



# A.175

SISTEMA DE BATENTE RPT

## CATÁLOGO TÉCNICO

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**etrusal**<sup>®</sup>  
Alumínio com perfil humano.

**Casa da Galeria - Azores Art of Hosting**  
M-Arquitectos  
Ponta Delgada, Açores

**extrusal**<sup>®</sup>  
Alumínio com perfil humano.

# 01

## A.175

sistema de abrir RPT

junho . 2024 . r1





Extrusal

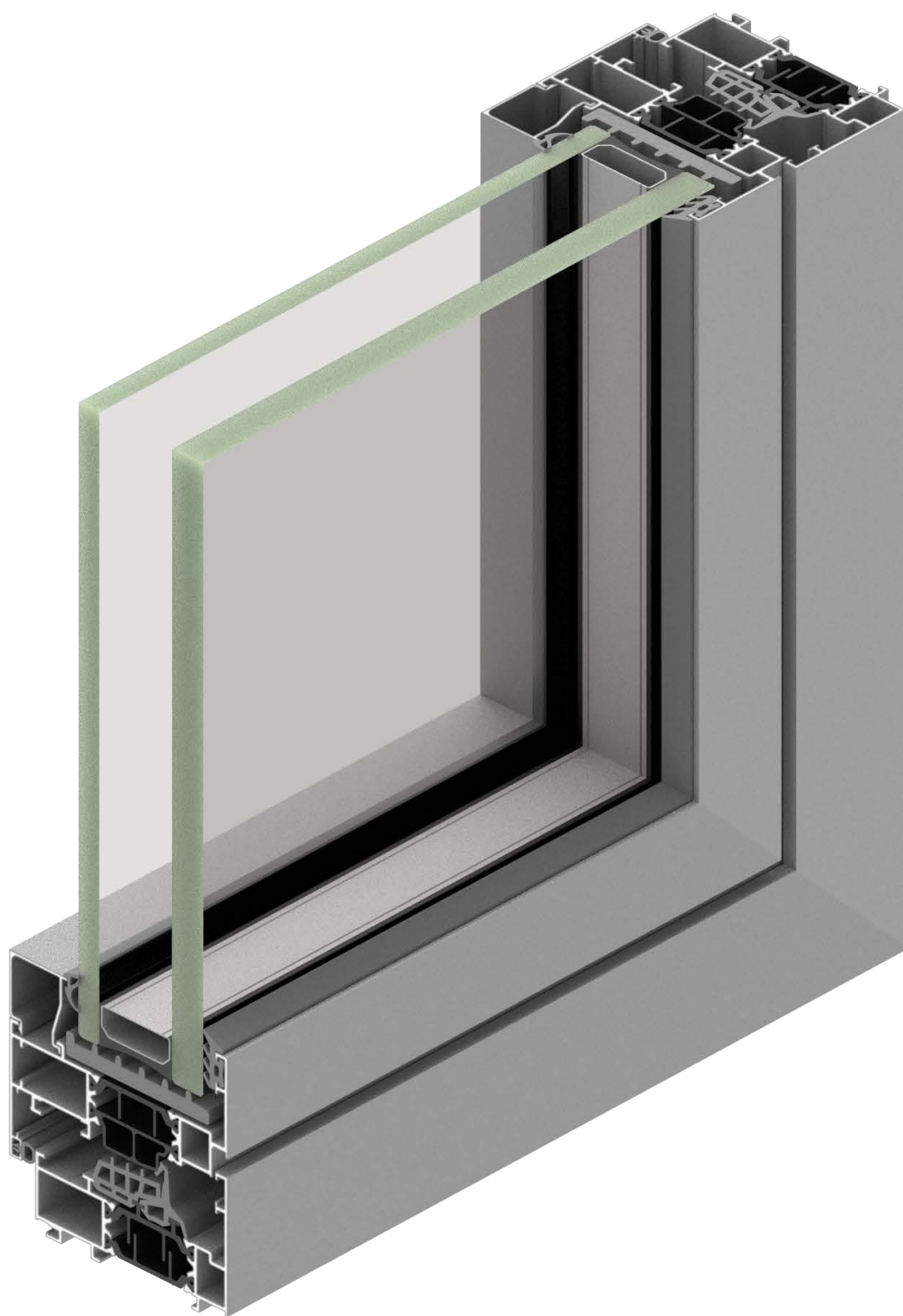
**SENSI Azores Nature & SPA**  
Arq. Luís Almeida e Sousa  
Ponta Delgada, Açores

# 01

## **DETALHE 3D**

sistema de abrir RPT

A.175



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# 02 **CARAC. TÉCNICAS**

sistema de abrir RPT

A.175

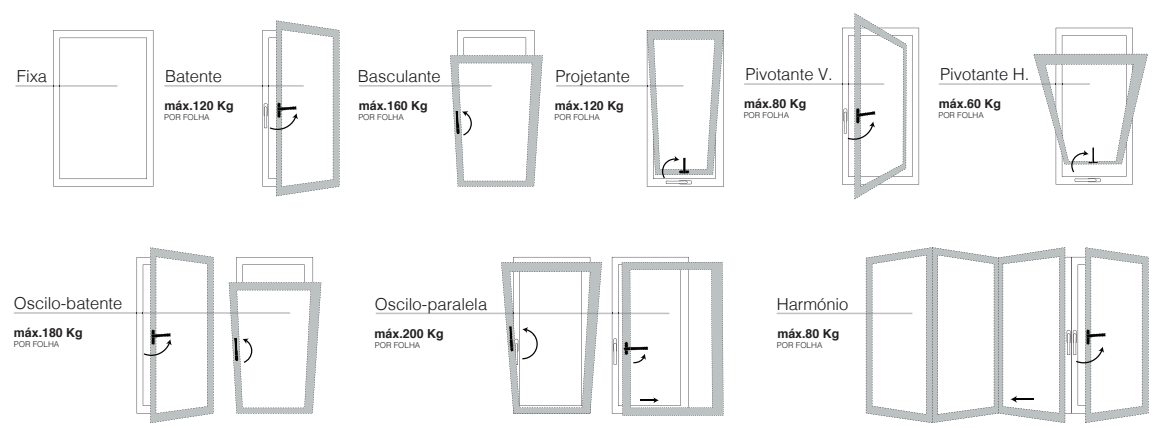


Aplicação

Construção Nova / Reabilitação



Tipologias Abertura



Peso máximo | folha

200 kg



Altura máxima | folha

2600 mm



Largura máxima | folha

1700 mm



Vista da folha

87,6 mm



Enchimento máximo

54 mm



Certificados  
Produto & Sistema Gestão Qualidade e Ambiente

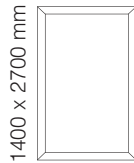


Extrusal

**++** Desempenho Acústico

39 dB

**☒** Coeficiente Transmissão Térmica



Vidro Ug  $0.9 \text{ W/m}^2\text{K}^{-1}$   
**1.3**  
EN ISO 10077-1

Vidro Ug	Janela Uw
$1.1 \text{ W/m}^2\text{K}^{-1}$	$1.5 \text{ W/m}^2\text{K}^{-1}$
$1.0 \text{ W/m}^2\text{K}^{-1}$	$1.4 \text{ W/m}^2\text{K}^{-1}$
$0.9 \text{ W/m}^2\text{K}^{-1}$	$1.3 \text{ W/m}^2\text{K}^{-1}$



**☐** Ensaio Tipo Inicial

**Permeabilidade ao ar**  
(pressão máx. ensaio / EN12207) Classe **4**

**Estanquidade à água**  
(EN12208) Classe **E1350**

**Resistência à ação do vento**  
(EN12210) Classe **C5**

**Boletim de ensaio: CXL 26/12. Organismo notificado nº 0856**  
Dimensão: 1600 mm x 2000 mm. Janela composta por duas folhas móveis, uma oscilo-batente e outra de batente.

**☐** Perfis Alumínio

**Liga EN-AW 6060**  
EN 573-3 | EN 755-2  
EPM T6

**PA 6.6 GF 25**  
25% fibra de vidro  
34 mm

Comprimento Nominal **6500 mm**  
Espessura Nominal **1.5 mm**

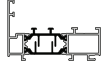

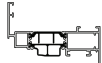

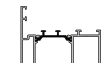



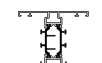

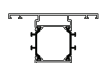



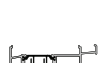













$R_{p0.2} \geq 120 \text{ MPa}$   
 $R_m \geq 160 \text{ MPa}$   
 $A_{50mm} \geq 6\%$

**☐** Tratamentos





























**Anodização - Acabamento Acetinado e Polido**  
Licença QUALANOD nº1402, desde 1983

**Lacagem - Acabamento mate | brilhante | acetinado | metalizado | Texturado**  
Licença QUALICOAT nº808, desde 1995

**Lacagem Decorativa**  
Efeito Madeira










Perfil	Ref.	Área Anod.	Polir	Inércia Ixx	Iyy	Pág.	Perfil	Ref.	Área Anod.	Polir	Inércia Ixx	Iyy	Pág.
	A.175.010	36,39	7,80	4,92	28,73	20		A.175.170	39,55	11,75	14,79	43,37	32
	A.175.020	43,28	10,30	7,43	42,93	24		A.175.200	50,10	14,35	27,12	49,32	22
	A.175.040	44,29	11,25	21,02	43,09	20		A.175.210	41,44	15,30	40,96	41,12	43
	A.175.050	51,24	14,25	26,46	65,98	24		A.175.260	66,35	31,65	334,67	51,21	30
	A.175.060	42,66	10,80	34,96	9,42	28		A.175.270	43,07	10,30	7,45	34,04	22
	A.175.070	50,55	14,65	47,94	28,05	28		A.175.280	47,16	13,15	27,43	72,00	23
	A.175.080	60,35	25,65	204,03	44,69	29		A.175.300	45,02	10,35	8,84	44,42	26
	A.175.090	31,25	7,30	1,76	33,28	42		A.175.310	52,94	14,30	29,26	67,28	26
	A.175.100	50,79	14,65	29,59	69,86	25		A.175.320	49,09	14,65	28,24	59,17	27
	A.175.120	50,64	14,20	26,70	65,33	25		A.175.330	50,66	20,00	26,13	78,18	43
	A.175.130	51,79	45,60	27,77	59,80	31		A.175.340	40,45	10,30	33,13	7,63	27
	A.175.140	35,10	7,80	4,10	28,98	31		A.175.350	41,89	10,75	8,13	34,09	23
	A.175.150	39,34	7,80	5,27	31,24	21		A.175.360	34,82	4,45	1,22	30,40	42
	A.175.160	34,58	6,00	4,65	25,76	21		A.175.910	36,39	7,80	4,92	28,73	32

Unidades: Área Anodização (dm<sup>2</sup>/m)  
Área Polimento (dm<sup>2</sup>/m)  
Inércia (cm<sup>4</sup>)

Perfil	Ref.	Área		Inércia		Pág.	Perfil	Ref.	Área		Inércia		Pág.
		Anod.	Polir	lxx	lyy				Anod.	Polir	lxx	lyy	
	A.175.930	51,79	15,60	27,77	59,71	33		F.009.139	8,70	1,80	-	-	44
	A.055.015	19,08	2,60	-	-	44		F.009.155	18,21	7,20	1,11	2,57	39
	A.055.090	39,07	22,60	155,82	19,80	34		F.009.156	26,20	10,20	1,28	11,66	39
	A.055.110	22,56	13,20	3,80	29,52	35		F.009.157	30,20	12,20	1,34	22,27	39
	A.080.029	25,73	-	33,67	19,29	35		F.010.140	12,07	3,60	-	-	44
	A.100.013	5,24	1,50	-	-	44		A.040.004	17,88	5,45	-	-	40
	A.100.023	12,48	1,80	-	-	44		A.040.025	14,54	3,85	-	-	40
	B.055.580	27,98	14,40	1,36	29,06	36		A.040.026	15,84	4,50	-	-	40
	B.095.080	27,98	14,40	1,38	49,54	36		A.040.039	14,12	3,45	-	-	40
	B.150.030	41,84	26,20	4,52	115,03	36		A.040.048	8,30	2,70	-	-	44
	F.009.135	33,54	15,50	1,41	38,65	37		A.040.050	14,94	4,05	-	-	40
	F.009.136	49,00	18,00	0,63	121,44	38		A.040.069	9,81	2,75	-	-	40
	F.009.137	23,75	11,50	7,65	8,35	37		A.040.070	10,21	2,95	-	-	40
	F.009.138	14,07	6,60	1,05	1,13	37		A.040.107	16,55	4,85	-	-	40

Unidades: Área Anodização (dm<sup>2</sup>/m)  
Área Polimento (dm<sup>2</sup>/m)  
Inércia (cm<sup>4</sup>)



Perfil	Ref.	Área Anod.	Polir	Inércia lxx	lyy	Pág.	Perfil	Ref.	Área Anod.	Polir	Inércia lxx	lyy	Pág.
	<b>A.040.110</b>	17,65	5,00	-	-	<b>40</b>		<b>A.040.143</b>	16,19	4,65	-	-	<b>41</b>
	<b>A.040.133</b>	19,92	6,25	-	-	<b>41</b>		<b>A.040.144</b>	17,97	5,25	-	-	<b>41</b>
	<b>A.040.140</b>	10,63	3,15	-	-	<b>41</b>		<b>A.040.146</b>	19,86	6,25	-	-	<b>41</b>
	<b>A.040.141</b>	14,65	3,65	-	-	<b>41</b>		<b>A.040.147</b>	19,01	5,85	-	-	<b>41</b>
	<b>A.040.142</b>	15,33	4,25	-	-	<b>41</b>							

Unidades: Área Anodização (dm<sup>2</sup>/m)  
Área Polimento (dm<sup>2</sup>/m)  
Inércia (cm<sup>4</sup>)

**Produto**  
6

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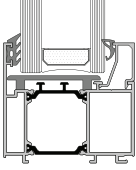
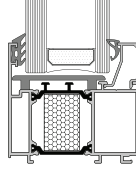
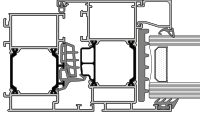
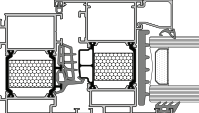
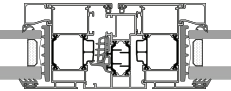
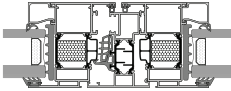
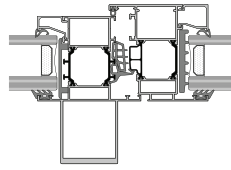
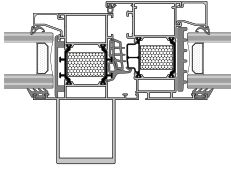
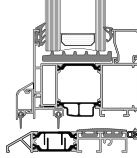
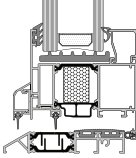
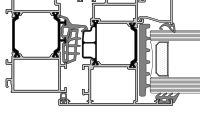
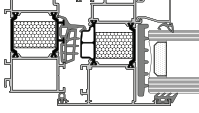
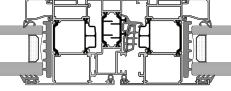
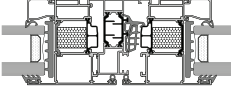
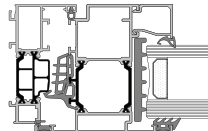
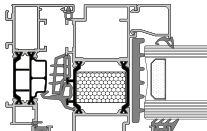
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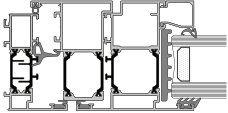
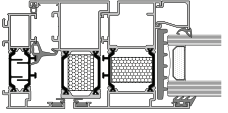
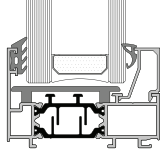
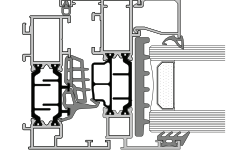
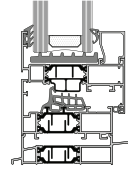
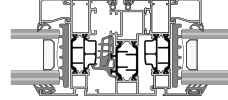
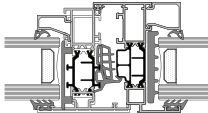
# COEFICIENTE TRANSMISSÃO TÉRMICA

A.175

Corte Construtivo	Ref.	Coef. Trans. Térmica	Corte Construtivo	Ref.	Coef. Trans. Térmica
	A.175.040	<b>2,31</b>		A.175.040	<b>1,54</b>
	A.175.040 A.175.050	<b>2,23</b>		A.175.040 A.175.050	<b>1,42</b>
	A.175.050 A.175.340	<b>2,24</b>		A.175.050 A.175.340	<b>1,61</b>
	A.175.050 A.175.080	<b>2,36</b>		A.175.050 A.175.080 A.175.340	<b>1,52</b>
	A.100.023 A.175.050 A.175.360	<b>2,61</b>		A.100.023 A.175.050 A.175.360	<b>2,07</b>
	A.175.040 A.175.120	<b>2,35</b>		A.175.040 A.175.120	<b>1,45</b>
	A.175.120 A.175.340	<b>2,24</b>		A.175.120 A.175.340	<b>1,64</b>
	A.175.130 A.175.140	<b>2,18</b>		A.175.130 A.175.140	<b>1,57</b>

Unidades: (Wm<sup>2</sup>/K)

Radiosity Method ISO 10077-2 : 2017 - FLIXO 18 PRO®

Corte Construtivo	Ref.	Coef. Trans. Térmica	Corte Construtivo	Ref.	Coef. Trans. Térmica
	A.175.170 A.175.910 A.175.930	<b>2,40</b>		A.175.170 A.175.910 A.175.930	<b>1,79</b>
	A.175.010	<b>2,01</b>		A.175.010 A.175.020	<b>1,86</b>
	A.175.010 A.175.020 A.175.090	<b>2,31</b>		A.175.020 A.175.340	<b>1,88</b>
	A.175.060 A.175.020	<b>1,84</b>			

Unidades: (Wm<sup>2</sup>K)

Radiosity Method ISO 10077-2 : 2017 - FLIXO 18 PRO®

Produto  
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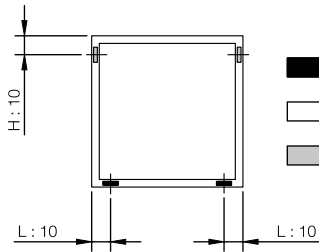
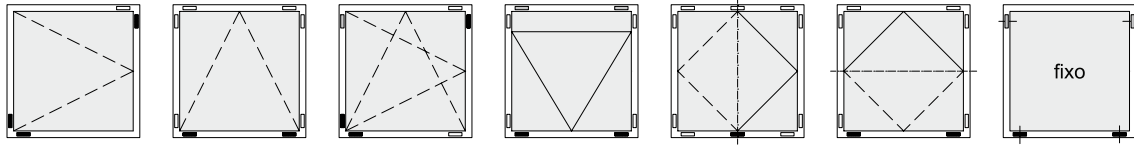
Instruções Fabrico  
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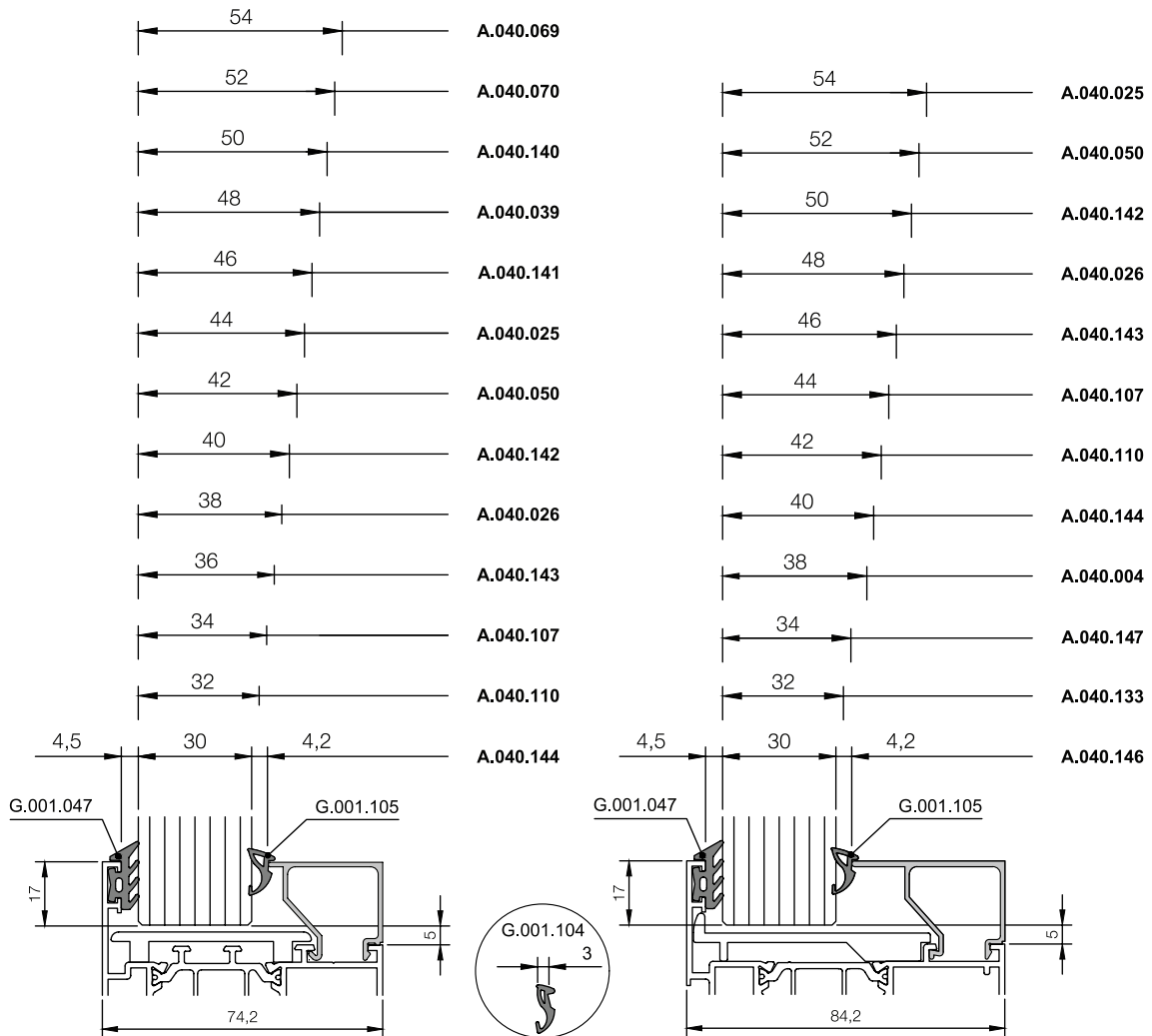
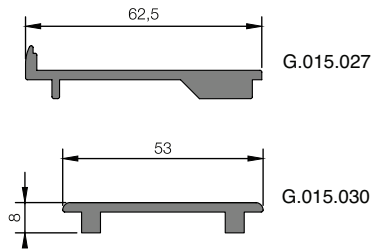
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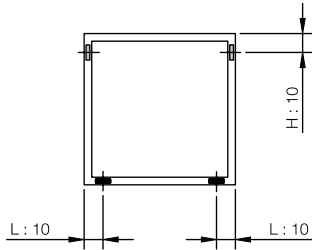
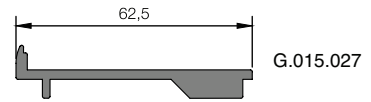
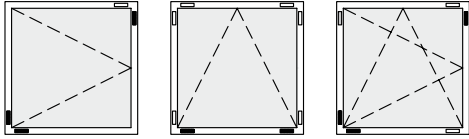
# PERFIL ENVIDRAÇAMENTO

