

CATÁLOGO TÉCNICO

OPEN SL

SISTEMAS DE ESQUADRIAS PROJETANTES



VER.01
(NOVEMBRO/2025)

Essa versão, anula e
substitui as anteriores.

CDA[®]
HIGH QUALITY IN ALUMINUM

Sumário interativo

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Aplicações

O GRUPO CDA METAIS

Atua no desenvolvimento de sistemas de esquadrias e fachadas, extrusão, pintura eletrostática e distribuição de alumínio para todo o Brasil.



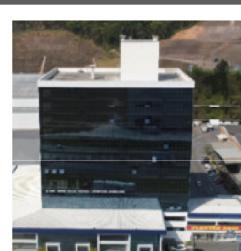
CENTROS COMERCIAIS



DIADEMA - SP



PORTO ALEGRE - RS



CAMBORIÚ - SC



RECIFE - PE

FÁBRICAS



COLATINA - ES



ITAPEVA - MG



CANDEIAS - BA

NOSSOS PRODUTOS



NBR 10.821 NBR 15.575 NBR 14.718

Sistemas homologados que combinam tecnologia, design e alto desempenho!



DESEMPENHO
ACÚSTICO



DESEMPENHO
ESTRUTURAL



PERMEABILIDADE
AO AR



ESTANQUEIDADE
À ÁGUA

CAPACIDADE PRODUTIVA



Com isso, o parque fabril da CDA possui capacidade de **3.500 toneladas mensais de extrusão** de perfis de alumínio.

O grupo CDA Metais conta com **4 prensas de extrusão** de tecnologia italiana, sendo três de 7 polegadas com 1800 toneladas métricas de força, e uma de 10 polegadas com 3.300 toneladas métricas.

3.500

TONELADAS MENSais
DE EXTRUSÃO

PINTURA ELETROSTÁTICA

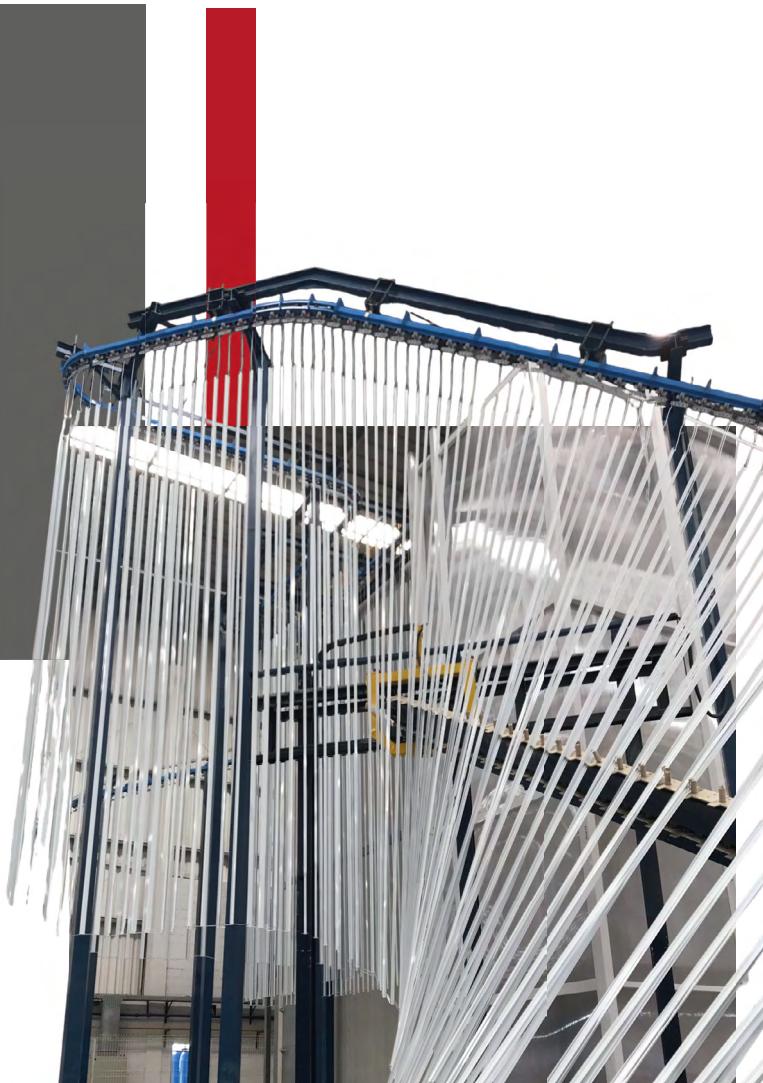
O Grupo CDA Metais possui linhas de pintura vertical e horizontal com tecnologia de pintura a disco e pistolas convencionais, garantindo uma camada uniforme de poliéster e maior reaproveitamento de resíduos de pó. Em parceria com fornecedores, desenvolveram um processo de lavagem isento de cromo e um sistema de desengraxe e desoxidação ácido, eliminando o uso de produtos alcalinos.



Todas as modificações realizadas nas linhas de pintura foram acompanhadas e validadas pelos nossos fornecedores de produtos químicos e de tinta, os quais possuem os seus processos homologados pela Qualicoat. Dessa forma, possuímos o certificado de Aplicador Homologado com base na Norma Qualicoat 15^a Edição, dentro do Programa EAS (Epristinta Architectural Service).

 **2.200**

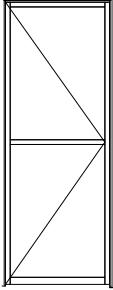
TONELADAS MENSais DE
PINTURA ELETROSTÁTICA



1

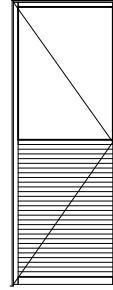
Tipologias

PG100
PORTA DE GIRO



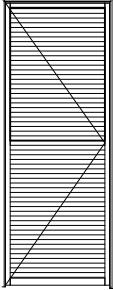
* Solução com travessa ou sem travessa

PG100CVZ
PORTA DE GIRO COM VENEZIANA/LAMBRIL



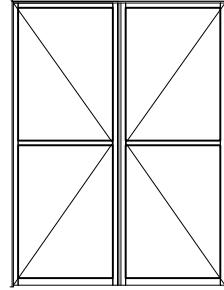
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PG100VZ
PORTA DE GIRO VENEZIANA/LAMBRIL



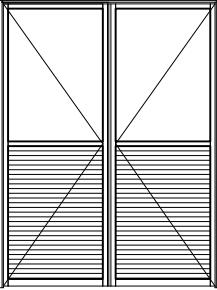
* Solução com travessa ou sem travessa

PG200
PORTA DE GIRO



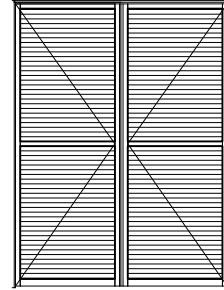
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PG200CVZ
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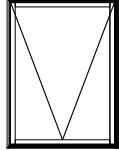
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PORTA DE GIRO VENEZIANA/LAMBRIL

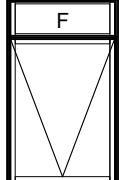


* Solução com travessa ou sem travessa

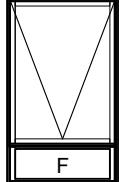
JM100
JANELA MAXIM-AR SIMPLES



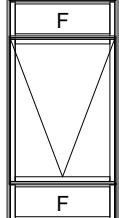
JM101
JANELA MAXIM-AR COM BANDEIRA SIMPLES



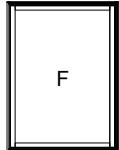
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JANELA MAXIM-AR COM PEITORIL SIMPLES



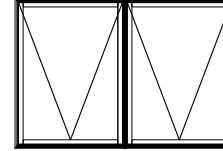
JM103
JANELA MAXIM-AR COM BANDEIRA E PEITORIL SIMPLES



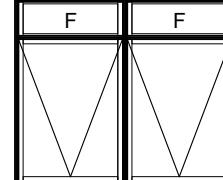
FX100
MÓDULO FIXO



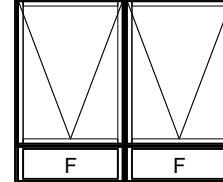
JM200
JANELA MAXIM-AR MULTIPLOS MÓDULOS



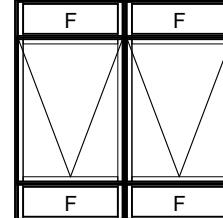
JM201
JANELA MAXIM-AR COM BANDEIRA MULTIPLOS MÓDULOS



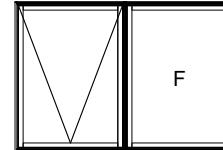
JM202
JANELA MAXIM-AR COM PEITORIL MULTIPLOS MÓDULOS



JM203
JANELA MAXIM-AR COM BANDEIRA E PEITORIL MULTIPLOS MÓD.



FX101
JANELA MAXIM-AR COM MÓDULO FIXO



2

Cálculo Estrutural

DIMENSIONAMENTO / FÓRMULAS

NORMA ABNT NBR 10821-2:2023

A Norma ABNT NBR 10821-2:2023 especifica os requisitos exigíveis de desempenho de esquadrias externas para edificações.

Os requisitos de classificação das esquadrias instaladas na posição vertical em edifícios de caráter residencial ou comercial, são no mínimo os estabelecidos para as cinco classes em relação ao número de pavimentos e à altura da edificação. As pressões de ensaio a serem adotadas estão indicadas na Tabela 1 e Figura 3, sendo sempre considerado o último pavimento da edificação onde as esquadrias estiverem instaladas, mantendo-se este valor para todos os pavimentos.

- até dois pavimentos: esquadrias instaladas em edifícios até dois pavimentos e altura máxima de 6 metros;
- até cinco pavimentos: esquadrias instaladas em edifícios até cinco pavimentos e altura máxima de 15 metros;
- até dez pavimentos: esquadrias instaladas em edifícios até dez pavimentos e altura máxima de 30 metros;
- até vinte pavimentos: esquadrias instaladas em edifícios até vinte pavimentos e altura máxima de 60 metros;
- até trinta pavimentos: esquadrias instaladas em edifícios até trinta pavimentos e altura máxima de 90 metros.

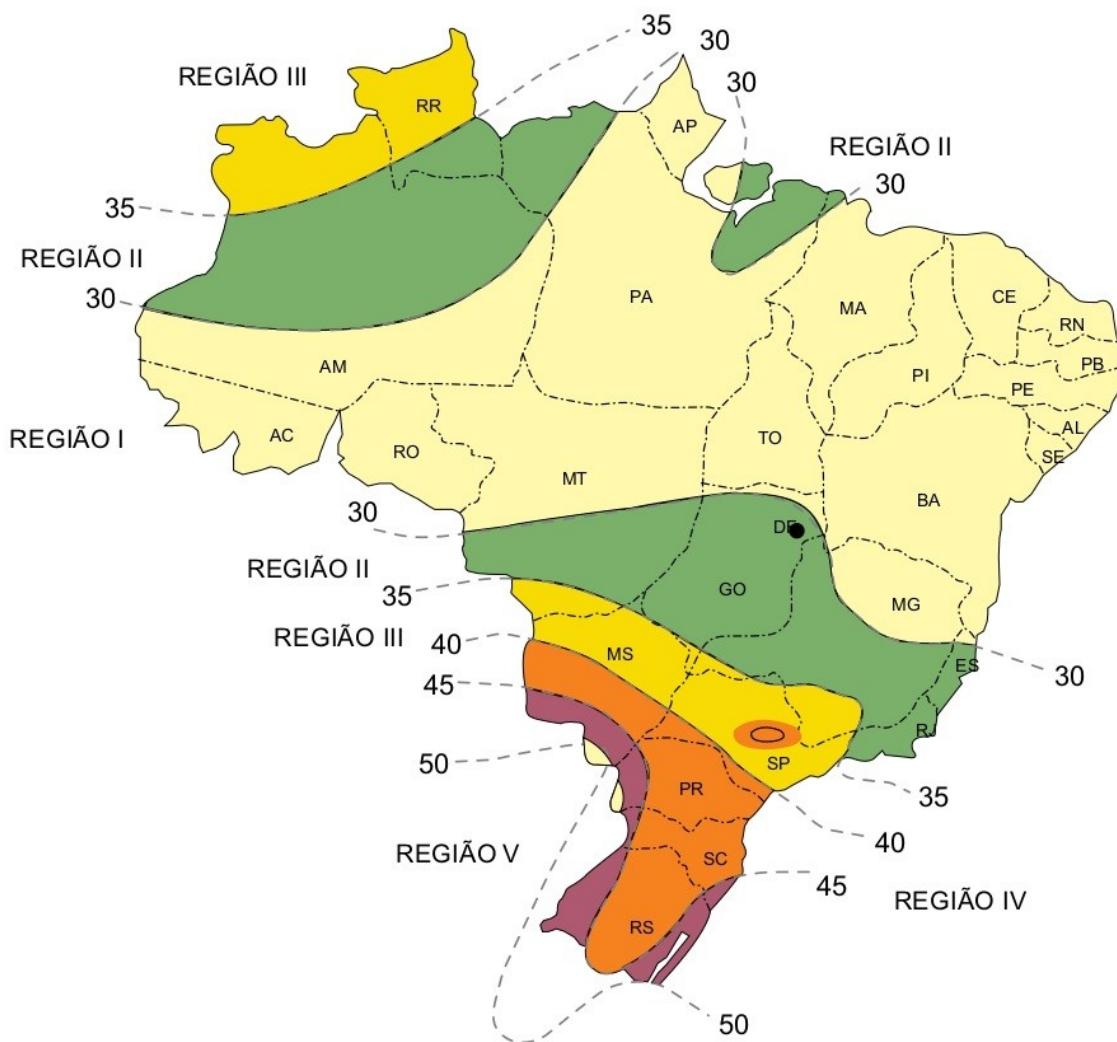
Para esquadrias instaladas nas situações a seguir descritas, deve ser consultada a ABNT NBR 6123 para a determinação da pressão de projeto (Pp) e pressão de ensaio (Pe), prevalecendo como mínimo os valores da Tabela 1.

- edifícios em que as esquadrias não sejam instaladas na posição vertical;
- edifícios de forma não retangular;
- edifícios com especificações, localização, necessidades e exigências especiais de utilização.

NOTA 1 Para o cálculo da pressão de segurança (Ps) multiplica-se uma vez e meia (1,5) a pressão de ensaio (Pe).

NOTA 2 Para o cálculo da pressão de água (Pa) utiliza-se 20 % do valor obtido na pressão de projeto (Pp).

MAPA DAS ISOPLETAS DE VELOCIDADE BÁSICA DOS VENTOS EM M/S (NBR-6123)



- █ Região I (30 m/s)
- █ Região II (35 m/s)
- █ Região III (40 m/s)
- █ Região IV (45 m/s)
- █ Região V (50 m/s)

Para determinar a pressão de ensaio a ser aplicada nas esquadrias, é necessário identificar a Região do País da localização da obra segundo o Gráfico das Isopletas.

Conforme a Região do País, encontre a Pressão de ensaio (Pe) para edificação, a quantidade de pavimentos ou altura máxima do empreendimento, segundo a norma técnica ABNT NBR 10821-2:2023.

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

Nos gráficos de desempenho, o cruzamento das informações de altura e largura da tipologia resulta o valor da pressão de ensaio calculado para o conjunto de perfis ilustrado. Caso o valor seja igual ou superior ao encontrado na coluna de pressão de ensaio acima, a esquadria atende ao projeto especificado.

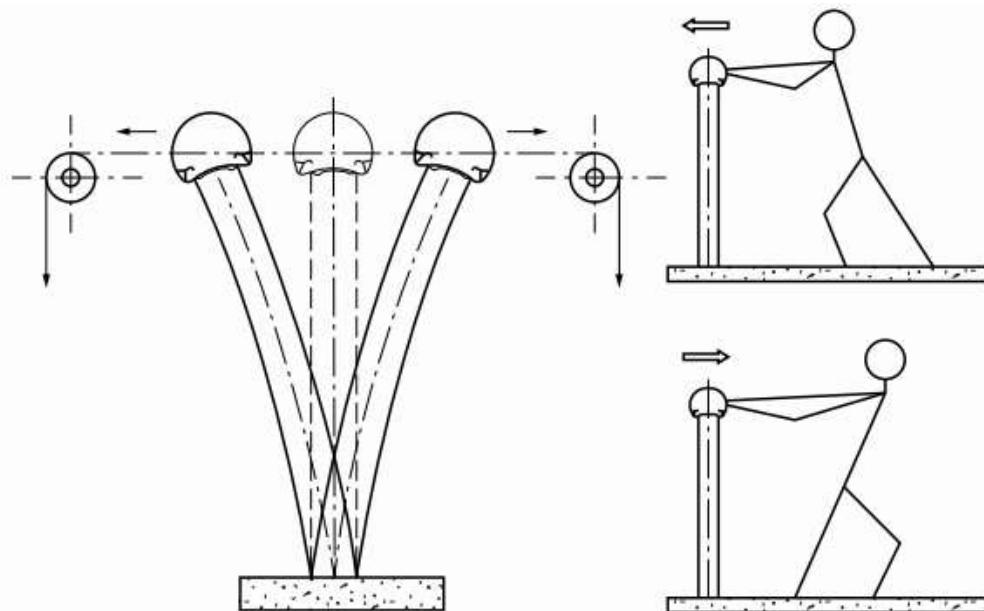
ABNT NBR 14718:2019

A Norma ABNT NBR 14718:2019 especifica os requisitos exigíveis de desempenho de Guarda corpos para edificações.

Determinação do Esforço Estático Horizontal

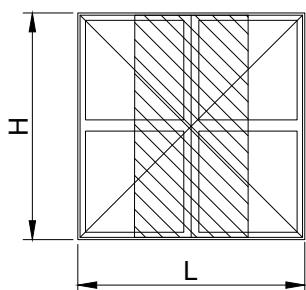
Esse método consiste na determinação da “Carga de Uso”, que visa simular a resistência do guarda corpo submetida ao esforço das pessoas, esse mesmo processo se aplica a peitoril no caso de janelas de Correr.

- Não deve apresentar ruptura de qualquer um de seus componentes
- Não deve ocorrer afrouxamento ou destacamento dos componentes ou elementos de fixação
- O deslocamento do montante sob carga não deve ser superior a 25mm



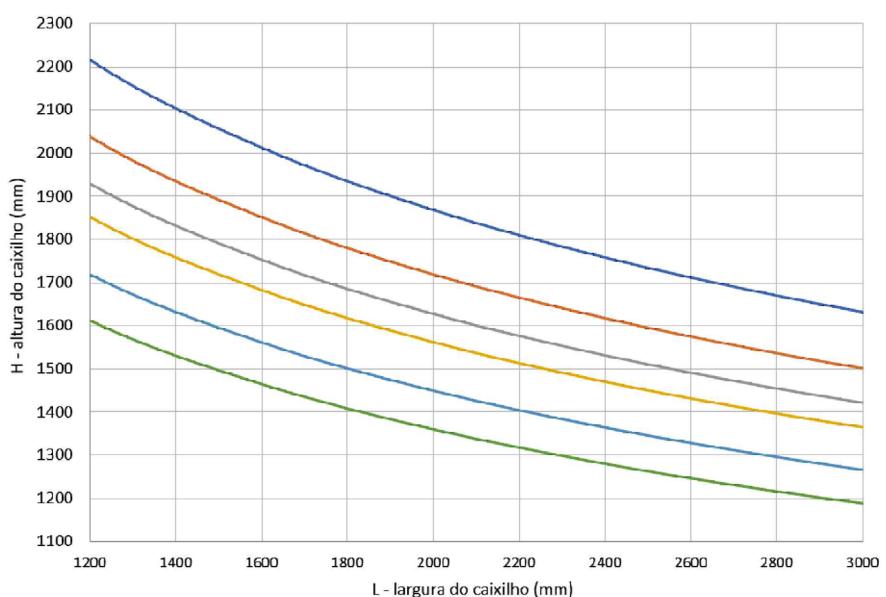
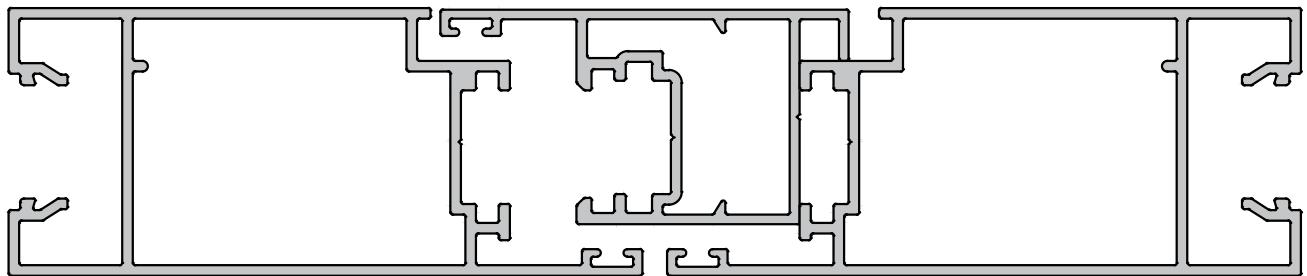
PRESSÃO DE VENTO

PRESSÃO DE VENTO



FZ-0194		
Jx	74.438	mm4
Wx	3.841	mm3

FZ-0194		
Jx	74.438	mm4
Wx	3.841	mm3

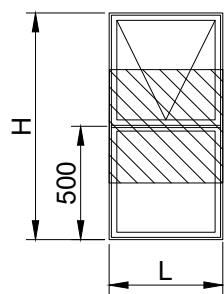


PERFIS, PROJETOS, CÓDIGOS E SISTEMAS ESTÃO SUJEITOS A ALTERAÇÃO SEM AVISO PRÉVIO.

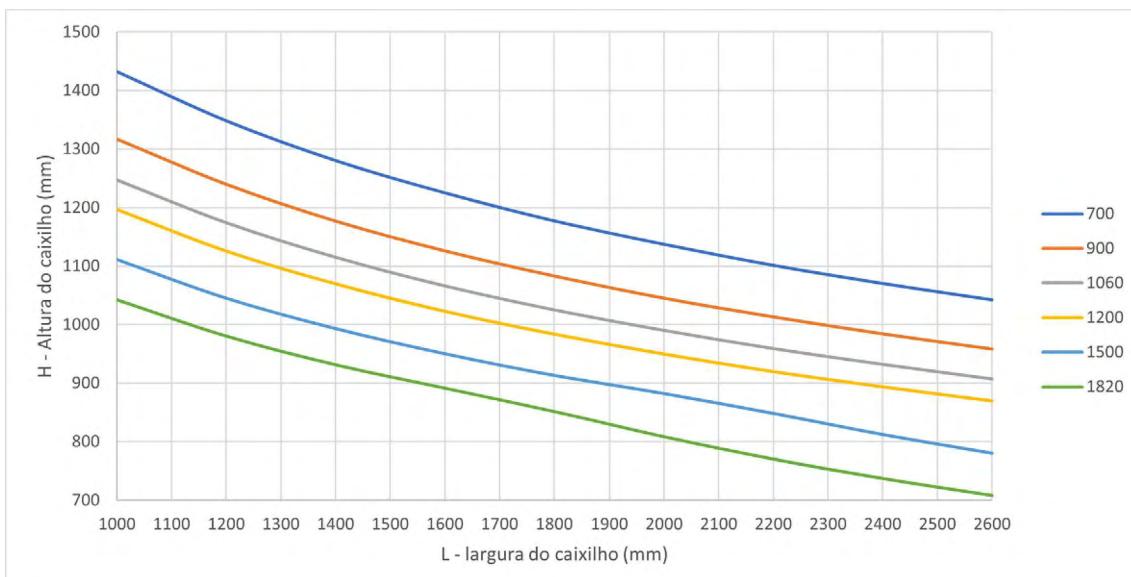
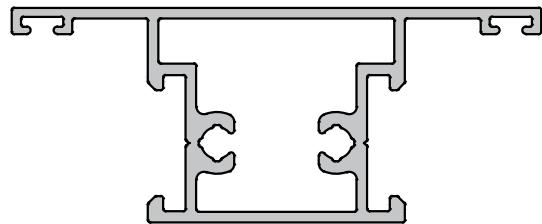
* O gráfico de dispersão prevê flecha máxima permitida pela NBR 10821/2023 e também as máximas tensões suportadas pelo material - liga 6060 T5 coeficiente de segurança já aplicado

PRESSÃO DE VENTO

PRESSÃO DE VENTO



FZ-0203		
Jx	33.475	mm4
Wx	2.040	mm3

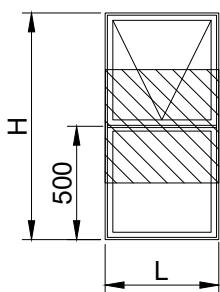


PERFIS, PROJETOS, CÓDIGOS E SISTEMAS ESTÃO SUJEITOS A ALTERAÇÃO SEM AVISO PRÉVIO.

