Urban 40

BTF

batente CE fria 40mm

LOUSALU

BTF - Desempenho / Performance

ITT - Ensaio de tipo inicial - Organismo notificado nº. 0856 - LNEC/LEC

CE Norma EN 14351-1

ETI - Essai de type initial - Laboratoire notifié nº.

Permeabilidade ao Ar
Perméabilité à l'air
UNE-EN 12207

A: Classe 1 (150pa (50m3)) | Classe 2 (300pa (27m3)) | Classe 3 (600pa (9m3)) | **Classe 4 (600pa (3m3))**

Estanquicidade à Água
Étanchéité à l'eau
UNE-EN 12208

E: 1A (0pa) | 2A (50pa) | 3A (100pa) | 4A (150pa) | 5A (200pa) | 6A (250pa) | 7A (300pa) | 8A (450pa) | 9A (600pa) | **E750 (>600pa)**

Resistência ao Vento
Résistance au Vent
UNE-EN 12210

V: ≤1/150 A (400pa) 1 | ≤1/200 B (800pa) 2 | (1200pa) 3 | **(1600pa) 4** | ≤1/300 C (2000pa) 5 | (>2000) Exxx

Ensaio realizado numa janela de batente de duas folhas com:
Essai réalisé sur une fenêtre de deux ouvrants à la française de: 1700 x 2020 mm

Certificado de ensaio/Certeficat d'essai nº 01/2010

Desempenho térmico e acústico / Performance thermique et acoustique

Elementos usados na base dos cálculos
Elements utilisés sur la base de claculs:

Janela oscilo-batente de 2 folhas com:
Fenetre oscilo-batant 2 venteaux avec:
2000 x 2200 mm

Composição e valores dos vidros / Composition et valeurs de vitrage

	Unidade de vidro (IGU)*	Y	Ug	g	Tlg	Rw (C;Ctr)
(a)	GuardianSun 4+12 Argon+Float 4mm	0,049	1,2	0,43	70%	30(-1;-3)
(b)	GuardianSun 4+12 Ar+Float 4mm	0,049	1,5	0,43	70%	30(-1;-3)
(c)	Float 4+16 Ar+Float 4mm	0,049	2,7	0,78	82%	34(-1;-5)

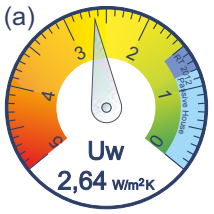
Y - Coeficiente linear junta aluminio/vidro (com Warm Edge Thecnoform Glassinsulation). **Ug** - Coeficiente Térmico **g** - Factor Solar **Tlg** - Transmissão Luminosa

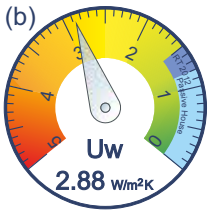
Transmissão Térmica
Transmittance Thermique
UNE-EN 10077-2

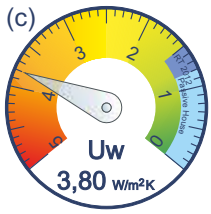
$$Uw = \frac{\sum AgUg + \sum AfUf + \sum lg\Psi g}{\sum Ag + \sum Af}$$

Exterior / Extérieur

Interior / Intérieur



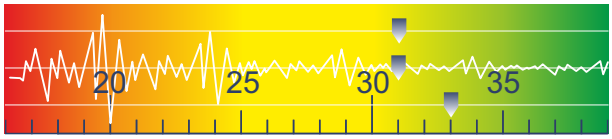




Atenuação Acústica
Isolation Acoustique
EN 14351-1+A1 (Anexo B)

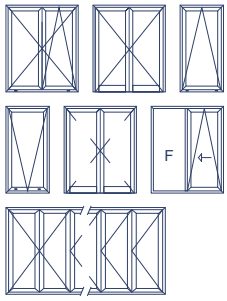
Rw (C;Ctr) com vidro / avec vitrage

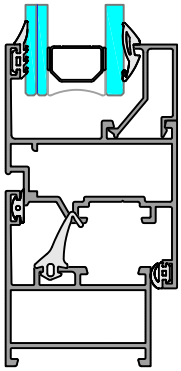
(a) 31 (-1;-4)
(b) 31 (-1;-4)
(c) 33 (-1;-6)

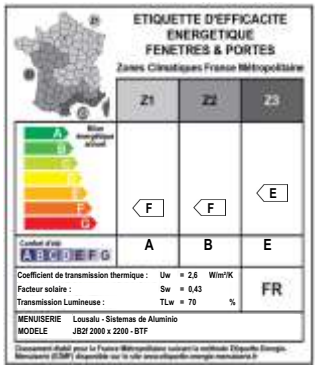


Tipologia e Classe energética / Typologie et classe énergétique

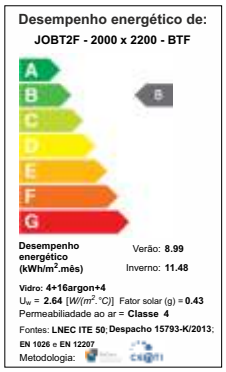
Tipologia construtiva
Typologie constructive







Avec vitrage (a)



Com Vidro (a)

Materiais, Tratamentos e Acabamentos / Matériaux, Traitement et Finition

Perfis / Profilés: Liga / alliage EN AW - 6060 (T5) - Acessórios / Accessoires: Canal Europeu
Vedantes / Joint d'étanchéité: EPDM / mousse de EPDM - Poliamida / Polyamid: Não Utilizada
Acabamentos / Finition: Anodizado, Lacado e efeito madeira / anodisé, Laqué et effet bois

* Fonte: Guardian Performence Calculator 4.1 e Acoustic Database 20171102 by Guardian Glass. Os valores apresentados são apenas ilustrativos, pois podem variar em função dos vidros a aplicar em obra.

BTF

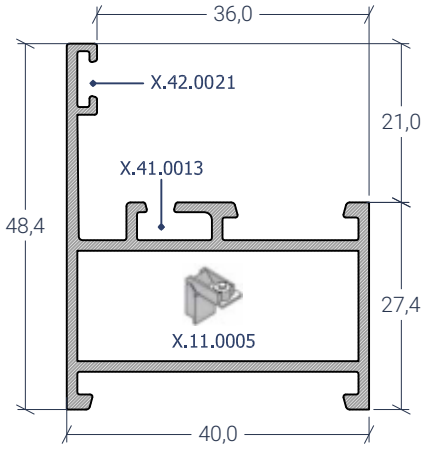
LOU ALU

Urban40

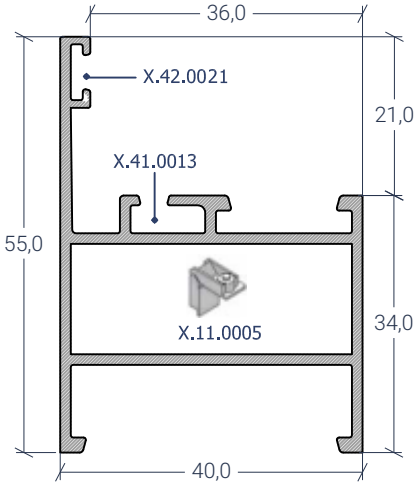
LOUSALU

BTF

aros fixos e soleiras de condensação



BTF.3650



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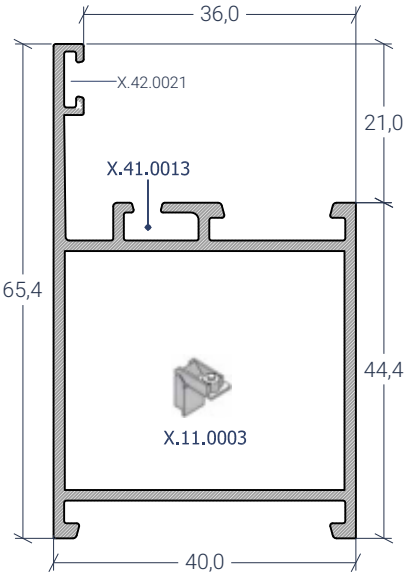