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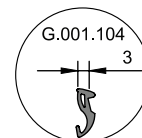
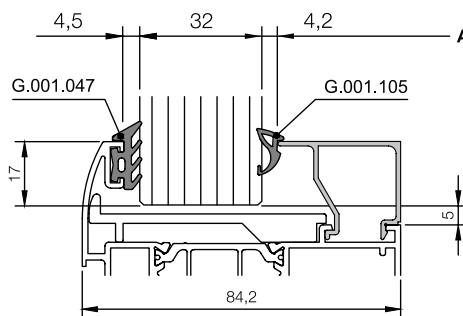
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- Calço Periférico
- Calço Periférico de Segurança





- Calço de Apoio
- Calço Periférico
- Calço Periférico de Segurança

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# 03

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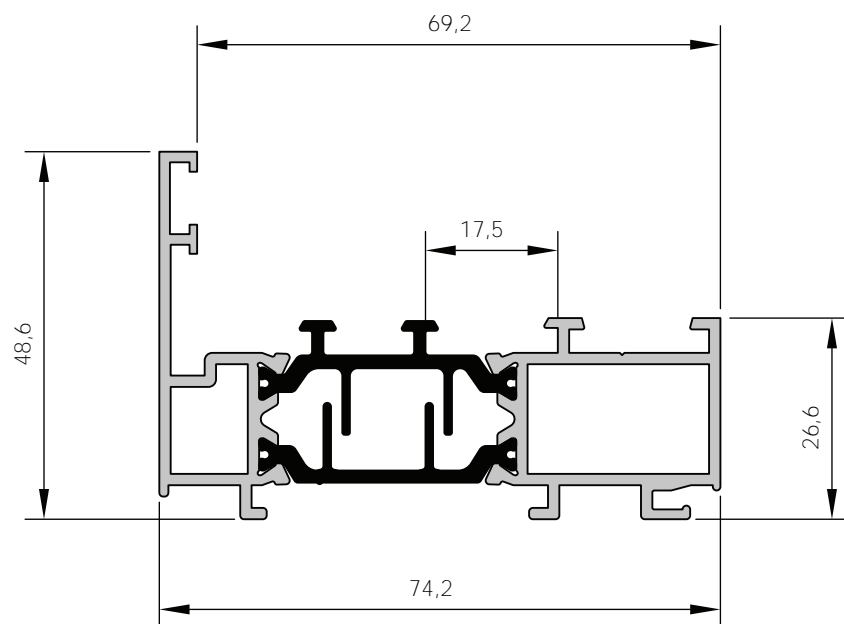
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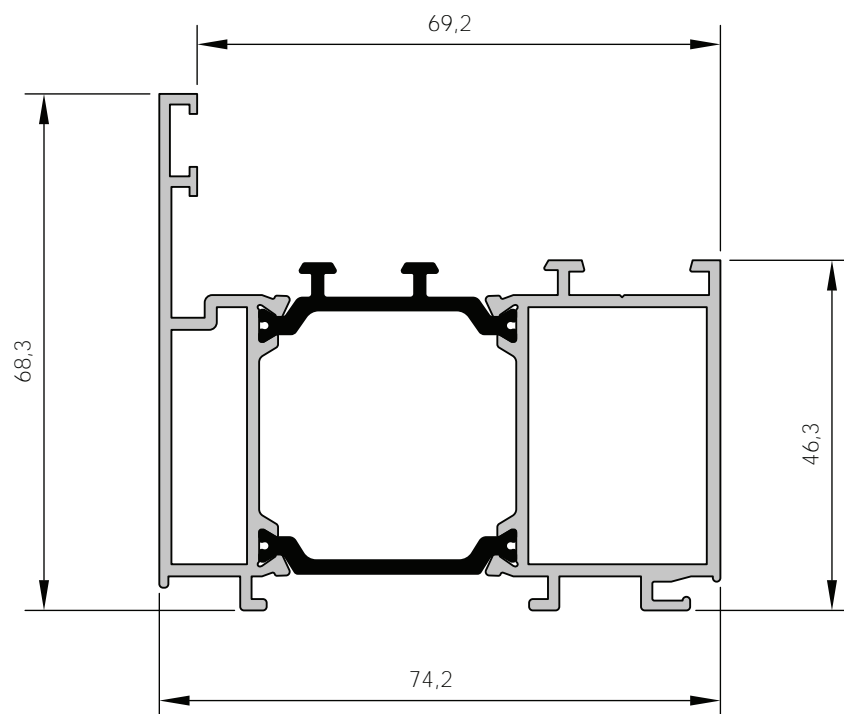
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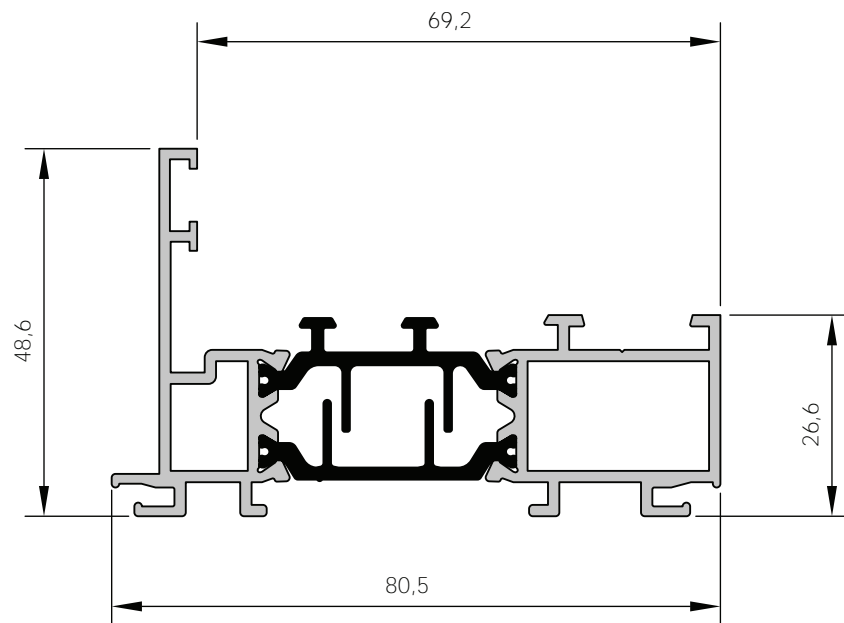
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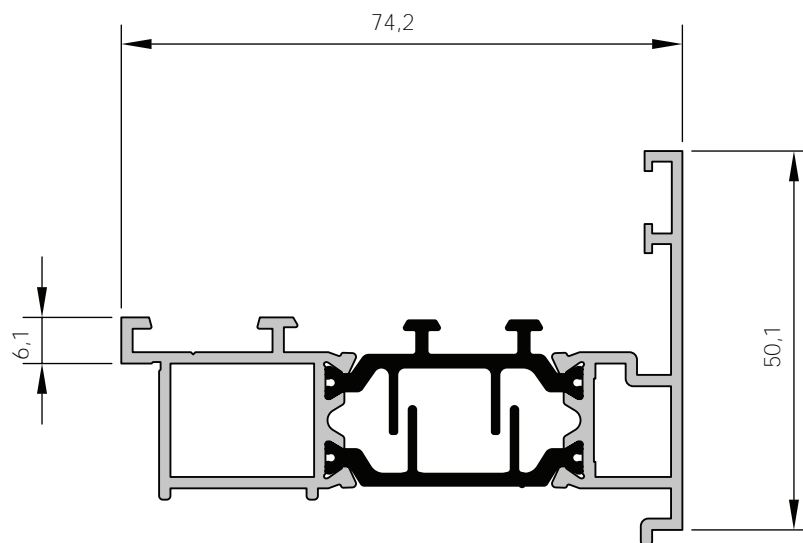
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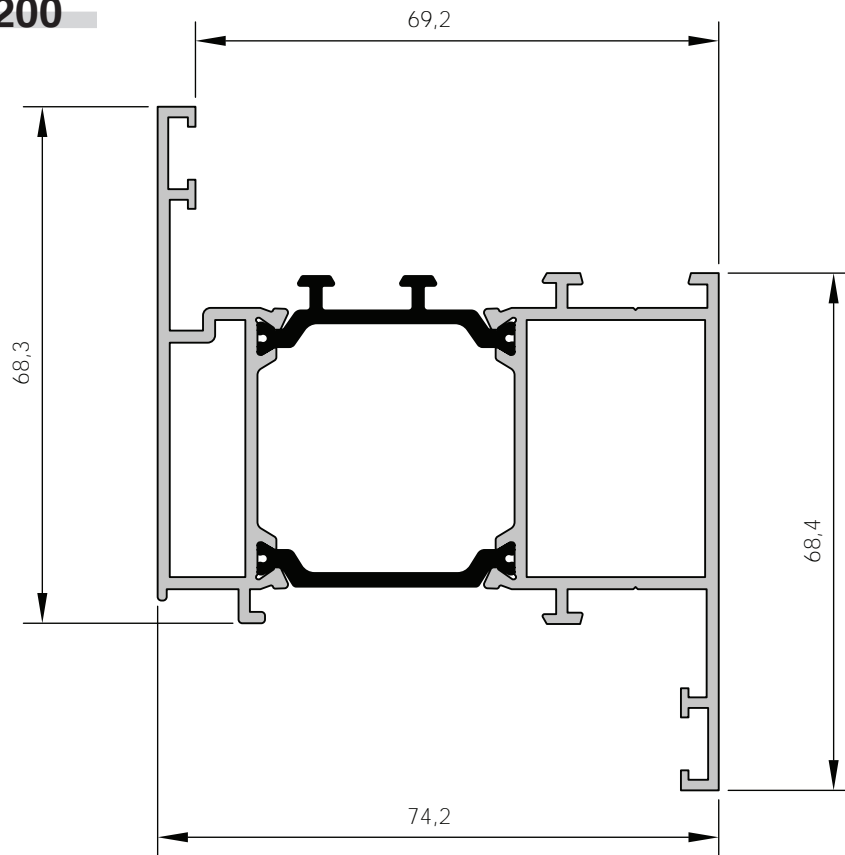


## A.175.160

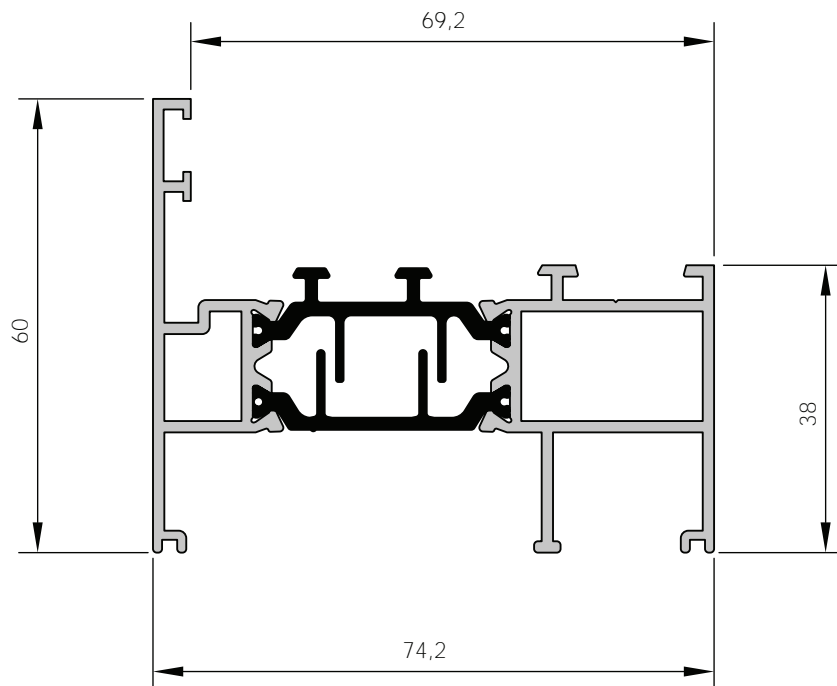


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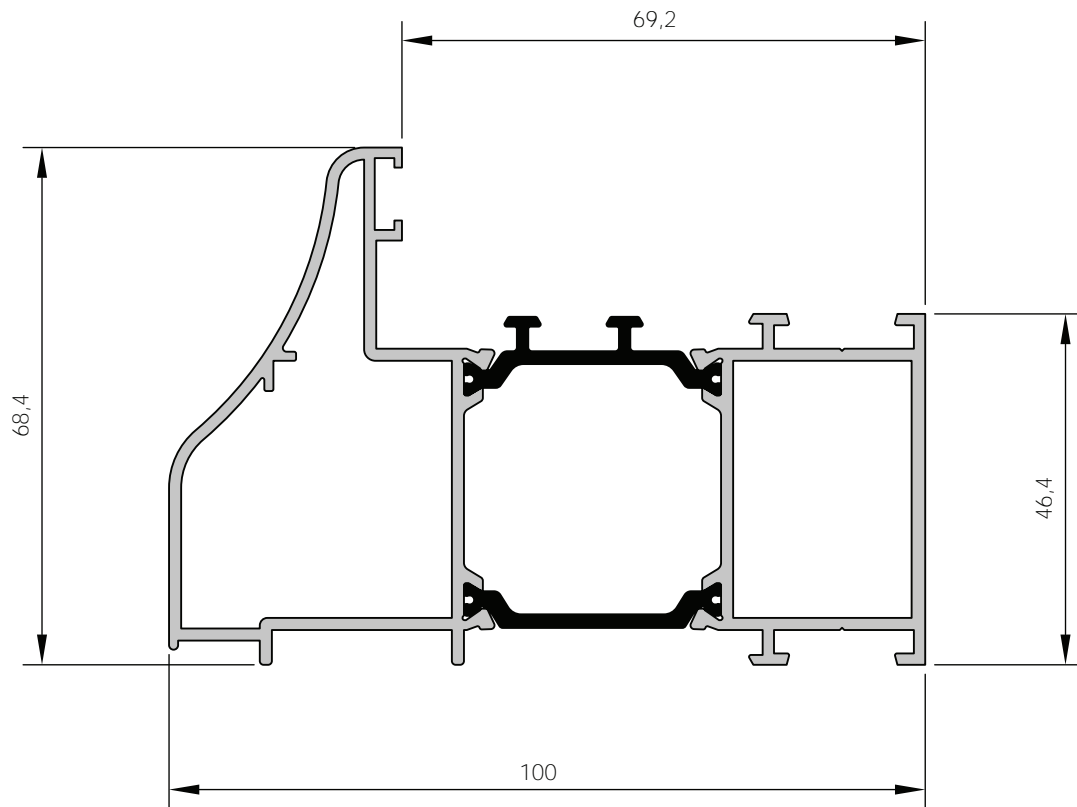


**A.175.270**

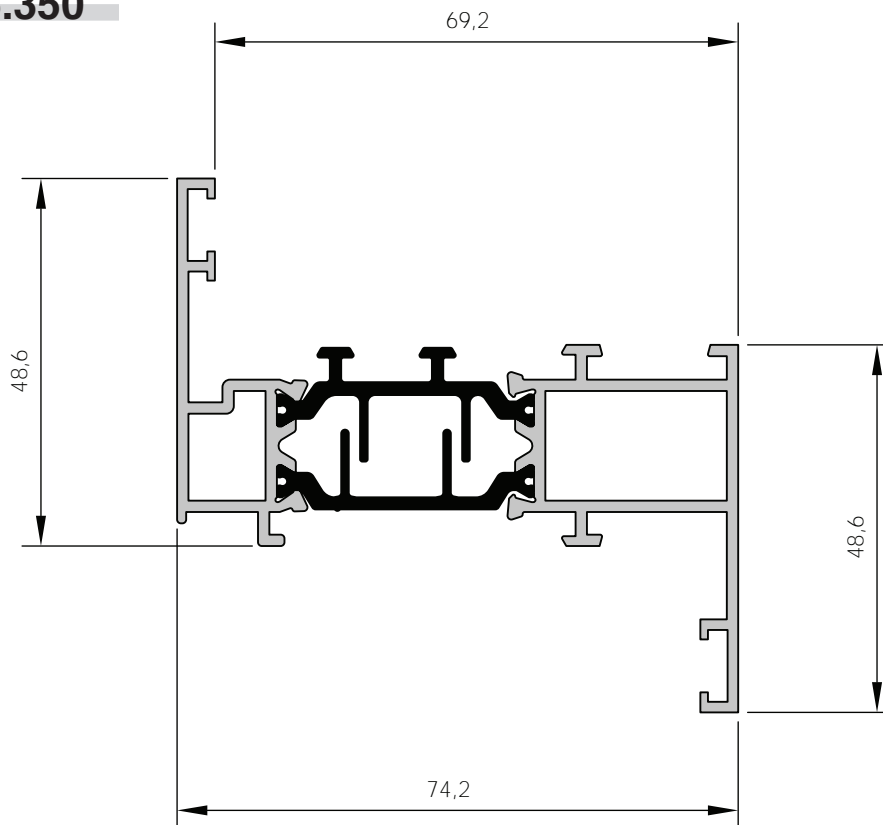


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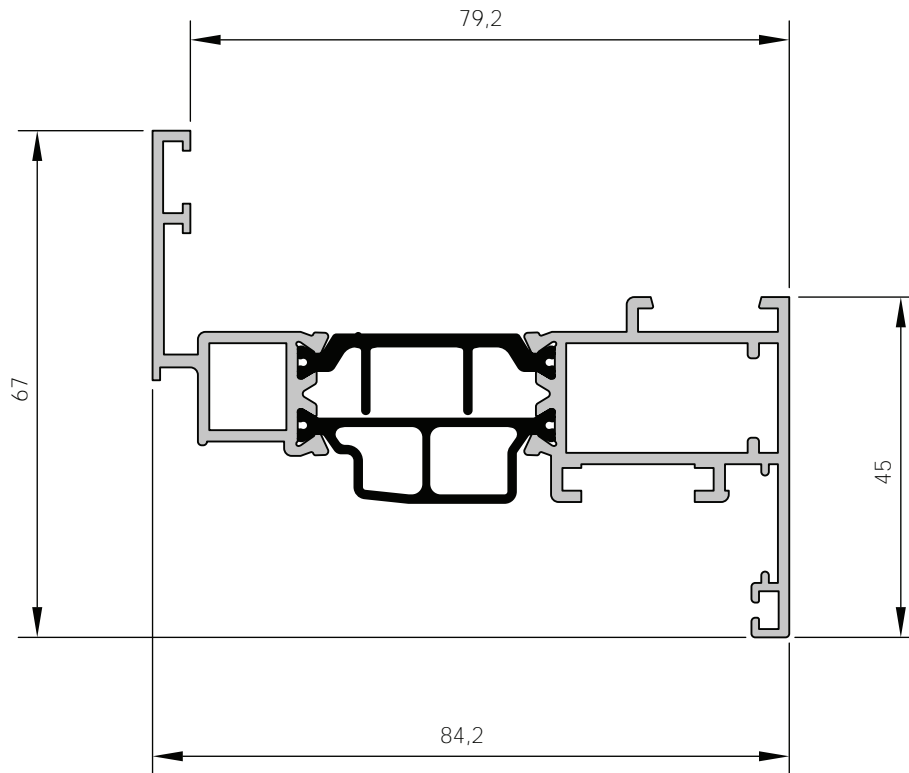


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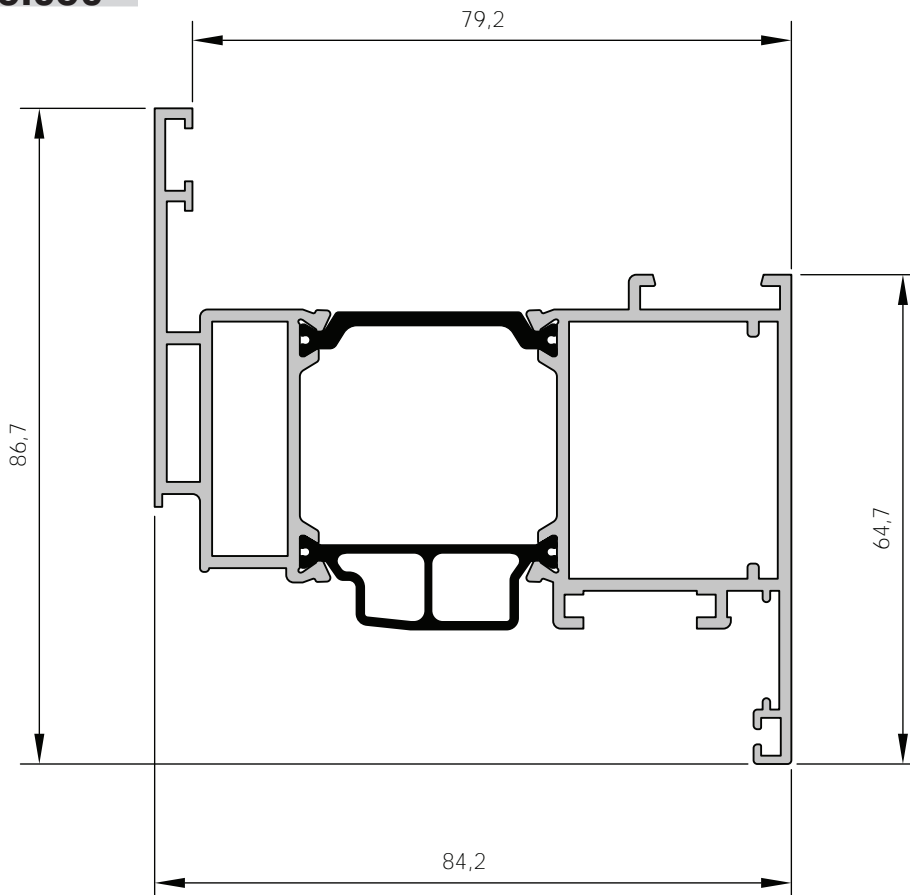


