

soleneGlass



GRUPO PERFISUD

O Perfil de Alumínio do Futuro.

O Grupo Perfisud é formado por empresas que atuam de forma integrada no desenvolvimento, industrialização e distribuição de perfis de alumínio, entregando ao mercado soluções completas com qualidade, agilidade e inovação.

Atendemos com excelência os setores da construção civil e da indústria, oferecendo tecnologia, suporte técnico especializado e flexibilidade para clientes que buscam desempenho, durabilidade e atendimento diferenciado nos seus projetos.

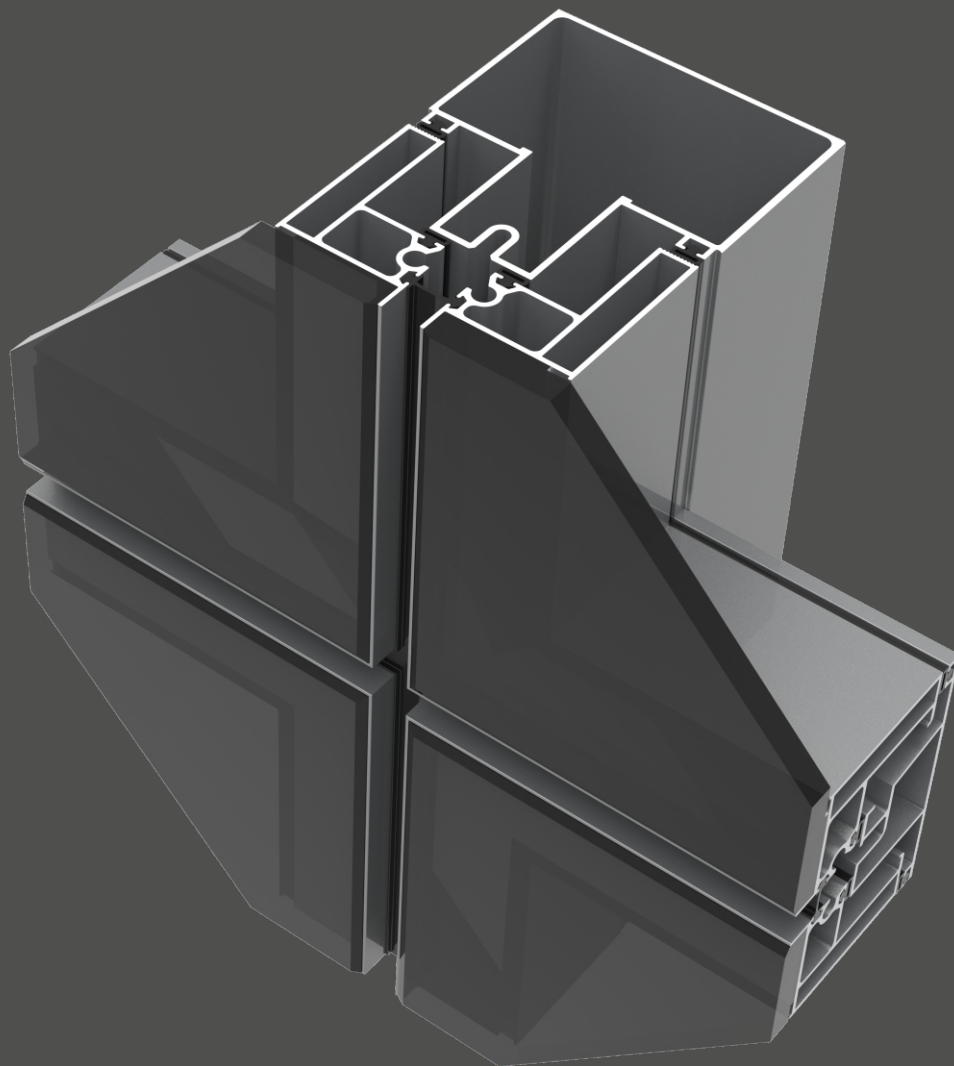
Nascemos com um propósito claro: sermos mais do que fornecedores. Somos parceiros estratégicos, comprometidos em impulsionar o

sucesso de cada cliente por meio de soluções que unem engenharia, inovação e profundo entendimento das necessidades do mercado.

Nossa atuação se destaca pela verticalização inteligente: da extrusão à pintura, da criação de sistemas próprios ao estoque à pronta entrega.

Somos a Perfisud e a Esquadrimax, marcas fortes, que juntas formam um grupo preparado para atender desde pequenos fabricantes até grandes indústrias, construtoras e especificadores.

Com uma cultura de excelência, inovação com propósito e relacionamentos duradouros, o Grupo Perfisud cresce de forma sustentável, valorizando o capital humano, respeitando o meio ambiente e se antecipando às transformações do mercado.



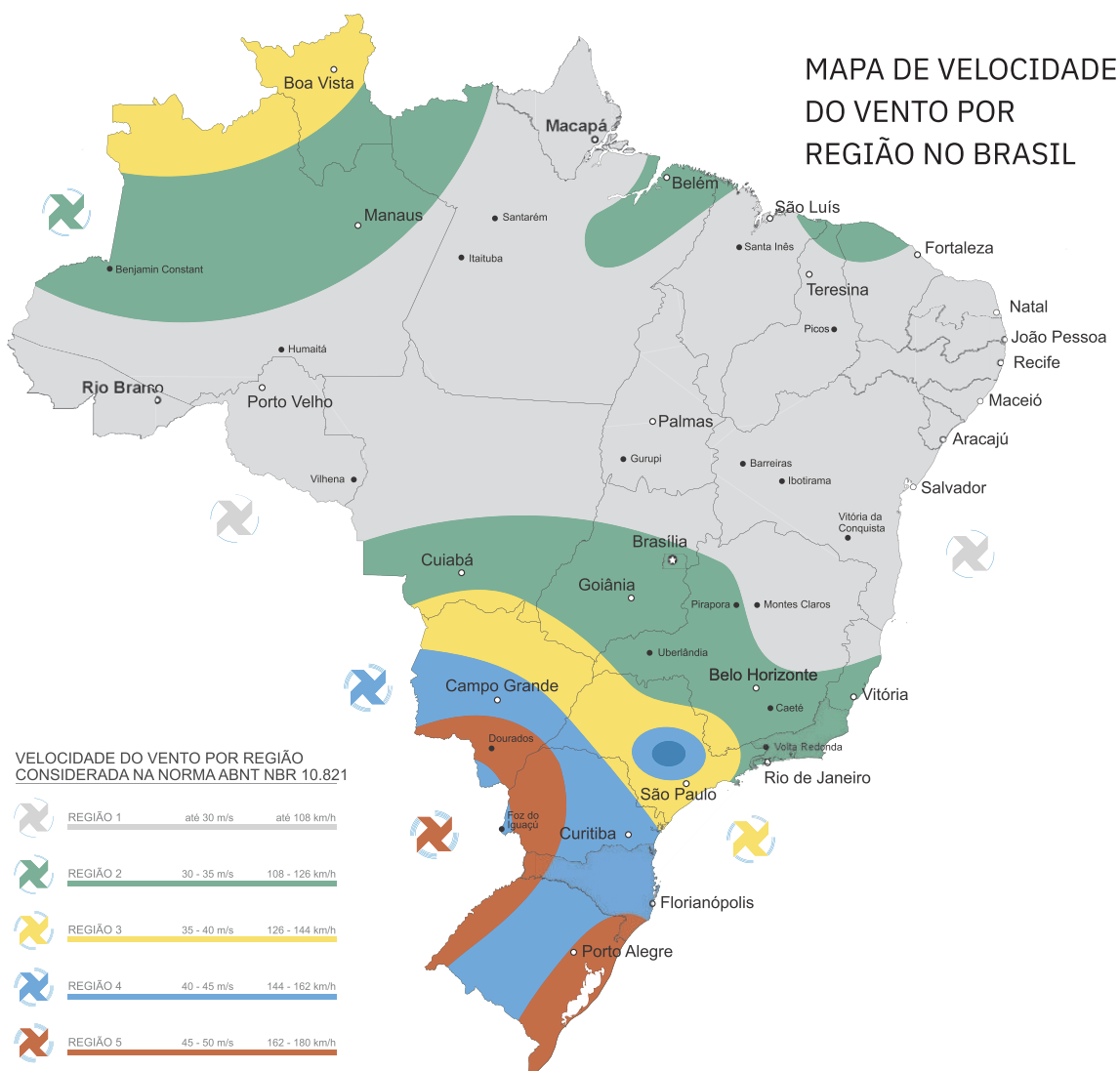
solene_{glass}

Leveza visual em sua forma mais pura. A Solene Glass é o sistema de fachada Stick do Solene System, desenvolvido para projetos que valorizam transparência, proporção e precisão estética. Com fuga reduzida de 15 mm entre os vidros, proporciona leitura visual contínua, limpa e sofisticada. Com linhas discretas e composição equilibrada, entrega uma fachada elegante, onde o vidro assume protagonismo e a estrutura se integra de forma sutil, sendo a escolha ideal para arquiteturas contemporâneas que buscam impacto visual e alto padrão de acabamento.

A determinação da pressão de ensaio que deve ser considerada nos cálculos e análises das esquadrias, são conforme a localização do empreendimento.

- Identifique no mapa de isopletras (figura 1) a região do País onde está localizada a sua edificação

Figura 1 - Isopletras da velocidade básica. Fonte: ABNT NBR 6123



- Após encontrada a região na figura 1, vamos analisar na tabela abaixo a pressão de ensaio, segurança e água de acordo com a altura ou quantidade de pavimentos da edificação.

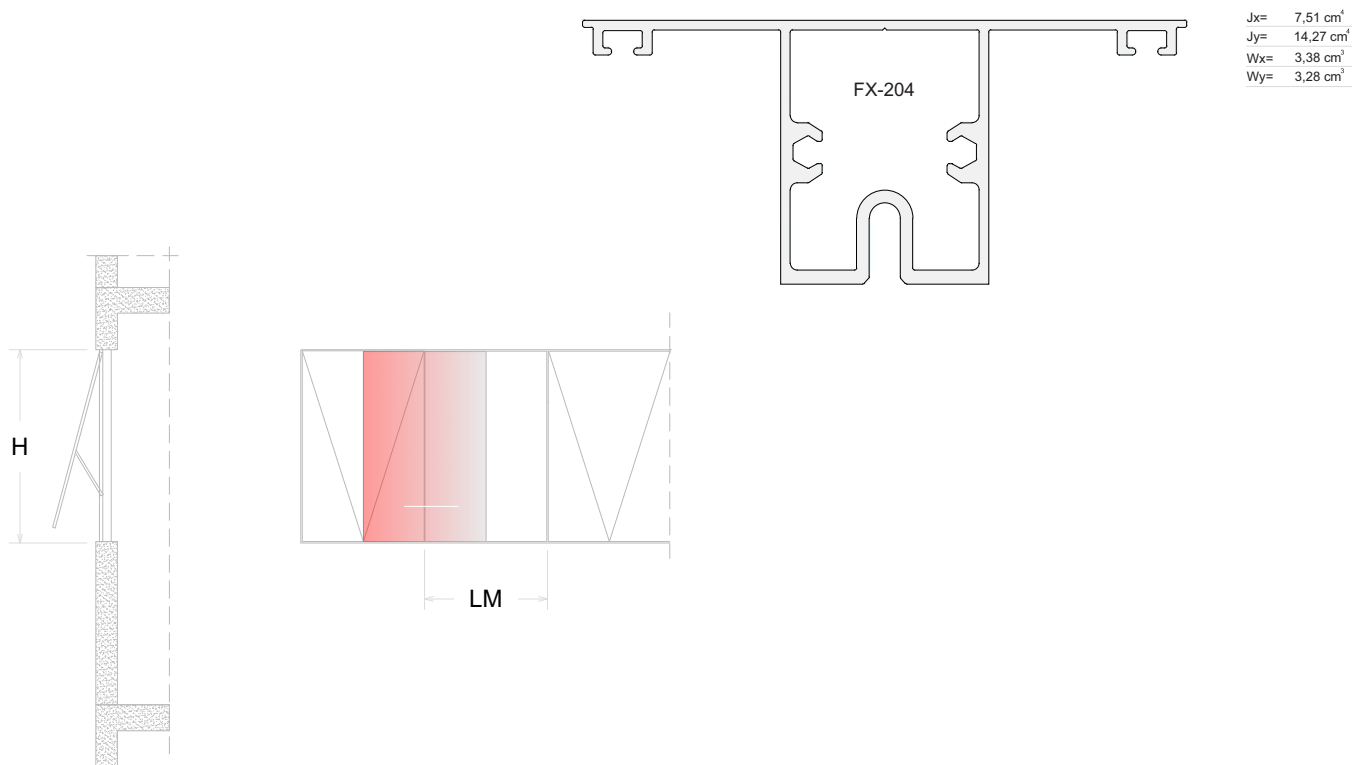
Quantidade de Pavimentos	Altura Máxima	Região do País	Pressão de ensaio Pe, em (Pa) Positiva e negativa $Pe = Pp \times 1,2$	Pressão de segurança Ps, em (Pa) Positiva e negativa $Pe = Pp \times 1,5$	Pressão de água Pa, em (Pa) $Pe = Pp \times 1,2$
02	6 m	I	350	520	60
		II	470	700	80
		III	610	920	100
		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

- Com as pressões encontradas, é possível verificar nas páginas dos diagramas de dimensões, qual o perfil se encaixa melhor para aplicação em sua edificação. Para isso, ligue o eixo da largura e altura com a curva referente a pressão de ensaio do seu projeto.

