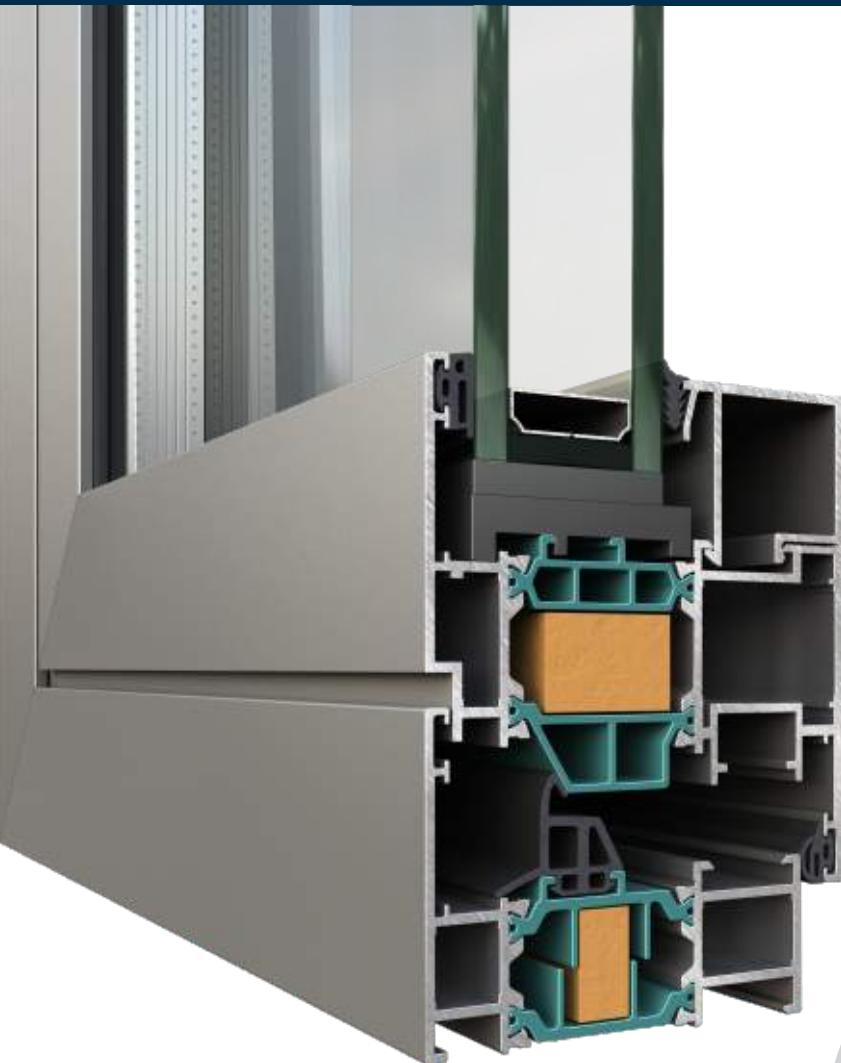




A ALTEST[®] ALUMINIUM PROFILES SYSTEM



Series WDS 70



ATTENTION!

For faultless operation, please read carefully this catalogue!

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The profiles presented in the catalogue are patented and ALTEST Company has the exclusive rights.

ALTEST Company reserves the right to modify the profiles and the presented sections at its own discretion. The system is equipped with full set of calculations made in accordance with the existing manufacturing requirements, presented in this catalogue.

In conclusion – use original ALTEST profiles in compliance with the peculiarities and the technical characteristics presented in this catalogue.

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INTRODUCTION

The window and door system "WDS 70" of company ALTEST is based on a 70mm thermally isolated aluminium frame series designed according to European standards and is designed to receive hardware and accessories commonly used in PVC windows and doors.

It is a thermal break system with 34mm polyamide on the frame profile and 34mm for the sash.

The system consists of wide composition of profiles suitable for many kinds of typologies and architectural solutions.

It is designed to fulfil exterior and interior architectural applications where thermal break is required.

The system "WDS 70" is suitable for different version of opening and fixed systems.

The range of profiles, modern accessories and gaskets of EPDM guarantee high performance, excellent drainage, high thermal resistance, high acoustic performance, and high wind resistance.

The series is suitable also for tilt and turn mechanism with a PVC groove.

Versions of fixed, vertical and horizontal opening windows as well as fixed and opening sections doors are possible.

The system "WDS 70" is based on work with 2 seal gaskets - central and inner seal (the central gasket is specially design for the series).

The dimensions of the profiles are to accept PVC hardware accessories and aluminium press corner connecting joints.

The system can accept accessories from the companies: GU, Siegenia, Roto, and many others.

The range basic profiles (frames) and glass holders, allows the usage of 24mm to 44mm glazing.

Of course variable design elaborations are possible, due to wide variety of frames, sashes and other auxiliary profiles.

This is a modern aluminium system, satisfying the latest architectural trends for doors and windows with very high thermal performances.

These advantages allow the system to be integrated in all kind of weather conditions and different buildings.

The profiles can be painted in all range of RAL colors.

The profiles are produced according to DIN 1725 T1, and is produce with the aluminium alloy AW6063 T6.

The technical and mechanical characteristics of the particular alloy are:

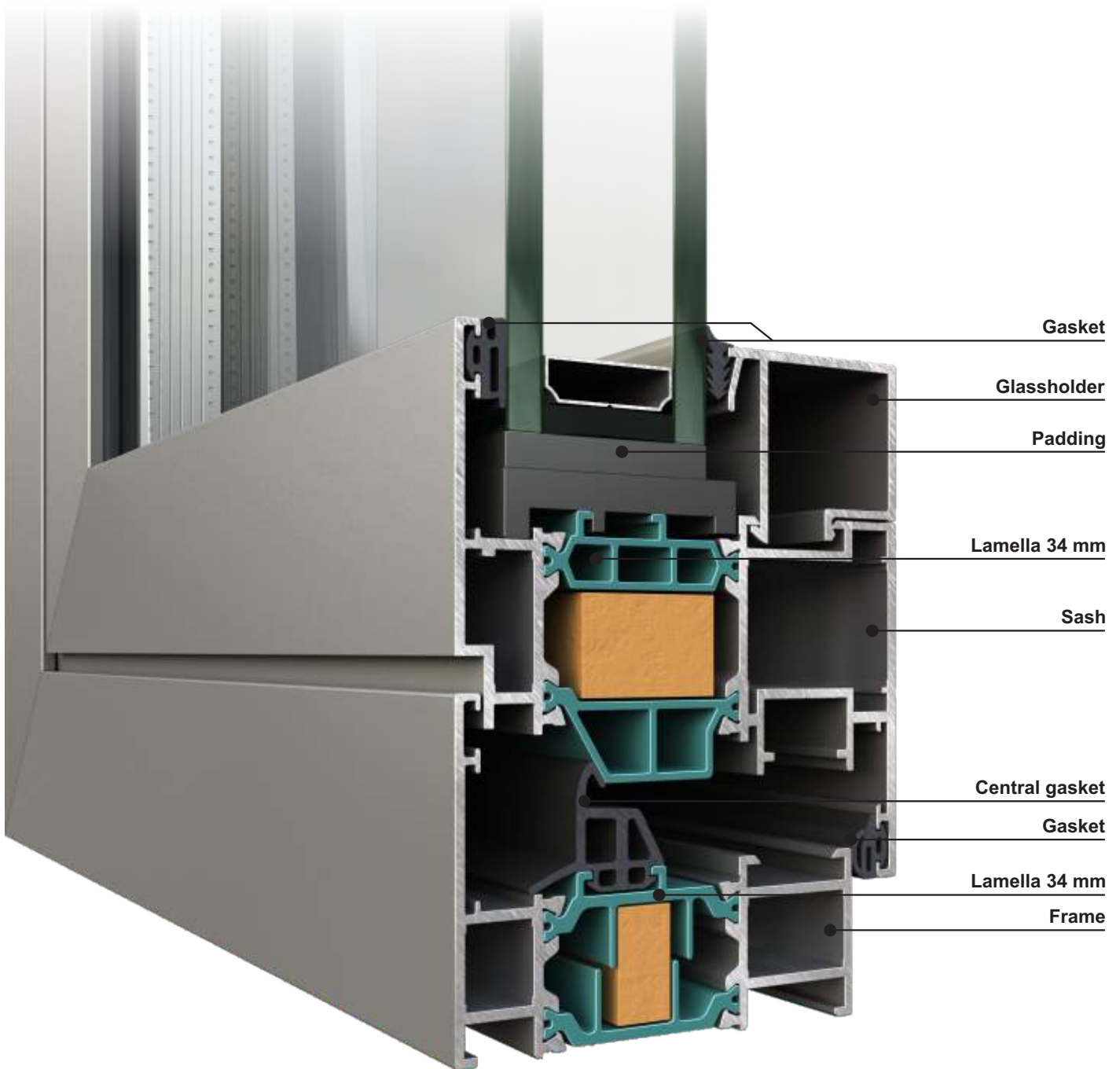
Elasticity module: 70 000 Nmm⁻²

Coefficient of linear expansion: $\alpha = 2.34 \cdot 10^{-6} \text{ K}^{-1}$

Tensile strength: $R_m = 215 \text{ Nmm}^{-2}$

Relative density: $\gamma = 2.7 \text{ gr.cm}^{-3}$

INTRODUCTION

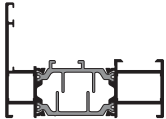
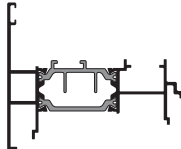
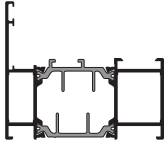
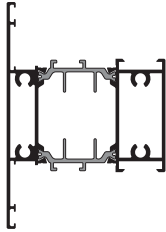
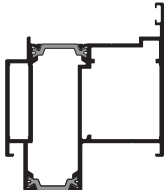
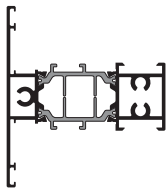
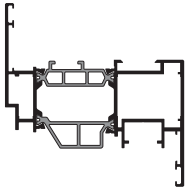
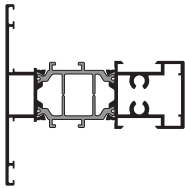
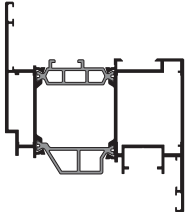
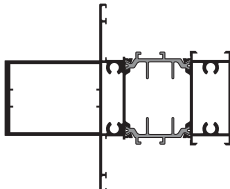


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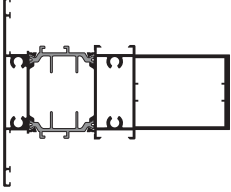
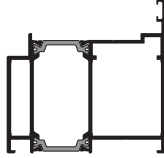
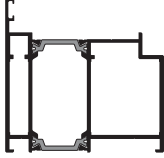
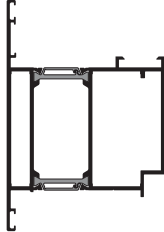
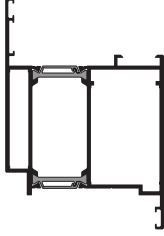
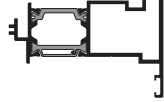
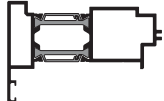



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PROFILES OVERVIEW

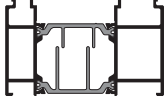
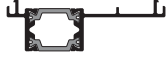
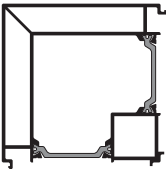

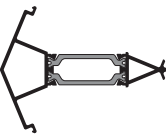
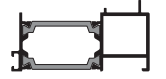


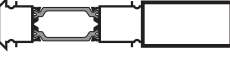

PROFILES OVERVIEW

Profile shape	Profile code / description	Weight (gr/m)	Profile shape	Profile code / description	Weight (gr/m)
	05 0100 Frame	1245		05 0322 Overhung	1277
	05 0101 Frame	1419		05 0301 Mullion	2077
	05 1102	2090		05 0304 Mullion	1685
	05 0205 Sash	1735		05 0309 Mullion	1713
	05 0211 Sash	1943		05 0302 Mullion	2928














PROFILES OVERVIEW

Profile shape	Profile code / description	Weight (gr/m)	Profile shape	Profile code / description	Weight (gr/m)
	05 0303 Mullion	2927		05 1104	1831
	05 1103	1857		05 1204	2164
	05 1203	2170		05 1304	1238
	05 1303	1546		05 1401	667
	05 1400	693		05 1420	972

PROFILES OVERVIEW

Profile shape	Profile code / description	Weight (gr/m)	Profile shape	Profile code / description	Weight (gr/m)
	05 0600	1452		05 0700	755
	05 0604	1976		05 0804	1060
	05 0605	1027		05 0805	900
	05 0602	949		05 1410	646
	05 0603	1609		05 1411	222

PROFILES OVERVIEW

Profile shape	Profile code / description	Weight (gr/m)	Profile shape	Profile code / description	Weight (gr/m)
	05 0800	246		05 0502 Glass bead (for sash and for mullion to sash)	431
	05 0802	136		05 0503 Glass bead (for sash and for mullion to sash)	421
	05 0803	141		05 0504 Glass bead (for sash and for mullion to sash)	412
	05 0400 Glass bead (for frame and for mullion to frame)	388			
	05 0401 Glass bead (for frame and for mullion to frame)	371			
	05 0402 Glass bead (for frame and for mullion to frame)	364			
	05 0403 Glass bead (for frame and for mullion to frame)	355			
	05 0404 Glass bead (for frame and for mullion to frame)	345			
	05 0500 Glass bead (for sash and for mullion to sash)	455			
	05 0501 Glass bead (for sash and for mullion to sash)	439			

NOTES

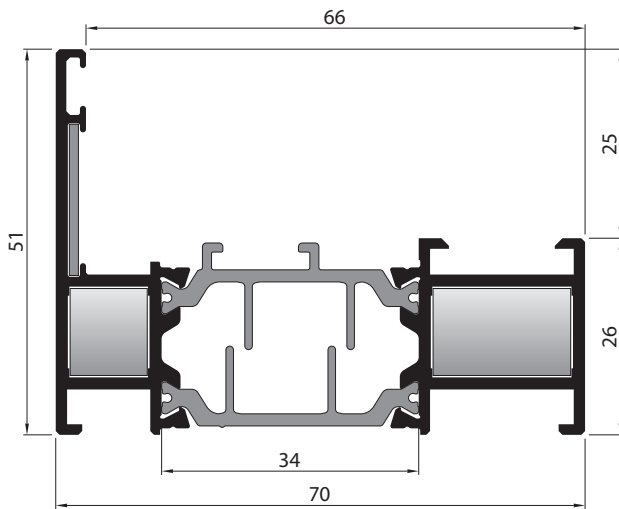
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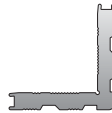



**Series
WDS 70**

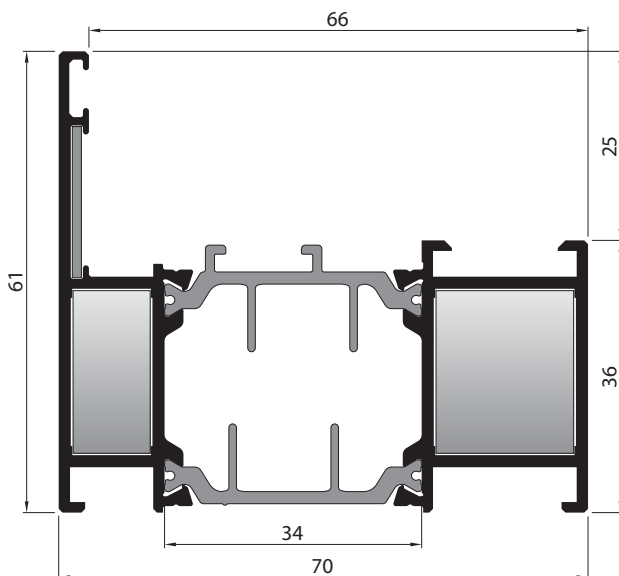



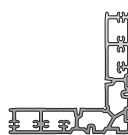



PROFILES

PROFILES

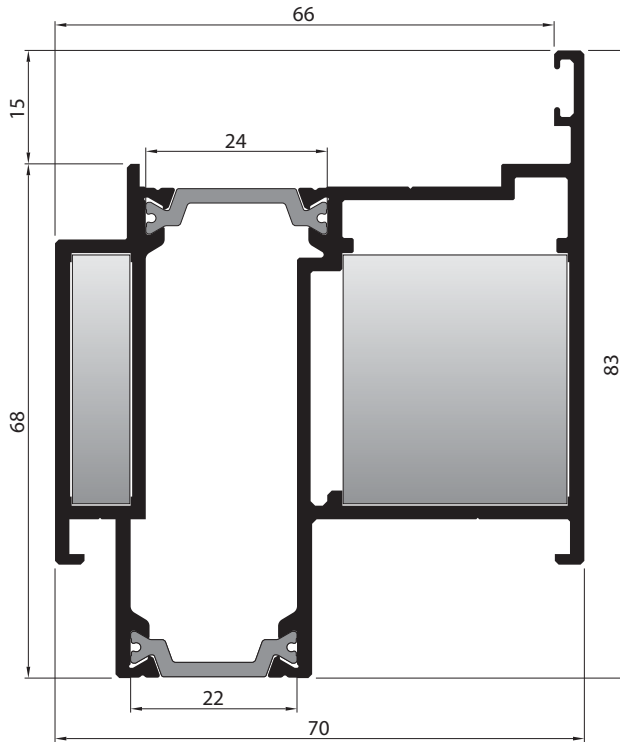


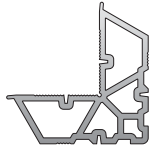

FRAME	Weight (gr/m)	Ix / Iy cm4	Wx / Wy cm3
05 0100	1245	5.07 / 25.66	1.45 / 6.60
JOINTS	 APE 720	 WDS05010 WDS05011	
GASKETS	 U2 EPDM gasket for fixing the glass	 EPDM gasket for the fix parts	
	 US 11.5105 EPDM central gasket for the opening parts		

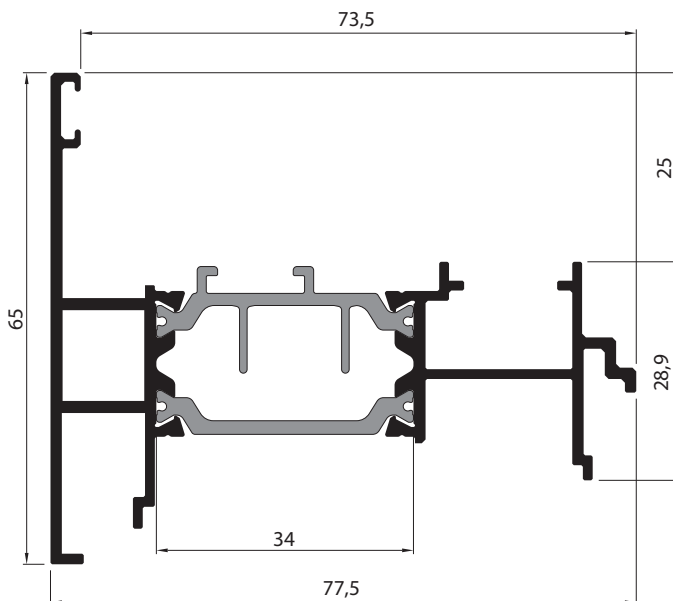



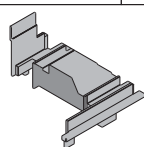
FRAME	Weight (gr/m)	Ix / Iy cm4	Wx / Wy cm3
05 0101	1419	9.49 / 30.47	2.38 / 5.787
JOINTS	 APE 720	 WDS05500 WDS05510	
GASKETS	 U2 EPDM gasket for fixing the glass	 EPDM gasket for the fix parts	
	 US 11.5105 EPDM central gasket for the opening parts		

PROFILES

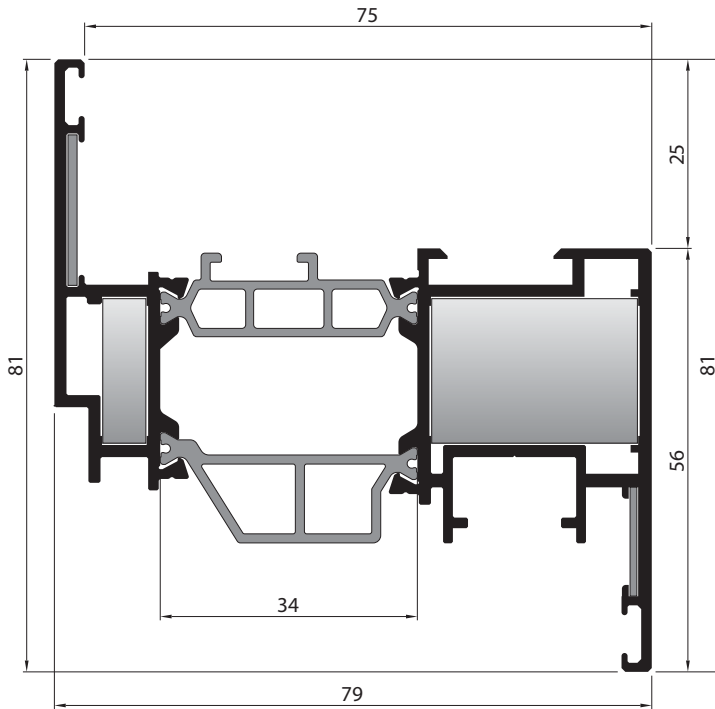








FRAME 05 1102	Weight (gr/m)	Ix / Iy cm ⁴	Wx / Wy cm ³
	2090	31.78 / 43.26	7.22 / 11.88
JOINTS	 WDS05100 WDS05101		
GASKETS	 EPDM gasket for fixing the opening parts US 11.5102		

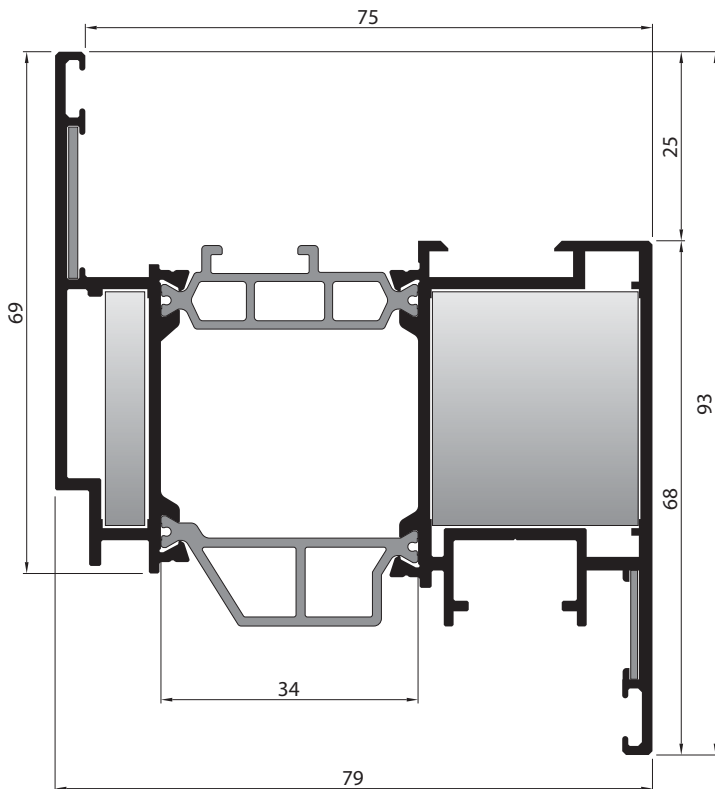








OVERHUNG 05 0322	Weight (gr/m)	Ix / Iy cm ⁴	Wx / Wy cm ³
	1277	6.55 / 28.81	1.77 / 5.89
GASKETS	 EPDM central gasket for the opening parts US 11.5105		
	 APE 316		

PROFILES

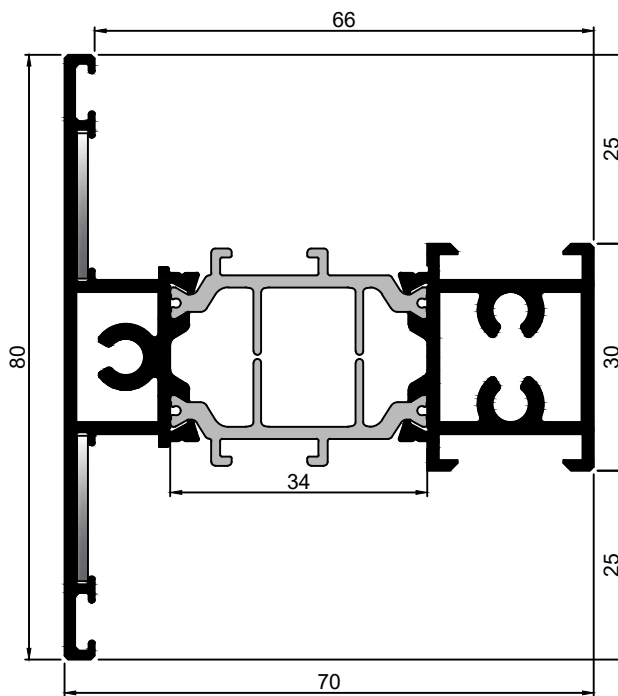
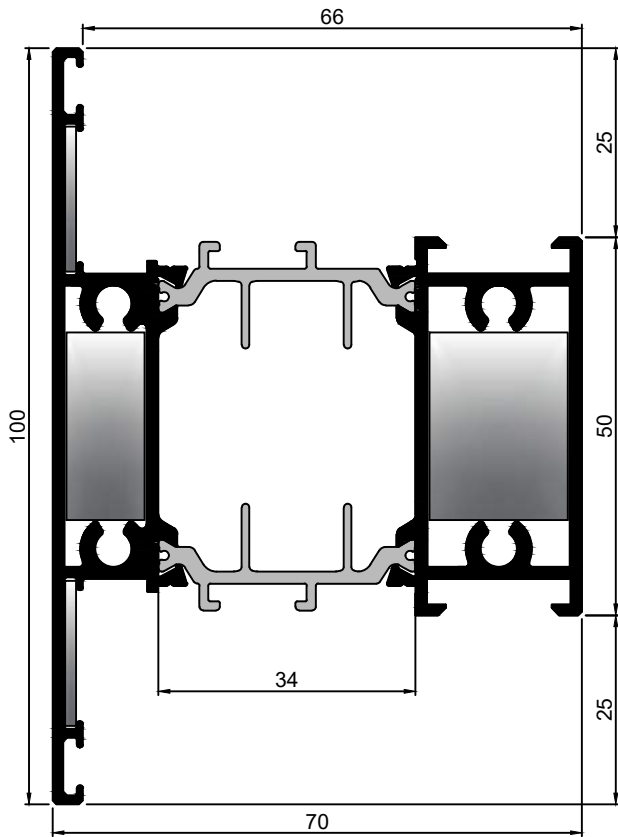









SASH 05 0205	Weight (gr/m)	Ix / Iy cm4	Wx / Wy cm3
	1735	14.15 / 47.07	3.35 / 11.29
JOINTS	 APE 720	 APE 7	 WDS05120 WDS05121
	 U2 EPDM gasket for fixing the glass		 US 11.5102 EPDM gasket for fixing the opening parts
GASKETS	 US 11.5100 EPDM gasket for the fix parts		








SASH 05 0211	Weight (gr/m)	Ix / Iy cm4	Wx / Wy cm3
	1943	24.99 / 54.45	5.16 / 13.31
JOINTS	 APE 720	 APE 7	 WDS05110 WDS05111
	 U2 EPDM gasket for fixing the glass		 US 11.5102 EPDM gasket for fixing the opening parts
GASKETS	 US 11.5100 EPDM gasket for the fix parts		

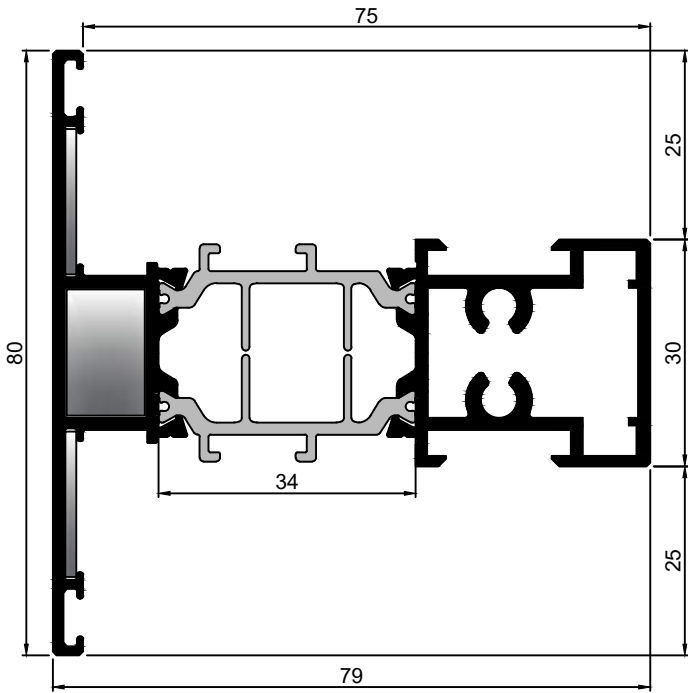
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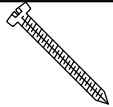