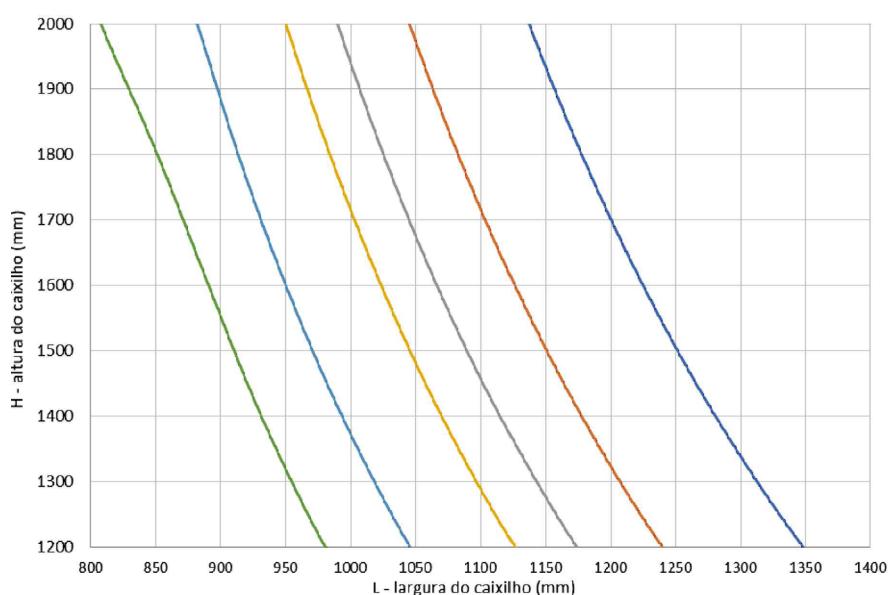
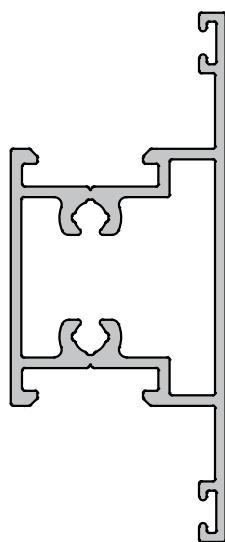
* O gráfico de dispersão prevê flecha máxima permitida pela NBR 10821/2023 e também as máximas tensões suportadas pelo material - liga 6060 T5 coeficiente de segurança já aplicado

PRESSÃO DE VENTO

PRESSÃO DE VENTO



FZ-0203		
Jy	33.475	mm4
Wy	2.040	mm3

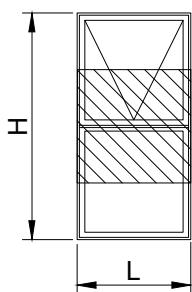


PERFIS, PROJETOS, CÓDIGOS E SISTEMAS ESTÃO SUJEITOS A ALTERAÇÃO SEM AVISO PRÉVIO.

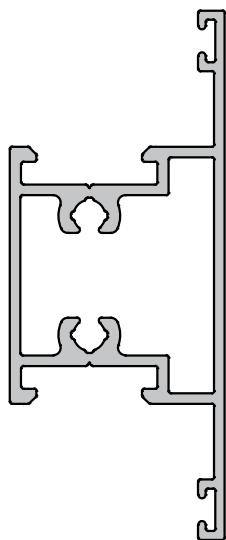
* O gráfico de dispersão prevê flecha máxima permitida pela NBR 10821/2023 e também as máximas tensões suportadas pelo material - liga 6060 T5 coeficiente de segurança já aplicado

CARGA DE USO

CARGA DE USO



FZ-0203		
Jy	33.475	mm4
Wy	2.040	mm3

**Carga de Uso Conforme NBR-14718**

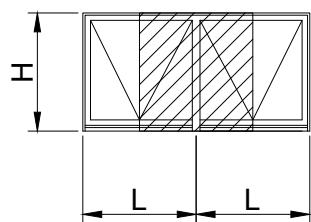
Aplicação	Quandodade de Pavimentos	Altura Máxima (m)	Região do País	Carga de Uso (N/m)	Largura Máxima (mm)
Residencial ou comercial de uso privativo e áreas técnicas	30	90	I	400	1700
			II	500	1500
			III	650	1300
			IV	800	1200
			V	1000	1050

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

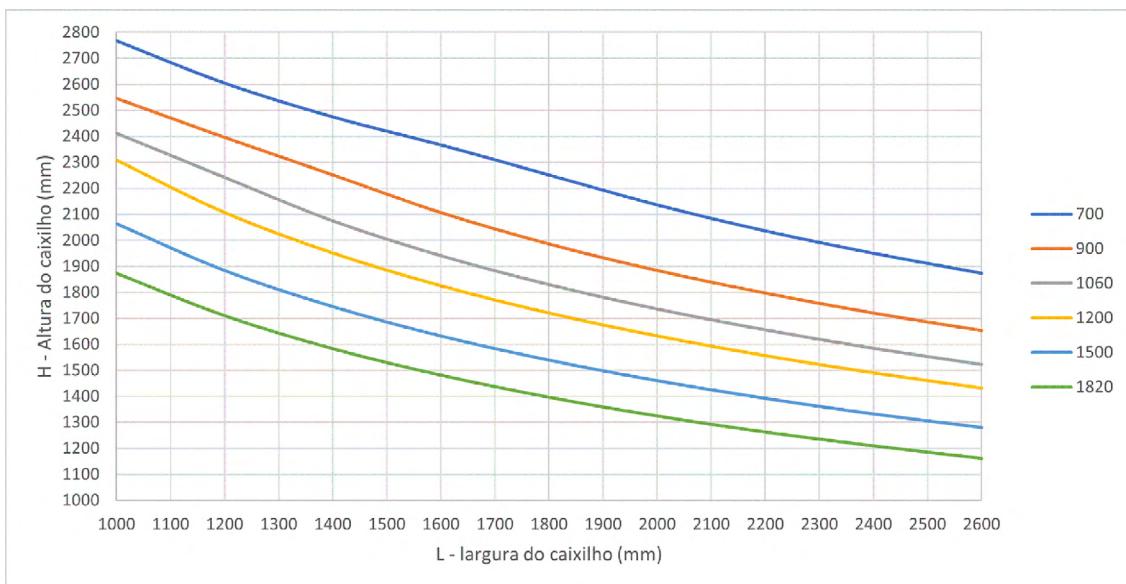
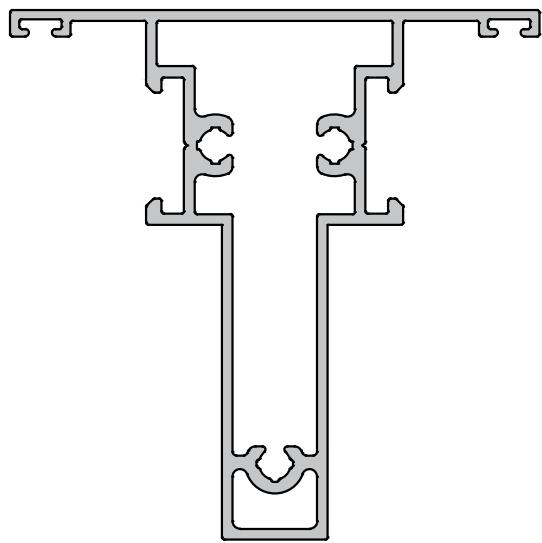
* A tabela acima mostra as medidas máximas conforme NBR 14718/2019 para carga de uso.

PRESSÃO DE VENTO

PRESSÃO DE VENTO



FZ-0293		
Jx	241.703	mm4
Wx	5.493	mm3

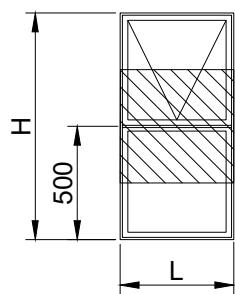


PERFIS, PROJETOS, CÓDIGOS E SISTEMAS ESTÃO SUJEITOS A ALTERAÇÃO SEM AVISO PRÉVIO.

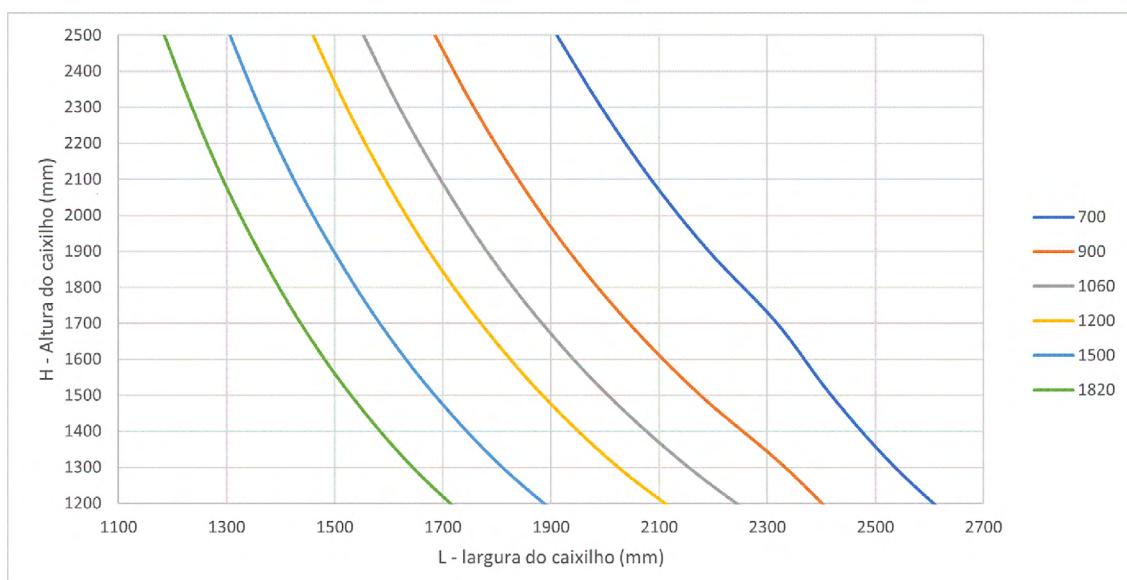
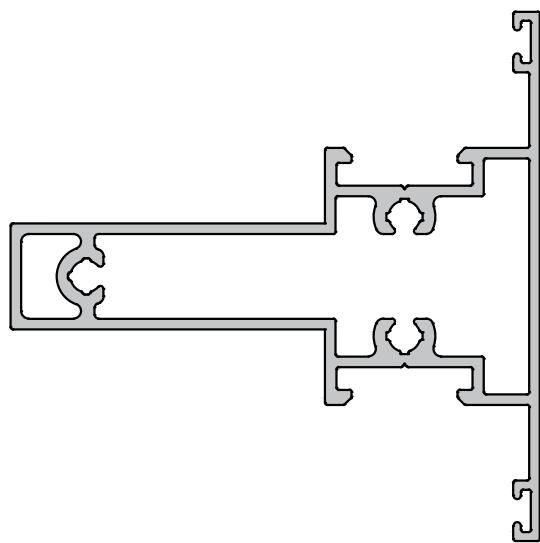
* O gráfico de dispersão prevê flecha máxima permitida pela NBR 10821/2023 e também as máximas tensões suportadas pelo material - liga 6060 T5 coeficiente de segurança já aplicado

PRESSÃO DE VENTO

PRESSÃO DE VENTO



FZ-0293		
Jy	241.703	mm4
Wy	5.493	mm3

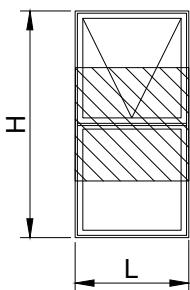


PERFIS, PROJETOS, CÓDIGOS E SISTEMAS ESTÃO SUJEITOS A ALTERAÇÃO SEM AVISO PRÉVIO.

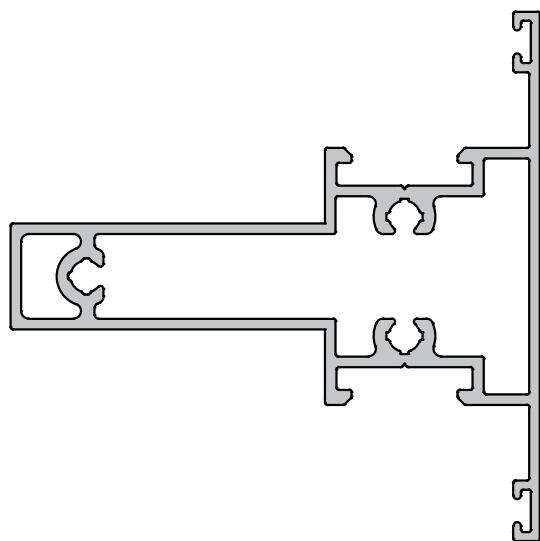
* O gráfico de dispersão prevê flecha máxima permitida pela NBR 10821/2023 e também as máximas tensões suportadas pelo material - liga 6060 T5 coeficiente de segurança já aplicado

CARGA DE USO

CARGA DE USO



FZ-0293		
Jy	241.703	mm4
Wy	5.493	mm3



Carga de Uso Conforme NBR-14718					
Aplicação	Quandodade de Pavimentos	Altura Máxima (m)	Região do País	Carga de Uso (N/m)	Largura Máxima (mm)
Residencial ou comercial de uso privativo e áreas técnicas	30	90	I	400	2800
			II	500	2500
			III	650	2200
			IV	800	2000
			V	1000	1700

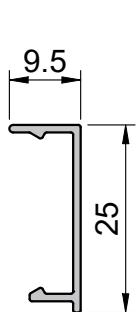
PERFIS, PROJETOS, CÓDIGOS E SISTEMAS ESTÃO SUJETOS A ALTERAÇÃO SEM AVISO PRÉVIO.

* A tabela acima mostra as medidas máximas conforme NBR 14718/2019 para carga de uso.

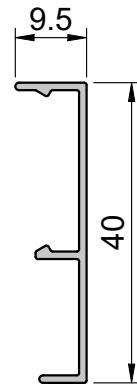
3

Perfis

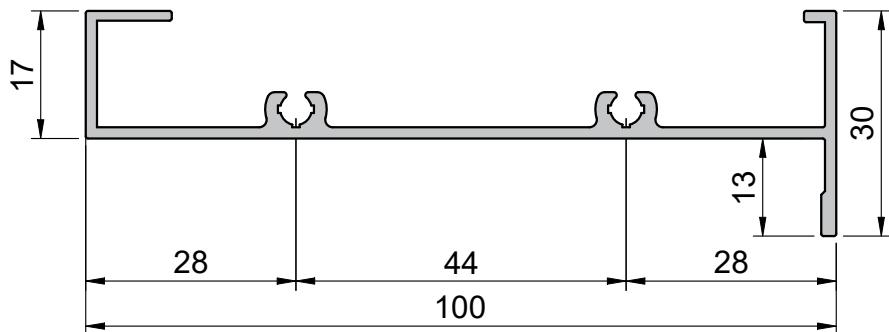
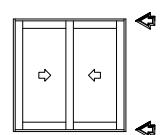
FZ-0052	Arremate 0,111 Kg/m
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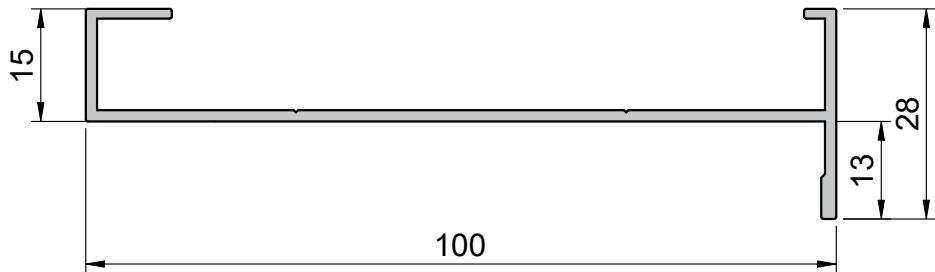
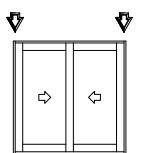
FZ-0053	Arremate 0,166 Kg/m
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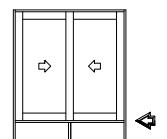
FZ-0090	Marco Superior / Inferior 0,756 Kg/m
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FZ-0093	Marco Lateral 0,621 Kg/m
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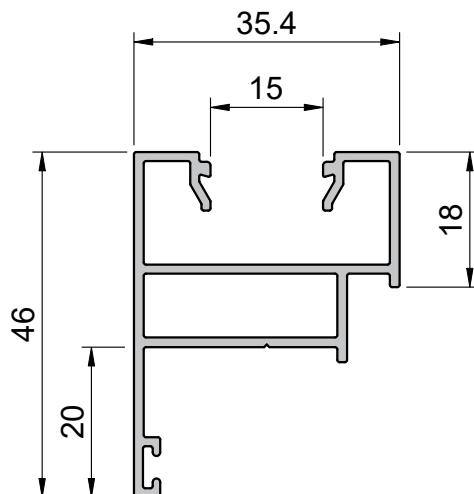
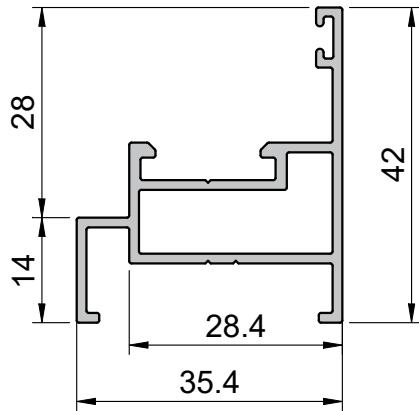


FZ-0095	Coluna / Travessa
	1,380 Kg/m
	$J_y = 668.051 \text{ mm}^4$ $W_y = 13.228 \text{ mm}^3$



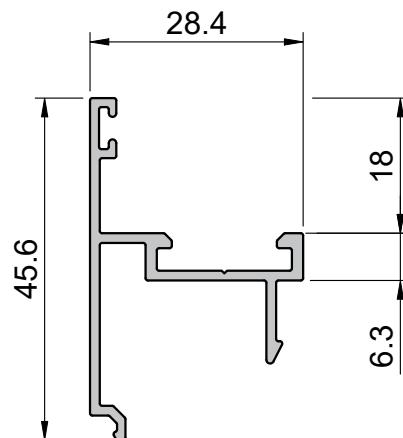
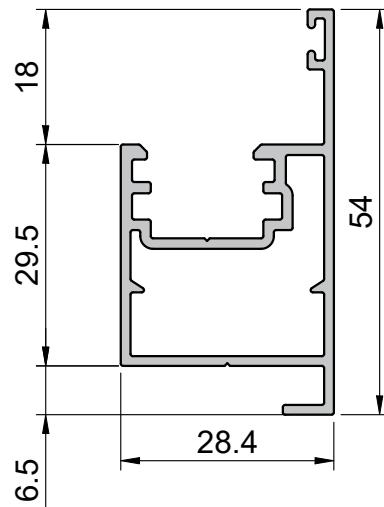
FZ-0184	Marco Perimetral
	0,528 Kg/m

FZ-0187	Folha do Maxim-ar
	0,593 Kg/m

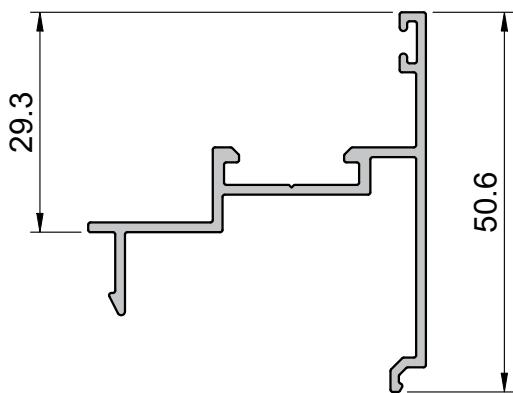


FZ-0191	Complemento Folha de Giro
	0,630 Kg/m

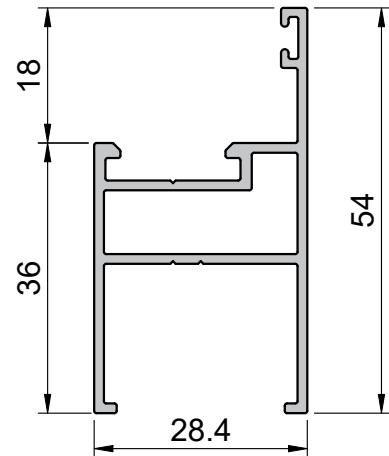
FZ-0189	Perfil de Reversão
	0,385 Kg/m



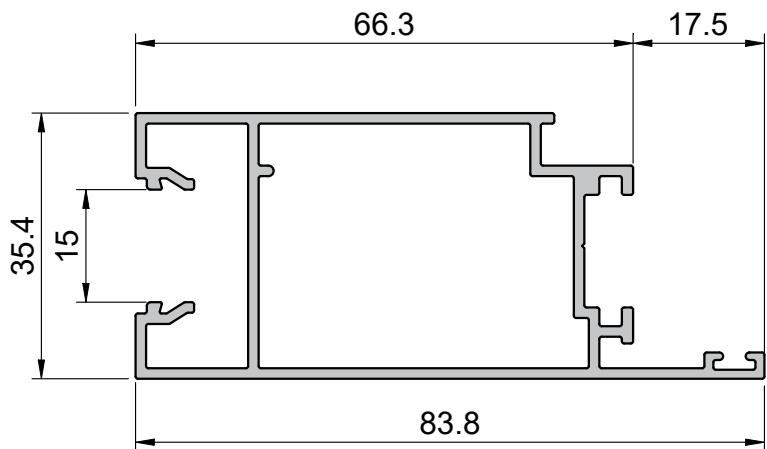
FZ-0190	Complemento do Marco
	0,479 Kg/m