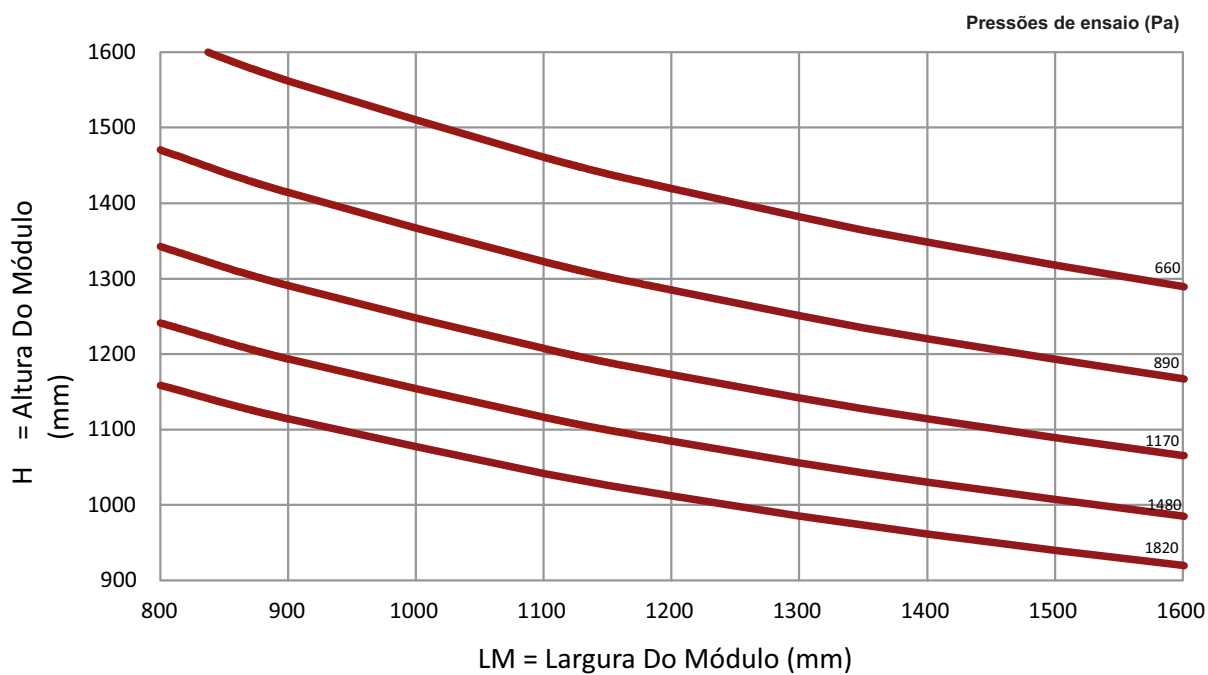
Notas:

* Nos gráficos de desempenho, foram considerados as pressões de ensaio e segurança de acordo com a norma ABNT NBR 10.821. Para edificações com especificações, localização, necessidades e/ou exigências especiais de utilização, deve-se consultar a ABNT NBR 6123 para determinação da pressão de projeto (Pp) e pressão de ensaio (Pe), prevalecendo como mínimos os valores acima.

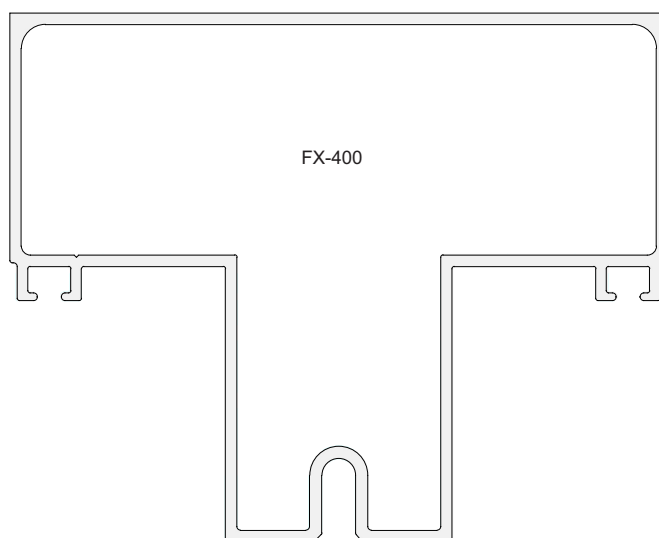
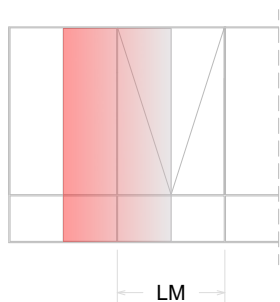
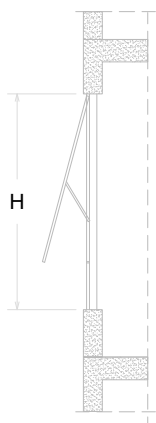
* Para cálculo dos vidros, devemos utilizar a pressão de segurança requerida para a esquadria, conforme orientado na ABNT NBR 7199 e ABNT NBR 10821.



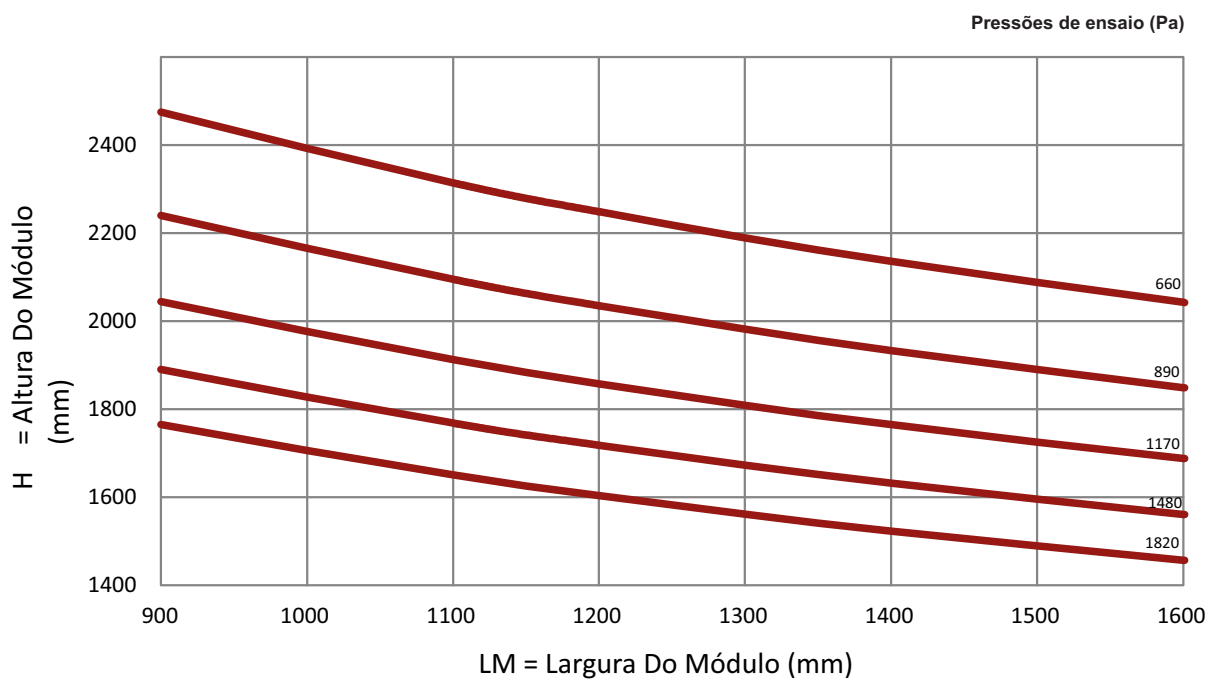
Tensão Admissível : 7 Kg / mm²
 Flecha Admissível : H/175 ou 30mm



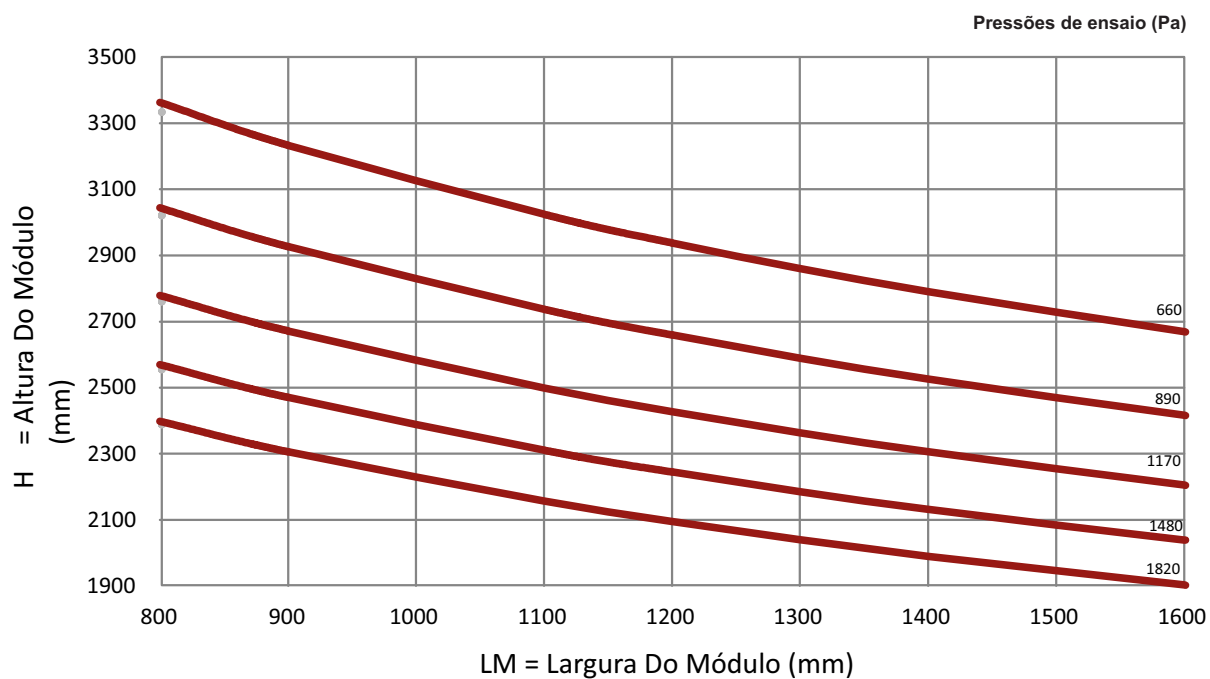
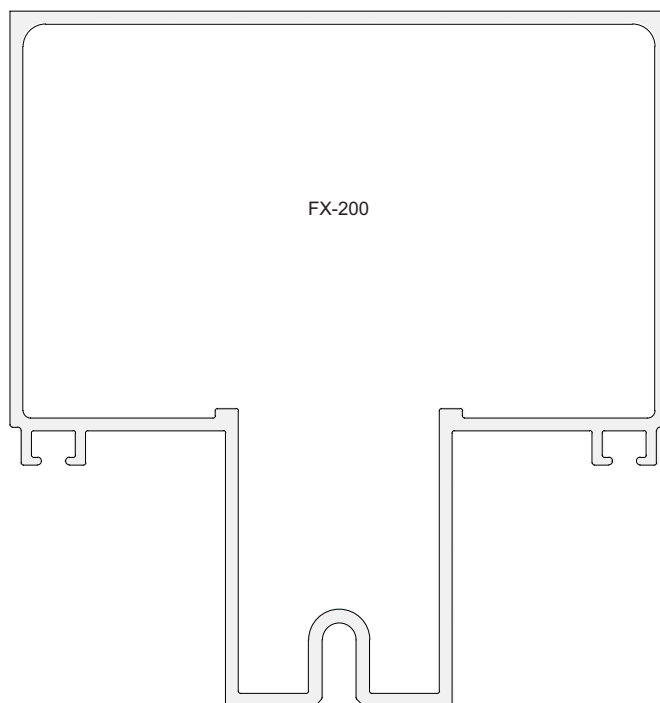
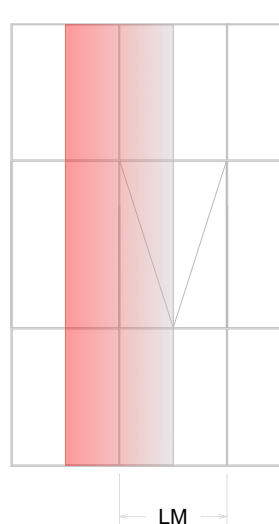
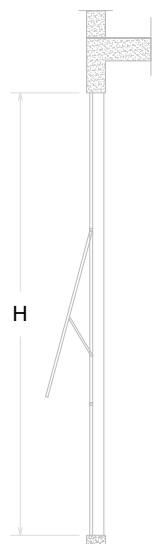
Jx= 29,87 cm⁴
Jy= 40,54 cm⁴
Wx= 7,56 cm³
Wy= 9,31 cm³

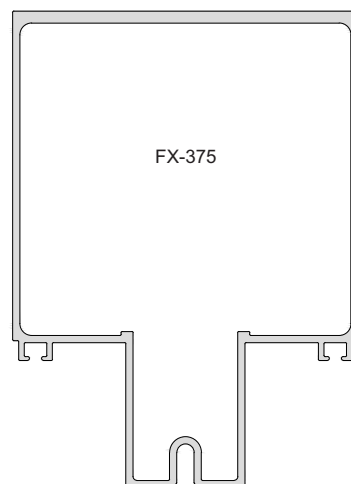
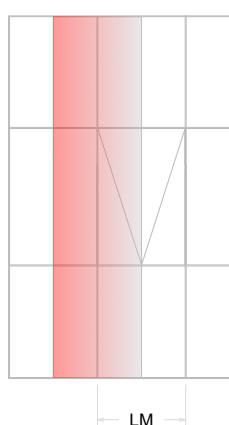
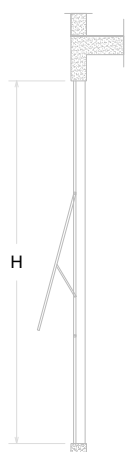


Tensão Admissível : 7 Kg / mm²
Flecha Admissível : H/175 ou 30mm



Jx= 66,64 cm⁴
 Jy= 58,24 cm⁴
 Wx= 13,62 cm³
 Wy= 13,38 cm³

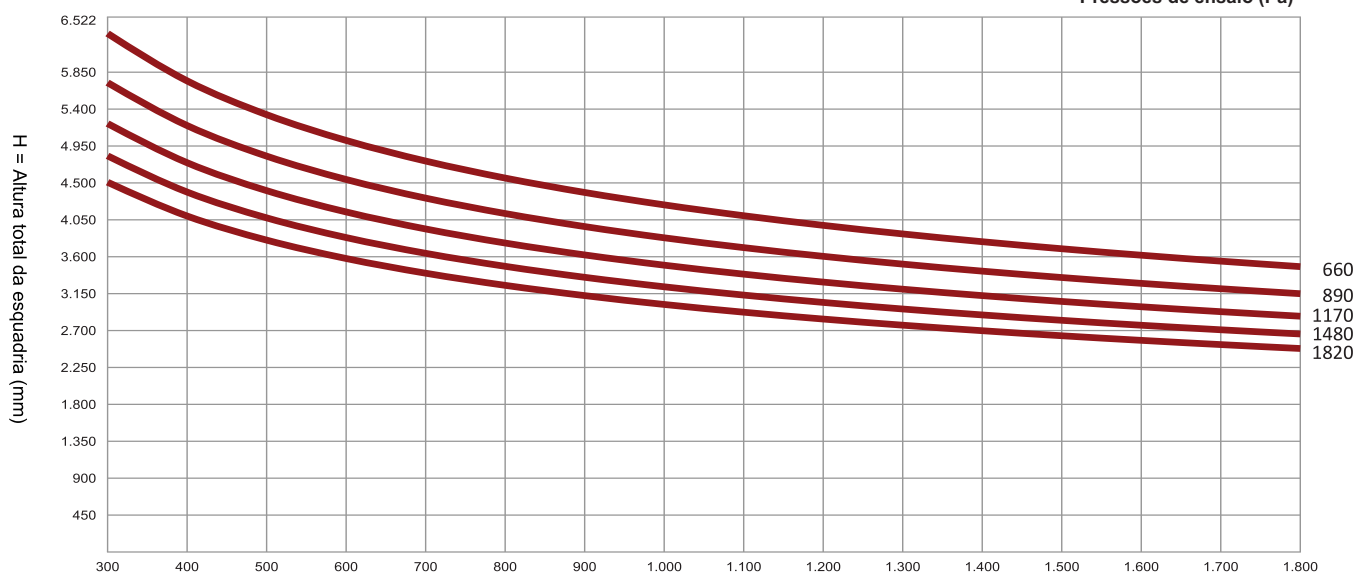




$Jx = 166,09 \text{ cm}^4$
 $Jy = 86,04 \text{ cm}^4$
 $Wx = 24,49 \text{ cm}^3$
 $Wy = 19,78 \text{ cm}^3$