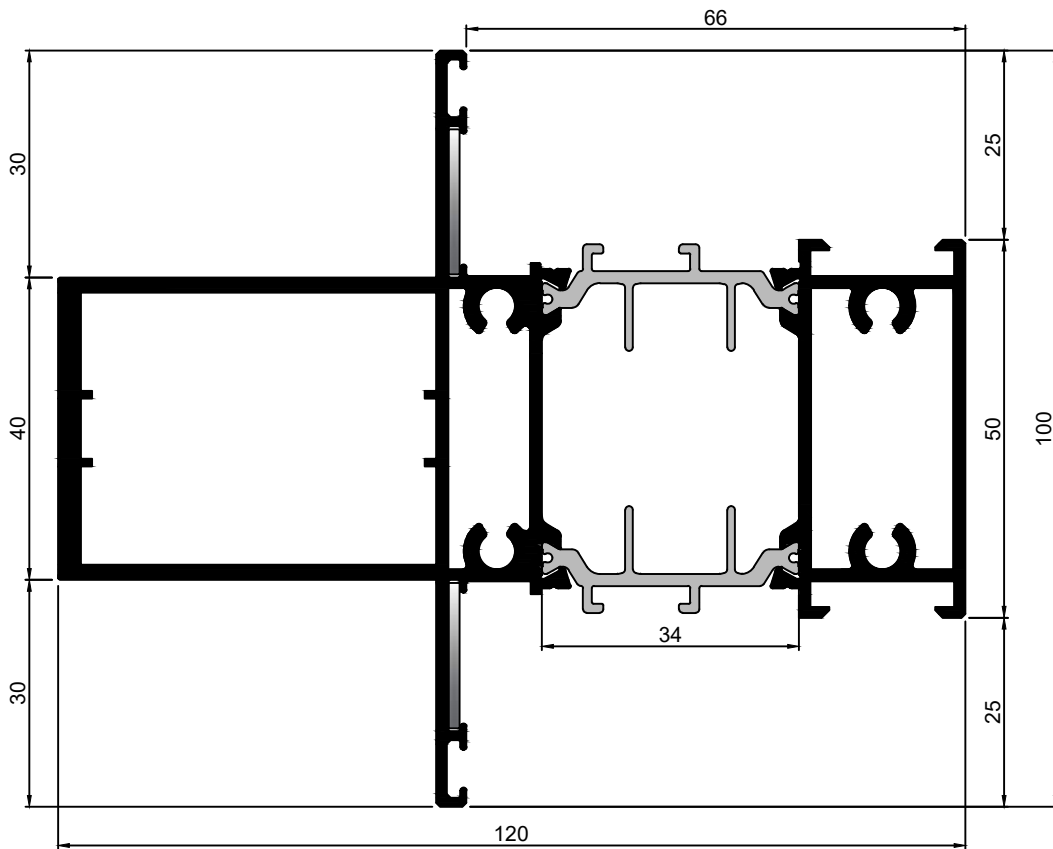
MULLION 05 0301	Weight gr/m	Ix / Iy cm4	Wx / Wy cm3
	2077	29.59/47.99	5.92/12
JOINTS	 WDS05300	 WDS05410	 VM 12212
	 APE1701DX	 APE1701SX	
GASKETS	 US 11.5100	EPDM gasket for the fix parts	 US 11.5105
		EPDM central gasket for the opening parts	





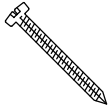



MULLION 05 0304	Weight gr/m	Ix / Iy cm4	Wx / Wy cm3
	1685		
GASKETS	 US 11.5100	EPDM gasket for the fix parts	 US 11.5105
	EPDM central gasket for the opening parts		
JOINTS	 APE1701DX	 APE1701SX	
	 VM 12212		

PROFILES

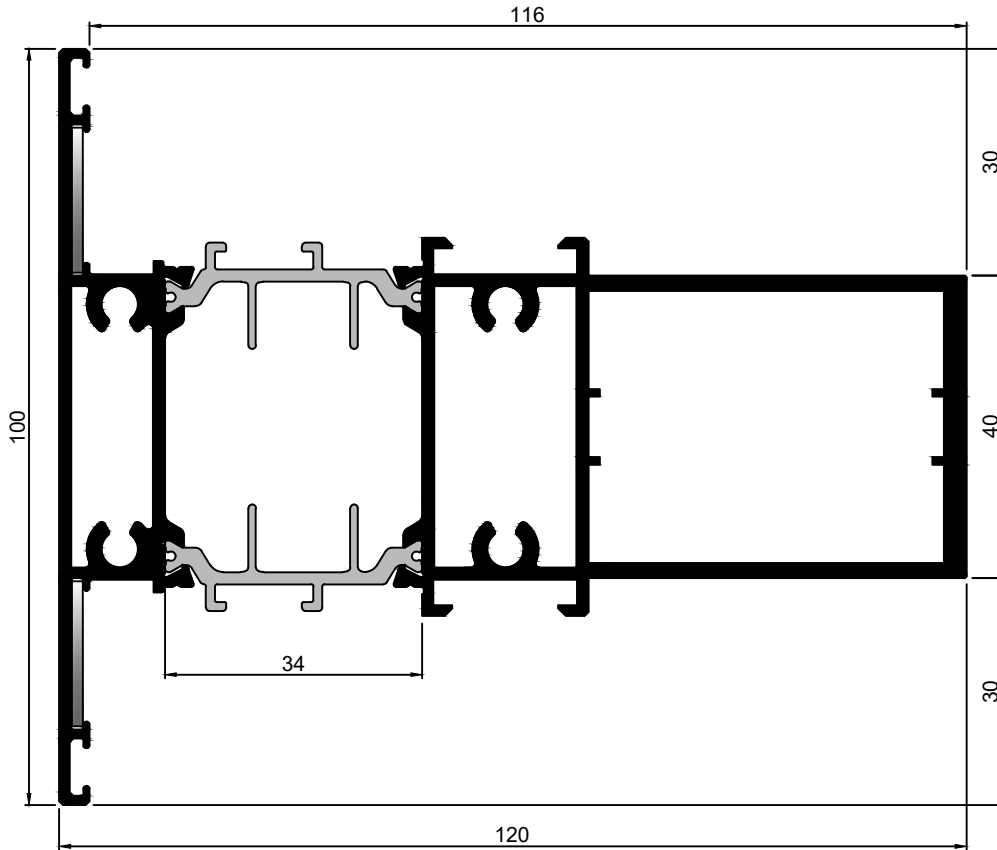






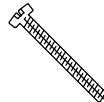


MULLION 05 0309	Weight gr/m	Ix / Iy cm4	Wx / Wy cm3
	1713	11.93/45.85	2.98/10.61
GASKETS	 EPDM gasket for the fix parts US 11.5100	 EPDM central gasket for the opening parts US 11.5105	
	 WDS05400	 VM 12212	
JOINTS	 APE1701DX	 APE1701SX	

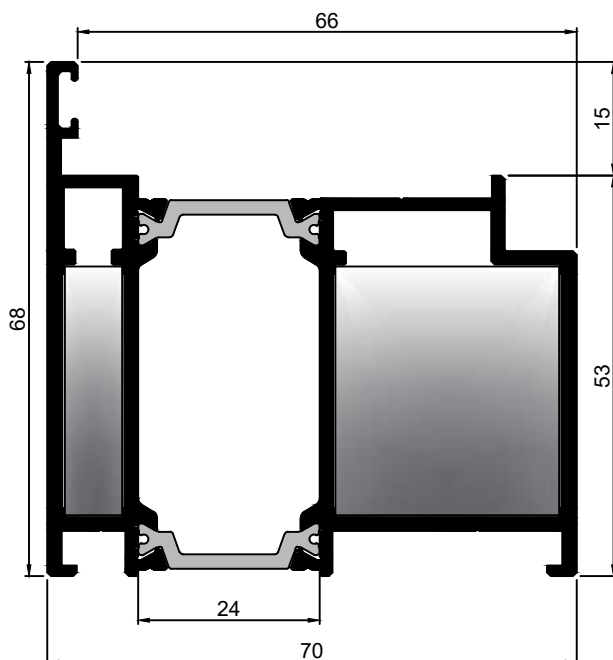


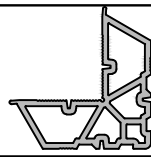

MULLION 05 0302	Weight gr/m
	2928
Ix / Iy cm4	Wx / Wy cm3
40.27/207.81	8.05/27.56
JOINTS	
 WDS05310	 APE1701DX
 WDS05420	 APE1701SX
 VM 12212	 APE1701SX
GASKETS	
 EPDM gasket for the fix parts US 11.5100	 EPDM central gasket for the opening parts US 11.5105

PROFILES



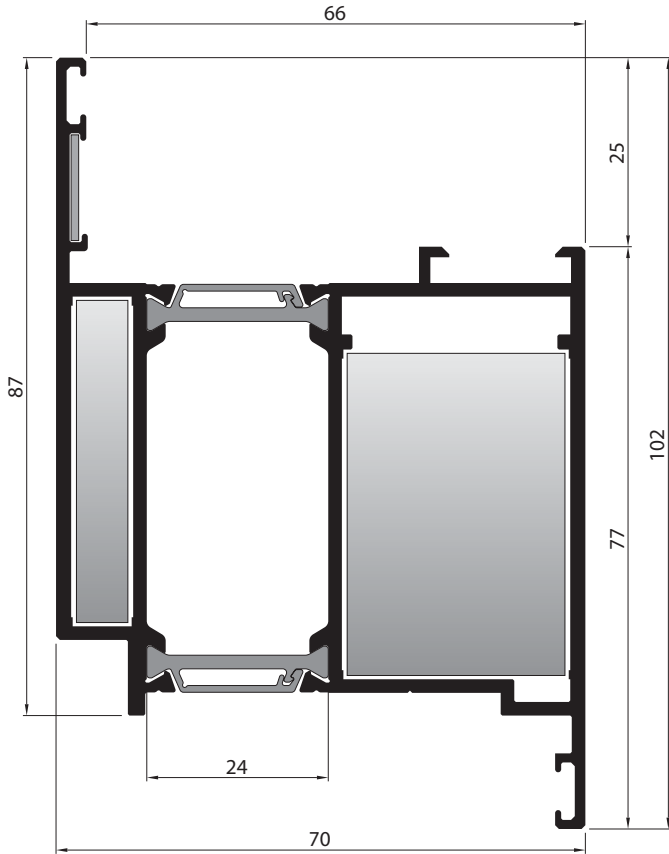
MULLION 05 0303	Weight gr/m
	2927
lx / ly cm4	Wx / Wy cm3
40.27/260.21	8.05/36.29
JOINTS	
 WDS05310	 APE1701DX
 WDS05420	 APE1701SX
 VM 12212	
GASKETS	
 US 11.5100	 US 11.5105


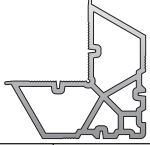





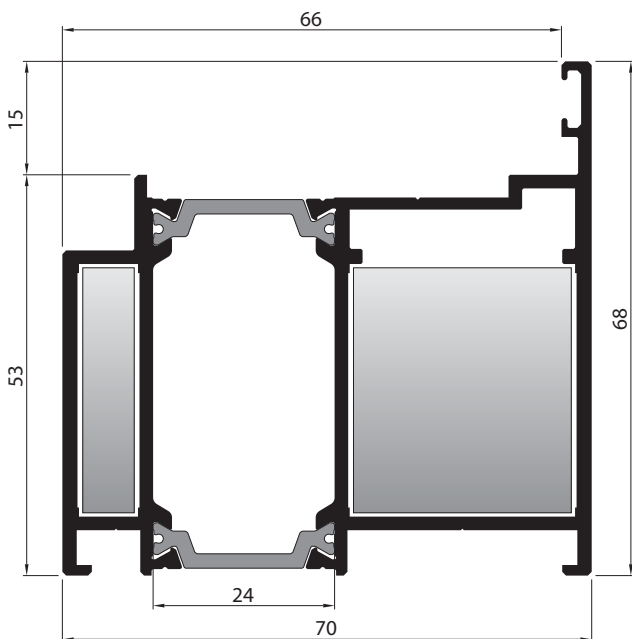
FRAME 05 1103	Weight gr/m	lx / ly cm4	Wx / Wy cm3
	1857	21.61/39.79	5.40/9.92
JOINTS			WDS05100 WDS05101
GASKETS	 US 11.5102	EPDM gasket for fixing the opening parts	



ALL OF THE PROFILE WEIGHTS ARE THEORETICAL
M 1:1

PROFILES

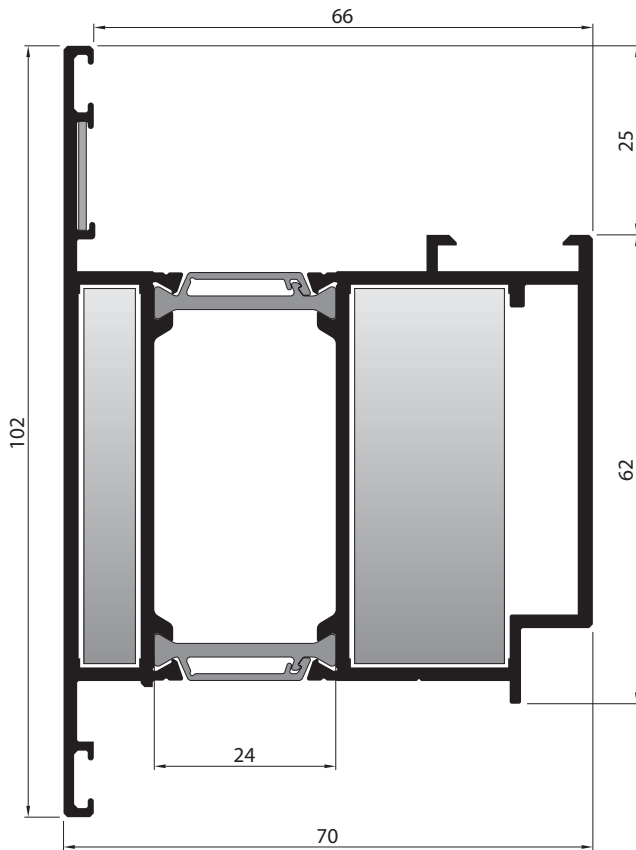



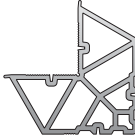



SASH 05 1203	Weight (gr/m)	Ix / Iy cm4	Wx / Wy cm3
	2170	41.60 / 51.17	7.66 / 13.79
JOINTS	 APE 7	 WDS05800 WDS05810	
GASKETS	 U2 EPDM gasket for fixing the glass	 US 11.5102 EPDM gasket for fixing the opening parts	
	 US 11.5100 EPDM gasket for the fix parts		

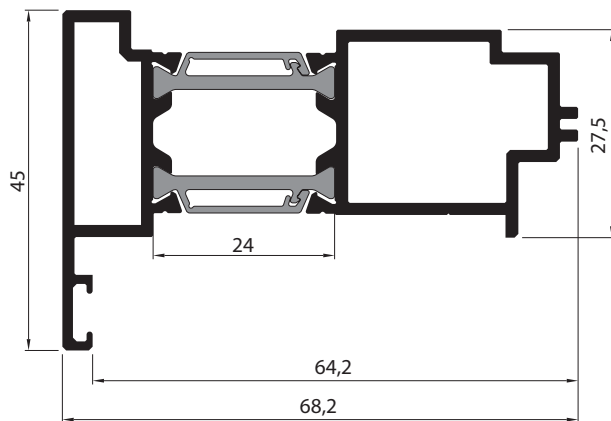



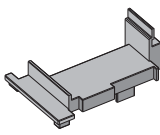
FRAME 05 1104	Weight (gr/m)	Ix / Iy cm4	Wx / Wy cm3
	1831	21.36 / 40.86	5.31 / 11.54
JOINTS	 WDS05100 WDS05101		
GASKETS	 US 11.5102 EPDM gasket for fixing the opening parts		

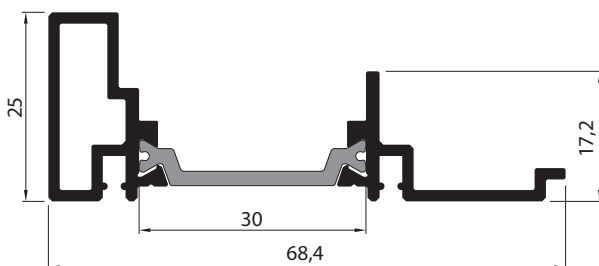
PROFILES

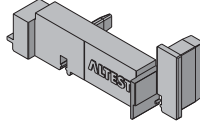



SASH 05 1204	Weight (gr/m)	Ix / Iy cm4	Wx / Wy cm3
	2164	41.11 / 48.62	7.61 / 11.83
JOINTS	 APE 7		WDS05900 WDS05910
GASKETS	 U2	EPDM gasket for fixing the glass	 US 11.5102
	 US 11.5100	EPDM gasket for the fix parts	EPDM gasket for fixing the opening parts

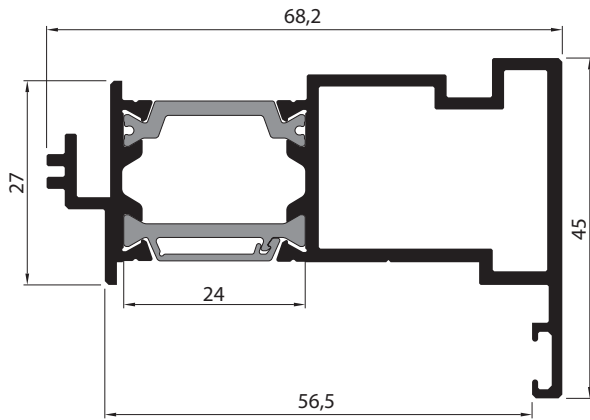



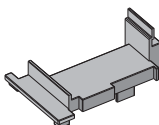
05 1303	Weight (gr/m)	Ix / Iy cm4	Wx / Wy cm3
	1546	4.58 / 20.78	1.64 / 5.29
GASKETS	 US 11.5102	EPDM gasket for fixing the opening parts	
COVER CAPS		APE 317	

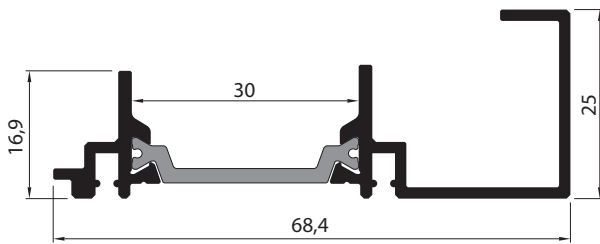


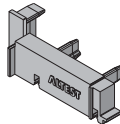

05 1400	Weight (gr/m)	Ix / Iy cm4	Wx / Wy cm3
	693	1.20 / 10.87	0.71 / 2.49
COVER CAPS		WDS 1400	
BRUSHES		TZ WDS	

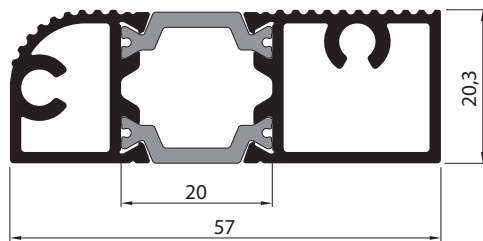
PROFILES



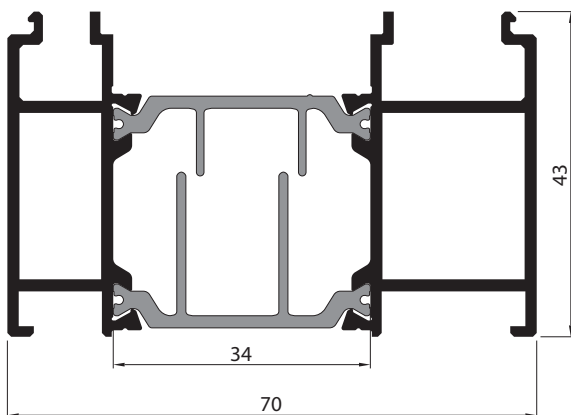
05 1304	Weight (gr/m)	lx / ly cm4	Wx / Wy cm3
	1238	4.64 / 20.90	1.68 / 5.24
GASKETS	 EPDM gasket for fixing the opening parts US 11.5102		
COVER CAPS	 APE 318		



05 1401	Weight (gr/m)	lx / ly cm4	Wx / Wy cm3
	667	1.04 / 11.75	0.60 / 3.08
COVER CAPS	 WDS 1401		
BRUSHES	 TZ WDS		

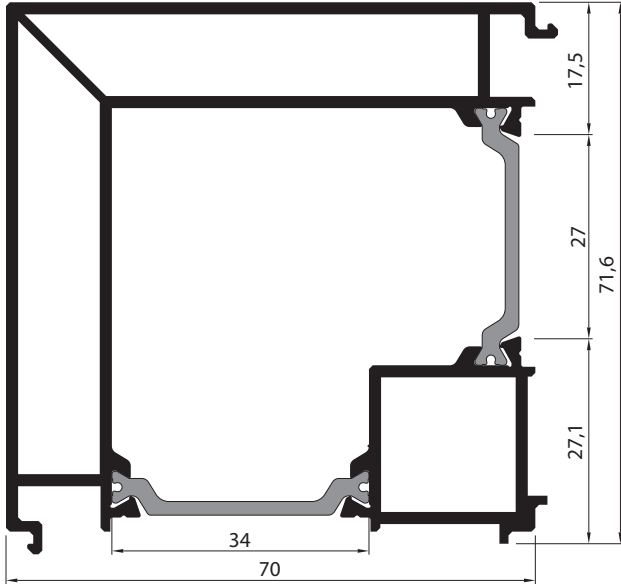


05 1420	Weight (gr/m)	lx / ly cm4	Wx / Wy cm3
	972	1.59 / 11.11	1.42 / 3.83

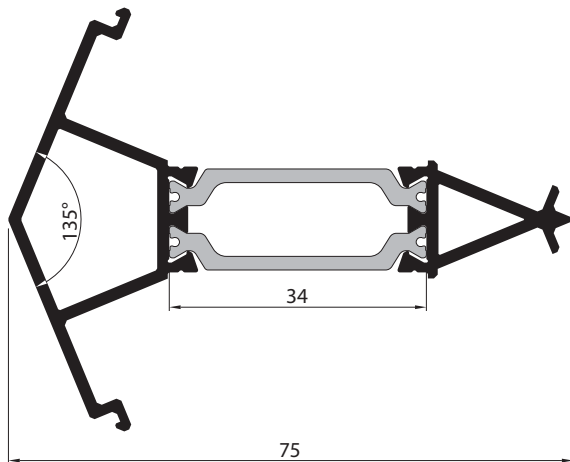


05 0600	Weight (gr/m)	lx / ly cm4	Wx / Wy cm3
	1452	7.27 / 29.50	3.22 / 8.26

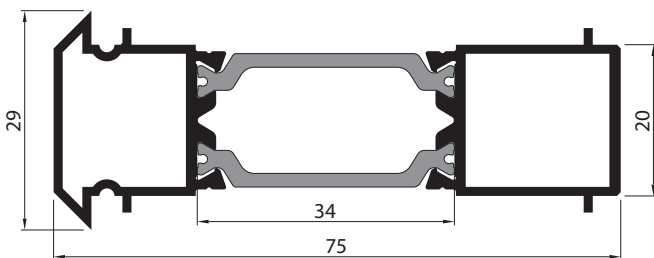
PROFILES



05 0604	Weight (gr/m)	Ix / Iy cm ⁴	Wx / Wy cm ³
	1976	43.03 / 43.03	10.73 / 10.73

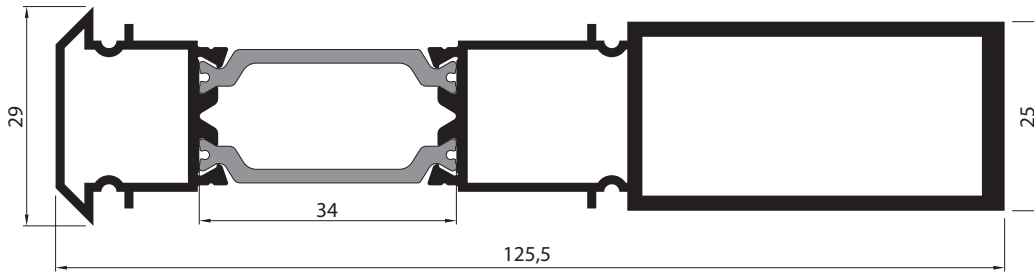


05 0605	Weight (gr/m)	Ix / Iy cm ⁴	Wx / Wy cm ³
	1027	4.05 / 18.15	1.45 / 4.02

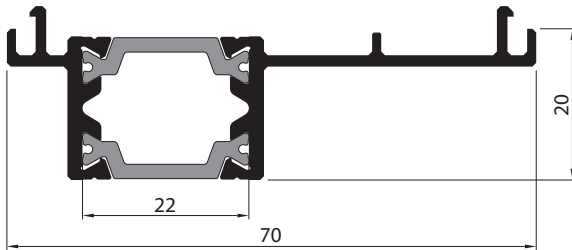


05 0602	Weight (gr/m)	Ix / Iy cm ⁴	Wx / Wy cm ³
	949	1.78 / 19.53	1.23 / 5.06

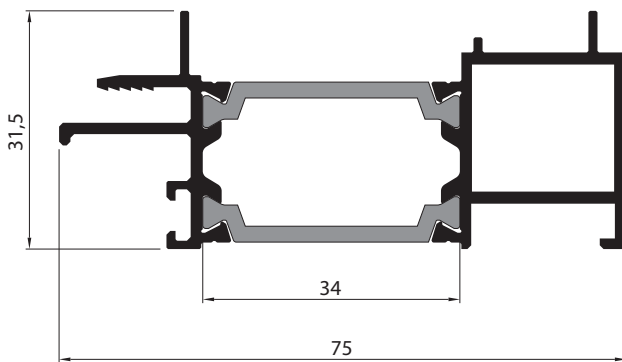
PROFILES



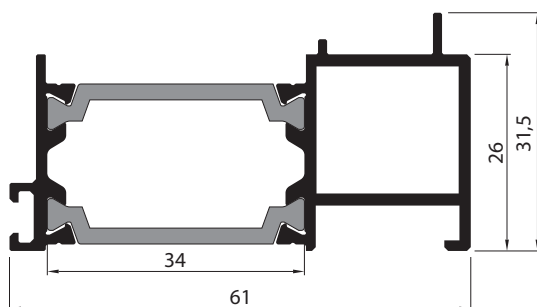
05 0603	Weight (gr/m)
	1609
Ix / Iy cm4	Wx / Wy cm3
4.77 / 93.05	3.29 / 13.25



05 0700	Weight (gr/m)	Ix / Iy cm4	Wx / Wy cm3
	755	0.87 / 9.71	0.64 / 2.4

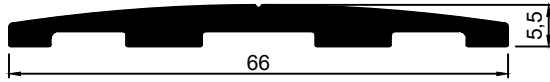


05 0804	Weight (gr/m)	Ix / Iy cm4	Wx / Wy cm3
	1060	2.33 / 19.04	1.37 / 4.52

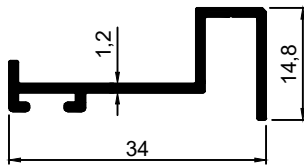



05 0805	Weight (gr/m)	Ix / Iy cm4	Wx / Wy cm3
	900	2.05 / 12.11	1.13 / 3.49

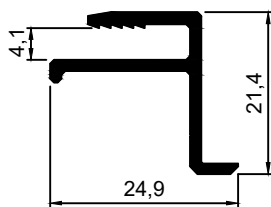
PROFILES



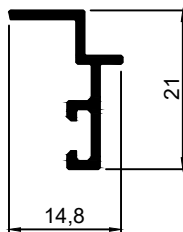
05 1410	Weight gr/m
	646



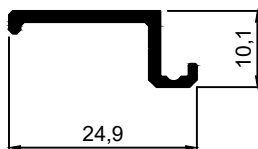
05 1411	Weight gr/m	BRUSHES
	222	 TZ 6;TZ12;TZ 18;



05 0800	Weight gr/m
	246

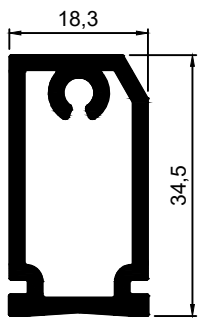
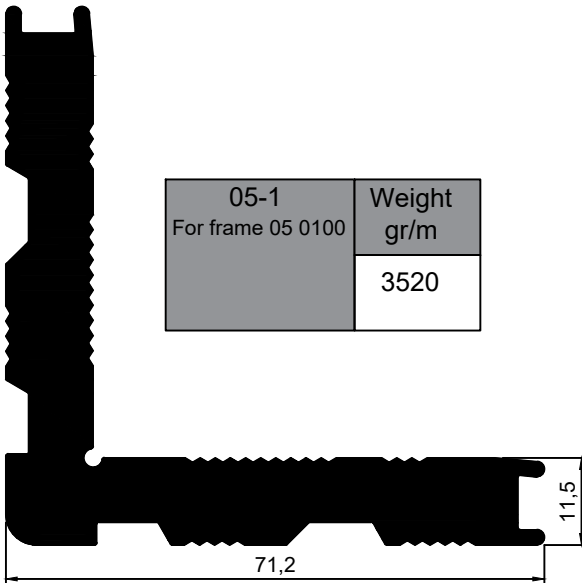


