



Plus 80

Batente 80mm

*barreira térmica de 34mm Thermfoam e
vedação central de atenuação acústica*

LOU / ALU

Plus 80 - Desempenho / Performance



ITT - Ensaio de tipo inicial - Organismo notificado n.º

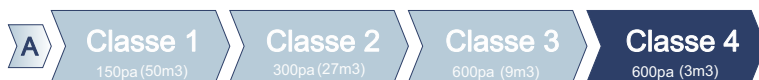
Norma EN 14351-1

ETI - Essai de type initial - Laboratoire notifié n.º

1668 - Ensatec



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



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



Resistência ao Vento
Résistance au Vent
UNE-EN 12210



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

1230 x 1480 mm

Certificado de ensaio/Certificat d'essai n.º 244712

Desempenho térmico e acústico / Performance thermique et acoustique

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

Janela oscilo-batente de 2 folhas com:
Fenêtre oscilo-batant 2 vantaux 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 LamiGlass 44.1+16 Argon 90%+Float4+ClimaGauard Premiun2 4mm	0,044	0,5	0,37	62%	41(-2;-6)
(b) GuardianSun LamiGlass 44.1+16 Argon 90%+Float 4mm	0,049	1,0	0,41	69%	38(-2;-5)
(c) GuardianSun LamiGlass 44.1+16 Ar+Float 4mm	0,049	1,3	0,41	69%	38(-2;-5)

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

$$U_w = \frac{\sum A_g U_g + \sum A_f U_f + \sum l_g \psi_g}{\sum A_g + \sum A_f}$$

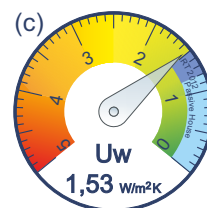
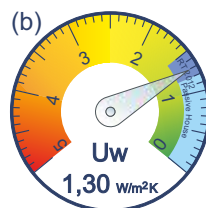
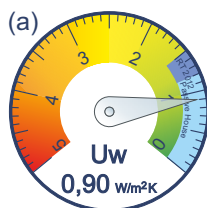


Transmissão Térmica
Transmittance Thermique
UNE-EN 10077-2

Exterior / Extérieur



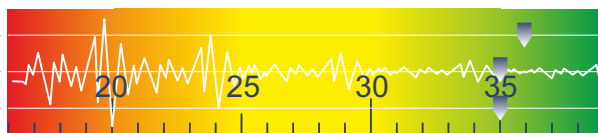
Interior / Intérieur



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

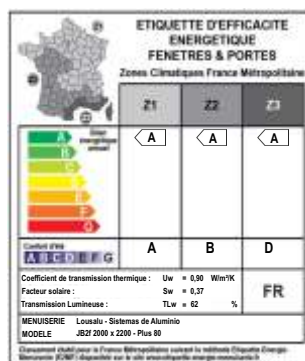
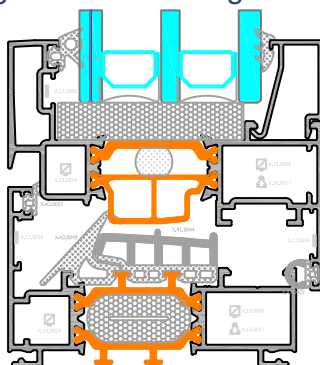
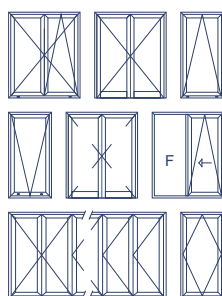
Rw (C;Ctr) com vidro / avec vitrage

- (a) 36 (-2;-5)
(b) 35 (-2;-5)
(c) 35 (-2;-5)



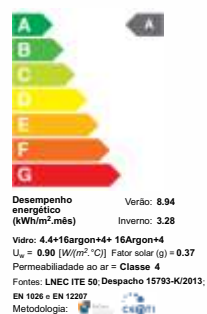
Tipologia e Classe energética / Typologie et classe énergétique

Tipologia construtiva
Typologie constructive



Avec vitrage (a)

Desempenho energético de:
JOB2F - 2000 x 2200 - Plus 80



Com Vidro (a)

Materiais, Tratamentos e Acabamentos / Matériaux, Traitement et Finition

Perfis / Profils: Liga / alliage EN AW - 6060 (T5) - Acessórios / Accessoires: Canal Europeu

Vedantes / Joint d'étanchéité: EPDM / mousse de EPDM - Poliamida / Polyamid: 34mm

Acabamentos / Finition: Anodizado, Lacado e efeito madeira / anodisé, Laqué et effet bois

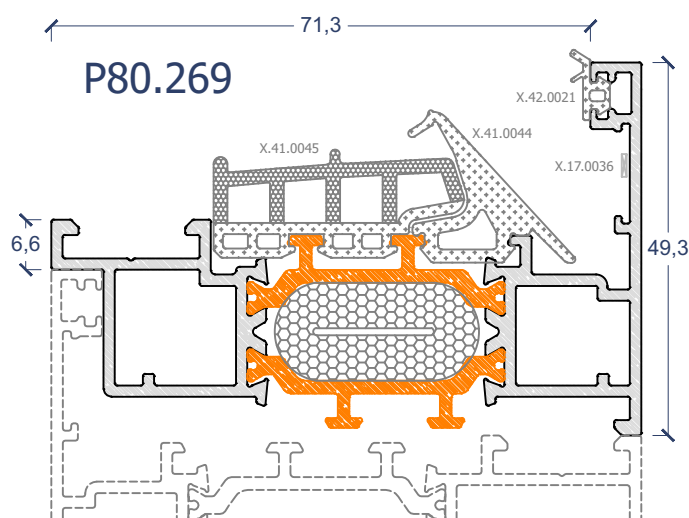
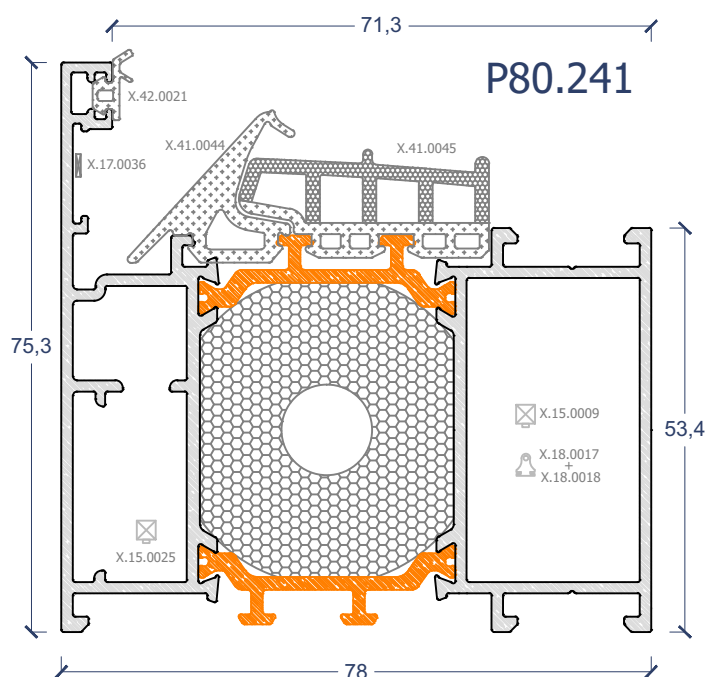
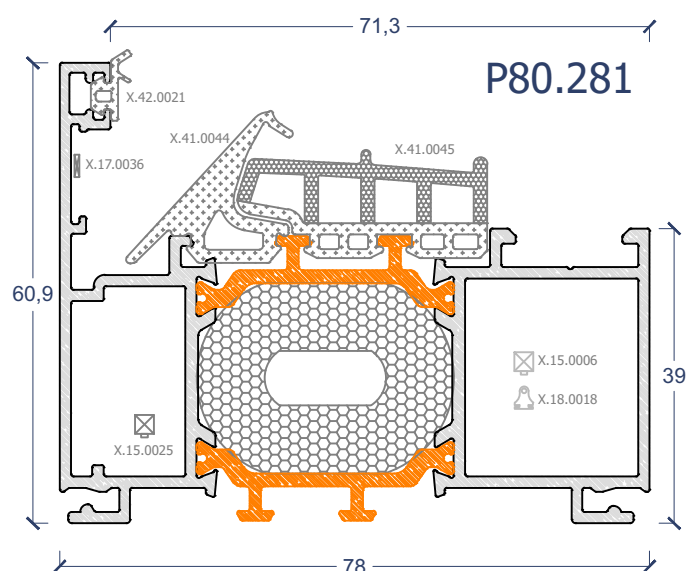
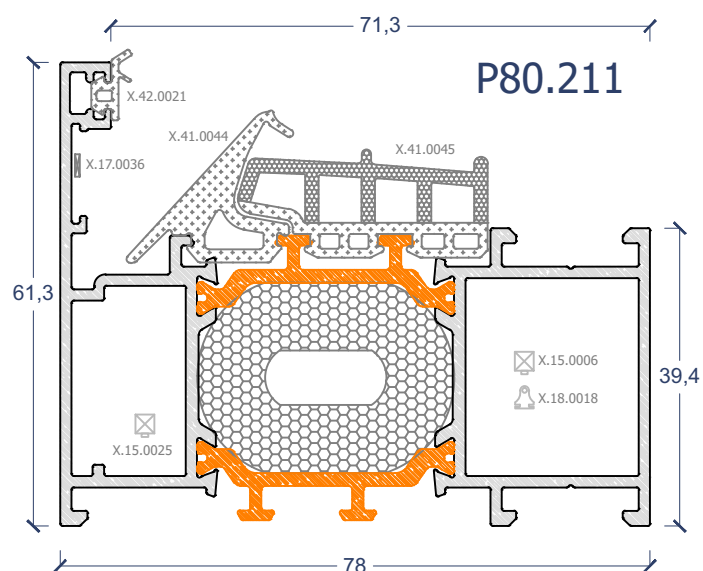
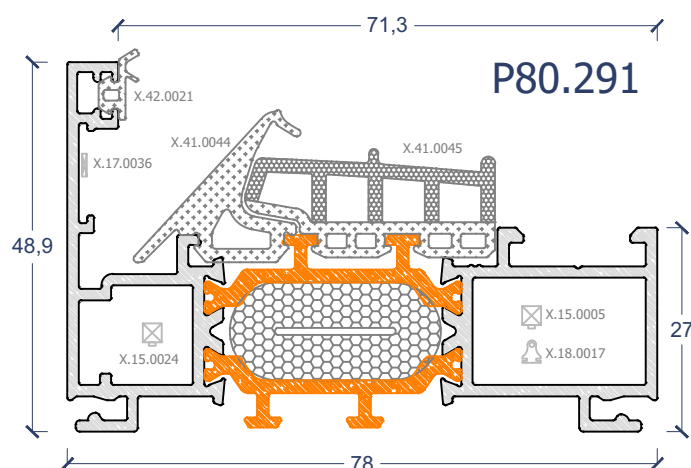
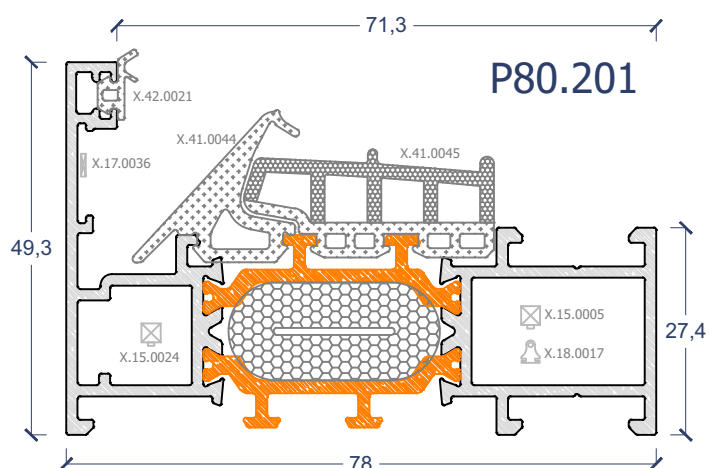