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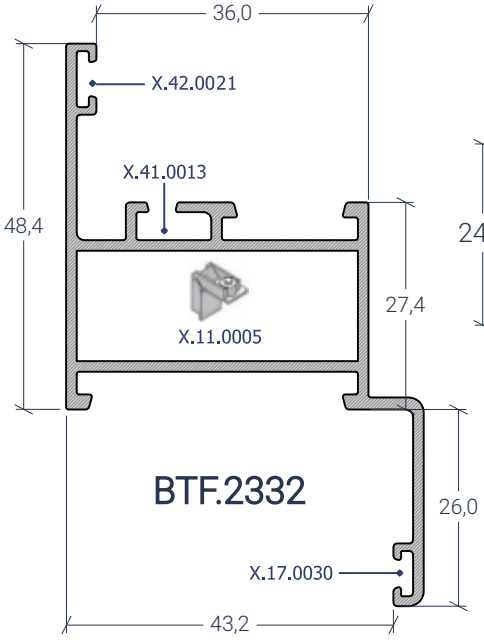

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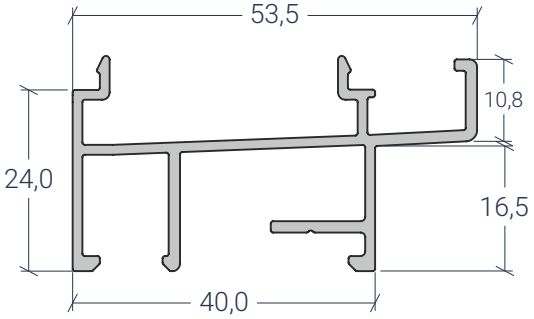

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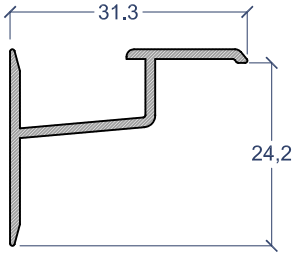
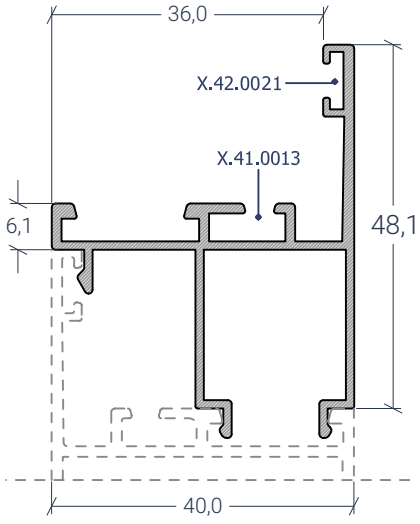


Y.0035



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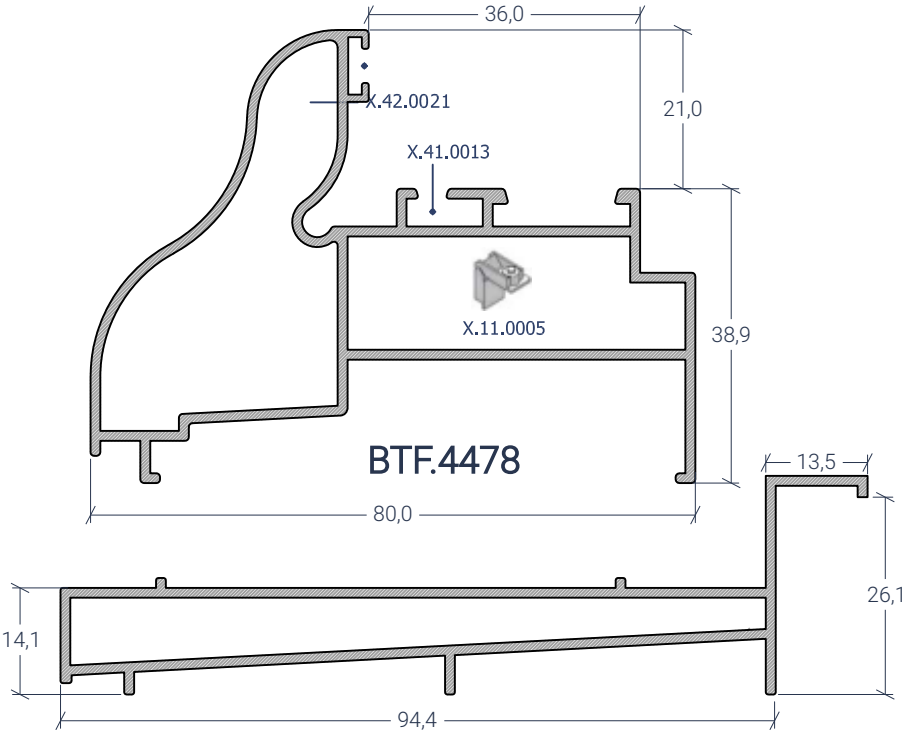


BTF.4478

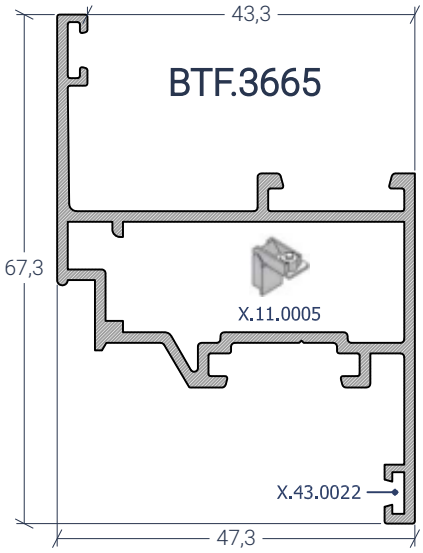
BTF.2066

LOUSALU

BTF

aros móveis

BTF.3665



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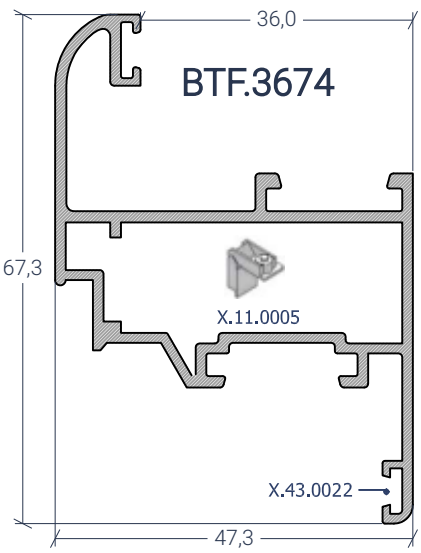