05 0802	Weight gr/m
	136

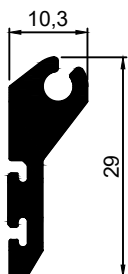


05 0803	Weight gr/m
	141

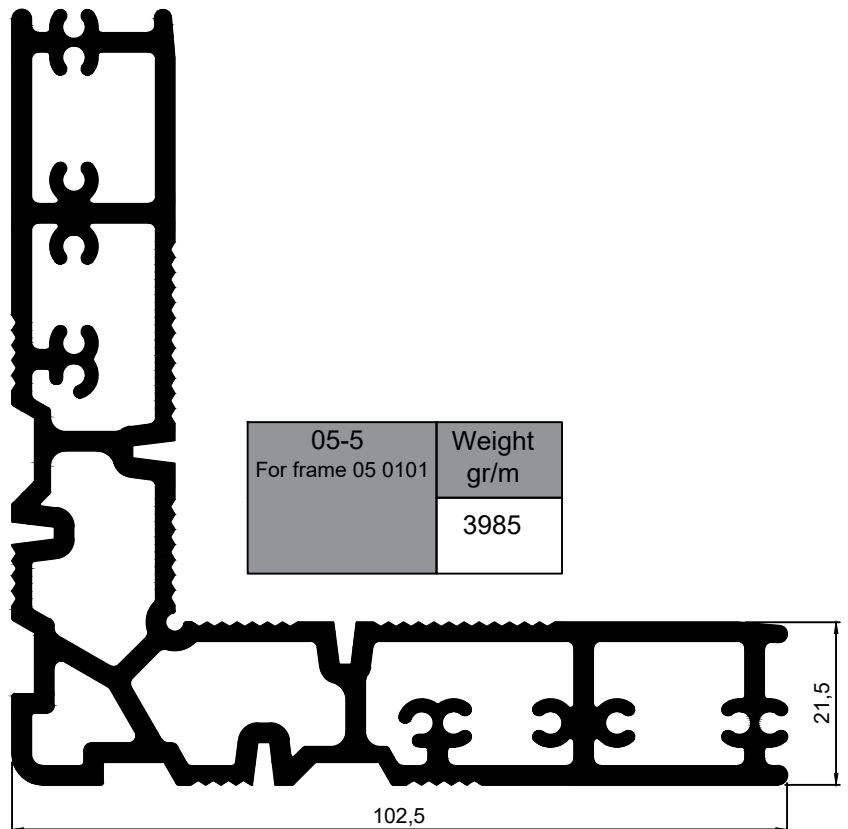
PROFILES



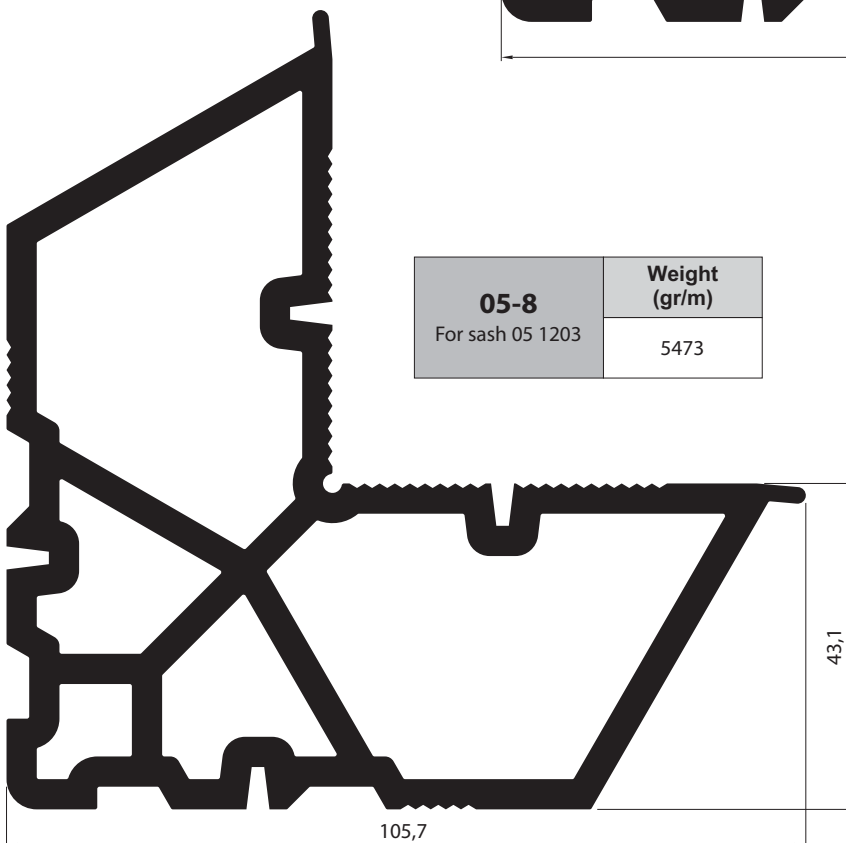
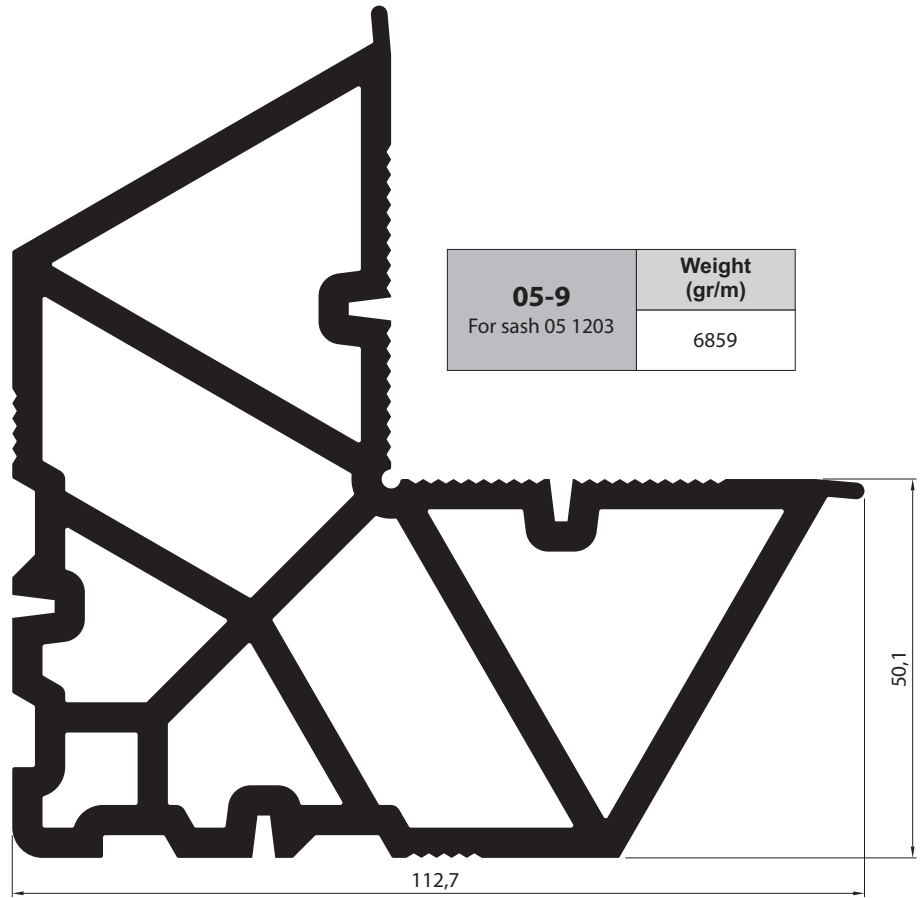
05-3 For "T" profiles: 05 0301 05 0302 05 0303	Weight gr/m
	634



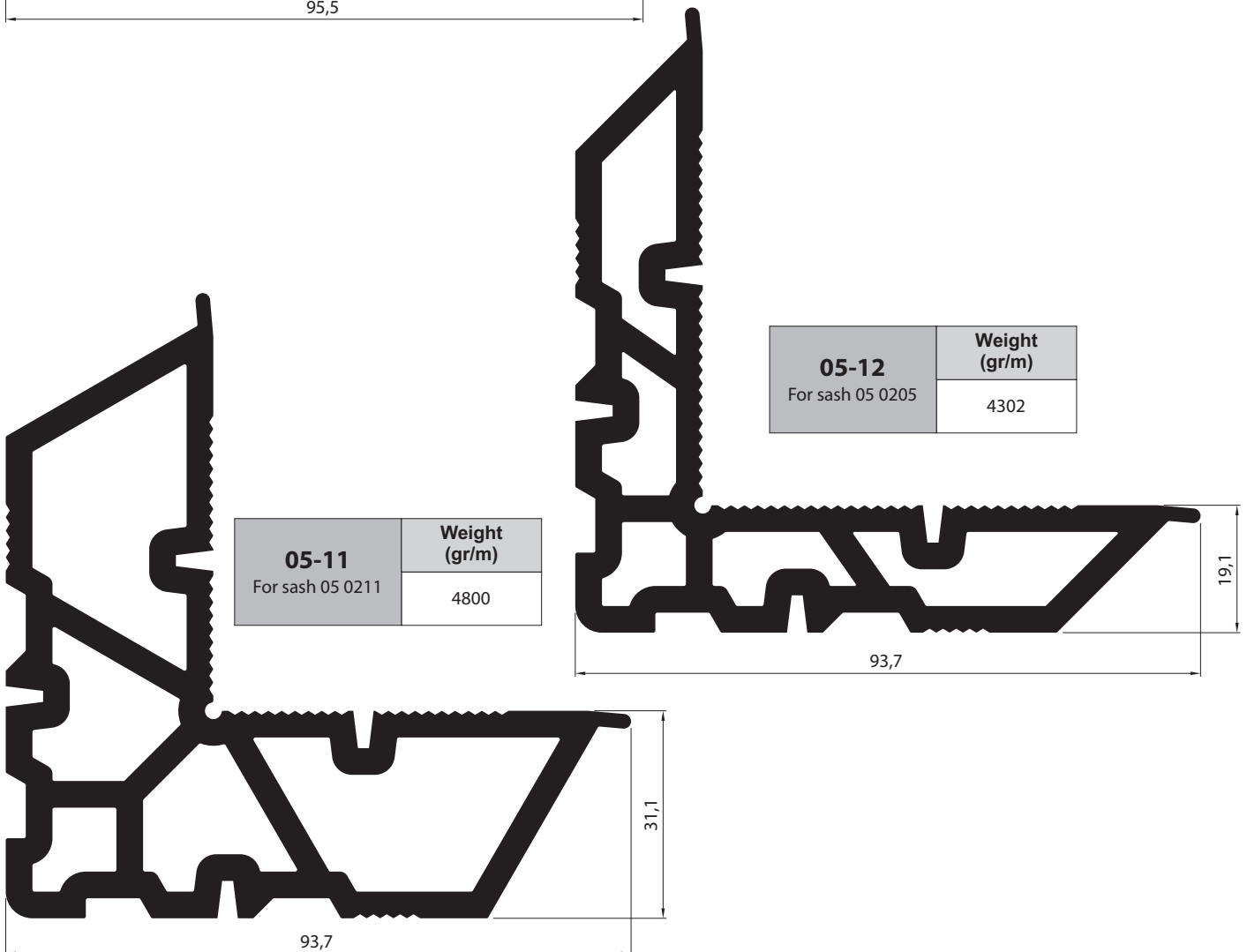
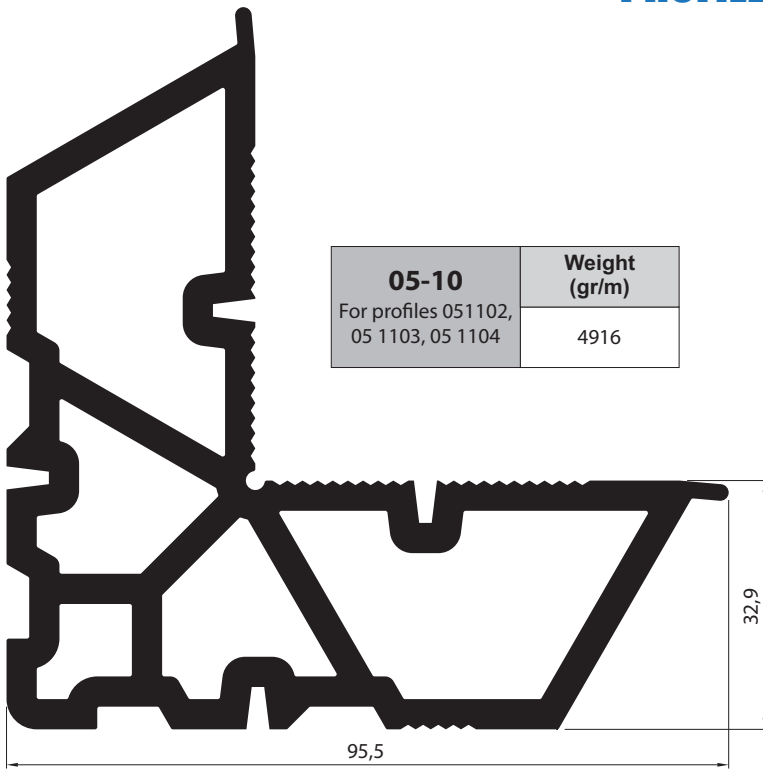
05-4 For "T" profiles: 05 0301,05 0302 05 0303,05 0309	Weight gr/m
	379



PROFILES



PROFILES



WINDOWS

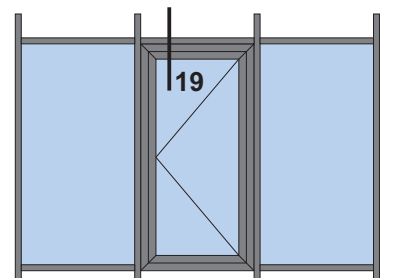
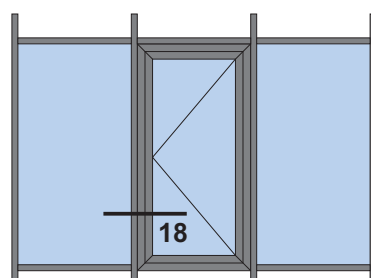
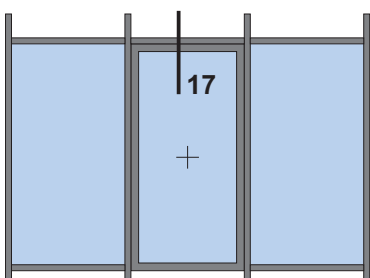
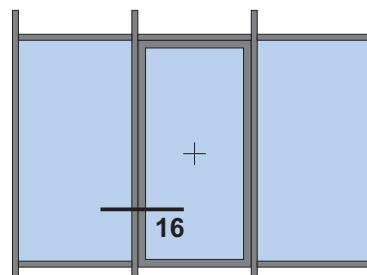
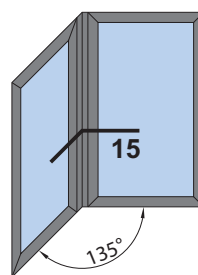
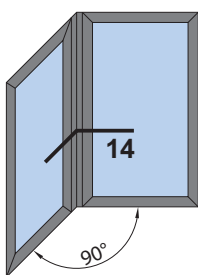
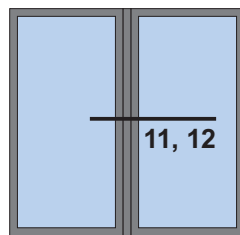
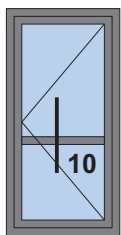
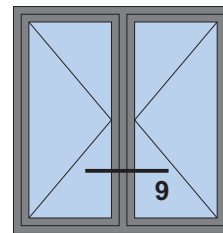
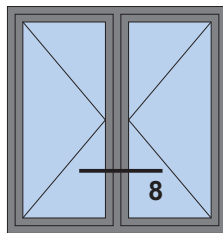
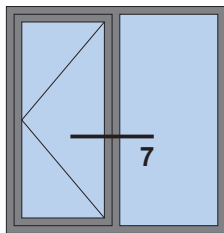
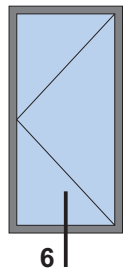
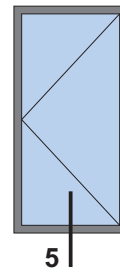
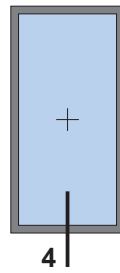
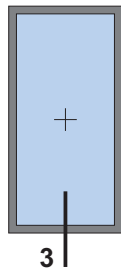
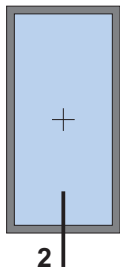
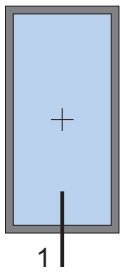
ASPECT SECTIONS

WINDOWS SECTIONS

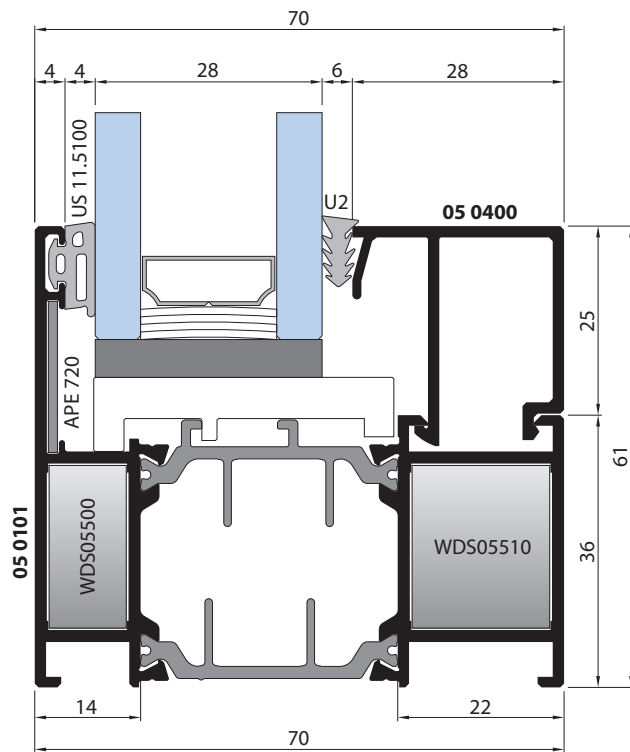
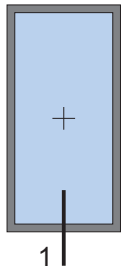
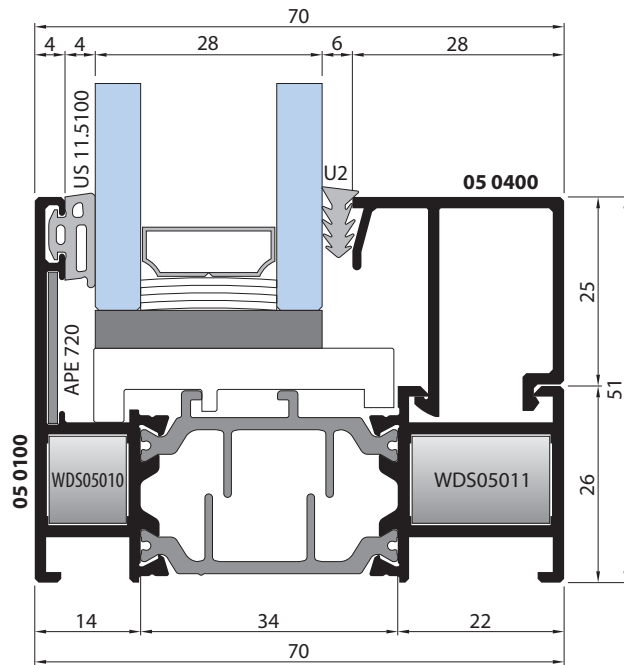
SECTIONS WITH BOND DETAILS

GLAZING OPTIONS

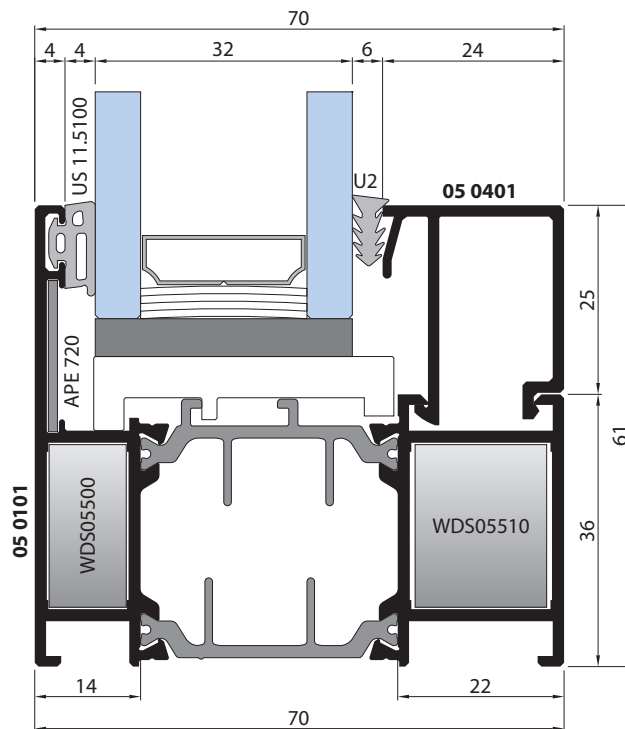
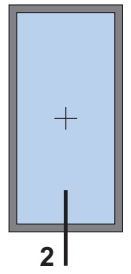
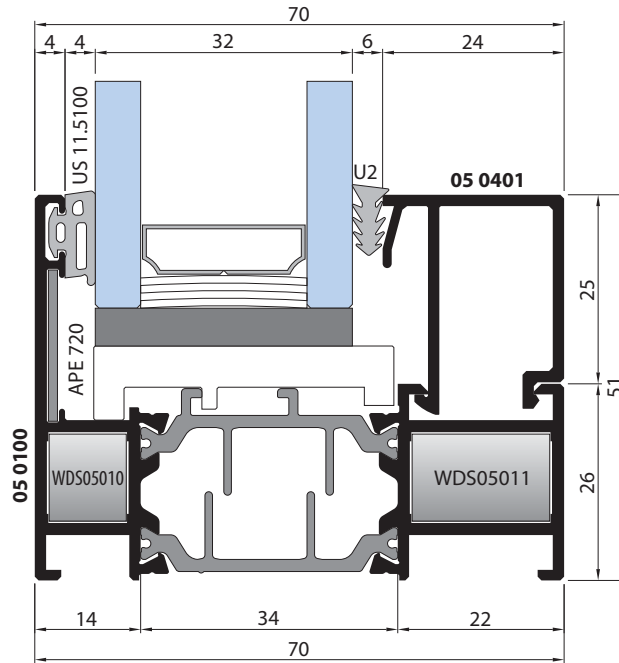
ASPECT SECTIONS



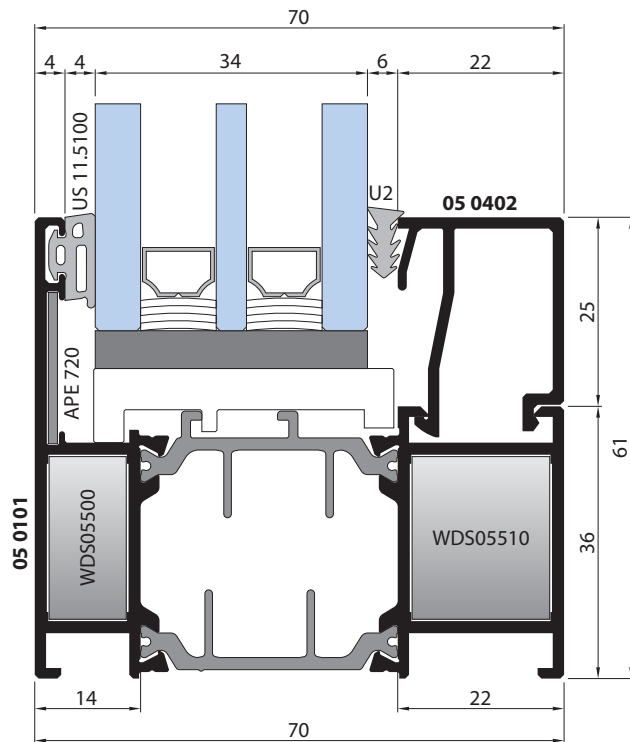
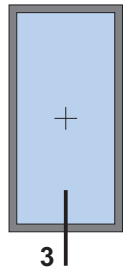
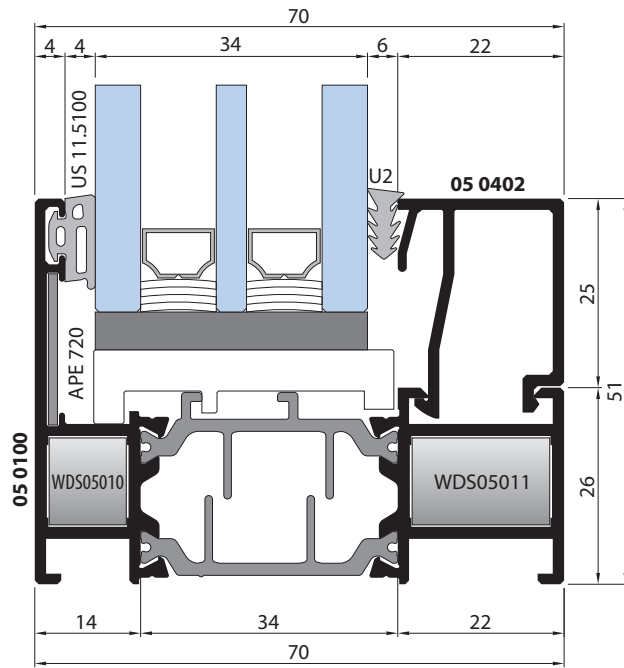
WINDOWS SECTIONS



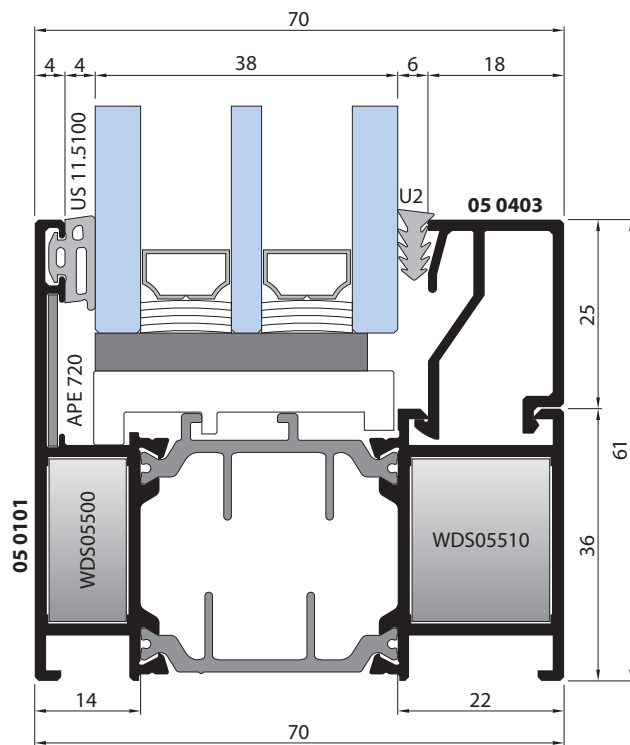
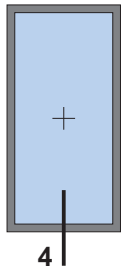
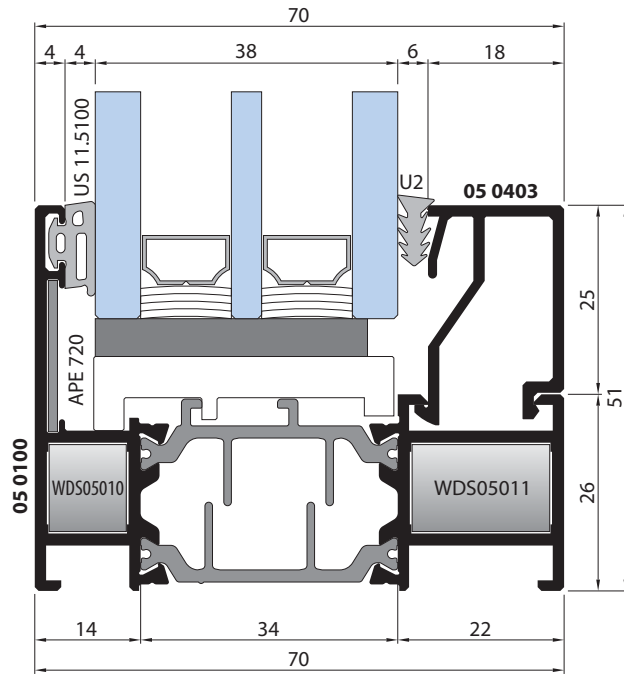
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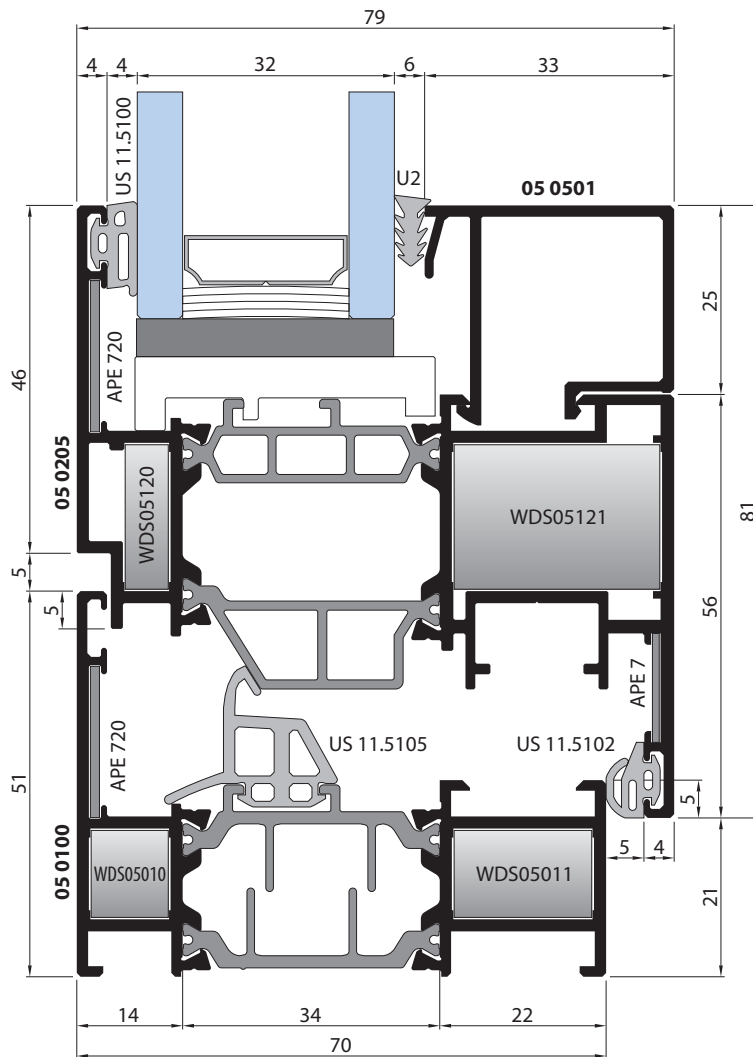
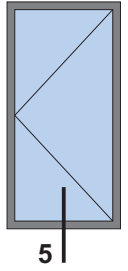
WINDOWS SECTIONS