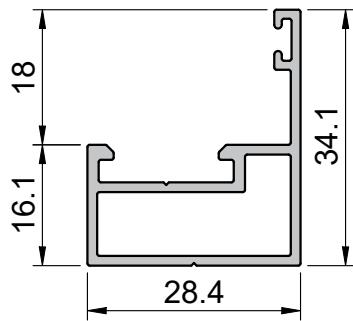
FZ-0195	Marco Perimetral
	0,571 Kg/m



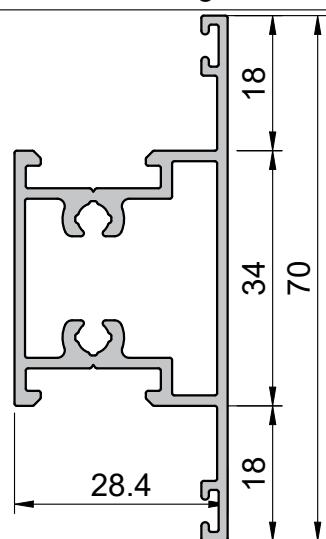
FZ-0192	Folha
	1,034 Kg/m



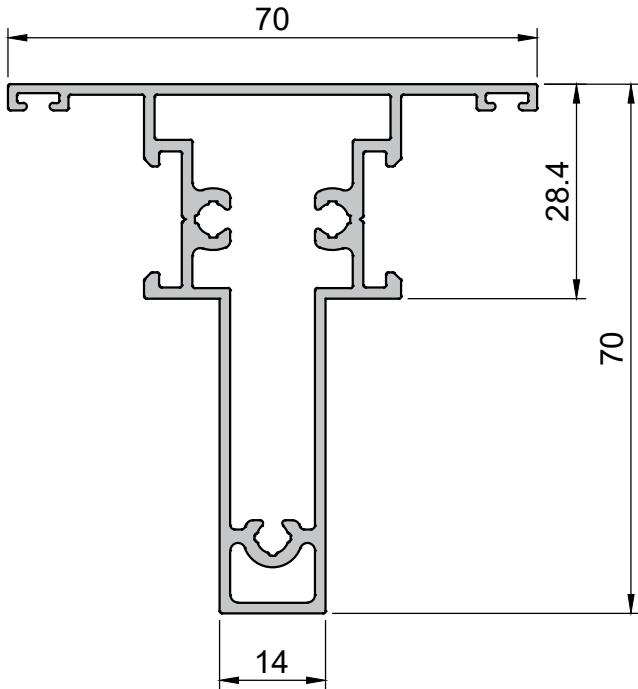
FZ-0196	Folha
	0,420 Kg/m



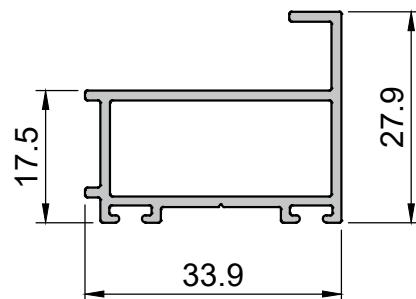
FZ-0203	Travessa
	0,831 Kg/m



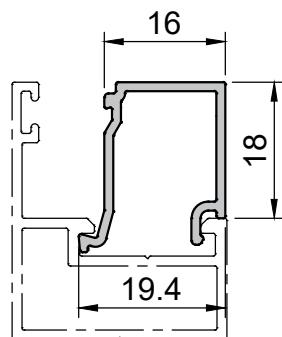
FZ-0293	Montante / Travessa reforçada 1,235 Kg/m $J_y = 241.703 \text{ mm}^4$ $W_y = 5.493 \text{ mm}^3$
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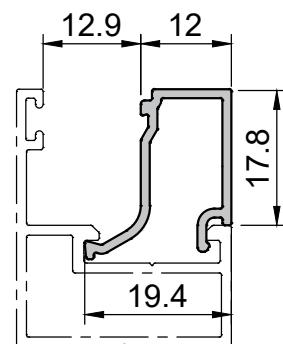
FZ-0193	Complemento Inferior da Folha 0,428 Kg/m
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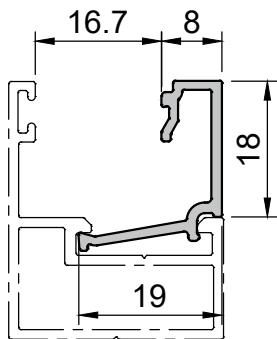
FZ-0033	Baguete 0,210 Kg/m
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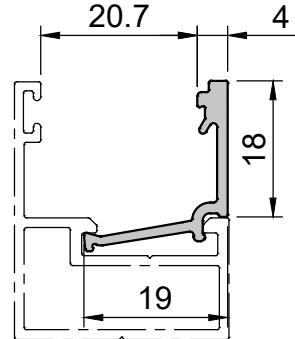
FZ-0034	Baguete 0,204 Kg/m
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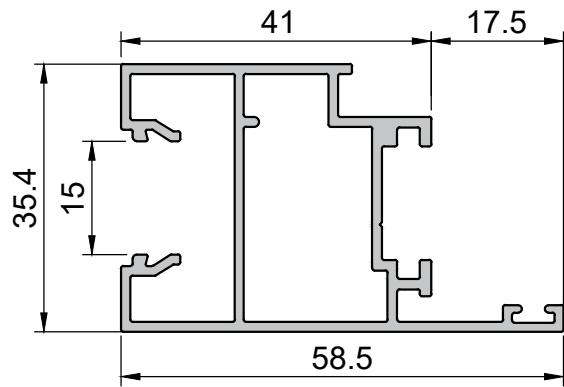
FZ-0035	Baguete 0,191 Kg/m
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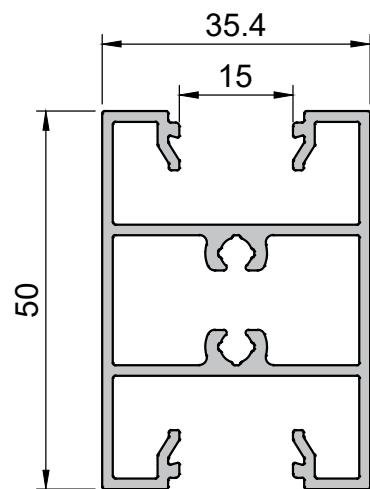
FZ-0036	Baguete 0,177 Kg/m
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FZ-0194	Folha
	0,782 Kg/m



FZ-0204	Travessa
	0,947 Kg/m



4

Components

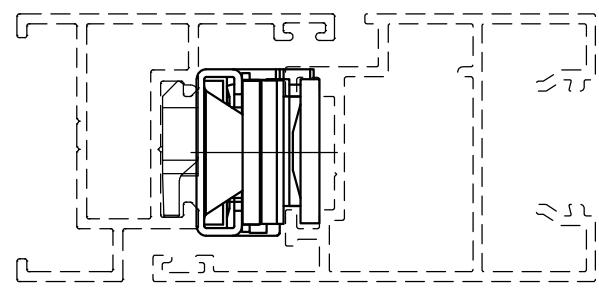
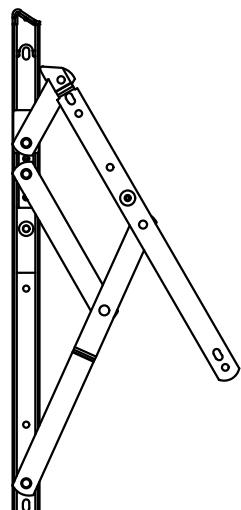
IMAGENS / DESCRIÇÕES

Braços Maxim-Ar Inox CX16,5

Código	Comprimento	Largura máxima	Altura máxima	Ângulo de abertura	Carga máxima
BMA-0040	259	1500	650	50°	50 kg
BMA-0041	412	1500	800	30° / 50°	100 / 55 kg
BMA-0042	567	1700	1500	20° / 30°	100 / 80 kg

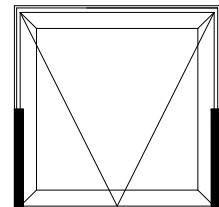
Nota: Medidas e cargas variáveis conforme fornecedor, sujeito a alteração sem prévio aviso. Consultar previamente as fichas técnicas do fornecedor dos componentes.

Utilizar calço CAL-0004.



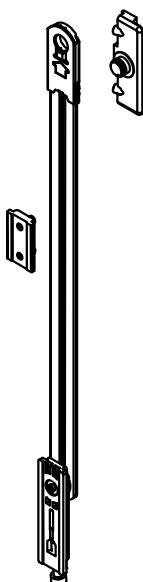
Limitador de abertura

Código	Comprimento
LIM-0003	300
LIM-0004	360



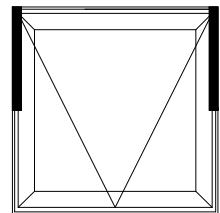
Nota: É obrigatório o uso de limitador de abertura:

1. Para janelas com aberturas acima de 300 mm, conforme orientação do fornecedor dos componentes;
2. Em folhas com altura maiores que 1500 mm, conforme orientação do fornecedor dos componentes.



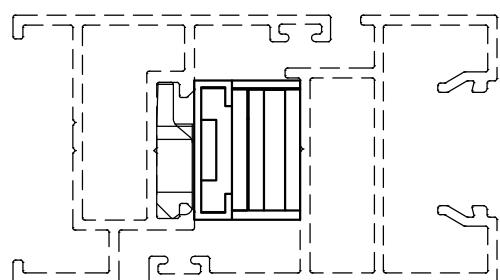
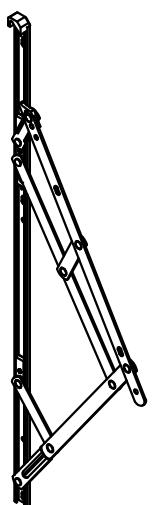
Braços Maxim-Ar Inox CX13,5

Código	Comprimento	Largura máxima	Altura máxima	Ângulo de abertura	Carga máxima
BMA-0044	214	1200	350	70°	12 kg
BMA-0045	270	1200	400	87°	16 kg
BMA-0047	310	1200	550	87°	20 kg
BMA-0048	358	1200	650	87°	22 kg
BMA-0049	412	1200	750	87°	24 kg
BMA-0050	459	1200	850	87°	26 kg
BMA-0051	311	1500	600	65°	22 kg
BMA-0052	509	1500	1000	42°	30 kg
BMA-0053	614	1500	1200	38°	35 kg
BMA-0054	313	1500	600	20°	22 kg
BMA-0055	511	1500	1000	15°	35 kg
BMA-0056	617	1500	1200	15°	45 kg

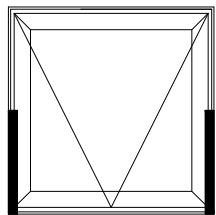


Nota: Medidas e cargas variáveis conforme fornecedor, sujeito a alteração sem prévio aviso. Consultar previamente as fichas técnicas do fornecedor dos componentes.

Utilizar calço CAL-0004.

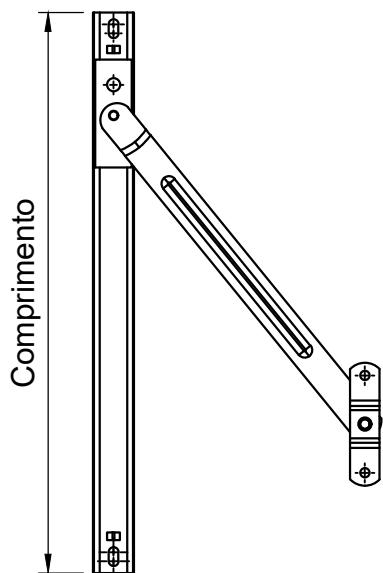


Limitador de abertura	
Código	Comprimento
LIM-0005	268
LIM-0006	300
LIM-0007	400



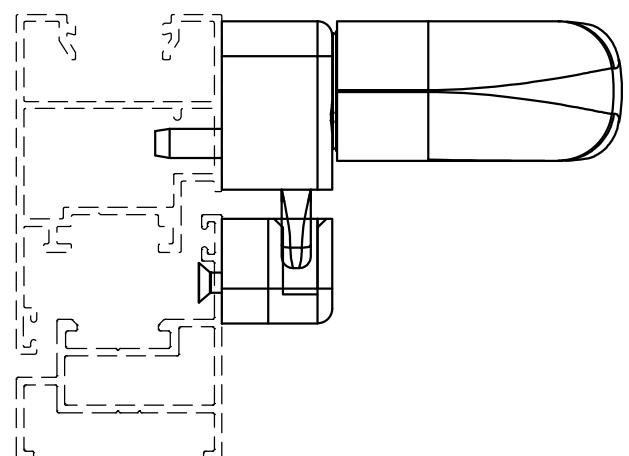
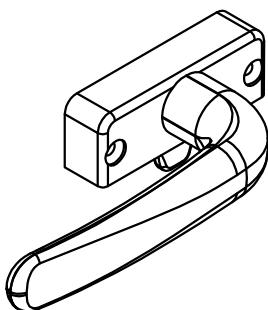
Nota: É obrigatório o uso de limitador de abertura:

1. Para janelas com aberturas acima de 250 mm, conforme orientação do fornecedor dos componentes;
2. Em folhas com altura maiores que 1200 mm, conforme orientação do fornecedor dos componentes.

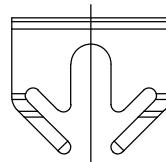
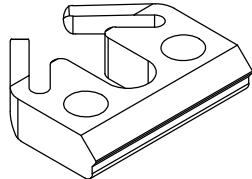


Fecho maxim-ar	
Código	Versão
FCH-0043	Esquerdo
FCH-0044	Direito

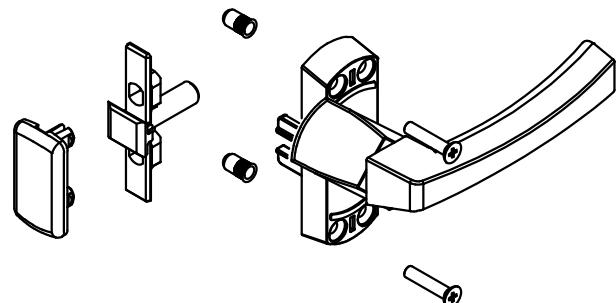
Nota: Design do produto é variável conforme fornecedor - consultar previamente as fichas técnicas do fornecedor dos componentes



CAL-0004	Calço Para Braço (Euro) Polímero Cor: Preto
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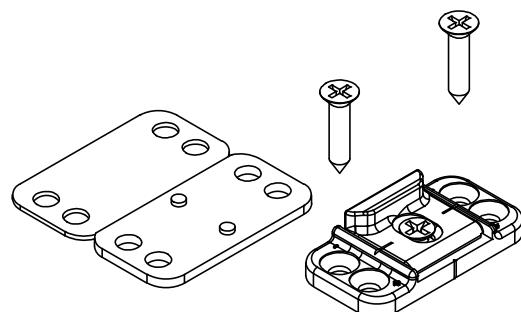
CMN-3407	Cremona Garfo Simples 180°
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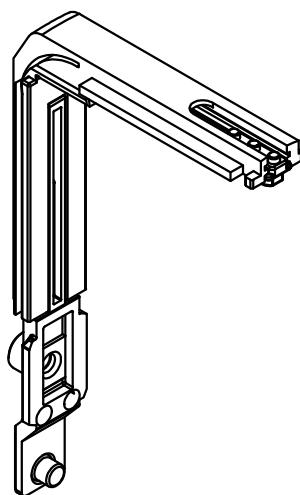
FCH-0049	Ponto Fechamento Simples (Euro) Inox
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CTF-0018	Contra Fecho Max (Euro)
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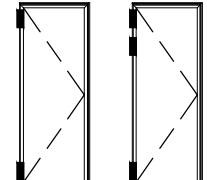
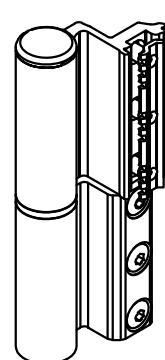


MPC-3413	Ângulo de Reenvio
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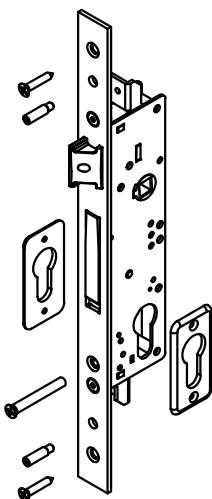


DBD-0007	Dobradiça Dupla (Euro) Alumínio
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Carga máxima com duas dobradiças: 100 kg
Carga máxima com três dobradiças: 120 kg



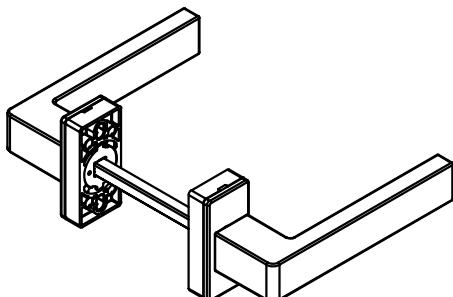
FCD-0003	Fechadura De Giro
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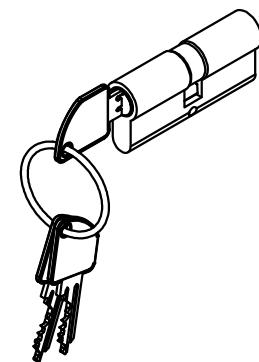
COT-0002	Contraplaca
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MNT-0004	Maçaneta Com Espelho
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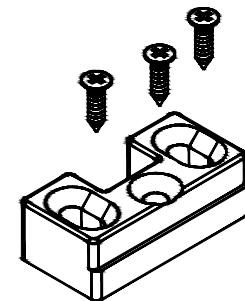
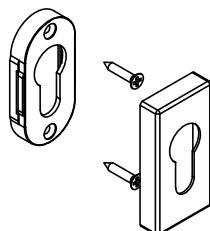


CLD-0004	Cilindro Interno/Externo
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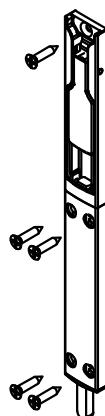
EPL-0003	Cilindro Interno/Externo
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FEC-0052	Contra Fecho Superior
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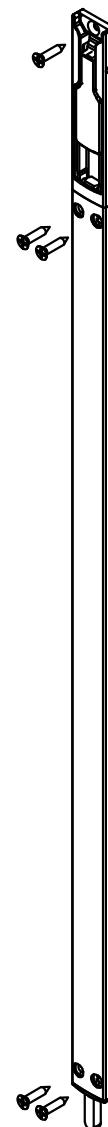


FCH-0051	Fecho unha 140

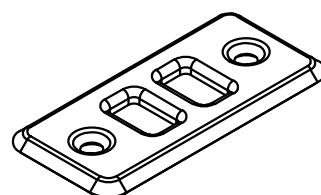
FCH-0053	Fecho unha 450



FCH-0052	Fecho unha 220

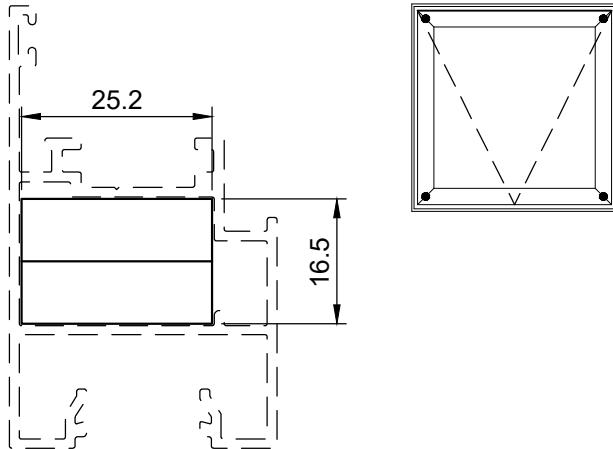


FEC-0051	Contra Fecho Piso



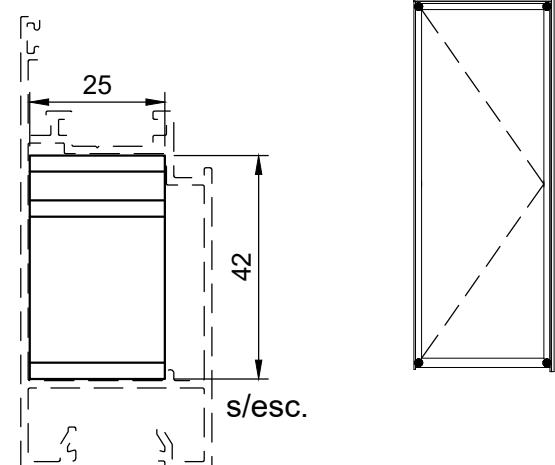
MCX-0017	Macho de Conexão 17 X 25
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*Usinagem consultar ficha técnica do Fornecedor

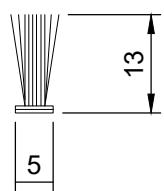
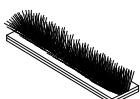


MCX-0018	Macho de Conexão 42 X 25
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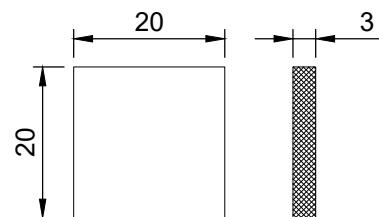
*Usinagem consultar ficha técnica do Fornecedor



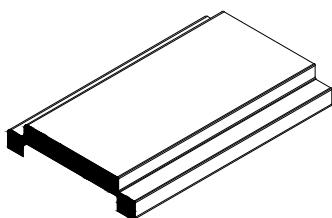
ECV-0513	Escova de Vedação 5x13mm Cor: Preto / Branco / Cinza
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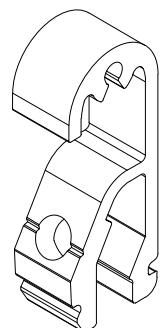
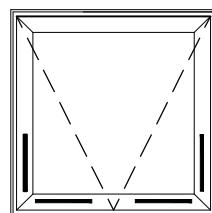
CAL-2003	Gaxeta Epdm (3X20X20) Calço Para Vidro
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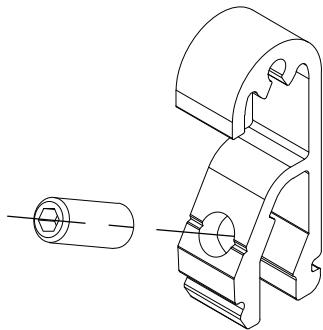
TRL-0002	Haste de Poliamida
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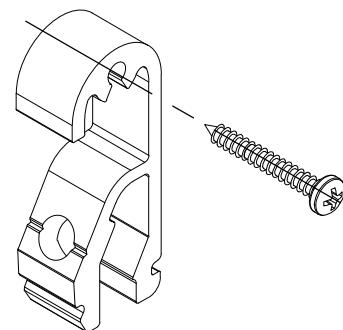
CON-0007	Conexão União em T Alumínio
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PSC-0612	Parafuso Sem Cab. M6 x 12 Inox Fixar Conexão União em T
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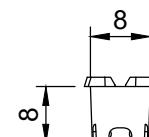
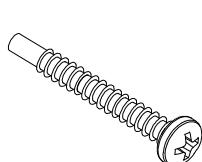


PCP-3919	Parafuso Cab. Pan. 3,9 x 19 Inox Fixar Conexão União em T
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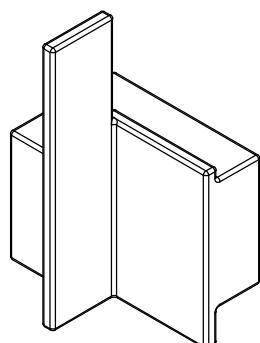


PCP-4832PL	Parf. Cab. Pan. 4,8x32 PL Aço Inox Fixa Travessas
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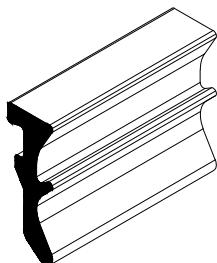
DRN-22004	Dreno esfera 8 mm Vedaçāo para furo de marco 8 mm
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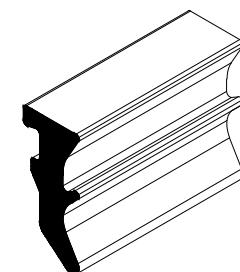
TMT-0040	Tampa Perfil FZ-0193 Nylon
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GXT-1171	Guarnição Cunha de EPDM 1mm

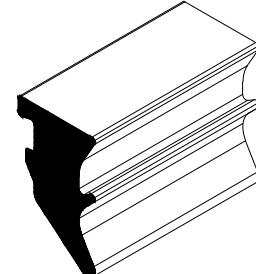
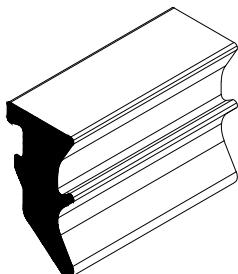


GXT-1172	Guarnição Cunha de EPDM 2mm



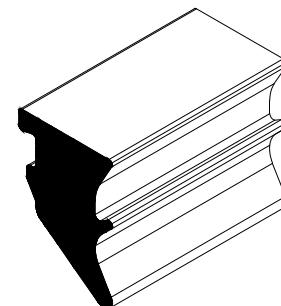
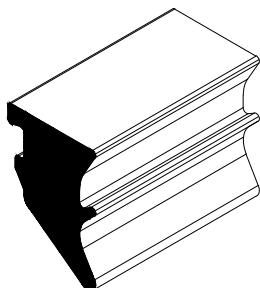
GXT-1173	Guarnição Cunha de EPDM 3mm

GXT-1174	Guarnição Cunha de EPDM 4mm



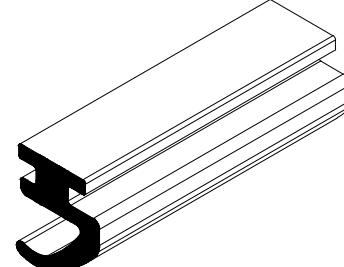
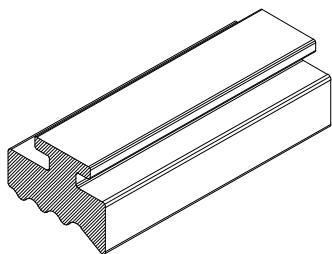
GXT-1175	Guarnição Cunha de EPDM 5mm

GXT-1176	Guarnição Cunha de EPDM 6mm

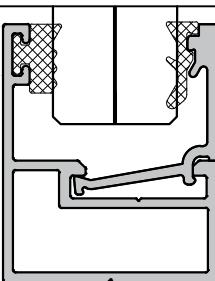
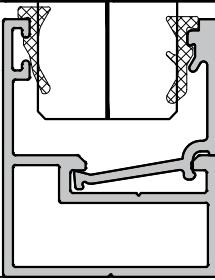


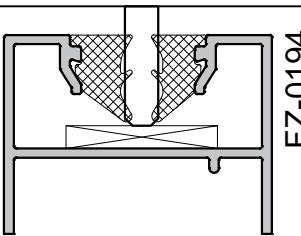
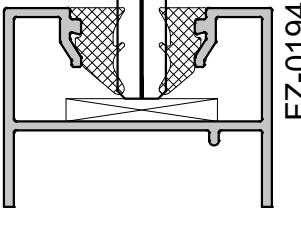
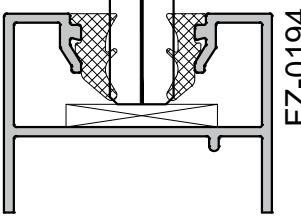
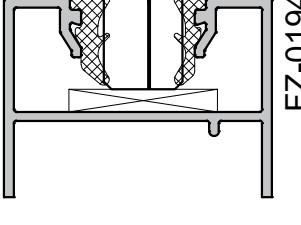
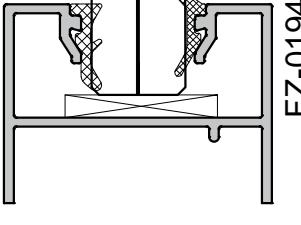
GXT-1165	Guarnição Ext. de EPDM 3,5mm