BI-APOIADO

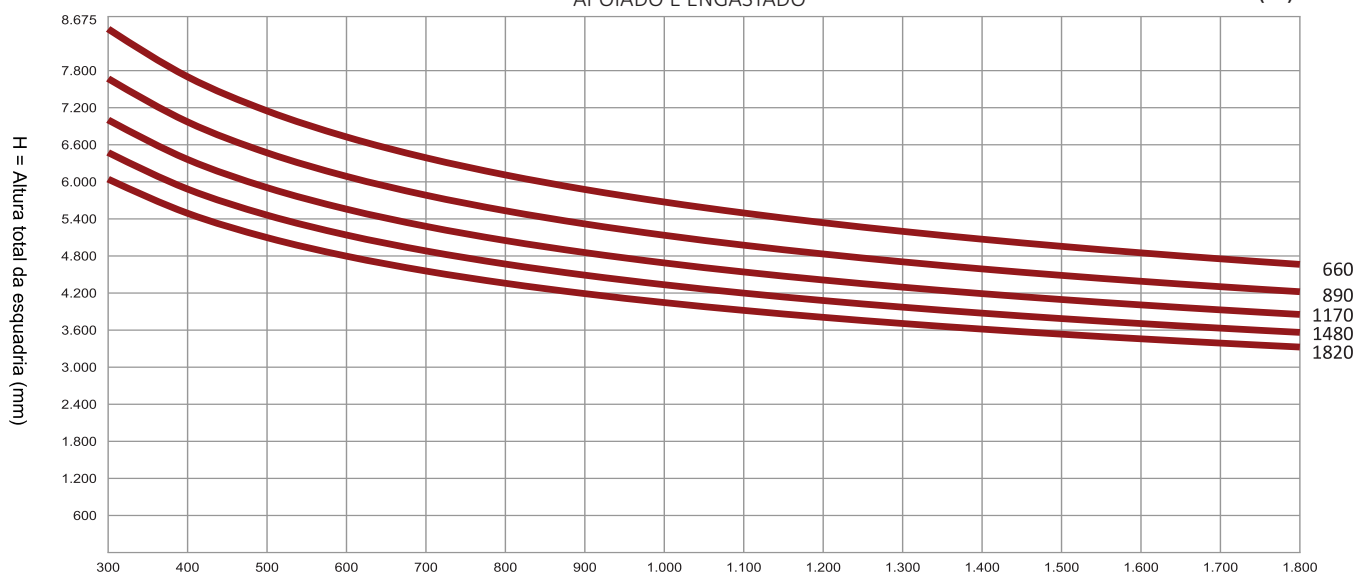
Pressões de ensaio (Pa)



L = Largura total de 01 Folha (mm)

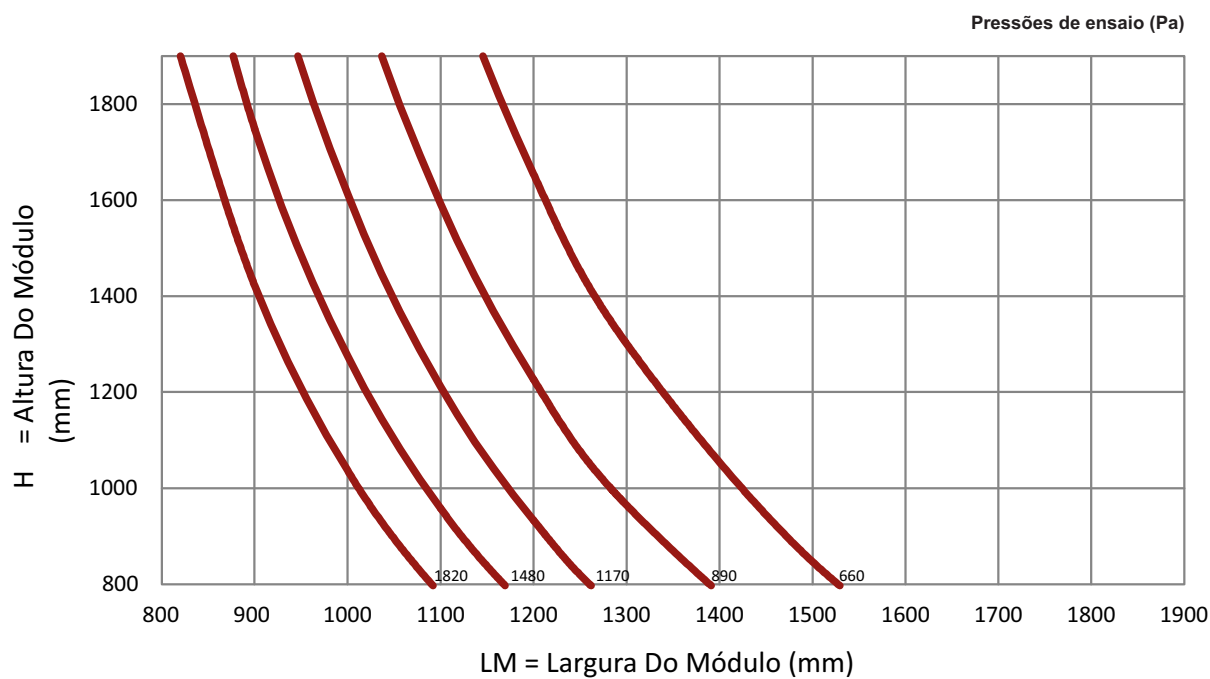
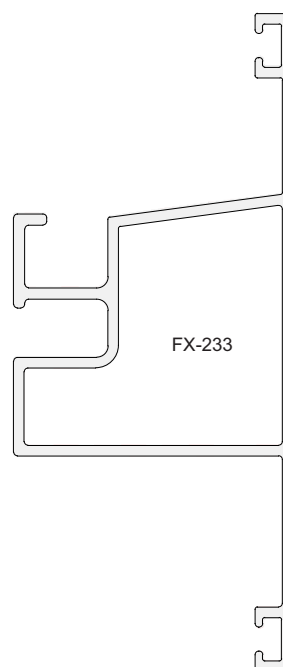
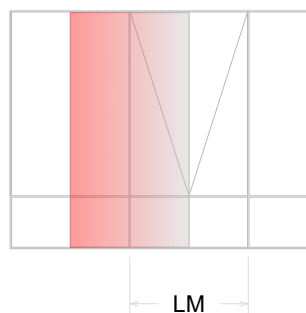
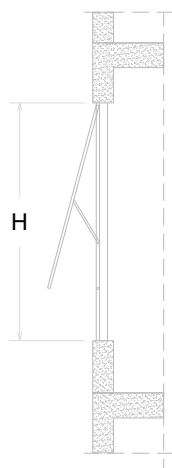
APOIADO E ENGASTADO

Pressões de ensaio (Pa)

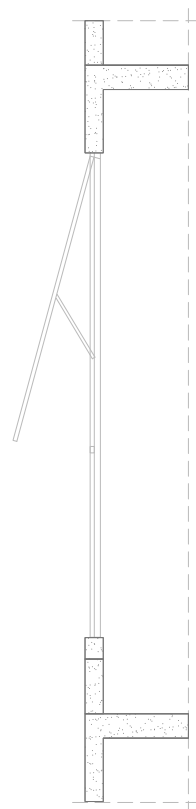
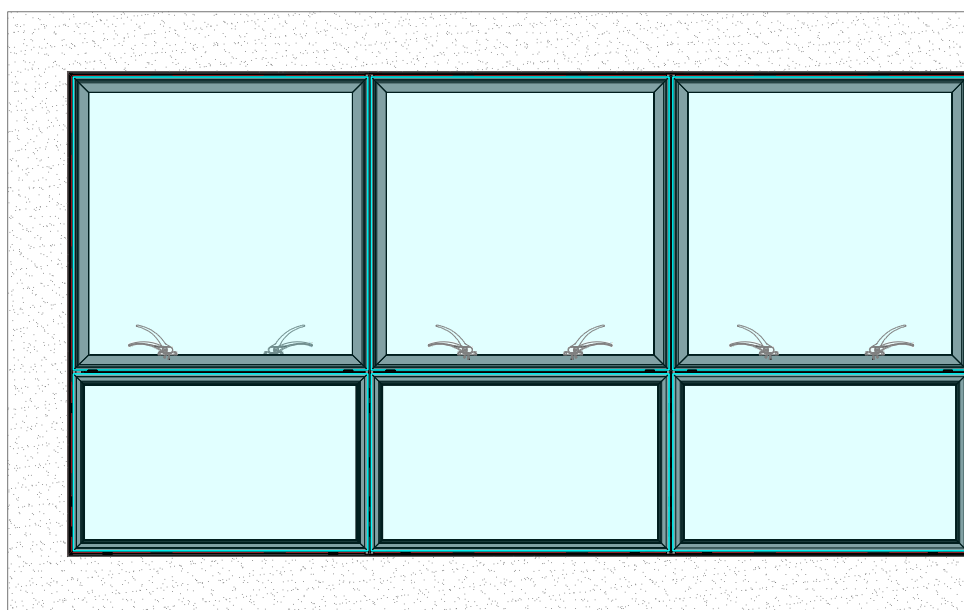
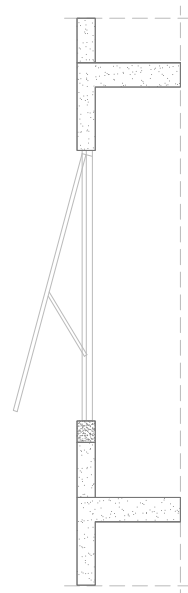
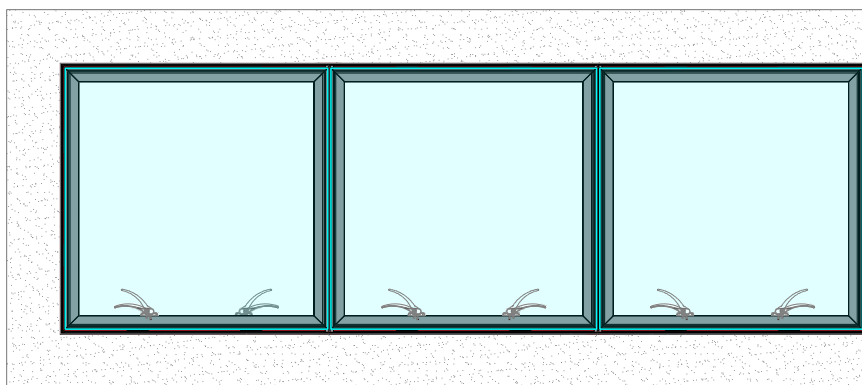


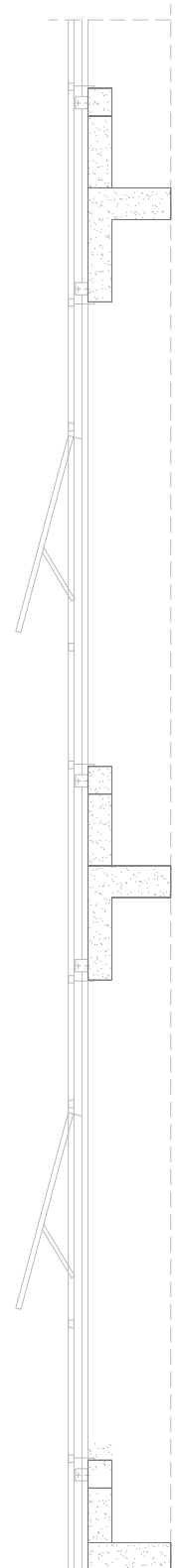
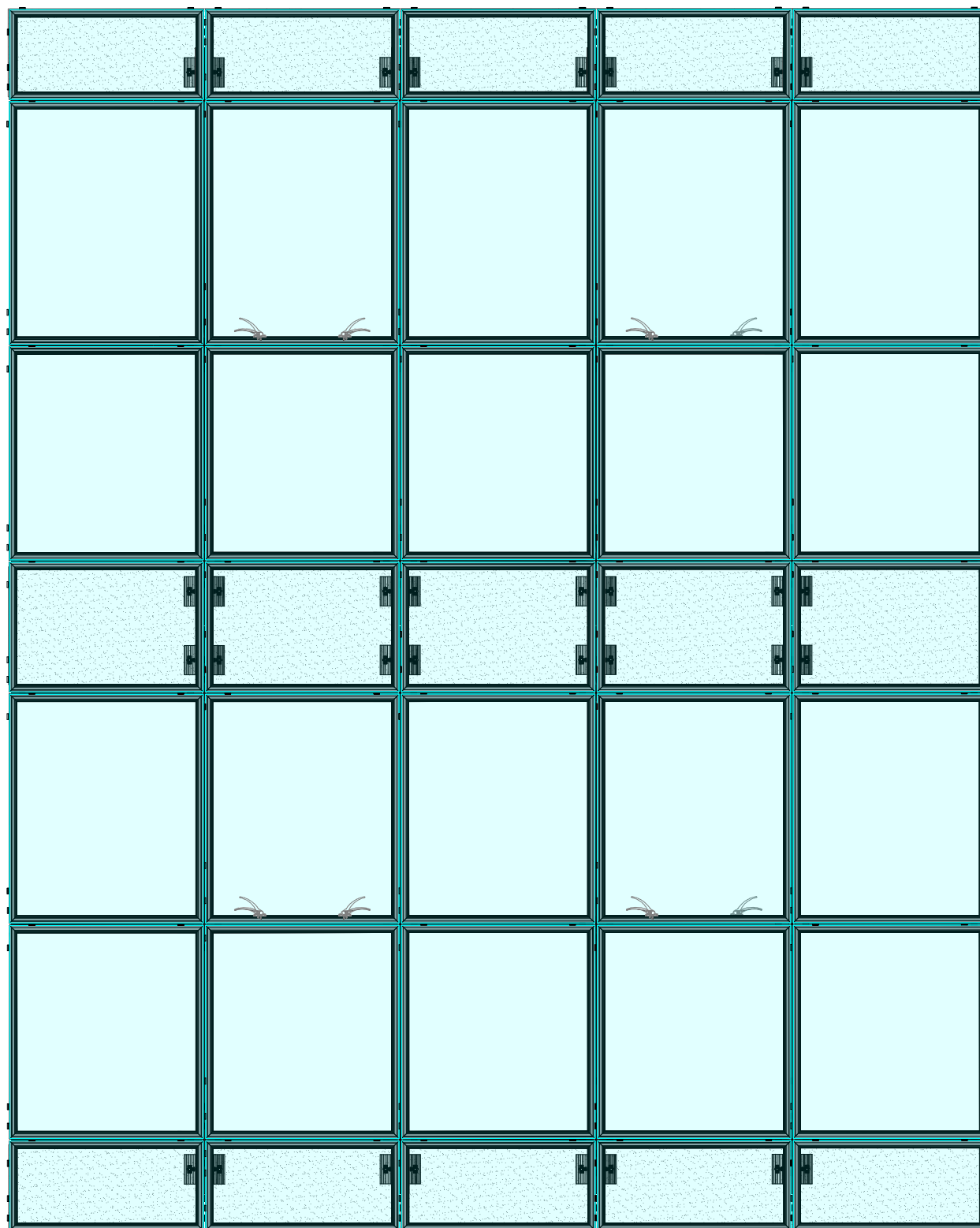
L = Largura total de 01 Folha (mm)