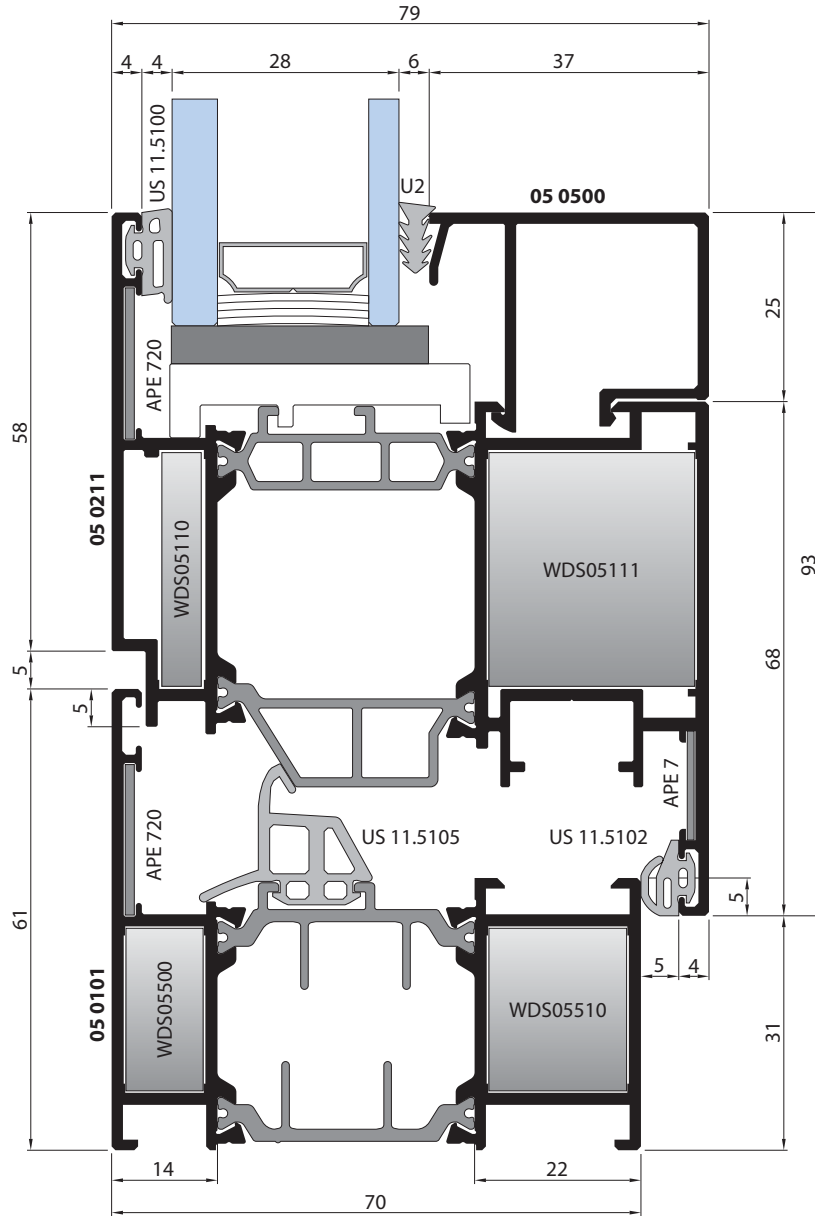
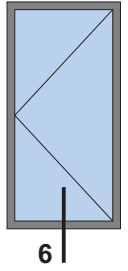
WINDOWS SECTIONS



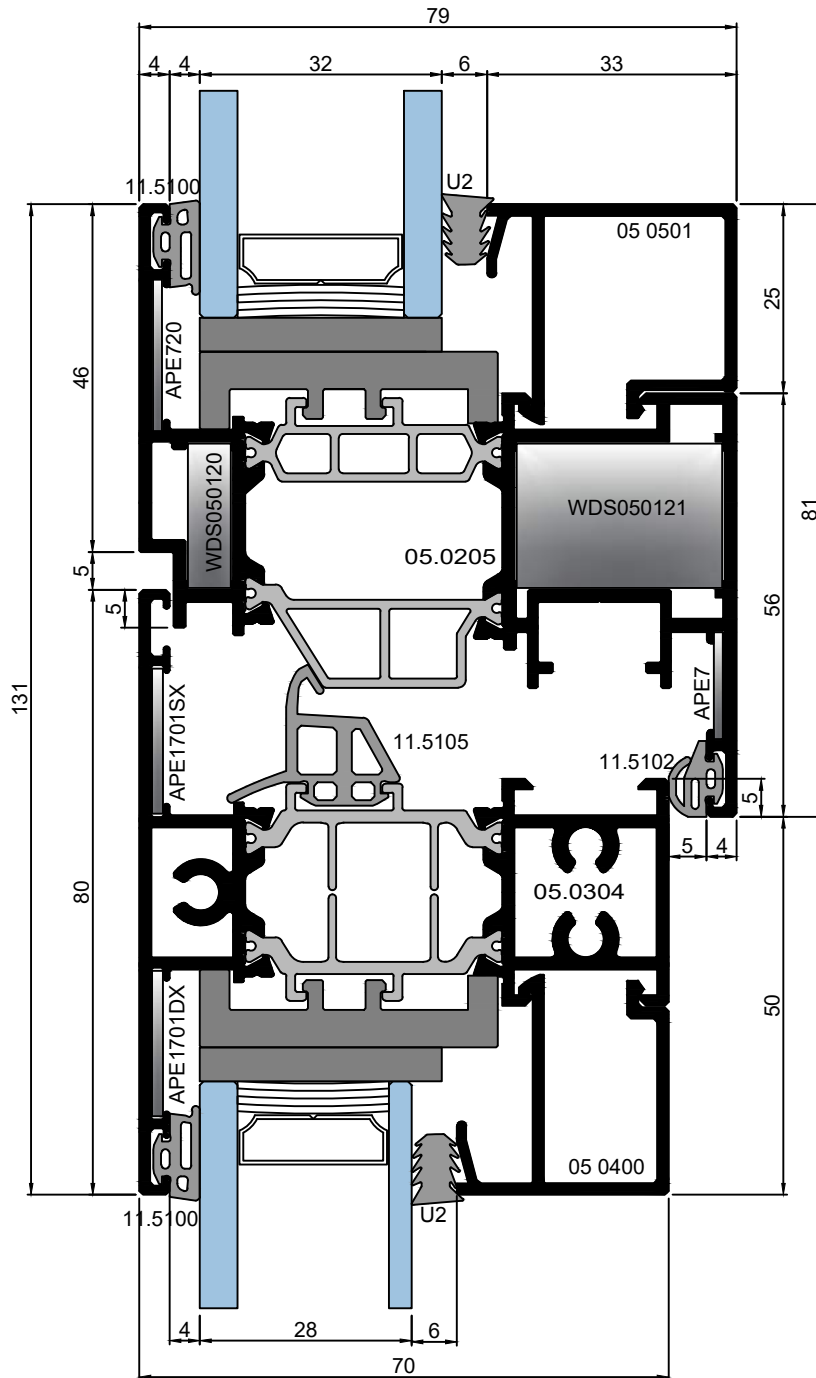
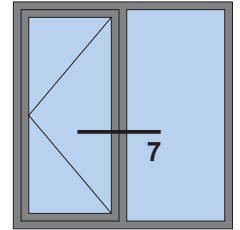
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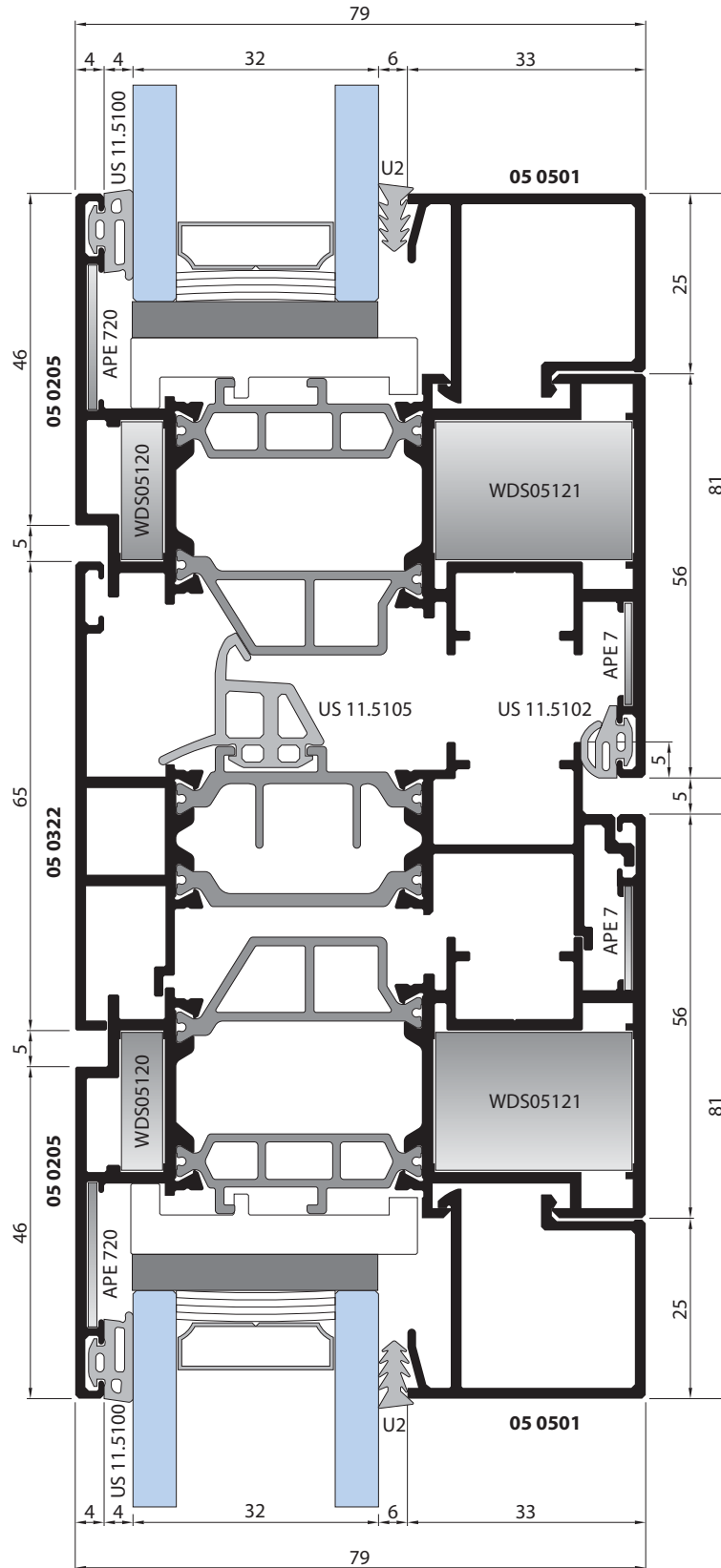
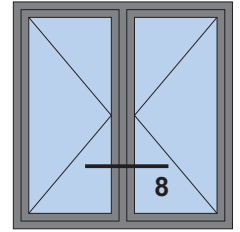
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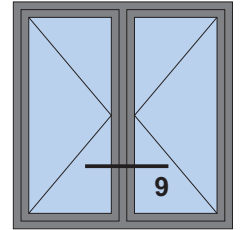
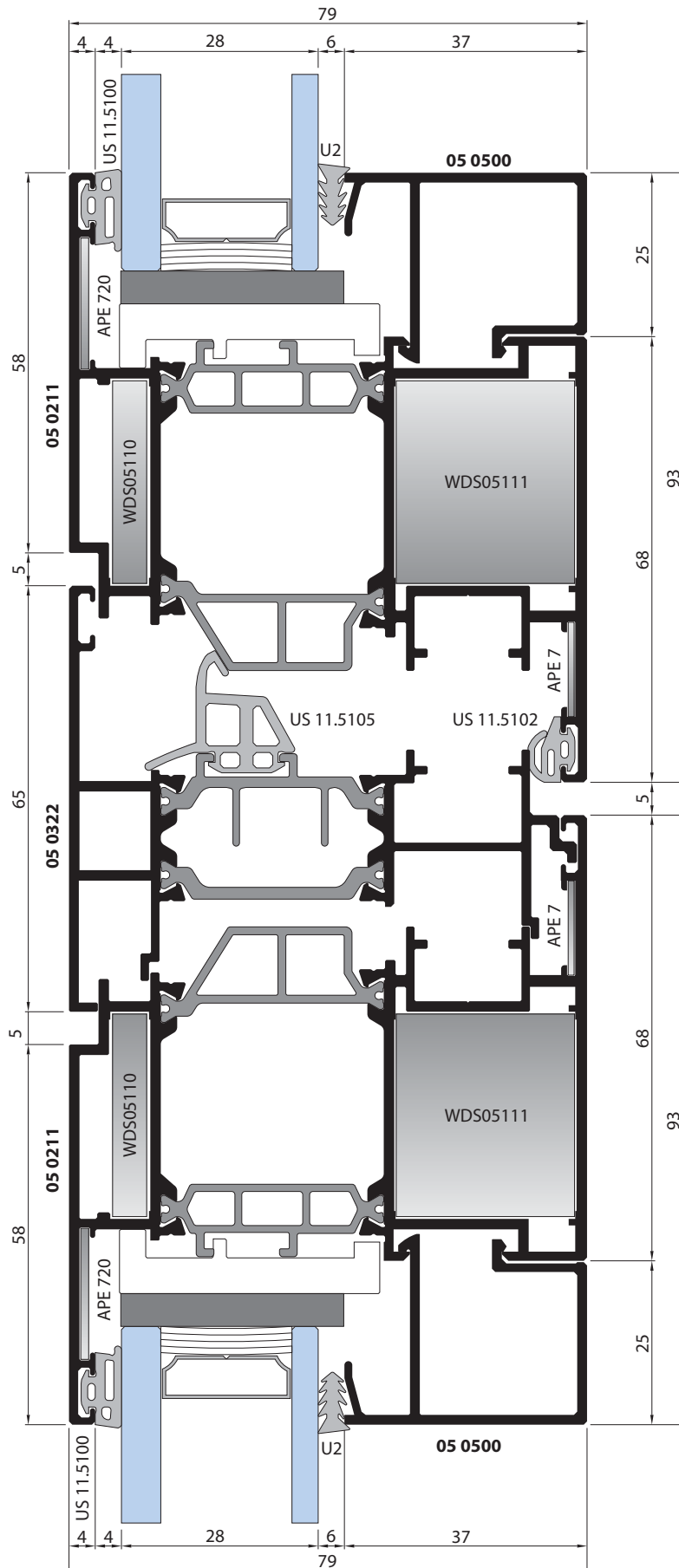
WINDOWS SECTIONS



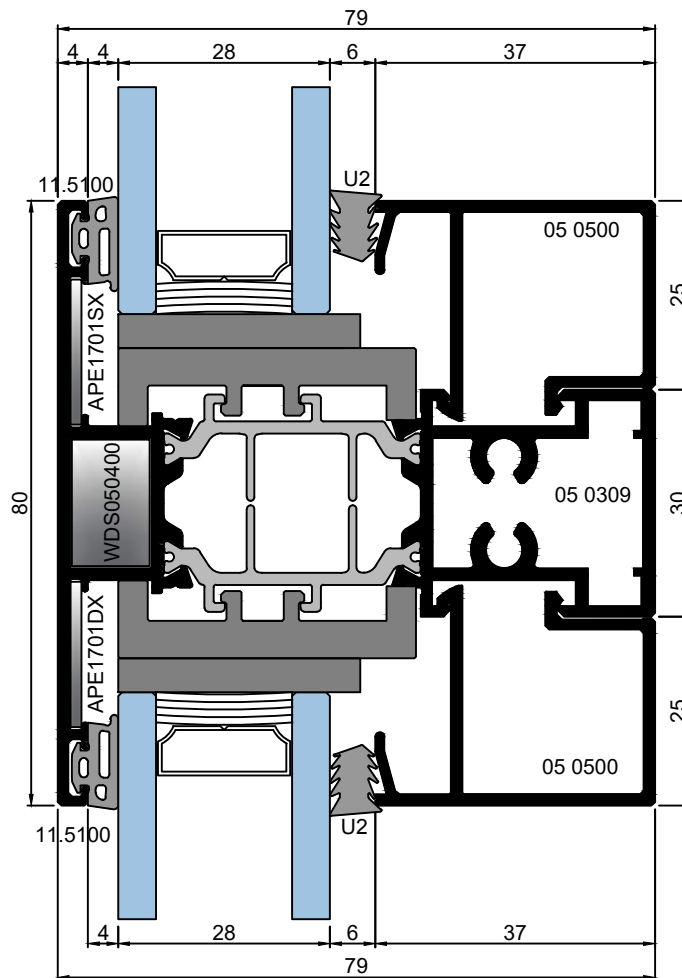
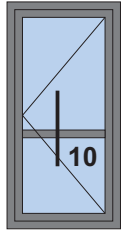
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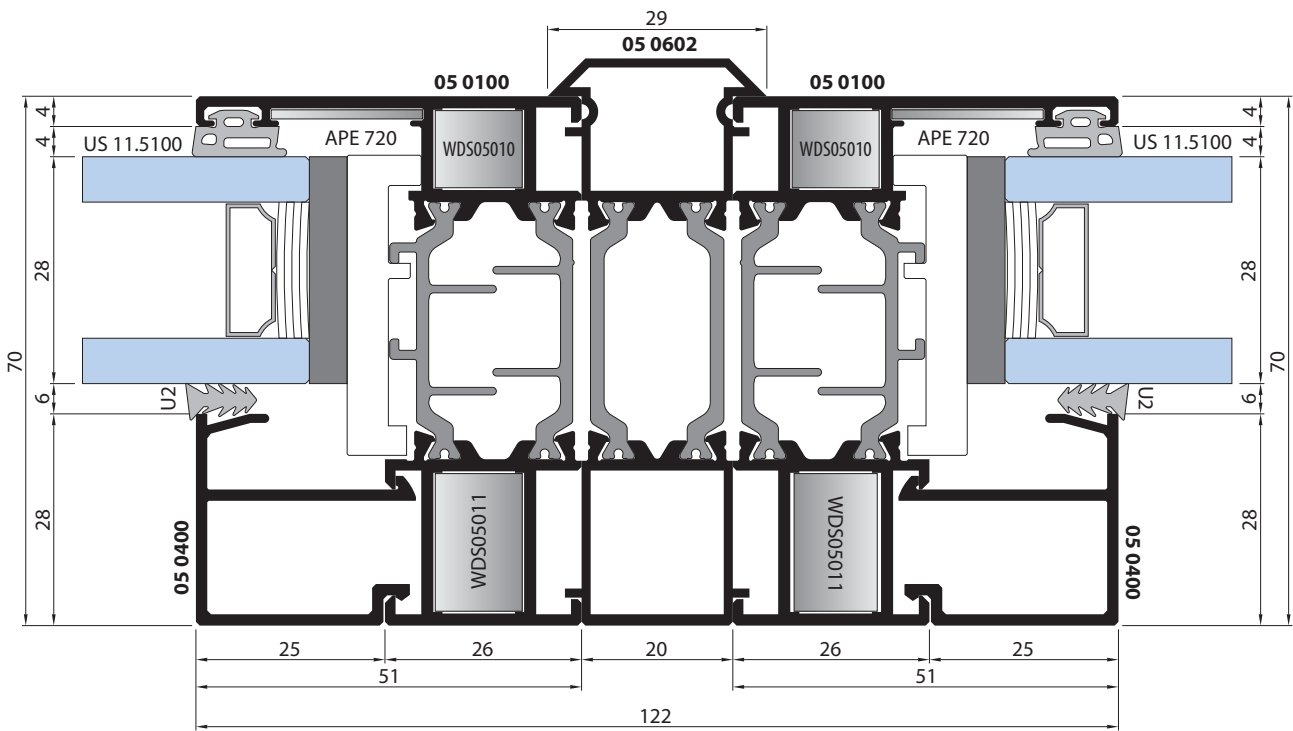
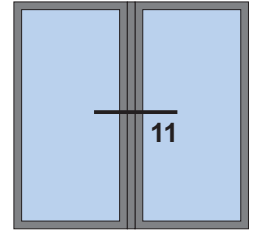
WINDOWS SECTIONS



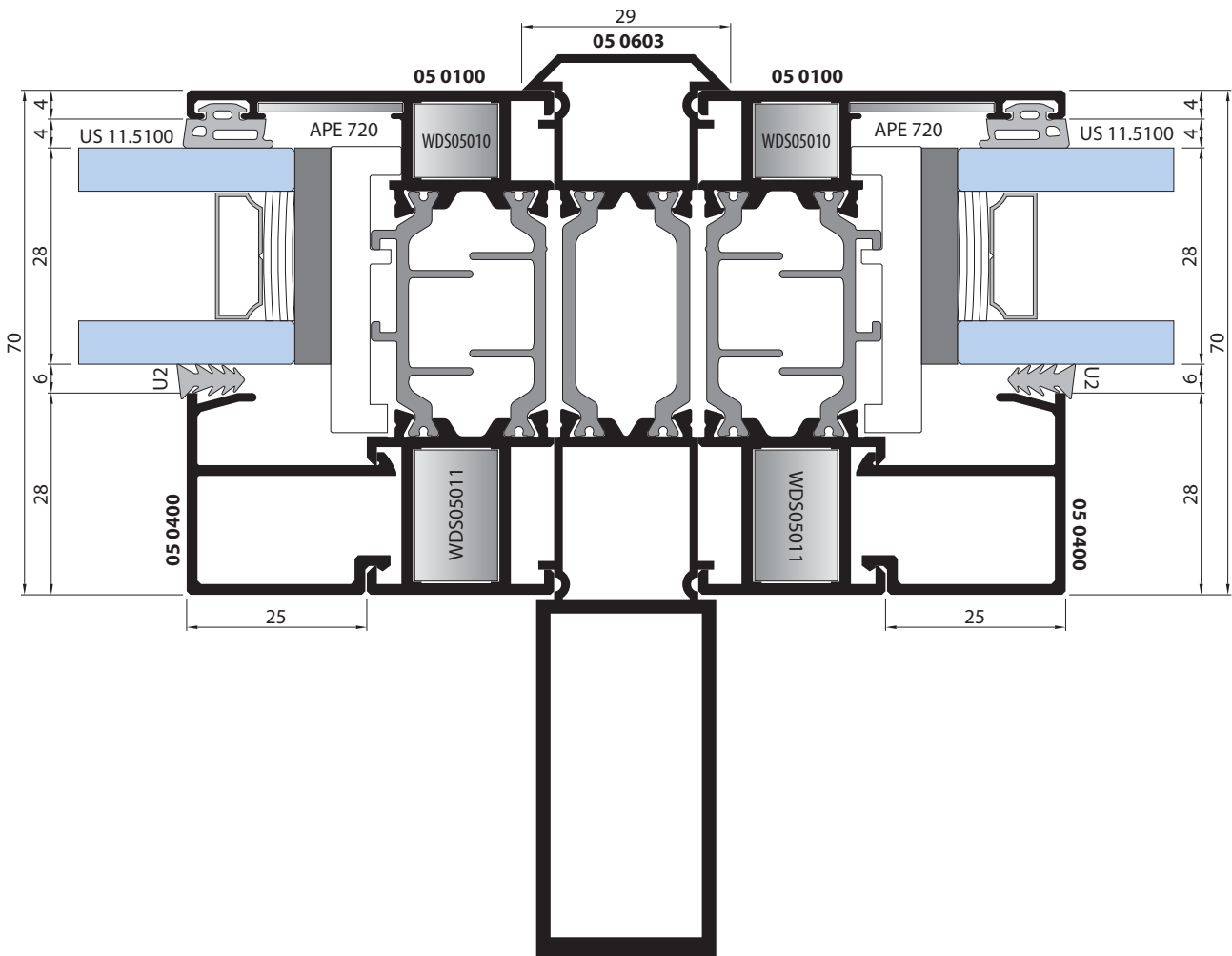
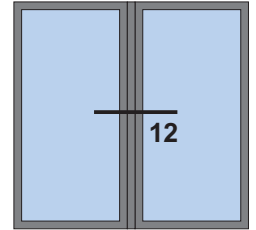
WINDOWS SECTIONS



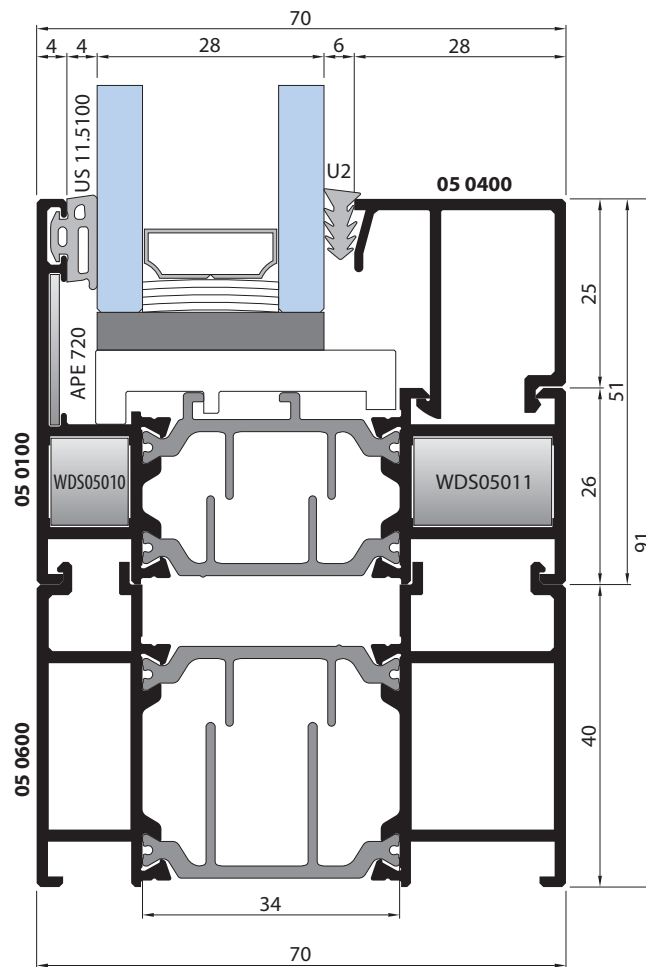
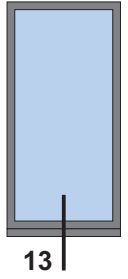
WINDOWS SECTIONS