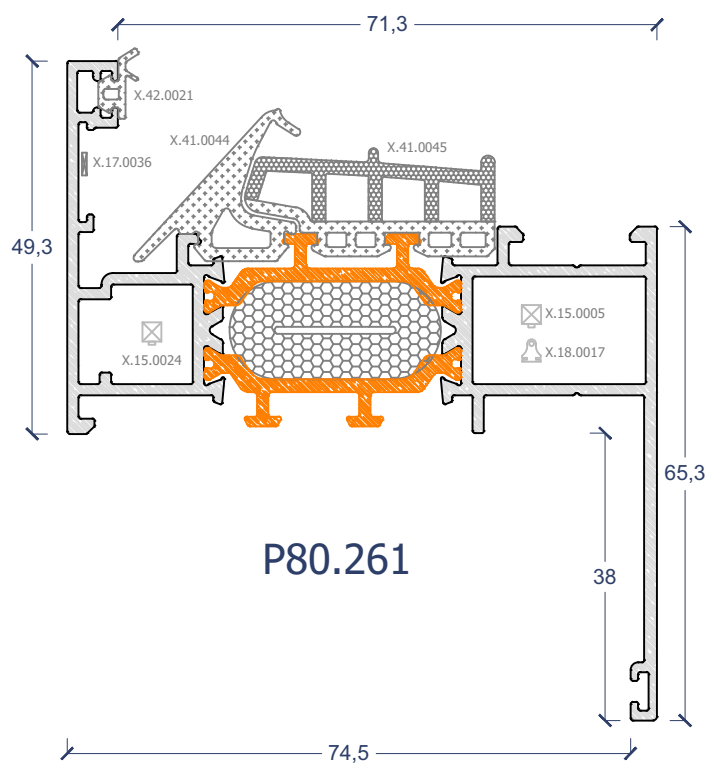
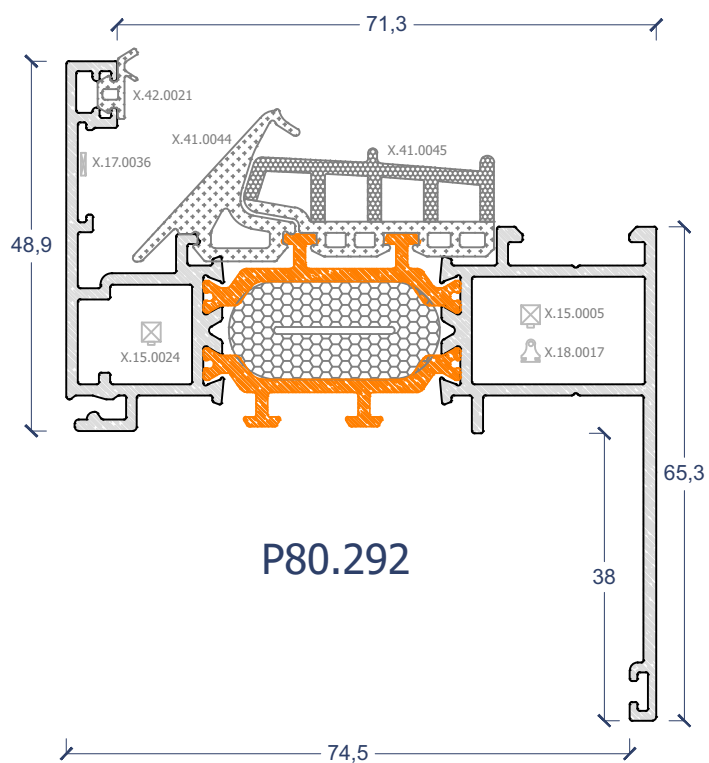
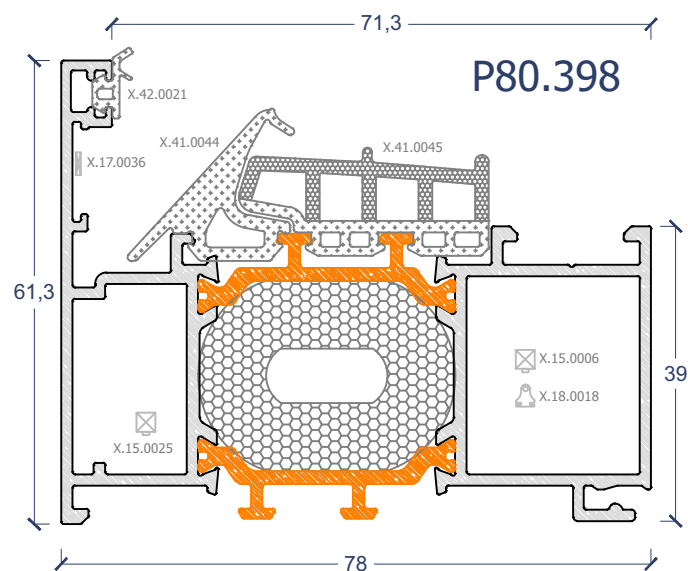
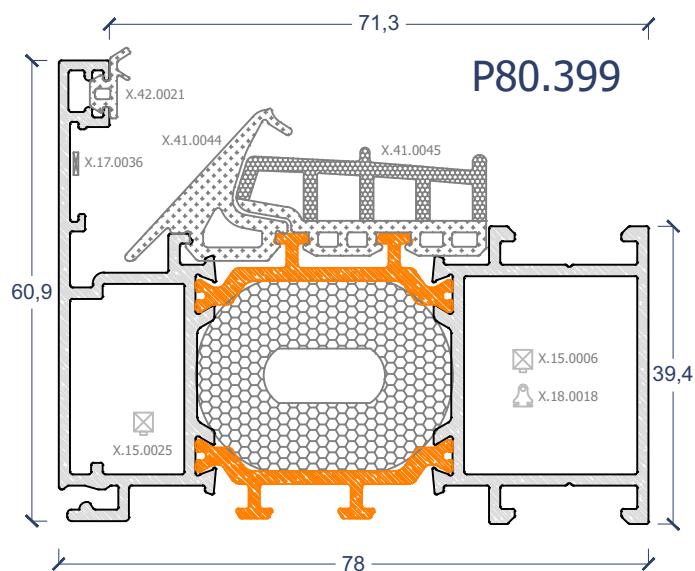
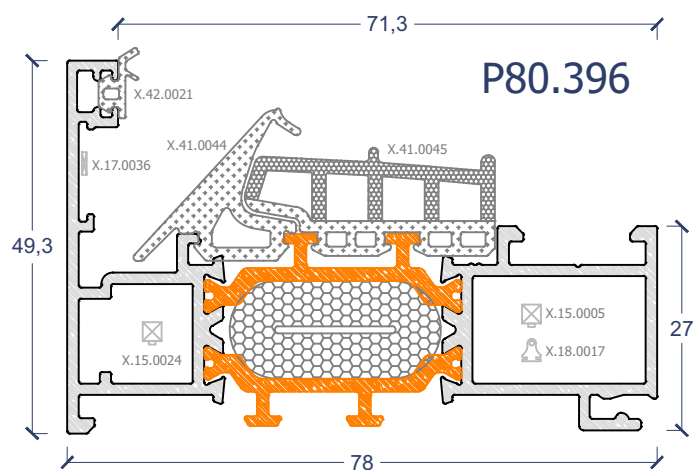
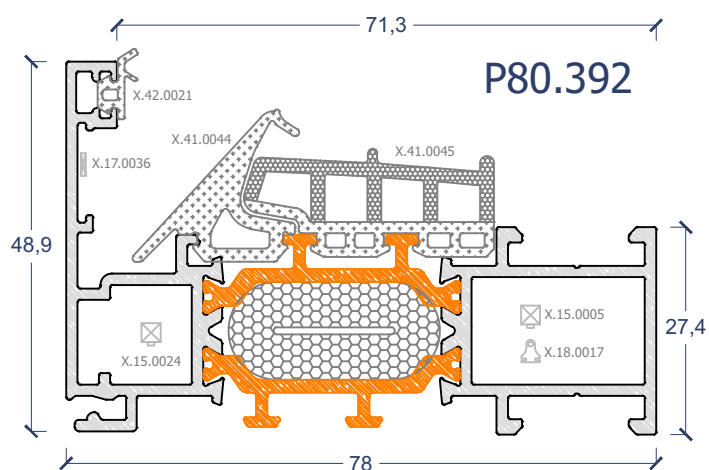
* Fonte: Guardian Performance Calculator 4.1 e Acoustic Database 20171102 by Guardian Glass. Os valores apresentados são apenas ilustrativos, pois podem variar em função dos vidros a aplicar em obra.

Plus 80

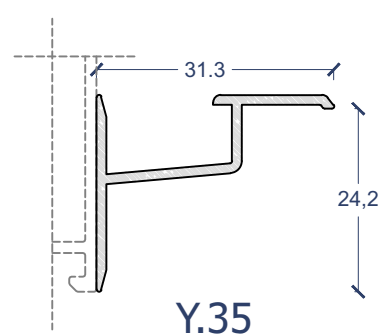
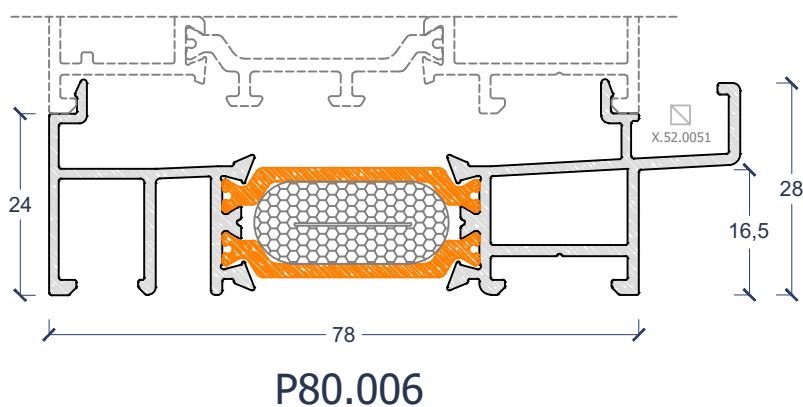
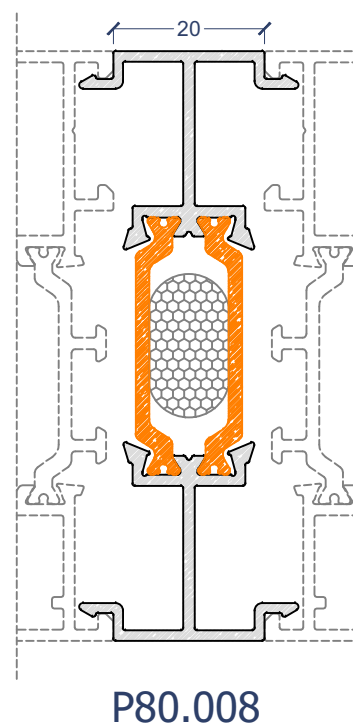
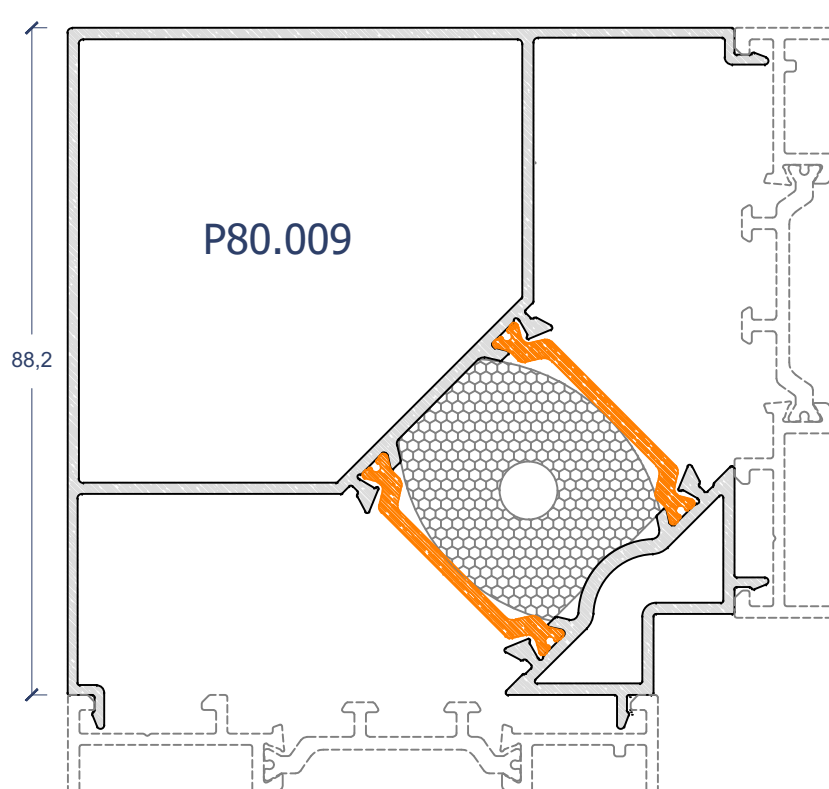
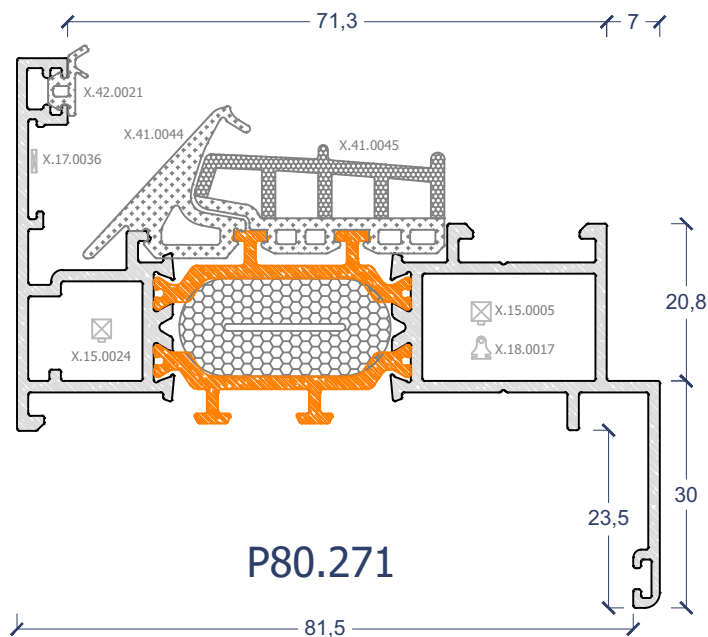
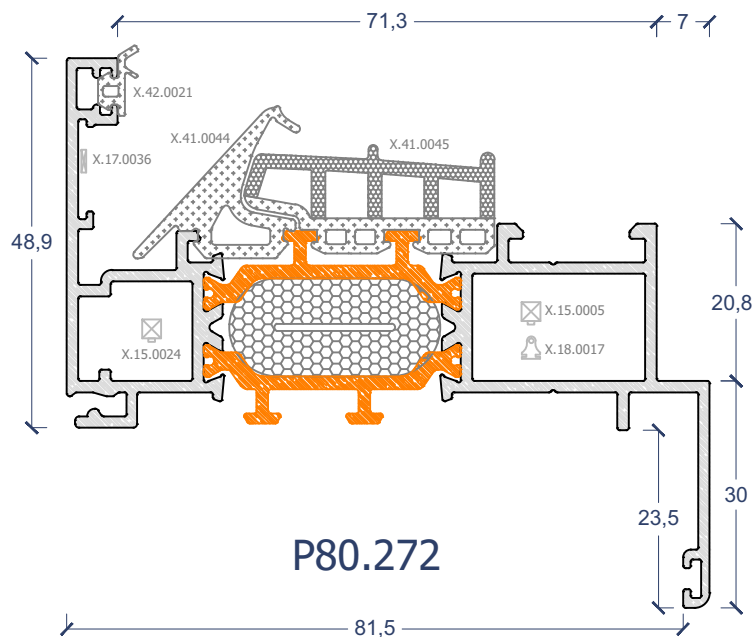