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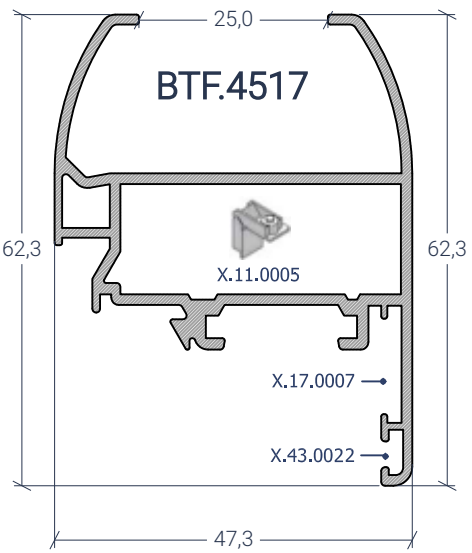

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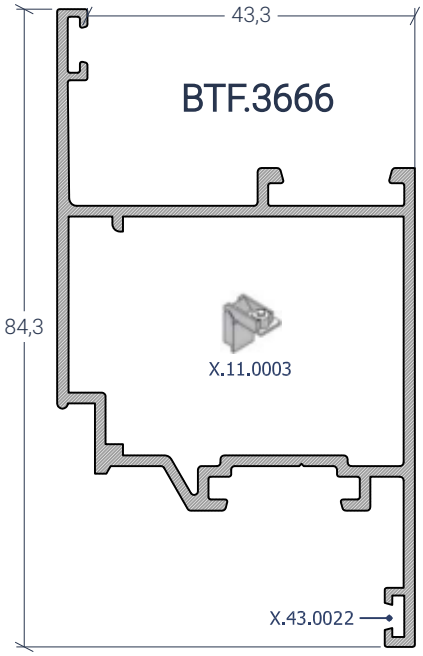

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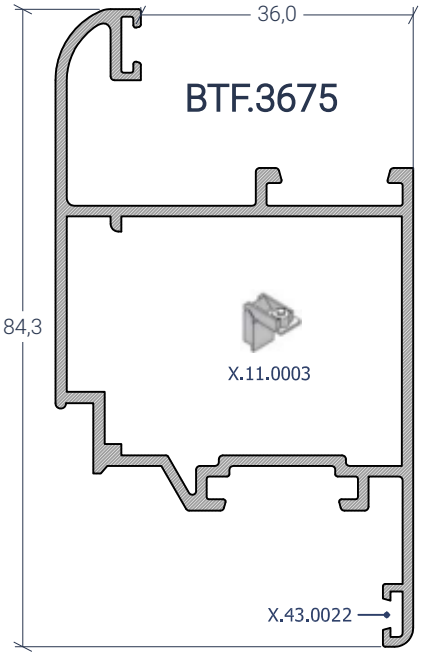

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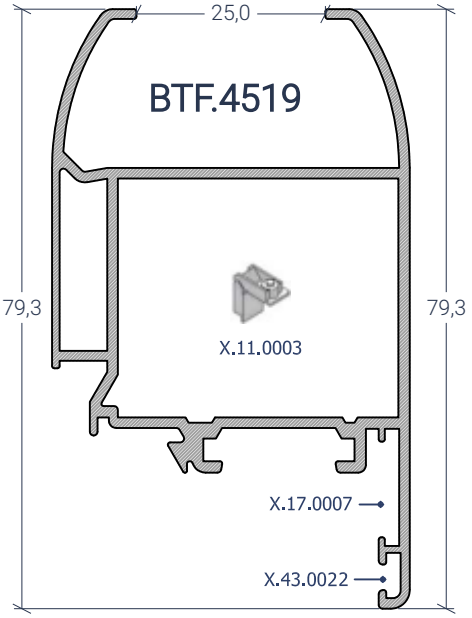
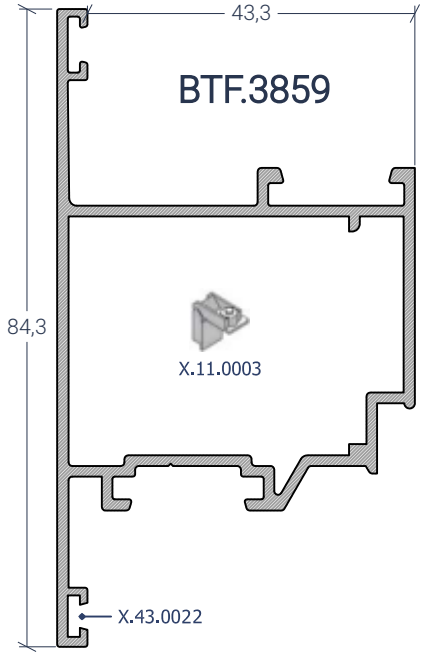
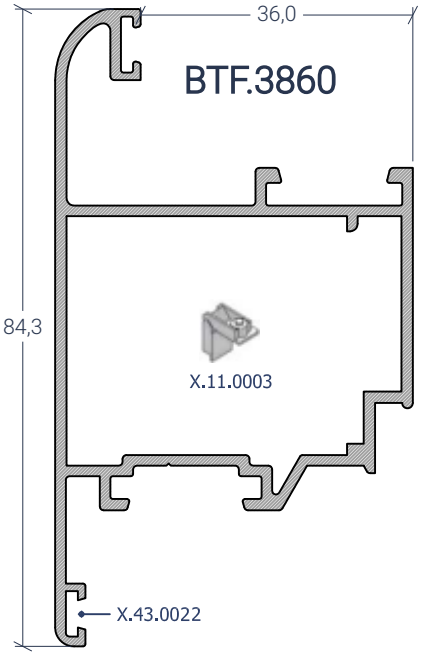


BTF.3859



BTF.3860



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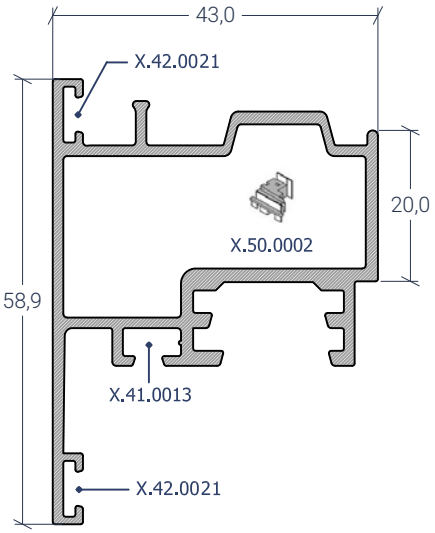
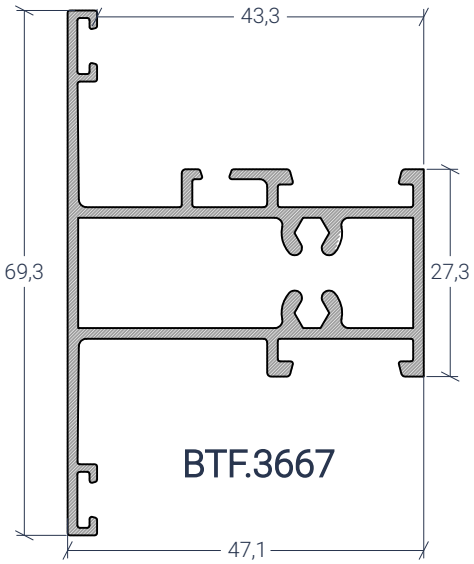