Escala 1:1

**A.175.020**

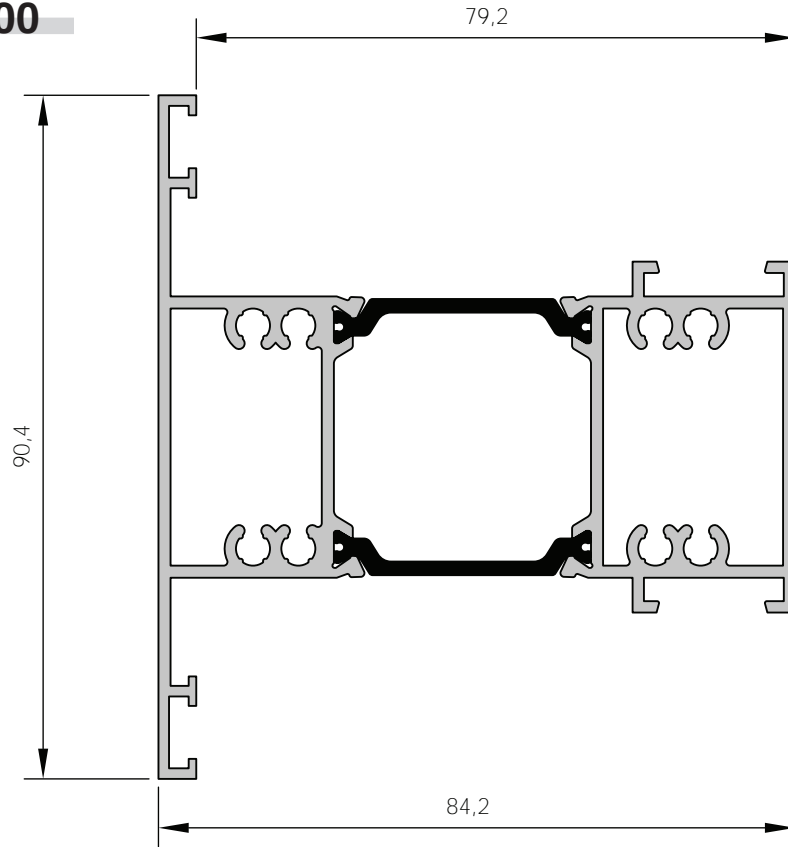


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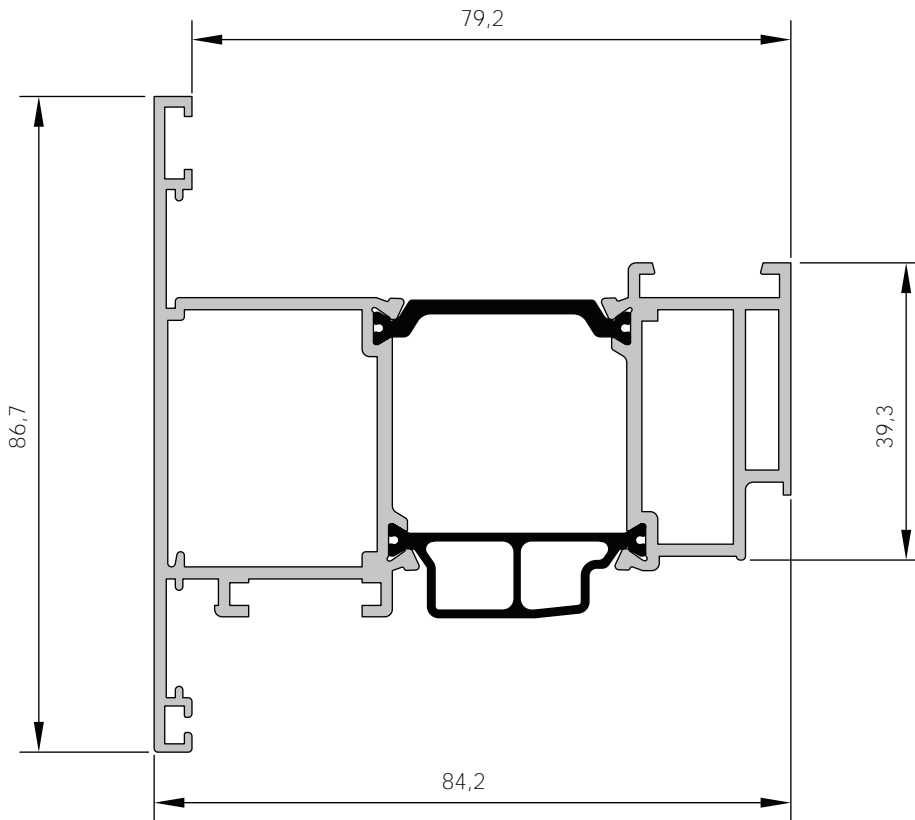


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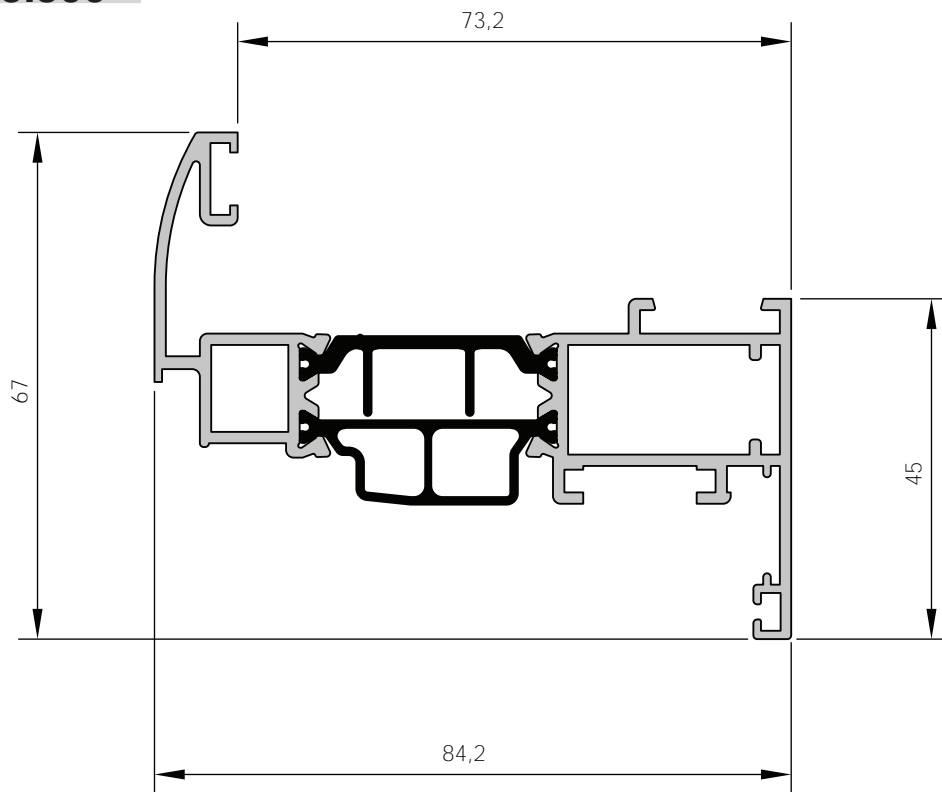


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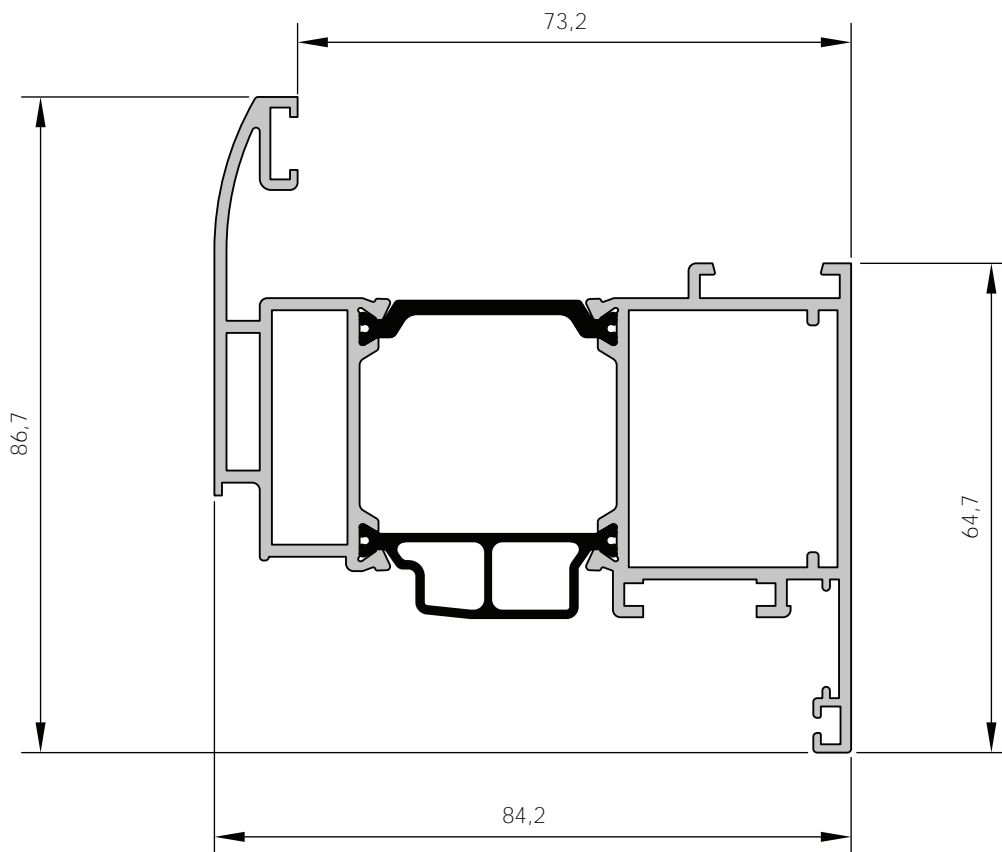


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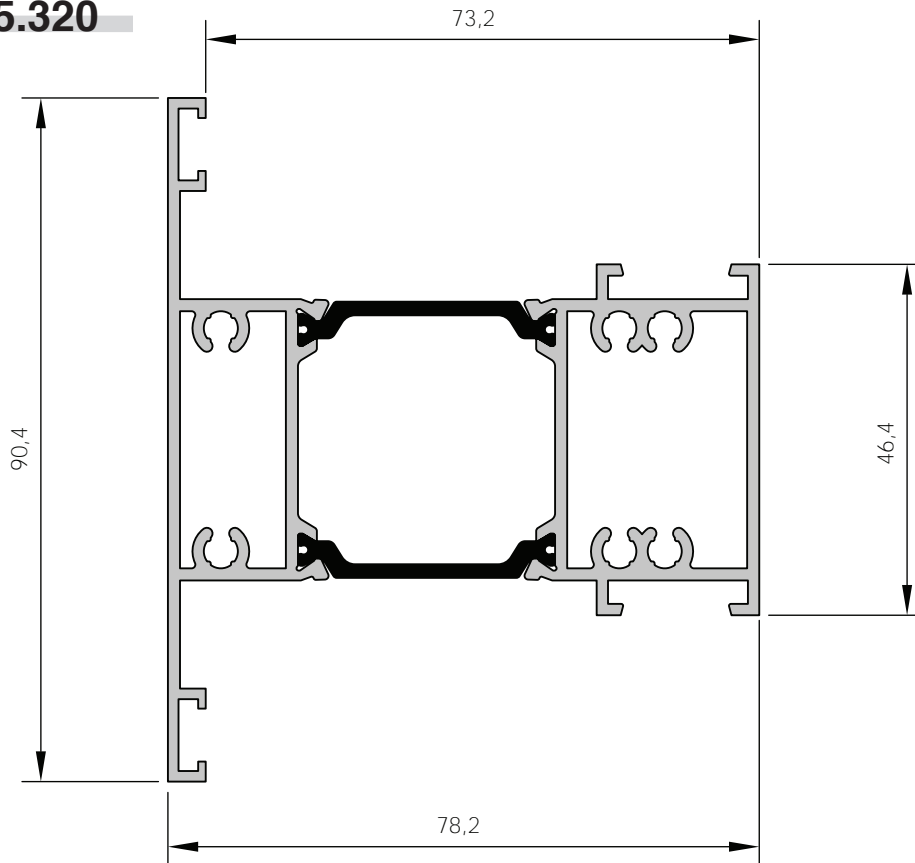


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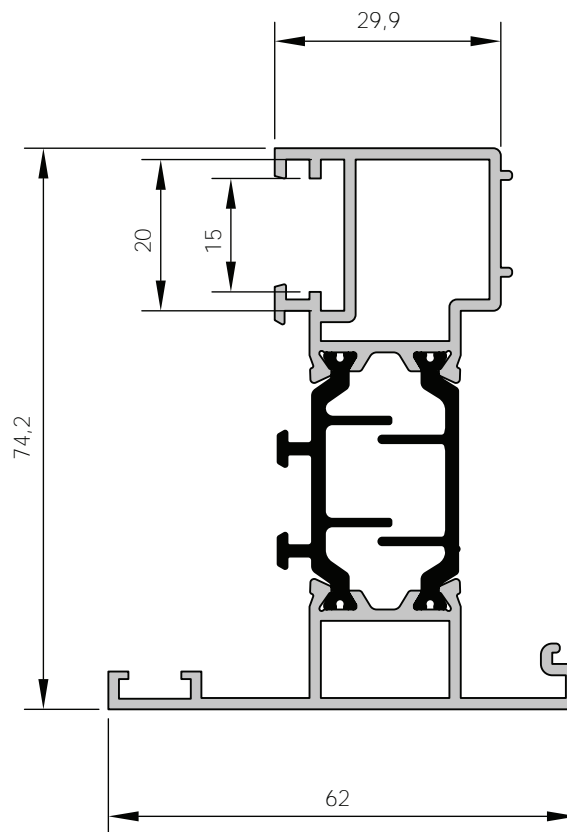


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**A.175.320**

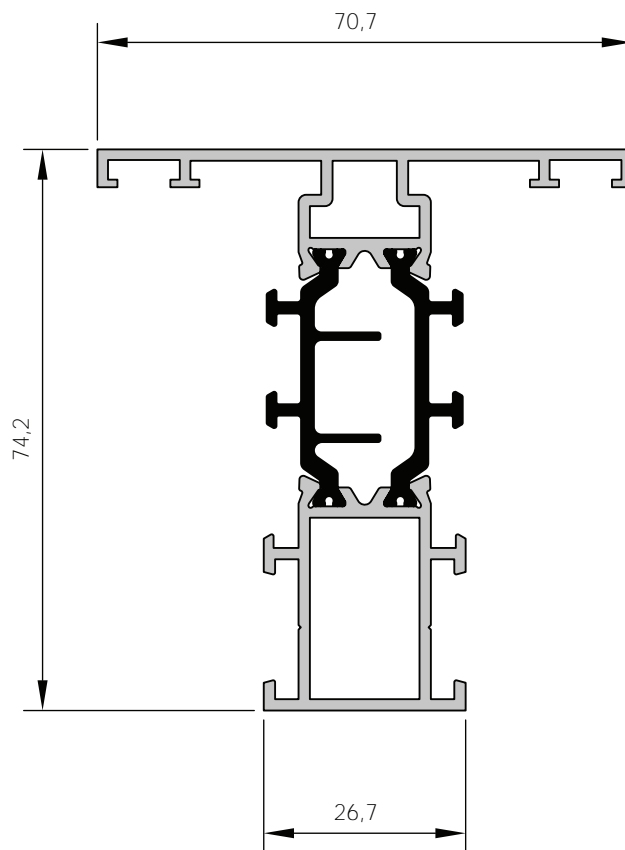


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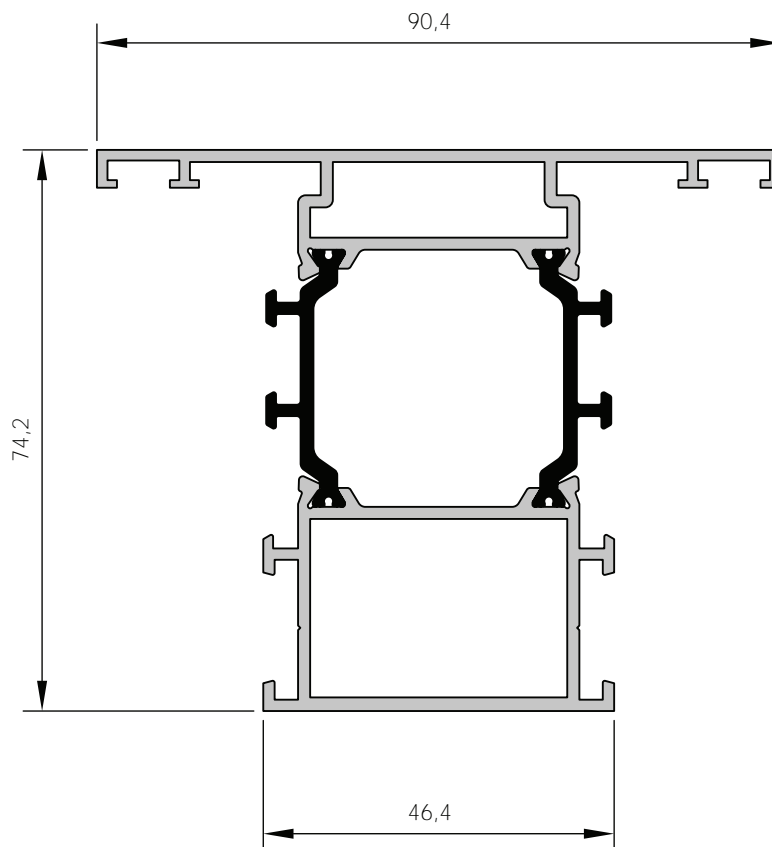


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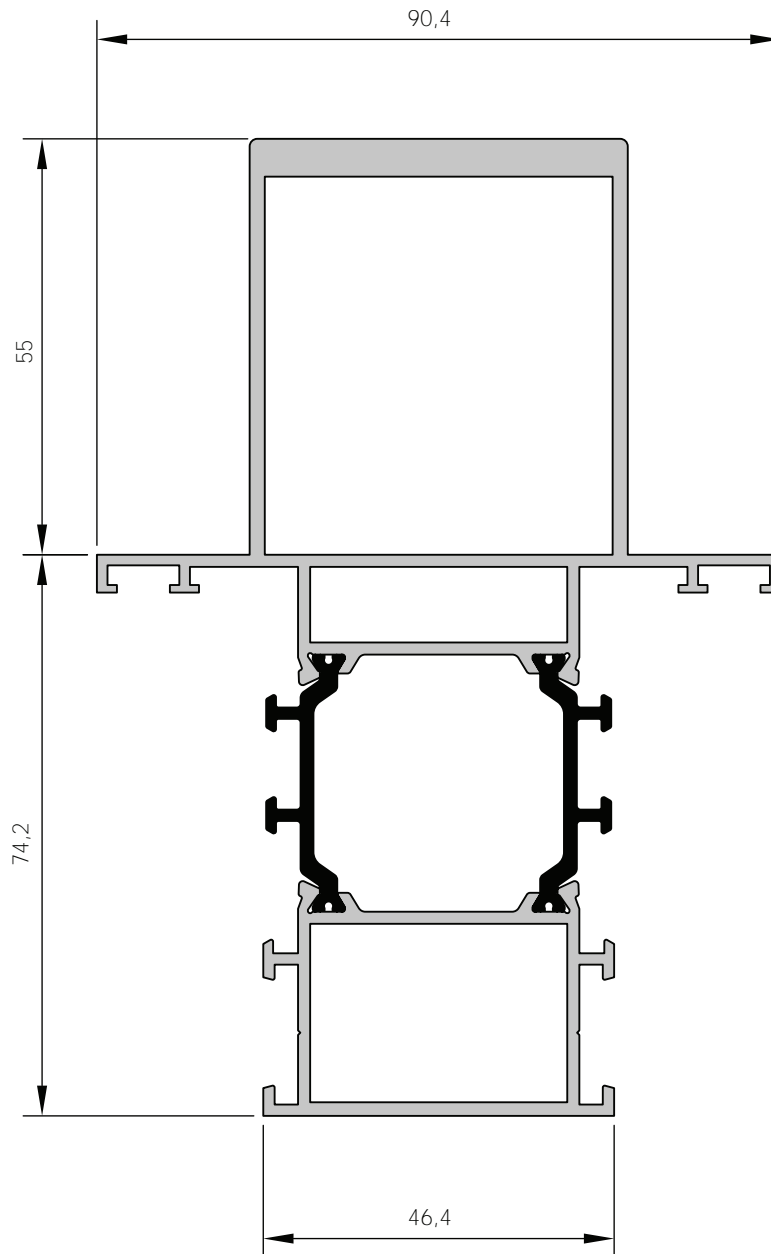
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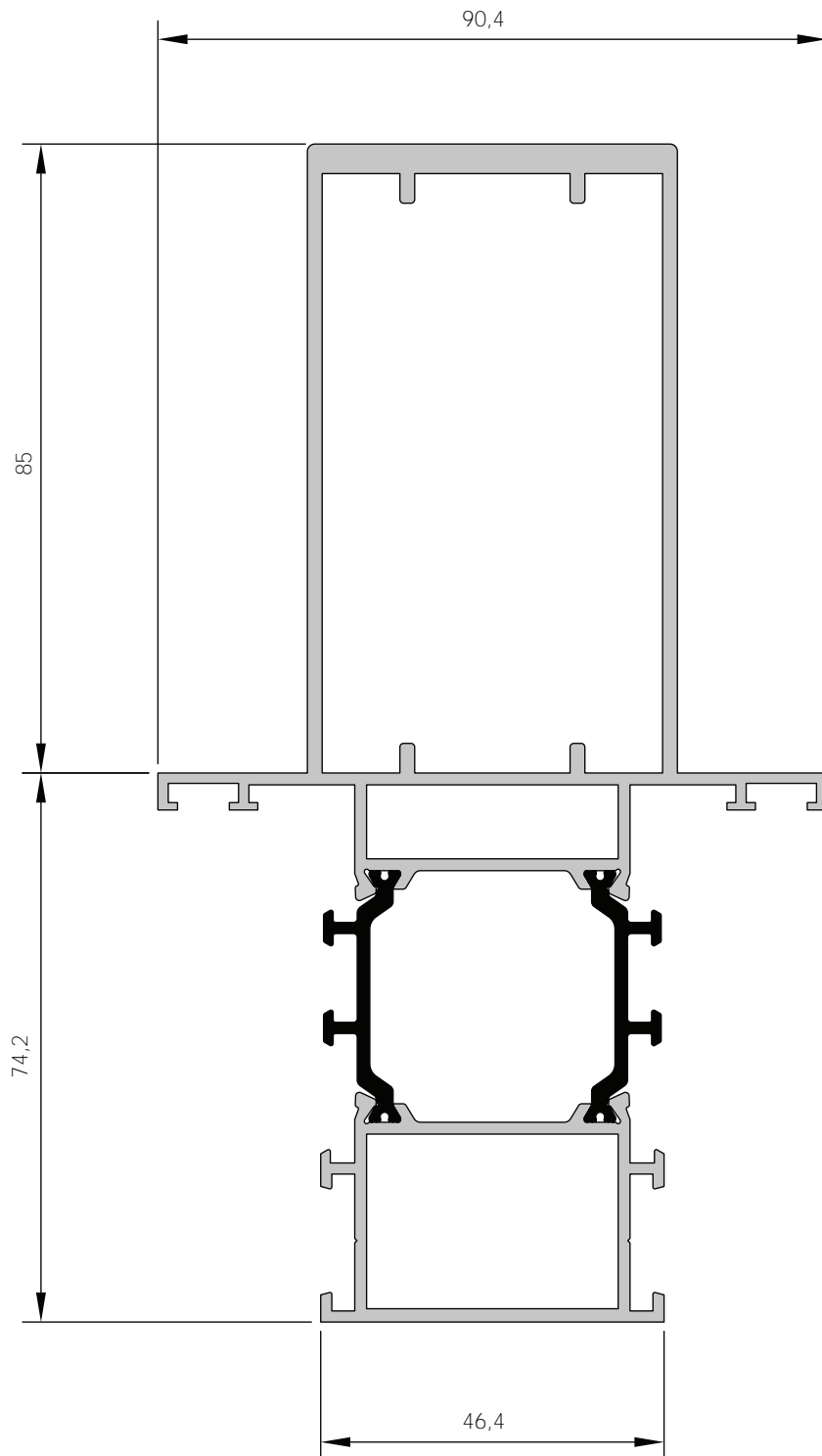