Jx=	14,41 cm ⁴
Jy=	6,26 cm ⁴
Wx=	3,26 cm ³
Wy=	2,70 cm ³



Fachadas Entre Vãos

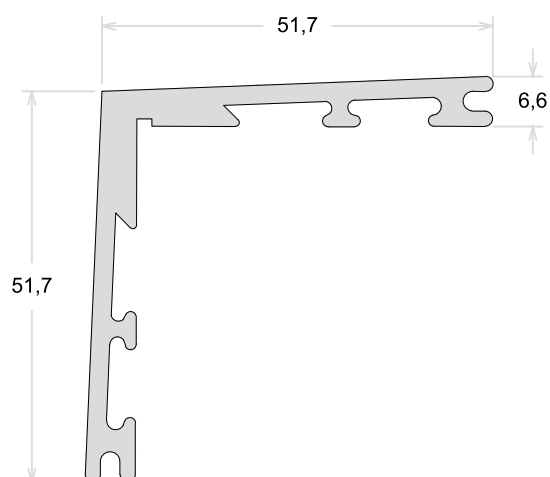




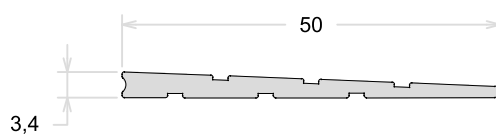
ANC-051	27	FX-512	22
CD-004	28	FX-515	21
CL-006	14	SGS-001	25
CL-011	14	SGS-002	25
FX-200	16	SGS-003	25
FX-204	15	SGS-004	25
FX-211	20	SGS-005	26
FX-223	16	SGS-006	26
FX-226	29		
FX-227	29		
FX-233	20		
FX-236	19		
FX-237	31		
FX-238	30		
FX-239	30		
FX-240	29		
FX-247	29		
FX-260	20		
FX-265	30		
FX-269	28		
FX-273	28		
FX-278	23		
FX-279	24		
FX-294	20		
FX-299	31		
FX-300	31		
FX-375	17		
FX-376	18		
FX-397	28		
FX-400	15		
FX-511	22		