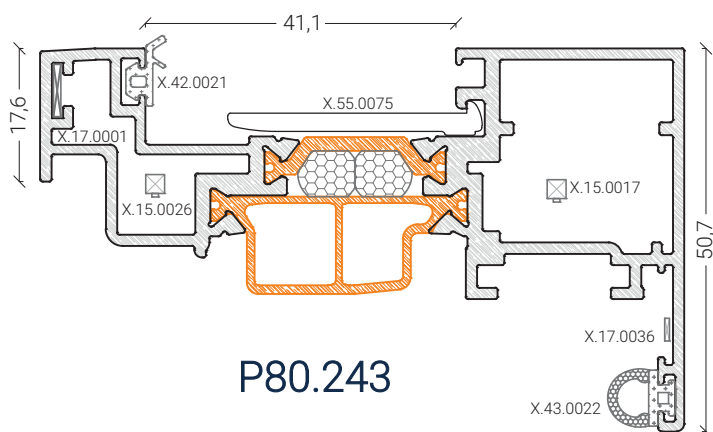
rpt34 thermfoam



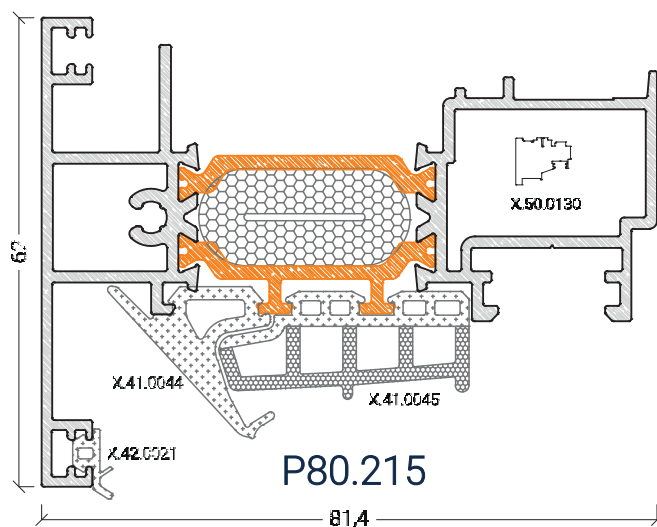


uniões e soleiras de condensação

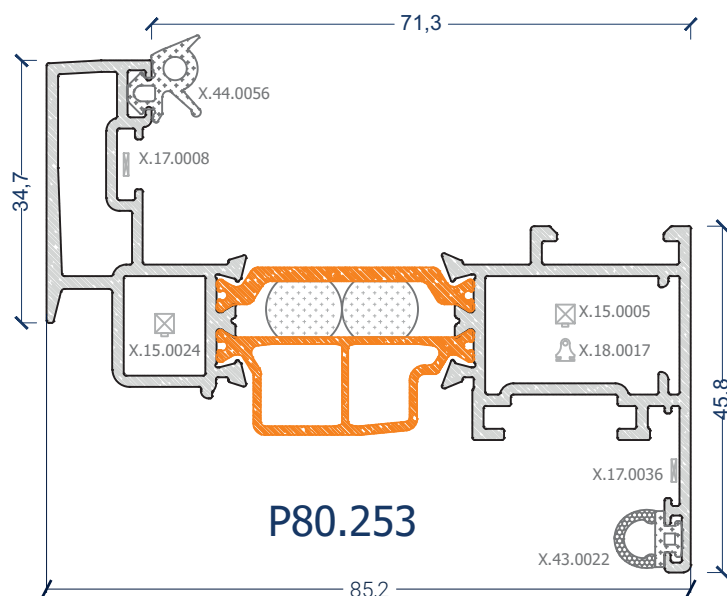




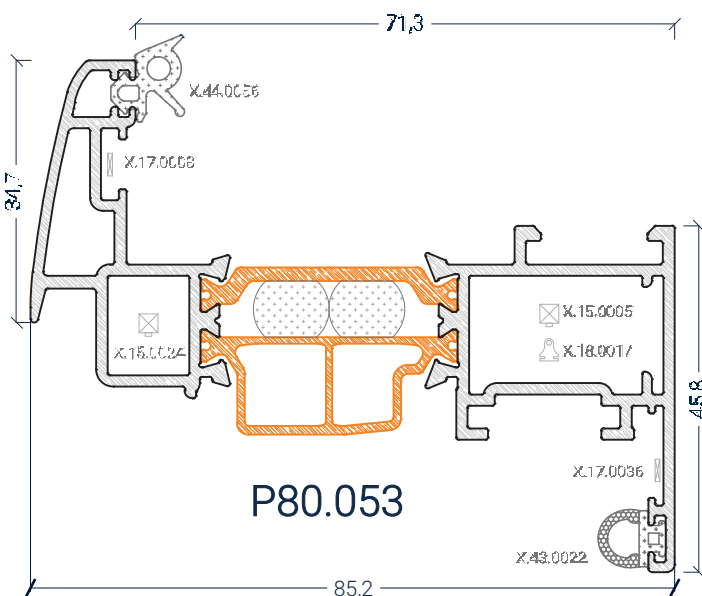
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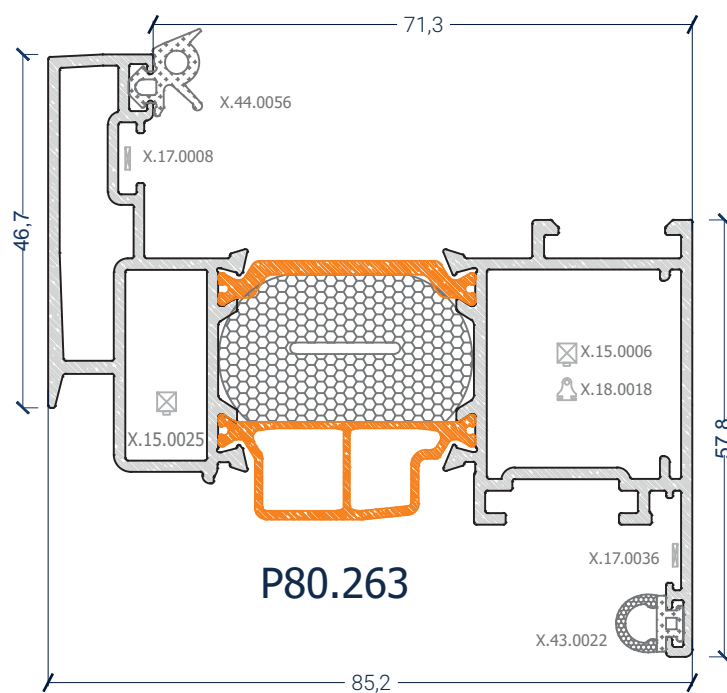
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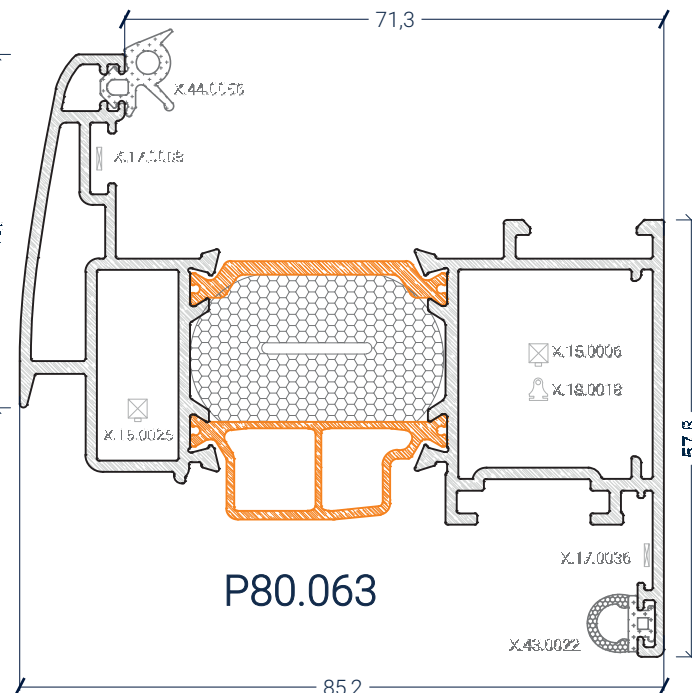
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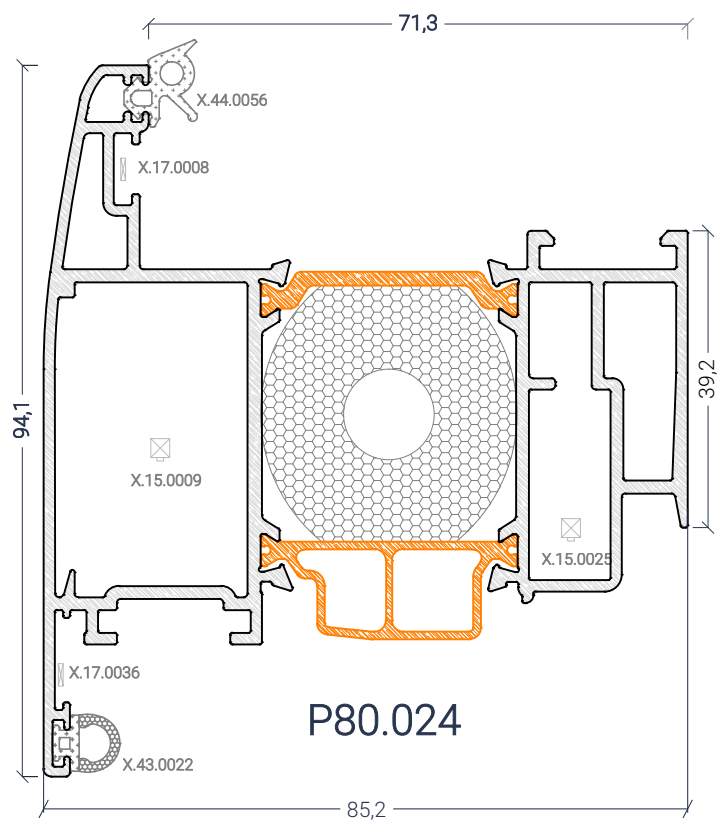
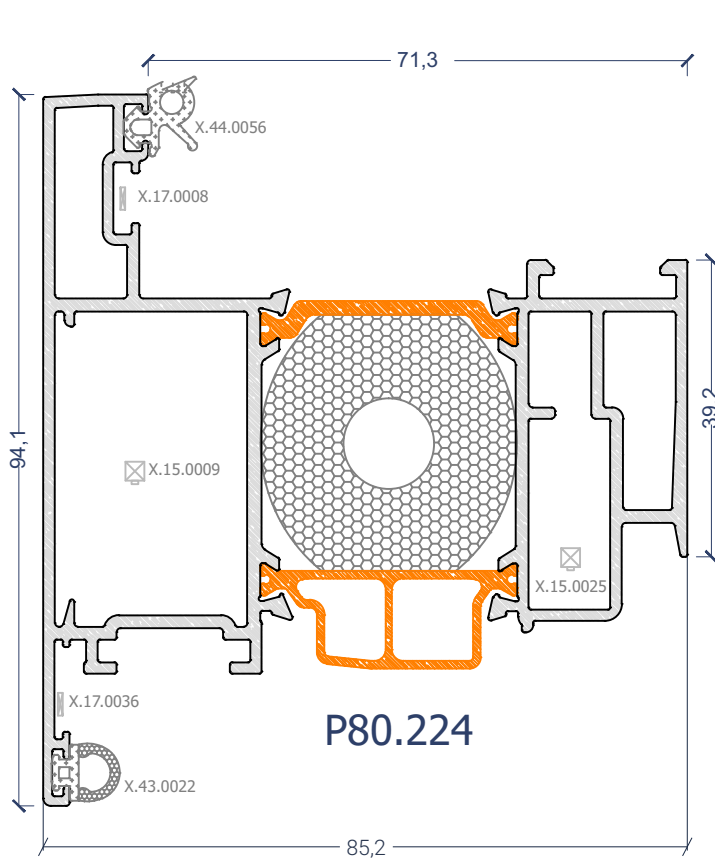
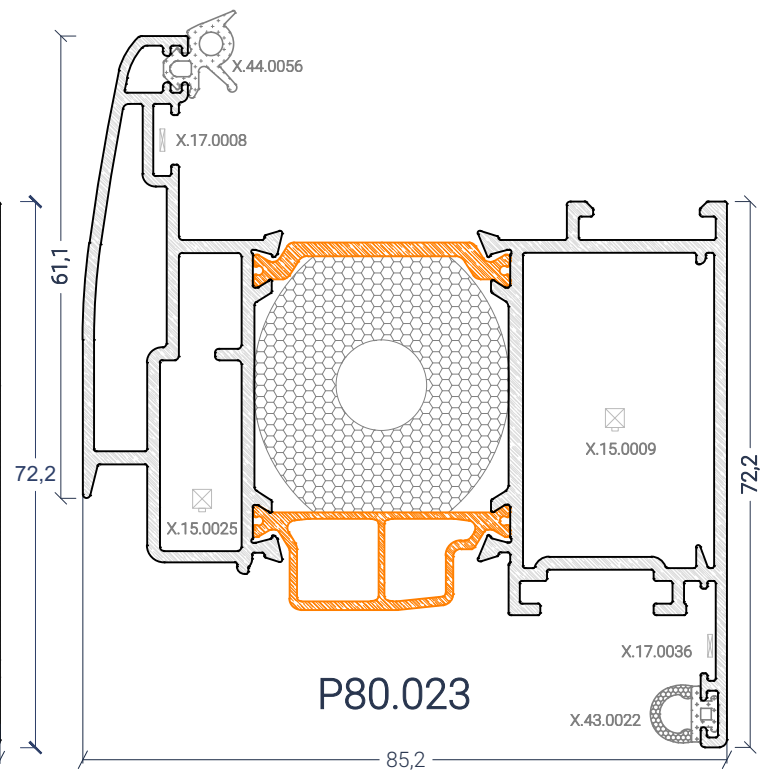
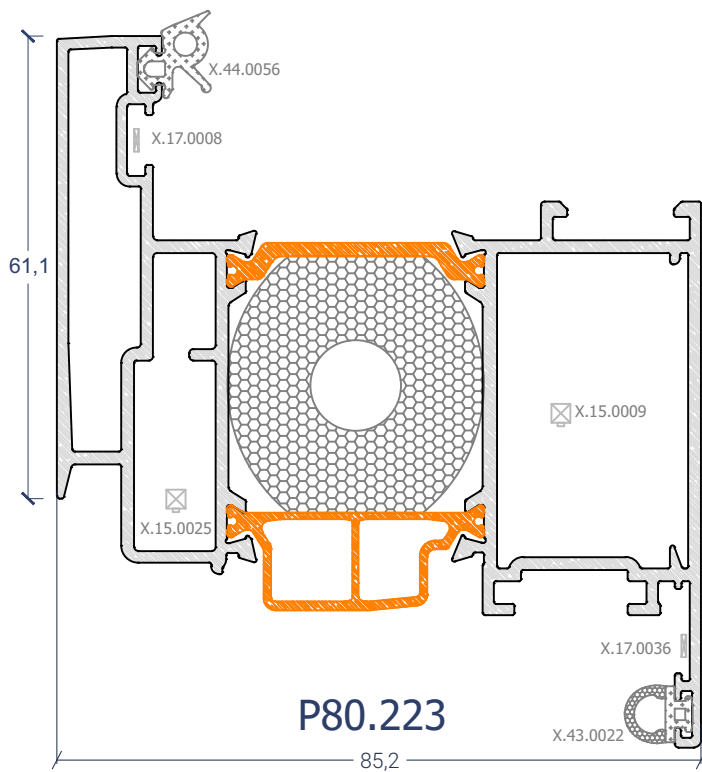
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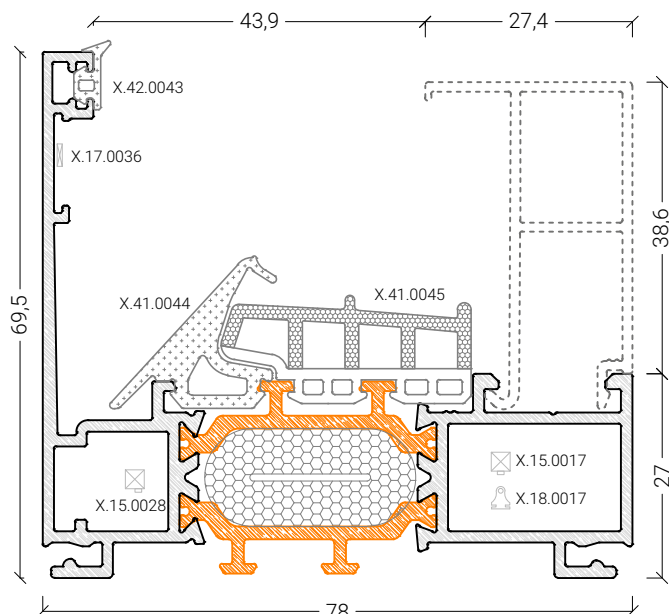