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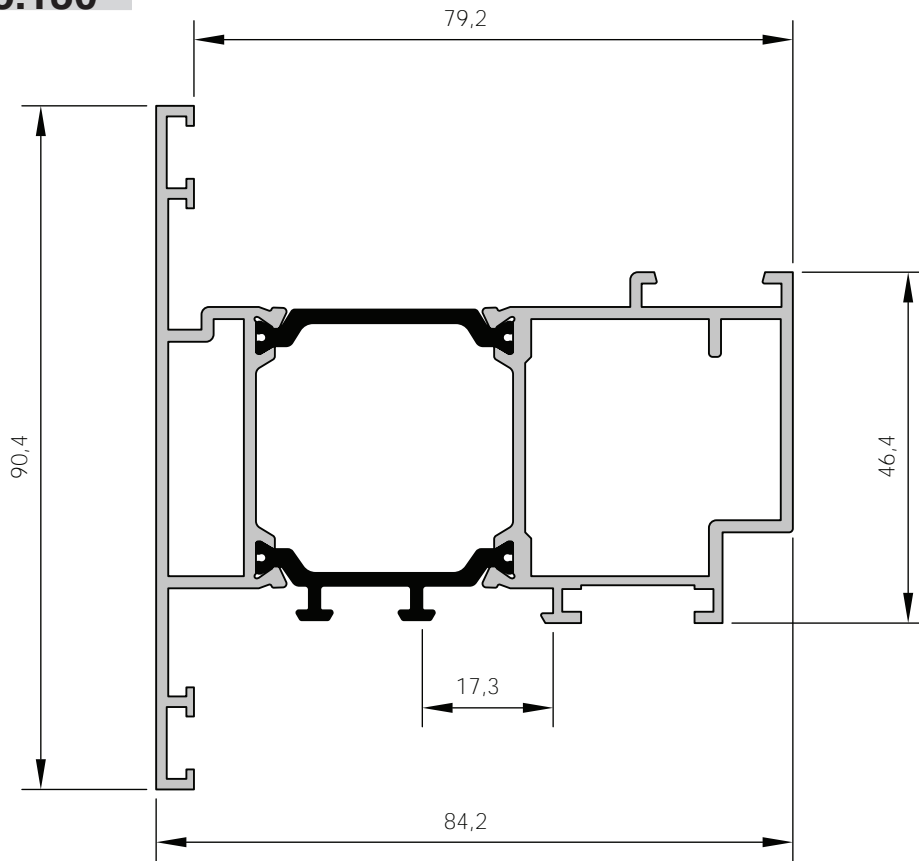
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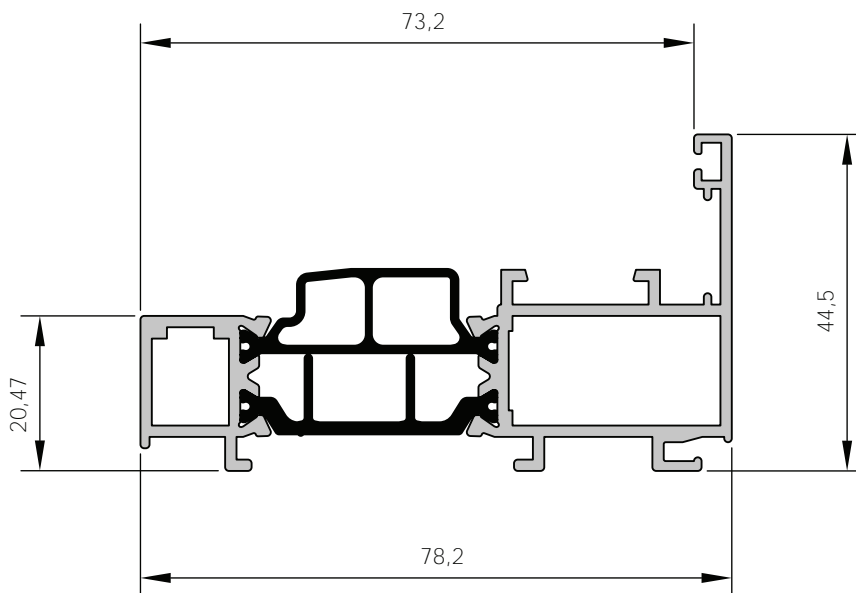


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**A.175.130**

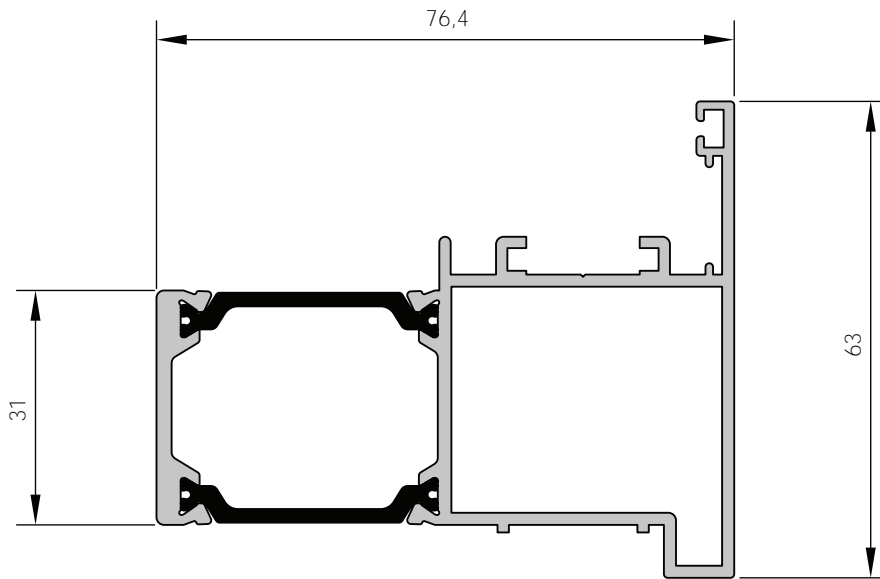


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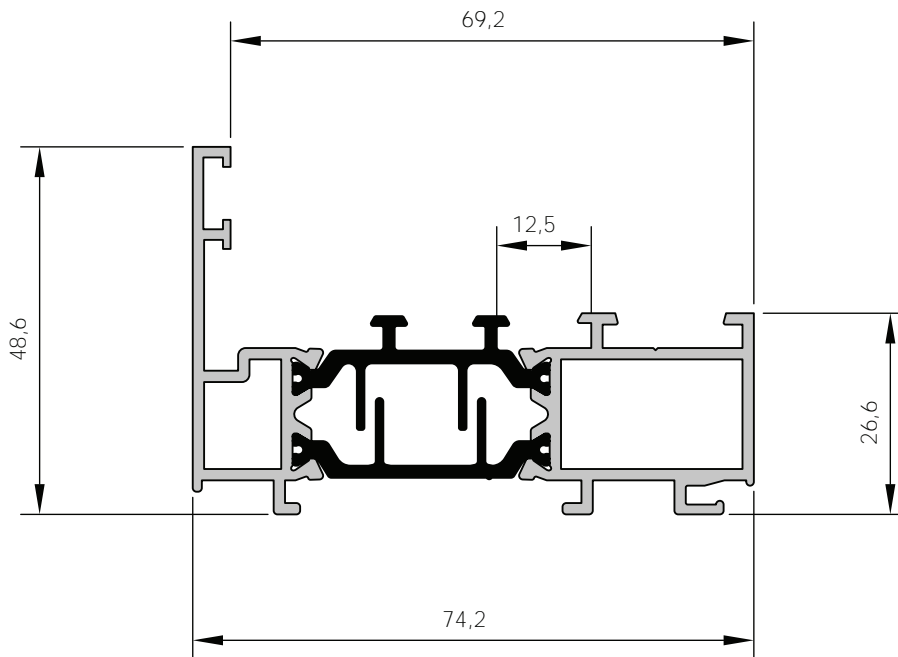


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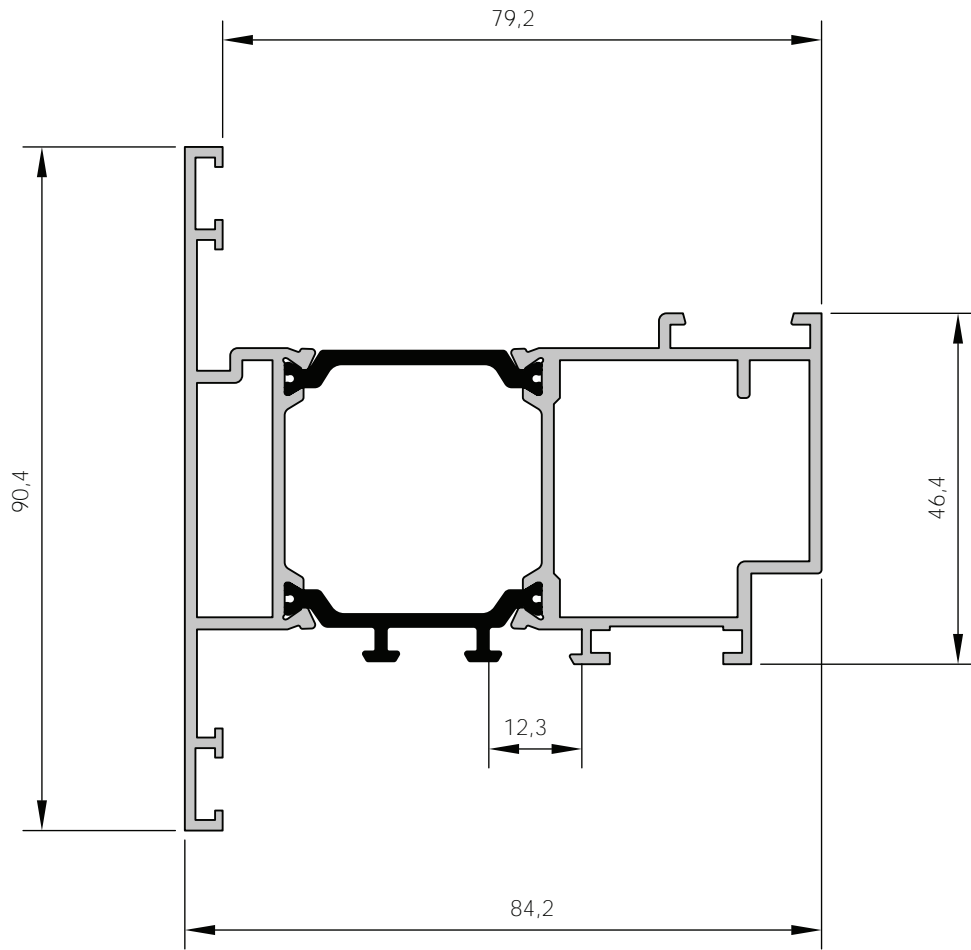


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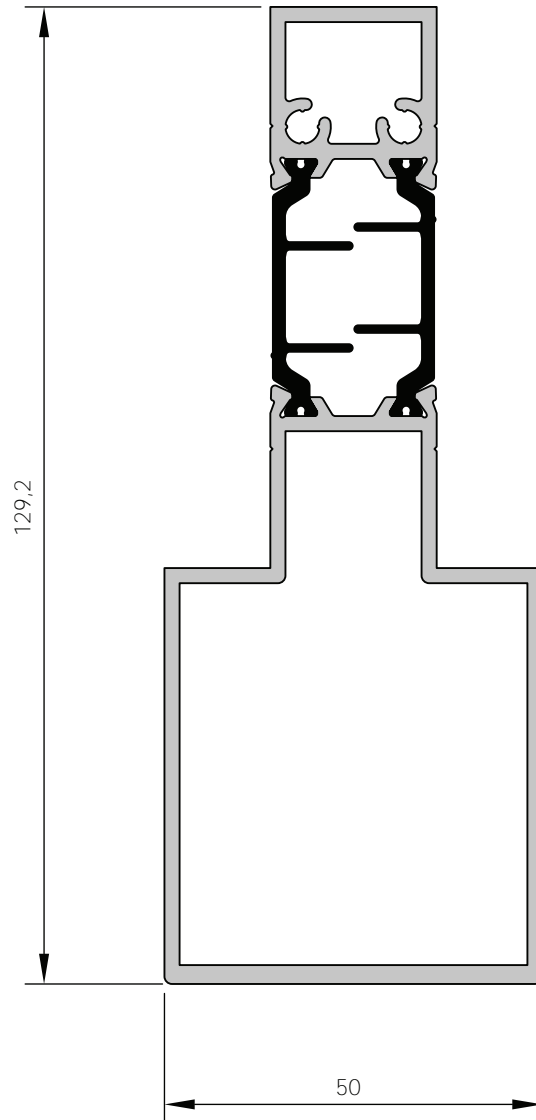
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A.175.930



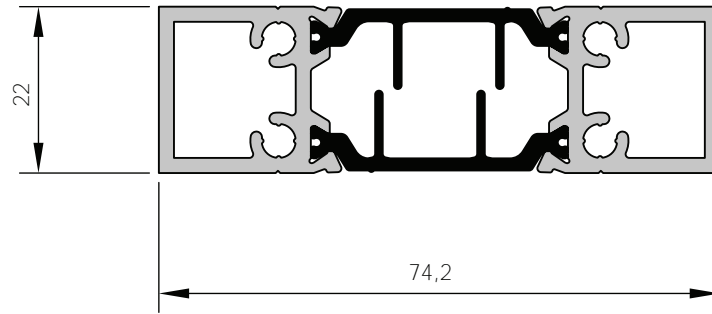
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A.055.090

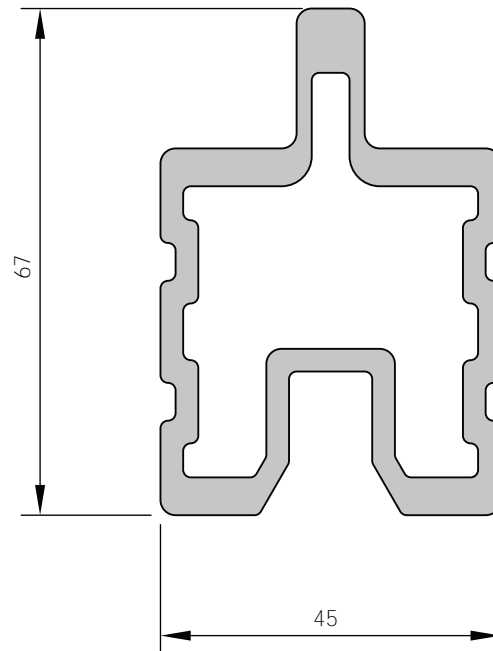


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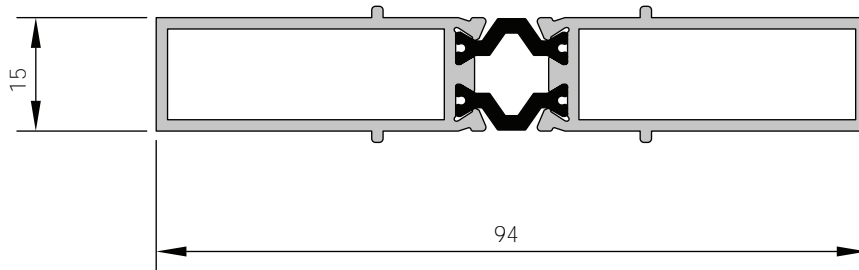


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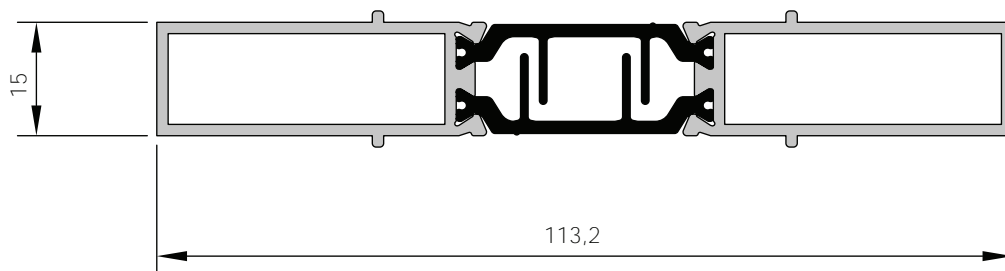


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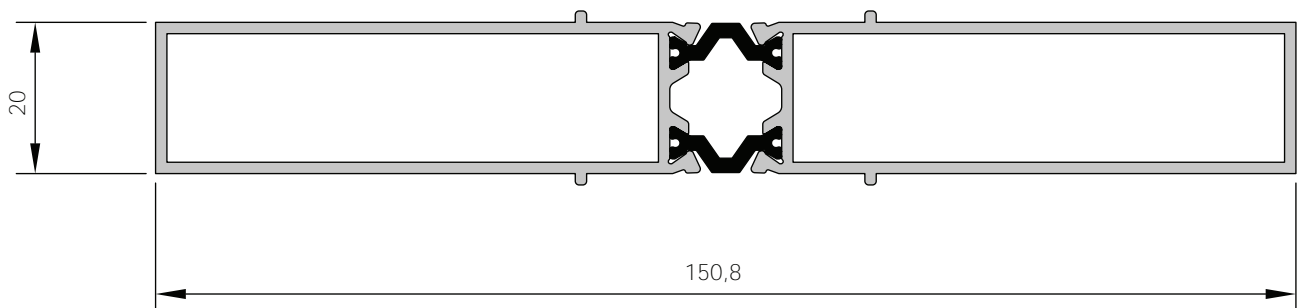
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**B.095.080**



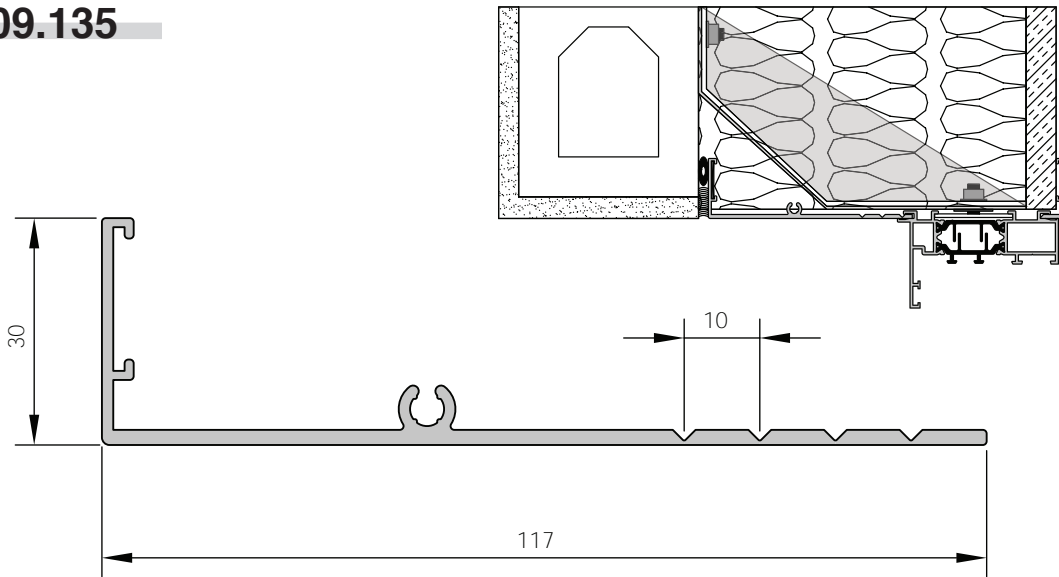
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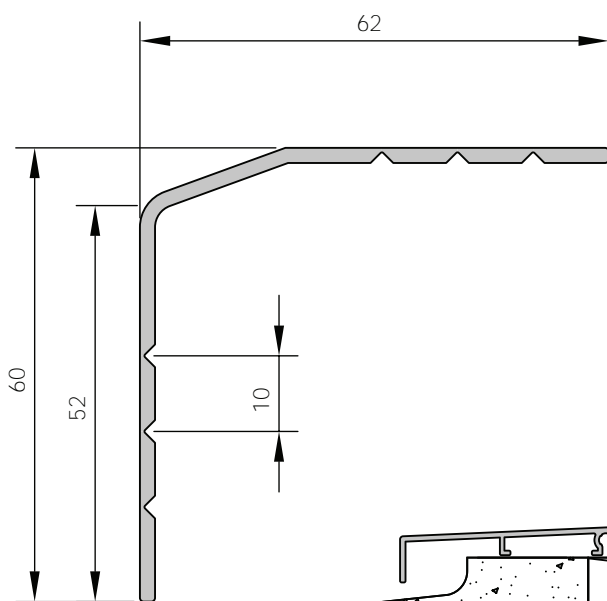
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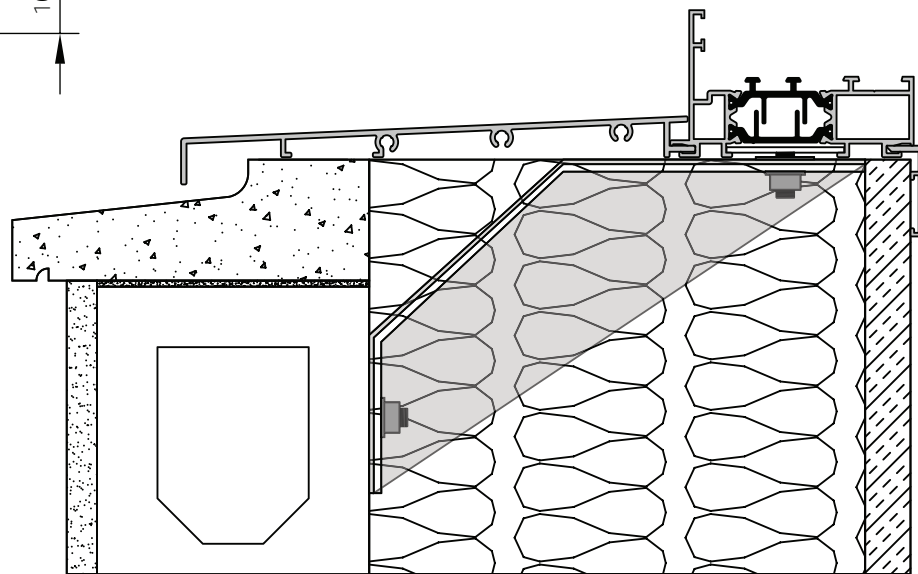
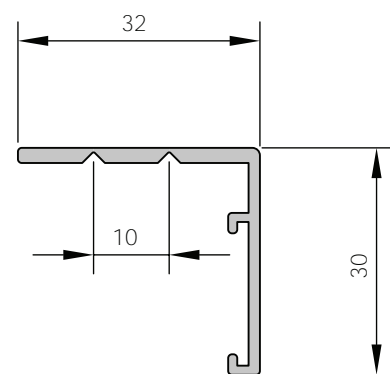
**F.009.135**