GXT-1166	Guarnição Encontro 90° de EPDM



GAXETAS PARA VIDRO - APLICAÇÃO			
PERFIL	ESPESSURA DO VIDRO	GUARNIÇÃO EXTERNA	GUARNIÇÃO INTERNA
	FZ-0034 4mm	GXT-1165 	GXT-1176
	FZ-0034 6mm	GXT-1165 	GXT-1174
	FZ-0034 8mm	GXT-1165 	GXT-1172
	FZ-0035 10mm	GXT-1165 	GXT-1174
	FZ-0035 12mm	GXT-1165 	GXT-1172
	FZ-0036 14mm	GXT-1165 	GXT-1174

GAXETAS PARA VIDRO - APLICAÇÃO			
PERFIL	ESPESSURA DO VIDRO	GUARNIÇÃO EXTERNA	GUARNIÇÃO INTERNA
	FZ-0036 16mm	GXT-1165 	GXT-1172 
	FZ-0036 18mm	GXT-1171 	GXT-1172 

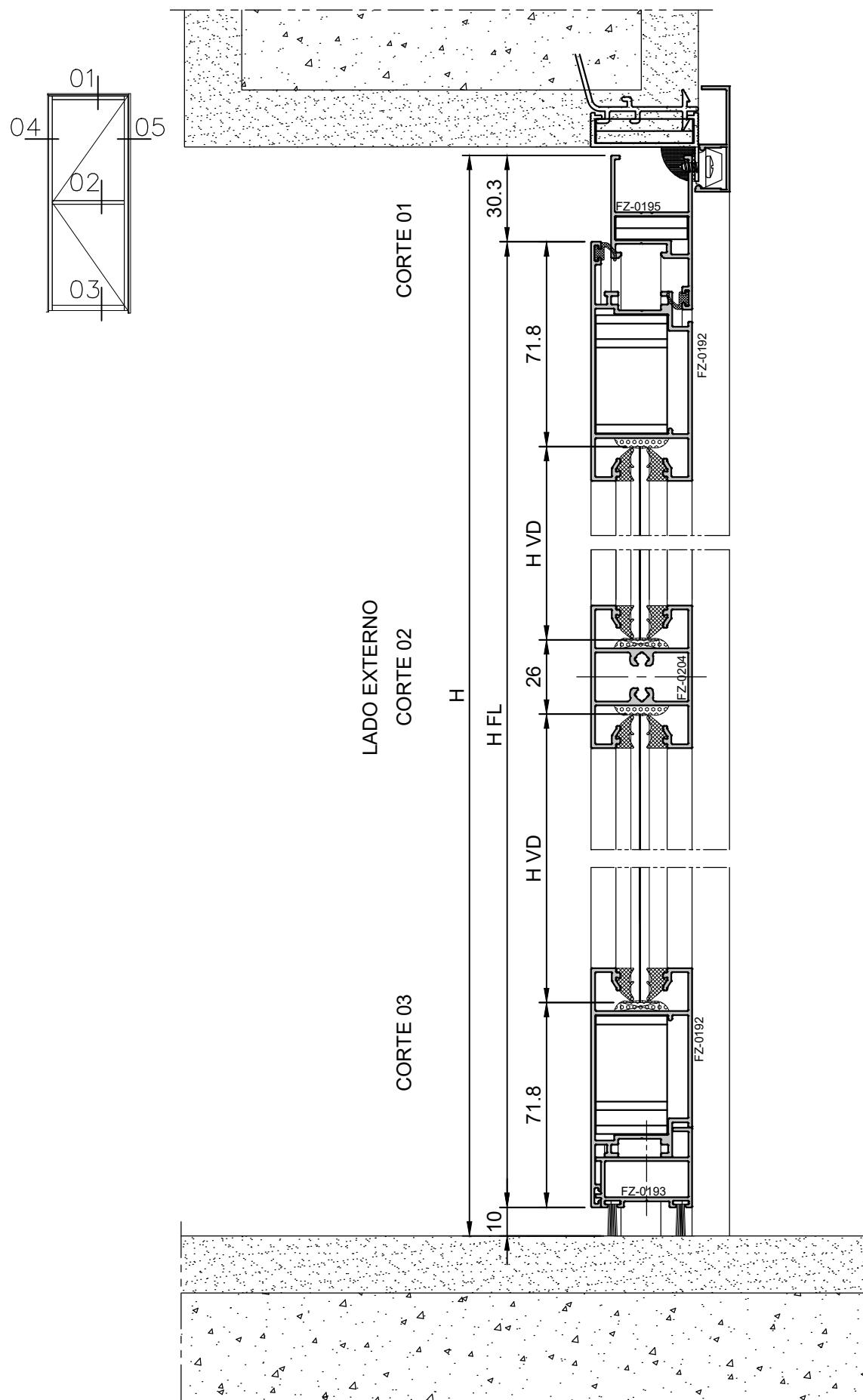
GAXETAS PARA VIDRO - APLICAÇÃO			
PERFIL	ESPESSURA DO VIDRO	GUARNIÇÃO EXTERNA	GUARNIÇÃO INTERNA
 FZ-0194	4mm	GXT-1176 	GXT-1175 
 FZ-0194	6mm	GXT-1175 	GXT-1174 
 FZ-0194	8mm	GXT-1174 	GXT-1173 
 FZ-0194	10mm	GXT-1173 	GXT-1172 
 FZ-0194	12mm	GXT-1172 	GXT-1171 

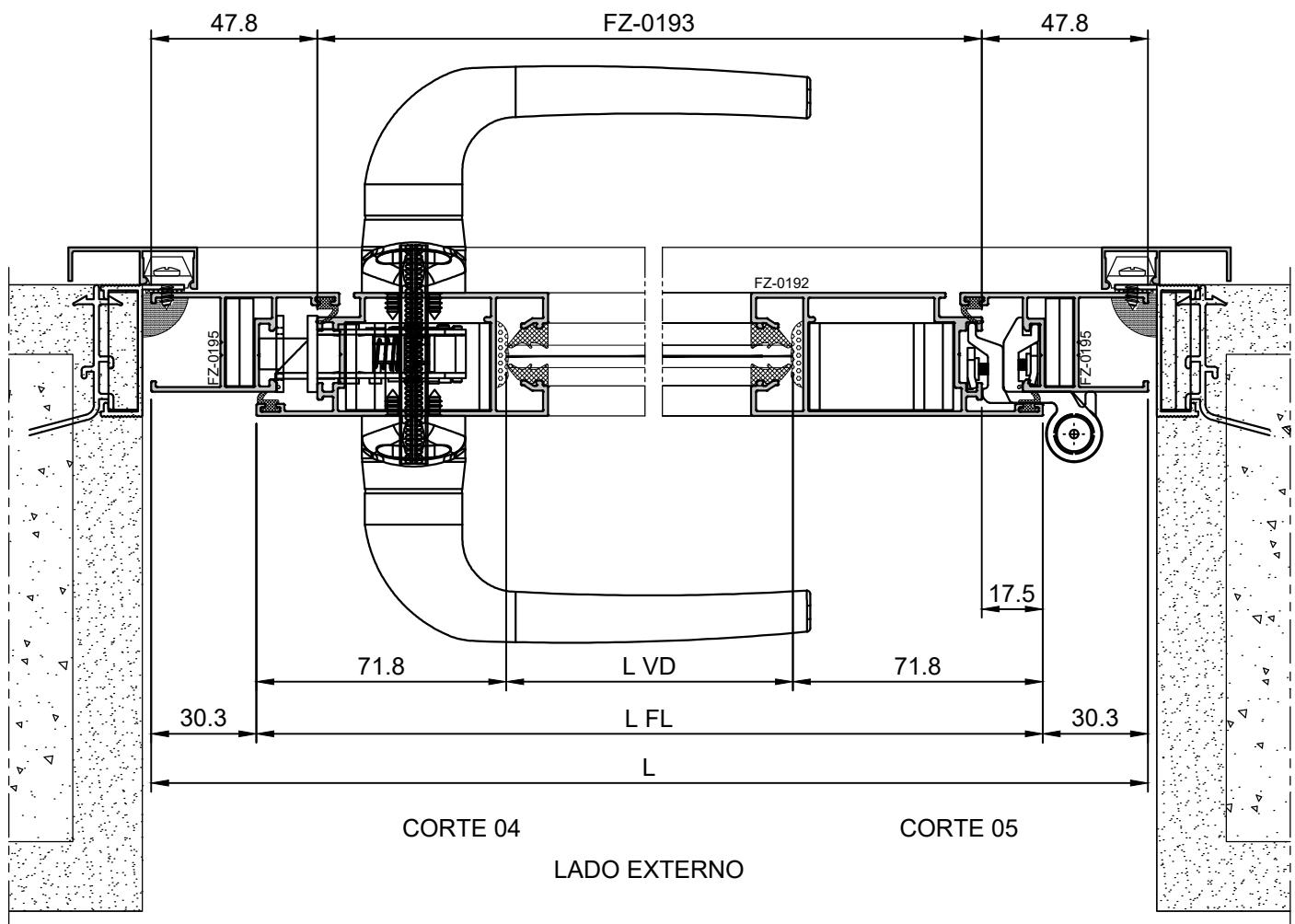
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Montagens
MONTAGENS / FOLGAS DE CORTE

PORTA DE GIRO

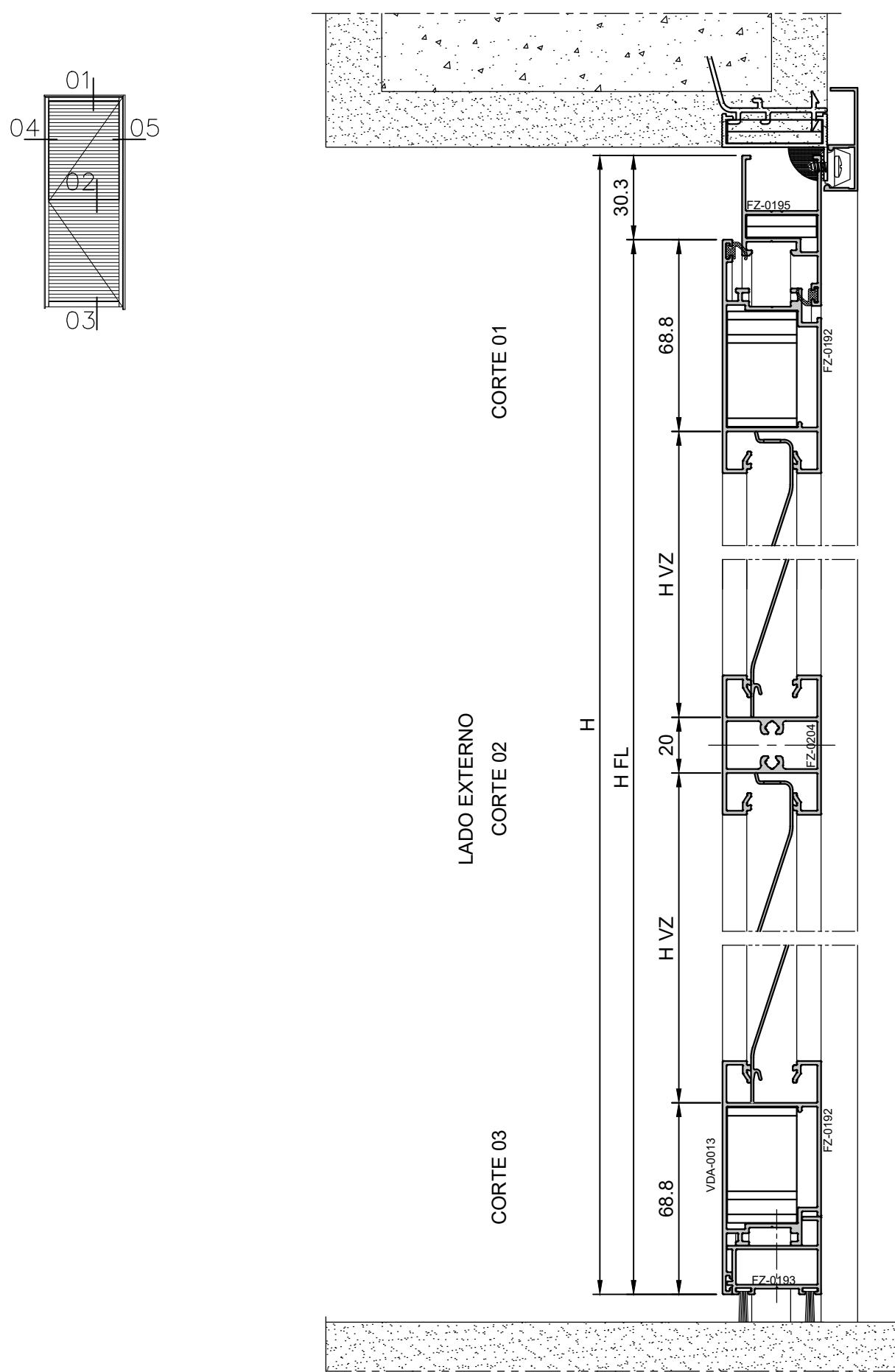
1FOLHA

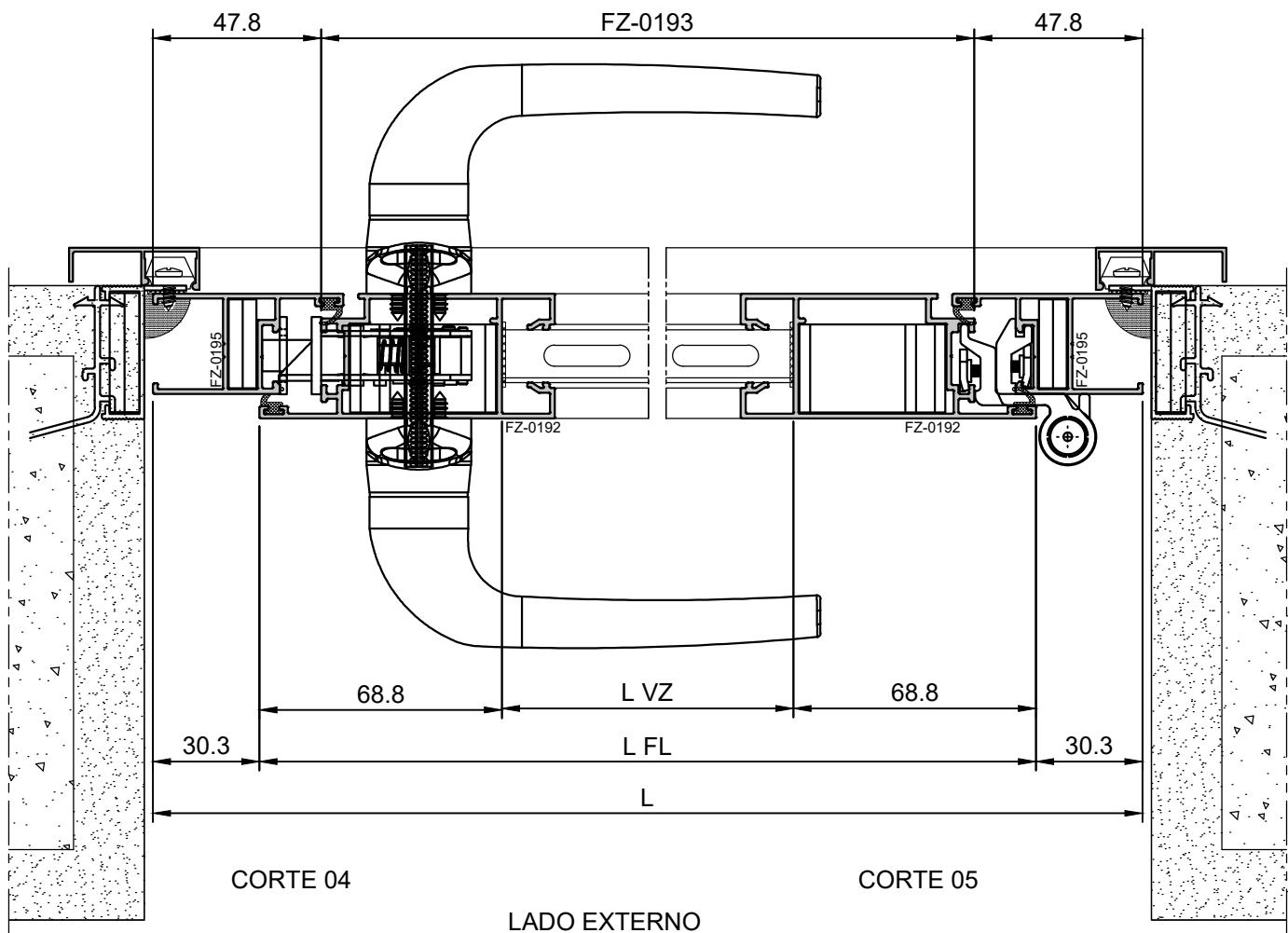


PORTA DE GIRO
1FOLHA

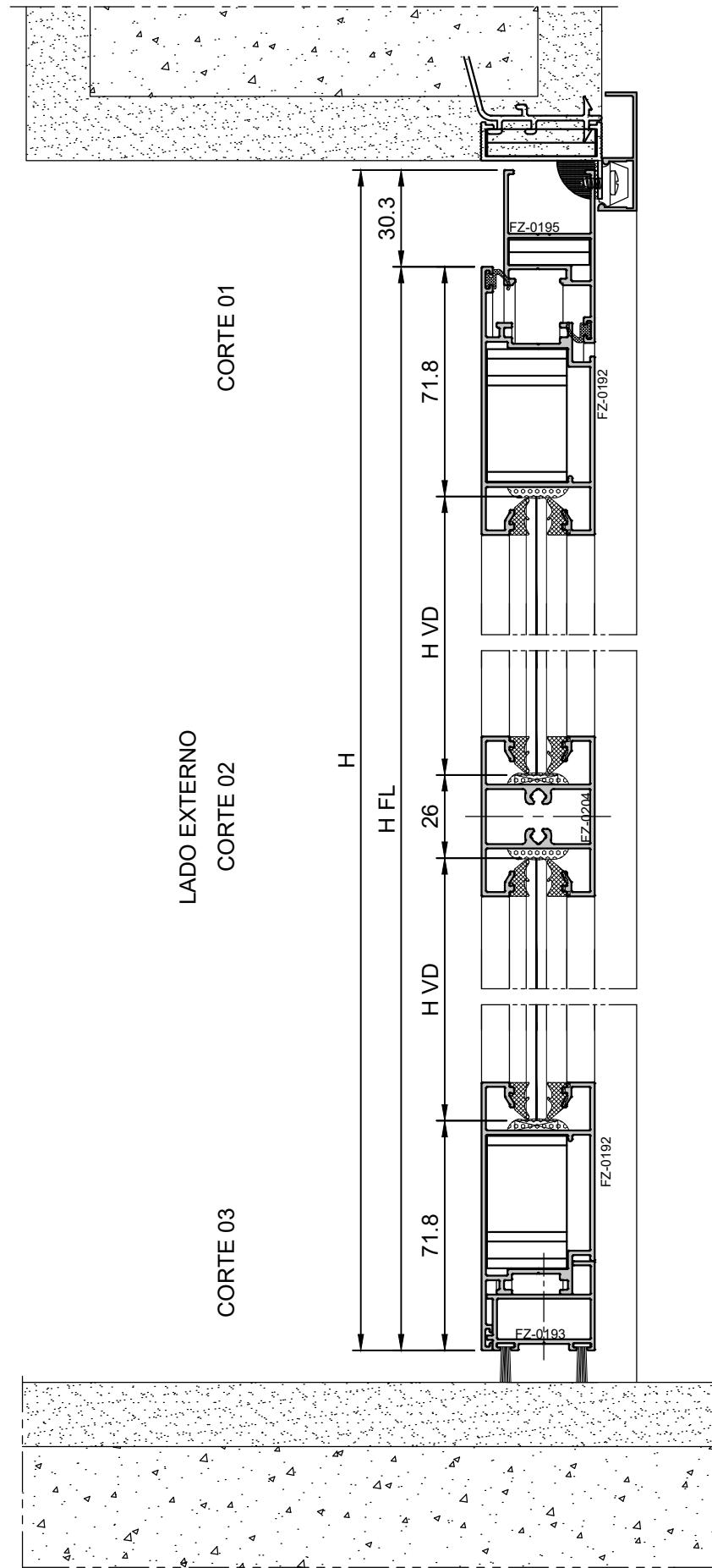
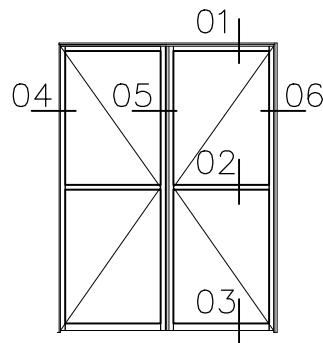
PORTA DE GIRO