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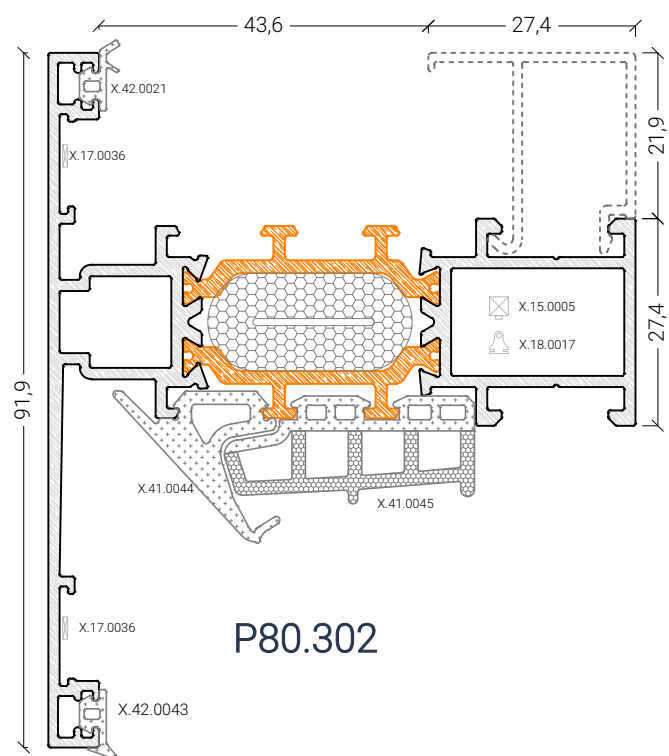


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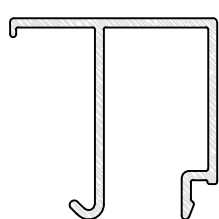




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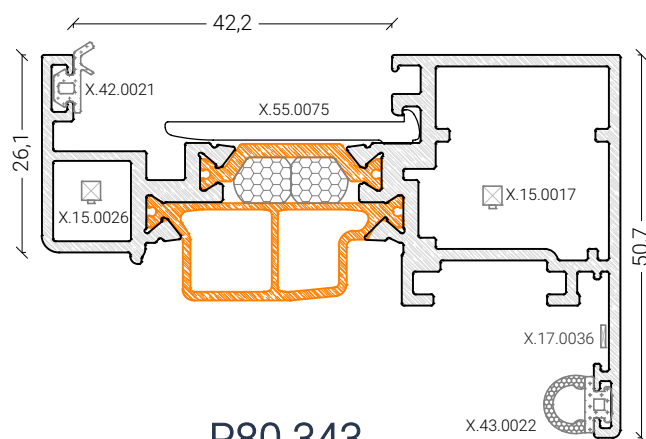
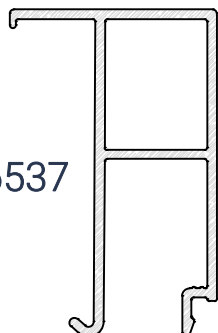


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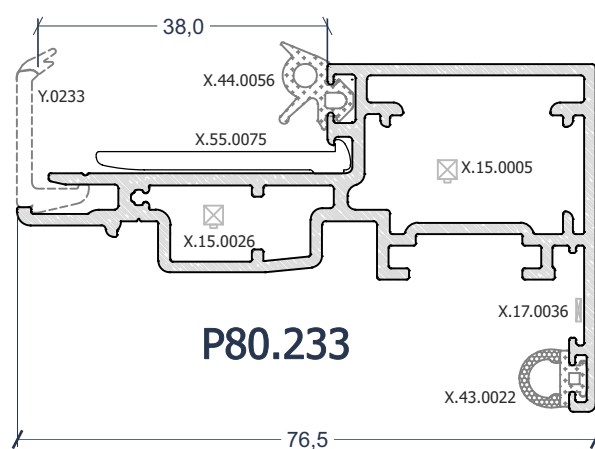