BTF

T´s divisores



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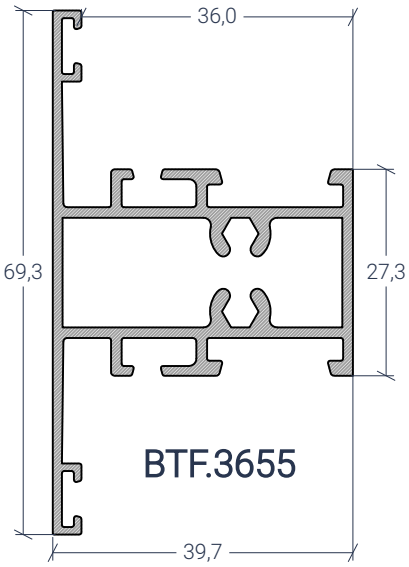

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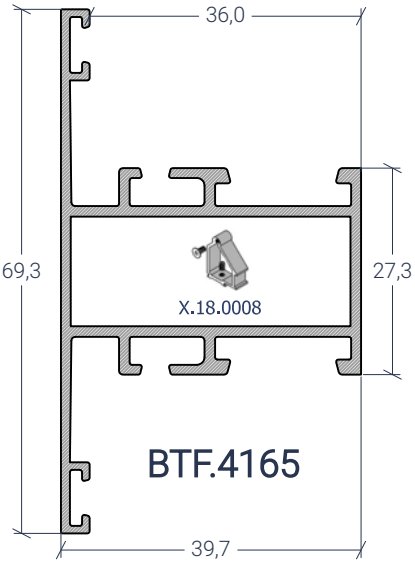

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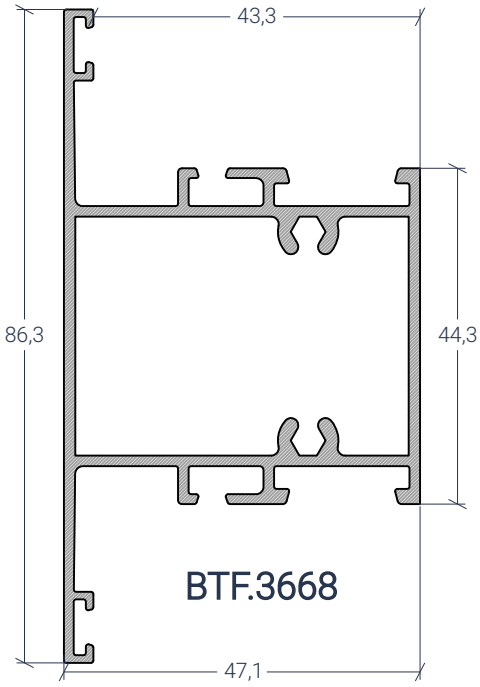

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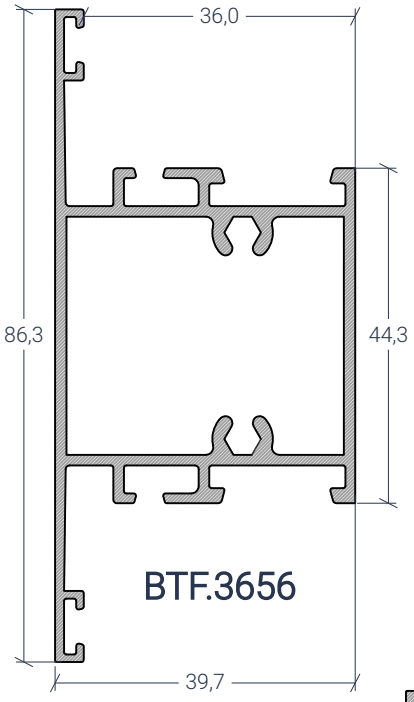

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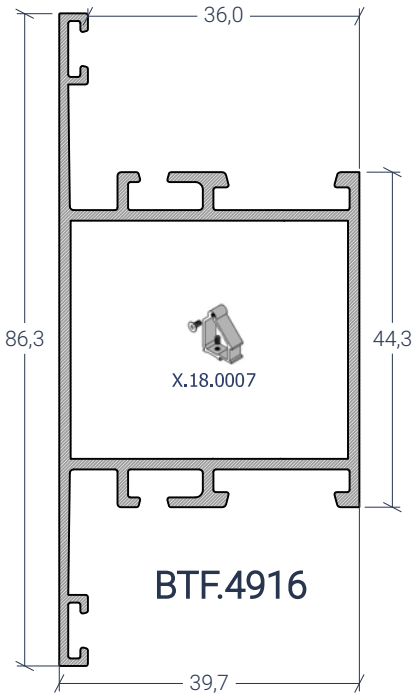
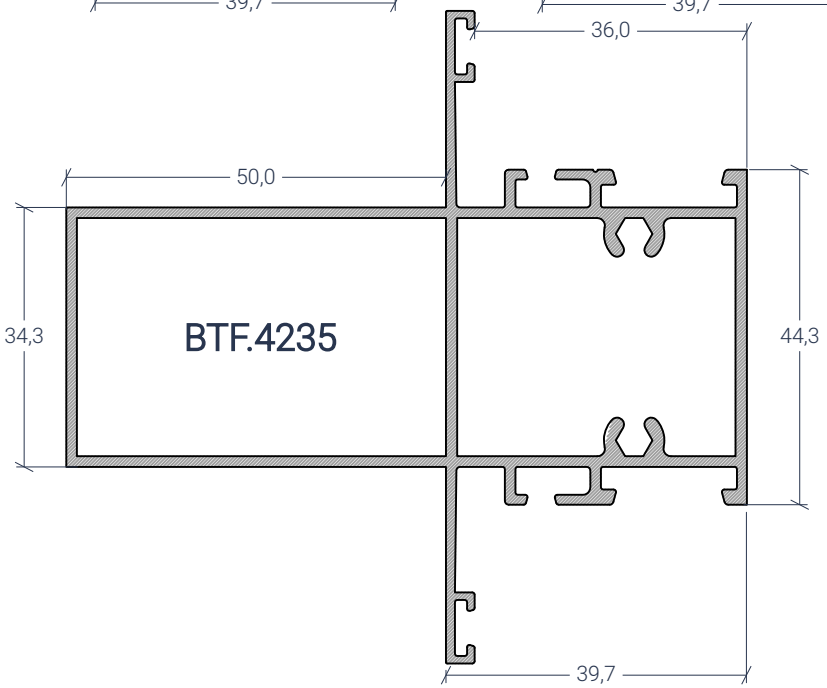