**F.009.137**



**F.009.138**



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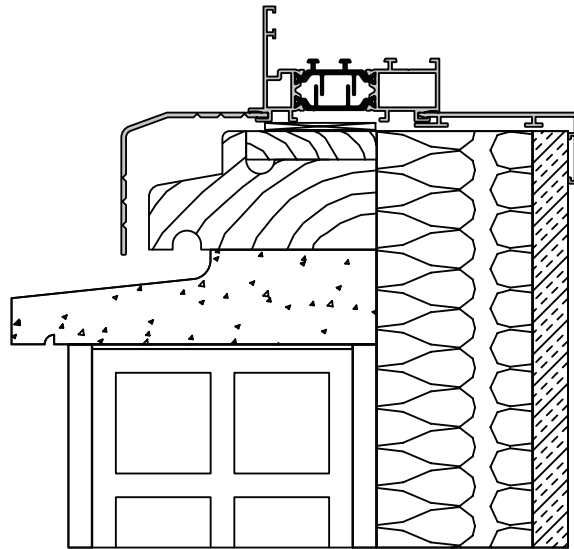
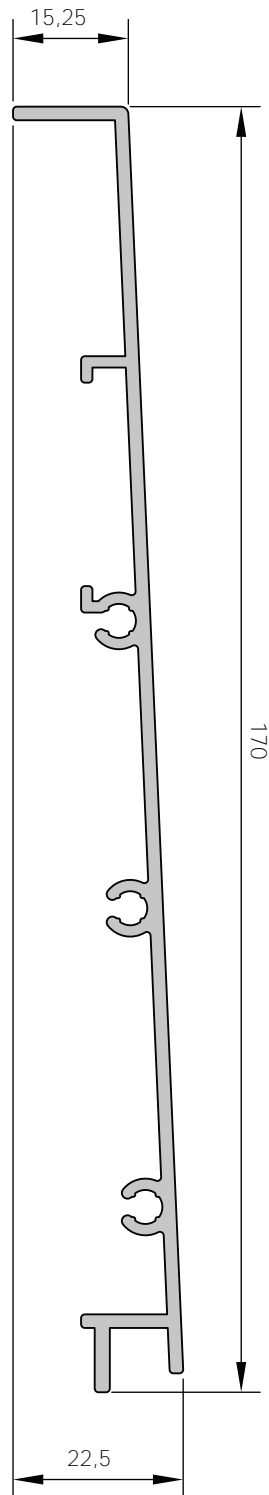
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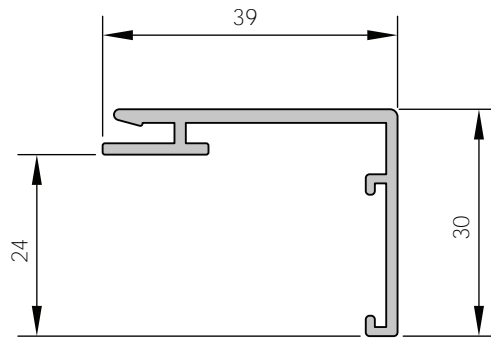
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F.009.136

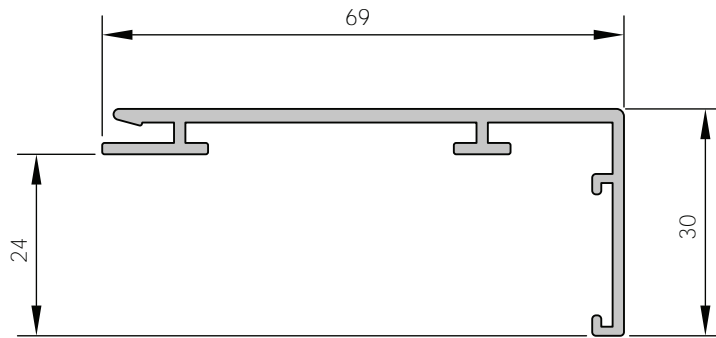


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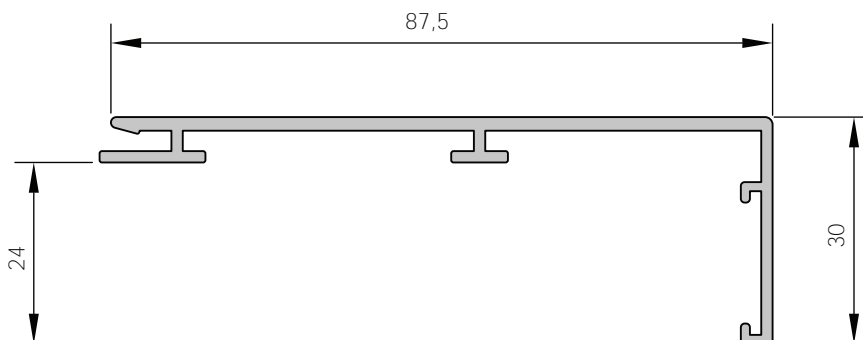
F.009.155



F.009.156



F.009.157



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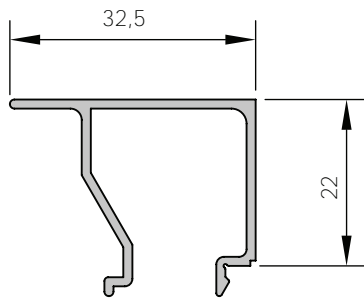
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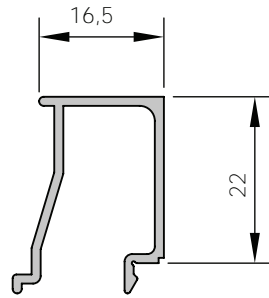
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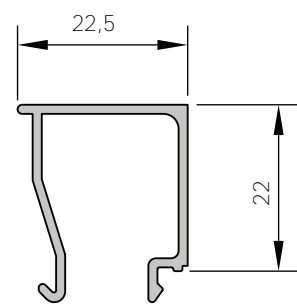
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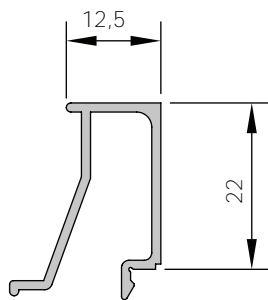
**A.040.025**



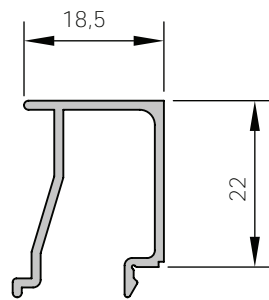
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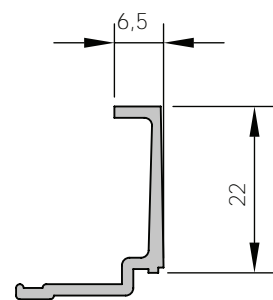
**A.040.039**



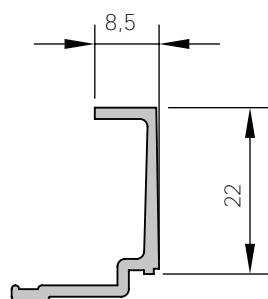
**A.040.050**



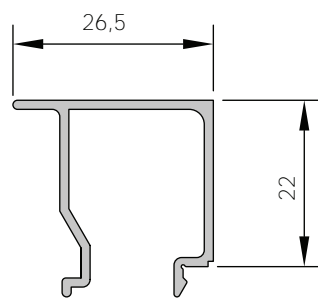
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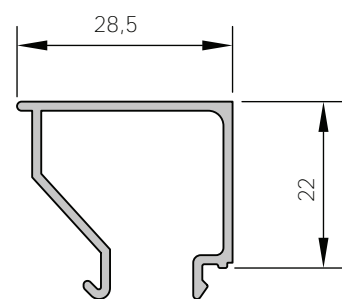
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**A.040.107**

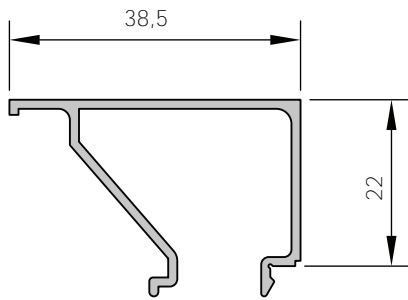


**A.040.110**

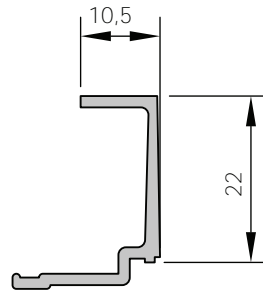


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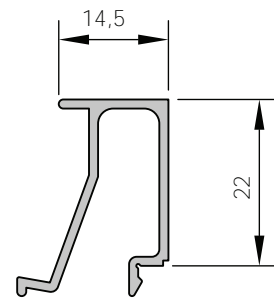
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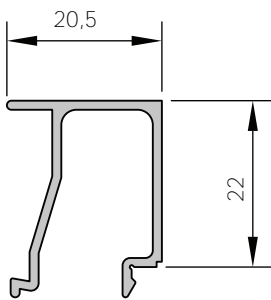
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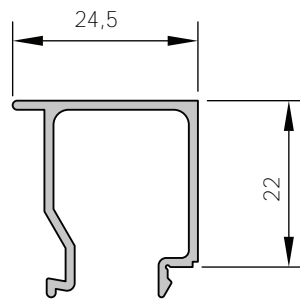
**A.040.141**



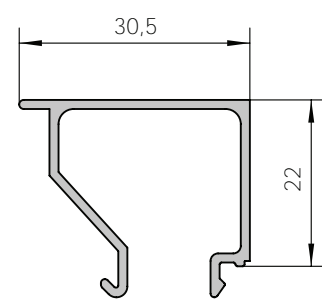
**A.040.142**



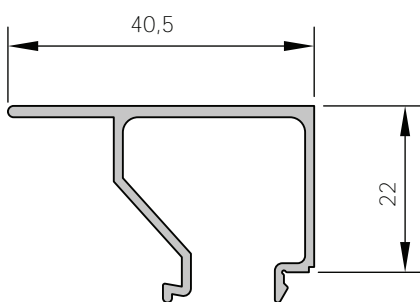
**A.040.143**



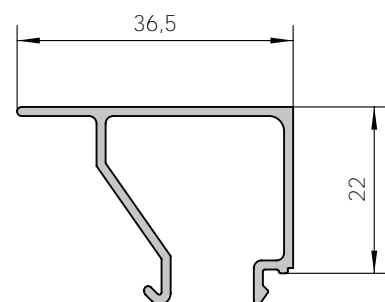
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**A.040.146**

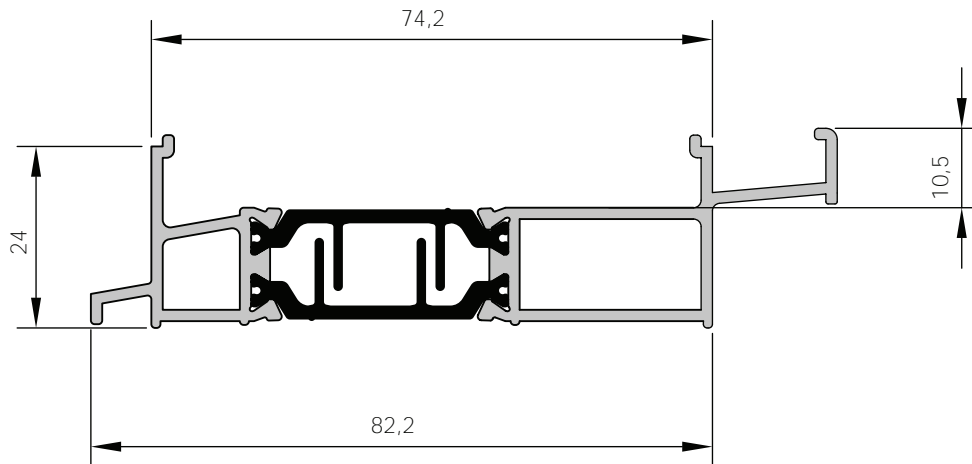


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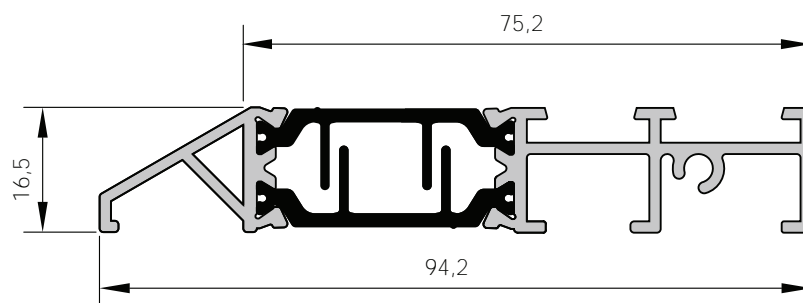


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A.175.090

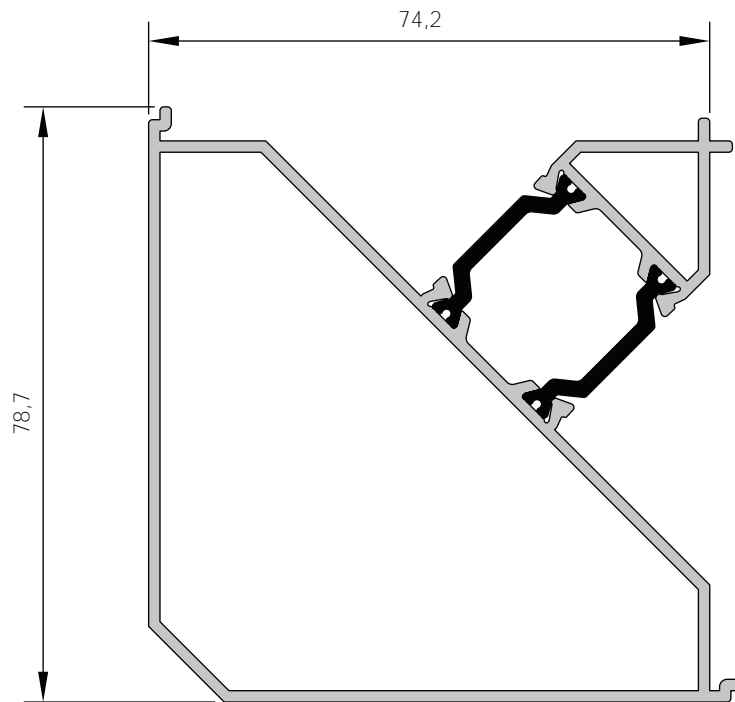


A.175.360

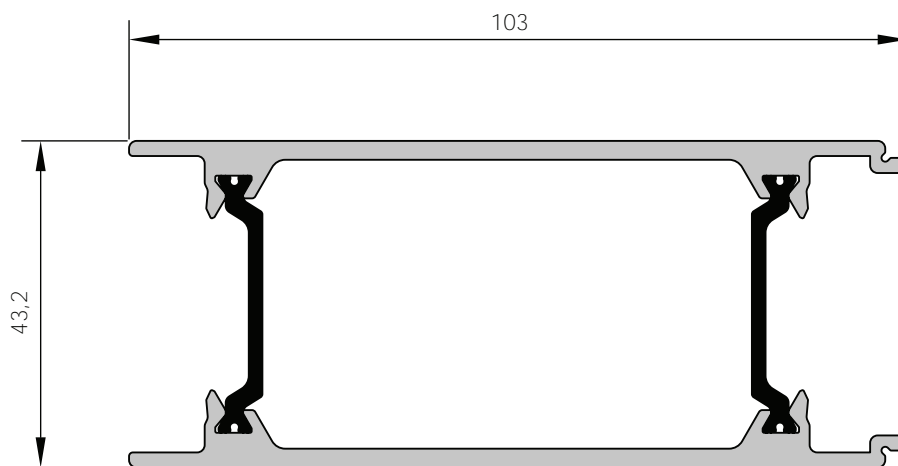


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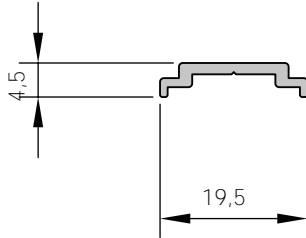


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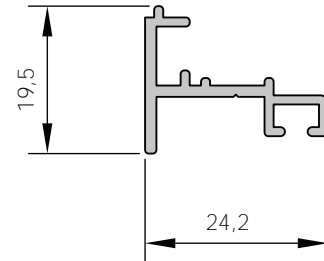


Escala 1:1

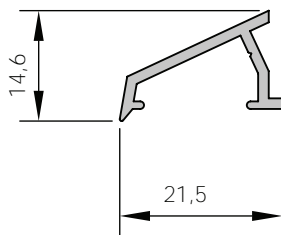
**A.100.013**



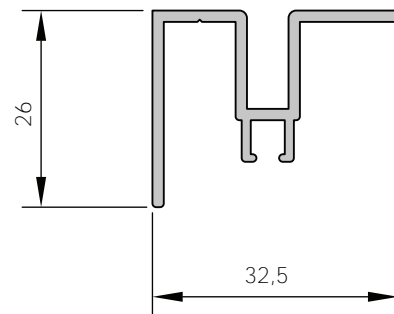
**A.100.023**



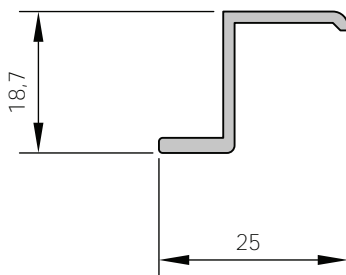
**A.040.048**



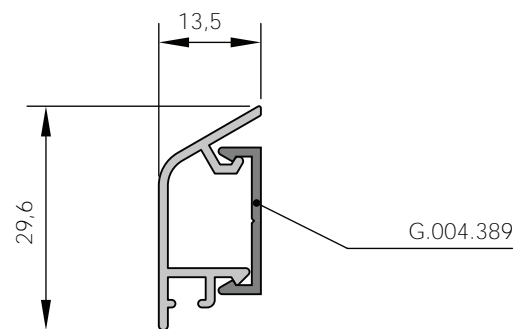
**A.055.015**



**F.009.139**



**F.010.140**



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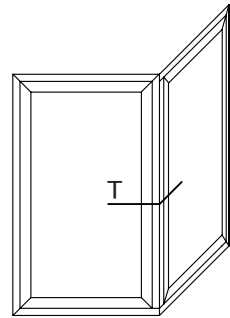
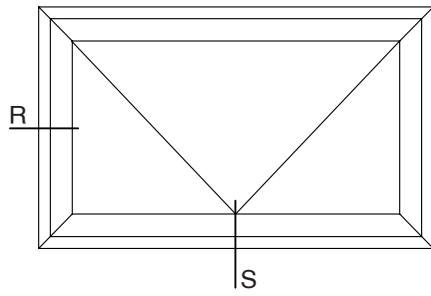
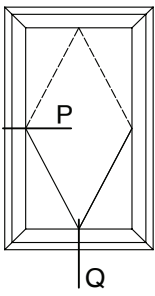
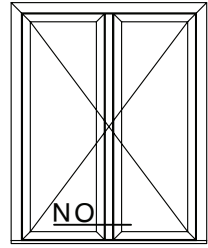
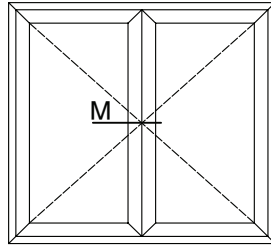
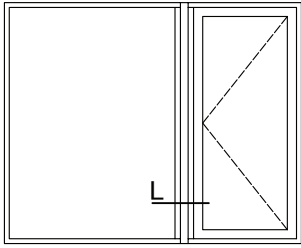
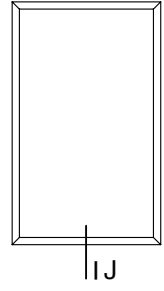
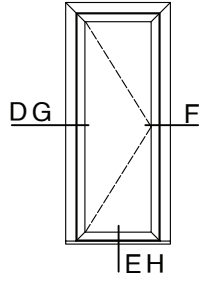
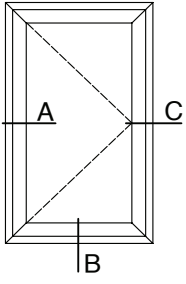
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# 04