01007

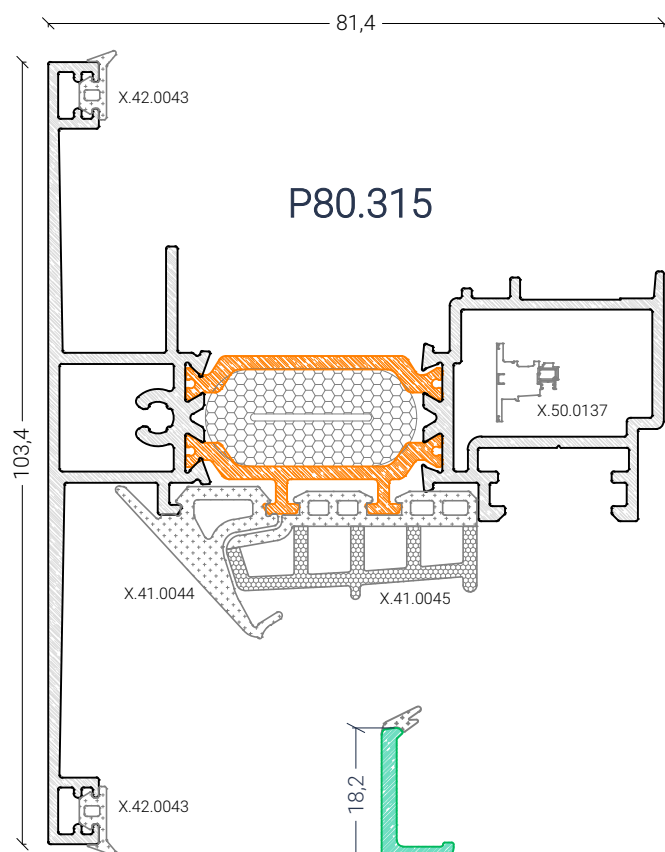
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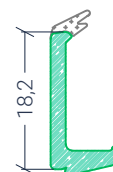
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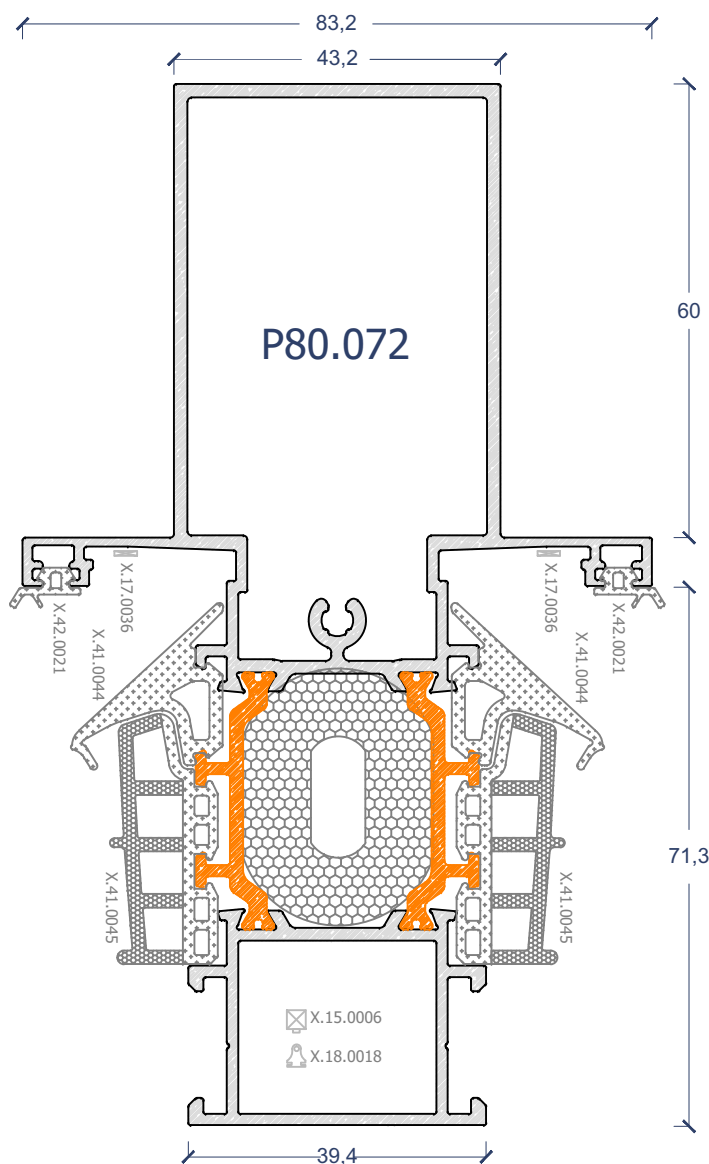
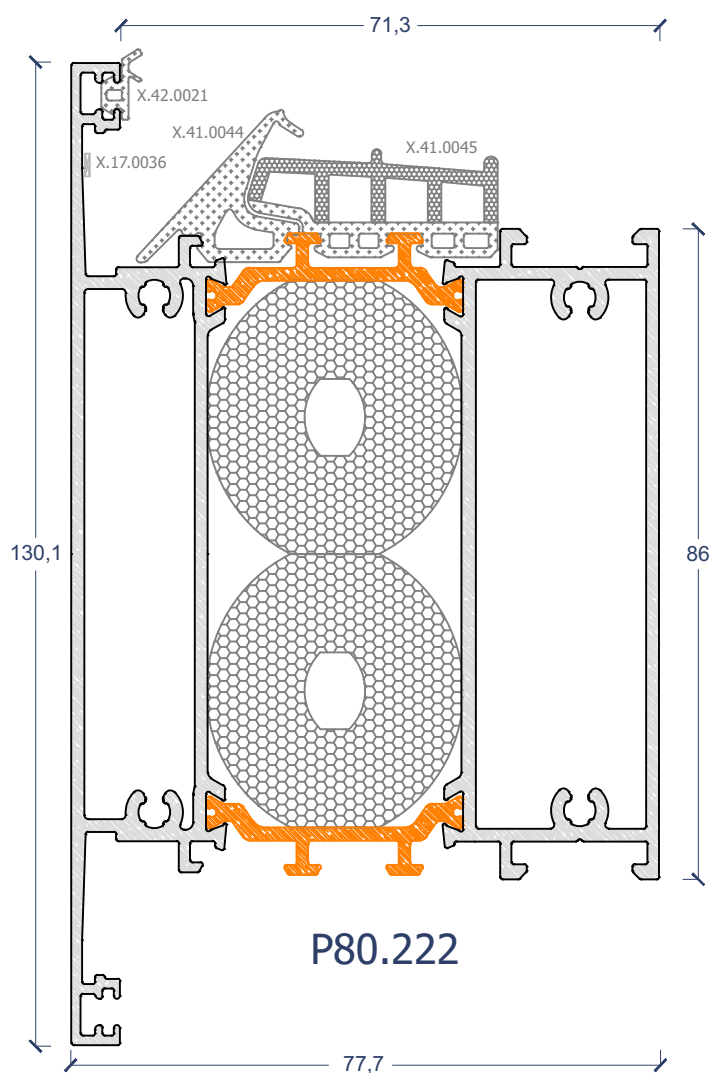
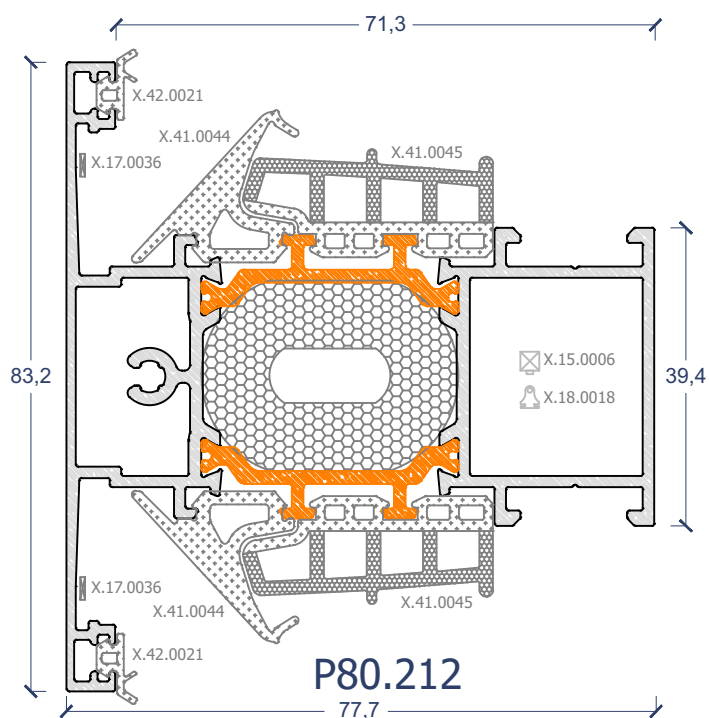
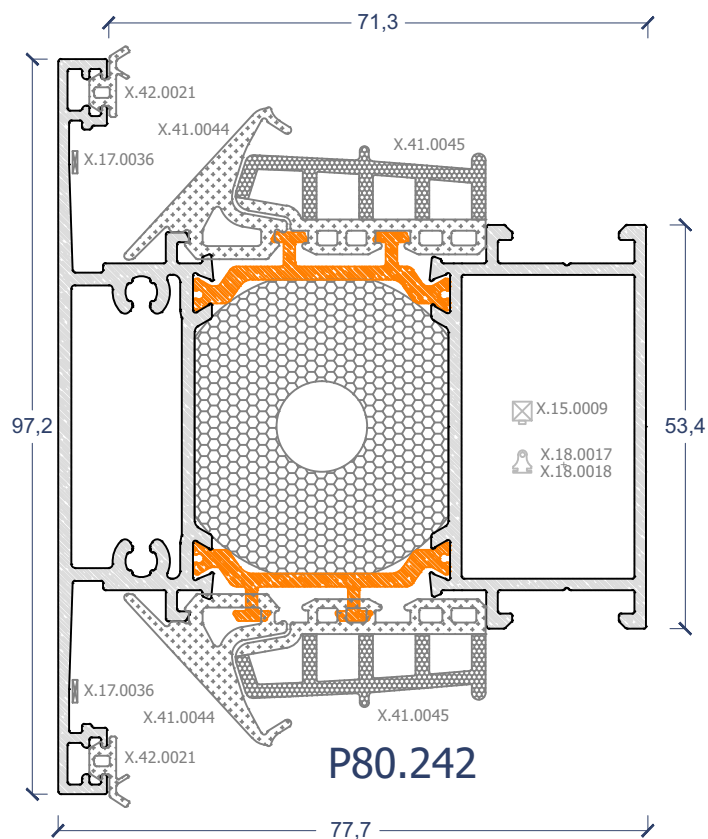
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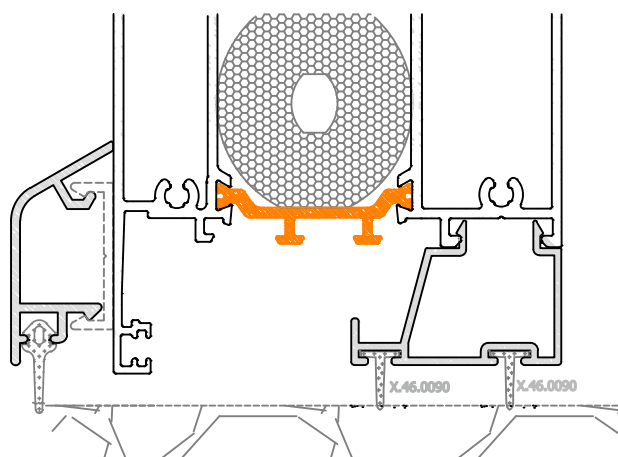
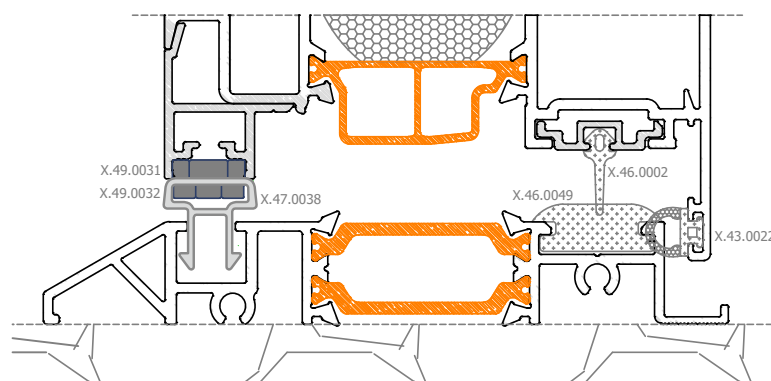
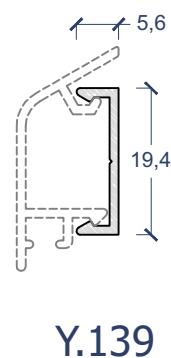
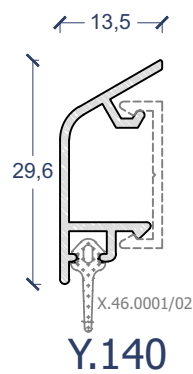
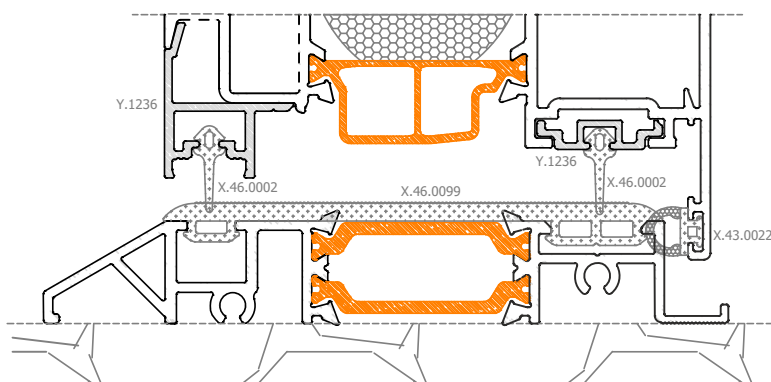
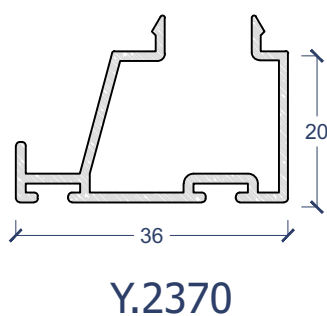
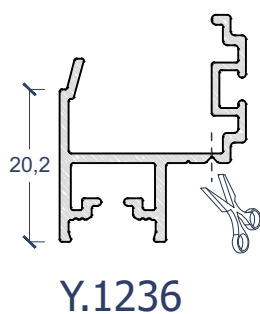
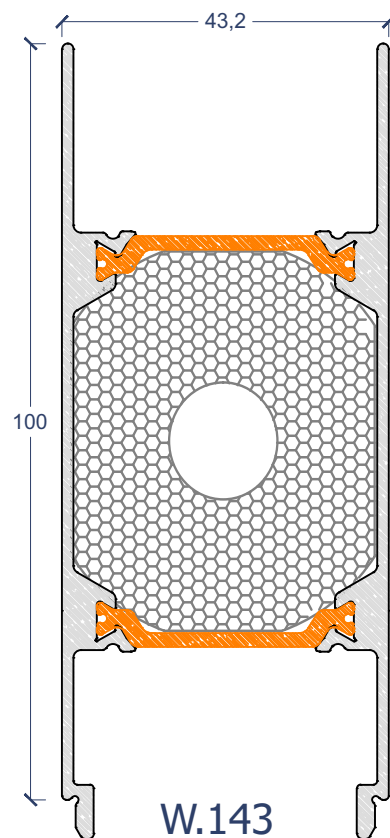
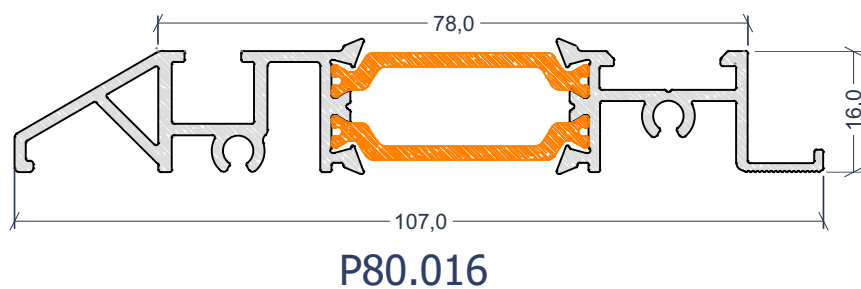
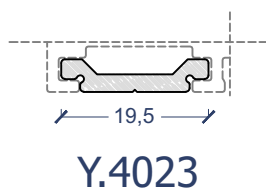
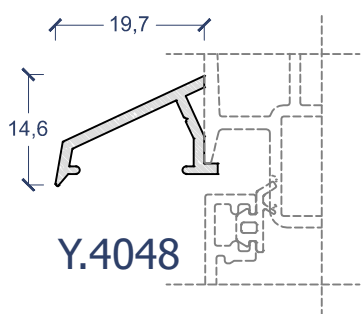