BTF.4916

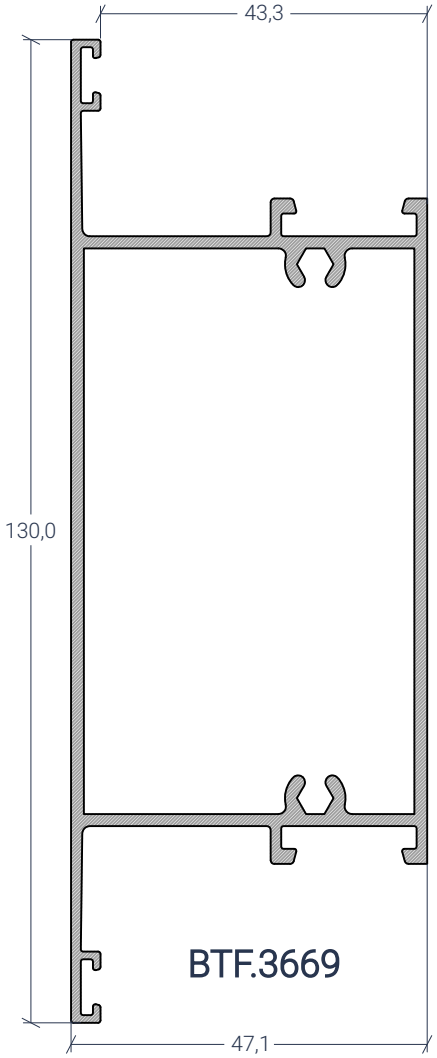


BTF.4235

LOUSALU

BTF

travessas, soleiras e pingadeiras



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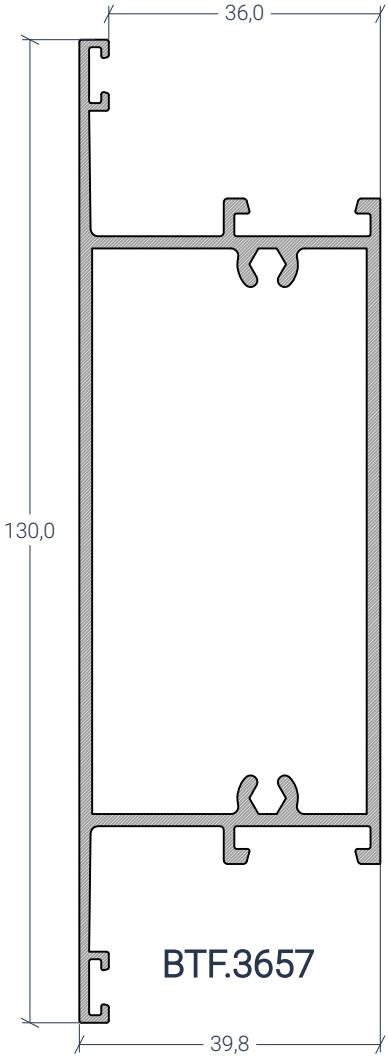
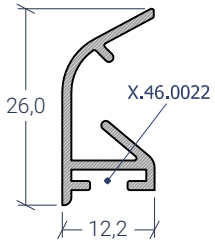
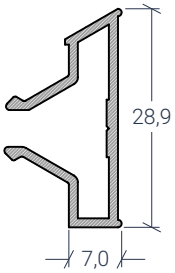


BTF.3657

BTF.4523



Y.0032



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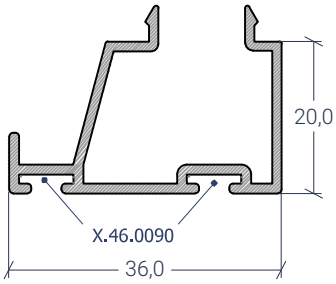

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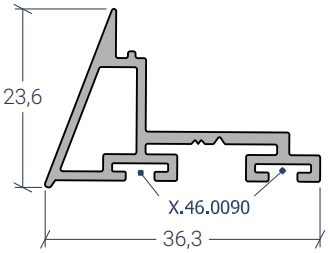
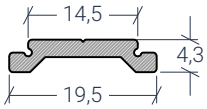


Y.0076



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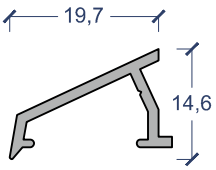

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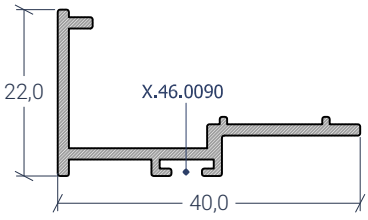

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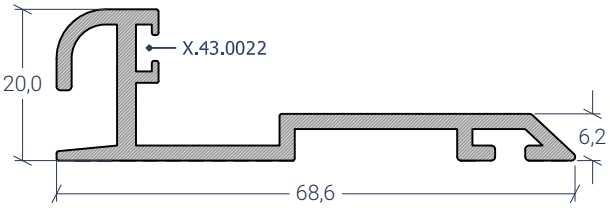
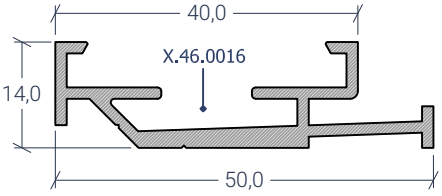