CL-006

PESO 1,114 kg/m
Cantoneira 45°

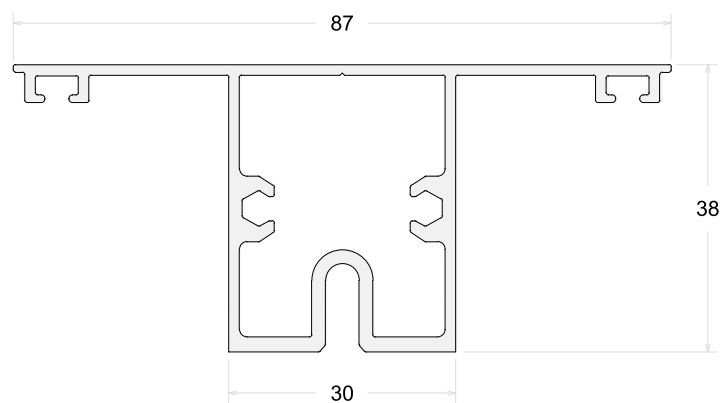
**CL-011**

PESO 0,330 kg/m
Cunha 45°

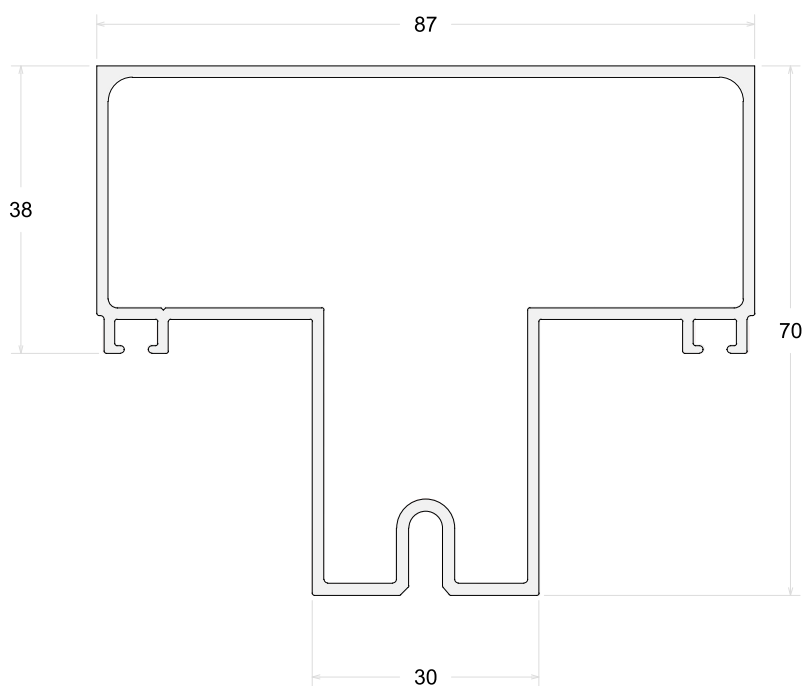


FX-204

PESO 1,111 kg/m
Coluna Central 38mm

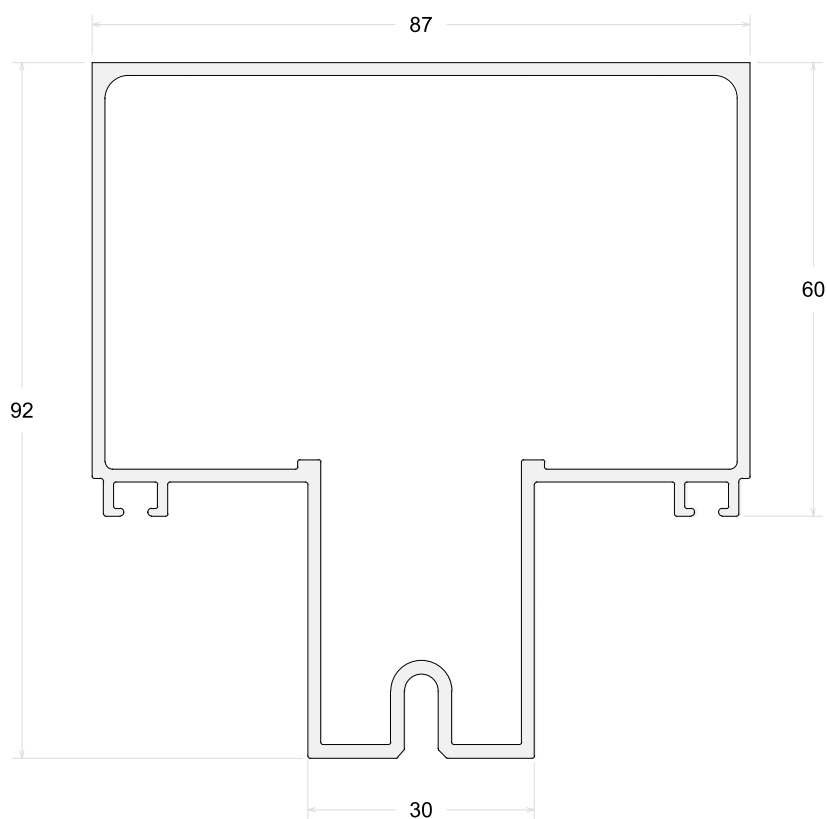
**FX-400**

PESO 1,533 kg/m
Coluna Central 70mm

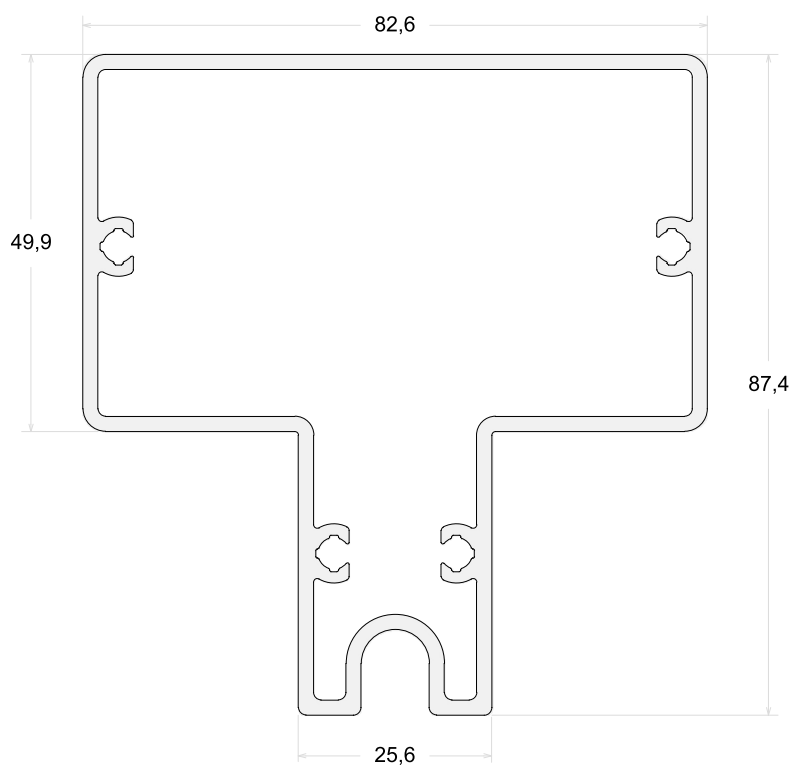


FX-200

PESO 1,953 kg/m
Coluna Central 92mm

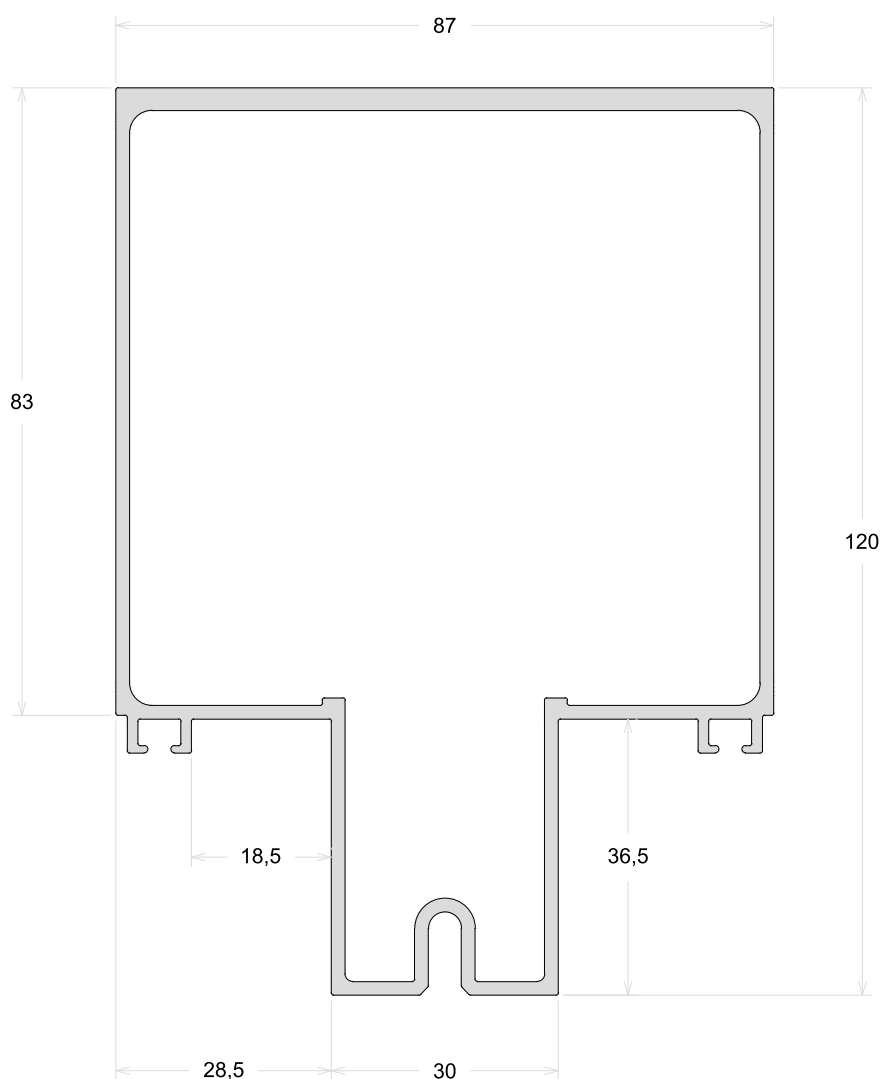
**FX-223**

PESO 2,227 kg/m
Luva Da Coluna Central 92mm



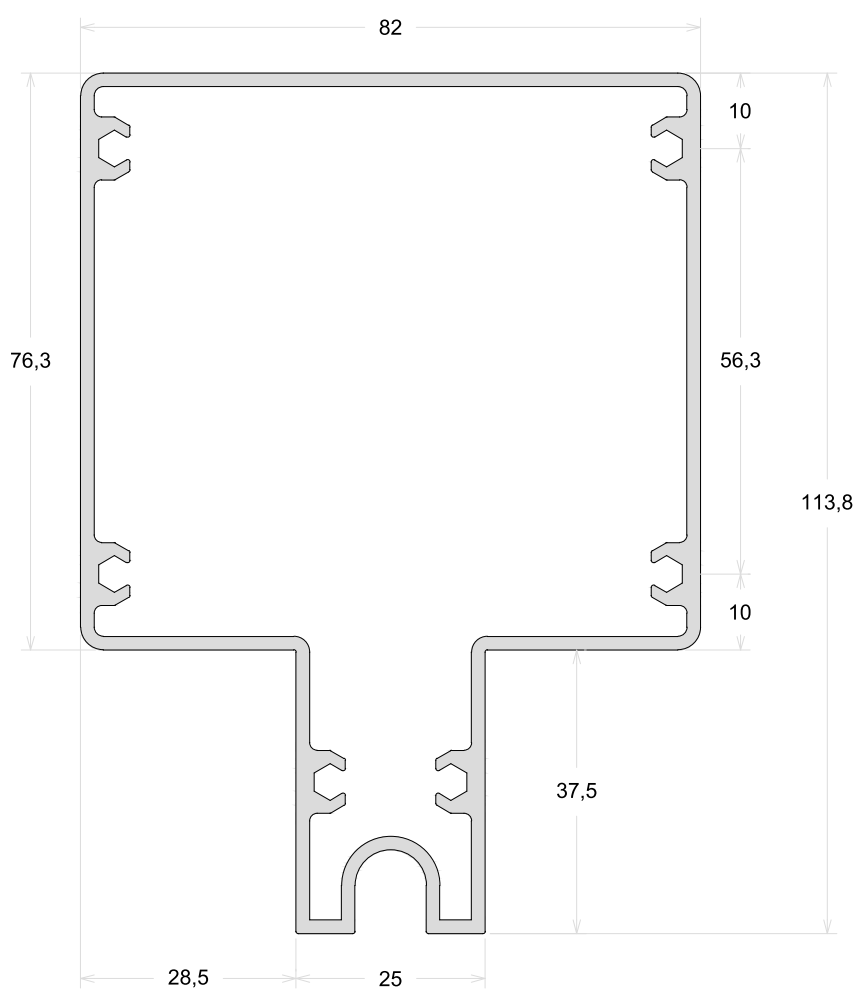
FX-375 *

PESO 2,635 kg/m
Coluna Central 120mm



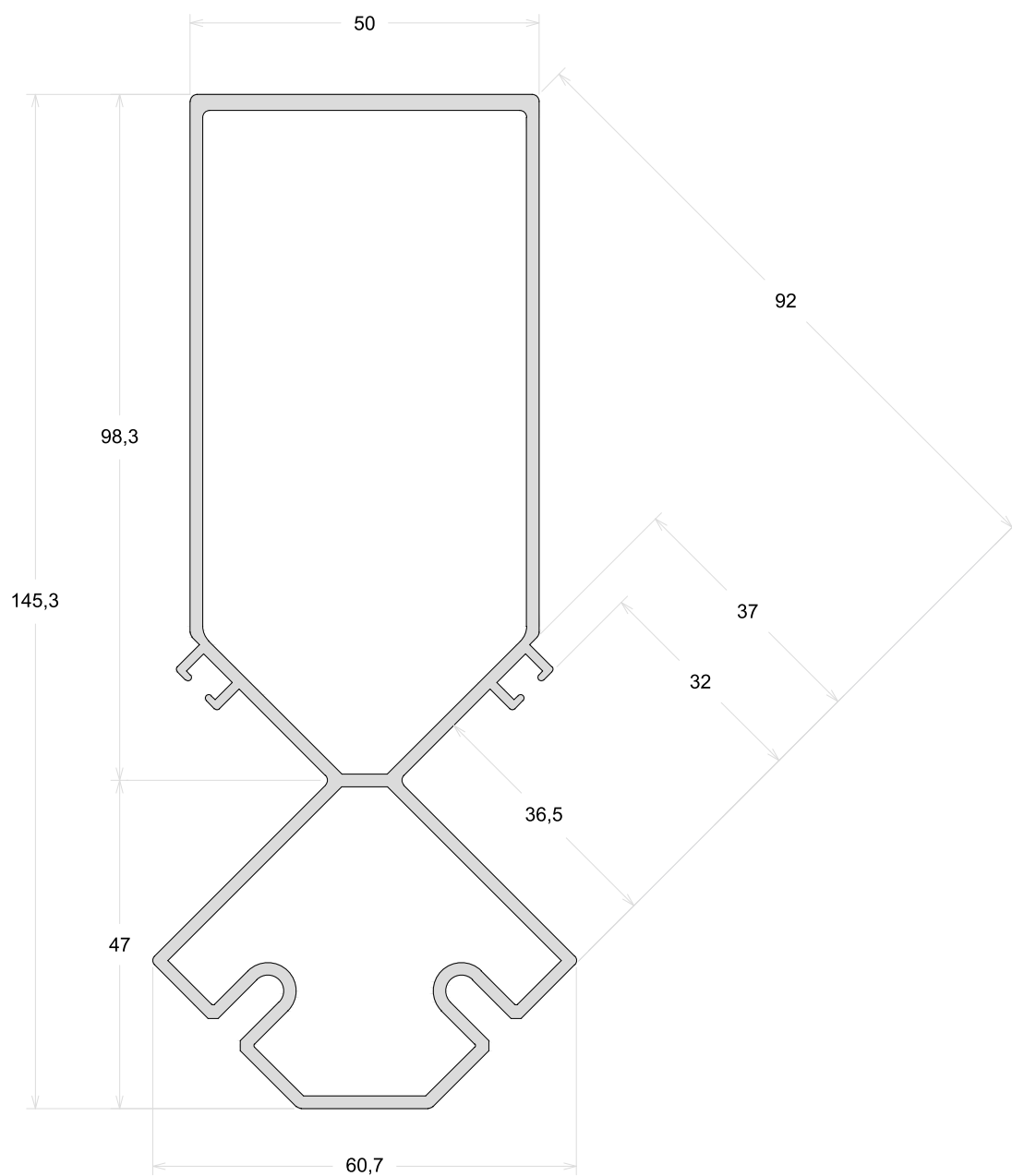
FX-376 *

PESO 2,409 kg/m
Luva Da Coluna Central 120mm



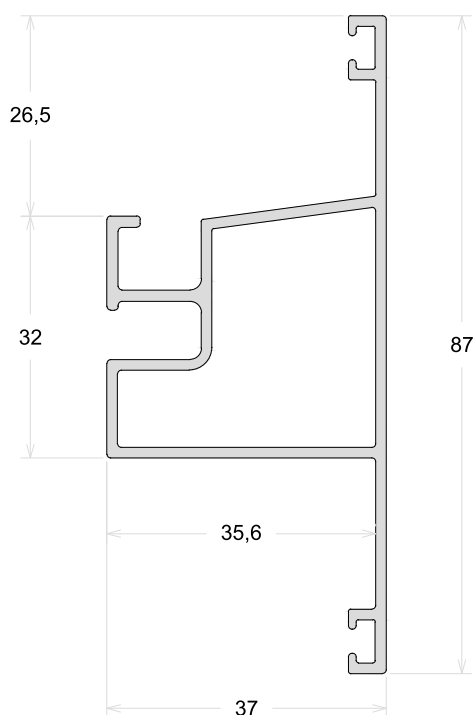
FX-236

PESO 2,460 kg/m
Coluna De Canto 90°

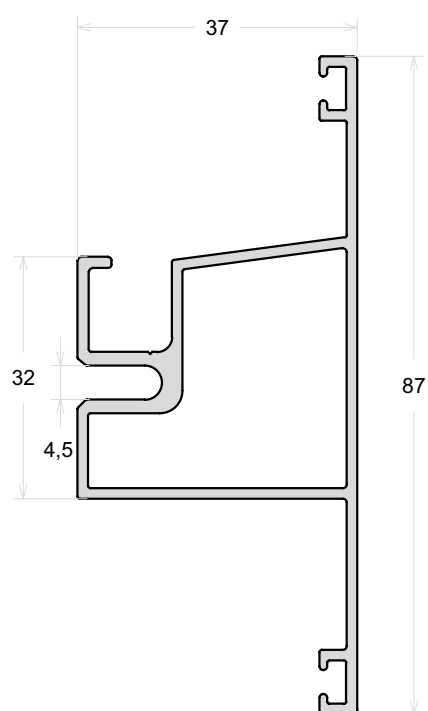


FX-233

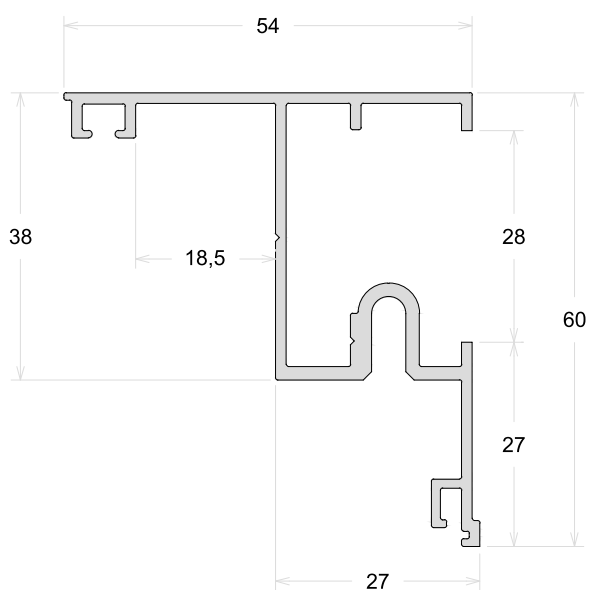
PESO 0,948 kg/m
Travessa

**FX-211**

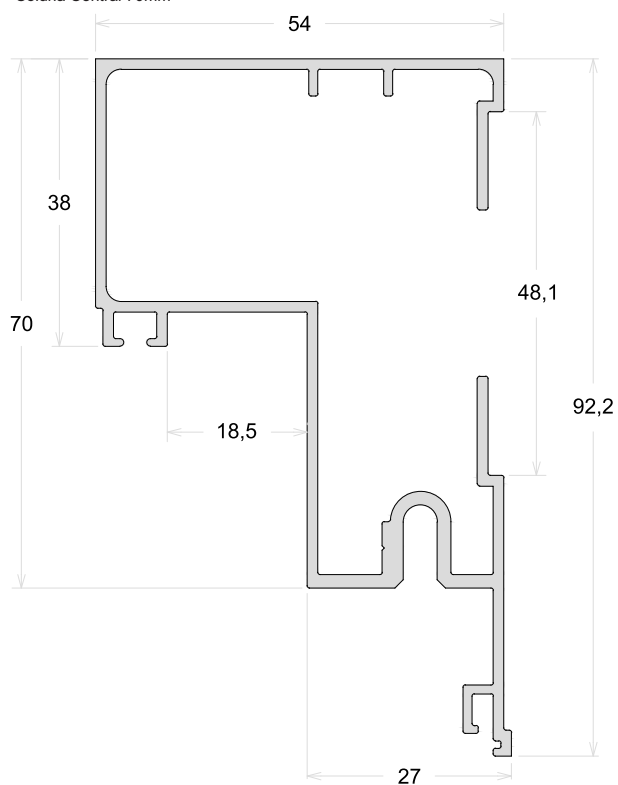
PESO 0,999 kg/m
Travessa

**FX-294**

PESO 0,828 kg/m
Marco Para Coluna 38mm

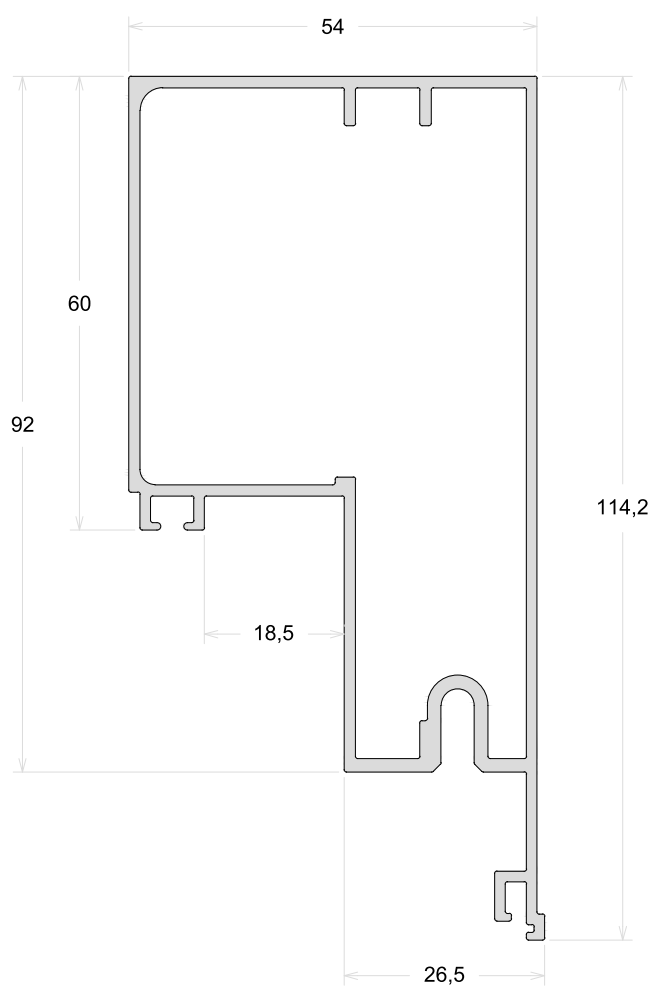
**FX-260**

PESO 1,262 kg/m
Coluna Central 70mm



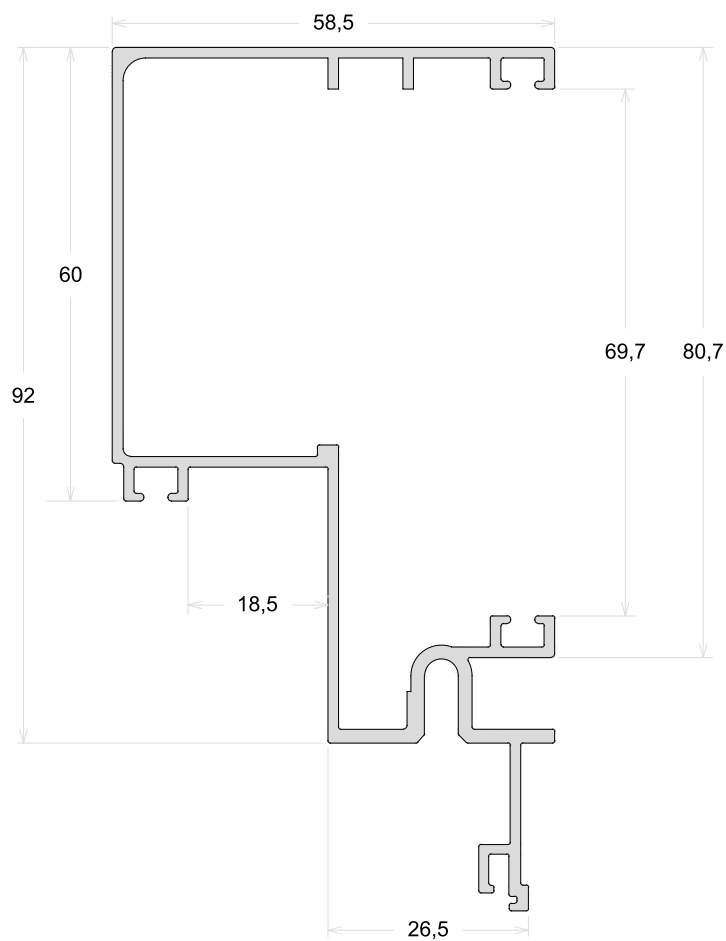
FX-515

PESO 1,588 kg/m
Marco Para Coluna 92mm

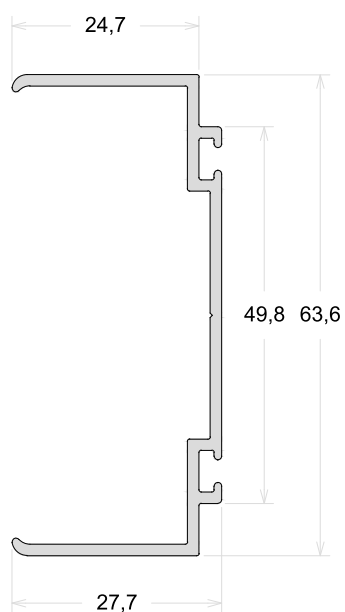


FX-511

PESO 1,336 kg/m