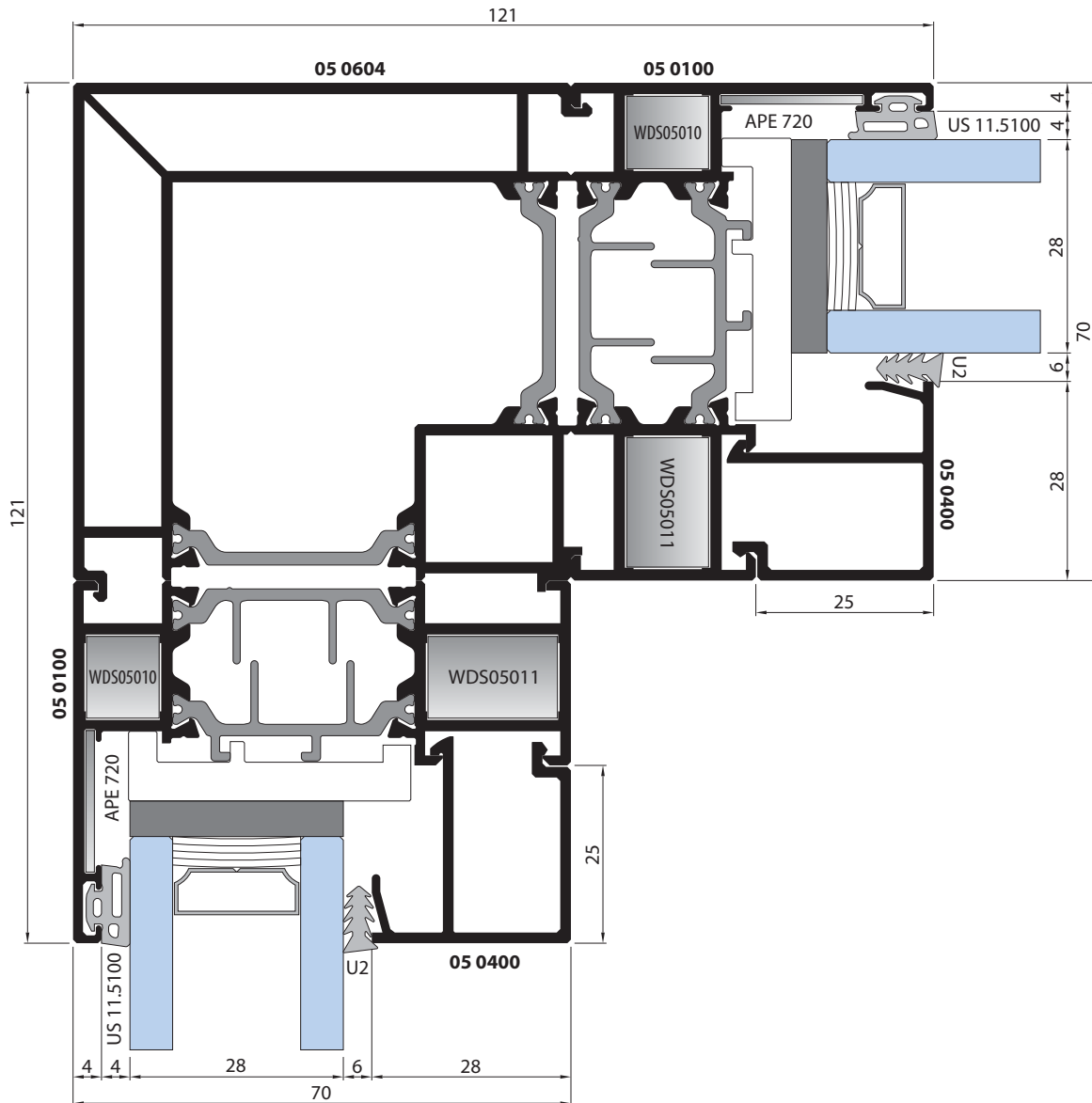
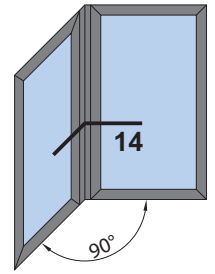
WINDOWS SECTIONS



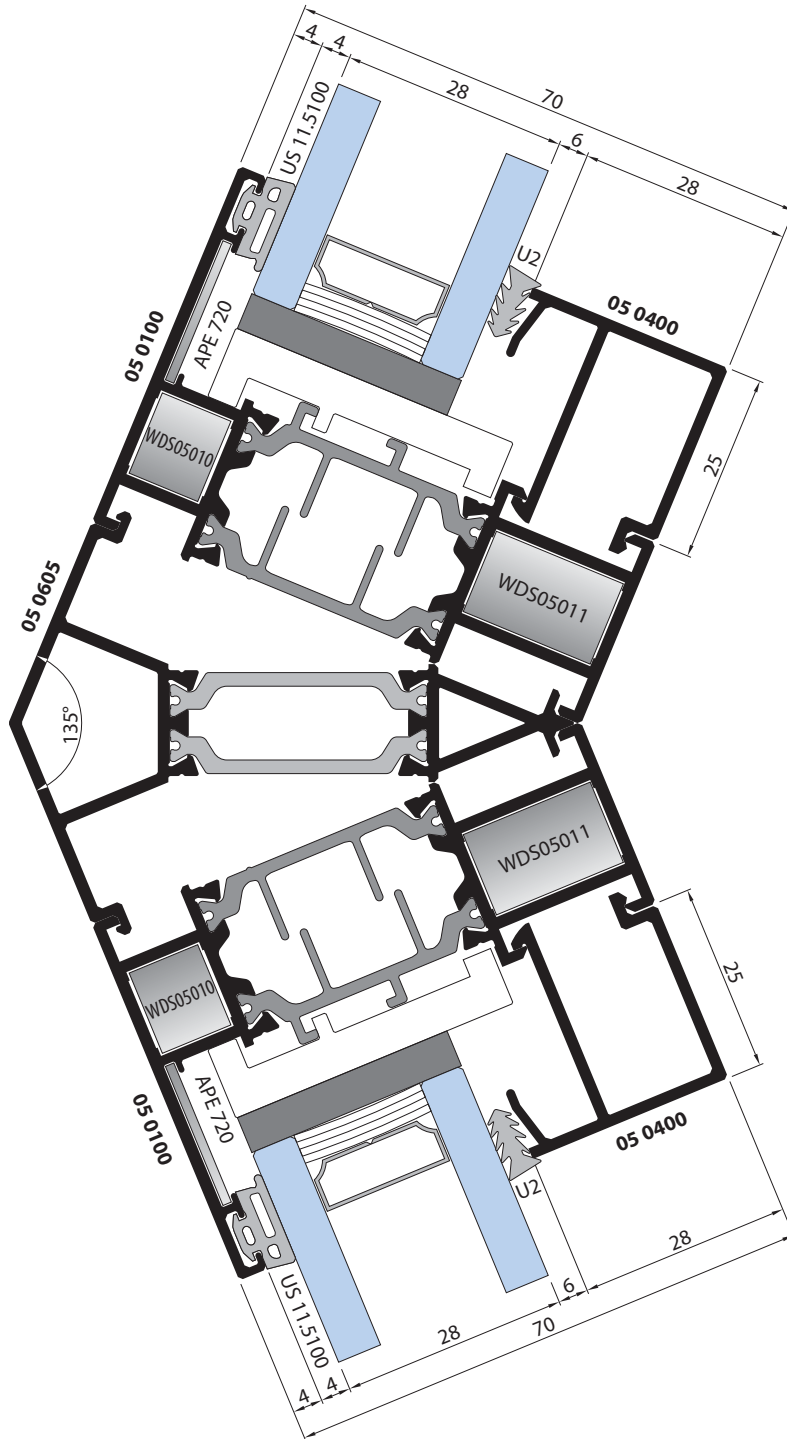
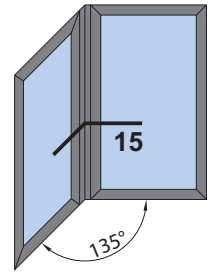
WINDOWS SECTIONS



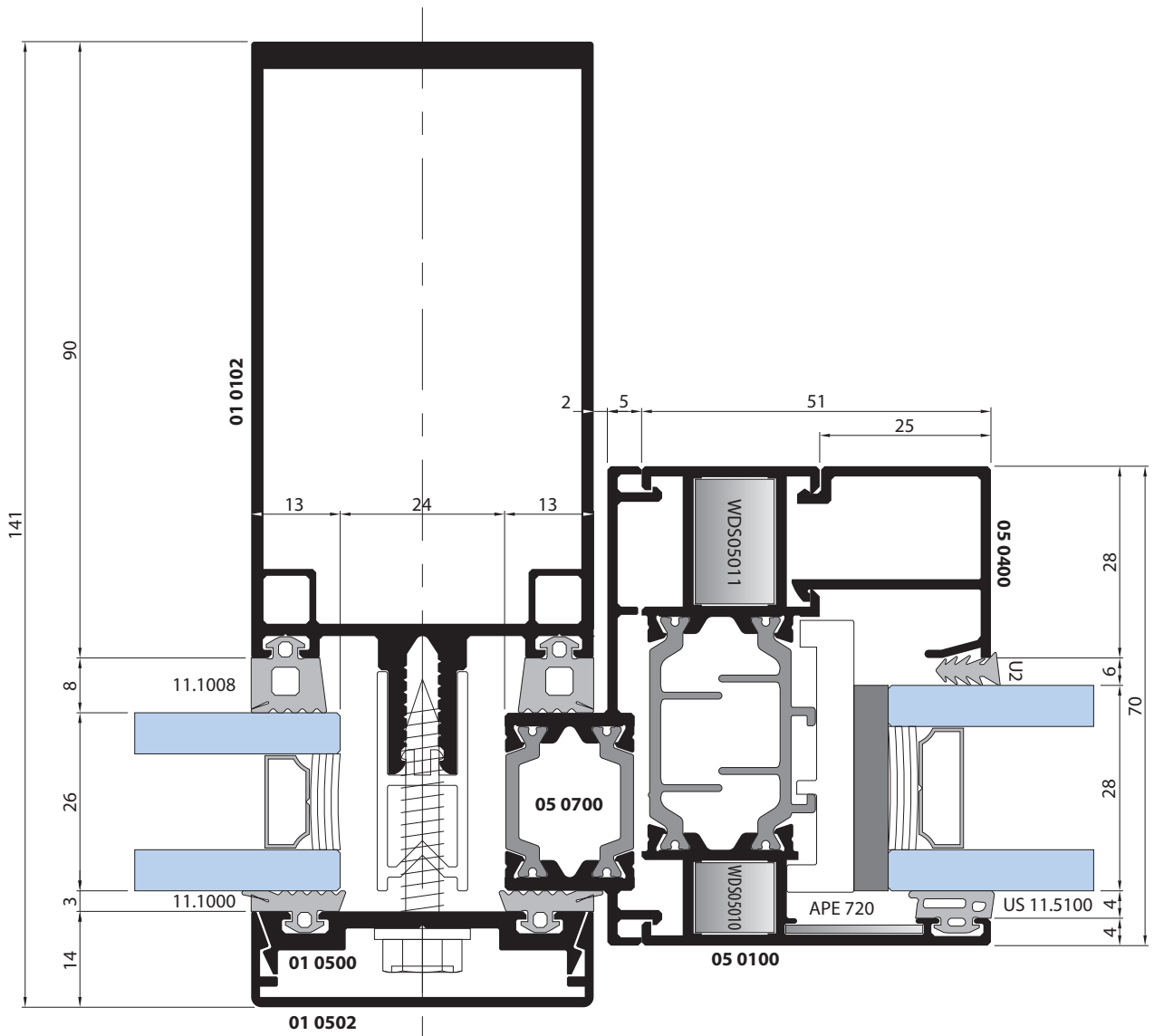
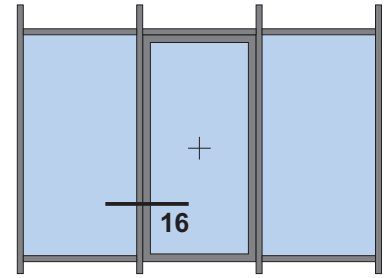
WINDOWS SECTIONS



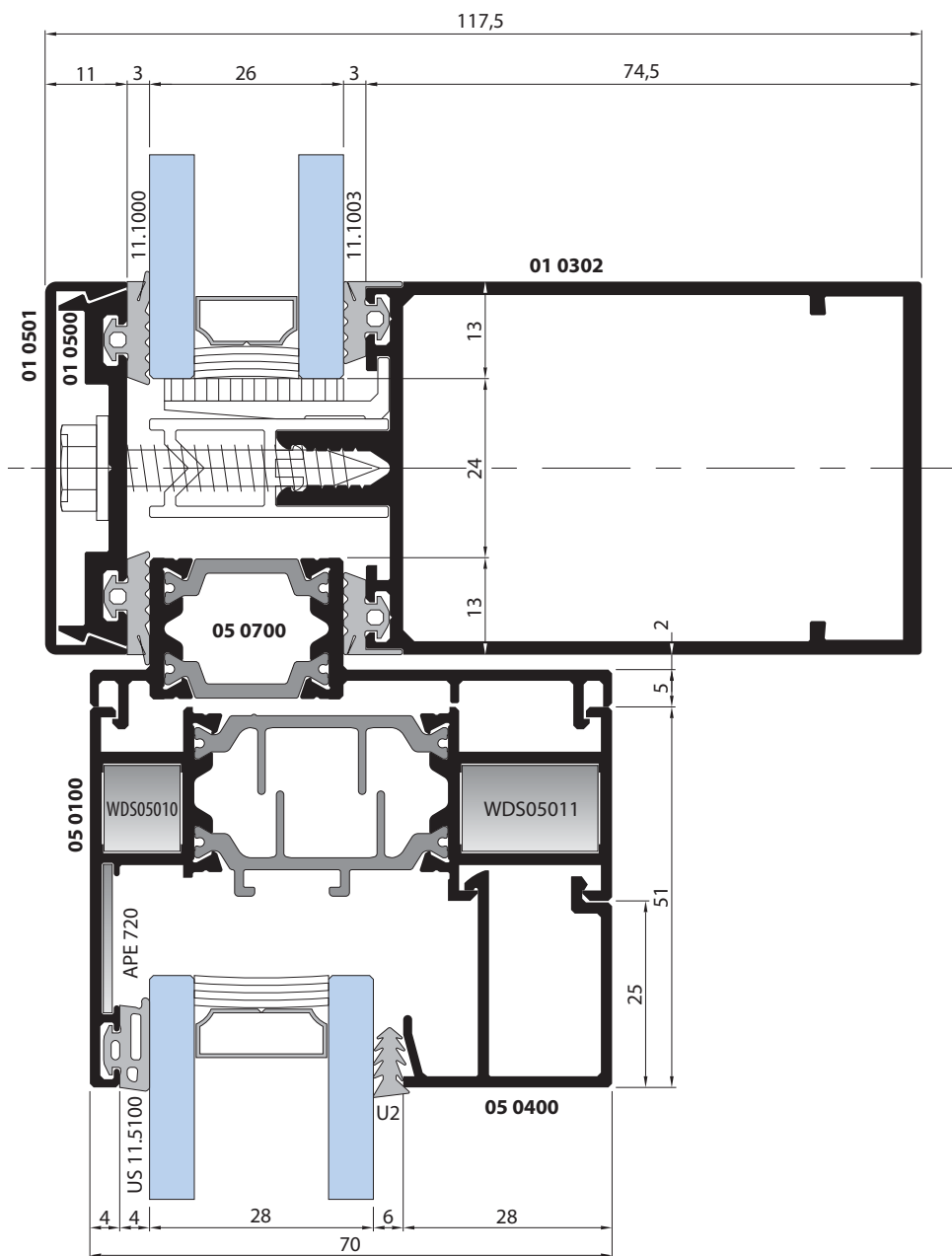
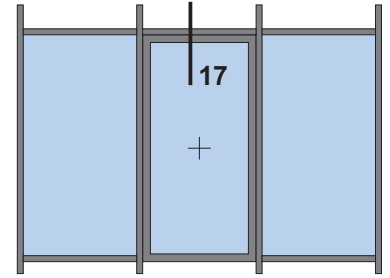
WINDOWS SECTIONS



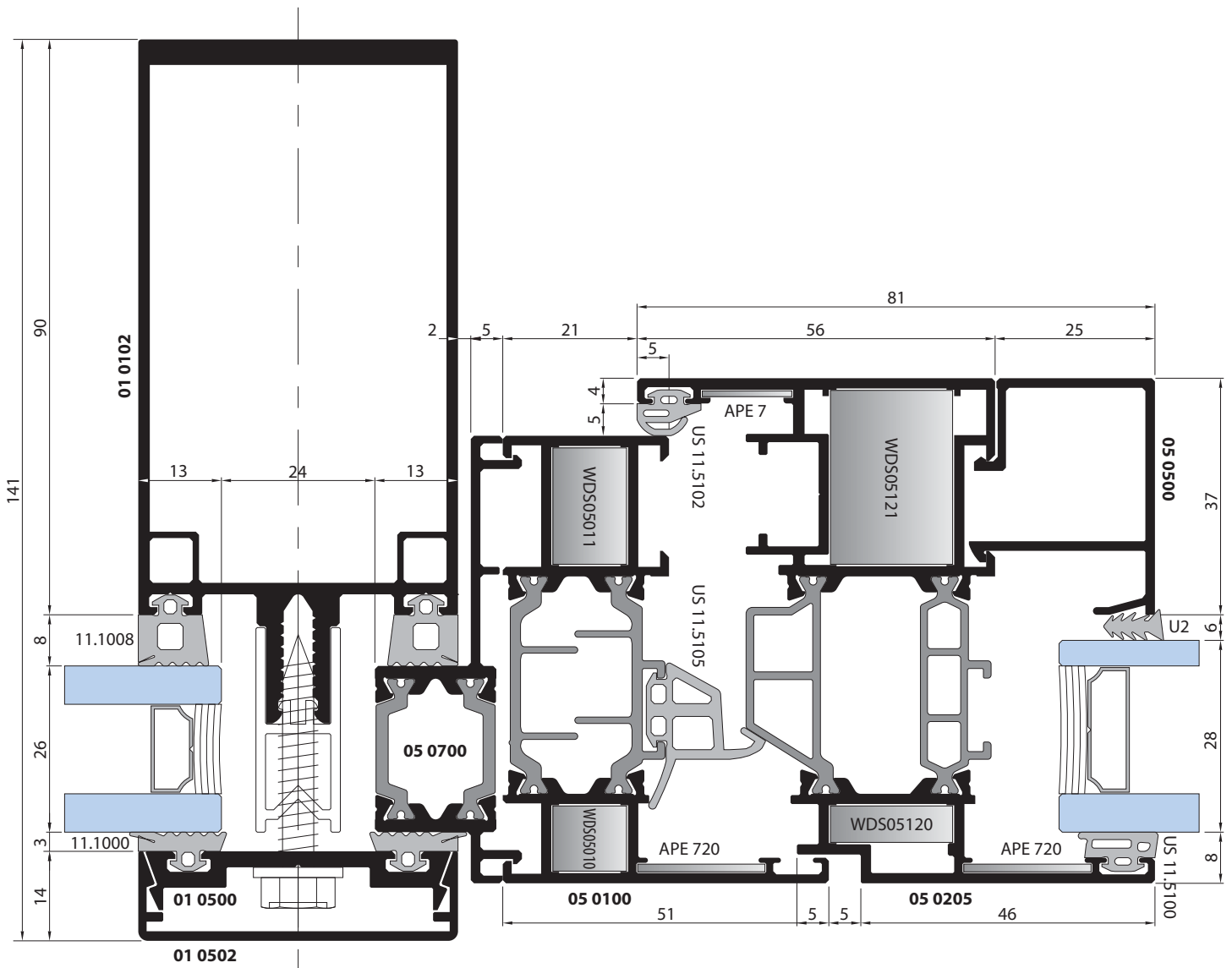
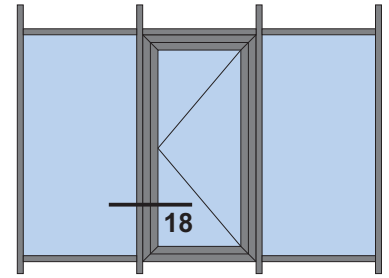
WINDOWS SECTIONS



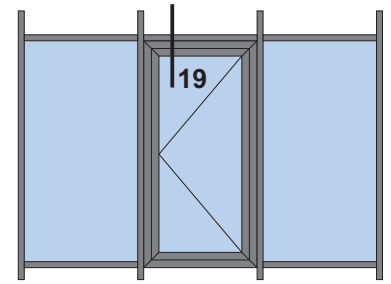
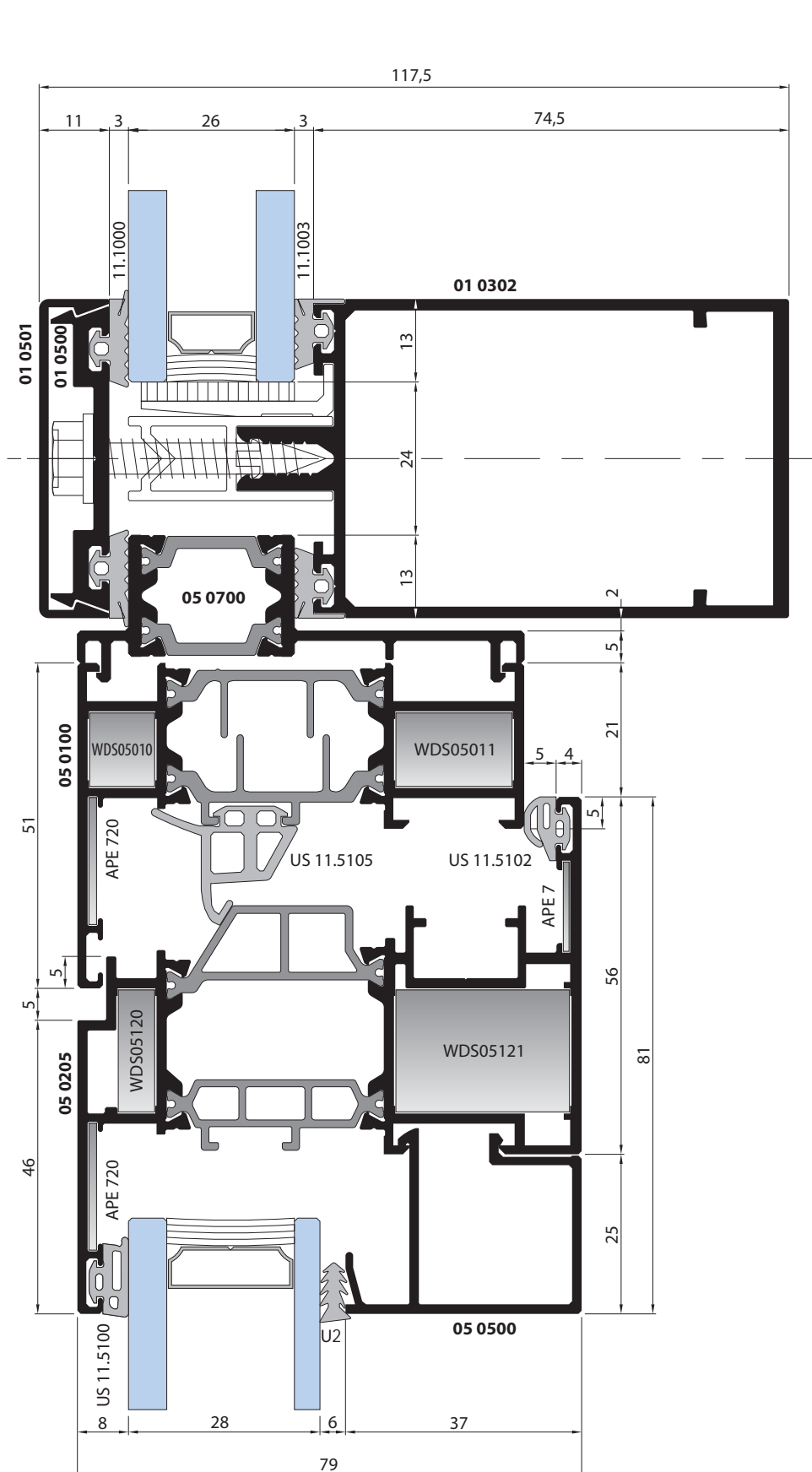
WINDOWS SECTIONS



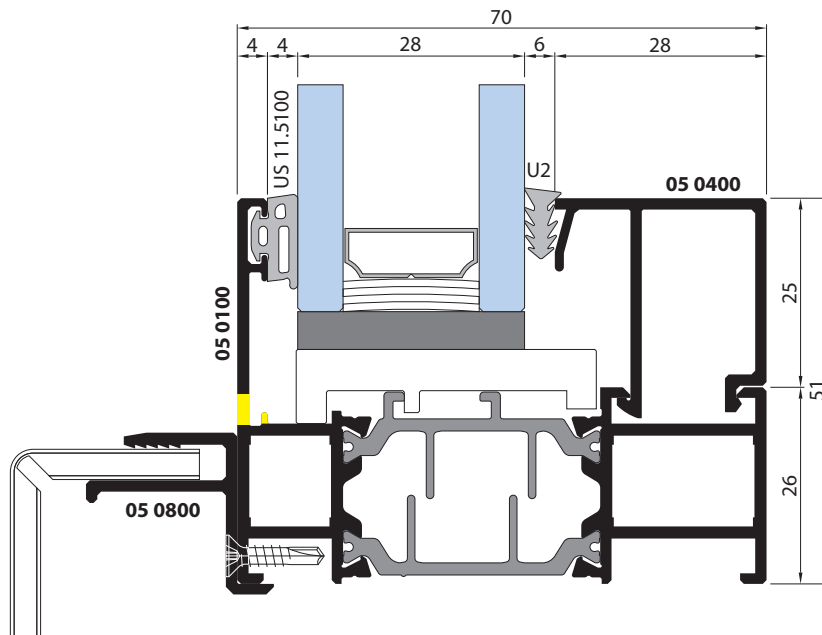
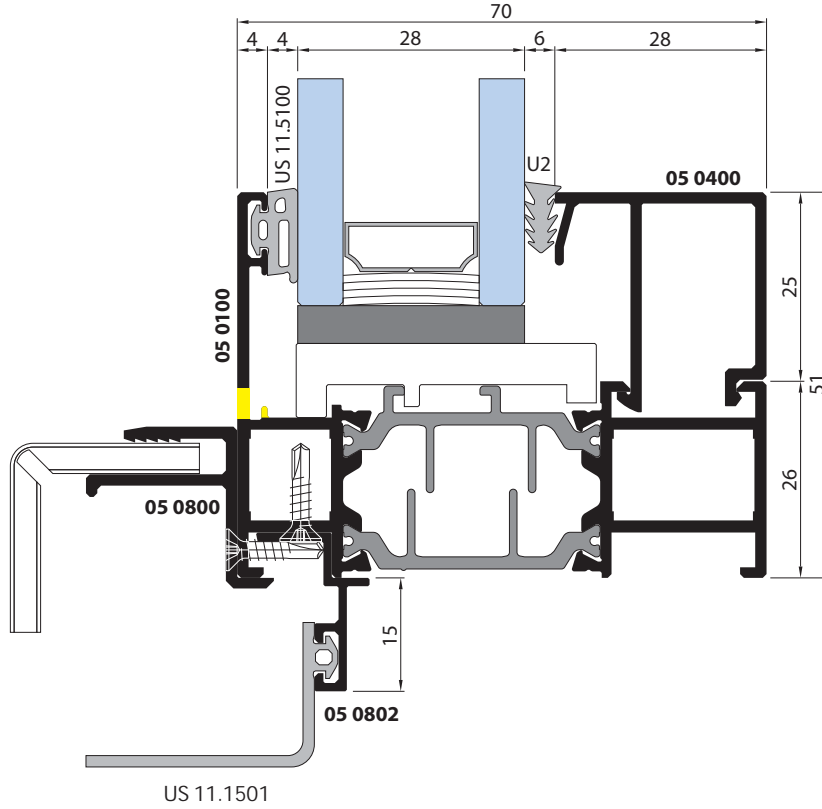
WINDOWS SECTIONS