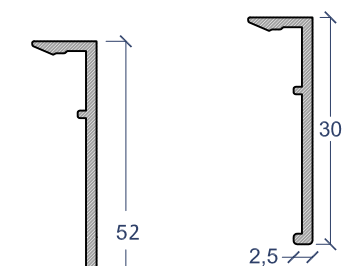
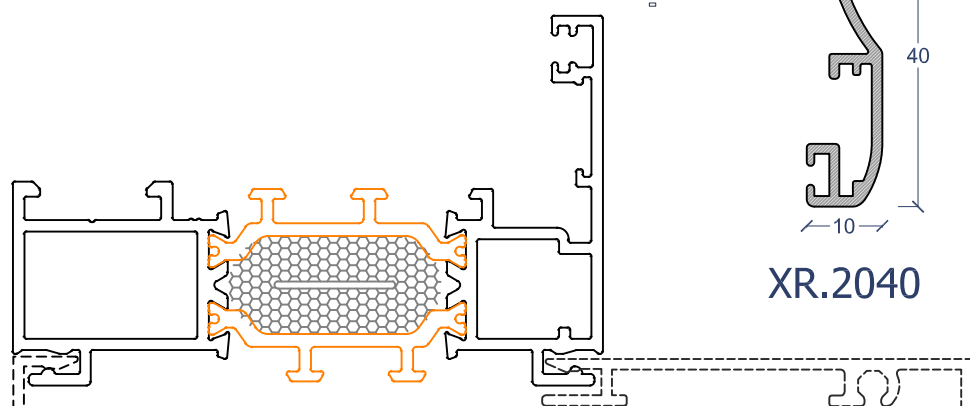
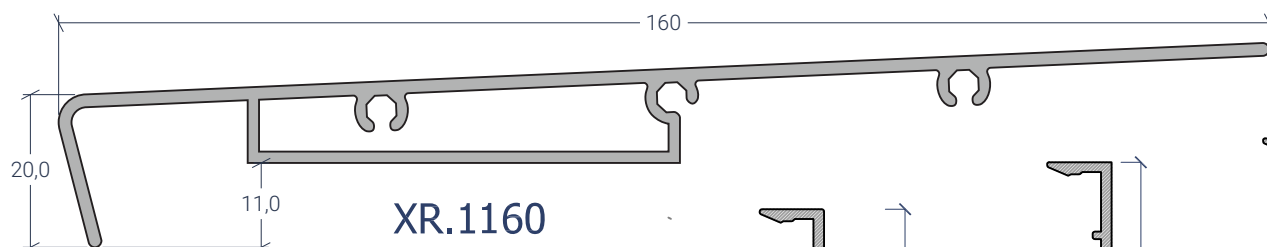
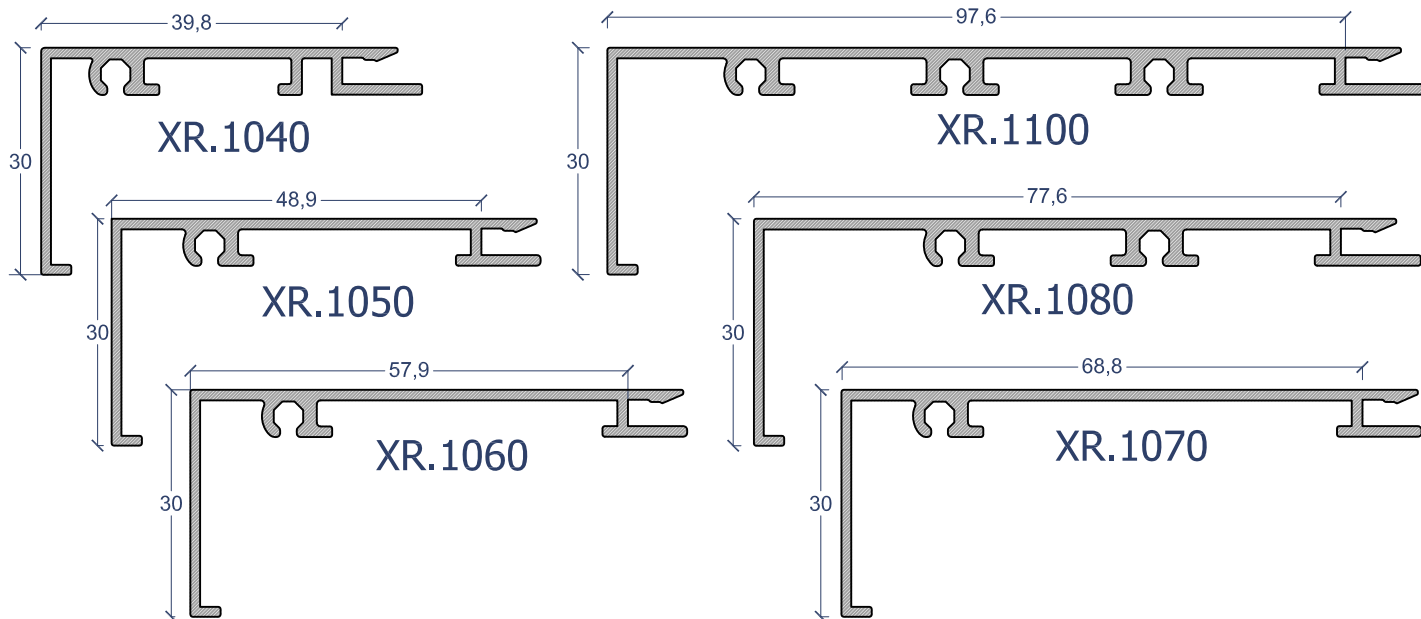
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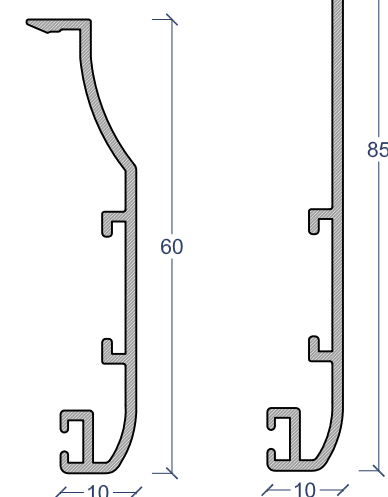
Y.0233







XR.2052

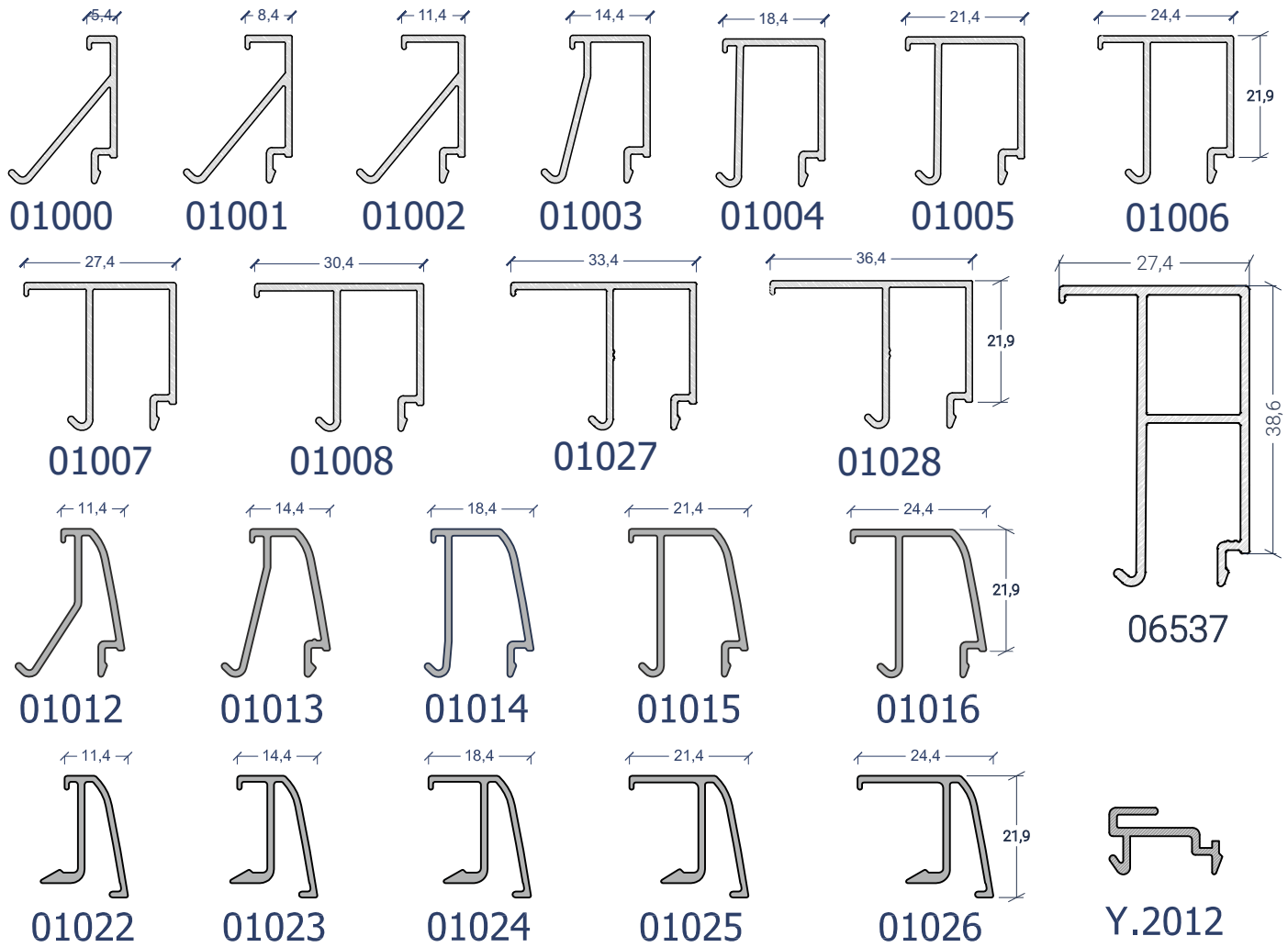


XR.2060

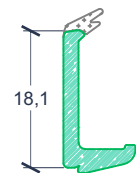
XR.2085

Medida da caixa de isolamento (mm)

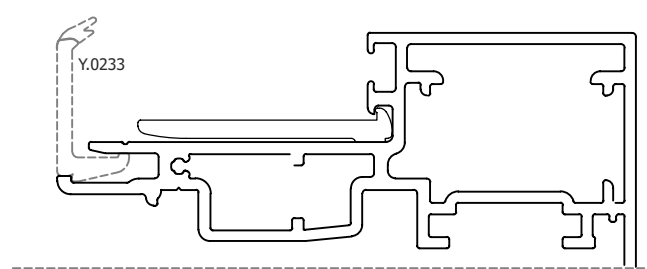
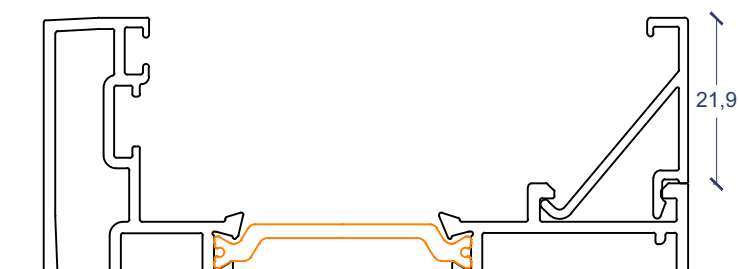
XR Exterior → XR Interior ↓	XR.2030 XR.2052	XR.1040	XR.1050	XR.1060	XR.1070	XR.1080	XR.1100
XR.2030	76	116	125	134	145	154	174
XR.2040/52/60/85	74	114	123	132	143	152	172
XR.1040	114	154	163	172	183	192	212
XR.1050	123	163	172	181	192	201	221
XR.1060	132	172	181	190	201	210	230
XR.1070	143	183	192	201	212	221	241
XR.1080	152	192	201	210	221	230	250
XR.1100	172	212	221	230	241	250	270

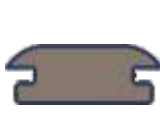
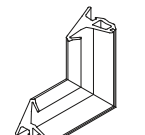
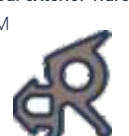
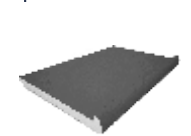
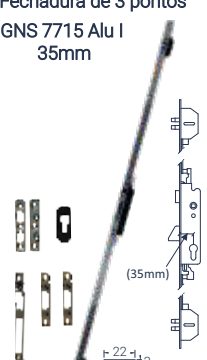