Marco Telescópico 92mm

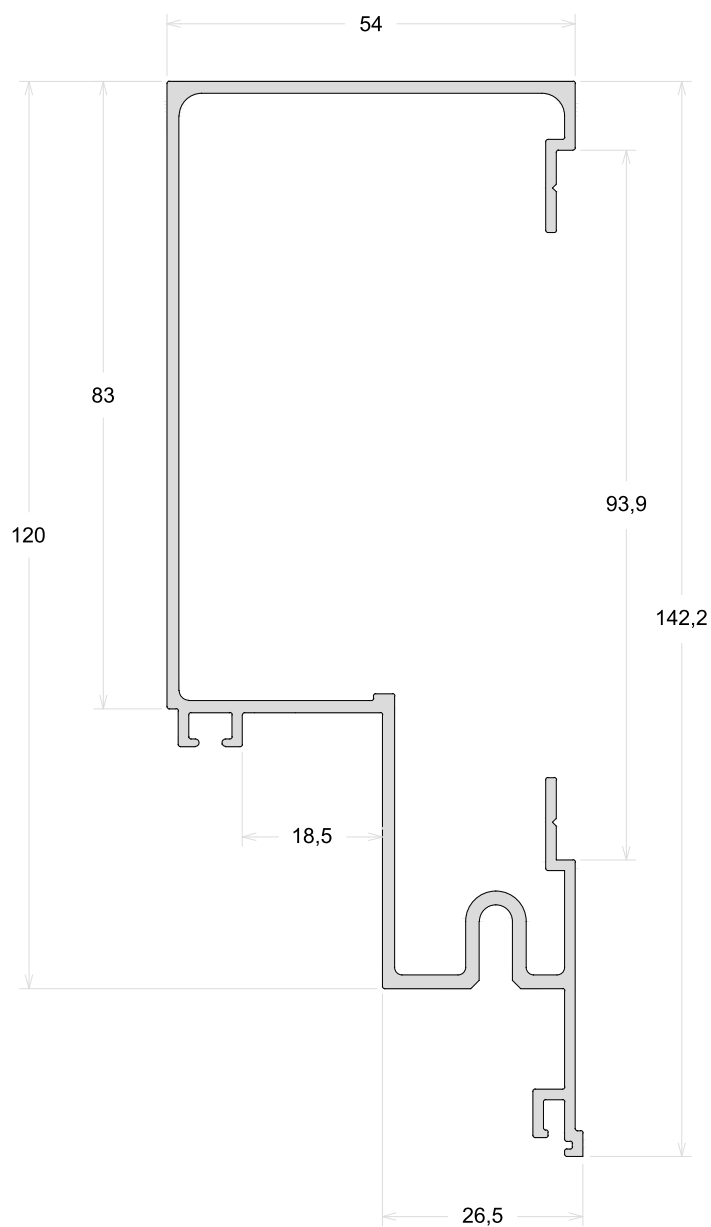
**FX-512**

PESO 0,545 kg/m
Luva Telescópica



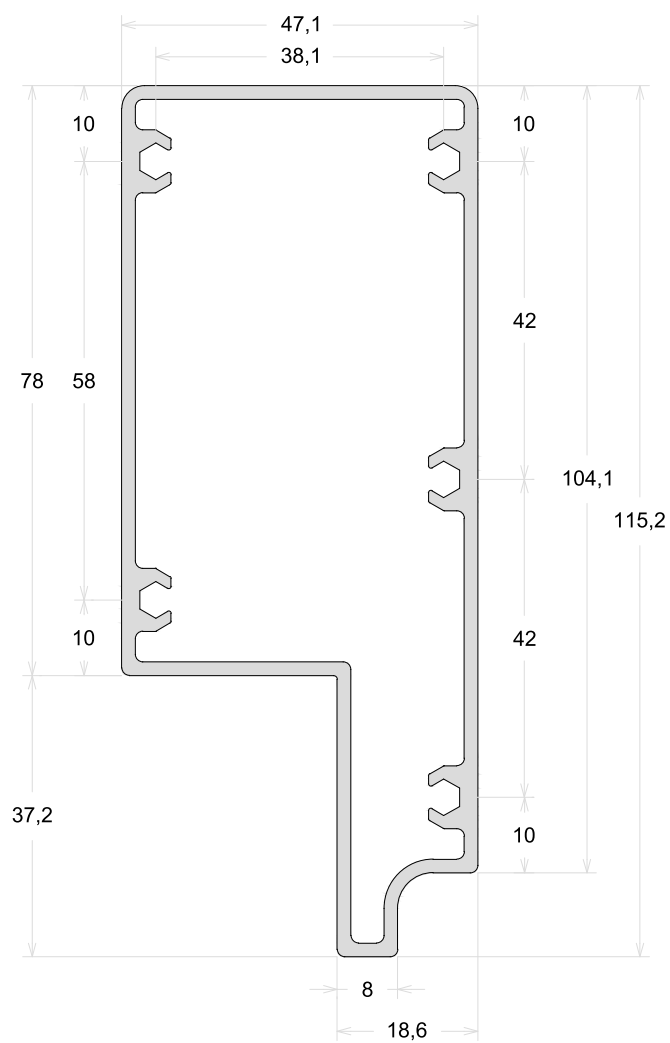
FX-278

PESO 1,554 kg/m
Marco Para Coluna 120mm



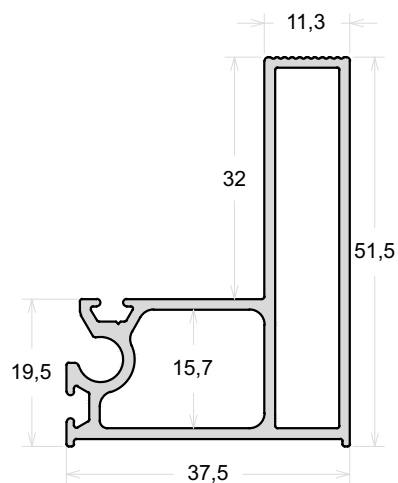
FX-279

PESO 1,953 kg/m
Luva Do Marco 120mm



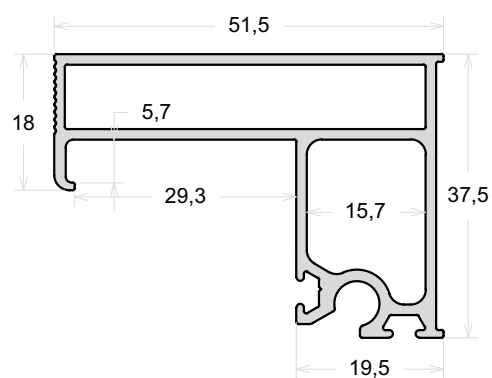
SGS-001

PESO 0,812 kg/m
Montante Vertical - Folha Silicone



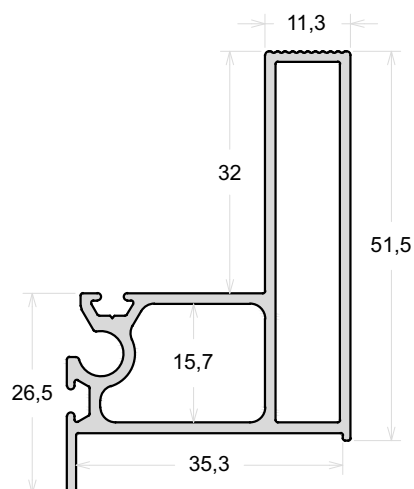
SGS-002

PESO 0,845 kg/m
Montante Horizontal - Folha Silicone



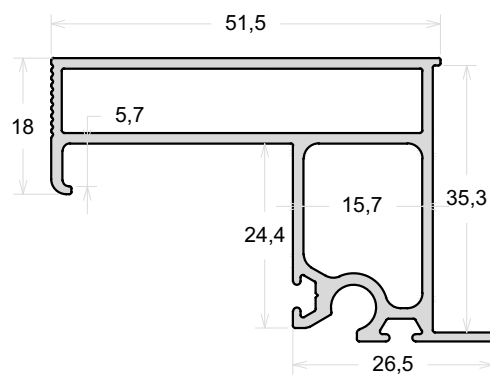
SGS-003

PESO 0,838 kg/m
Montante Vertical - Folha Fita VHB



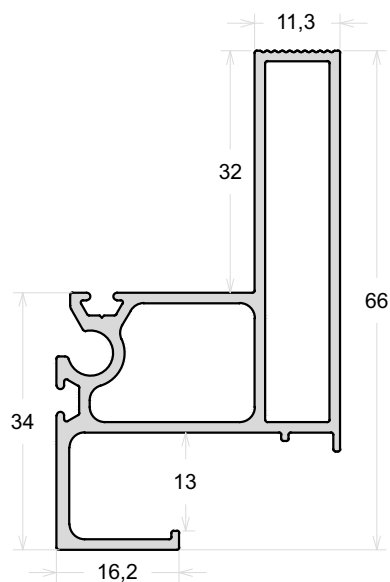
SGS-004

PESO 0,869 kg/m
Montante Horizontal - Folha Fita VHB

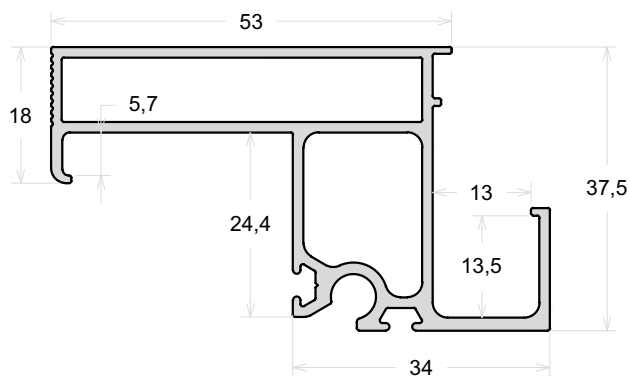


SGS-005 *

PESO 0,958 kg/m
Montante Vertical - Folha Caxilho

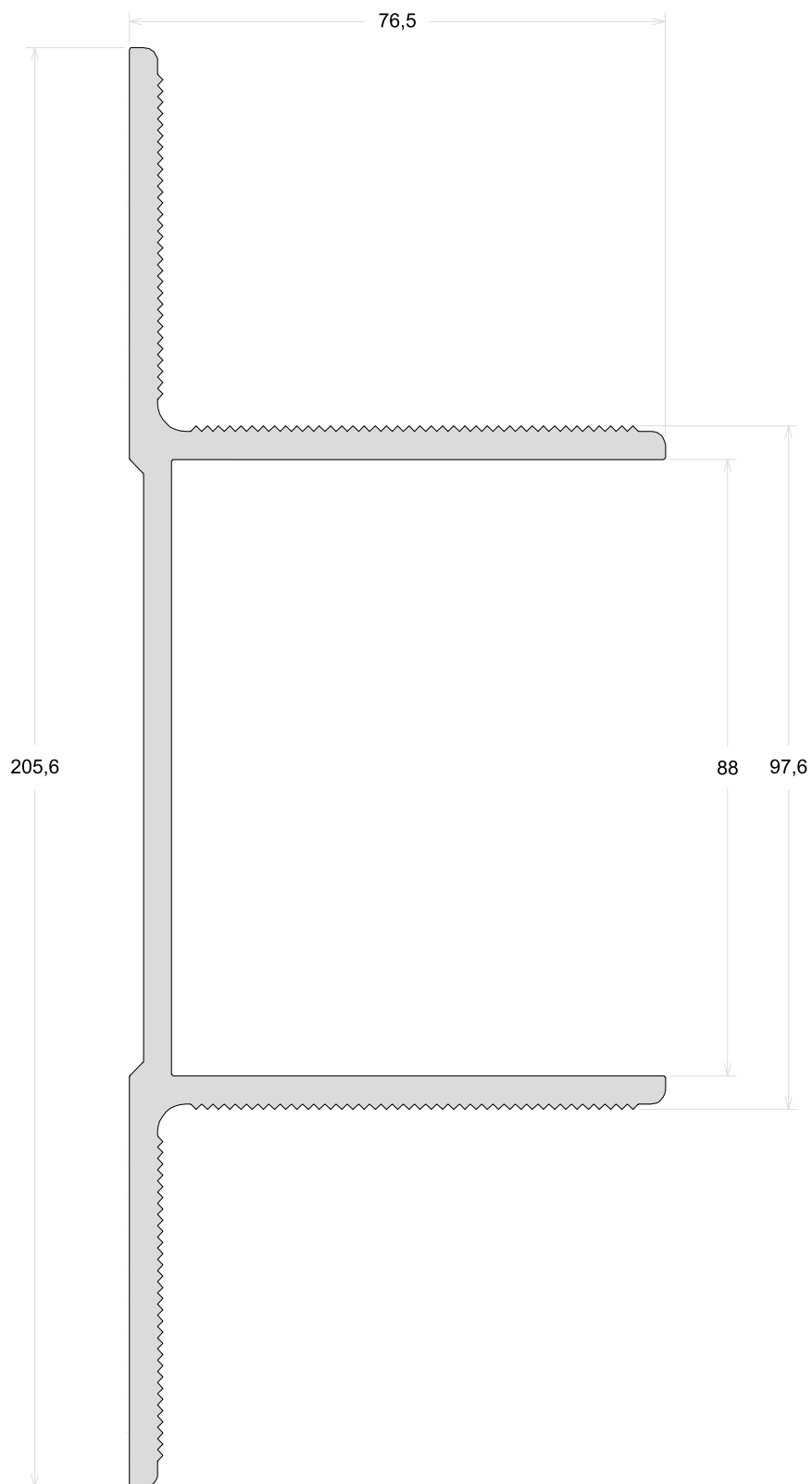
**SGS-006 ***

PESO 0,989 kg/m
Montante Horizontal - Folha Caxilho



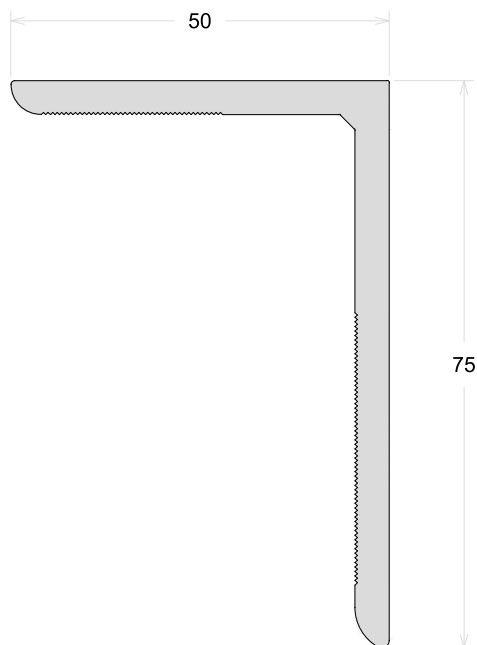
ANC-051

PESO 4,343 kg/m
Ancoragem Central

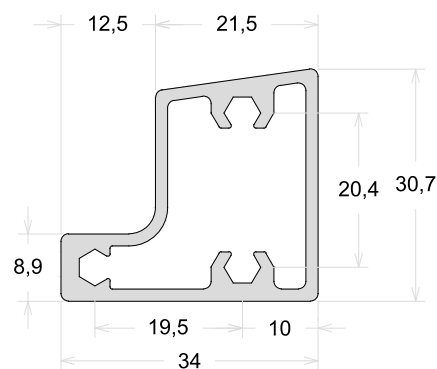


CD-004

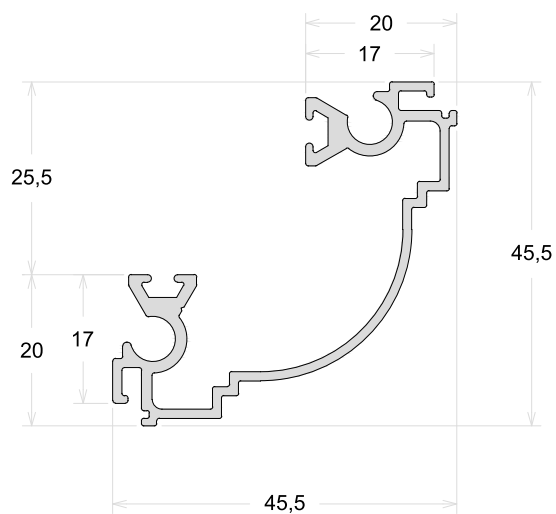
PESO 1,527 kg/m
Ancoragem Lateral

**FX-397 ***

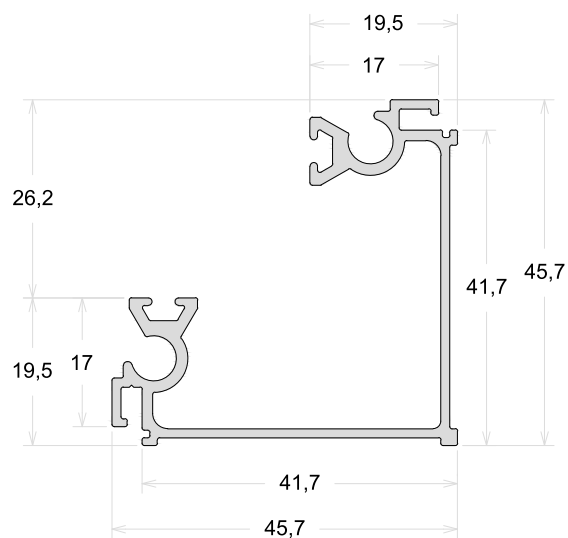
PESO 0,723 kg/m
Luva Da Travessa

**FX-273 ***

PESO 0,631 kg/m