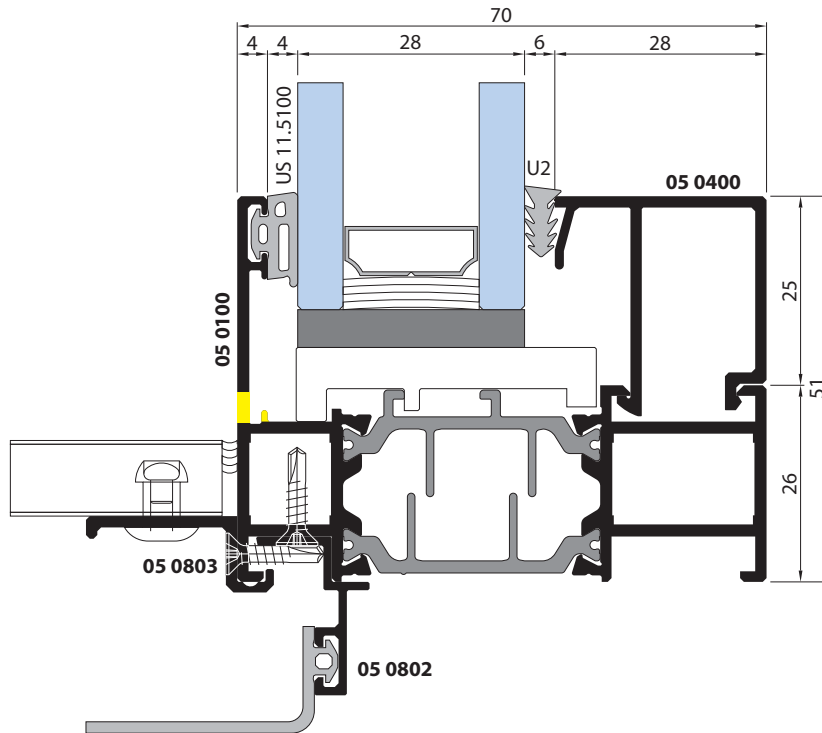
WINDOWS SECTIONS



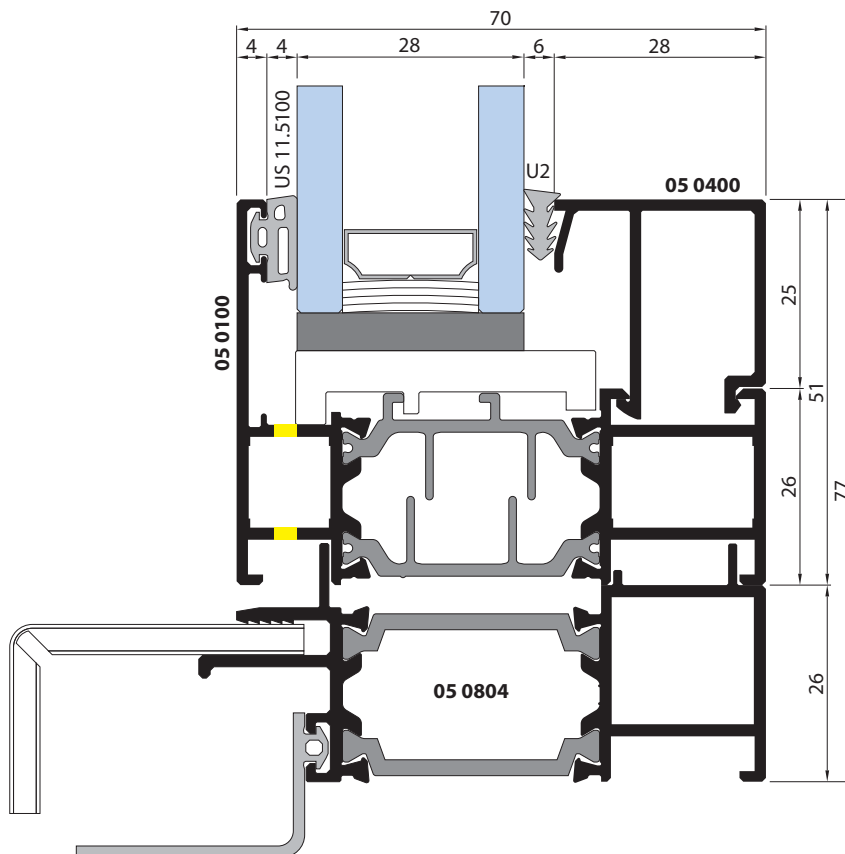
SECTIONS WITH BOND DETAILS



SECTIONS WITH BOND DETAILS

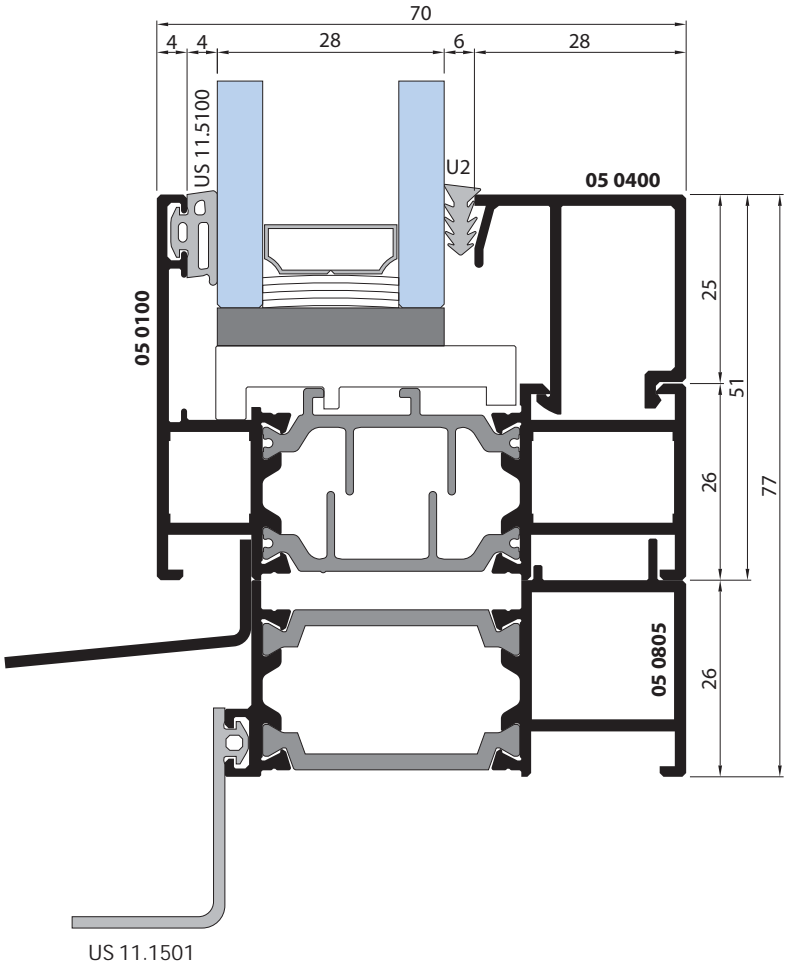


US 11.1501

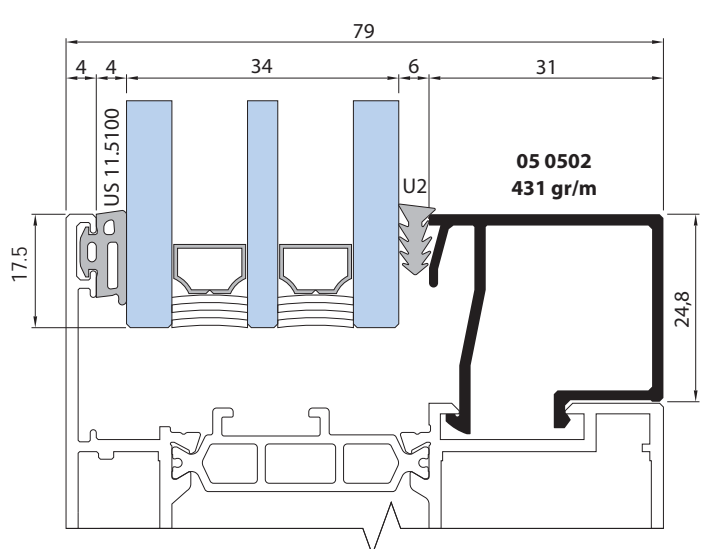
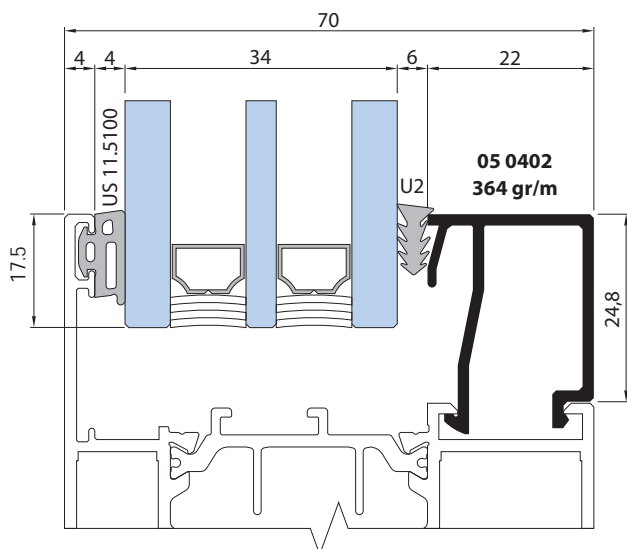
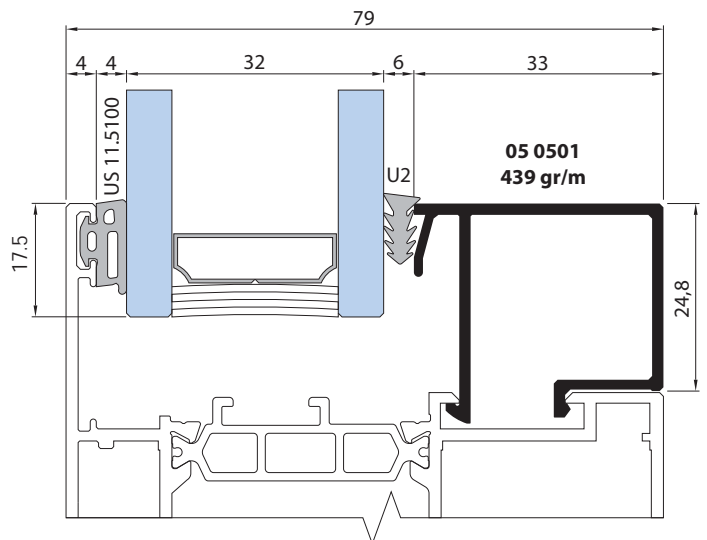
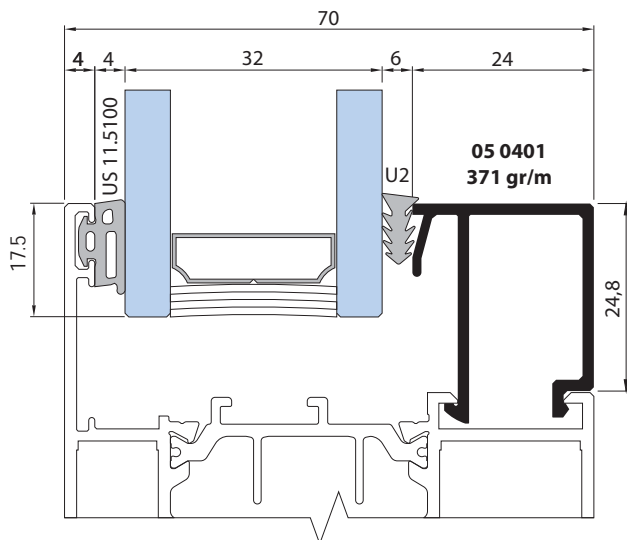
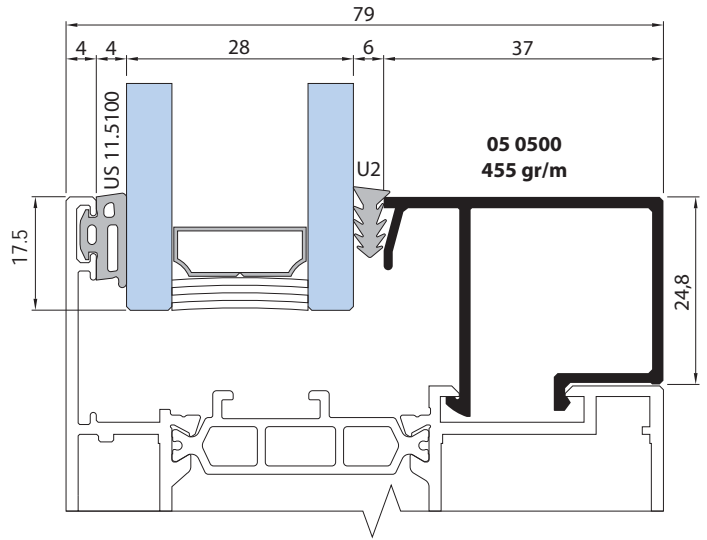
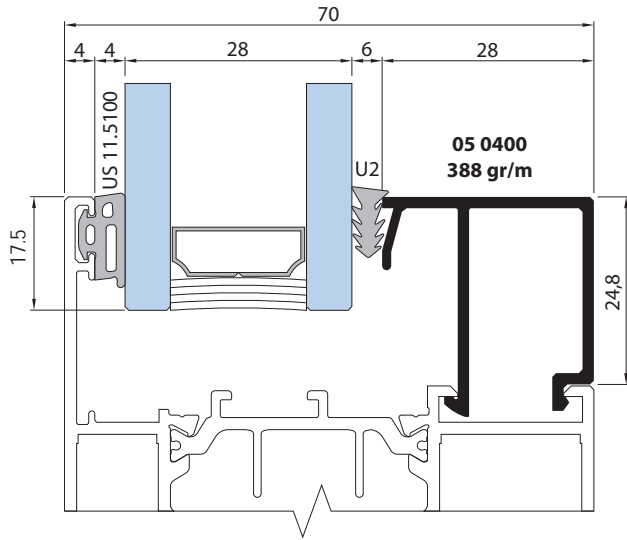


US 11.1501

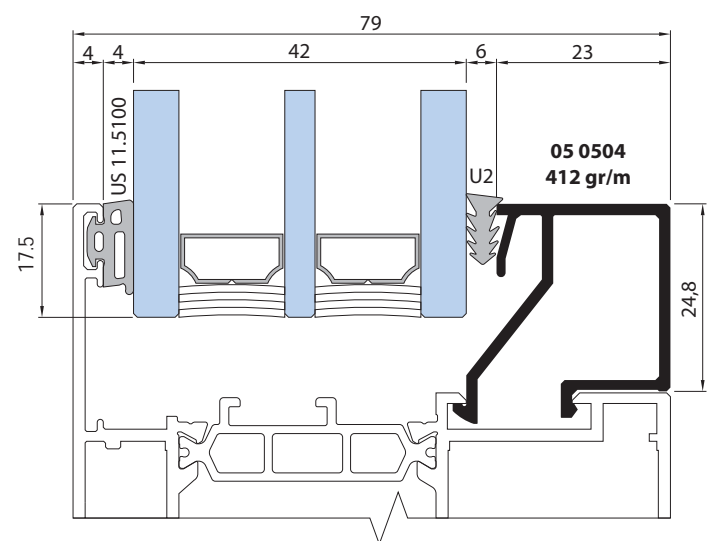
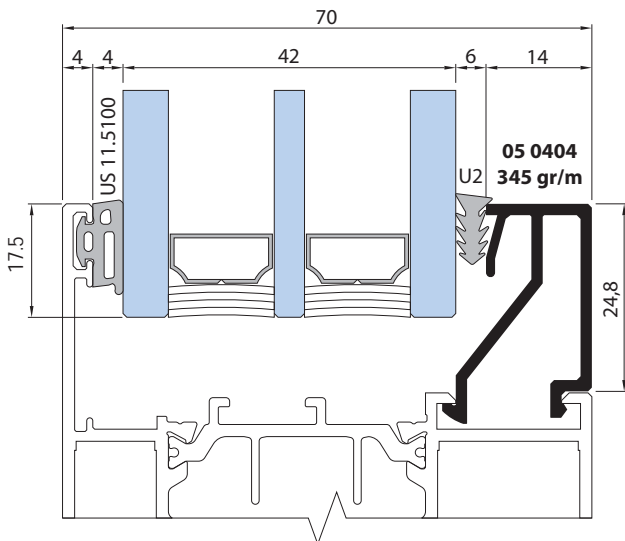
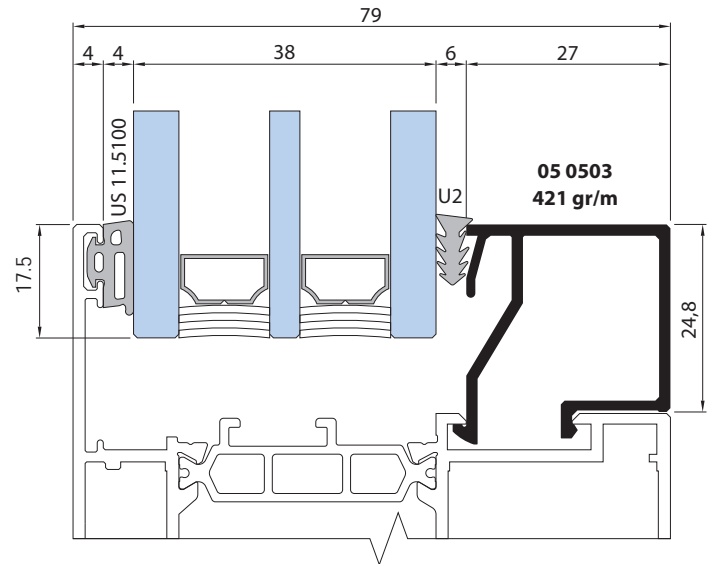
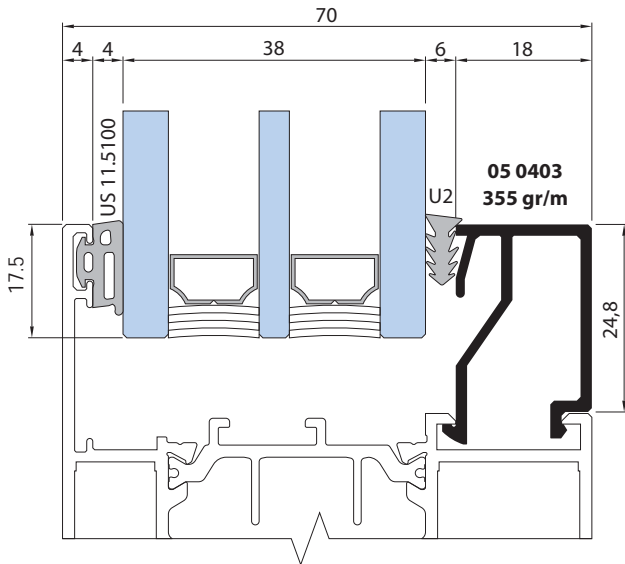
SECTIONS WITH BOND DETAILS



GLAZING OPTIONS



GLAZING OPTIONS



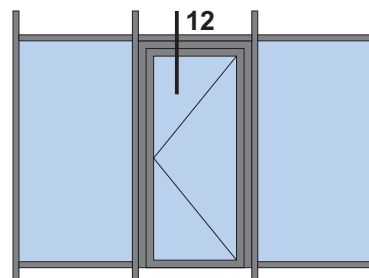
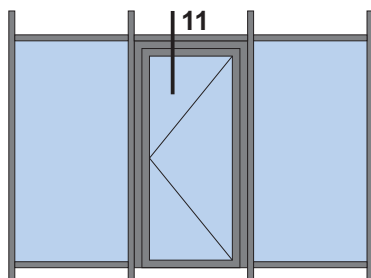
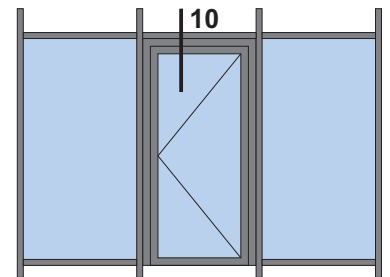
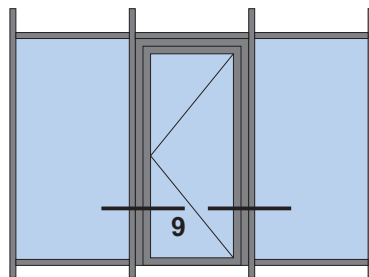
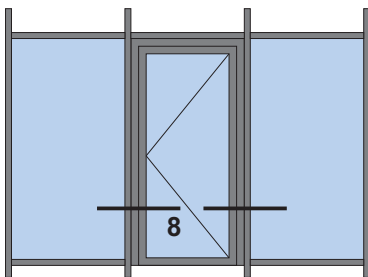
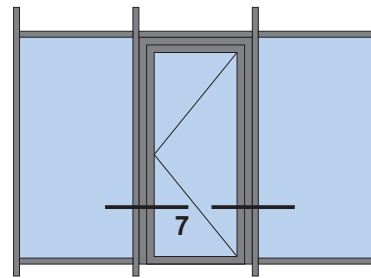
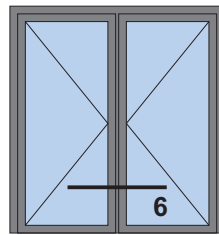
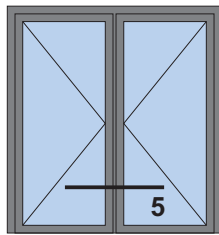
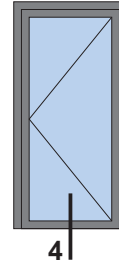
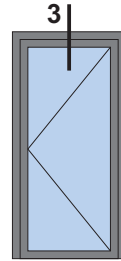
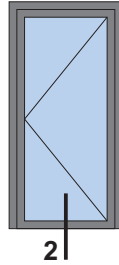
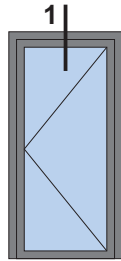
DOORS

ASPECT SECTIONS

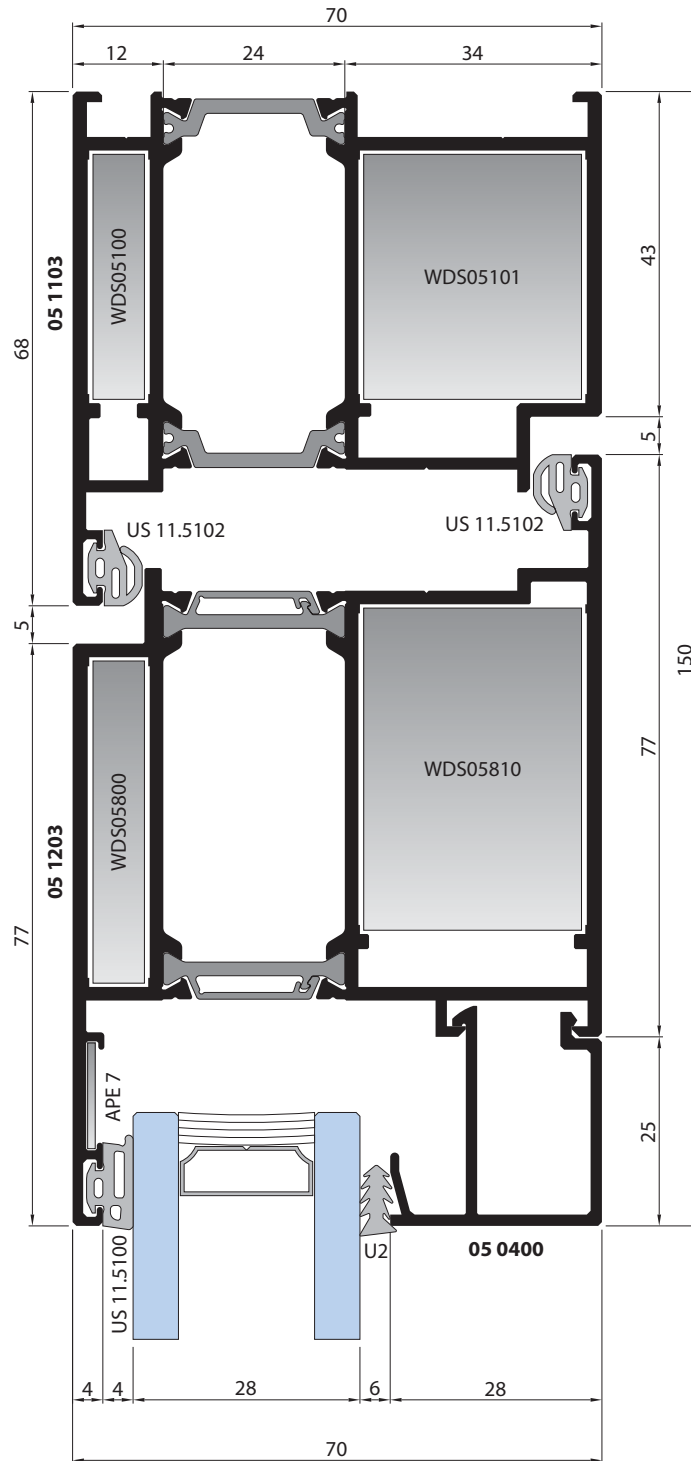
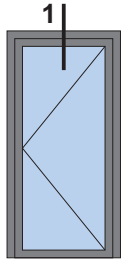
DOORS SECTIONS

GLAZING OPTIONS

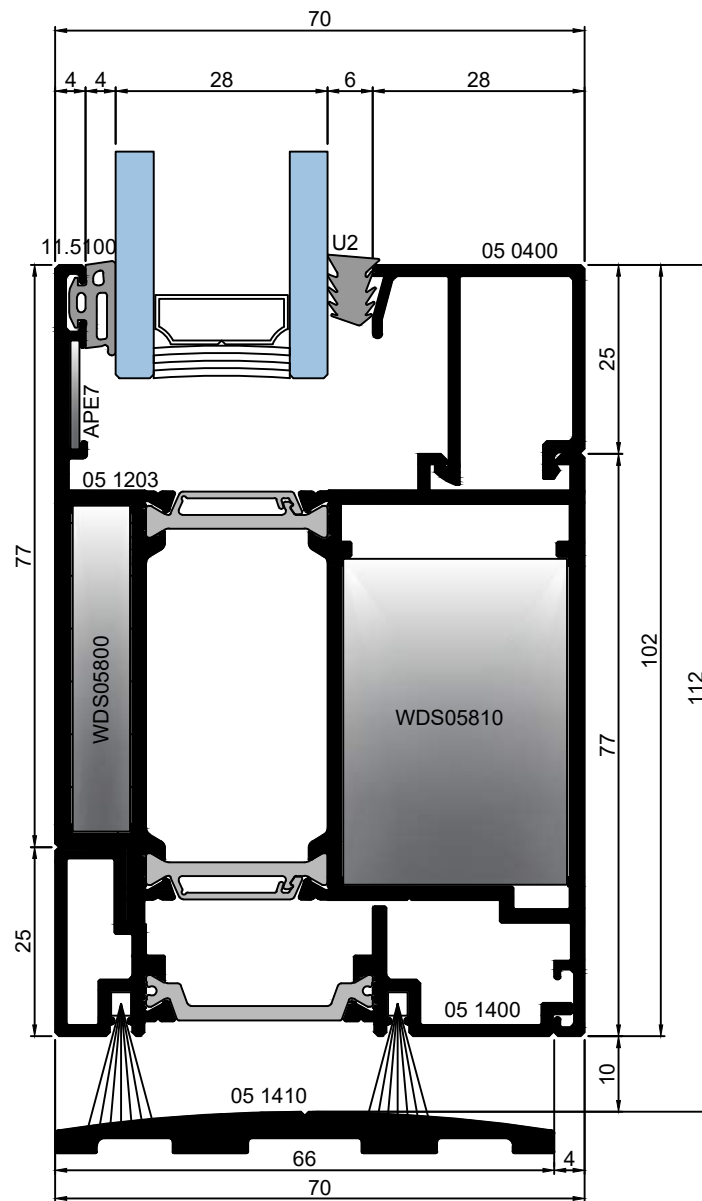
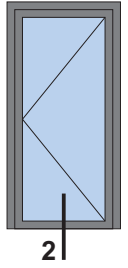
ASPECT SECTIONS