1FOLHA VENEZIANA/LAMBRIL

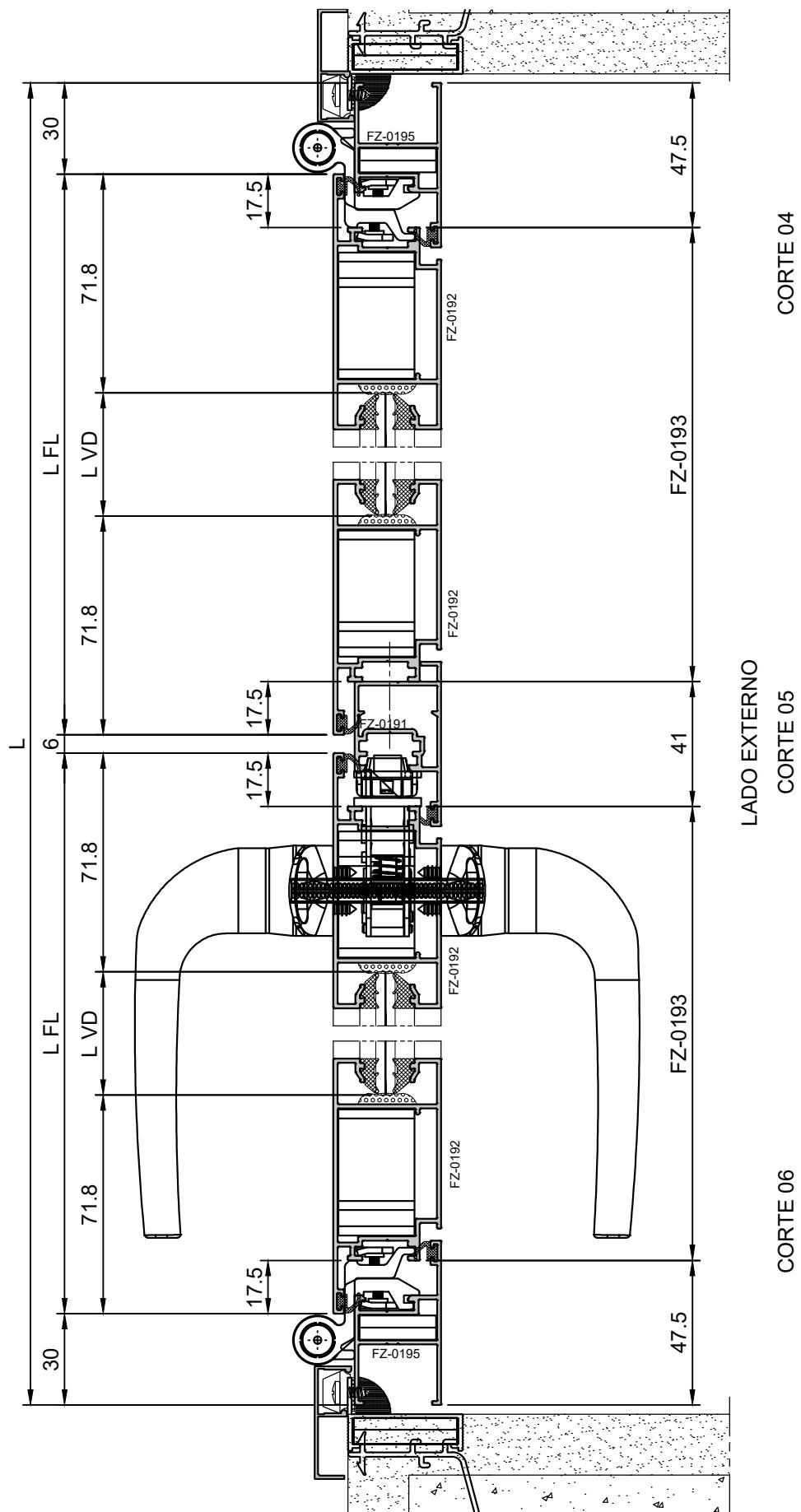


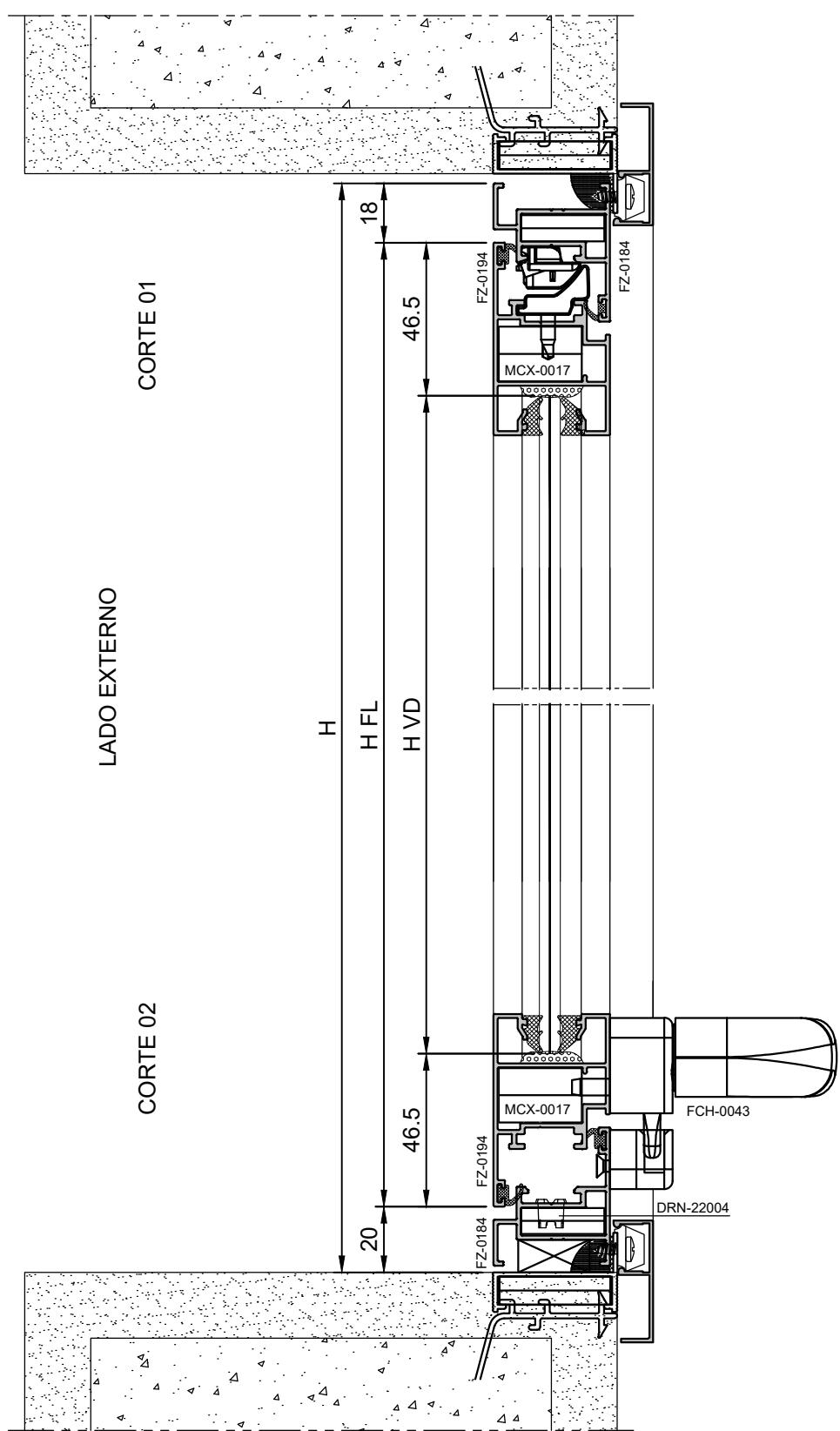
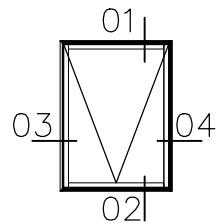
PORTA DE GIRO
1FOLHA VENEZIANA/LAMBRIL

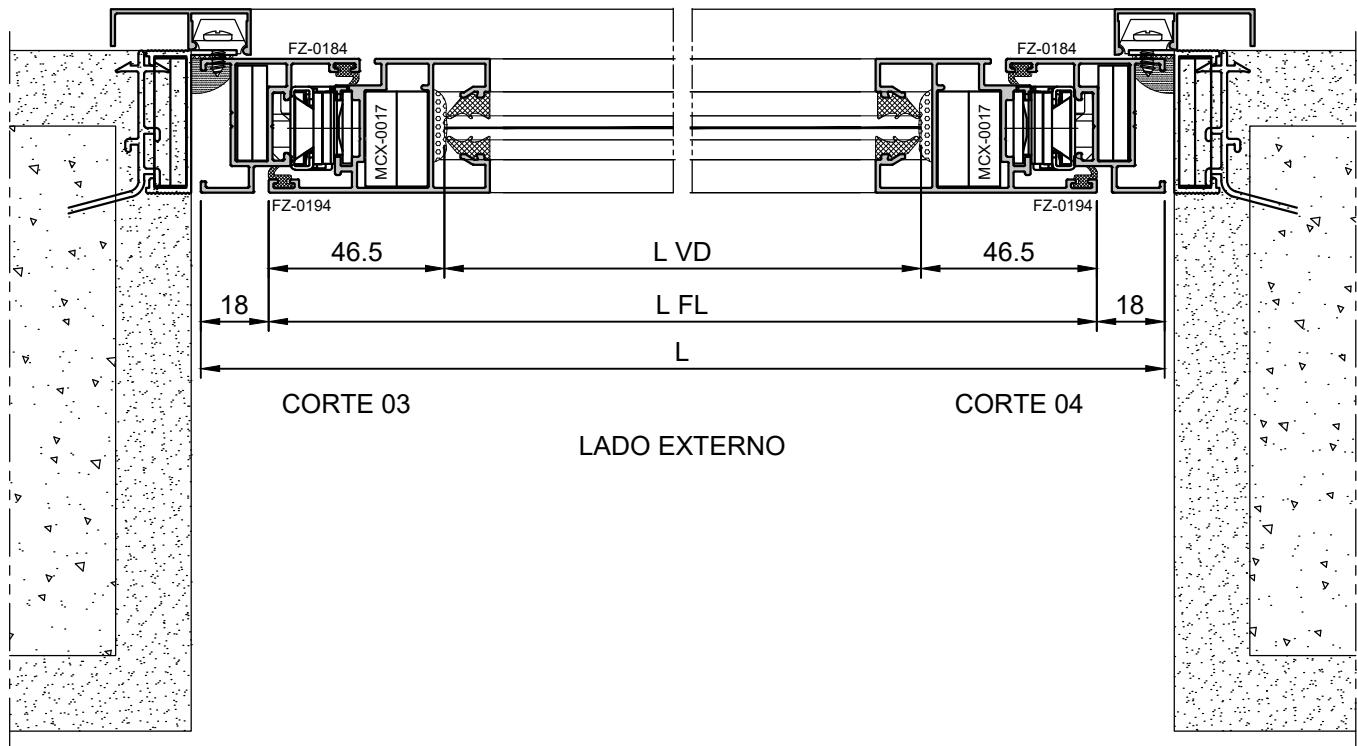
PORTA DE GIRO 2 FOLHAS

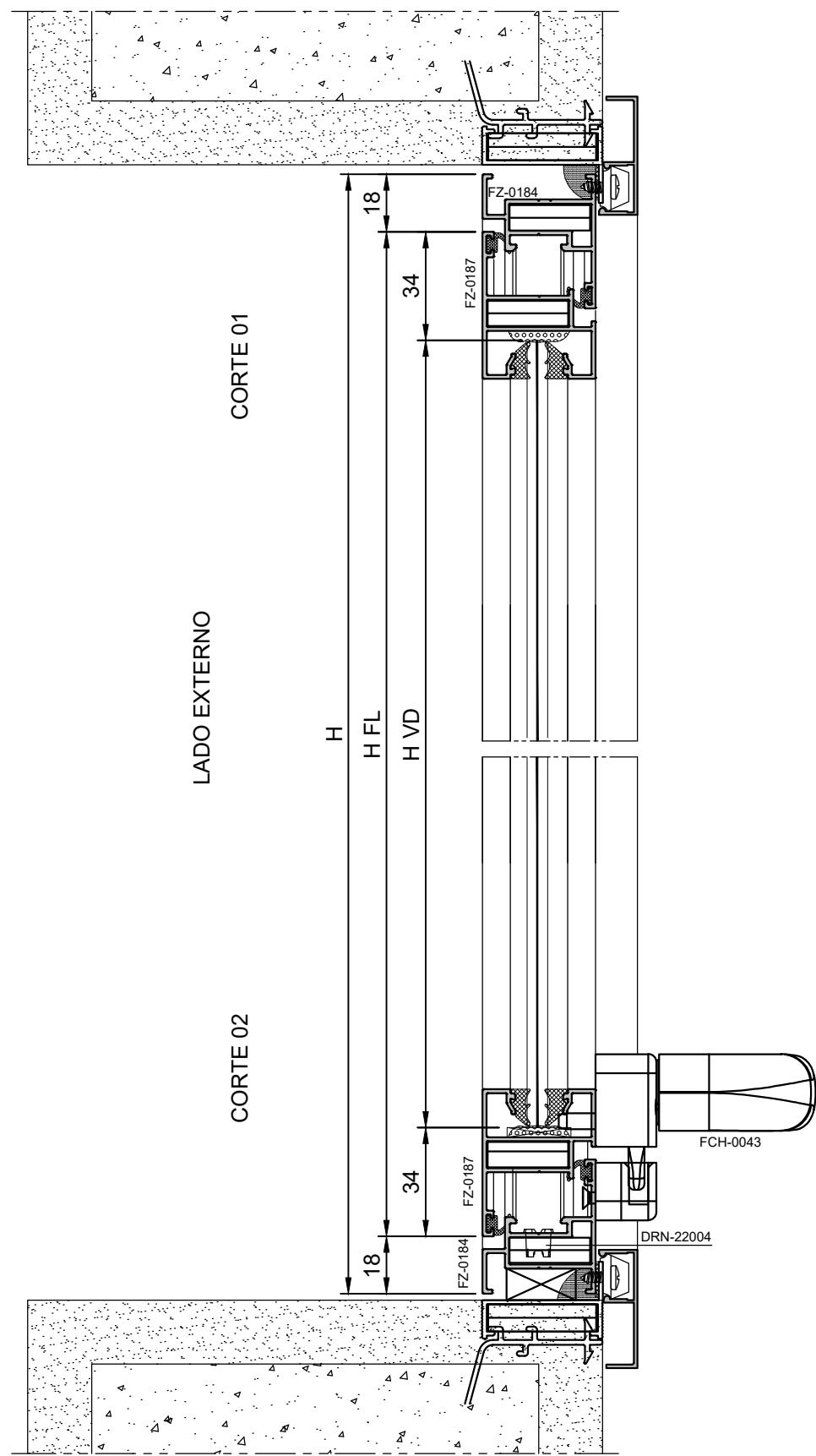
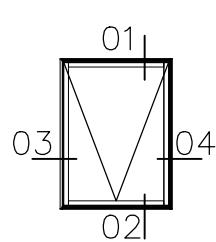


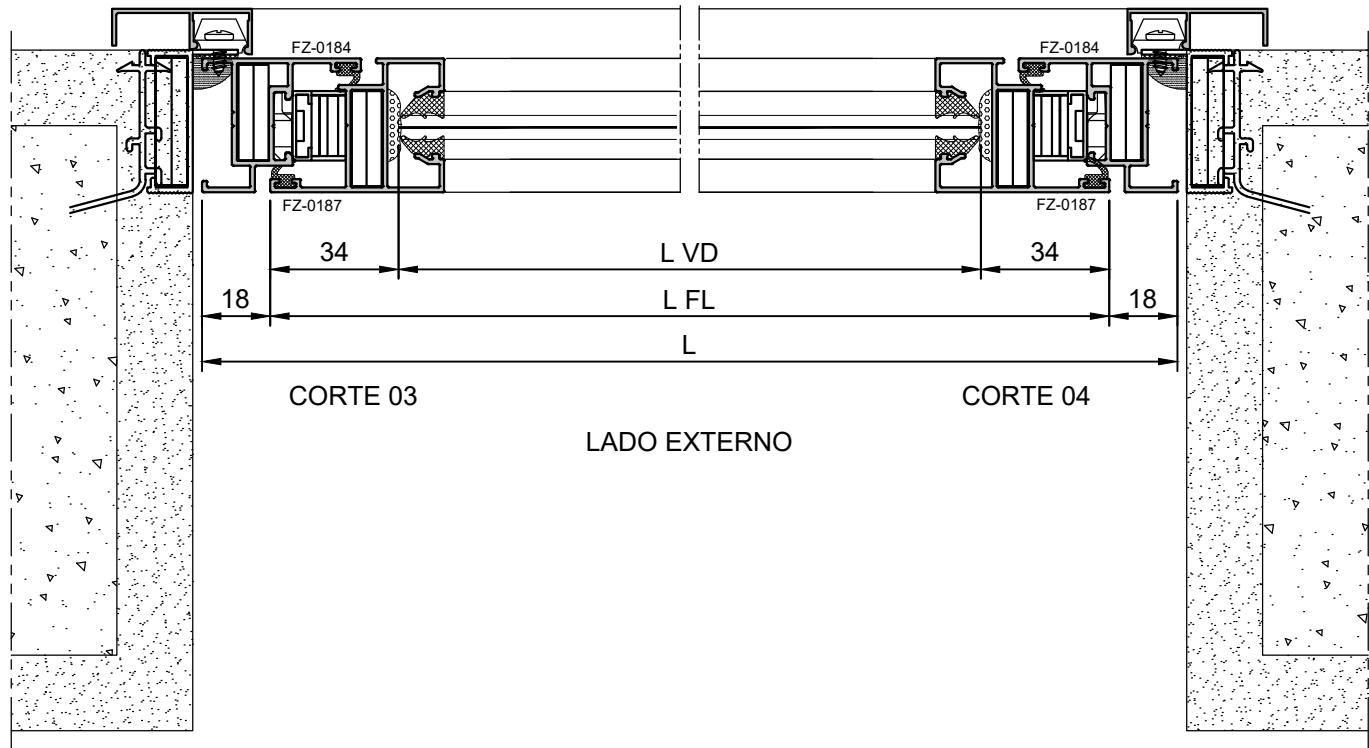
PORTA DE GIRO 2 FOLHAS

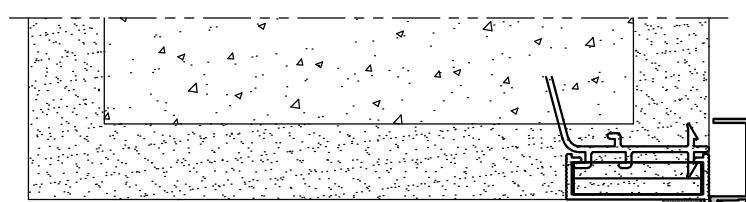
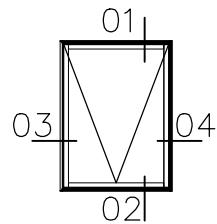