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71,3			
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37,9		33,4	01027
40,9		30,4	01008
43,9		27,4	01007
46,9		24,4	01006 01016 01026
49,9		21,4	01005 01015 01025
52,9		18,4	01004 01014 01024
56,9		14,4	01003 01013 01023
59,9		11,4	01002 01012 01022
62,9		8,4	01001
65,9		5,4	01000



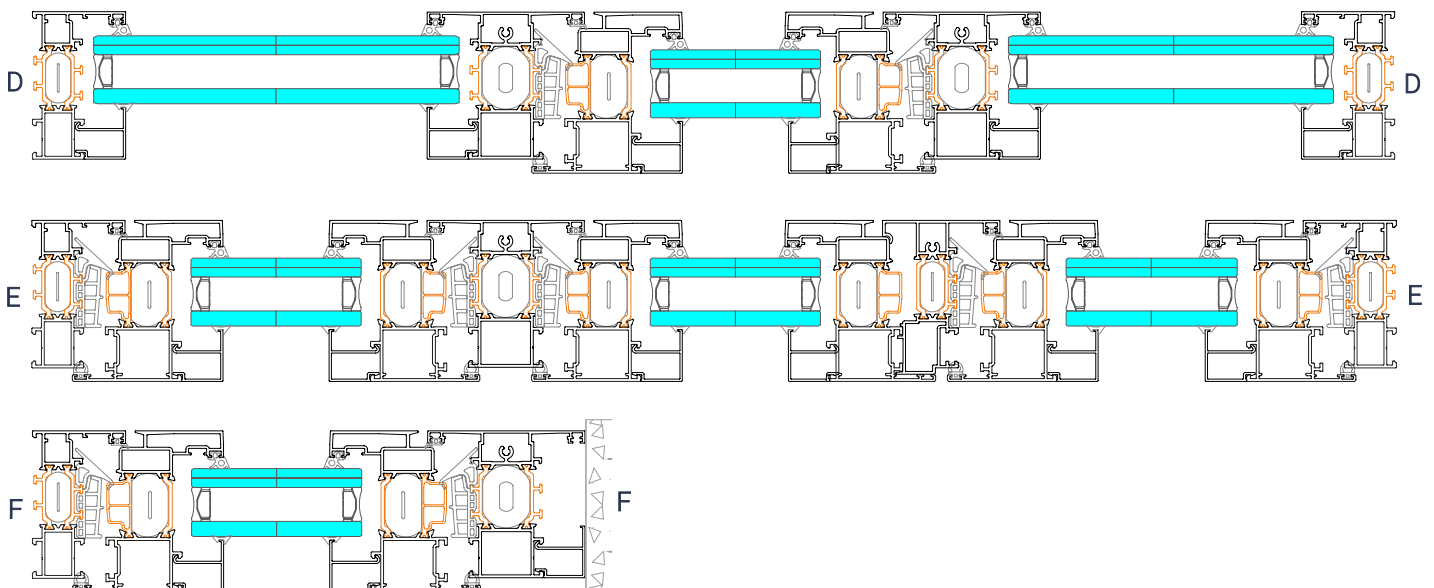
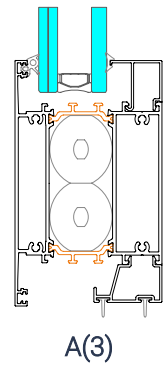
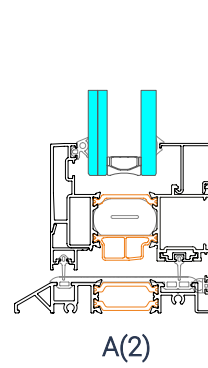
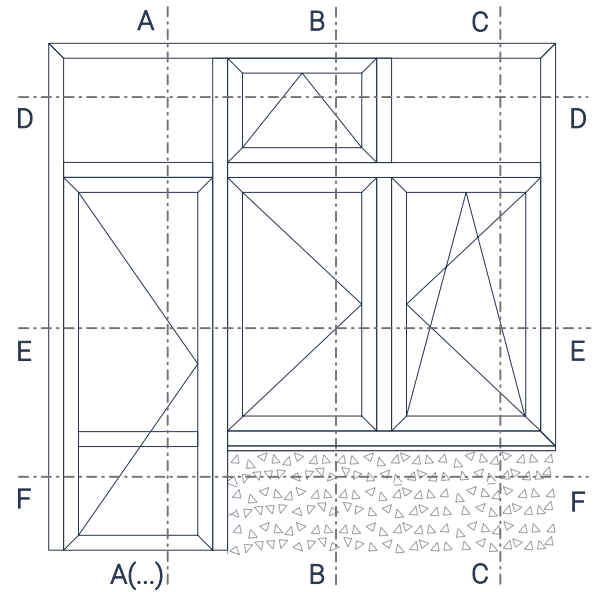
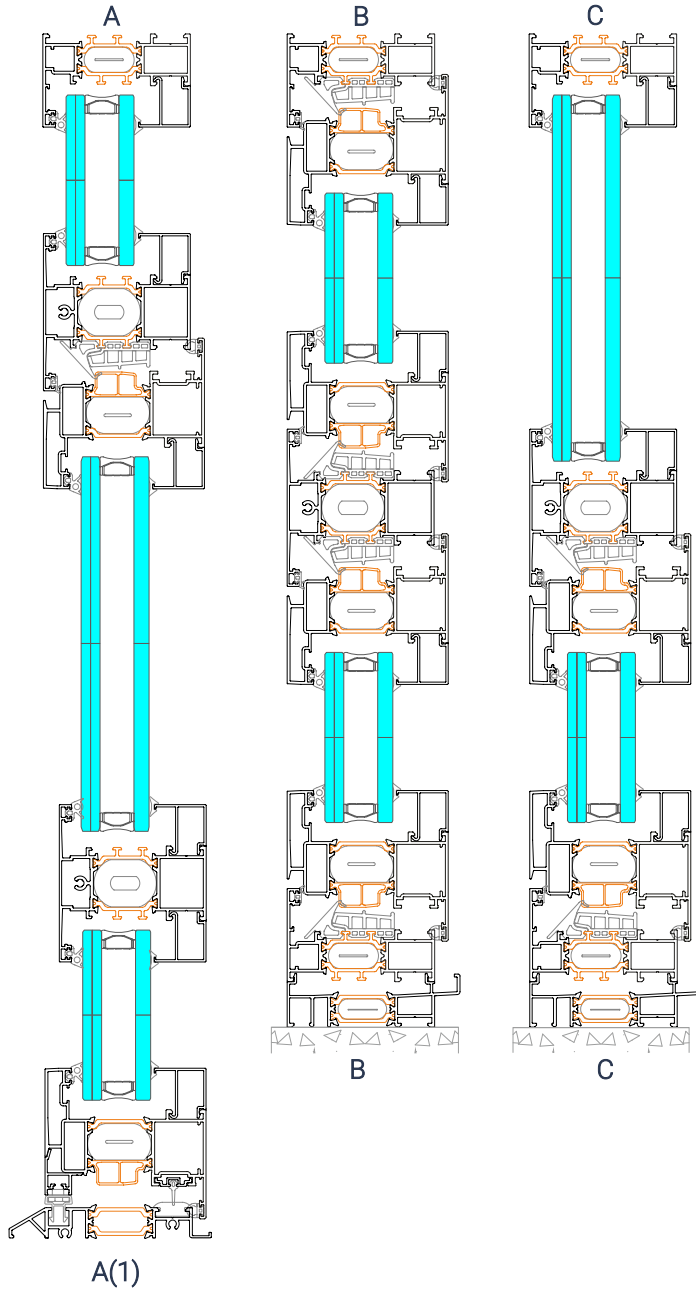
Y.0233

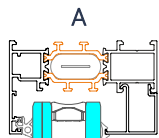


X.15.0005 Esq. R26 PC8 (23x14) 	X.17.0008 Esq. Alinh. (2x9) Parafuso 	X.41.0044 Vedante Central 	X.46.0099 Vedante Soleira P80.016 EPDM 	X.50.0130 Topo inversor P80.215 	X.19.0024 Esq. fixador Xarriots 
X.15.0006 Esq. R26 P8C (23x26) 	X.17.0036 Esq. Alinh. (1x12,7) 	X.41.0045 Base Vedante Central 	X.46.0049 Ved. Soleira Magnética 	X.50.0137 Topo inversor P80.315 	X.19.0049 Esq. fixador Xarriots 
X.15.0009 Esq. R26 PC8 (23x40) 	X.17.0020 Esq. Alinh. (1,7x5) 	X.41.0050 Canto Vulcanizado 	X.49.0031 Magnético superior 	X.52.0012 Goteira c/ deflector 	X.55.0040 Fixad. Esq XR 1040/80/100 
X.15.0016 Esq. R26 PD8 (23x26) 	X.18.0017 União Trav. (22x14) 	X.42.0021 Vedante aro fixo 	X.49.0032 Magnético inferior 	X.52.0051 Topo sol. cond. R6006/26 	X.55.0042 Fixador Esq XR 1060 
X.15.0017 Esq. R26 PD8 (23x14) 	X.18.0018 União Trav. (22x26) 	X.43.0022 Vedante aro móvel 	X.47.0078 PVC Porta-magnético 	X.50.0035 Topo pingadeira Y.140 	X.55.0043 Fixador Esq XR 1050 
X.15.0024 Esq. R26 PC5 (10x13) 	X.15.0028 Esq. R26 PD5 (10x13) 	X.44.0056 Ved. exterior vidros EPDM 	X.46.0001 Vedante da pingadeira EPDM 	X.55.0075 Suporte de vidro f. oculta 	X.55.0044 Fixador Esq XR 1070 
X.15.0025 Esq. R26 PC5 (10x25) 	X.15.0029 Esq. R26 PD5 (10x25) 	X.44.0056 Ved. Aro Fixo F. Oculta EPDM 	X.46.0002 Vedante de pingadeira EPDM 	X.38.2063 Fechadura de 3 pontos GNS 7715 Alu I 35mm 	X.67.1071 Cilindro Standard 30x80 
X.15.0026 Esq. R26 PC5 (10x10) 	X.17.0071 Esq. Alinh. XR (1,8x18) 	X.46.0090 Vedante de pingante 	X.38.2060 Fechadura de prumo GNS 7716 Alu I 35 mm 		X.67.1078 Cilindro Segurança 30x80 

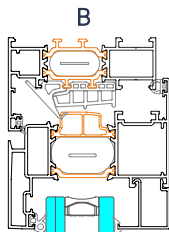
Acessórios de manobra:

Dobradiças, Cremones, Sistemas de movimento e fecho, etc. Ver catálogo de acessórios por manobra.

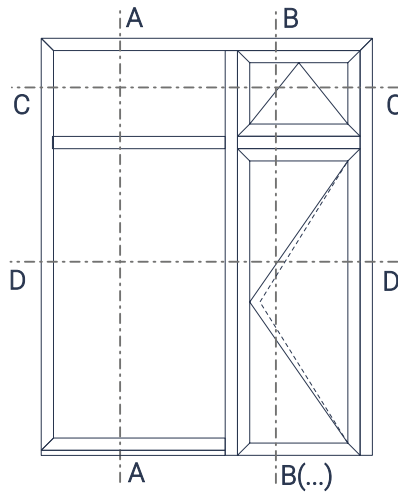




A



B



A

B

C

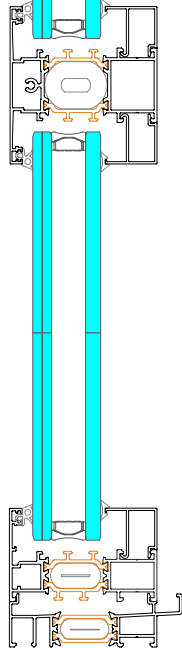
C

D

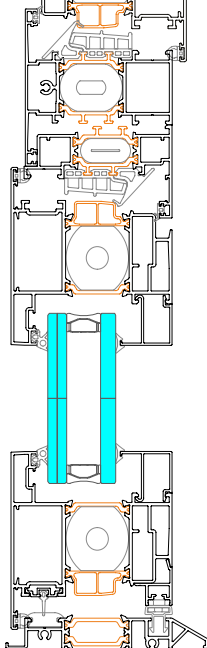
D

A

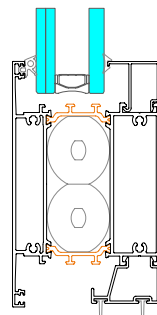
B(...)