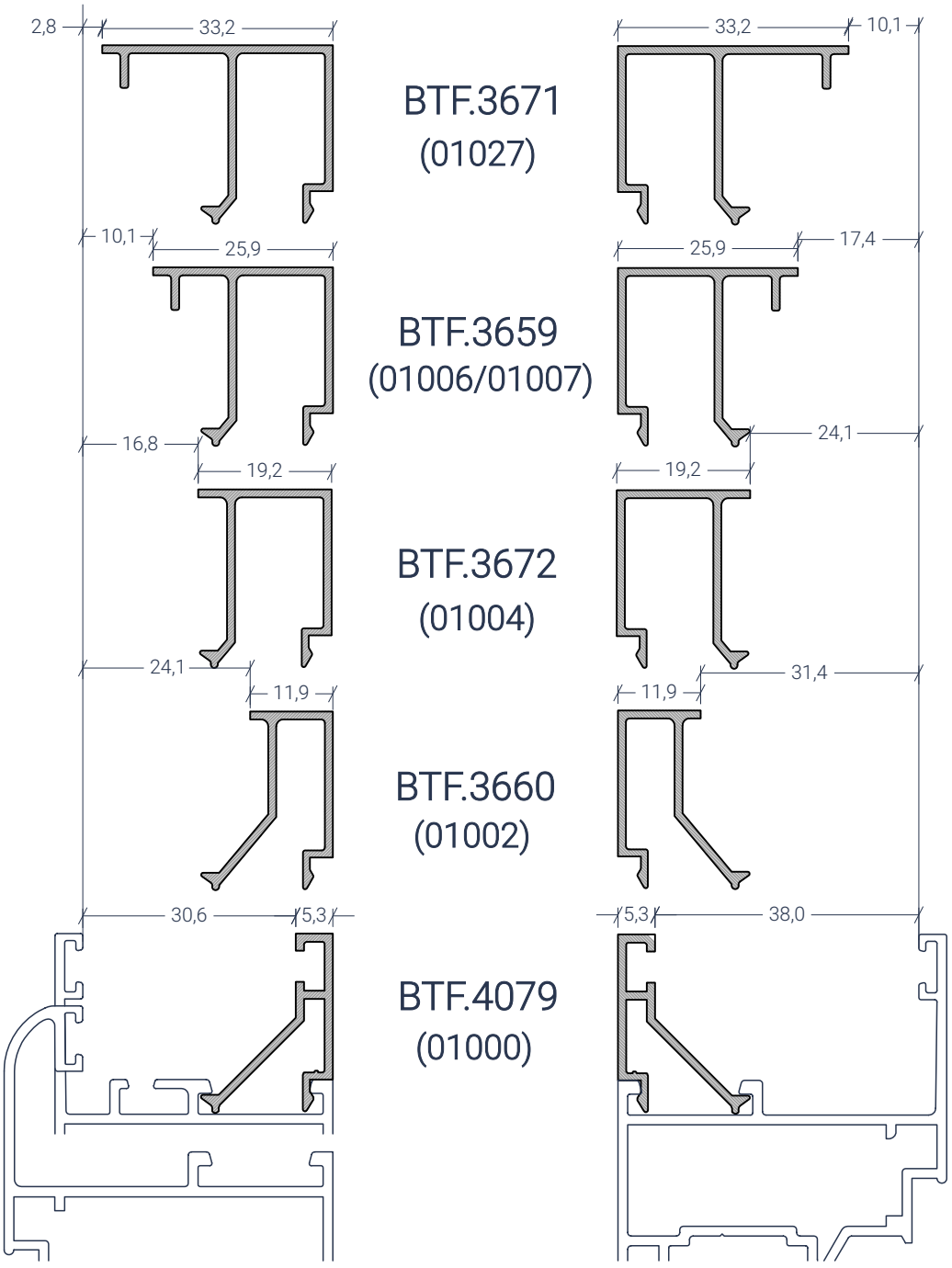
Y.0075



BTF.4097

BTF

bites e acessórios



Fixos / Móveis curvos

Móveis retos

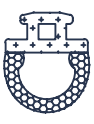
X.50.0002
Topo inversor BTF.3654

X.50.0035
Topo Pingadeira Y.0032

X.53.0002
Mola Pingadeira Y.0032

X.56.0041
Topo Pingante Y.0076

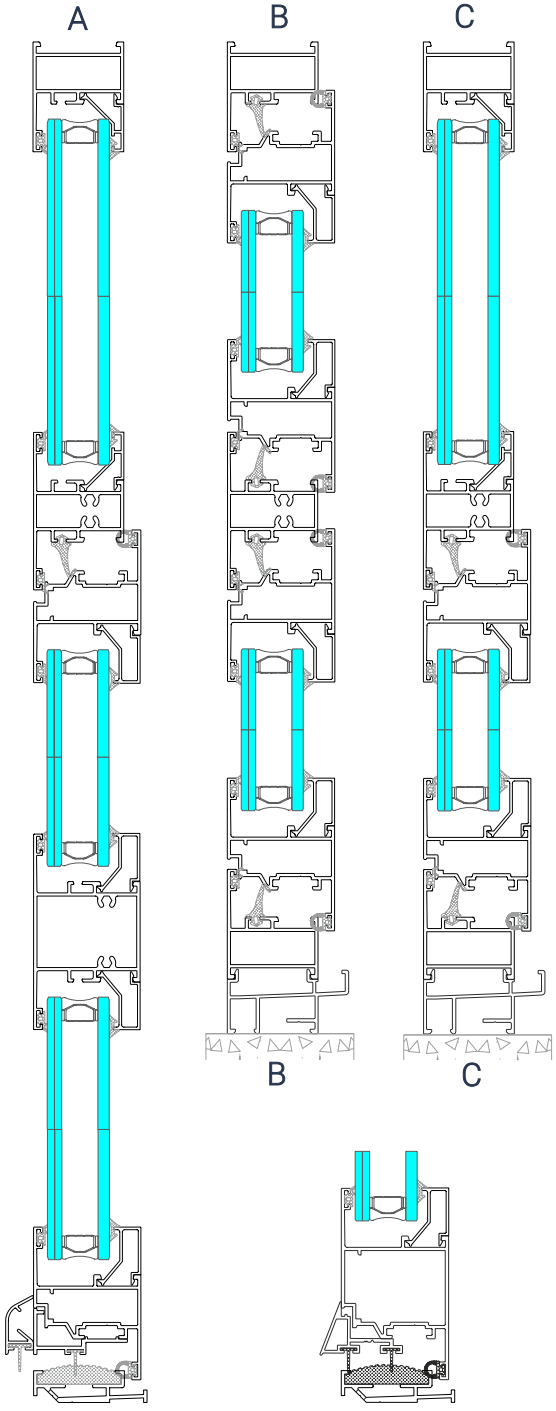
X.52.0051
Topo BTF.4006 (par)

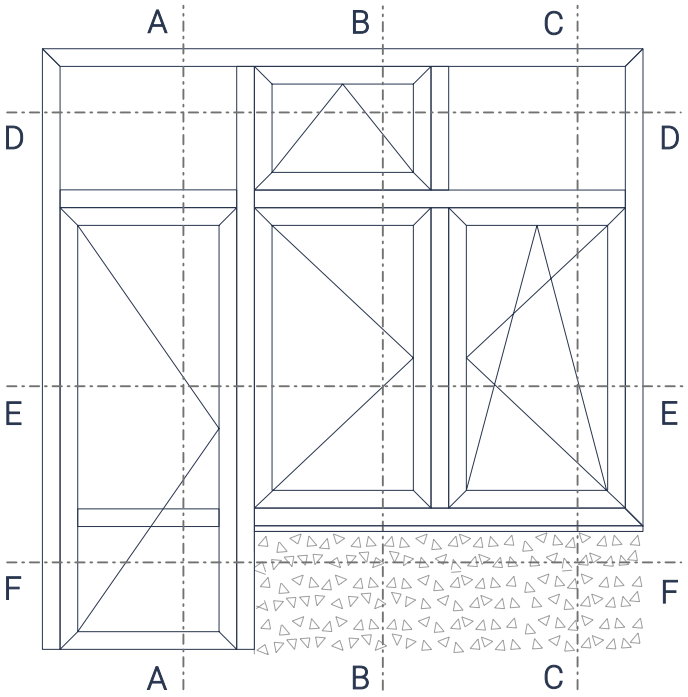
X.11.0003 Esq. M36 P10C (36x31) 	**X.17.0007** Esq. Alinhamento (1,8x15) 	**X.42.0021** Vedante aro fixo 	**X.41.0013** Vedante Central 	**X.46.0090** Vedante de pingante 	**X.18.0007** União trav. (22 x 26 
X.11.0005 Esq. M36 P10C (36x14) 	**X.17.0030** Esq. Alinhamento (1,5x5,5) 	**X.43.0022** Vedante aro móvel 	**X.46.0016** Vedante soleira BTF.4097 	**X.46.0022** Vedante pingadeira Y.32 	**X.18.0008** União trav. (22 x 14) 