MAXIM-AR
1FOLHA




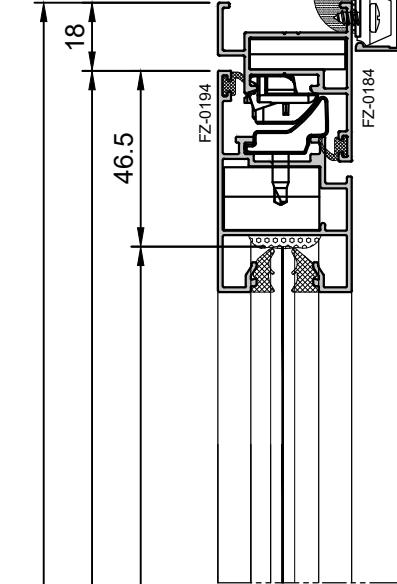
MAXIM-AR
1FOLHA




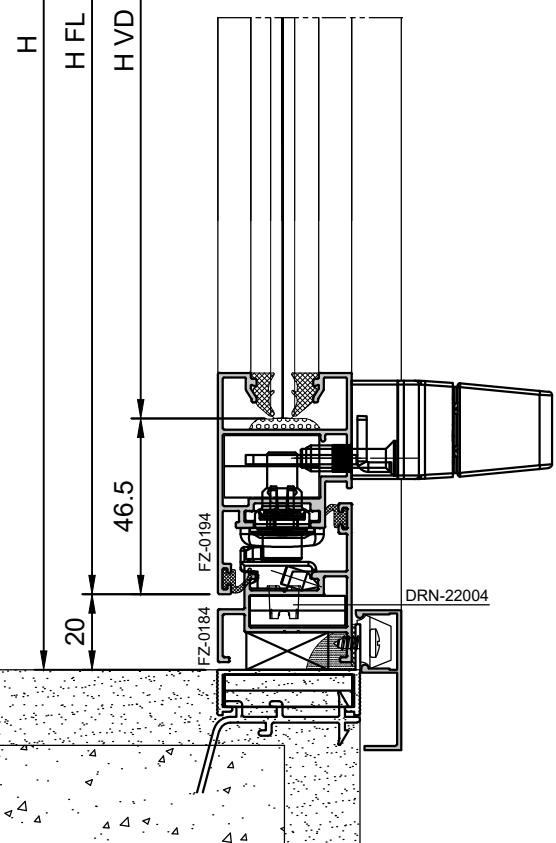
MAXIM-AR
1FOLHA


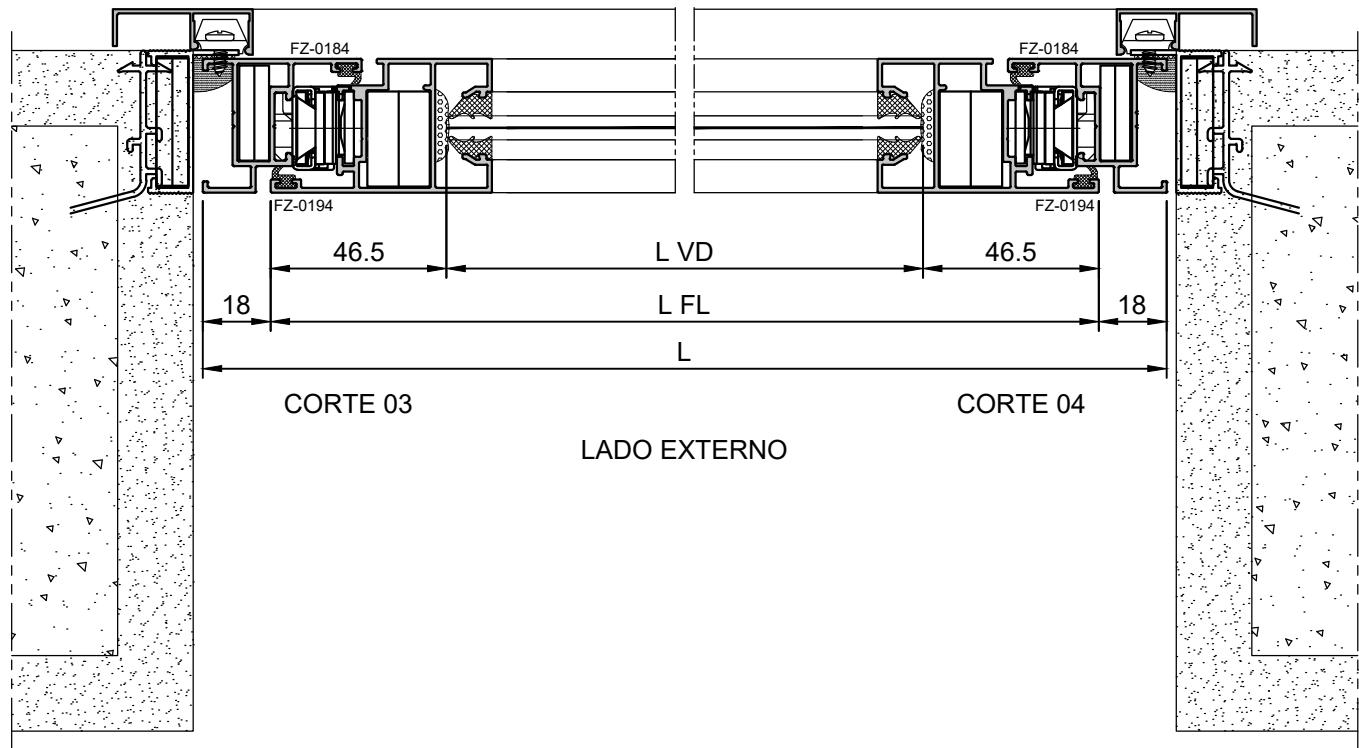
CORTE 01

LADO EXTERNO



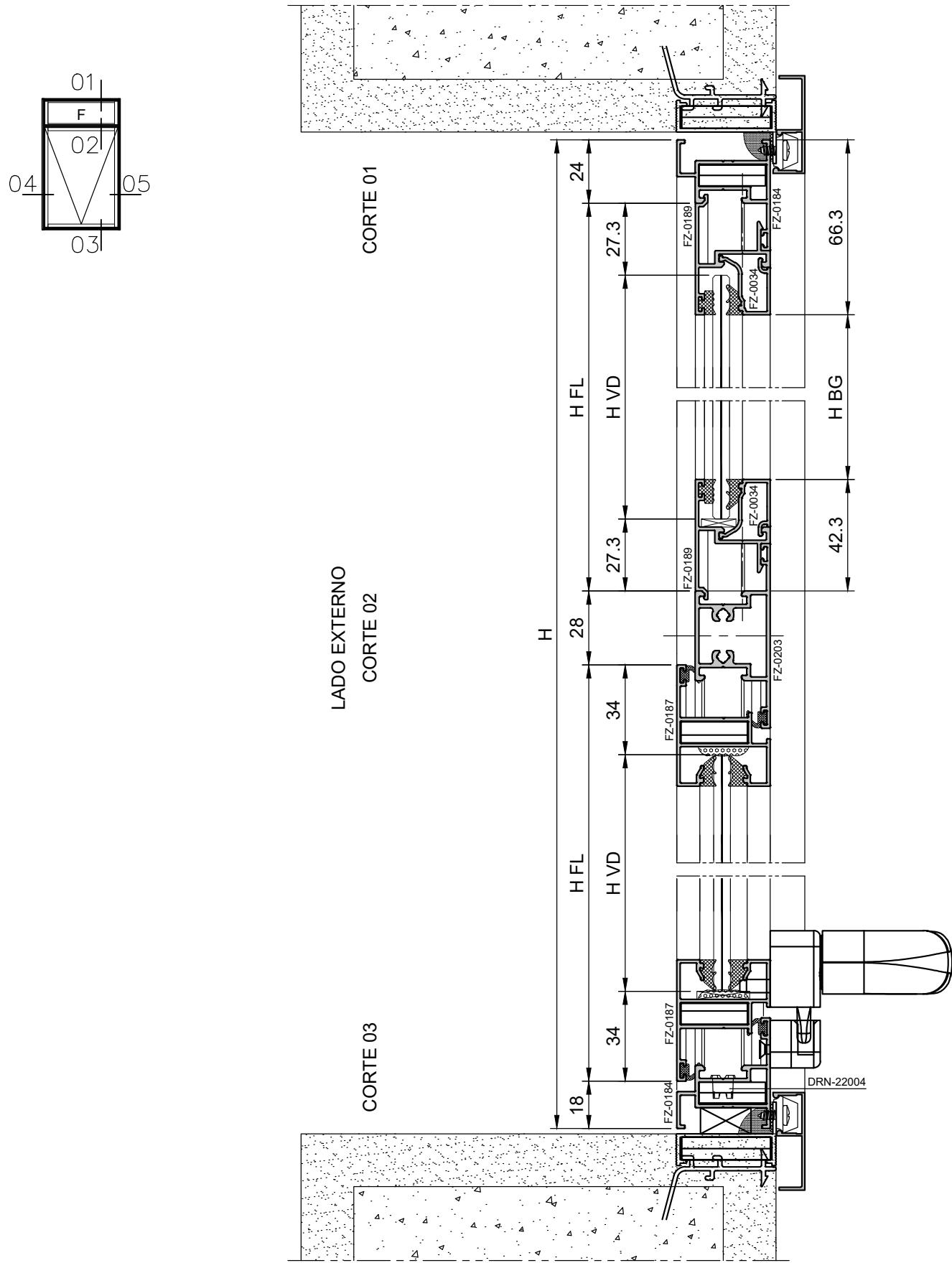
CORTE 02

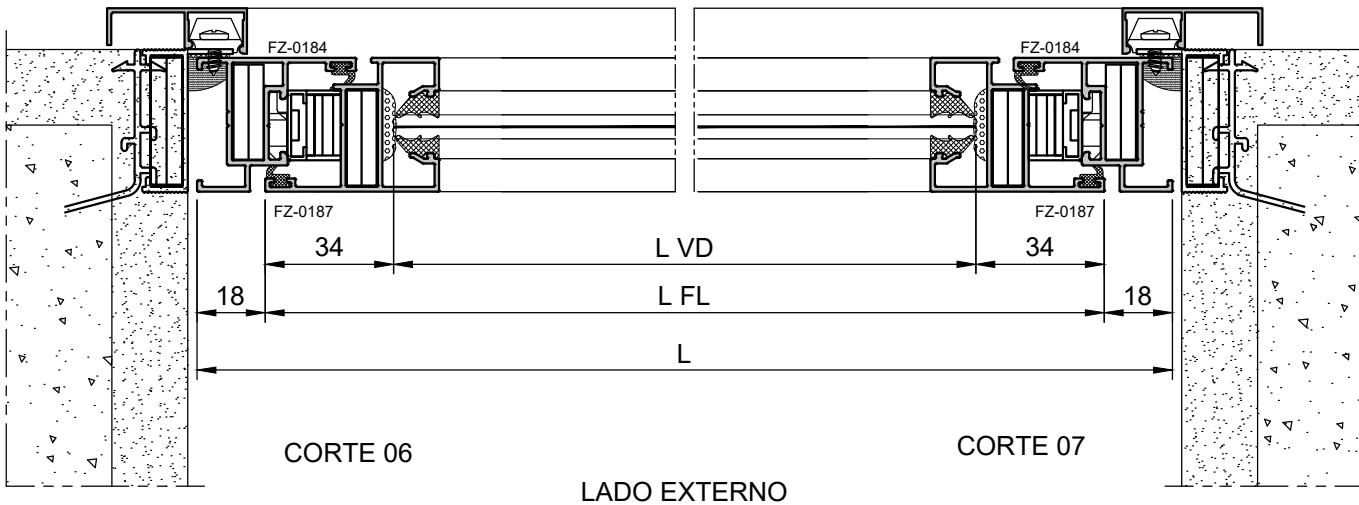
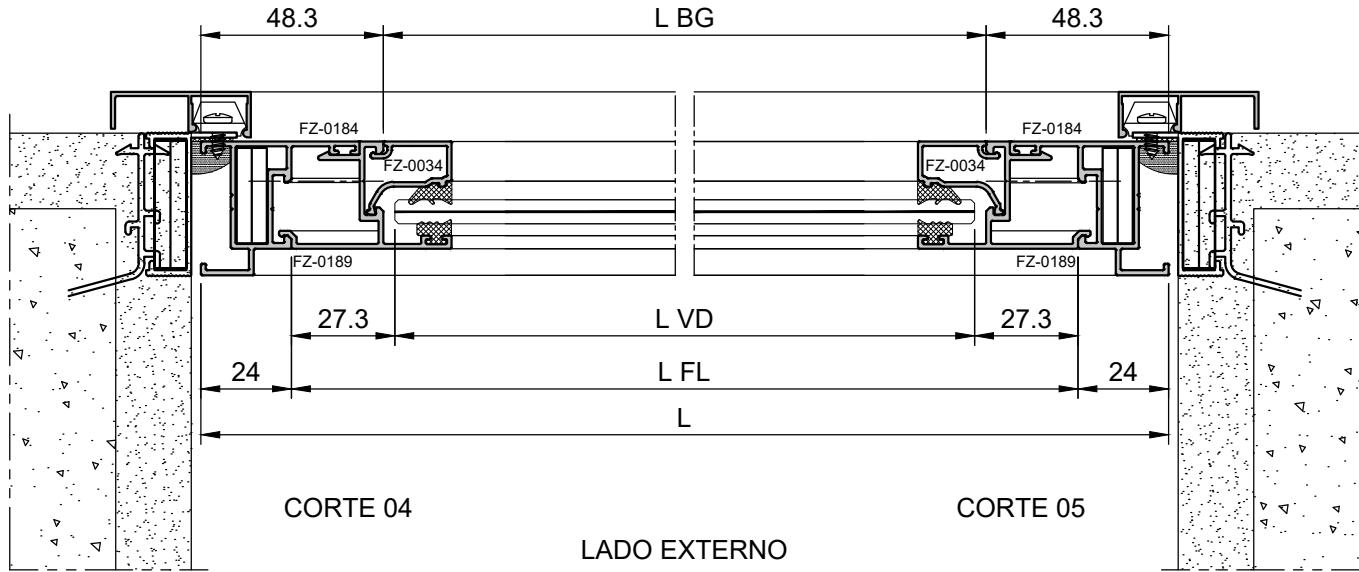




MAXIM-AR

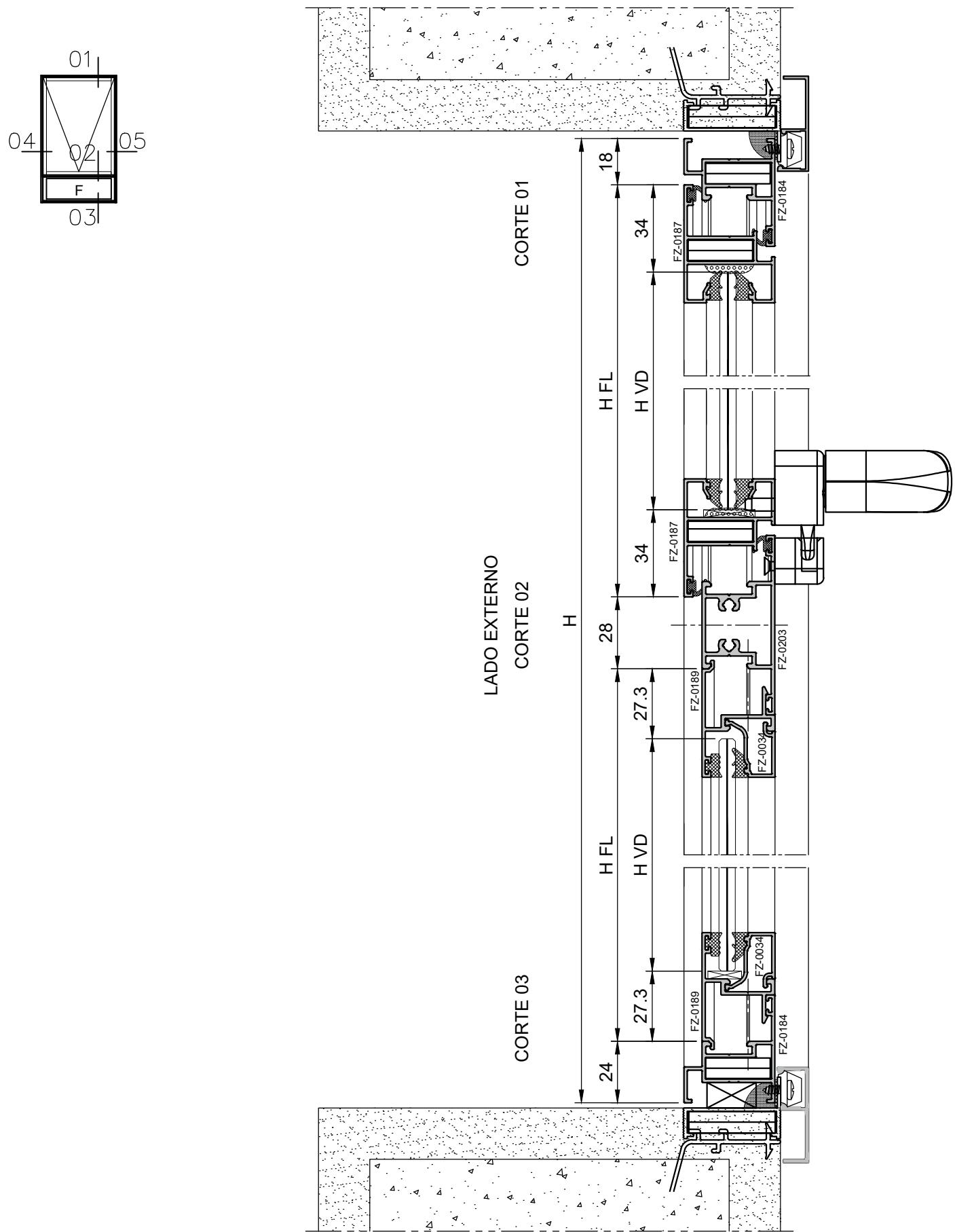
1FOLHA COM BANDEIRA

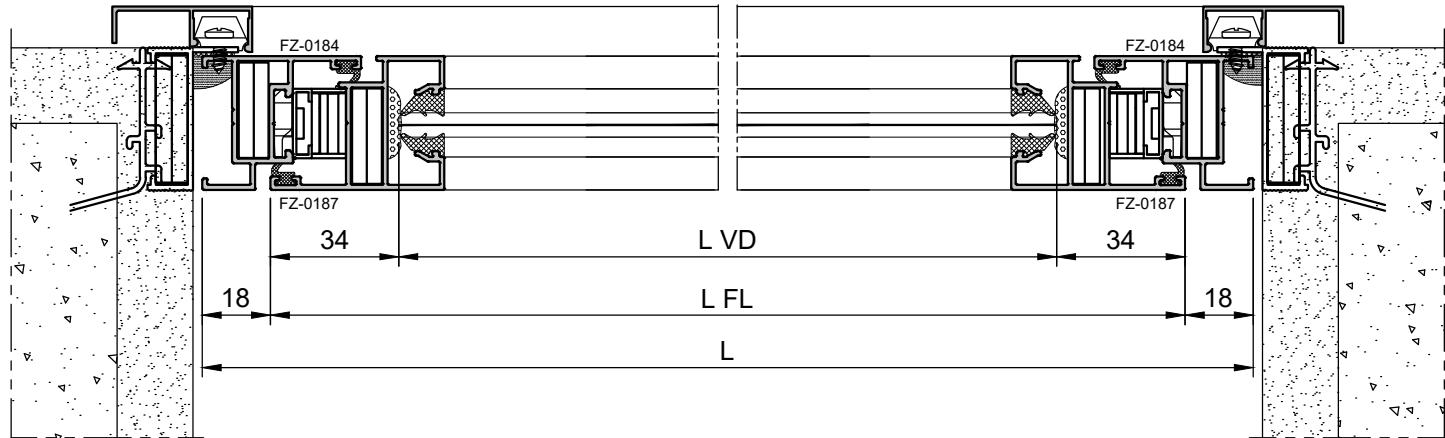


MAXIM-AR
1FOLHA COM BANDEIRA

MAXIM-AR

1 FOLHA COM PEITORIL

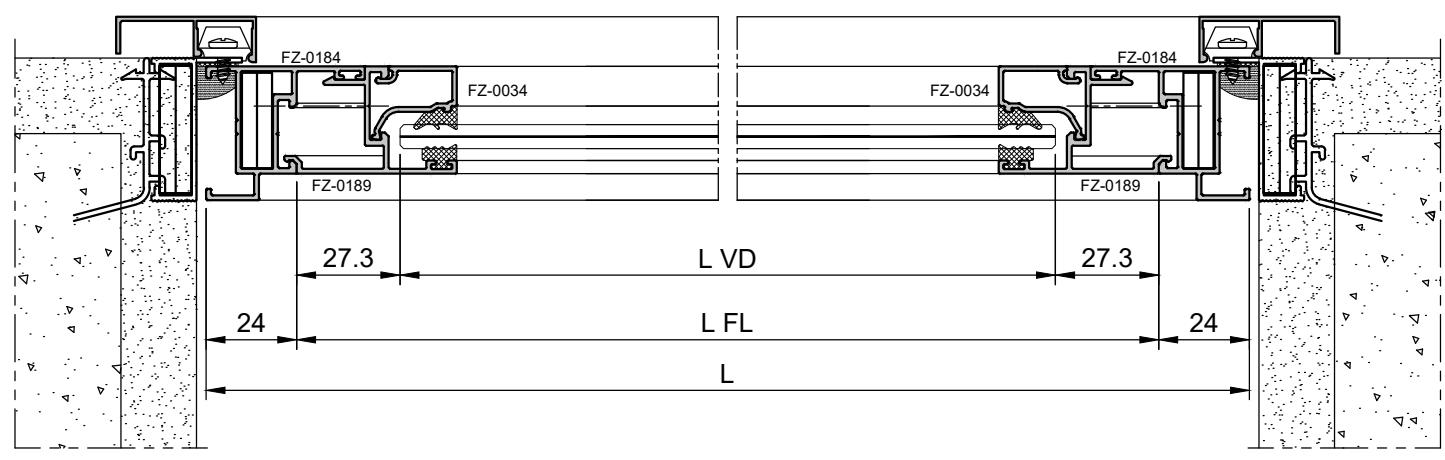


MAXIM-AR
1FOLHA COM PEITORIL


CORTE 04

LADO EXTERNO

CORTE 05



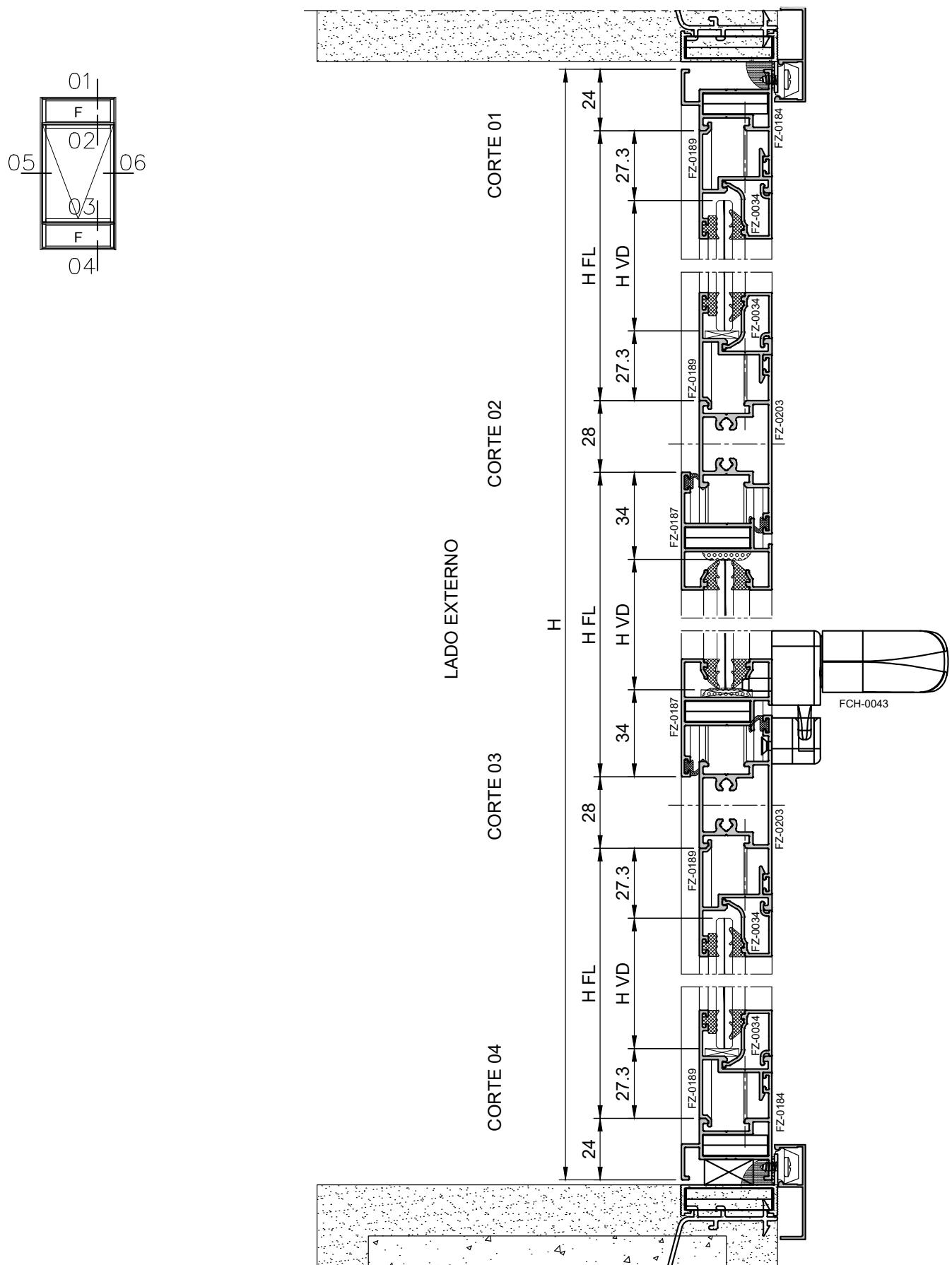
CORTE 06

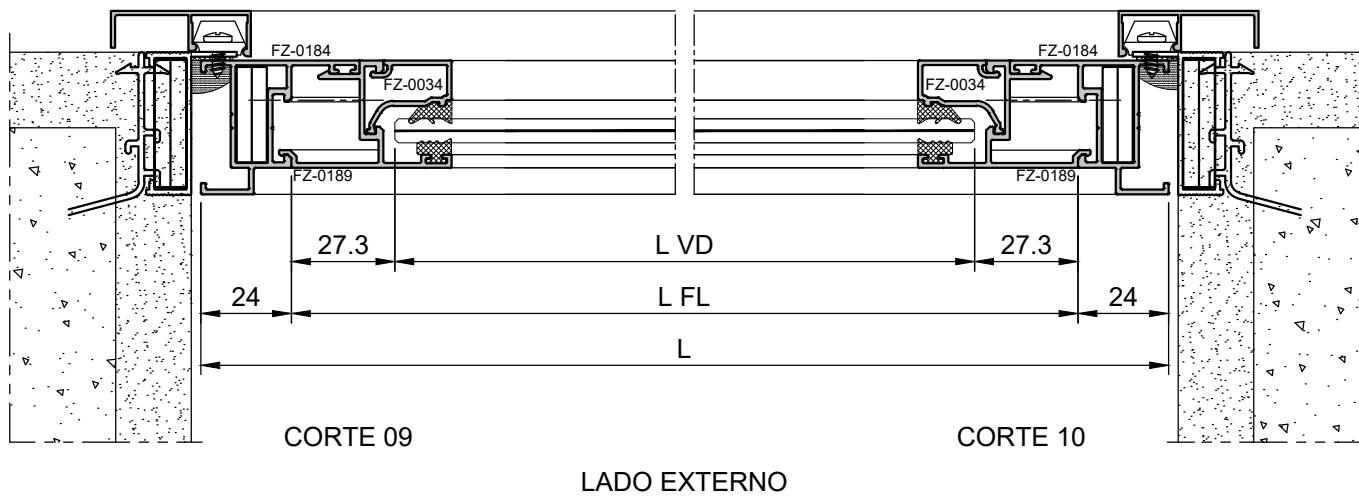
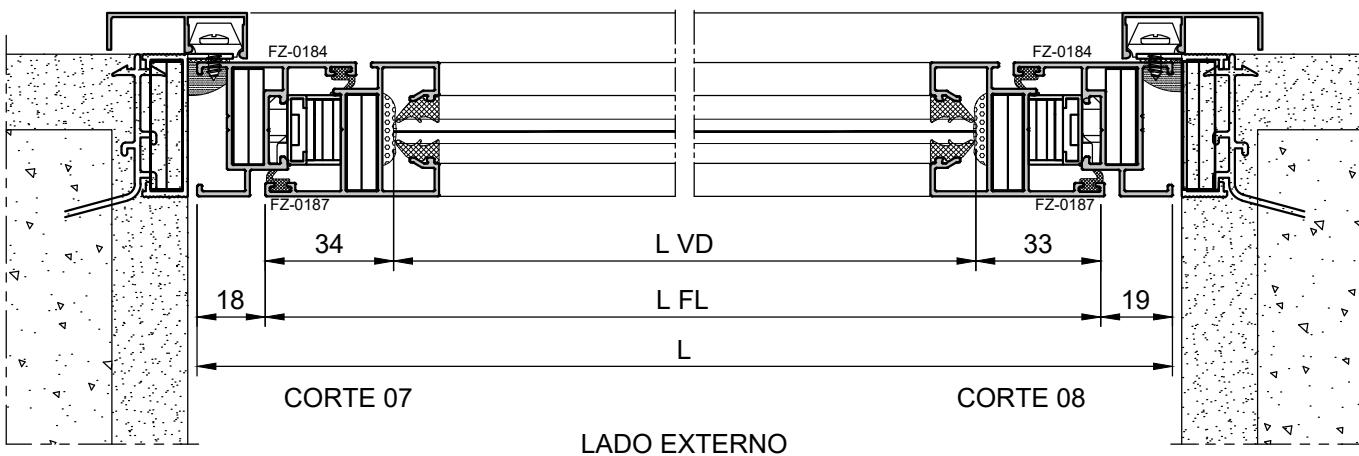
LADO EXTERNO

CORTE 07

MAXIM-AR

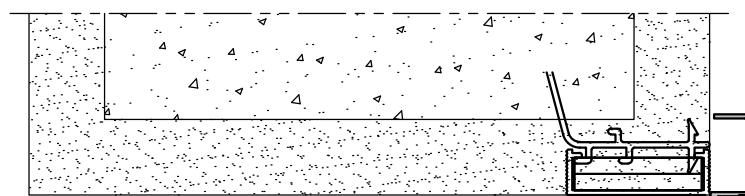
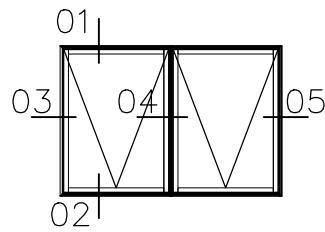
1FOLHA