Arremate Externo 90°

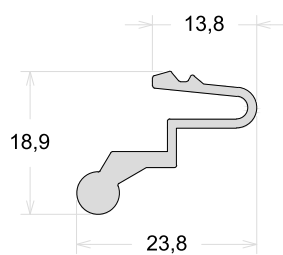
**FX-269 ***

PESO 0,667 kg/m
Arremate Externo 90°

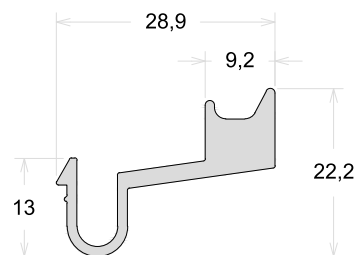


FX-227 *

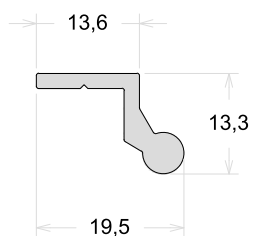
PESO 0,262 kg/m
Presilha Transversal

**FX-226 ***

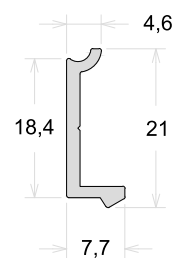
PESO 0,395 kg/m
Calço Da Folha Fixa

**FX-247**

PESO 0,205 kg/m
Presilha Lateral Do Fixo

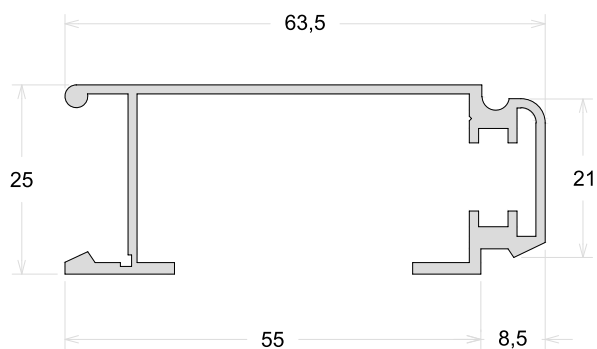
**FX-240 ***

PESO 0,140 kg/m
Presilha Do Arremate De Teto e Piso

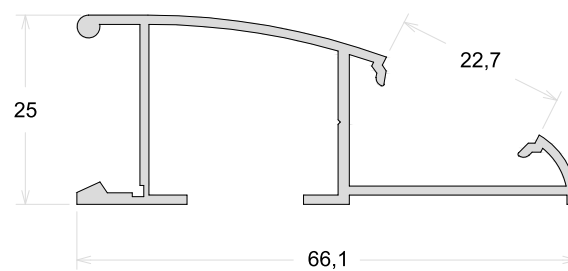


FX-239

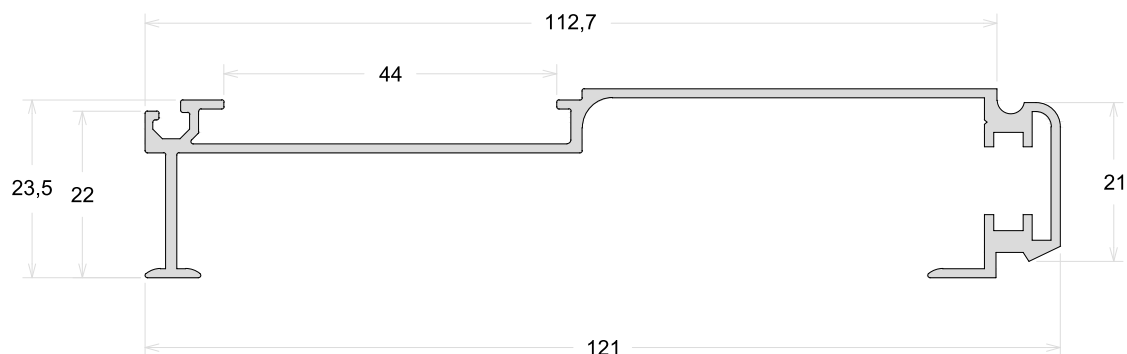
PESO 0,628 kg/m
Complemento Do Arremate

**FX-238**

PESO 0,555 kg/m
Arremate De Teto e Piso

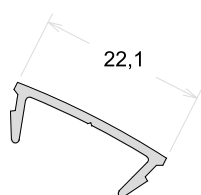
**FX-265**

PESO 0,858 kg/m
Complemento Do Arremate

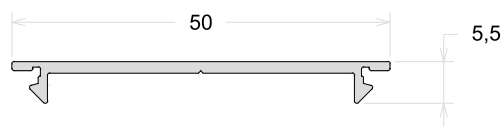


FX-237

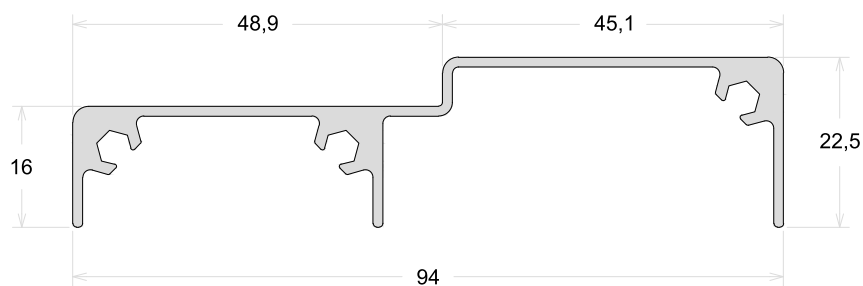
PESO 0,124 kg/m
Click Do Arremate

**FX-299**

PESO 0,240 kg/m
Click Do Complemento FX-265

**FX-300 ***

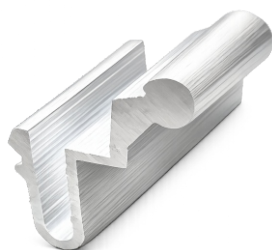
PESO 0,847 kg/m
Luva Do Complemento FX-265



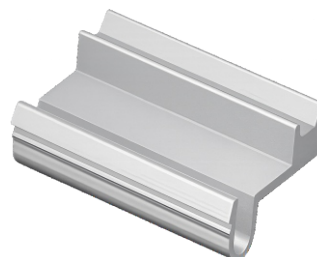
056623	34
ALCOOL1L	34
Dx900	36
FAA-202	35
FAA-208	33
FAA-250	35
FIT25X20	34
GUA-253	35
PARM5	35
PRE205	33
PRE206	33
PRE207	33
PRI200	34
SILICONE NEUTRO	36