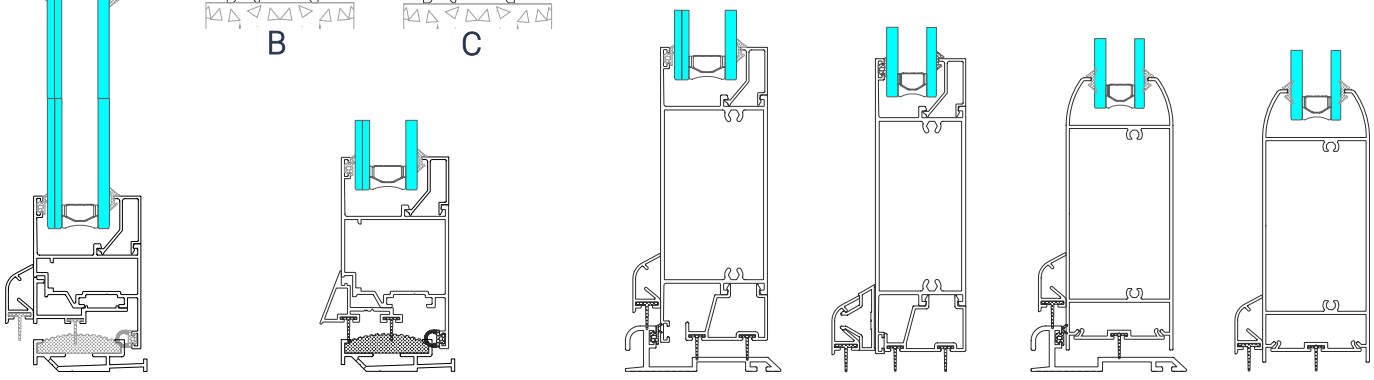
LOUSALU

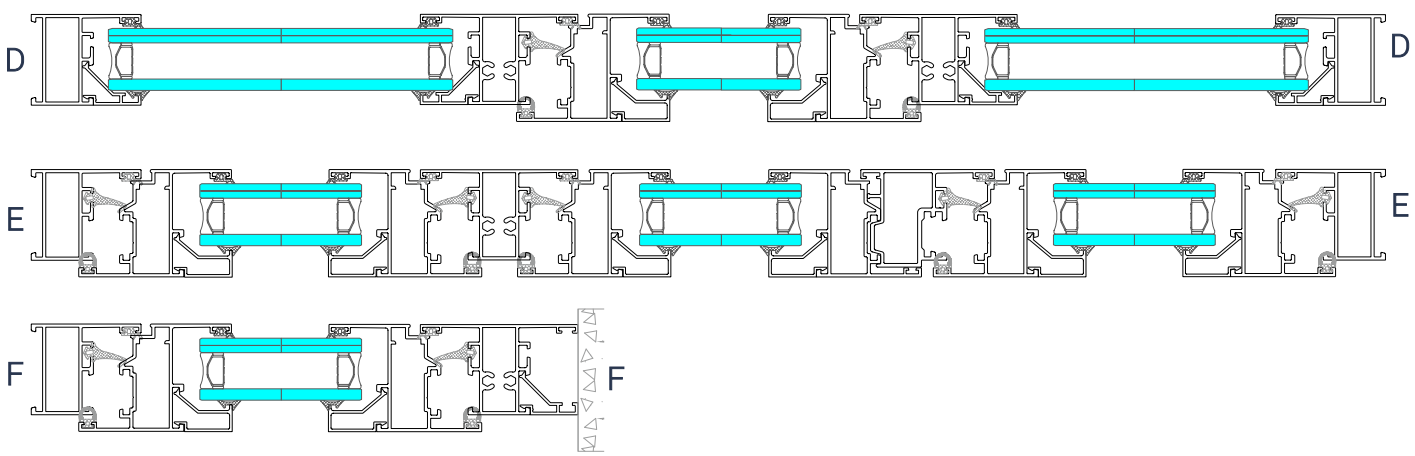
BTF

pormenores de construção







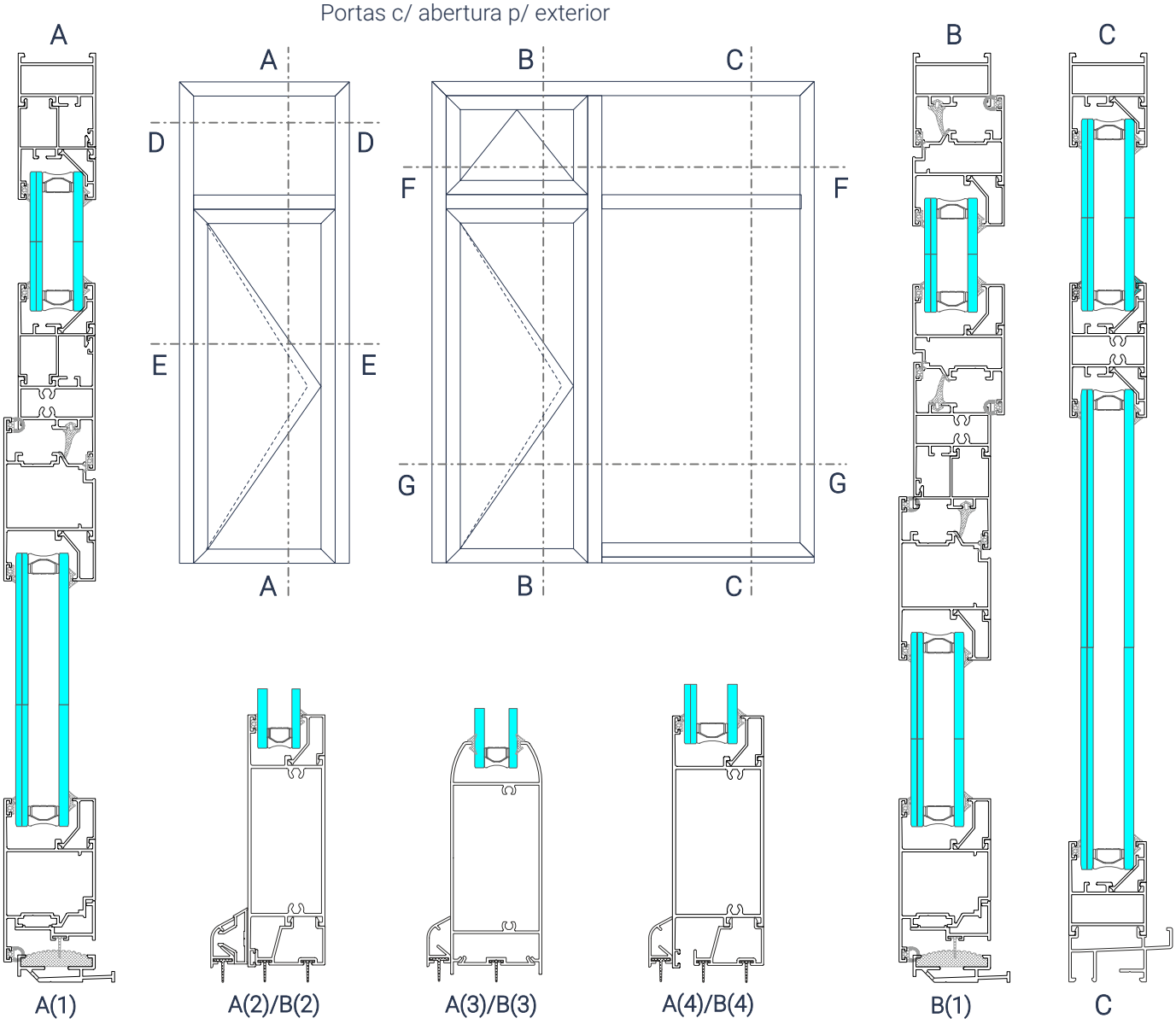


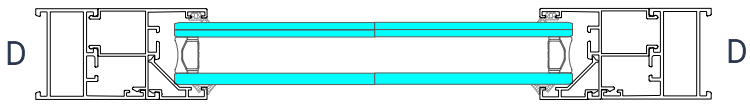
LOUSALU

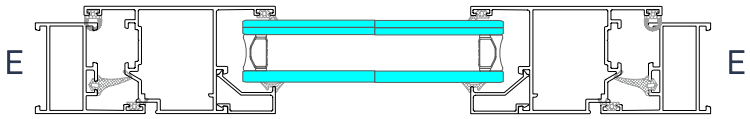
BTF

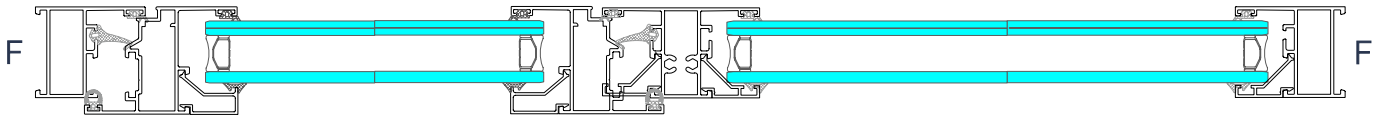
pormenores de construção

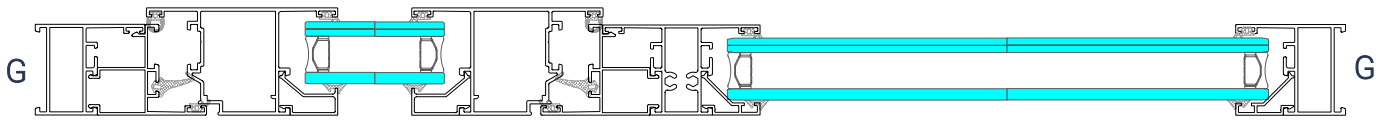
Portas c/ abertura p/ exterior





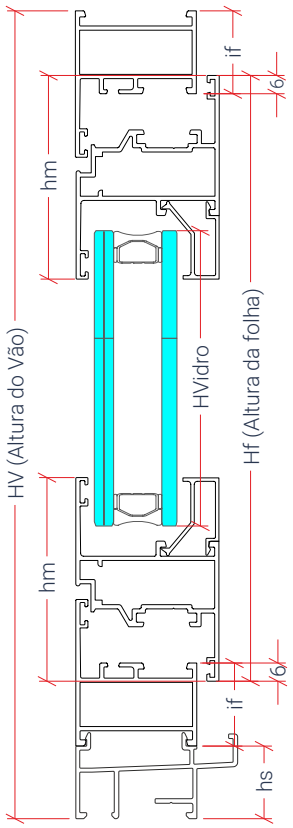




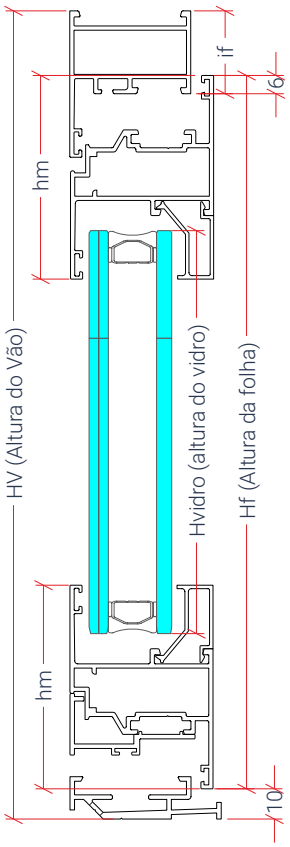


BTF

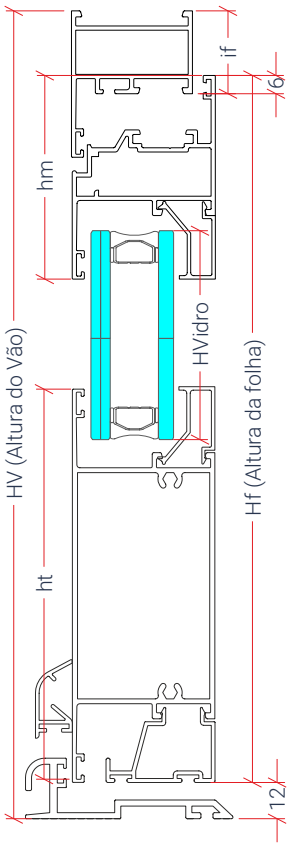
medidas de corte



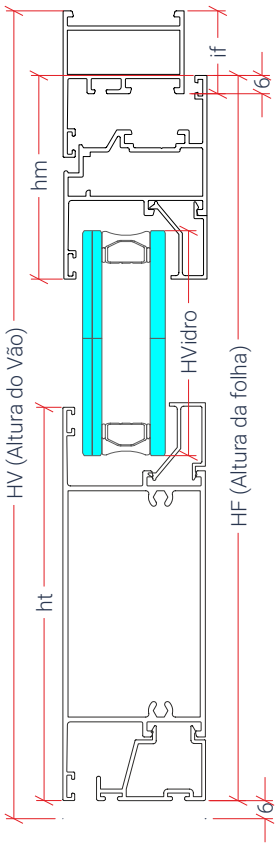
HF = (HV+12) - (2x if + hs)



HF = HV - if - 4