COM BANDEIRA E PEITORIL


MAXIM-AR**1FOLHA****COM BANDEIRA E PEITORIL**

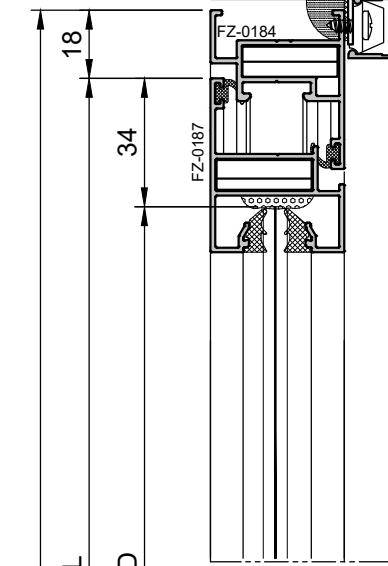
MAXIM-AR

MÚLTIPLOS MÓDULOS

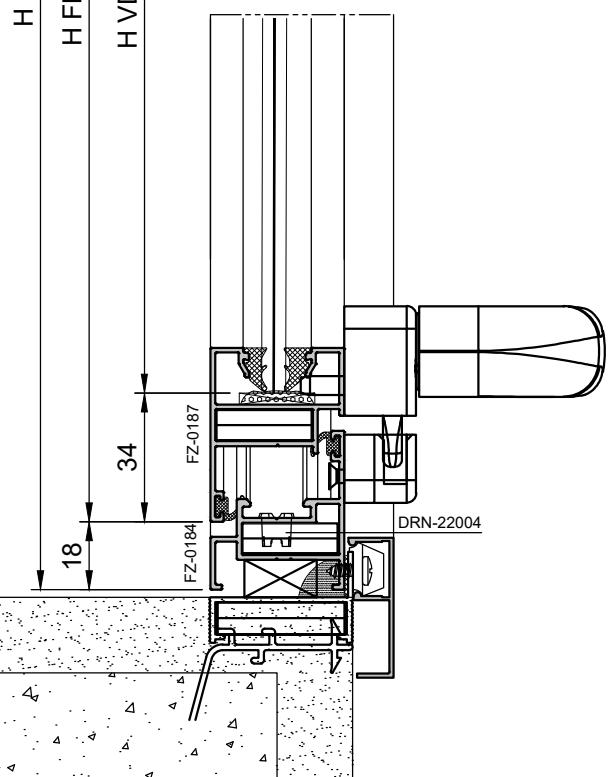


CORTE 01

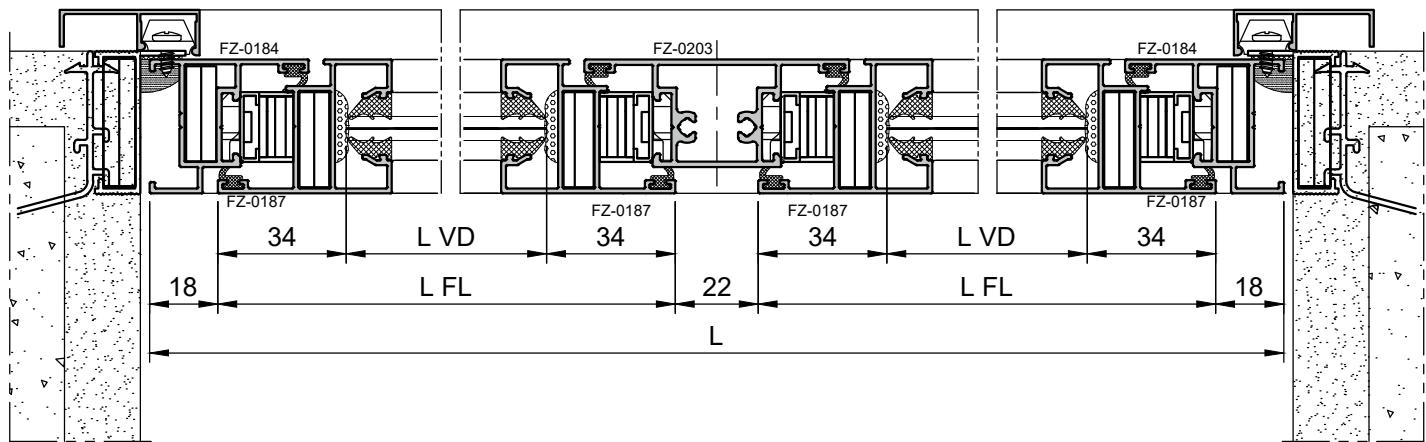
LADO EXTERNO



CORTE 02



MAXIM-AR
MÚLTIPLOS MÓDULOS



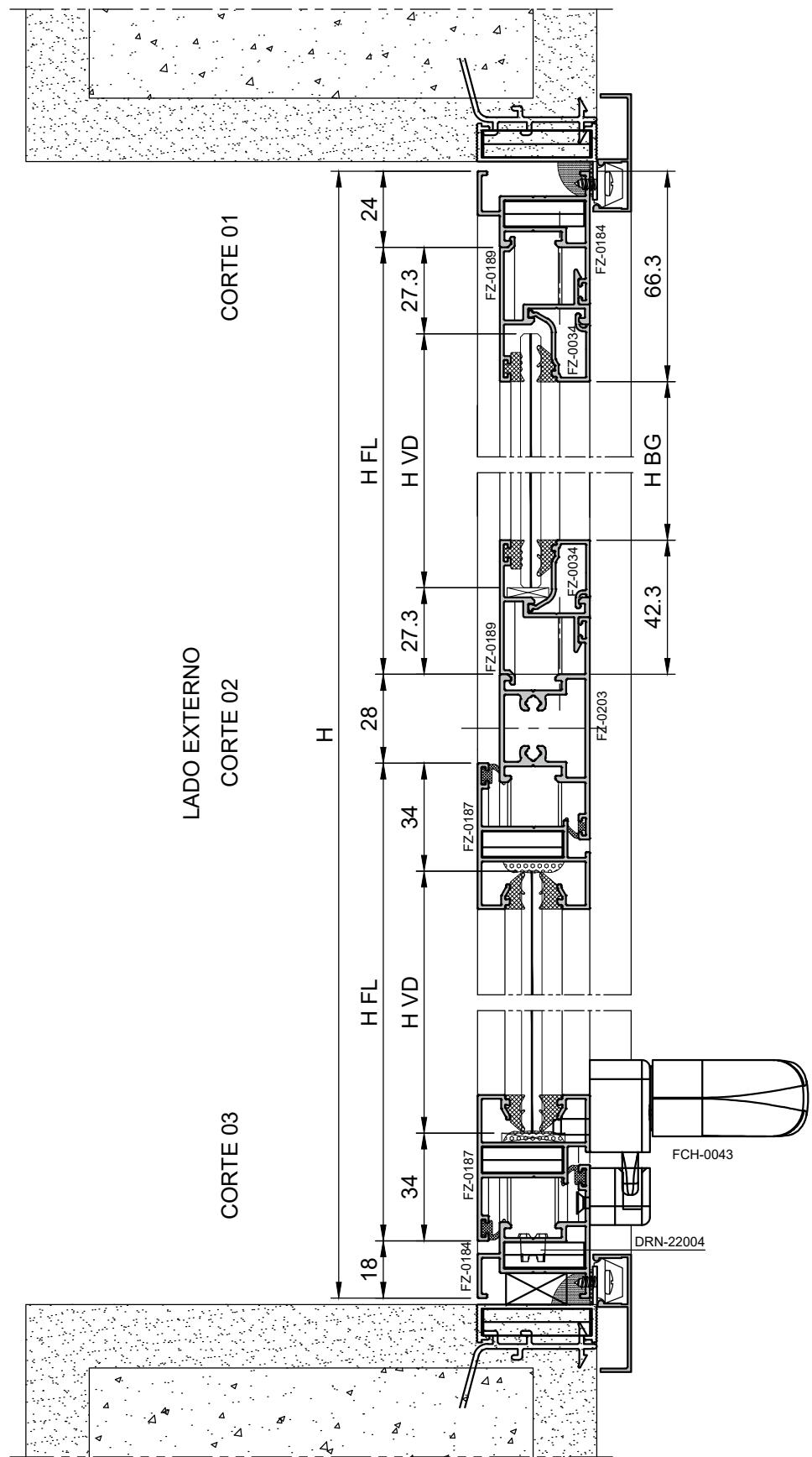
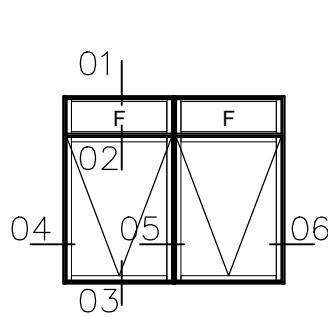
CORTE 03

CORTE 04

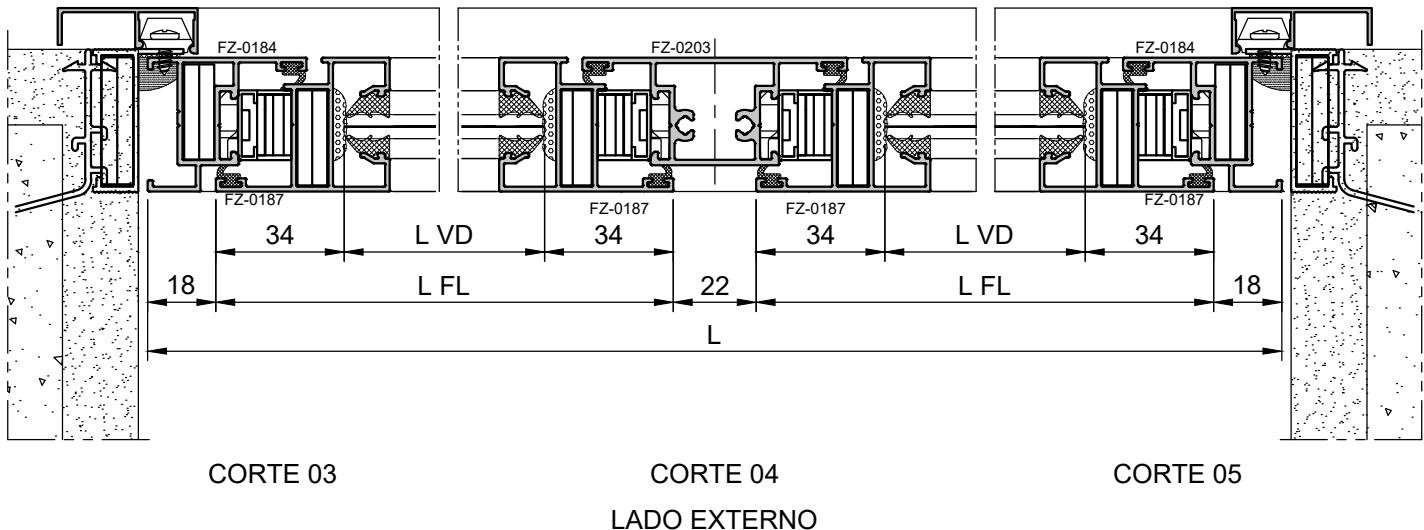
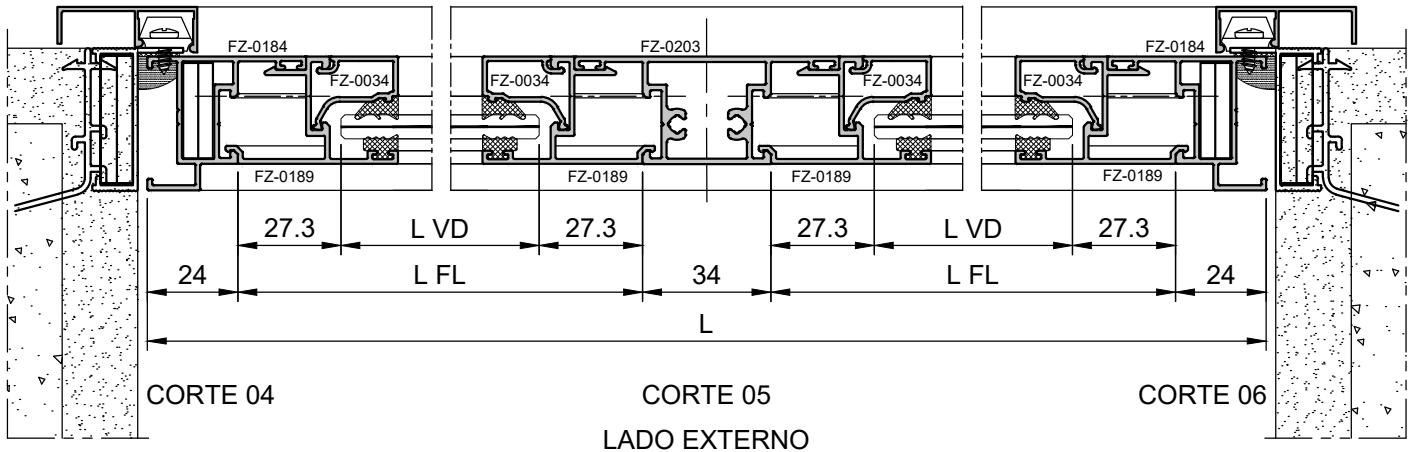
CORTE 05

LADO EXTERNO

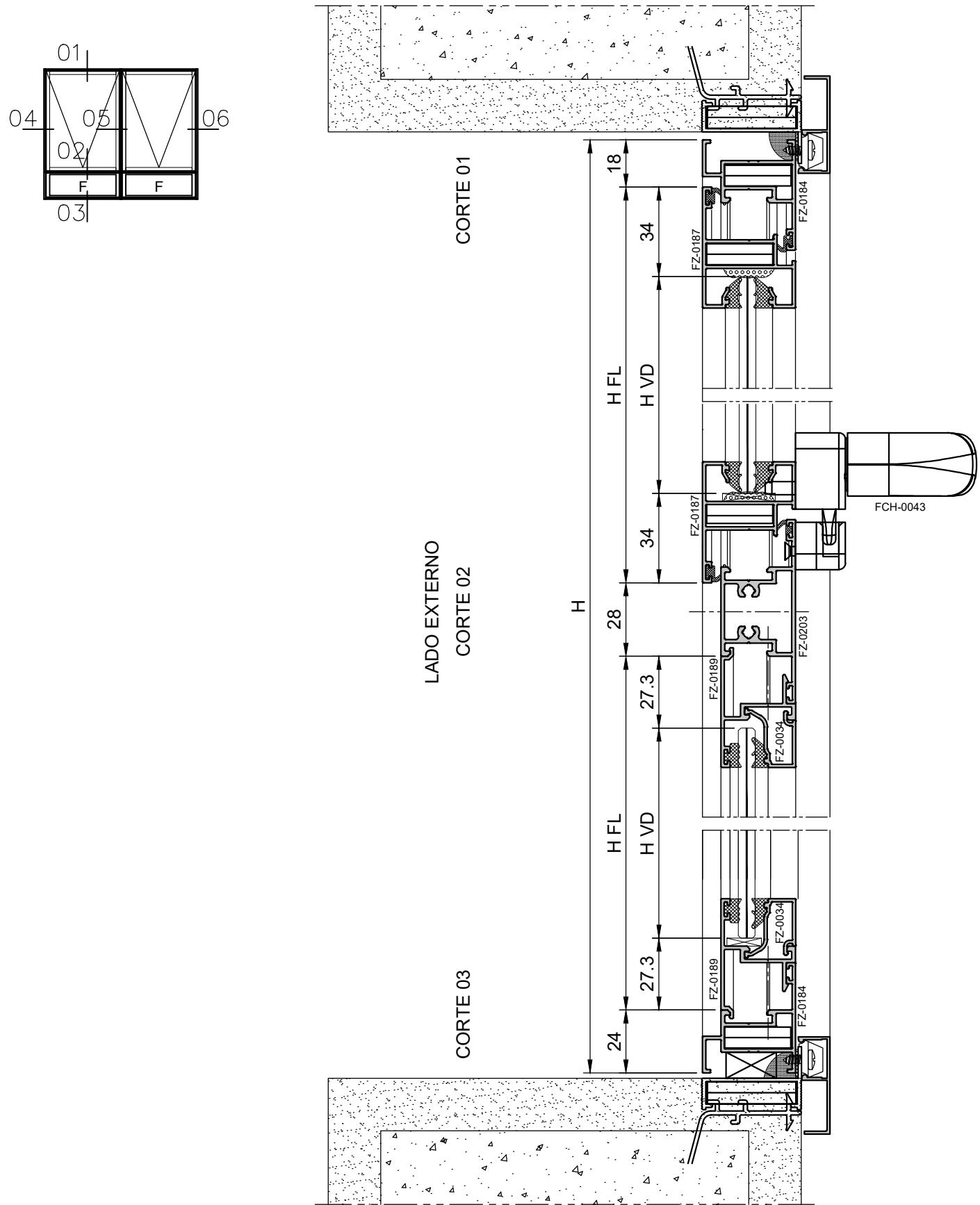
MAXIM-AR
MÚLTIPLOS MÓDULOS
COM BANDEIRA



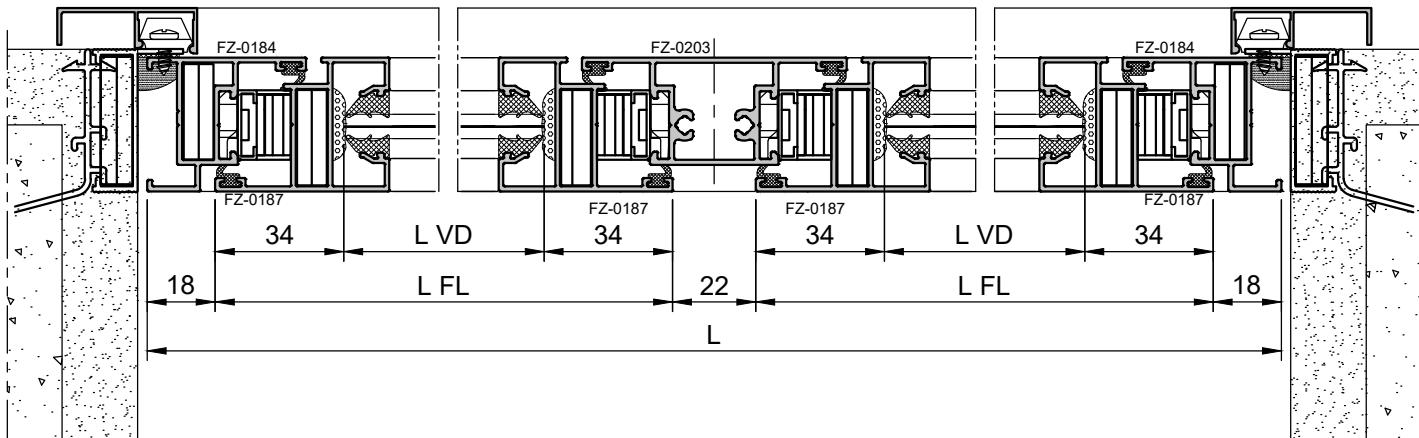
MAXIM-AR
MÚLTIPLOS MÓDULOS
COM BANDEIRA



MAXIM-AR
MÚLTIPLOS MÓDULOS
COM PEITORIL



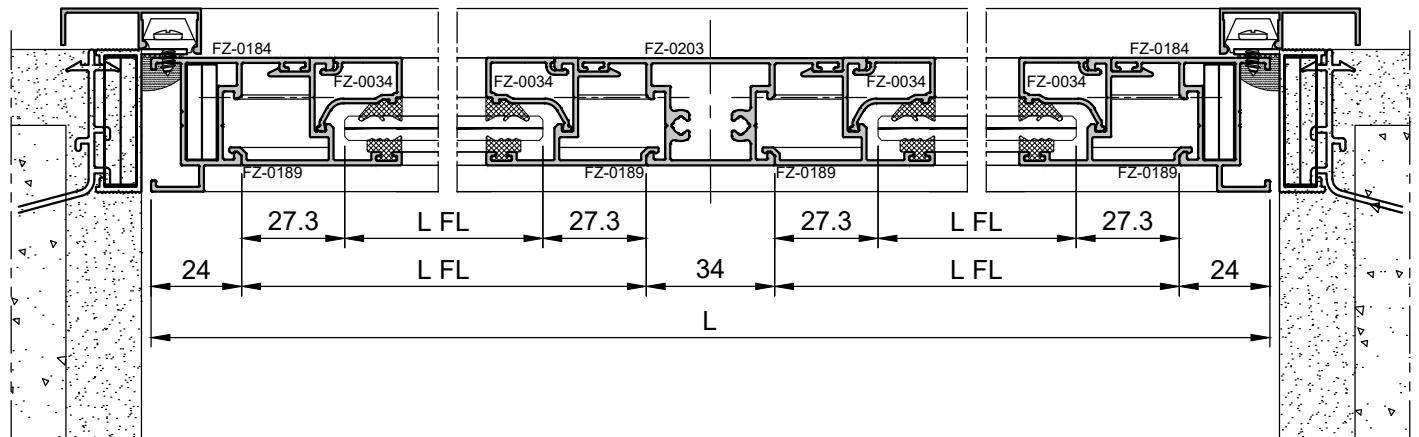
MAXIM-AR
MÚLTIPLOS MÓDULOS
COM PEITORIL



CORTE 04

CORTE 05
LADO EXTERNO

CORTE 06



CORTE 07

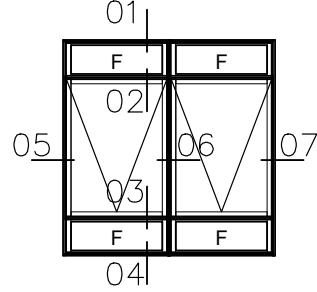
CORTE 08
LADO EXTERNO

CORTE 09

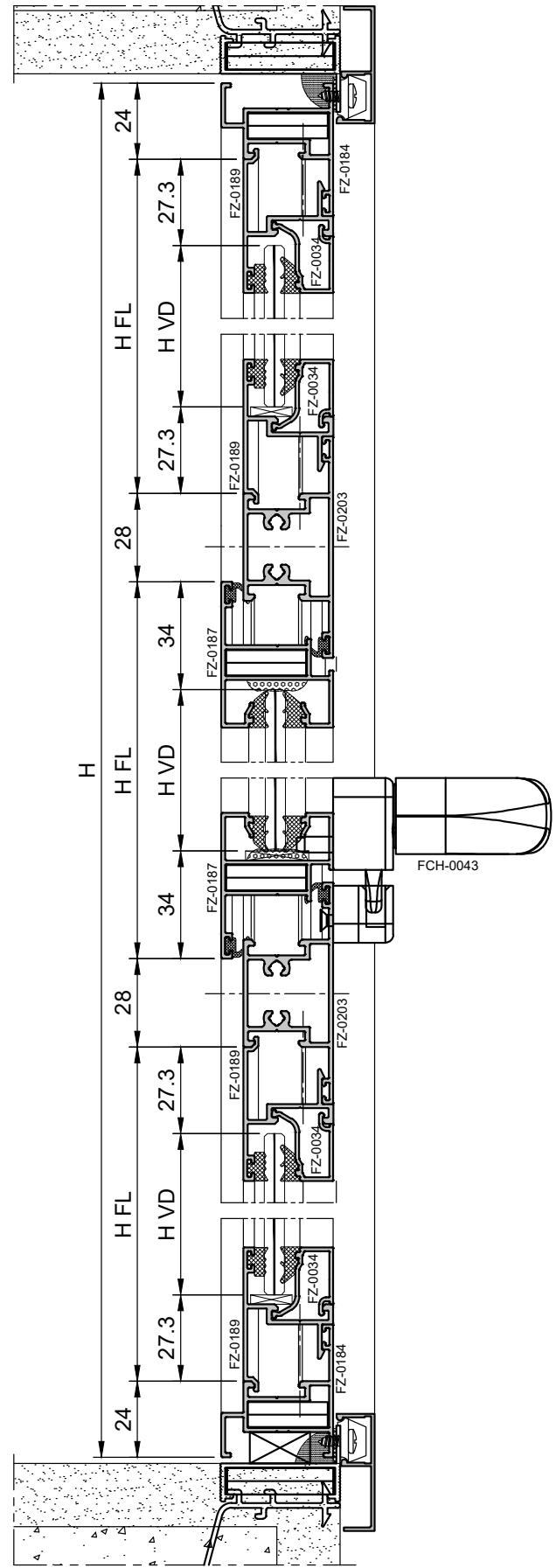
MAXIM-AR

MÚLTIPLOS MÓDULOS

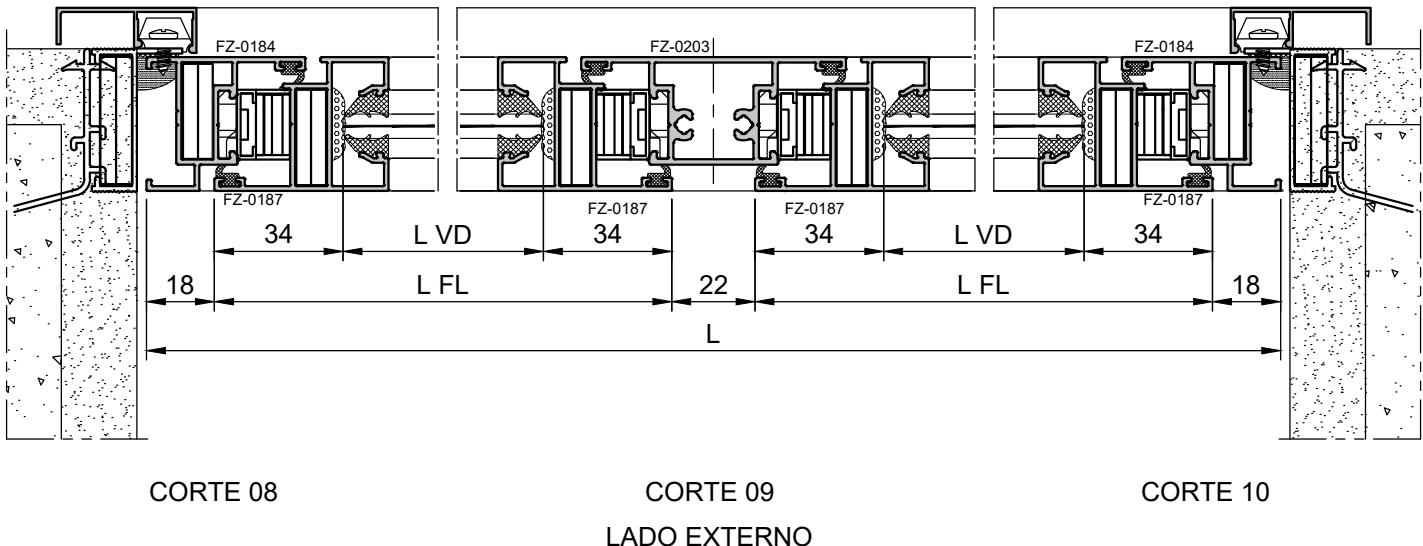
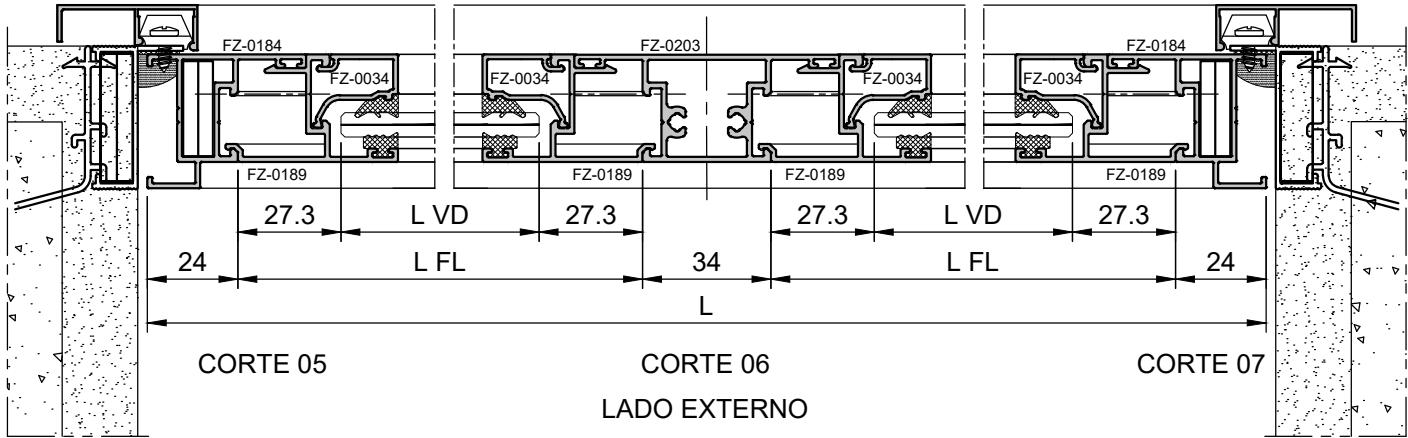
COM BANDEIRA E PEITORIL