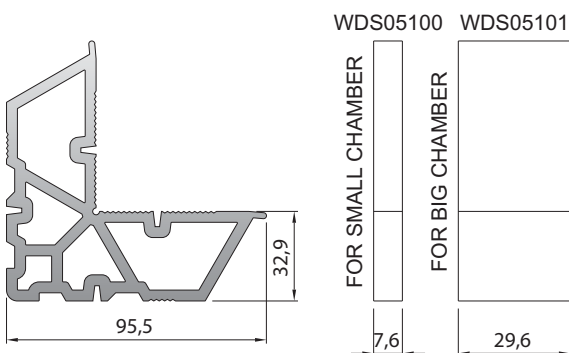
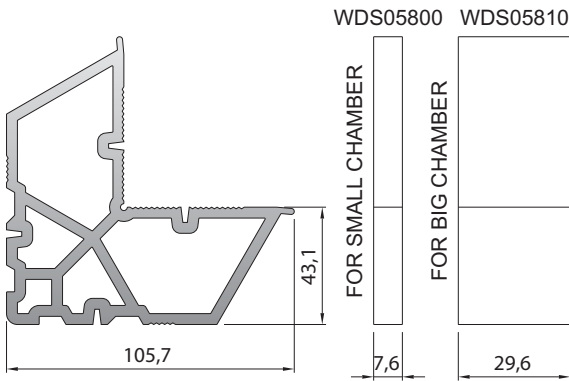
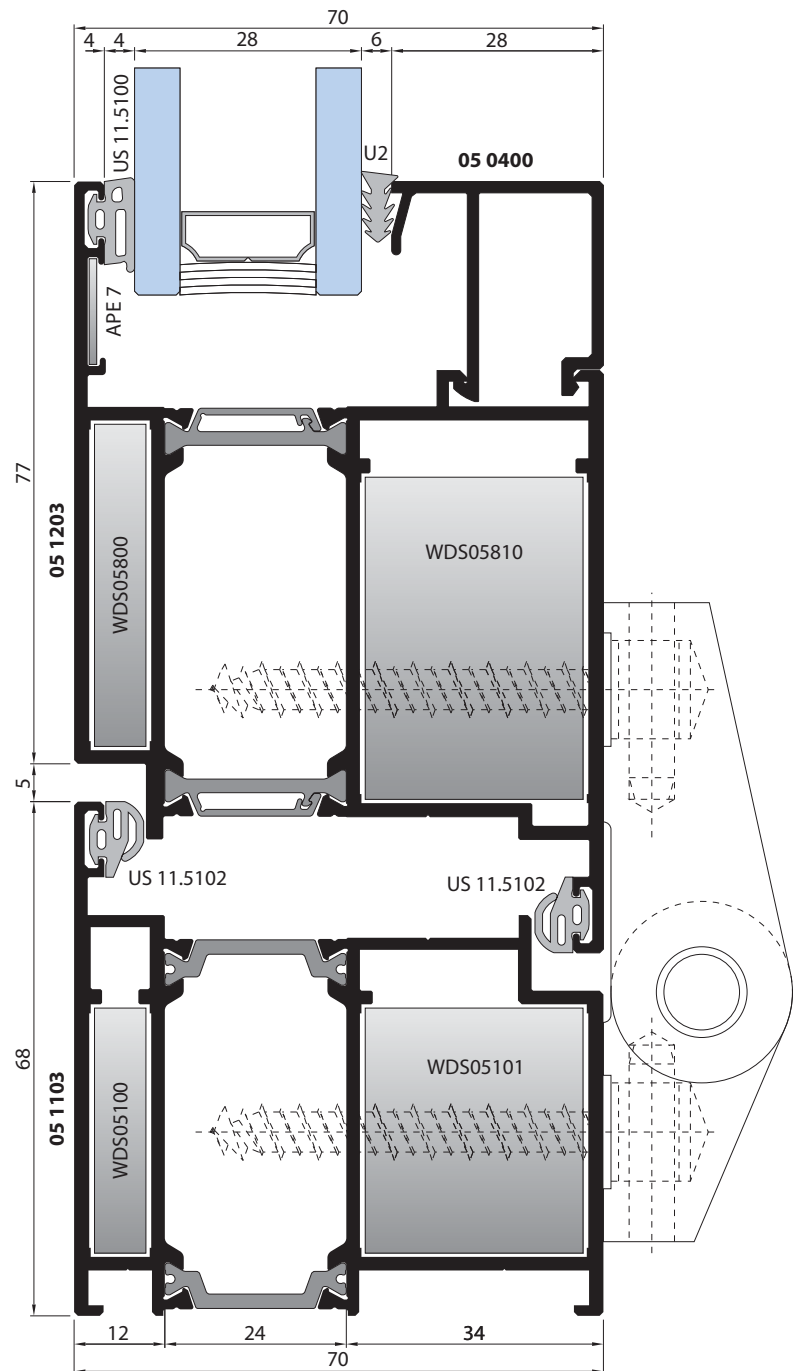
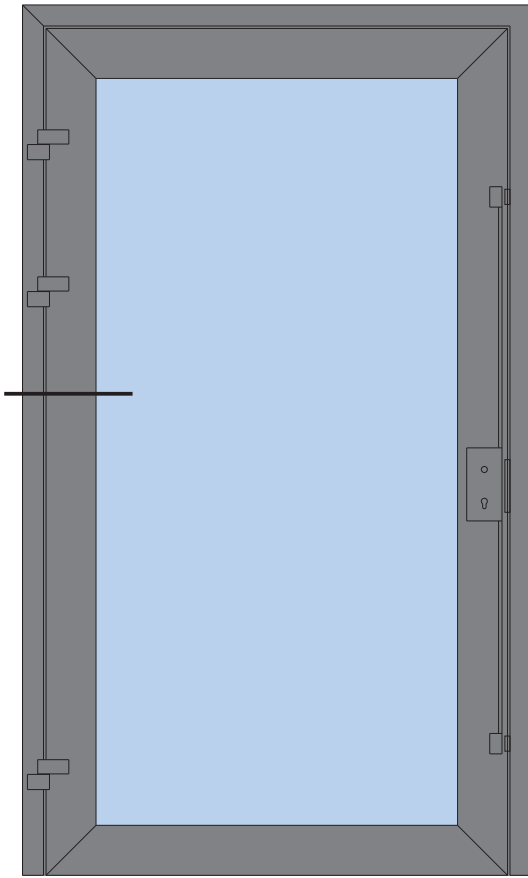
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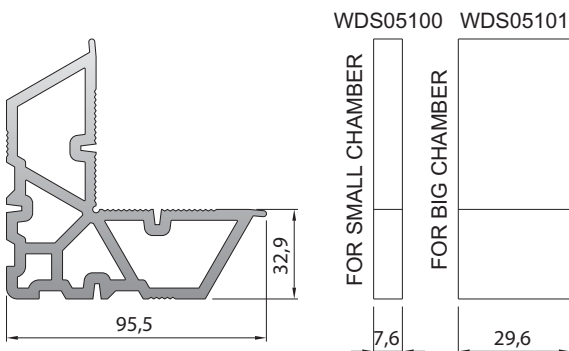
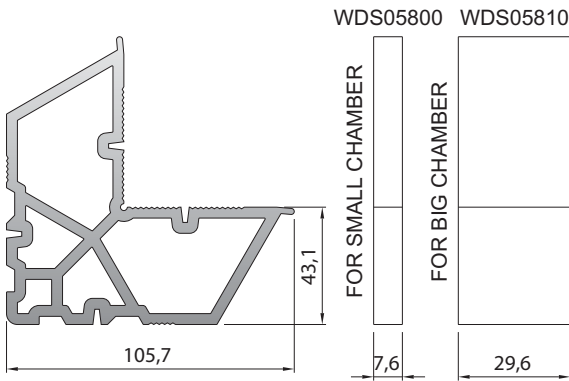
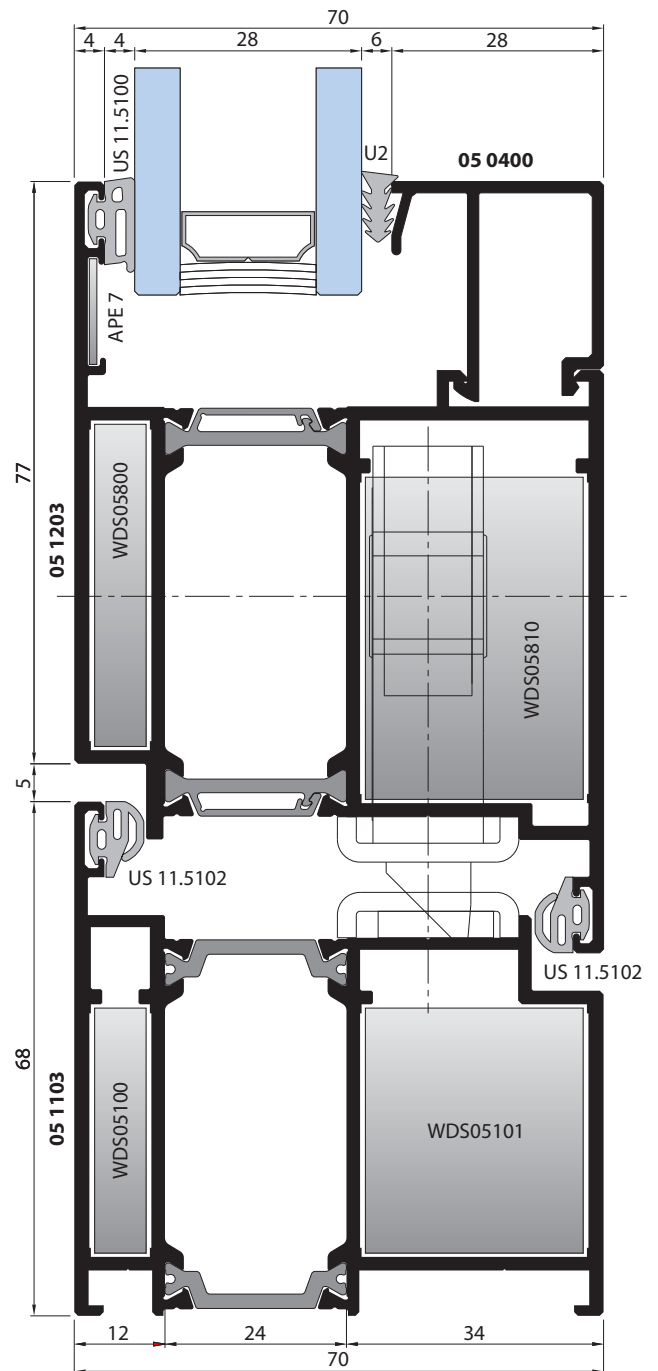
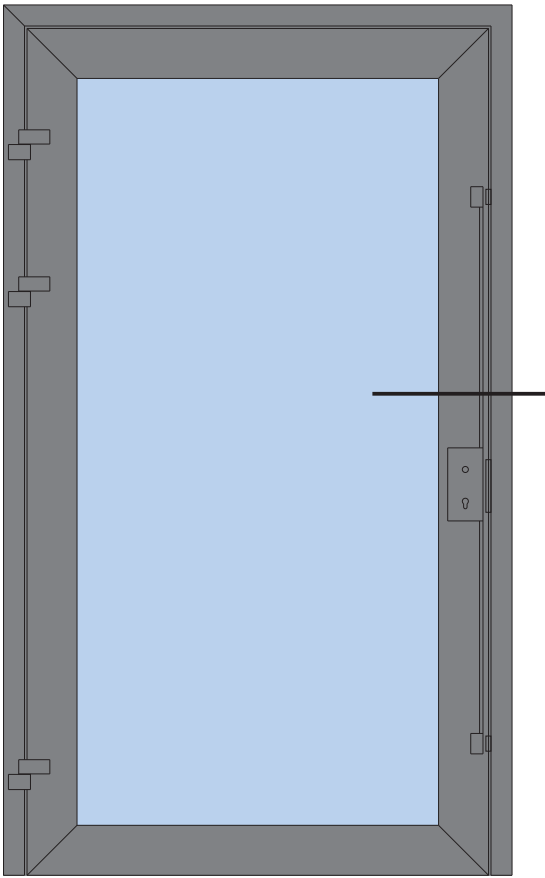
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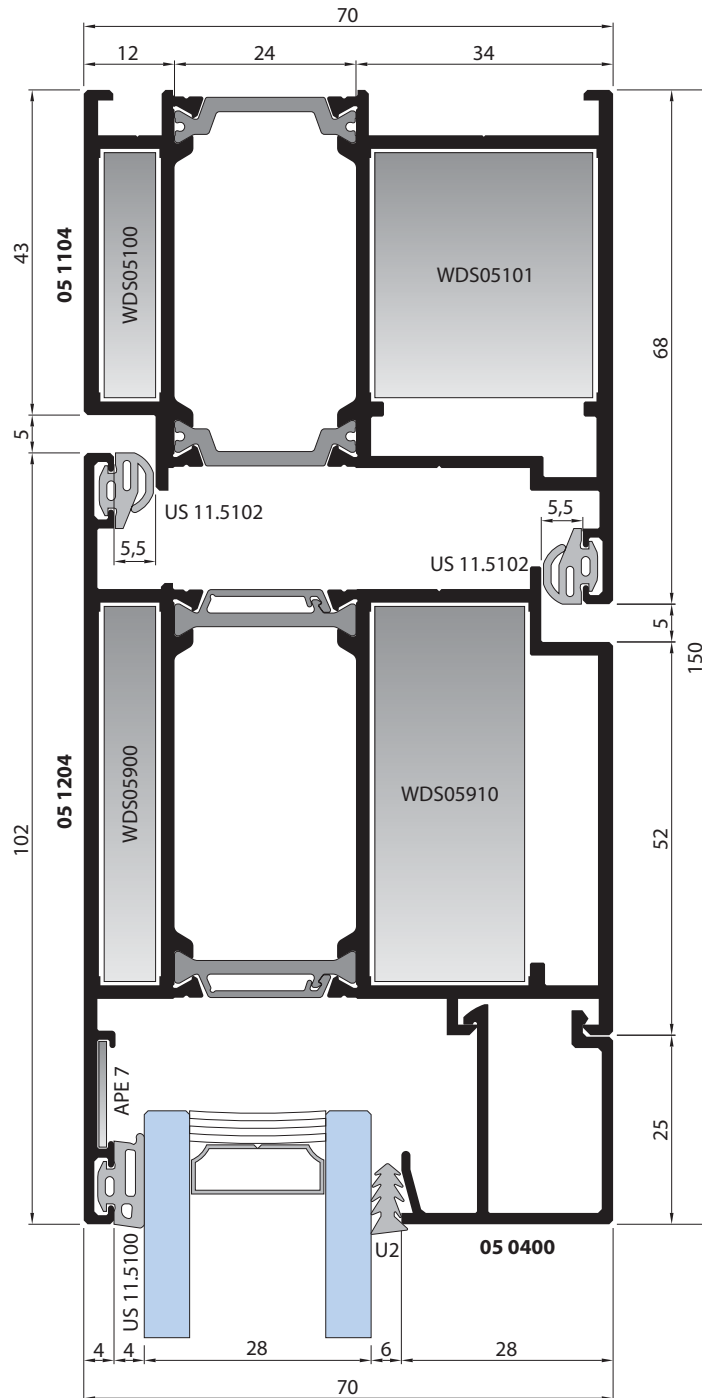
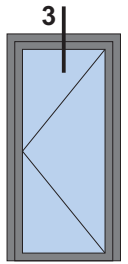
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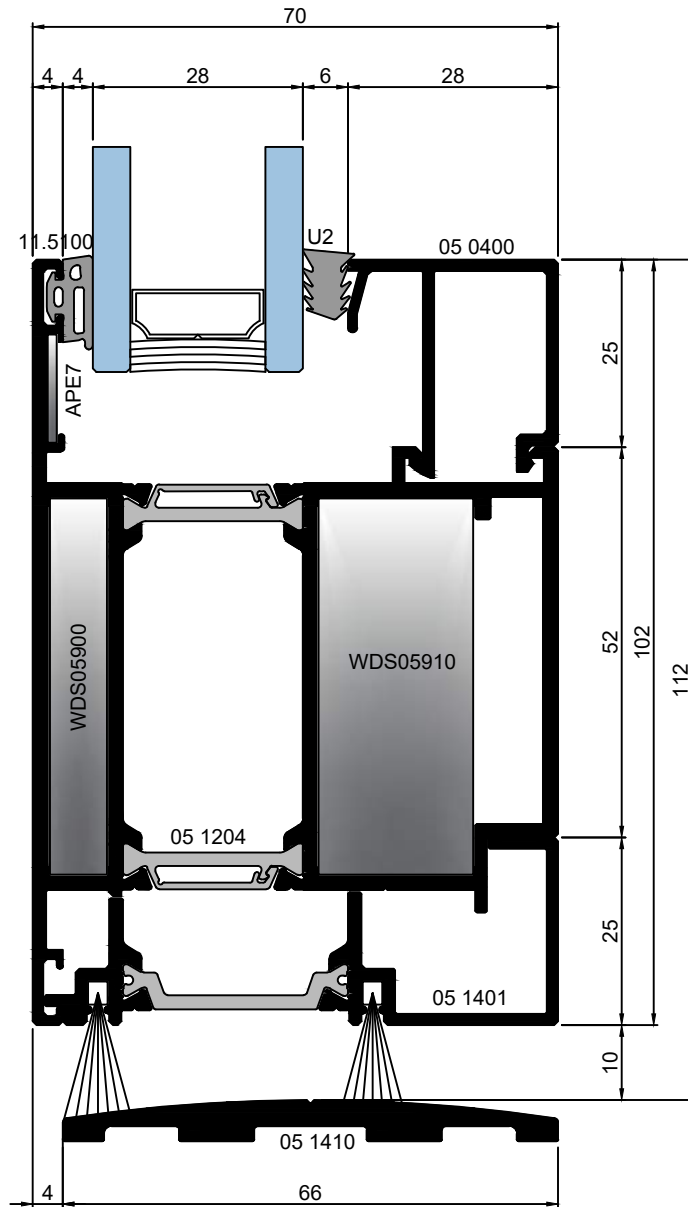
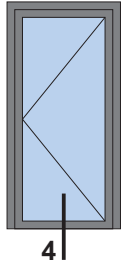
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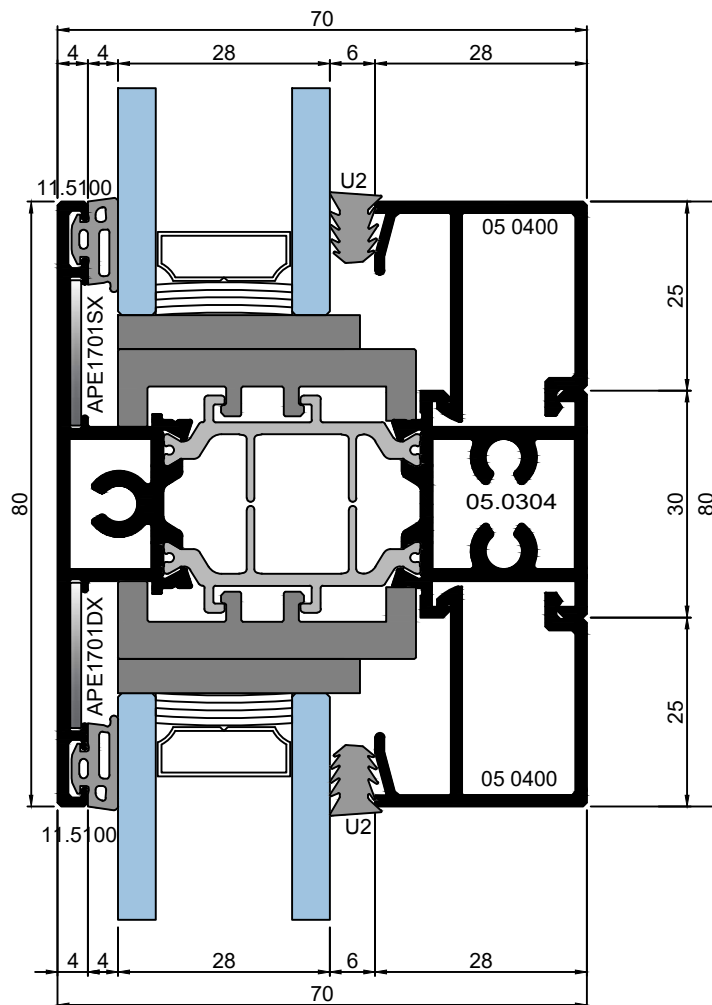
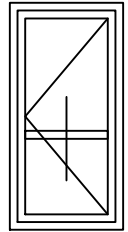
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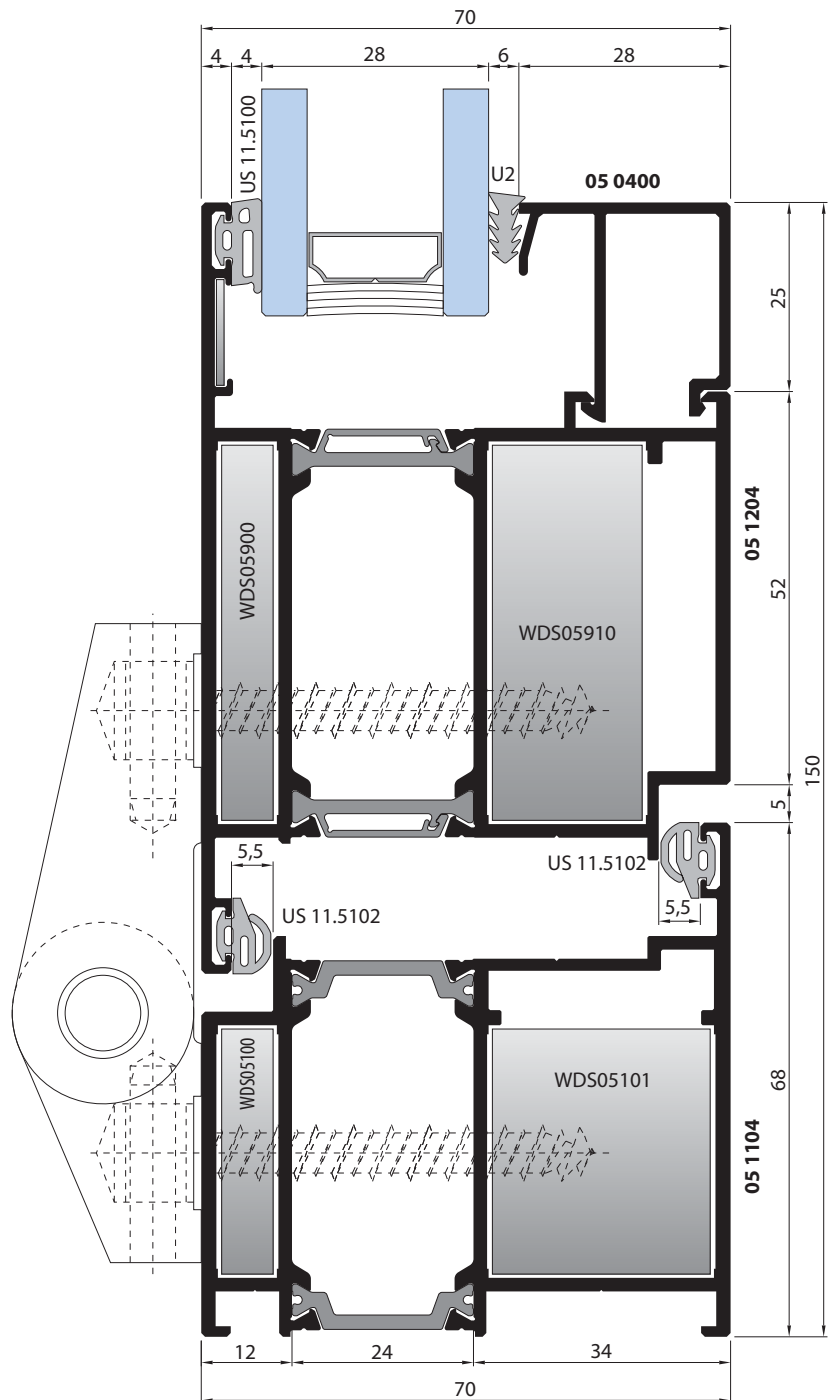
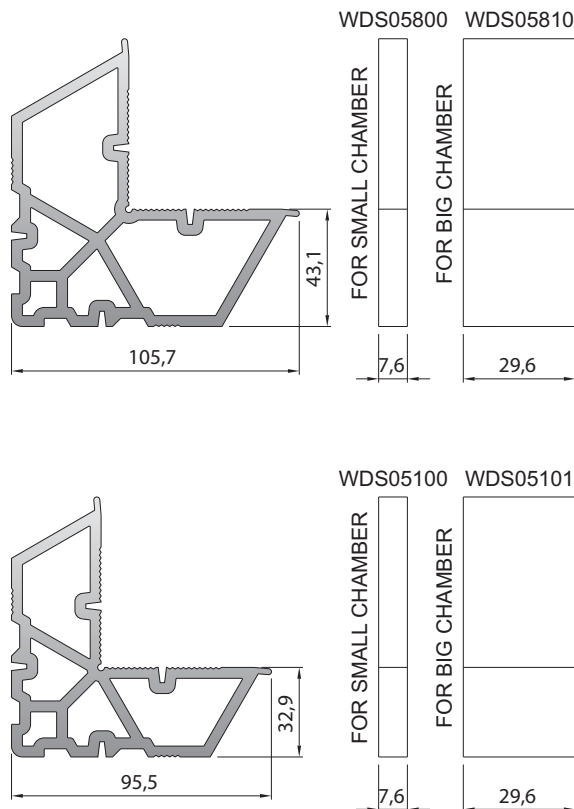
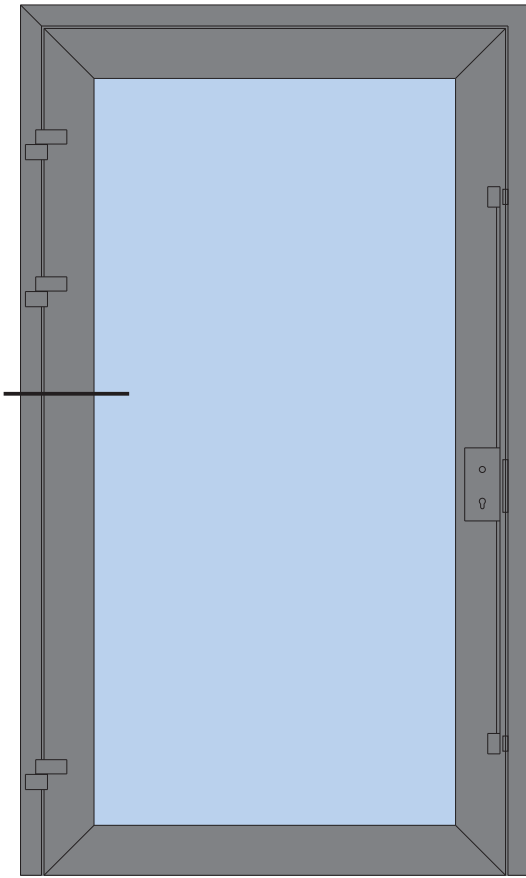
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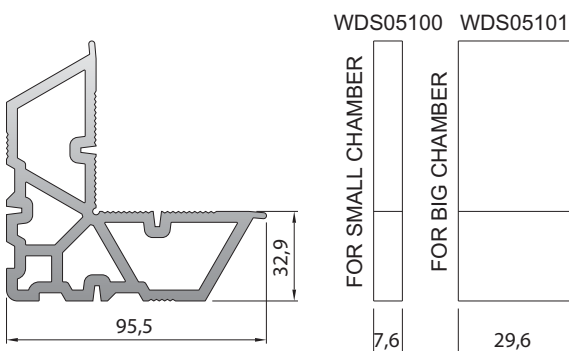
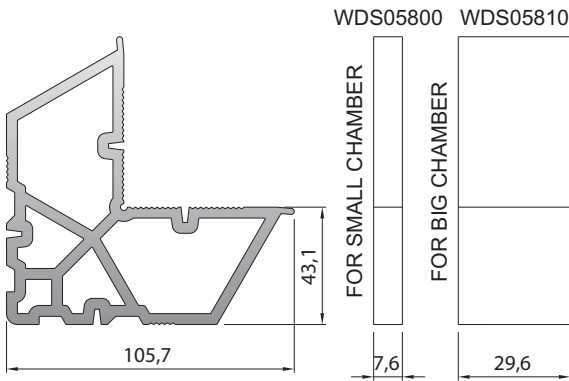