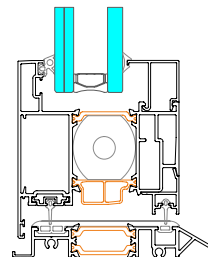
A



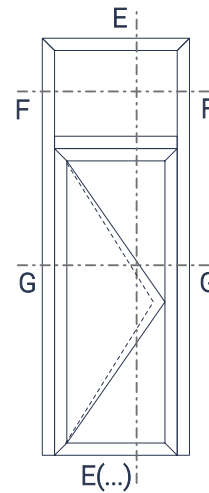
B(1)



B(2)/E(2)



B(3)/E(3)



E

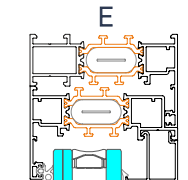
F

F

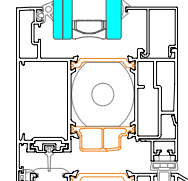
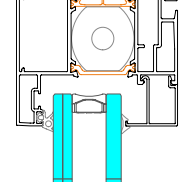
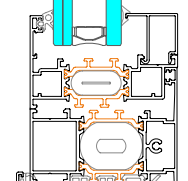
G

G

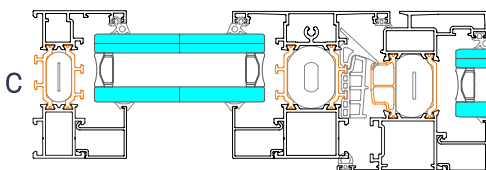
E(...)



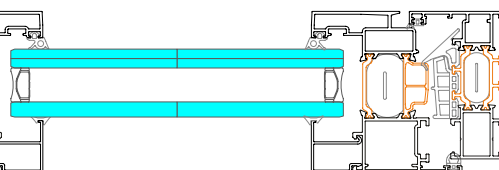
E



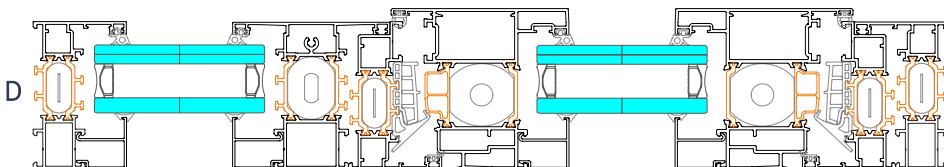
E1)



C

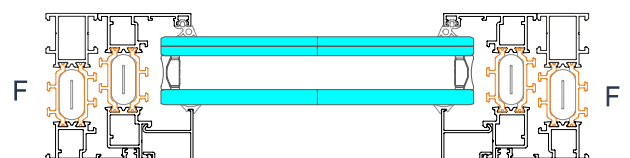


C



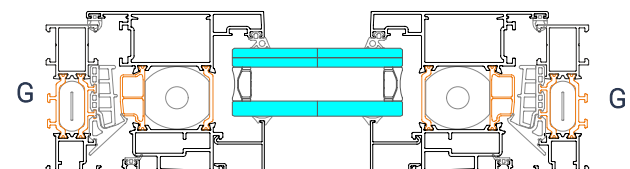
D

D



F

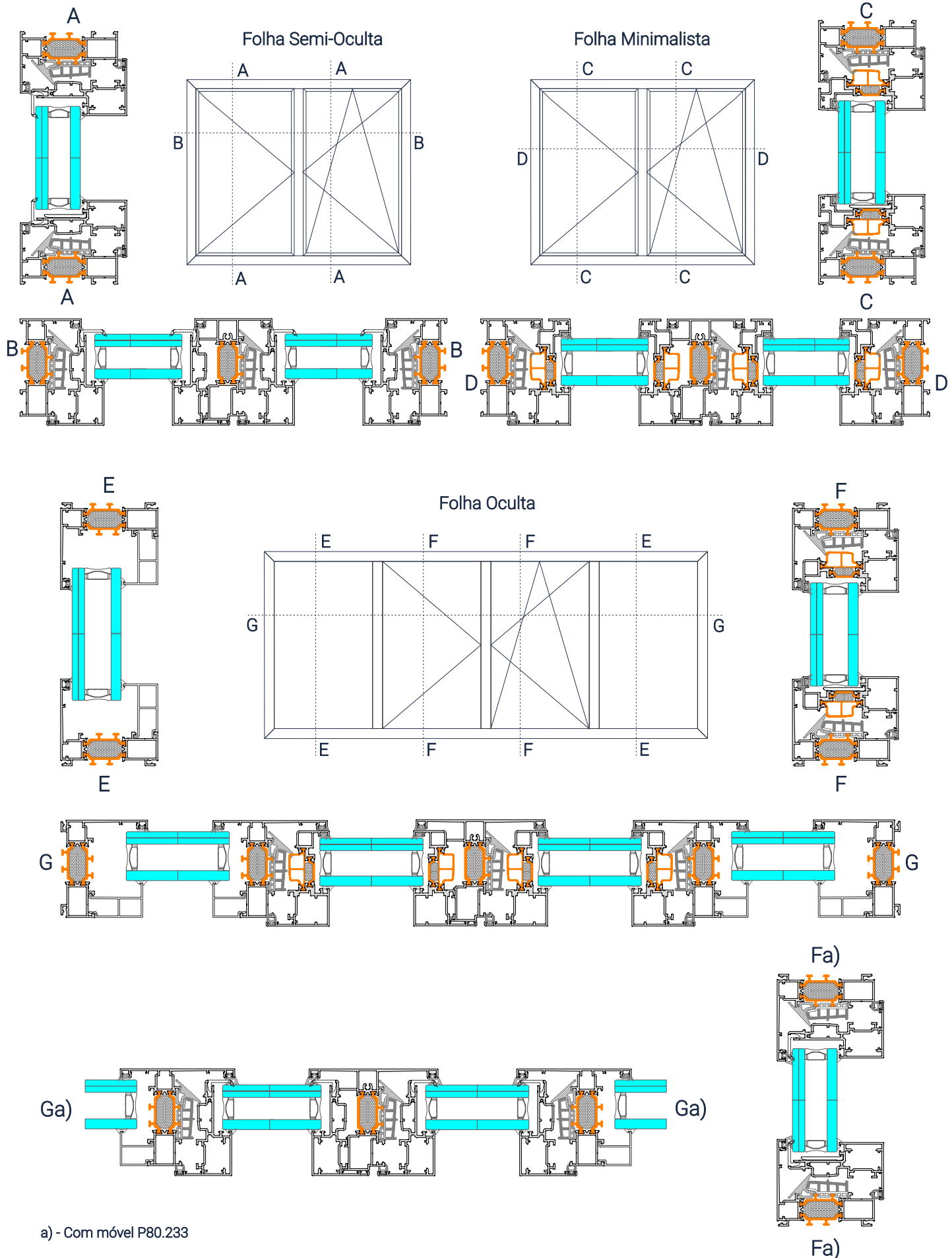
F

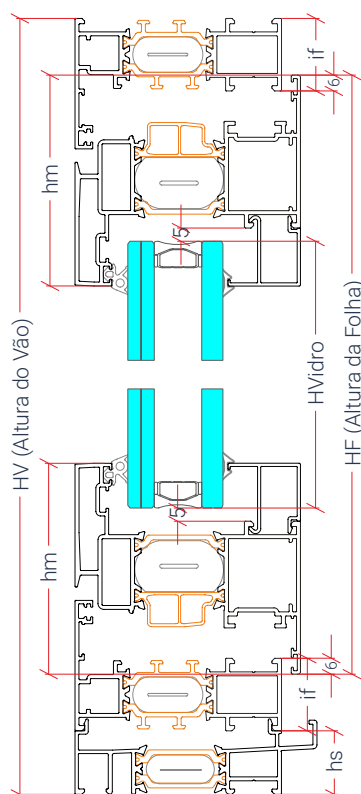


G

G

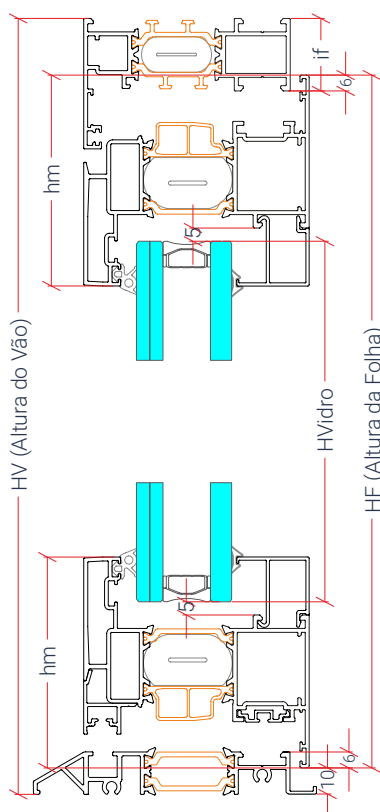
Pormenores - Folha Minimalista, Oculta e Semi-oculta



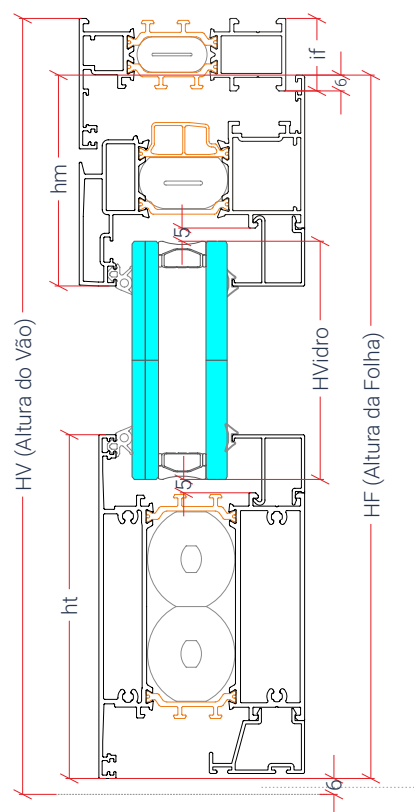


$$HF = (HV + 12) - (2 \times if + hs)$$

$$H_{Vidro} = HF + 34 - 2 \times hm$$

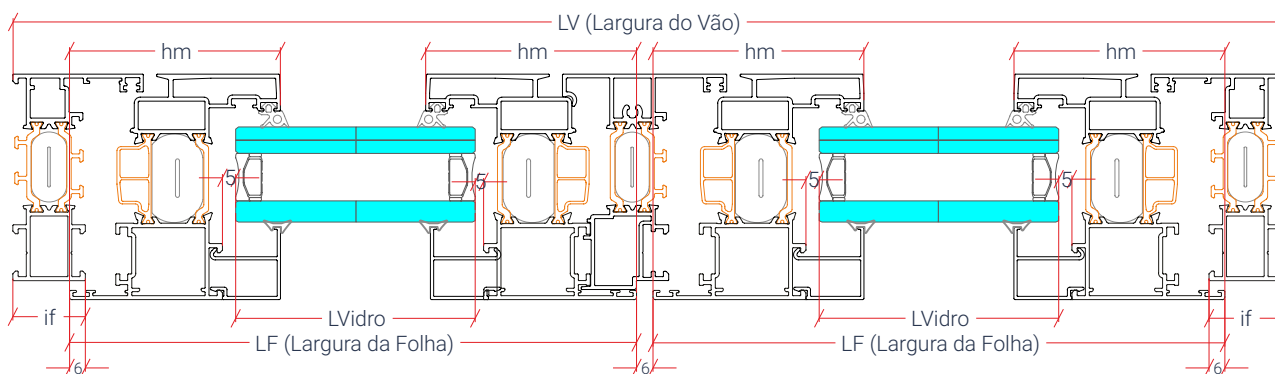


$$HF = HV - if - 4$$



$$HF = HV - if$$

$$H_{Vidro} = HF + 34 - (hm + ht)$$



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

$$L_{Vidro} = LF + 34 - 2 \times hm$$

LEGENDA:

HV - Altura do Vão

LV - Largura do Vão

HF - Altura da Folha

LF - Largura da Folha

nF - N° de folhas

LVidro - Largura do Vidro

HVidro - Altura do Vidro

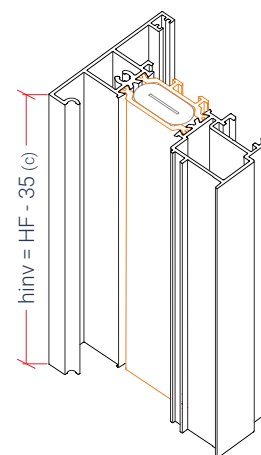
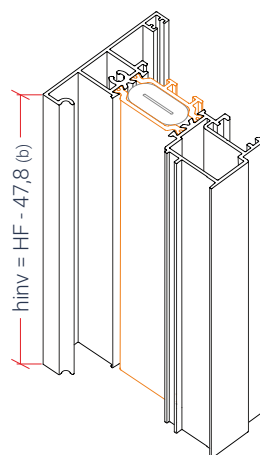
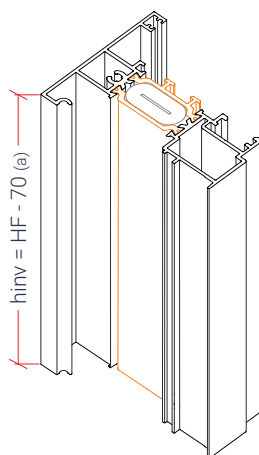
if - Altura interior do aro fixo

hs - Altura da soleira de condensação

hm - Altura do aro móvel

ht - Altura da travessa

hinv - Altura do inversor central



(a)- c/aro fixo a toda a volta; (b)- c/soleira de porta; (c)- s/aro e sem soleira