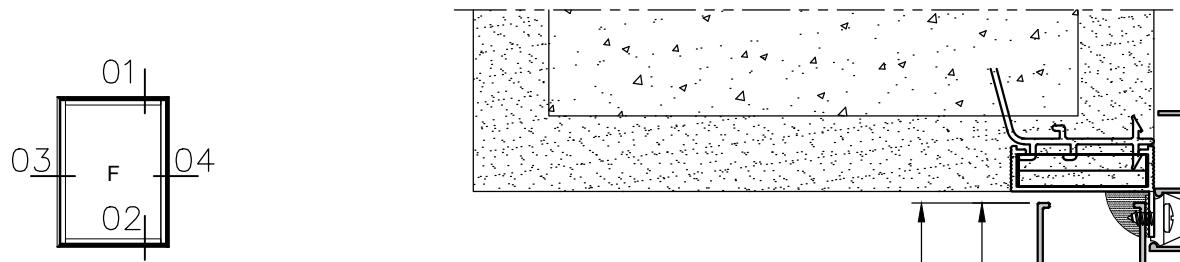
LADO EXTERNO CORTE 01 CORTE 02 CORTE 03 CORTE 04



MAXIM-AR
MÚLTIPLOS MÓDULOS
COM BANDEIRA E PEITORIL

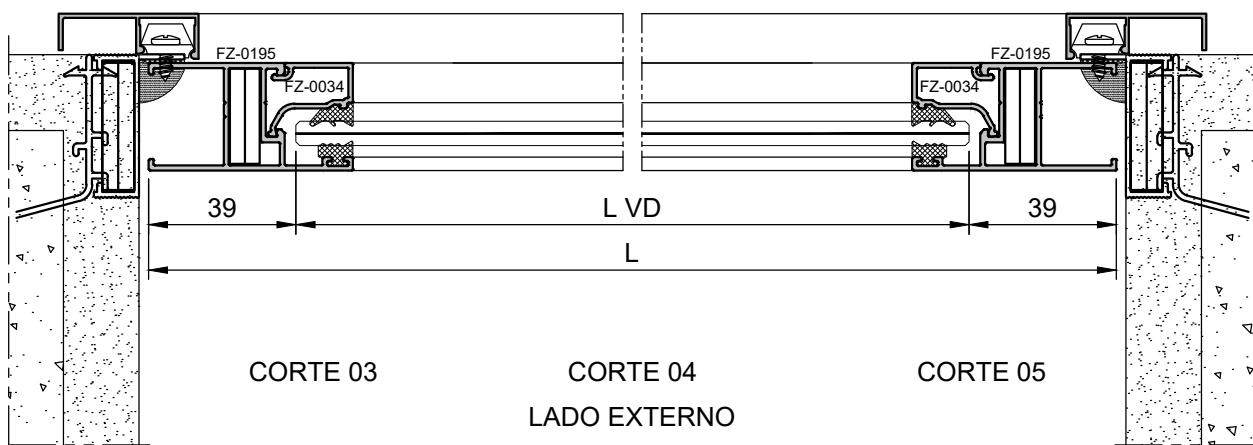
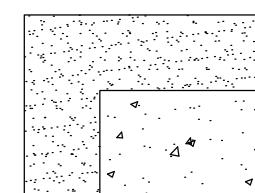
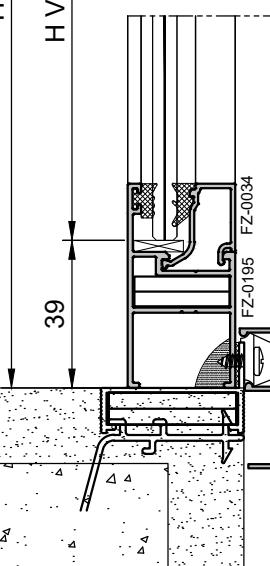
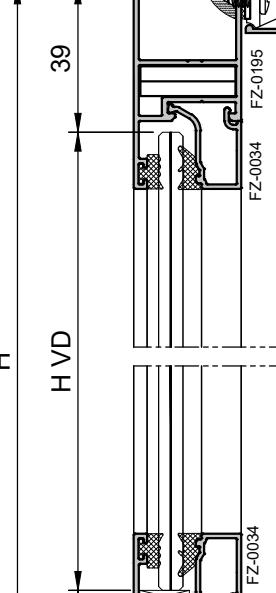


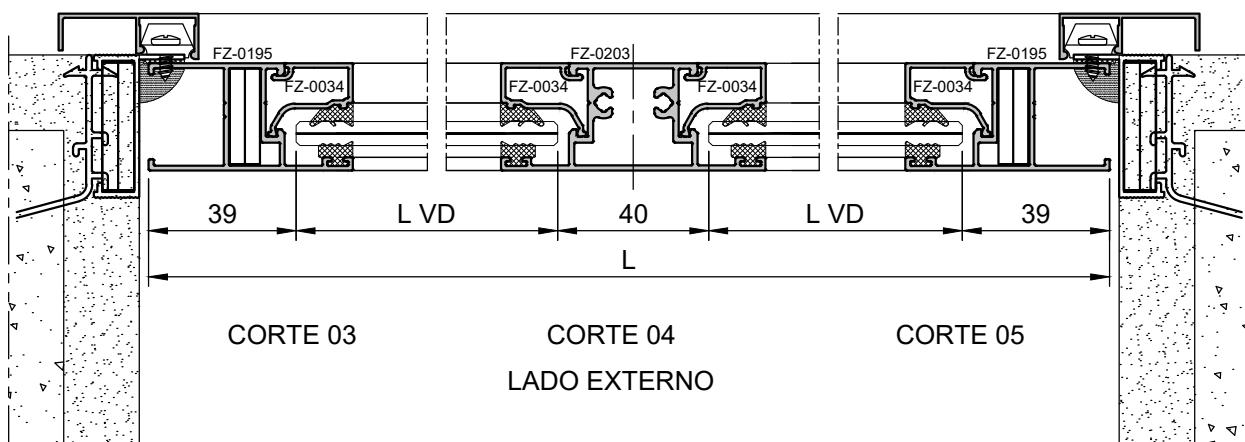
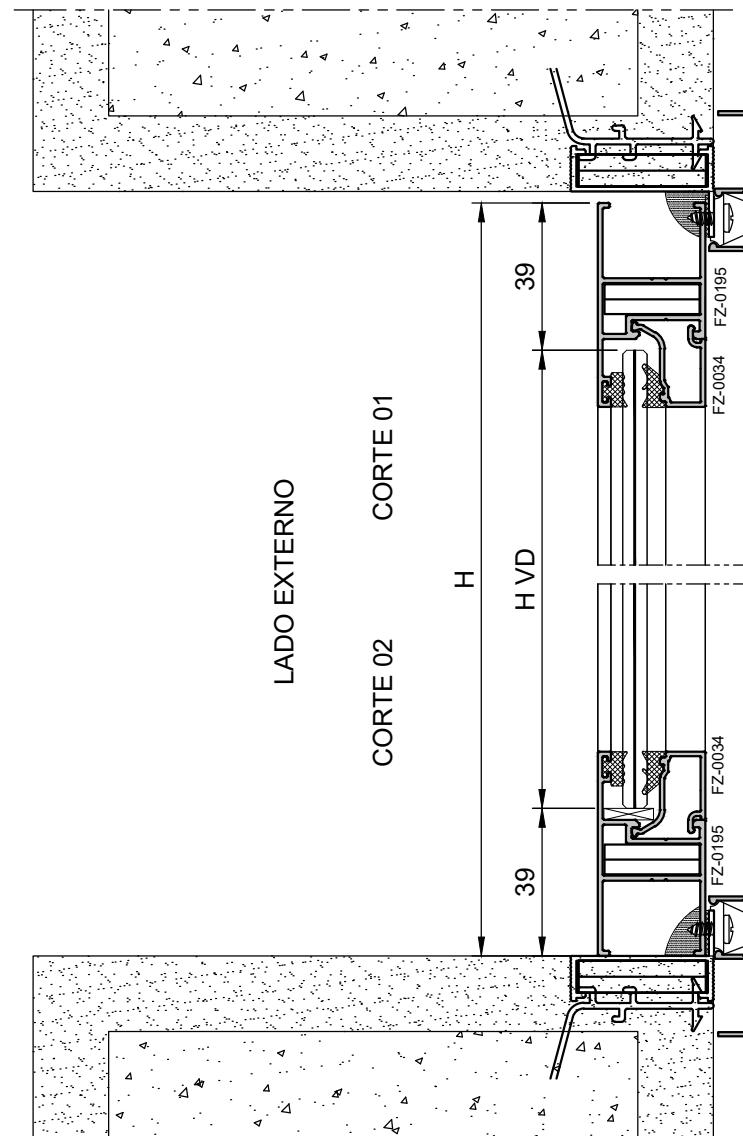
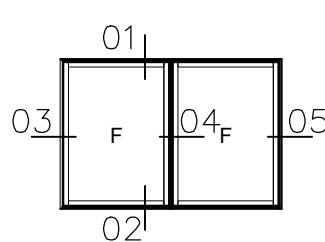
MÓDULO FIXO



LADO EXTERNO

CORTE 01 CORTE 02



MÓDULO FIXO

6

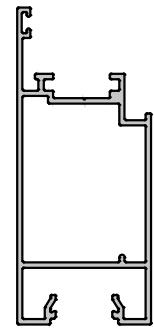
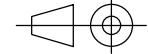
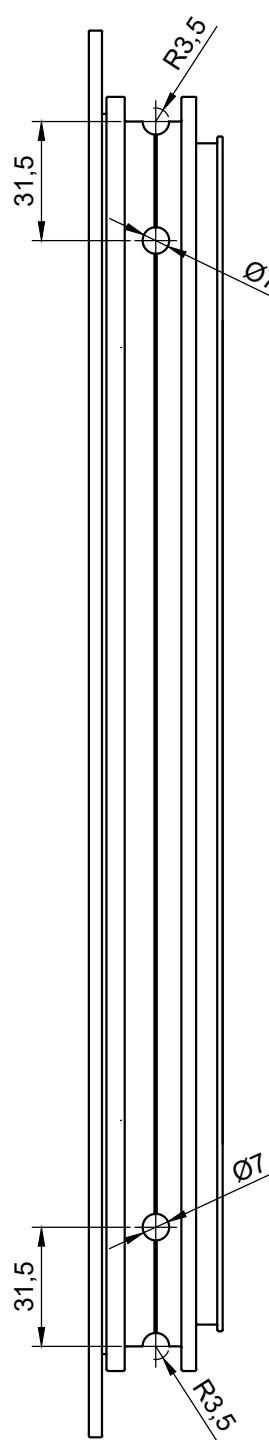
Usinagens

APLICAÇÕES

USINAGEM PARA CONEXÃO DA FOLHA PORTA DE GIRO (FZ0192)

Perfil: TRAVA
USI 1

ESCALA 1:1



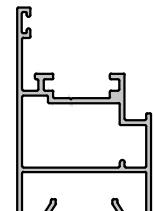
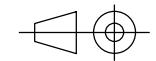
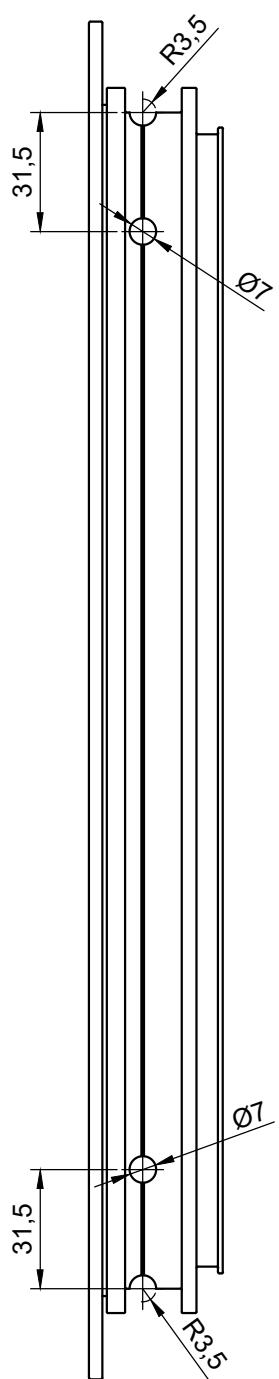
FZ-0192

NOTA: CONFERIR USINAGEM DO CONECTOR COM O FORNECEDOR

USINAGEM PARA CONEXÃO DA FOLHA MAXIM-AR (FZ0194)

Perfil: **TRAVA**
USI 2

ESCALA 1:1



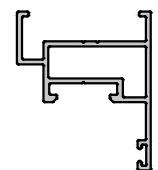
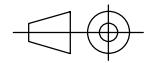
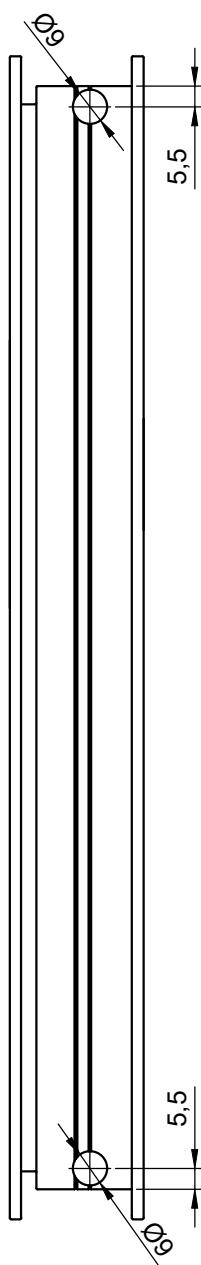
FZ-0194

NOTA: CONFERIR USINAGEM DO CONECTOR COM O FORNECEDOR

USINAGEM PARA CONEXÃO DO MARCO MAXIM-AR (FZ0184)

Perfil: TRAVA
USI 3

ESCALA 1:1

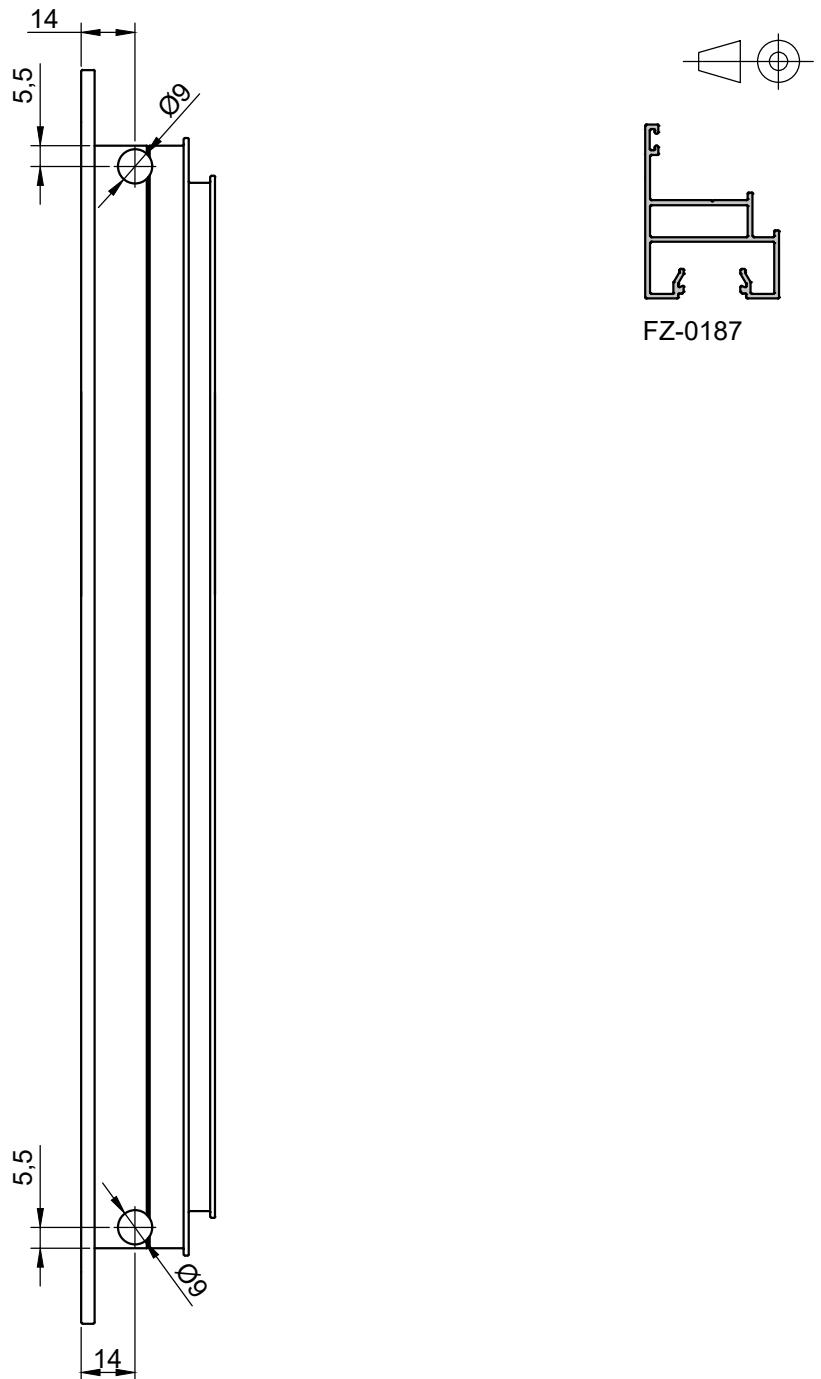


FZ-0184

USINAGEM PARA CONEXÃO DA FOLHA MAXIM-AR (FZ0187)

Perfil: **TRAVA**
USI 4

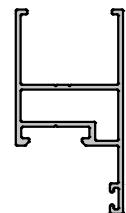
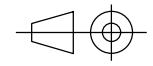
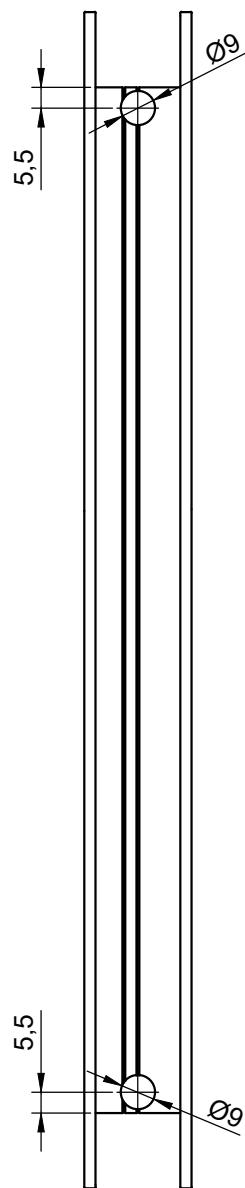
ESCALA 1:1



USINAGEM PARA CONEXÃO DO MARCO PORTA DE GIRO (FZ0195)

Perfil: TRAVA
USI 5

ESCALA 1:1

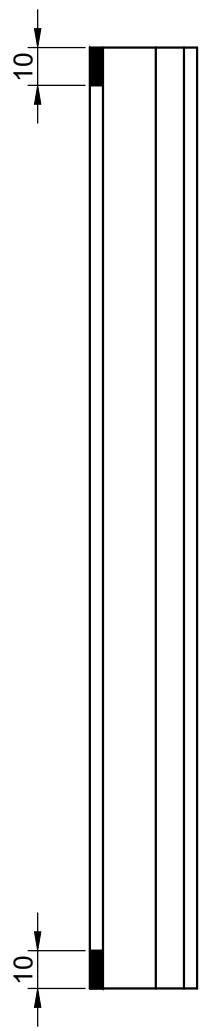
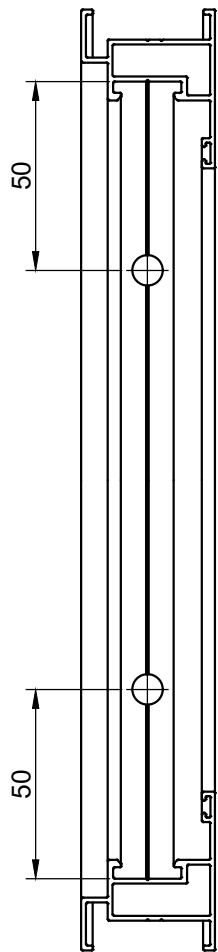
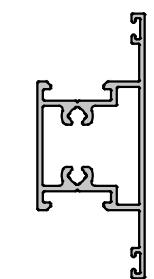
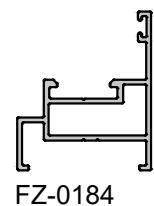
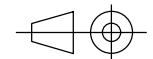
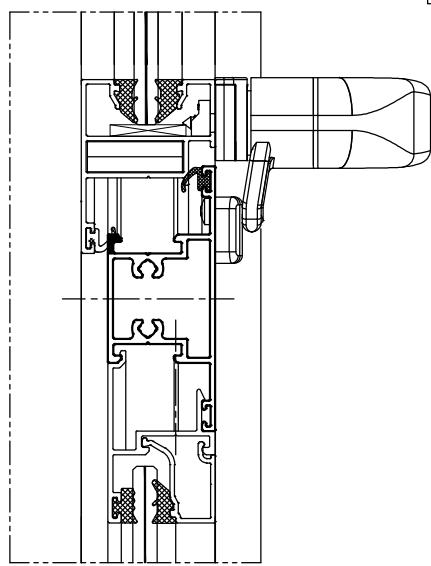
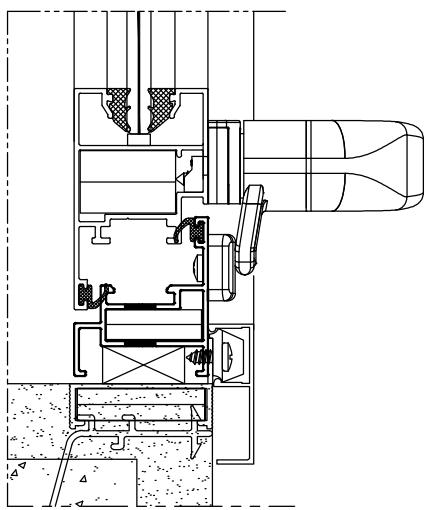


FZ-0195

USINAGEM PARA DRENAGEM D'ÁGUA (FZ0184 E FZ-0203)

Perfil: **TRAVA**
USI 6

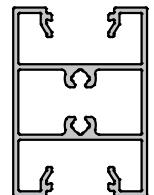
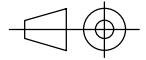
ESCALA 1:1



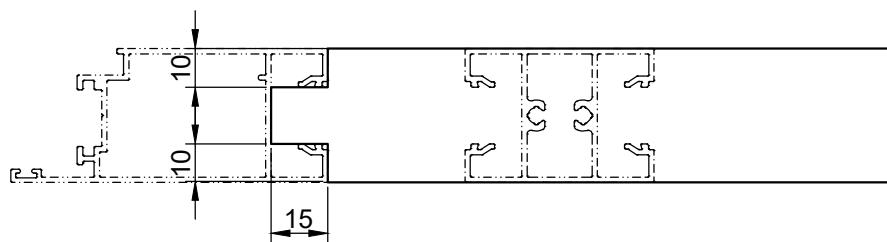
USINAGEM DA TRAVESSA (FZ-0204)

Perfil: TRAVA
USI 7

ESCALA 1:1



FZ-0204





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