PRE-206

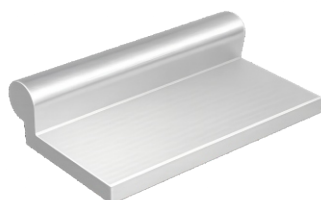
Presilha Fixação Superior Do Quadro

**PRE-207**

Presilha De Apoio Quadro Fixo

**PRE-205**

Presilha Lateral

**FAA-208**

Luva Da Travessa



ALCOOL1L

Alcool Isopropílico - 1l

**PRI200**

Primer De Silano - 200ml

**056623**

Primer Ultra Glaze - 500ml

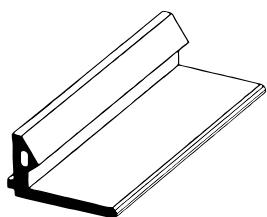
**FIT25X20**

Fita VHB

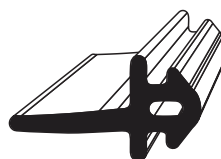


FAA-250

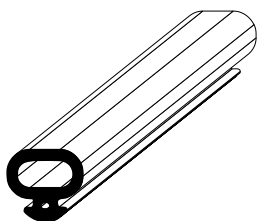
Calço Da Folha Fixa

**GUA-253**

Guarnição De EPDM

**FAA-202**

Guarnição De EPDM

**PARM5**

Fixação Da Presilha



Dx900

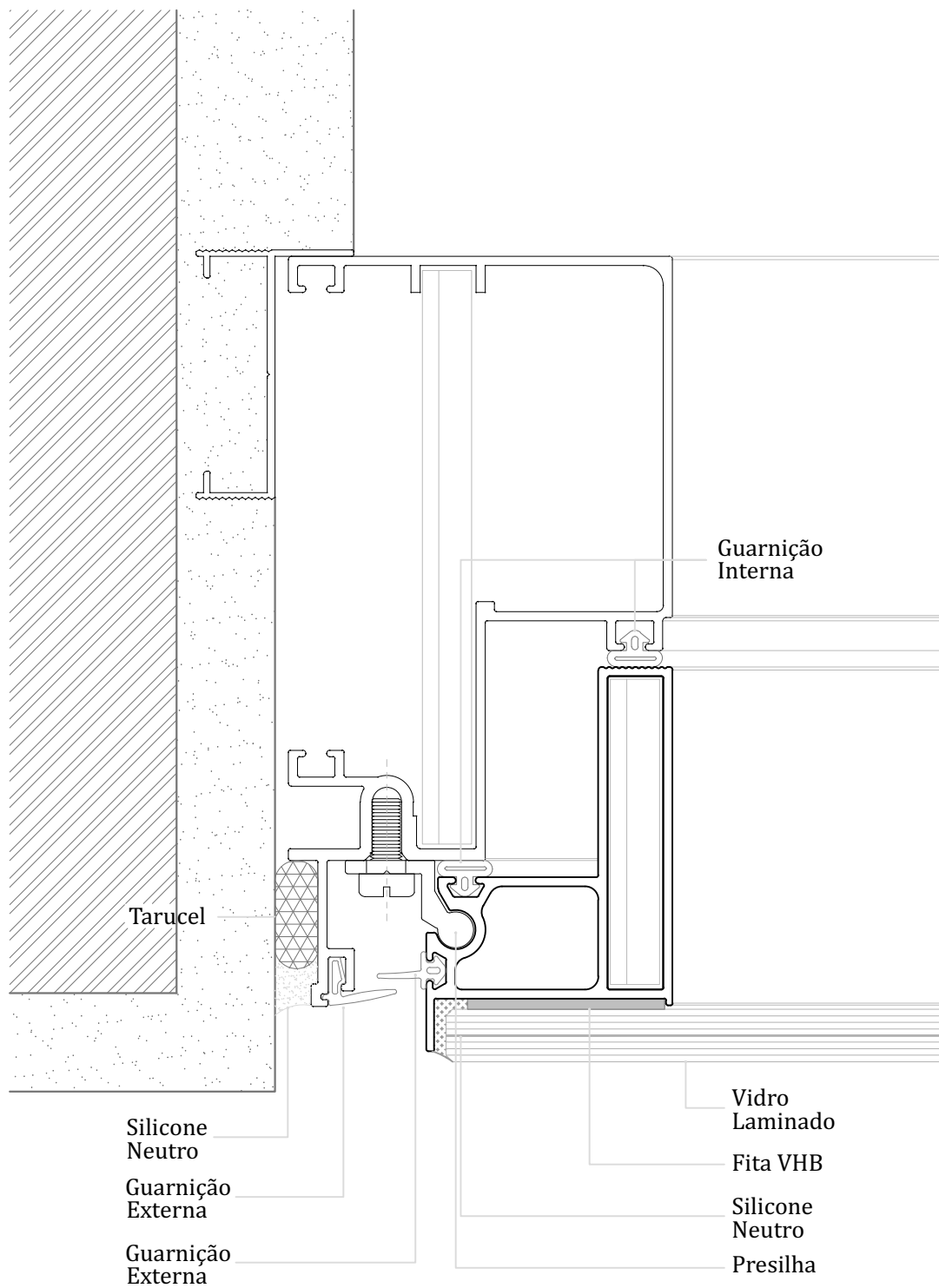
Selante Estrutural

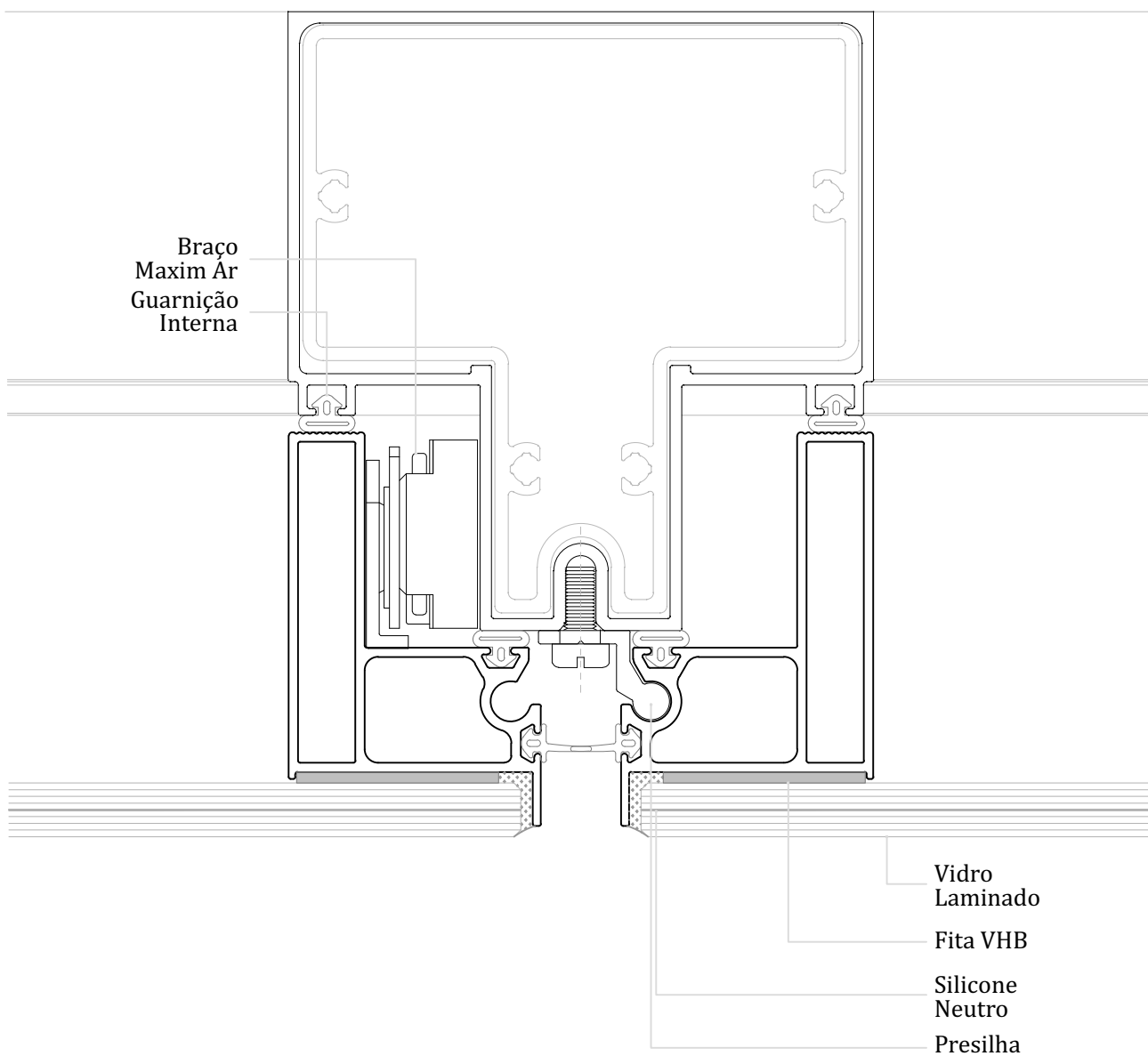
**SILICONE NEUTRO**

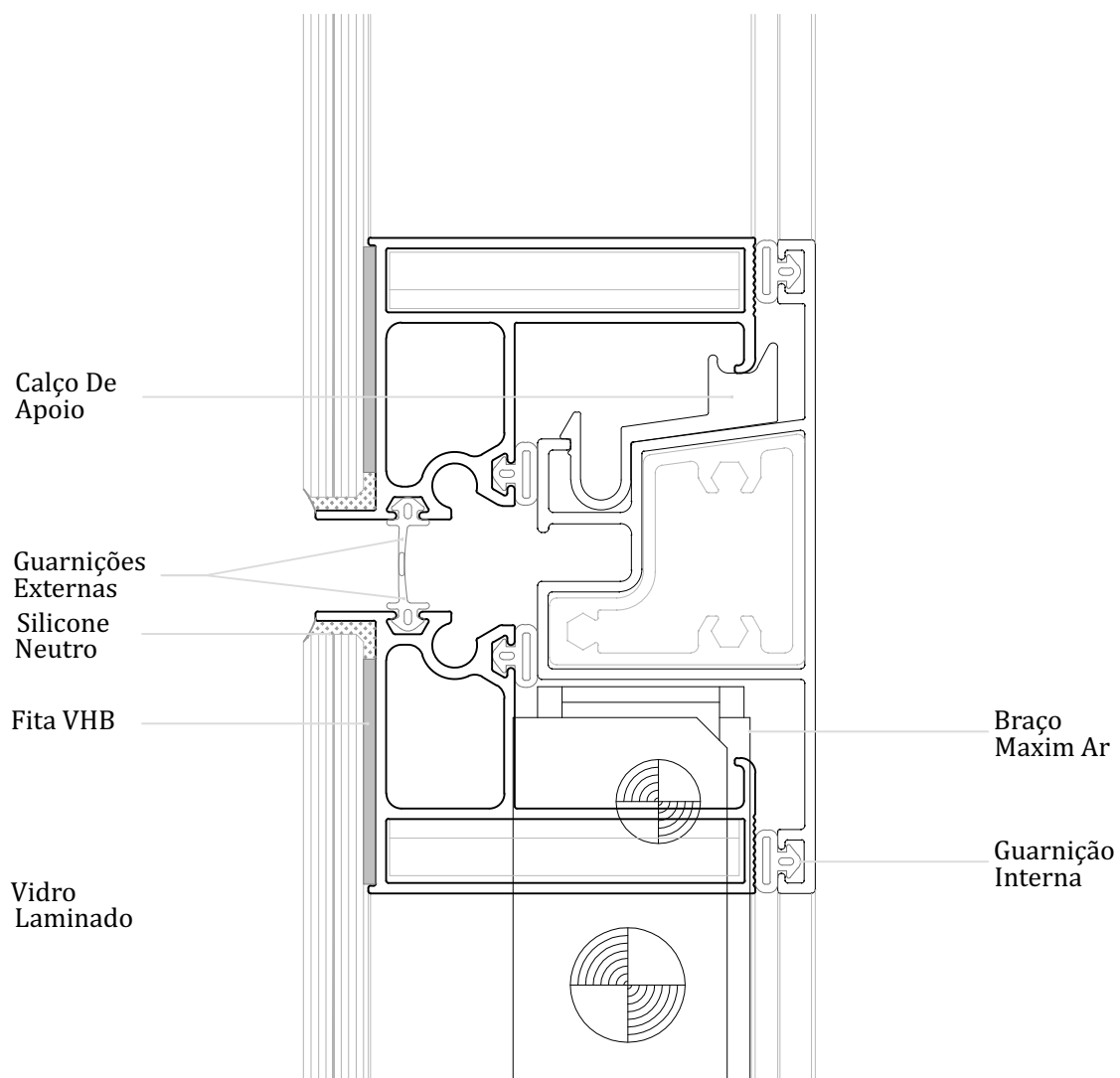
Silicone Neutro

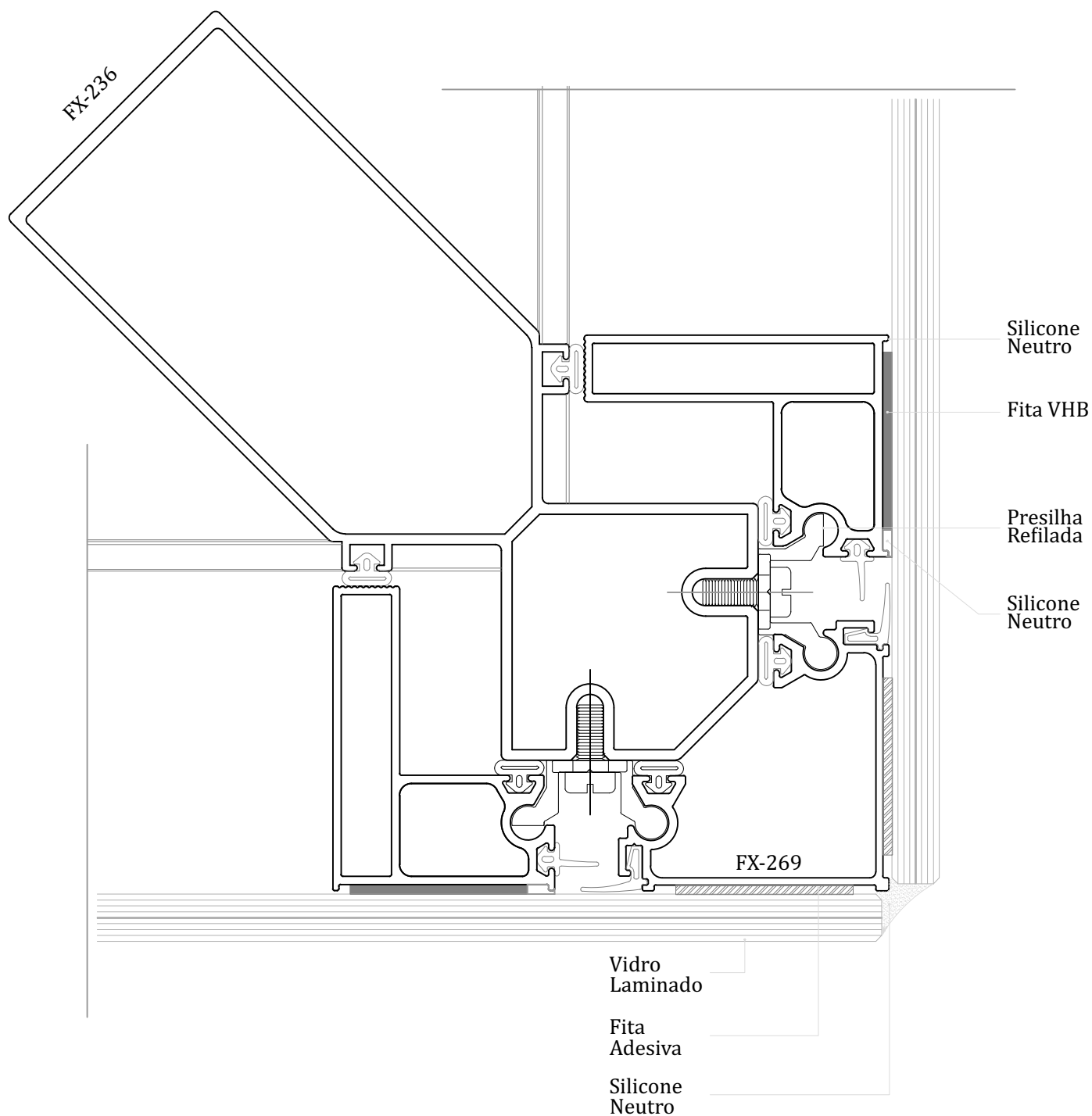


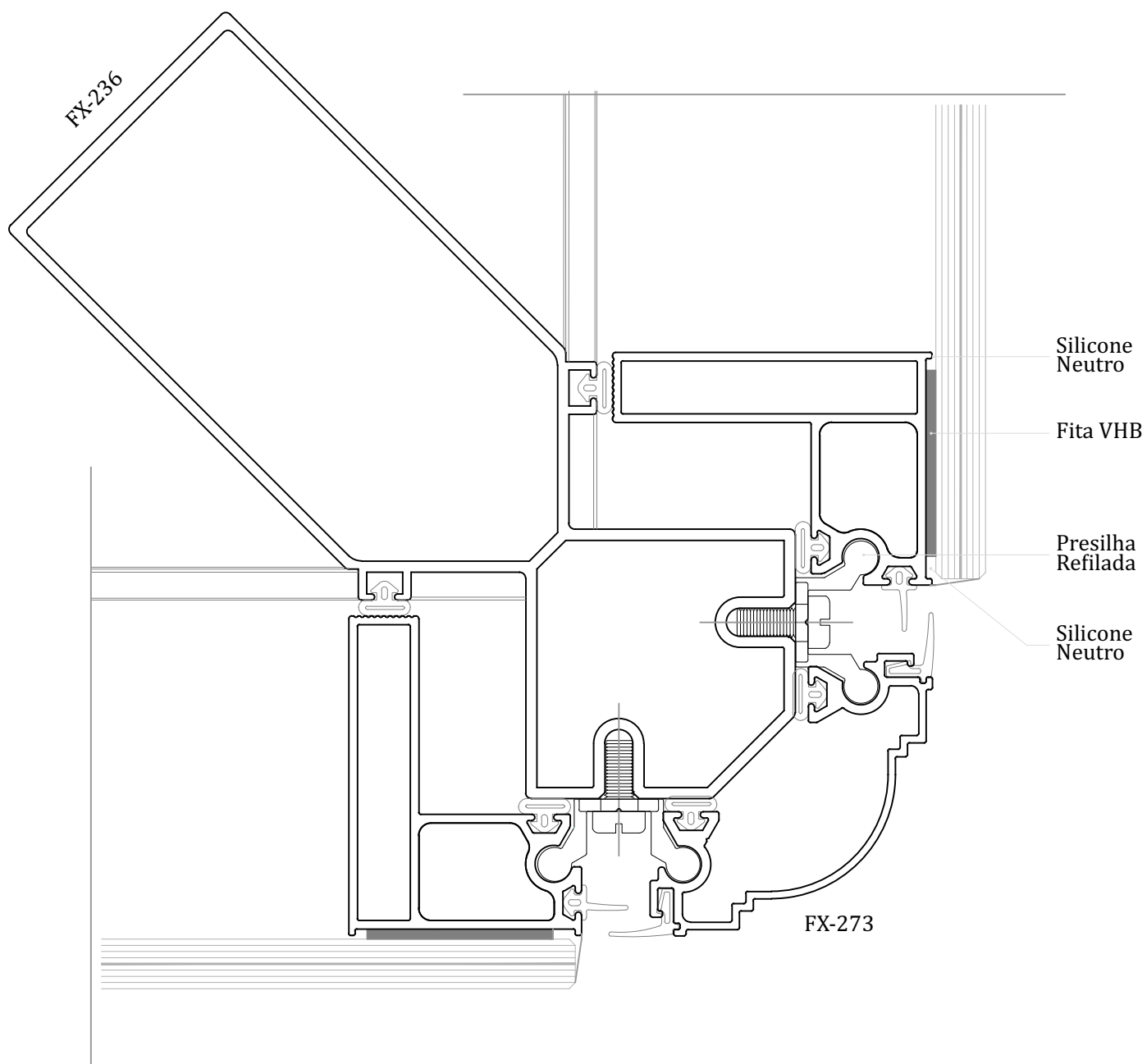
VISTA DETALHADA COLUNA	39
VISTA DETALHADA CANTO	41
VISTA DETALHADA CANTO	42
VISTA DETALHADA MARCO LATERAL	38
VISTA DETALHADA TRAVESSA	40













GRUPO
PERFISUD