## SECCÕES

medidas em mm

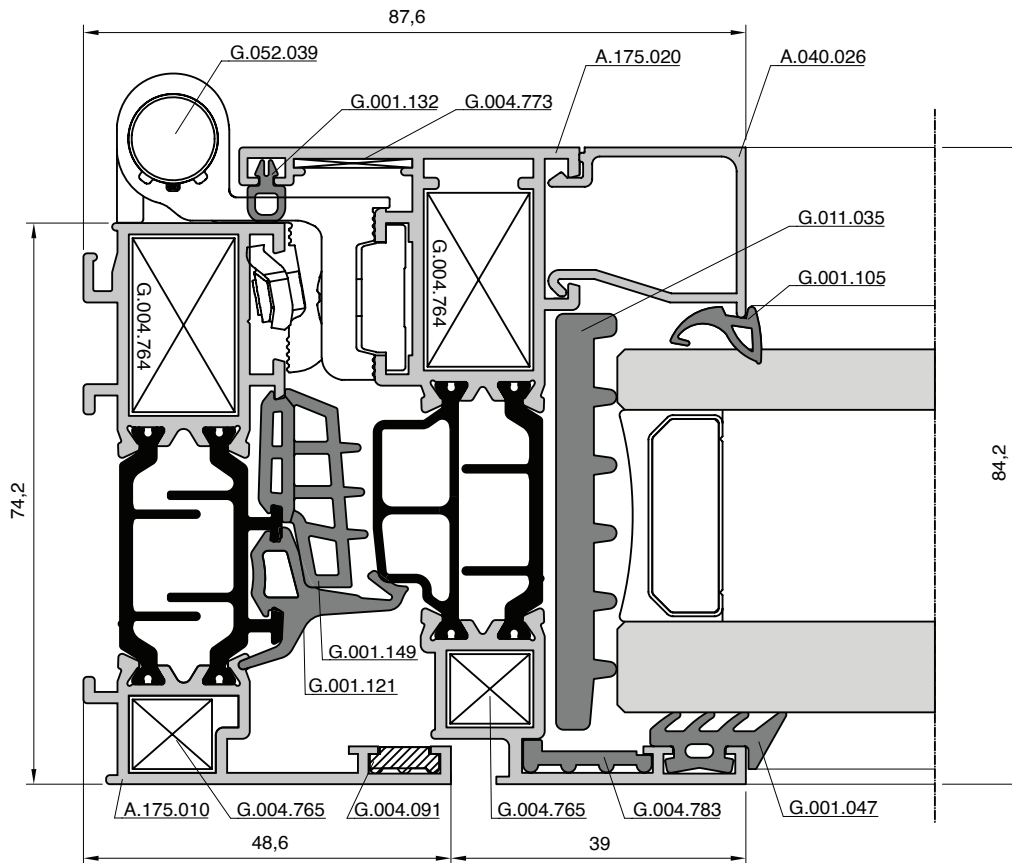
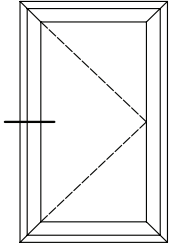
escala 1.1

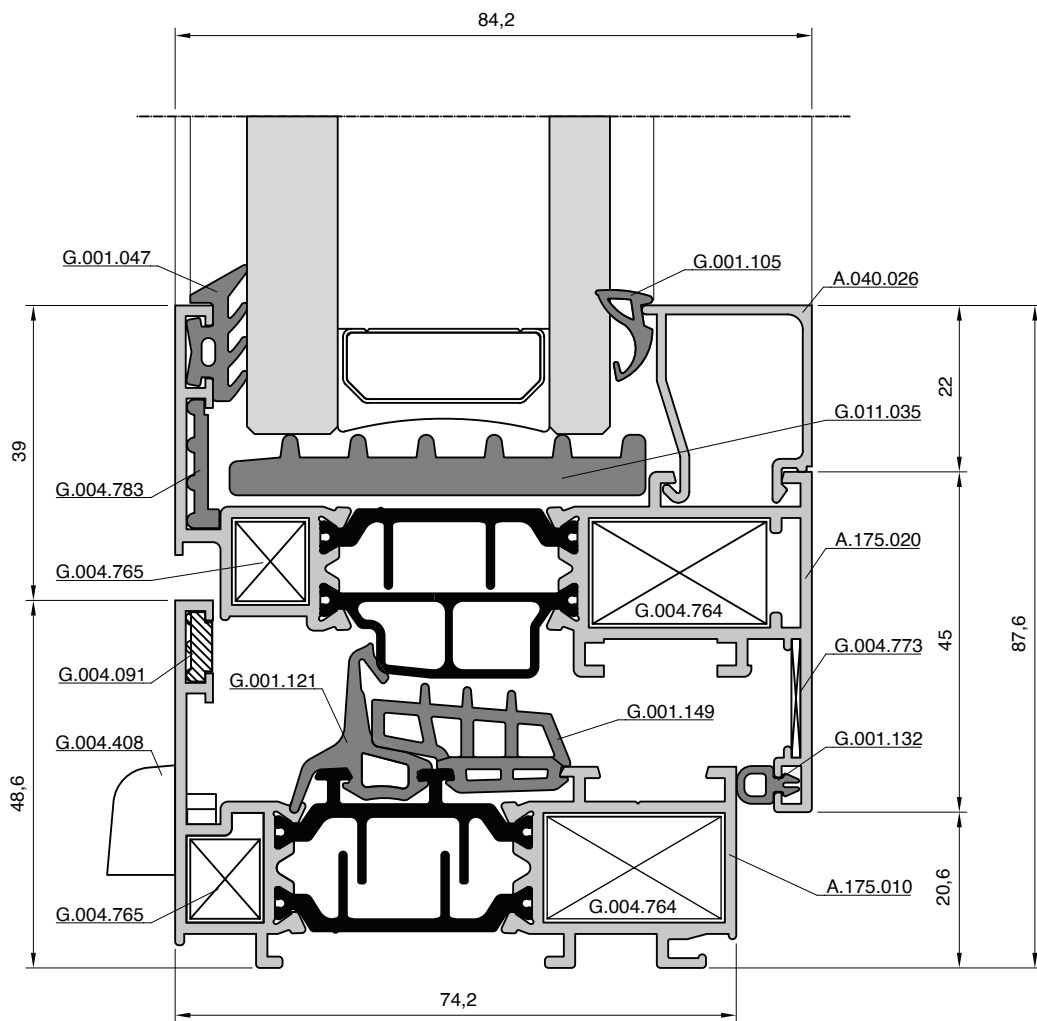
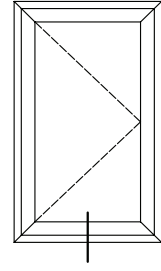


Extrusal

# SECÇÃO A JANELA ABRIR

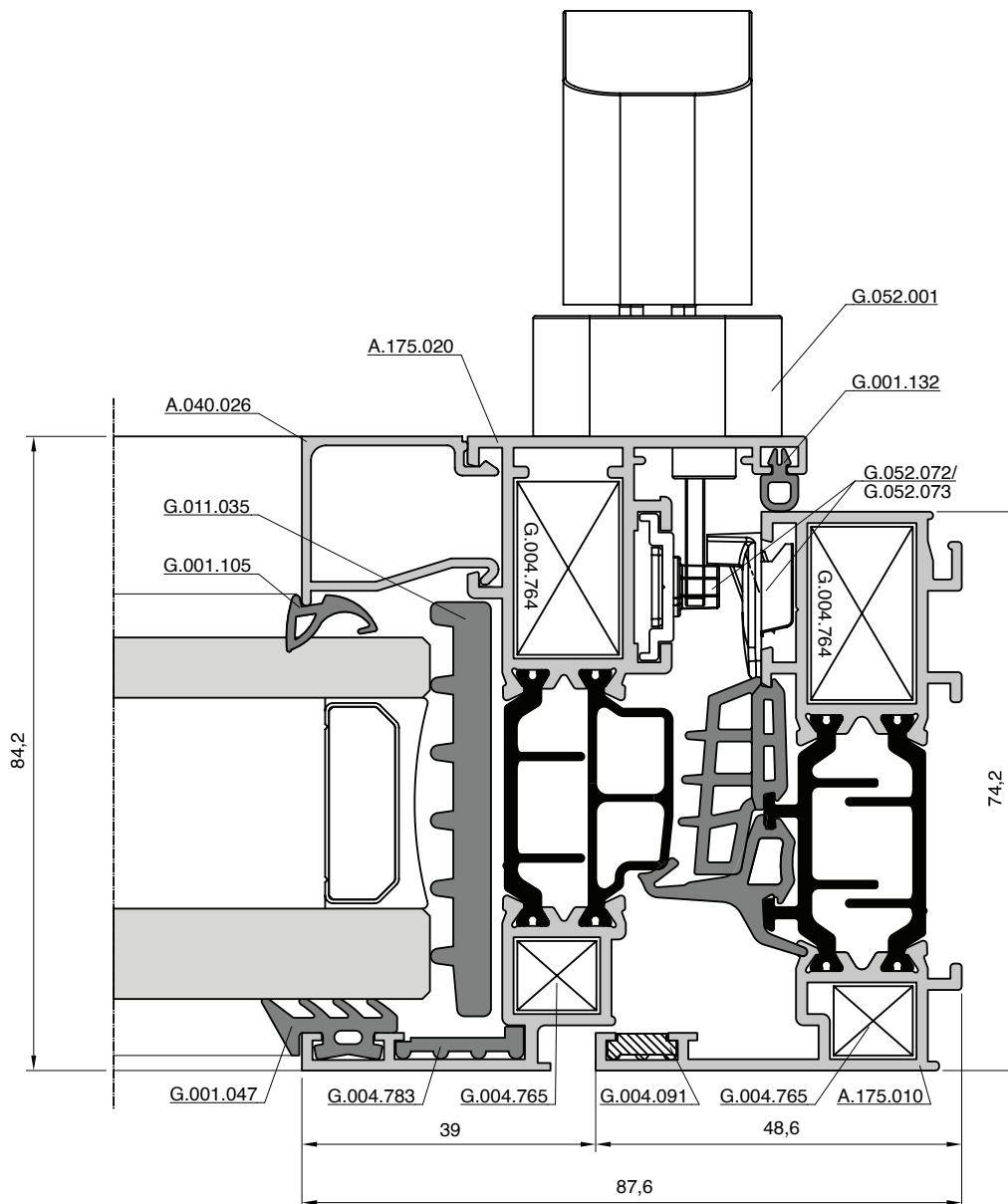
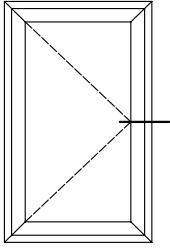
A.175

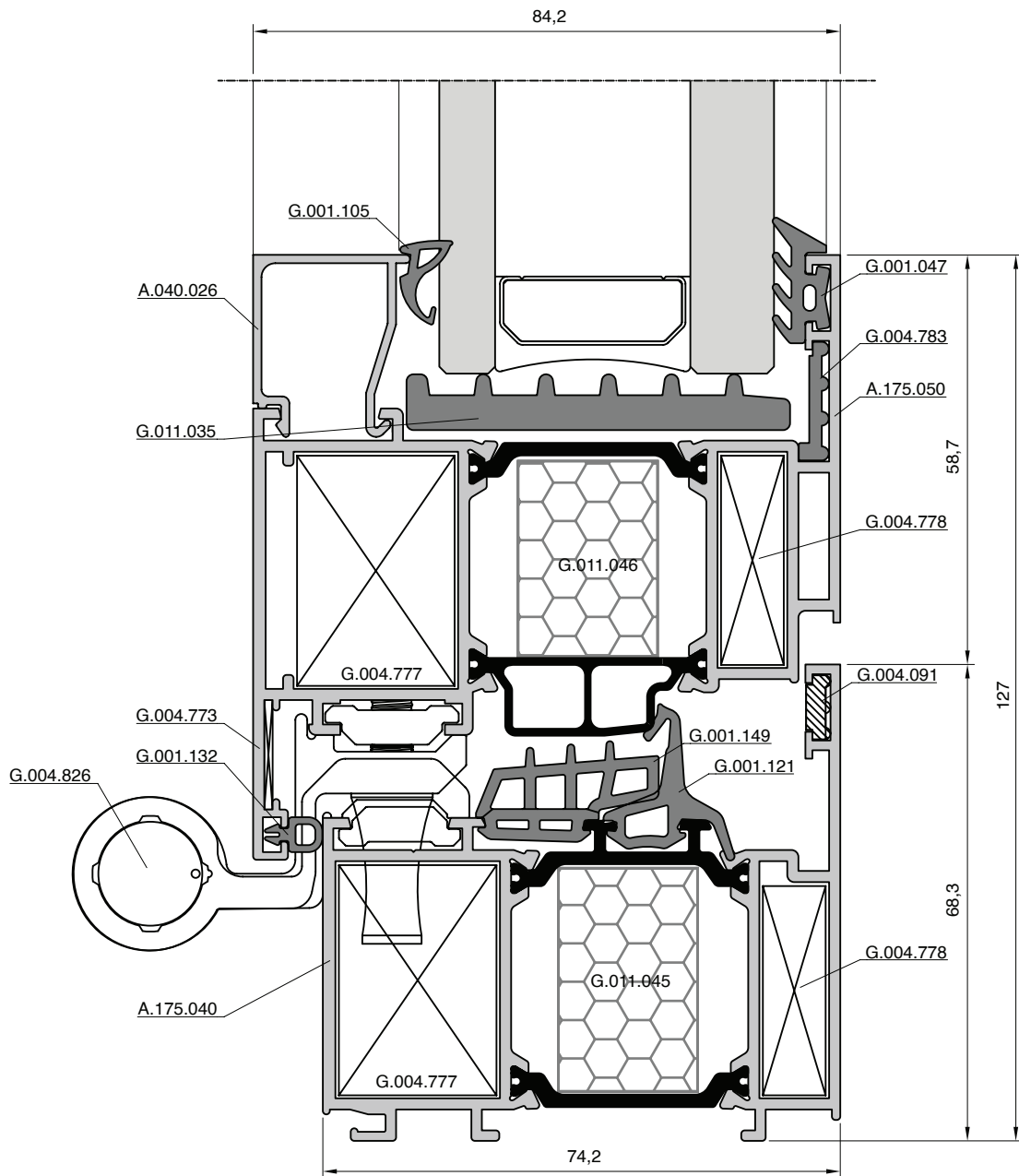
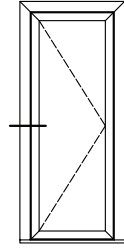




**SECÇÃO C**  
**JANELA ABRIR**

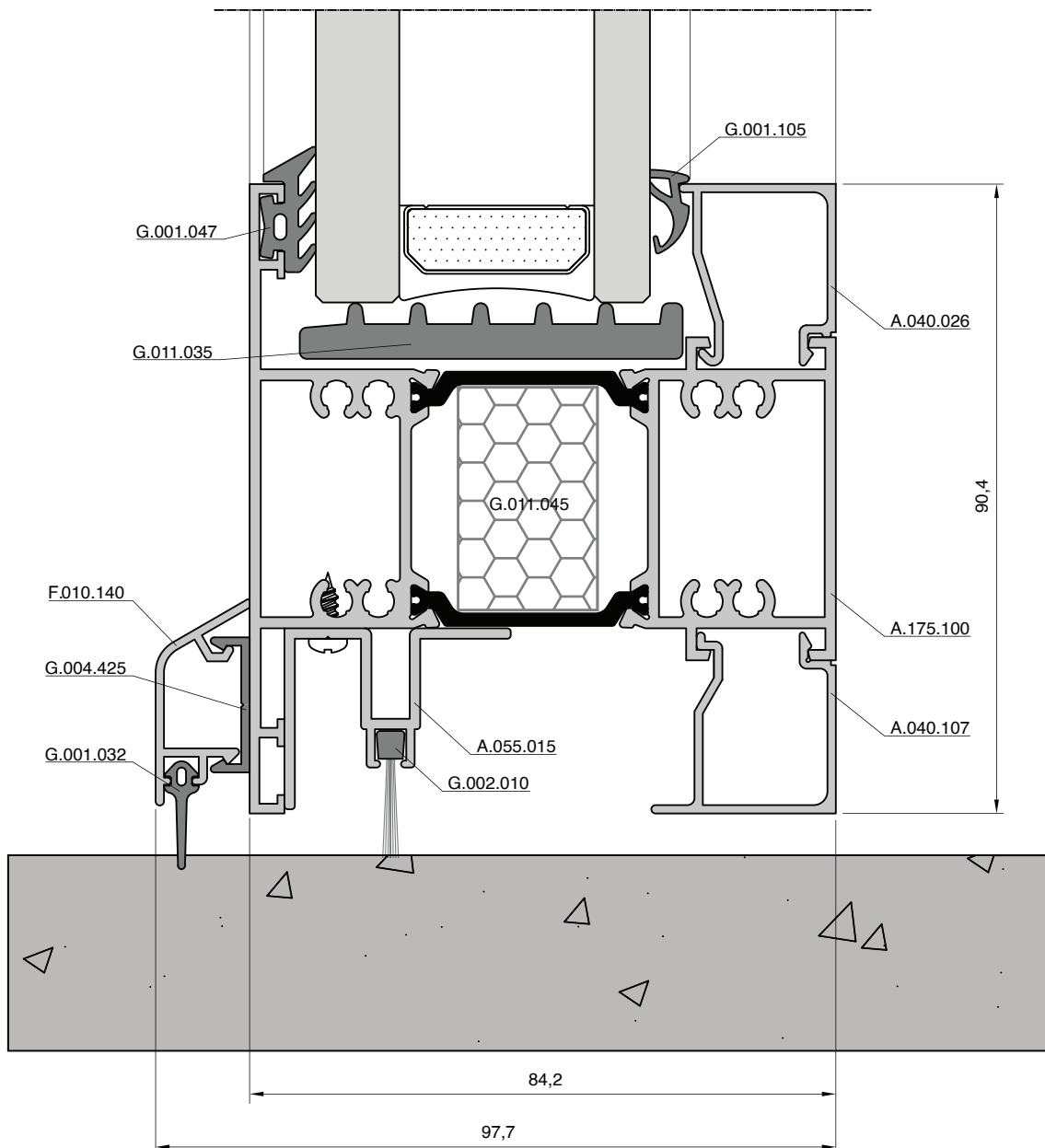
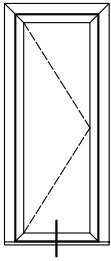
A.175



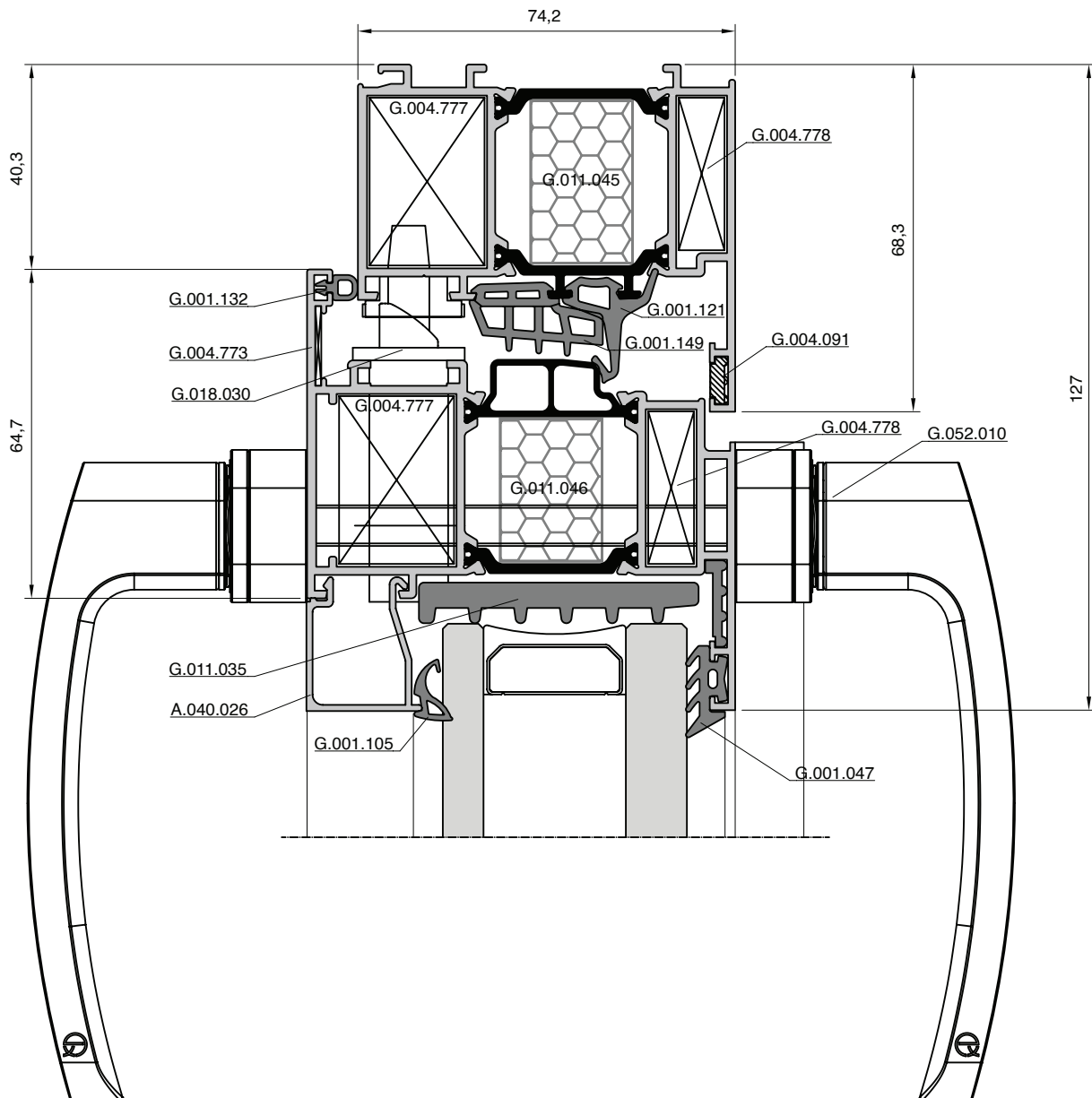
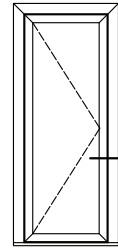