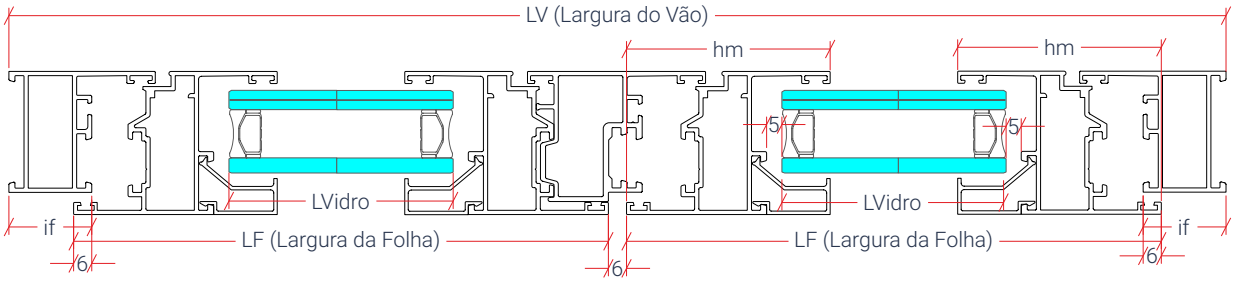
HF = HV - if - 6



HF = HV - if

HVidro = HF +32 - 2x hm

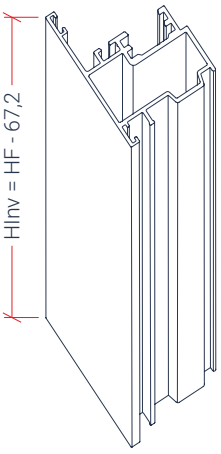
HVidro = HF +32 - (hm + ht)



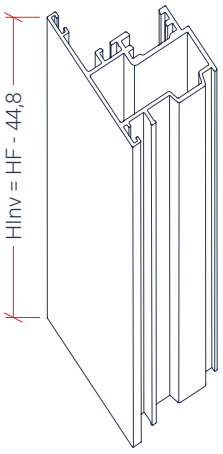
$$LF = \frac{(LV+12 - 2x\ if) - ((nF -1)x\ 6)}{nF}$$

LVidro = LF +32 - 2x hm

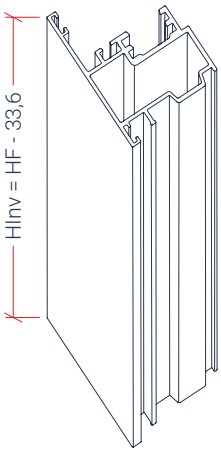
HV - Altura do Vão
LV - Largura do Vão
HF - Altura da Folha
LF - Largura da Folha
nF - Nº de folhas
LVidro - Largura do Vidro
HVidro - Altura do Vidro
if - Altura interior do aro fixo
hs - Altura da soleira de condensação
hm - Altura do aro móvel
ht - Altura da travessa



c/ aro em baixo



c/ soleira BTF.4097



c/ soleira Y.0075 ou nada