# SECCÃO E PORTA

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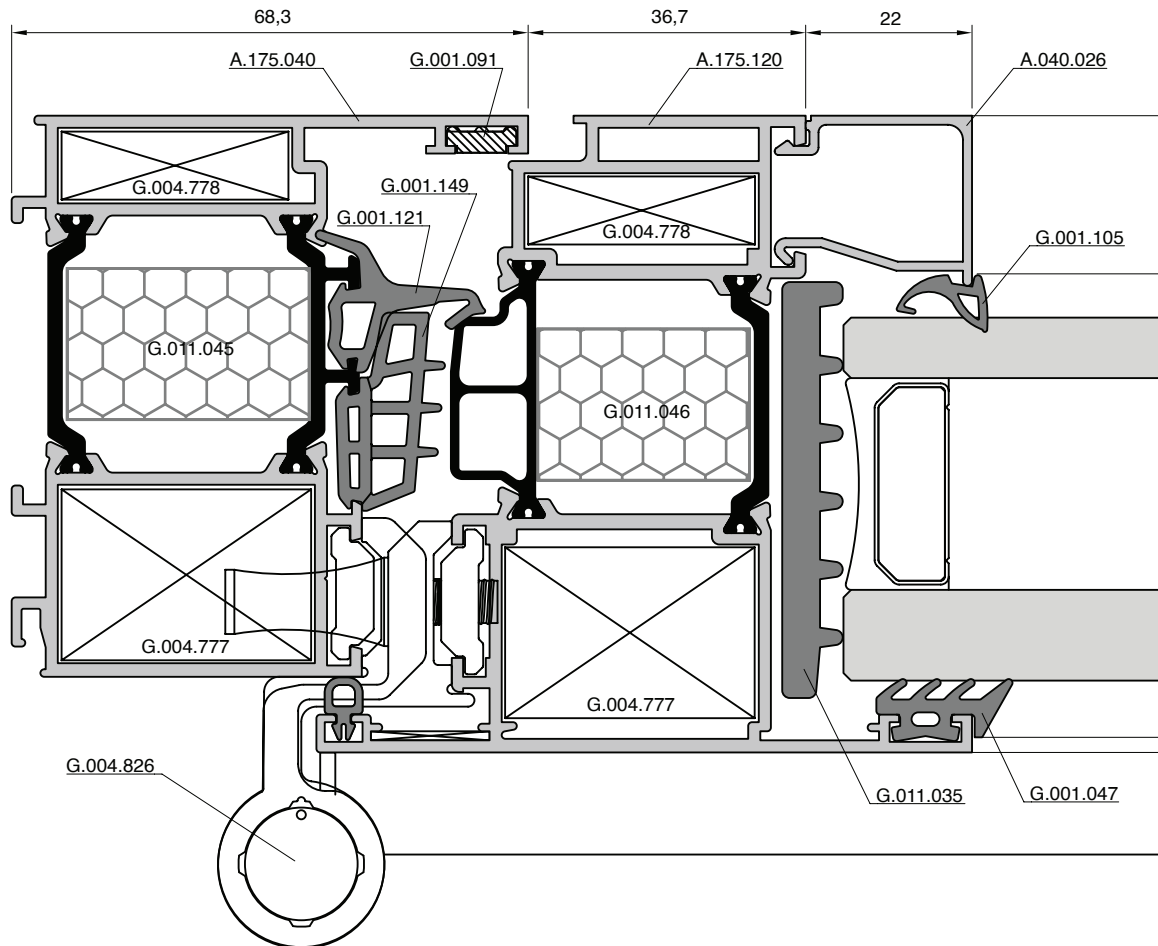
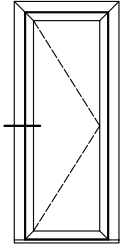
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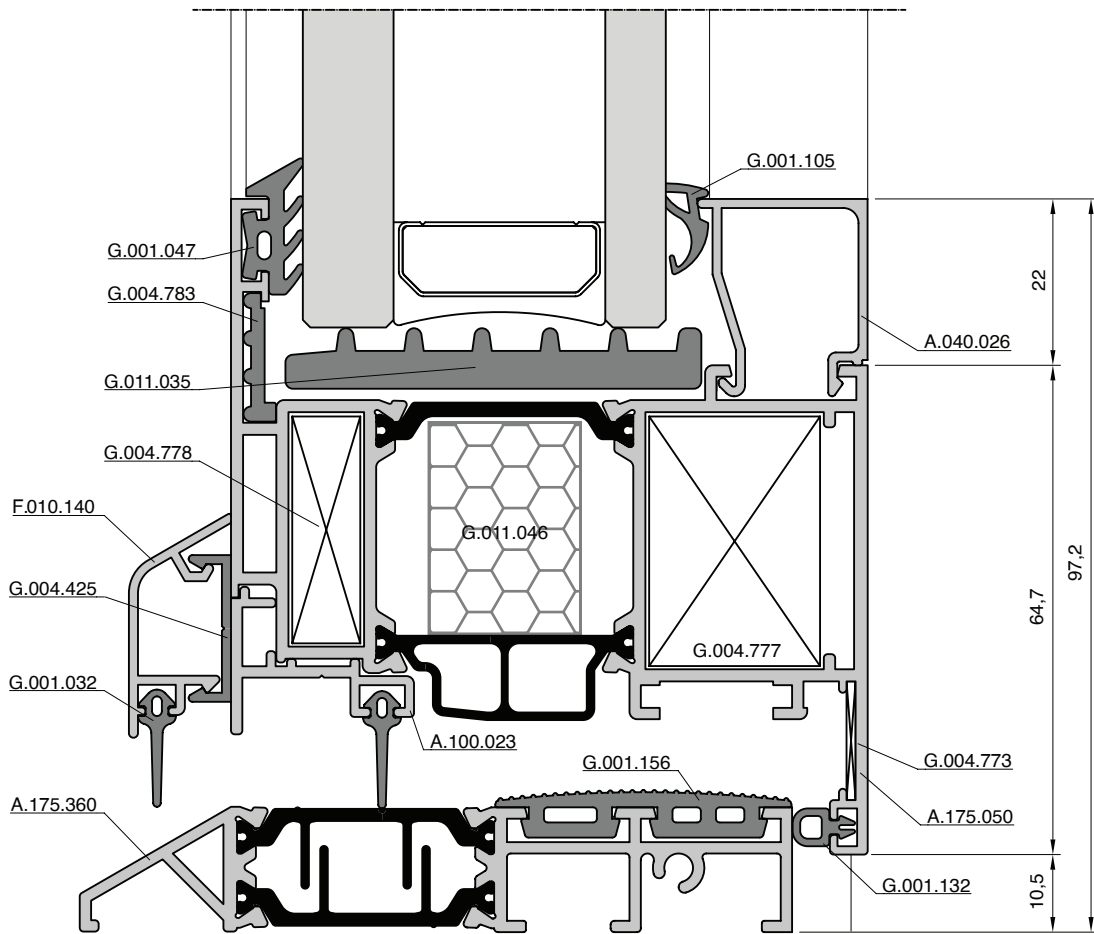
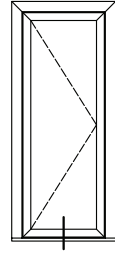
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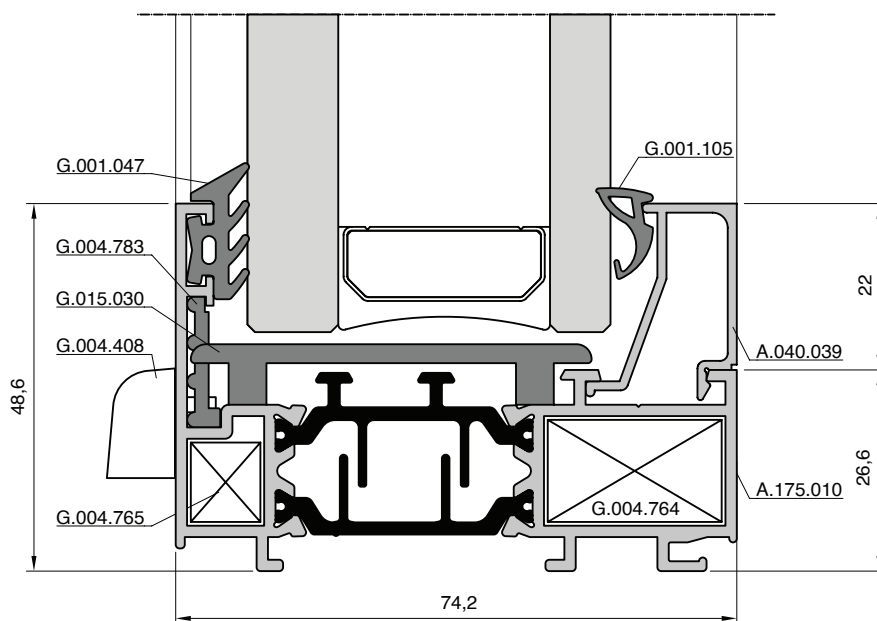
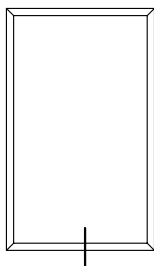
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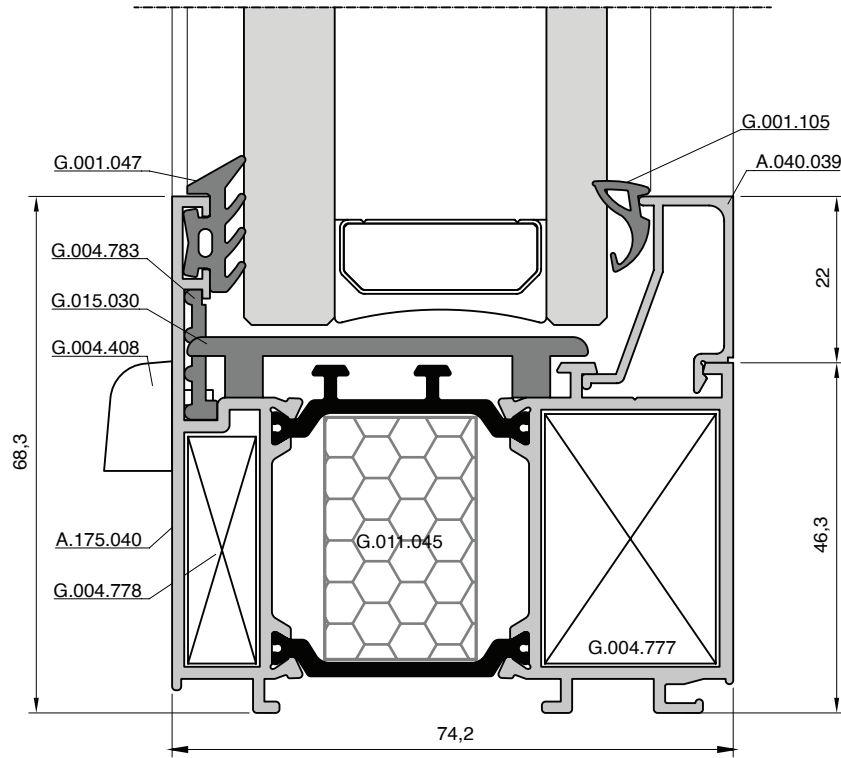
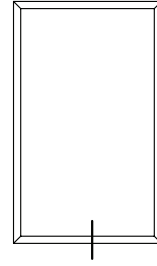
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**SECÇÃO I  
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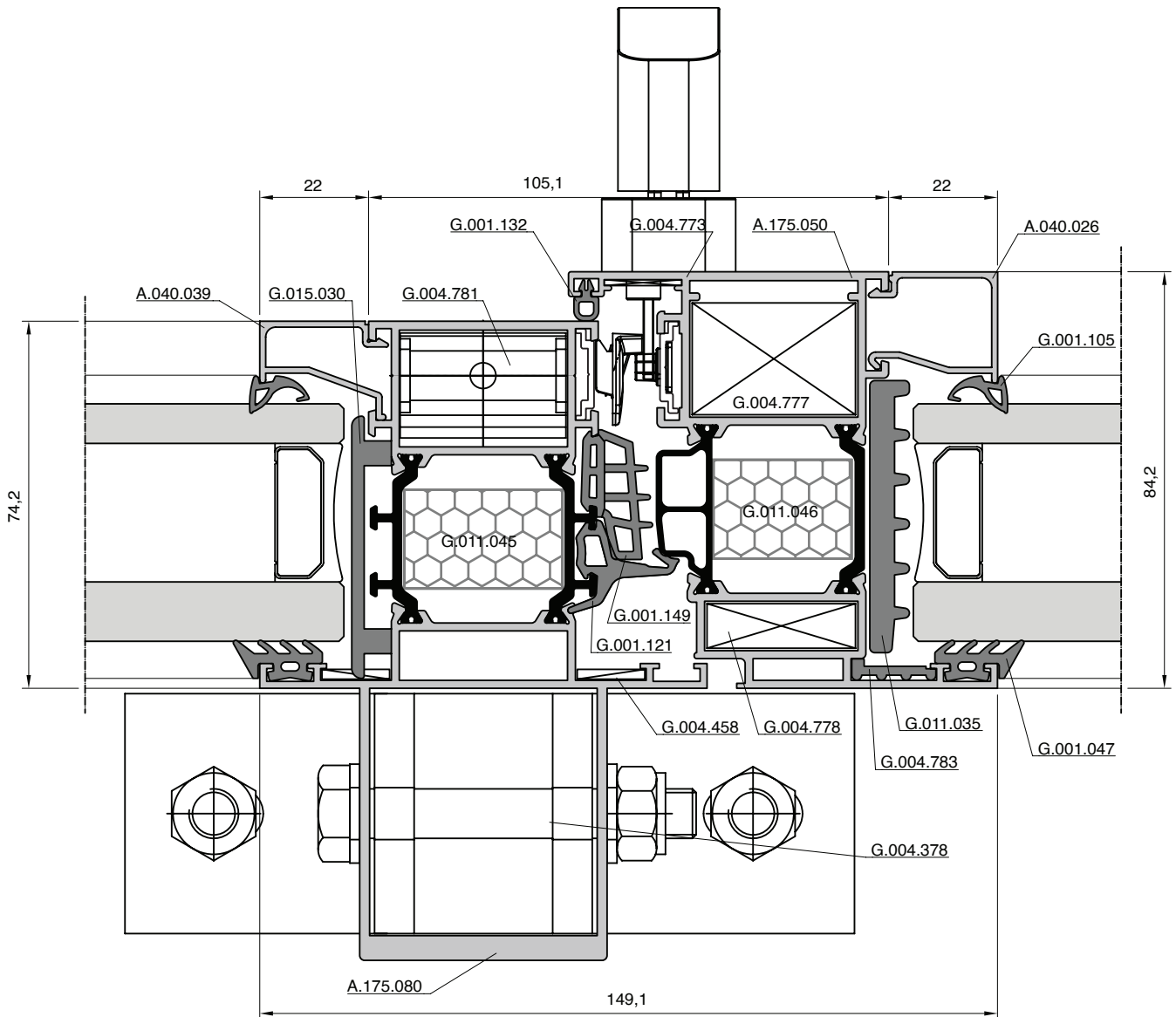
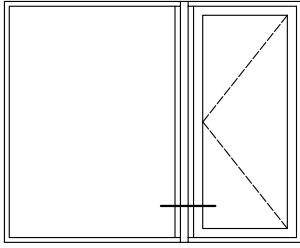
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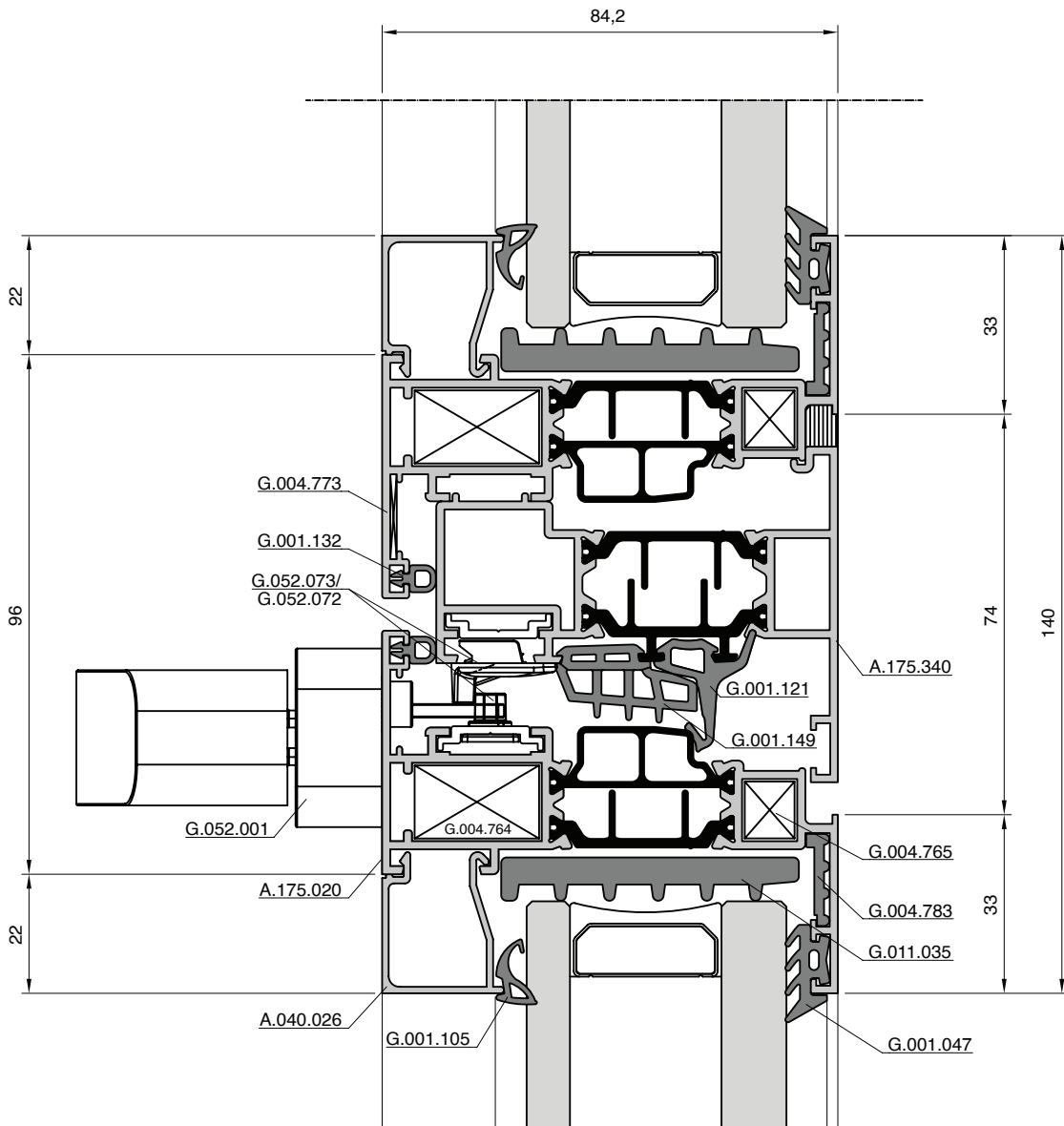
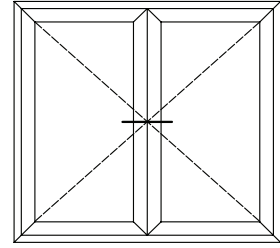
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# SECCÃO M JANELA DUAS FÓLHAS

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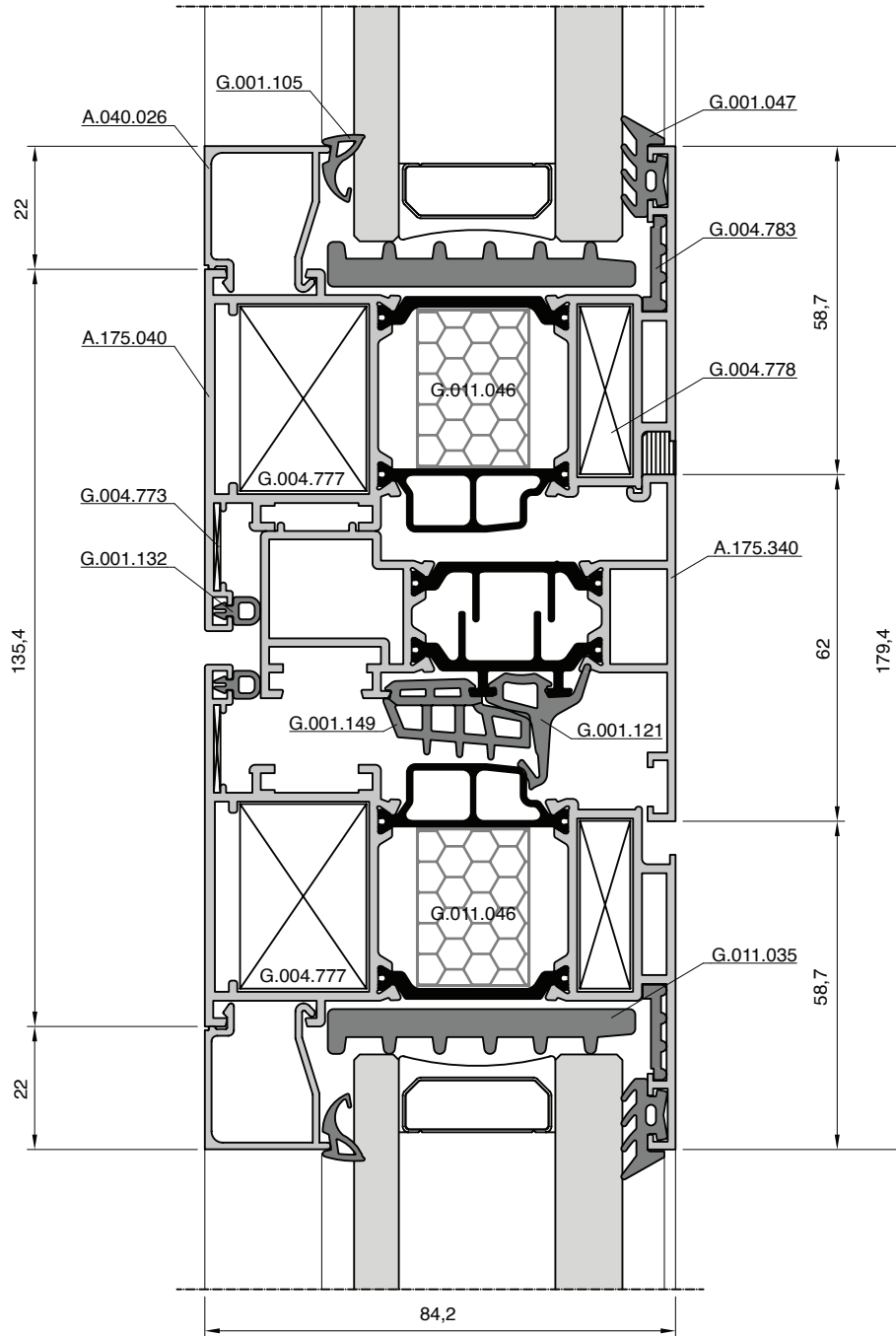
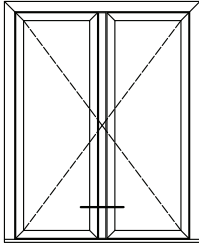
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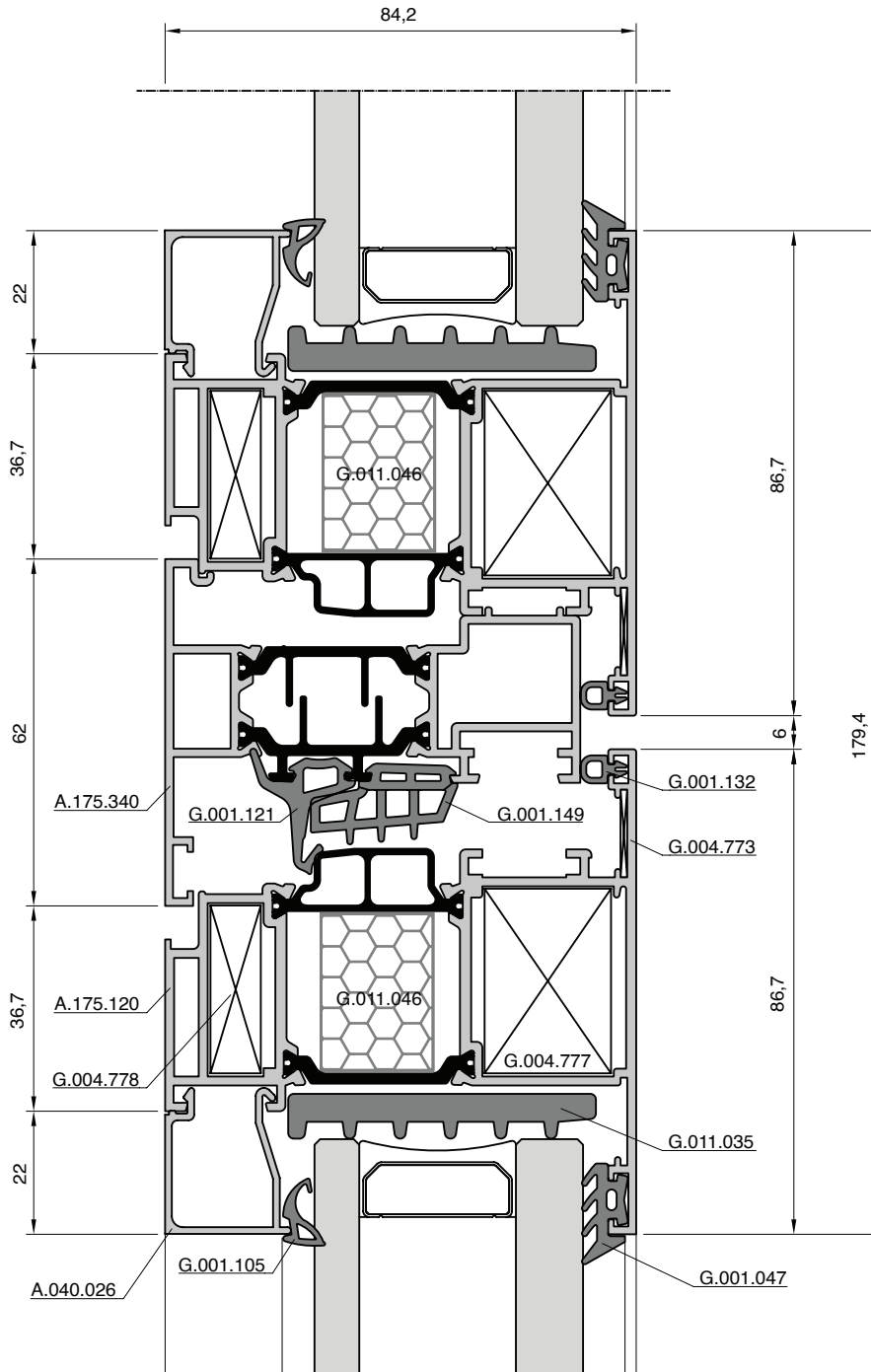
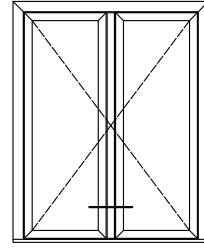




# SECCÃO O

## PORTA DUAS FOLHAS - ABERTURA EXTERIOR

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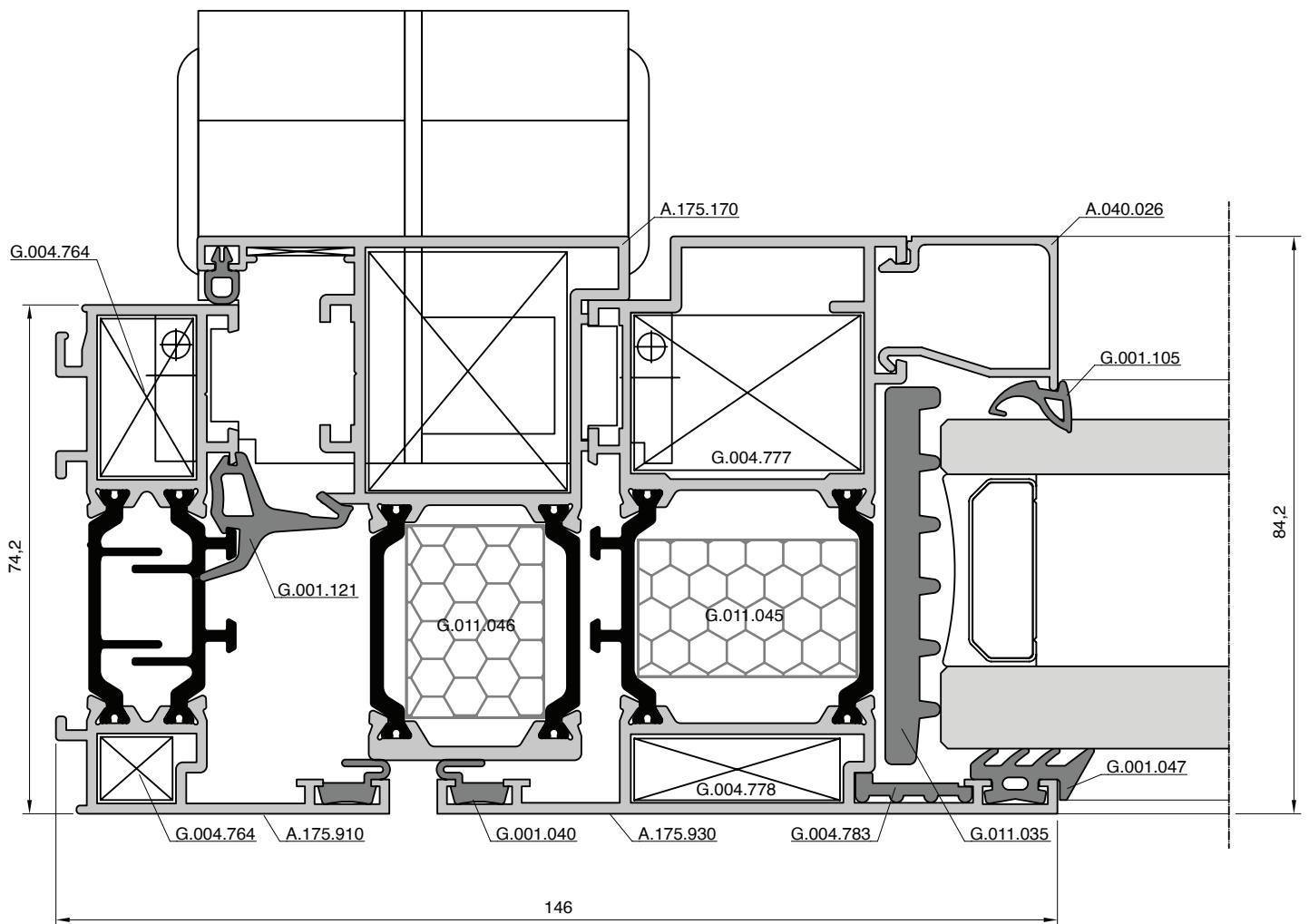
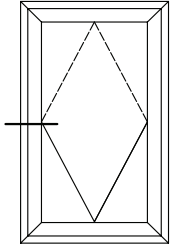
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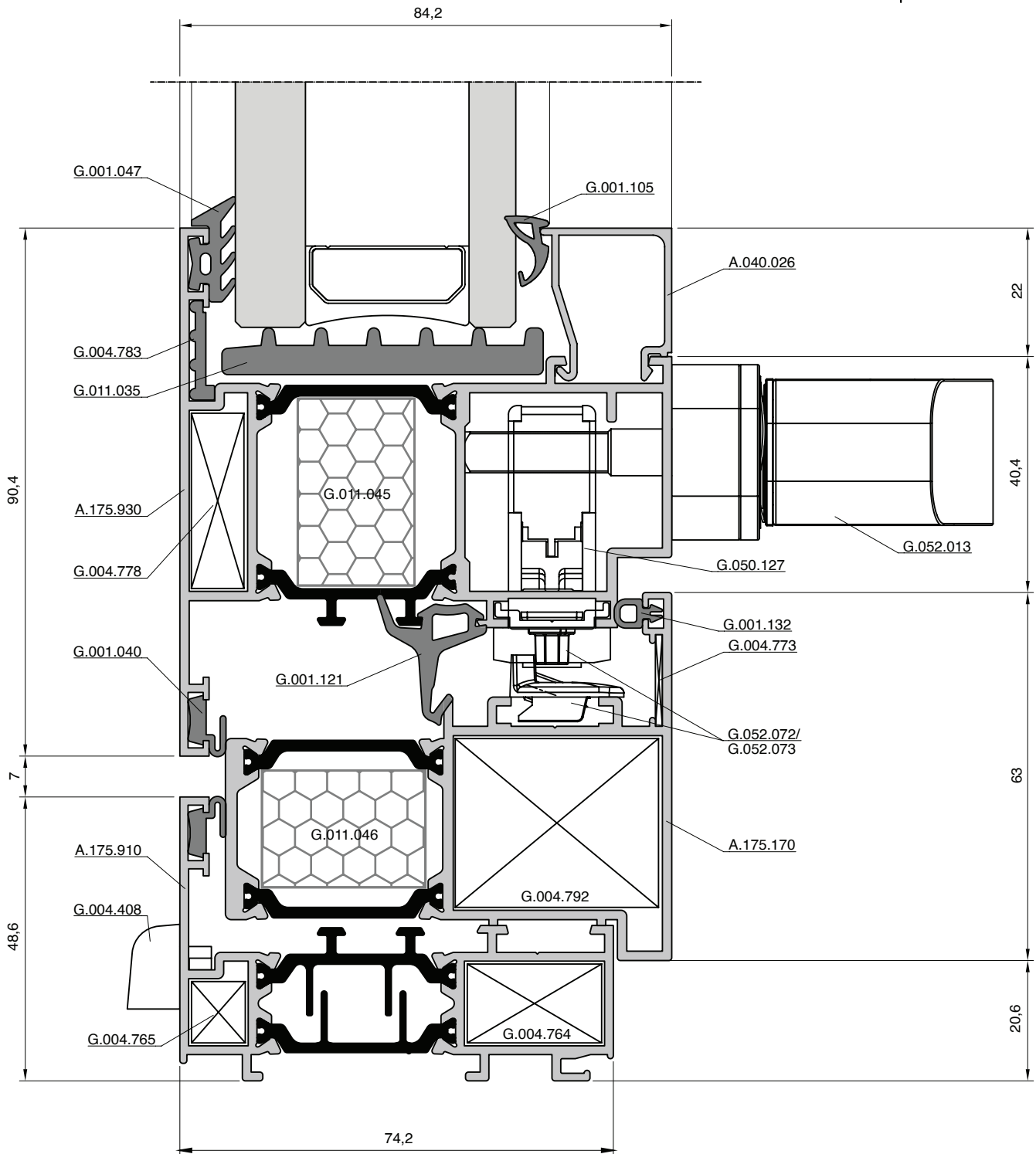
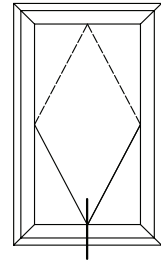
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# SECCÃO P PIVÔTANTE

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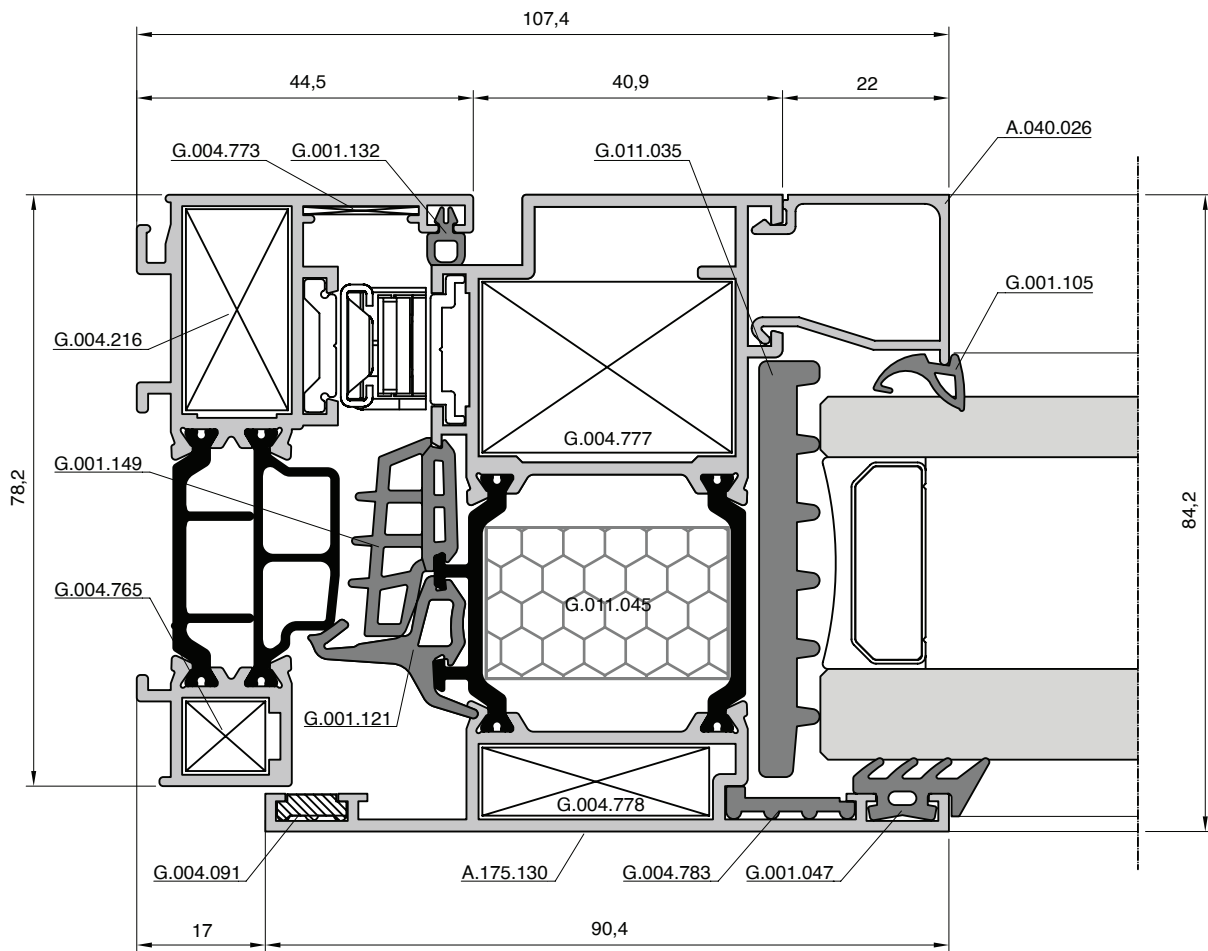
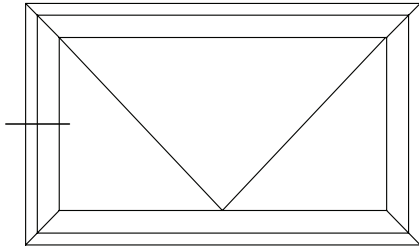
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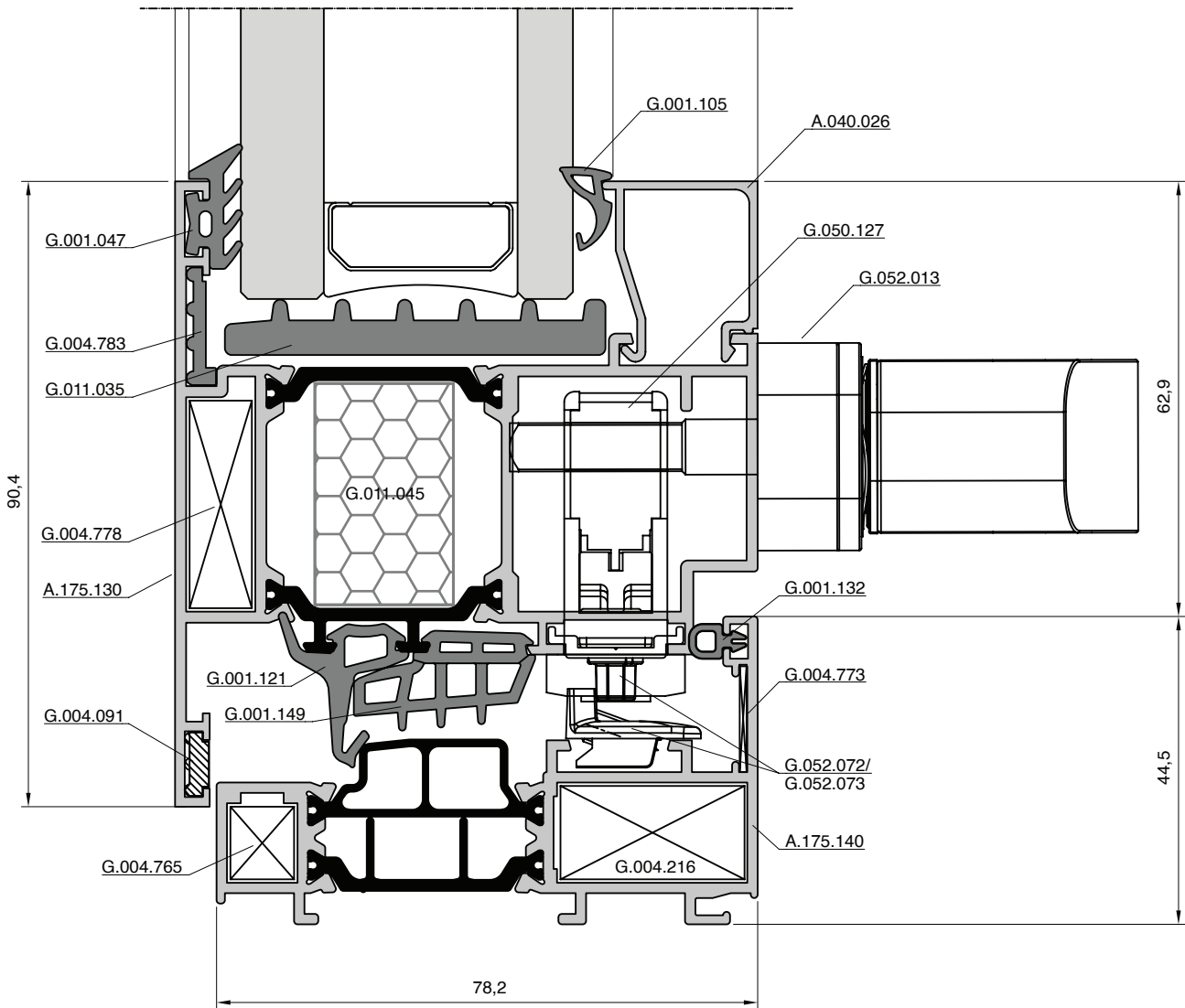
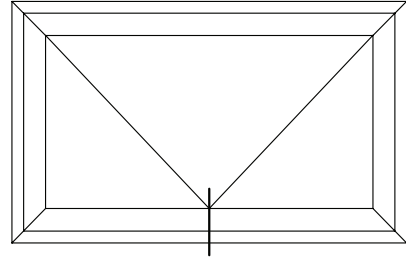
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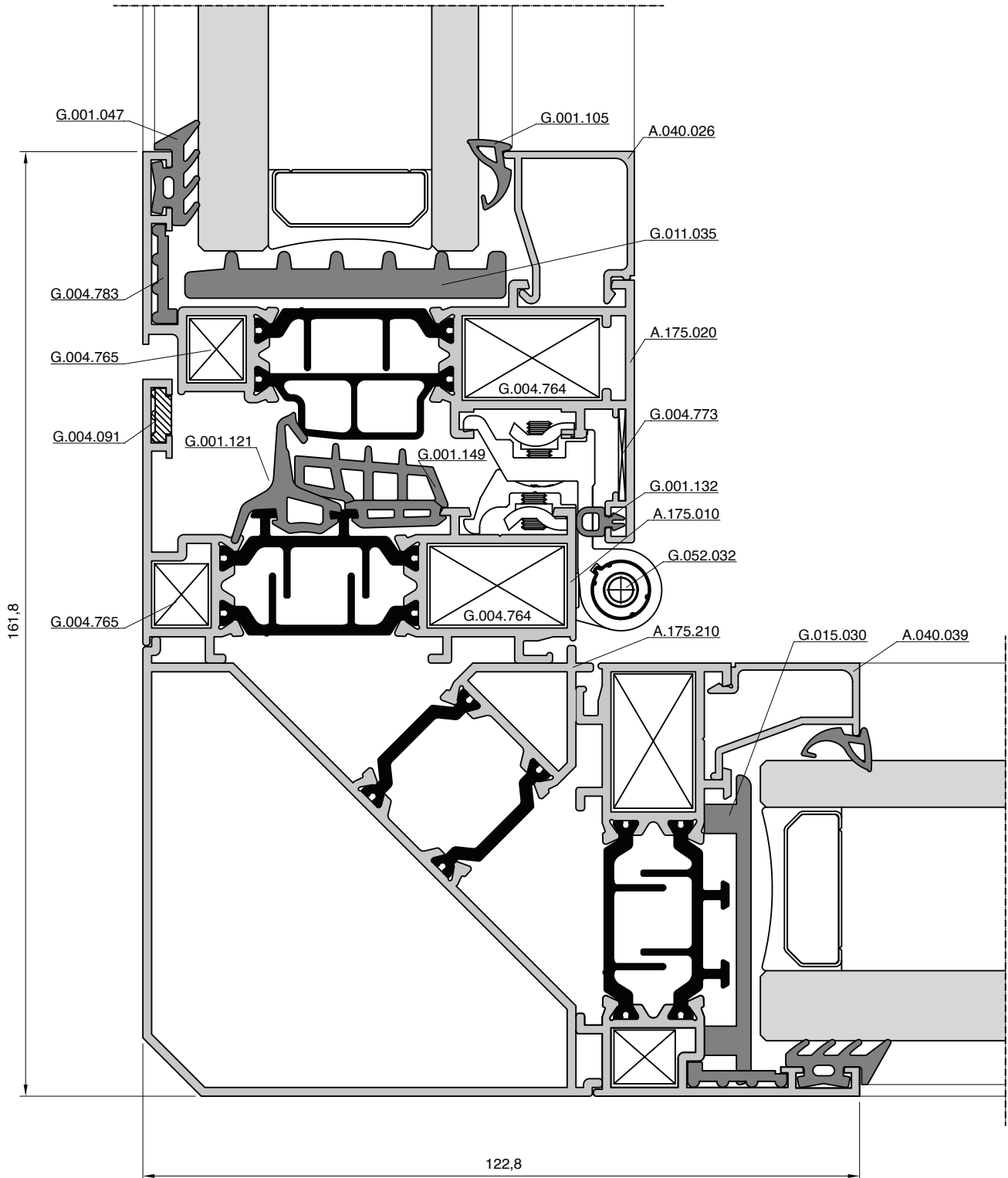
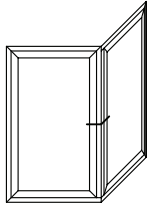
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# SECÇÃO T SOLUÇÃO DE CANTO

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