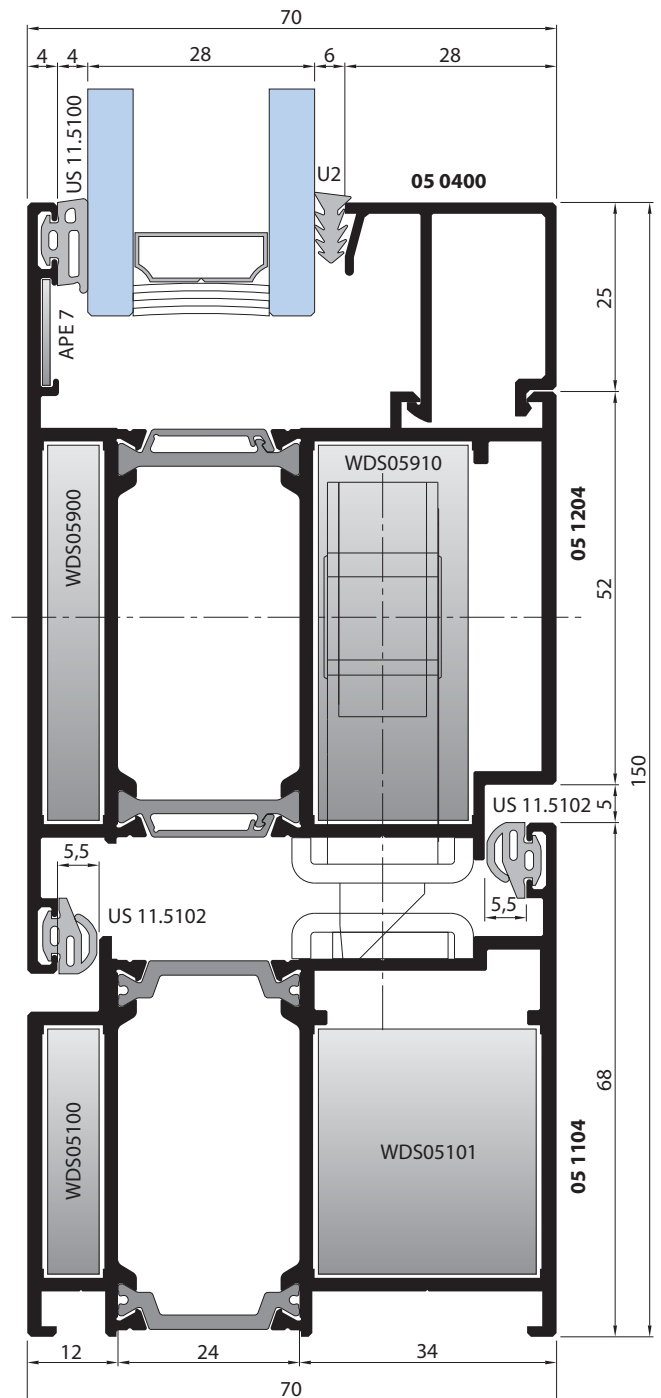
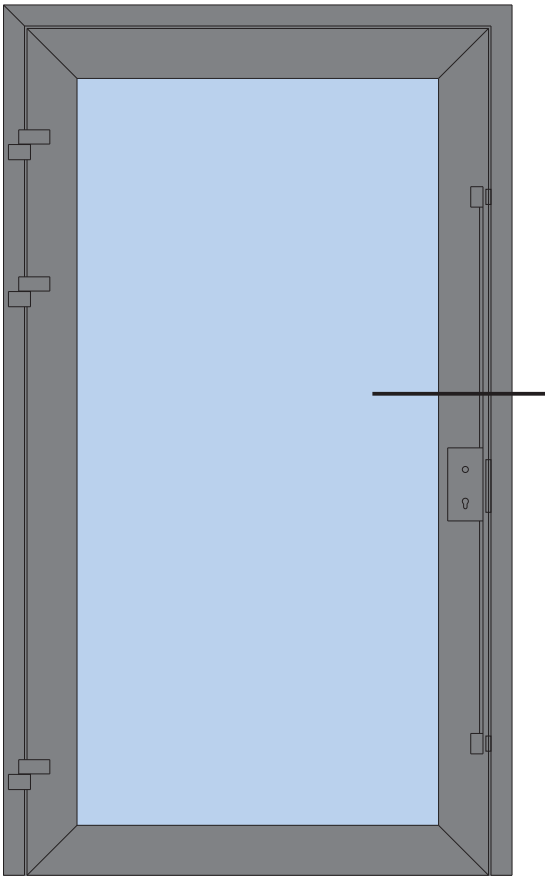
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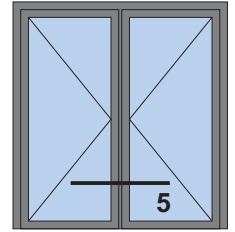
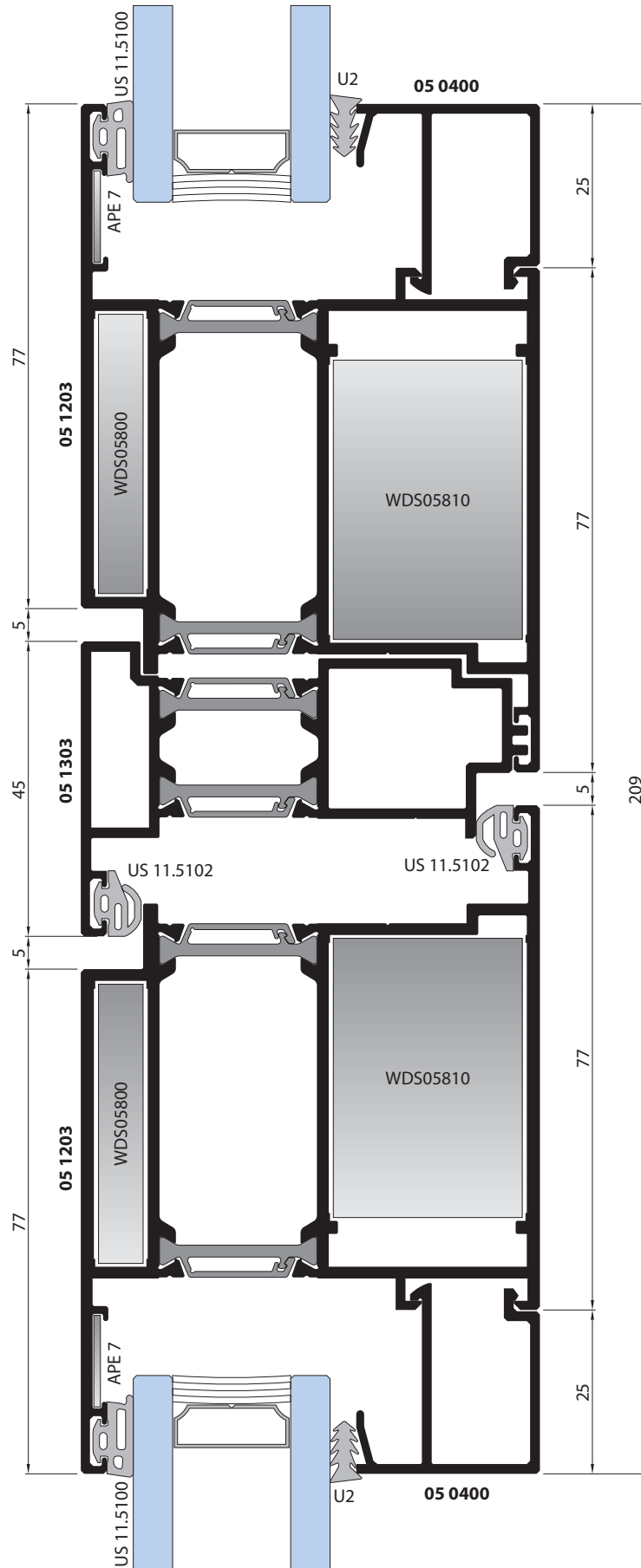
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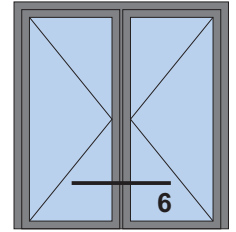
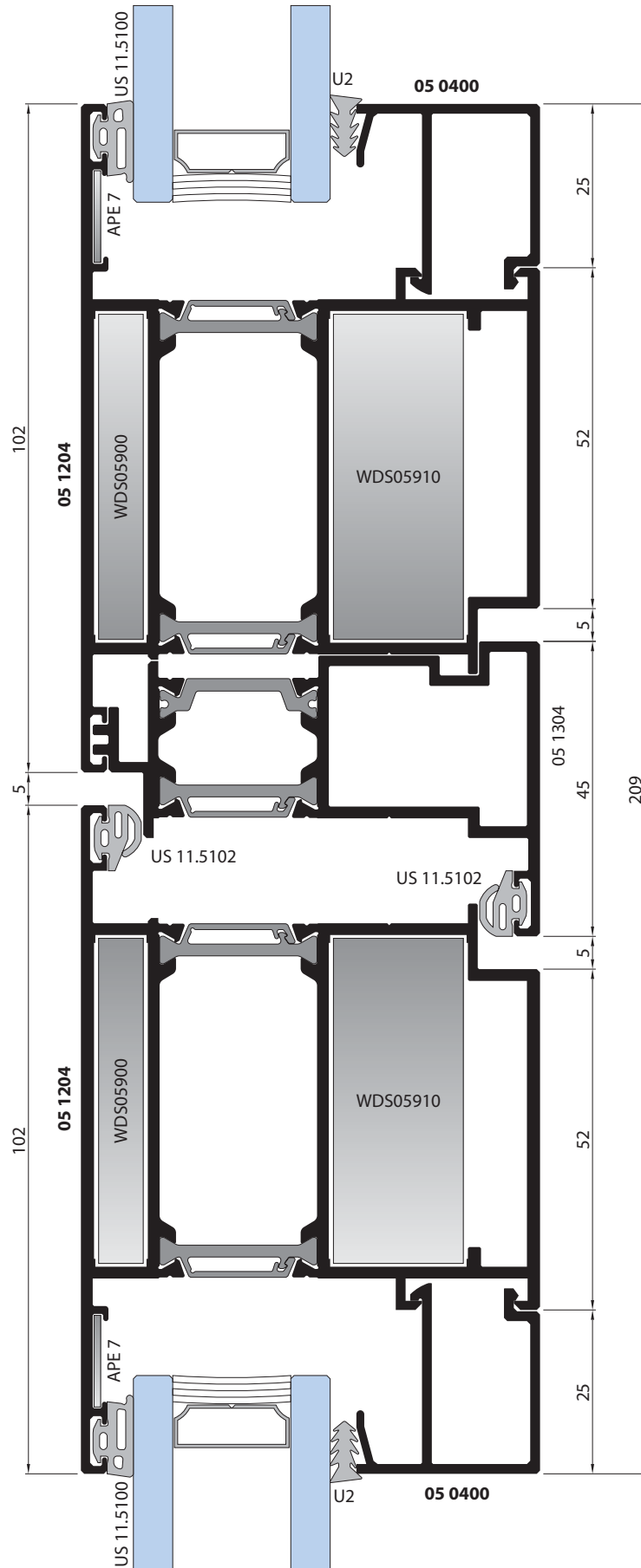
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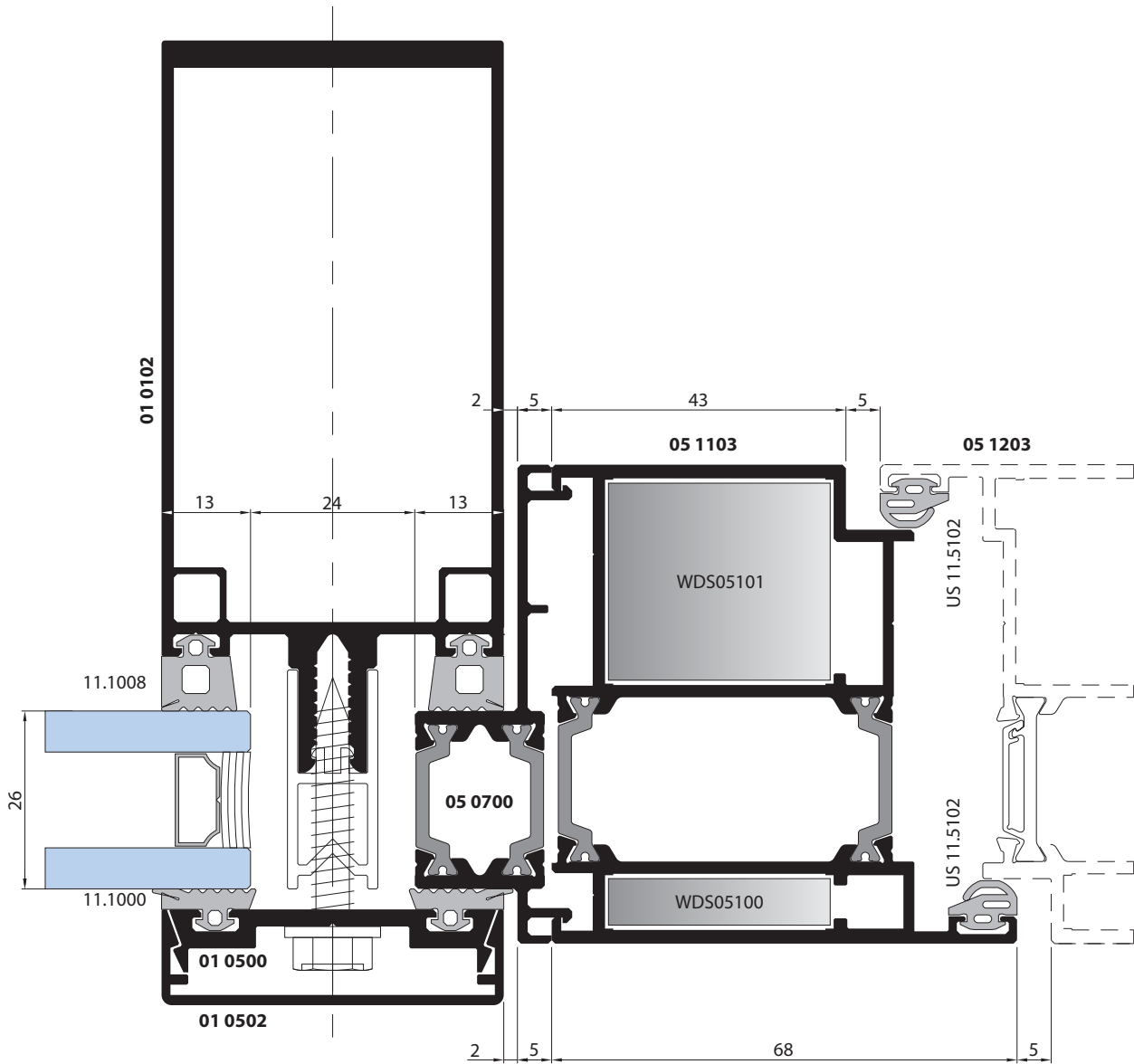
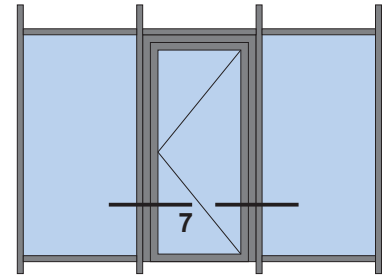
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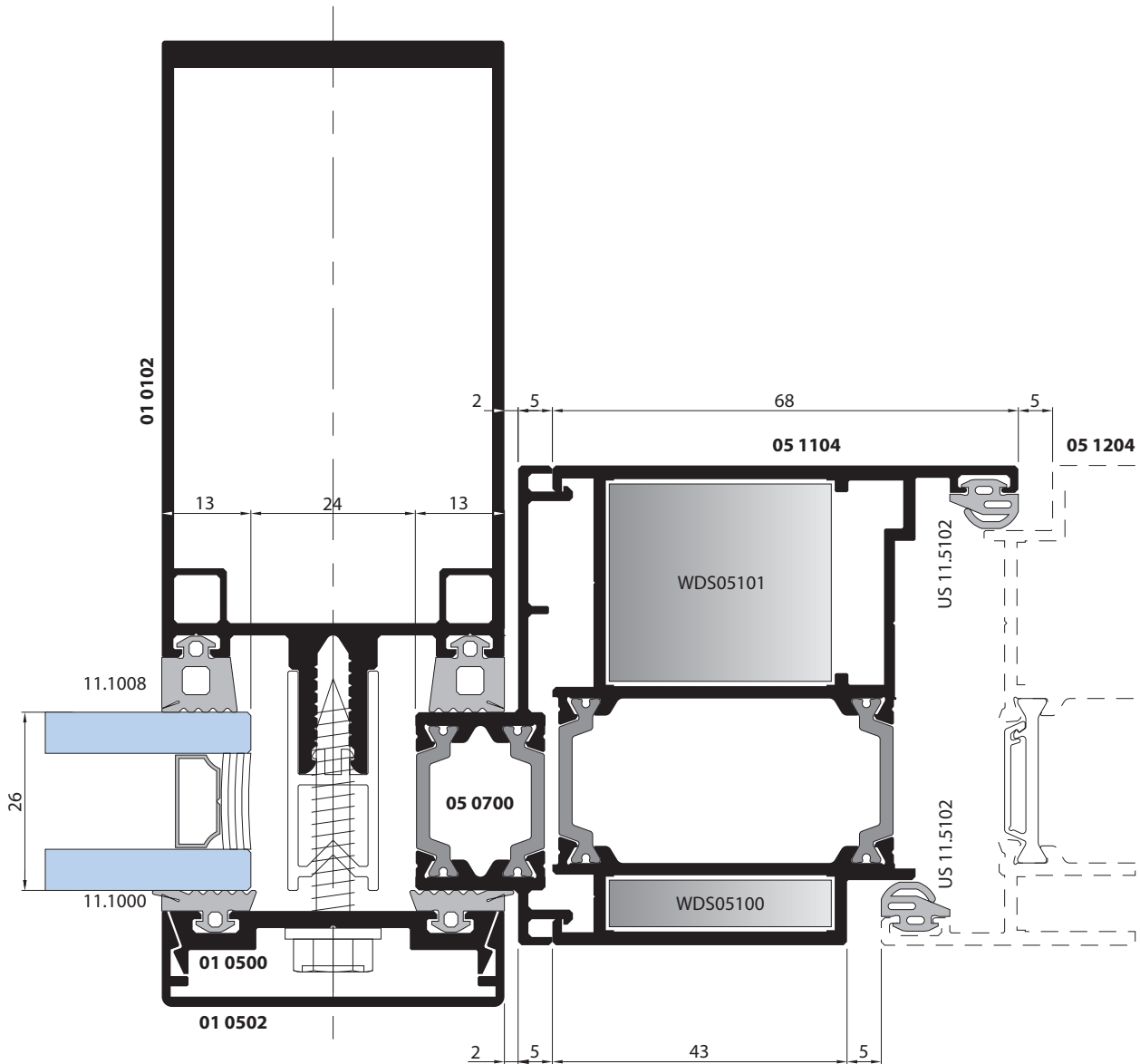
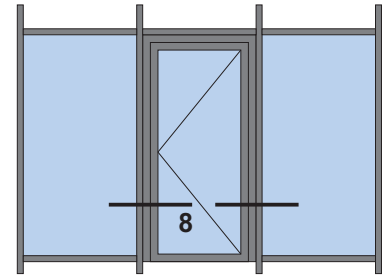
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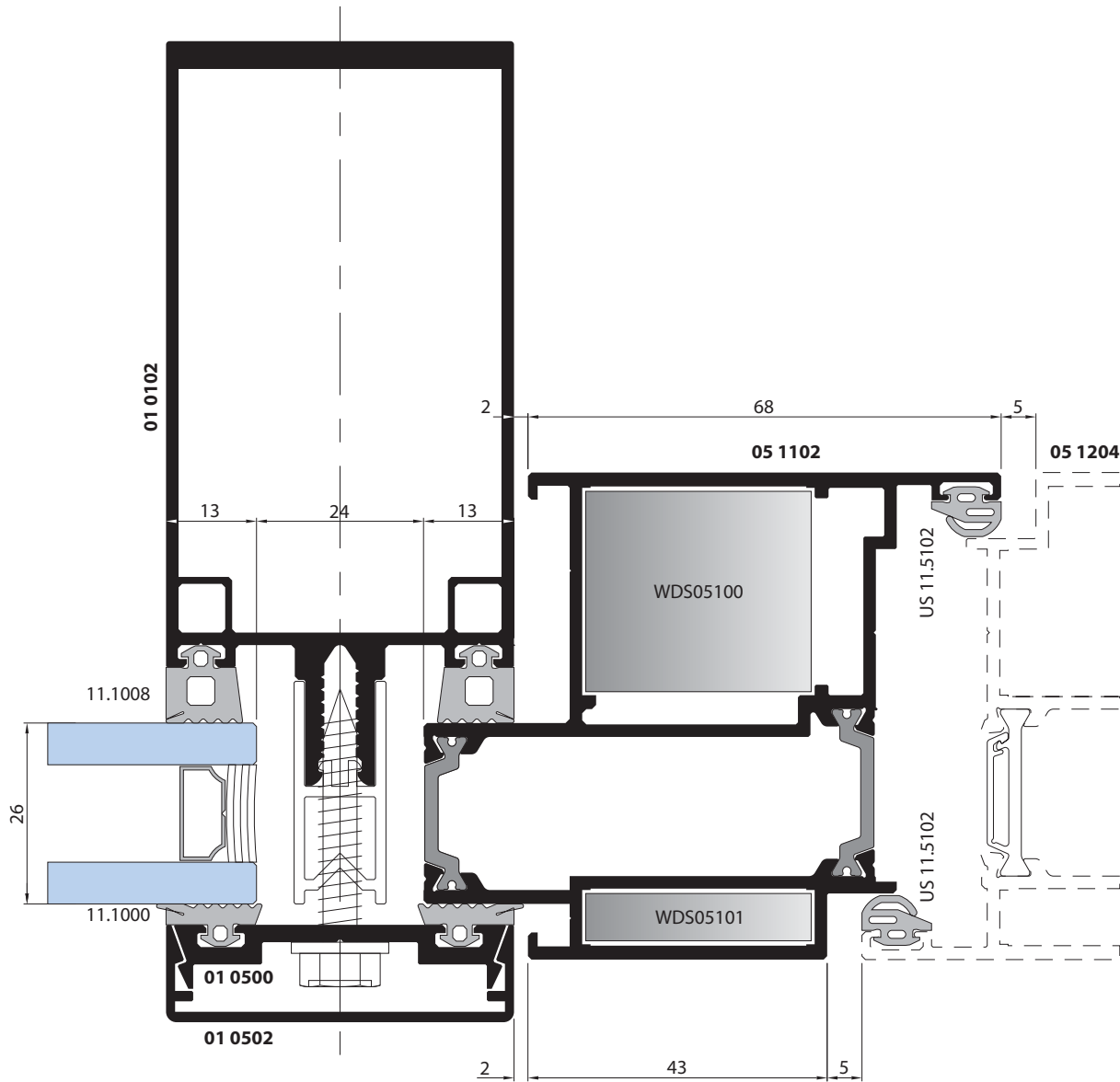
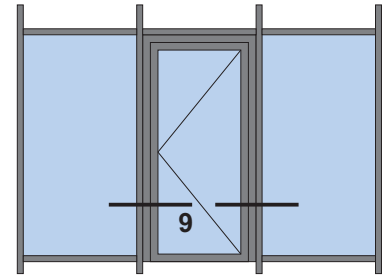
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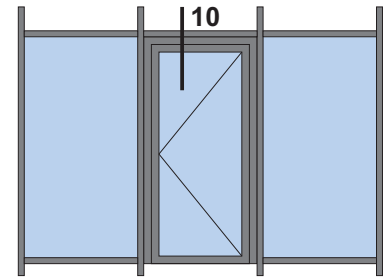
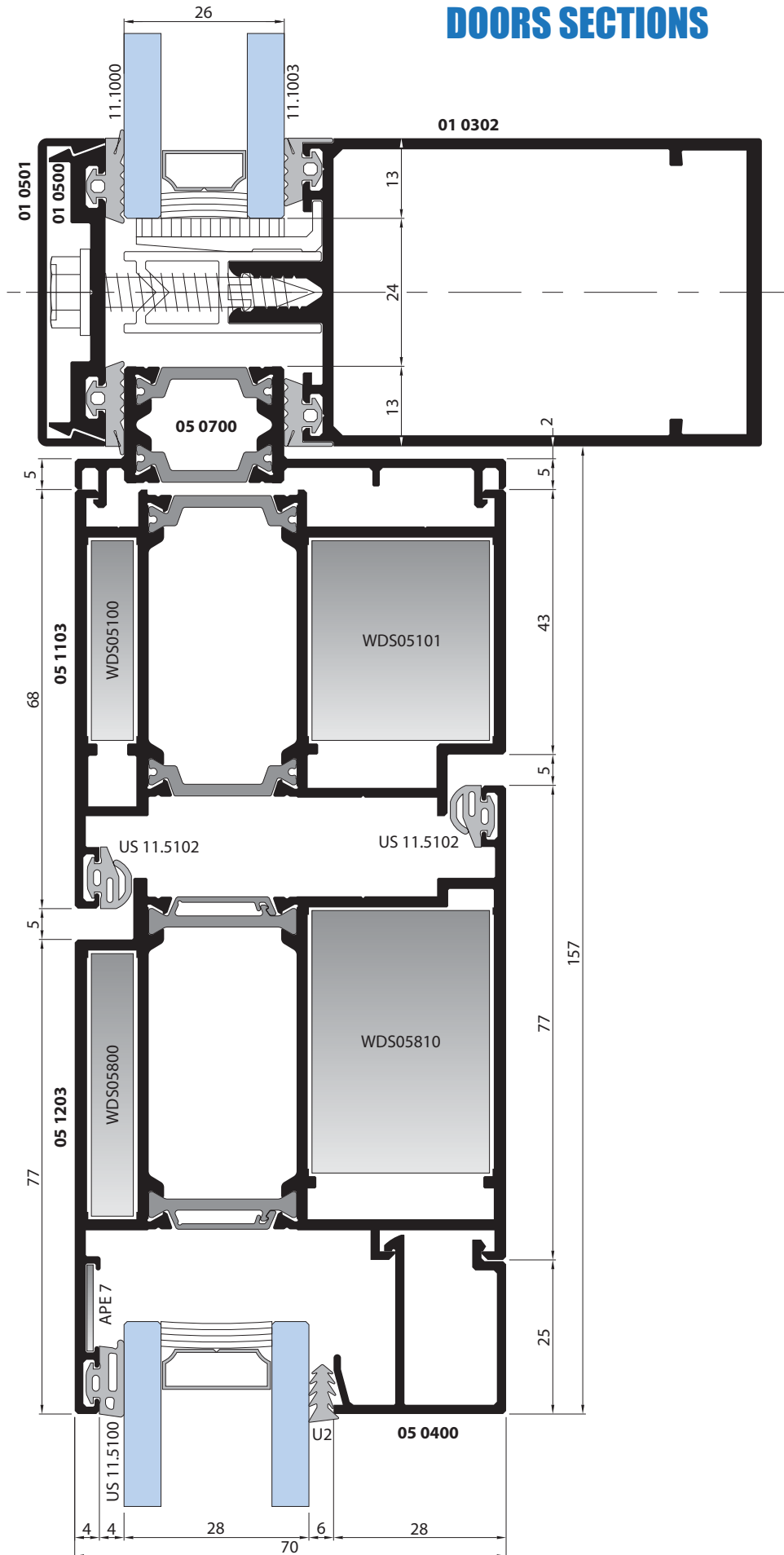
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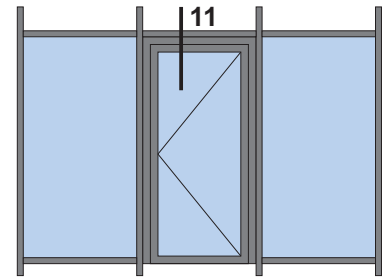
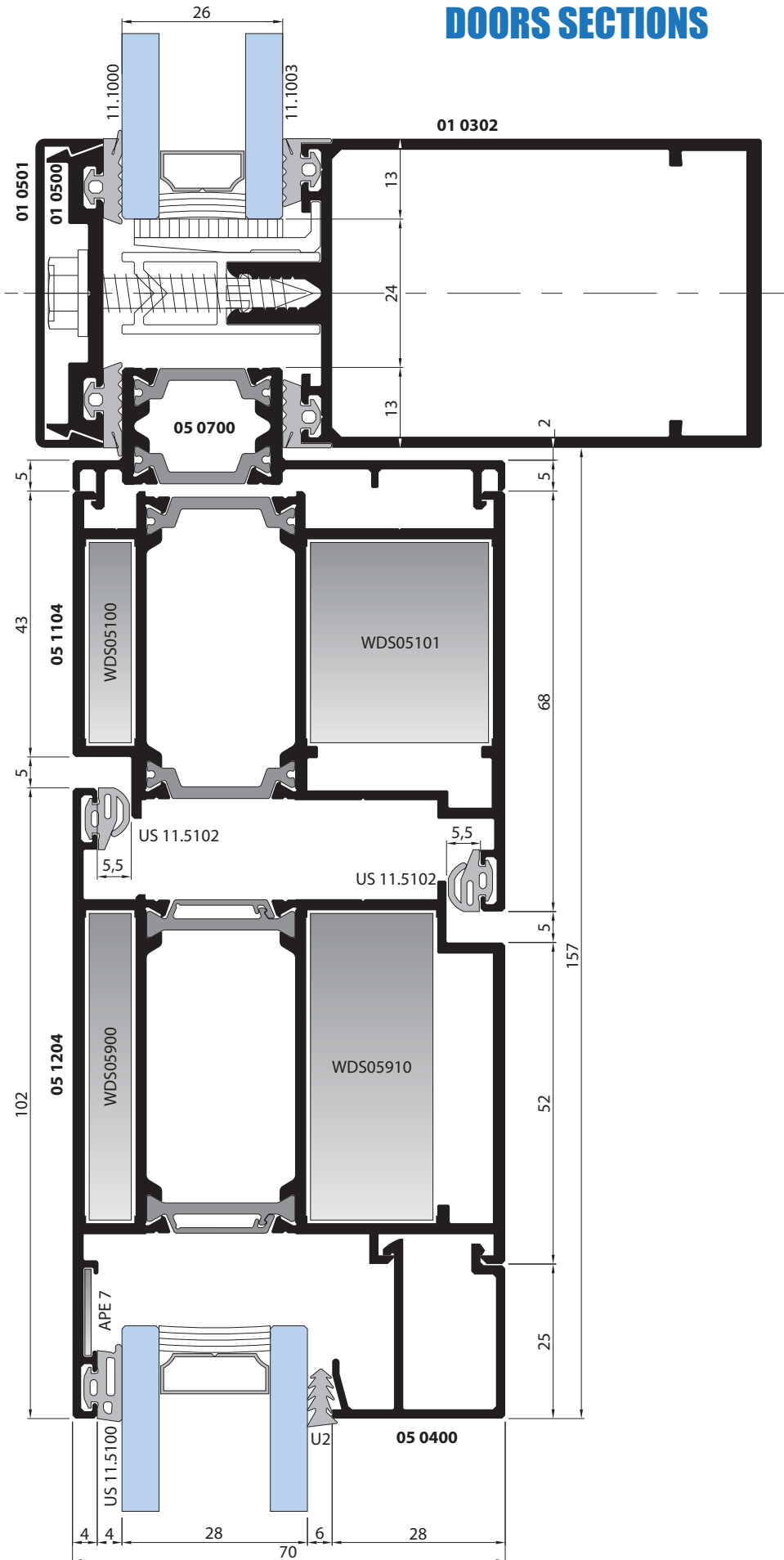
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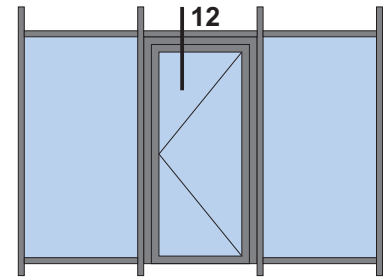
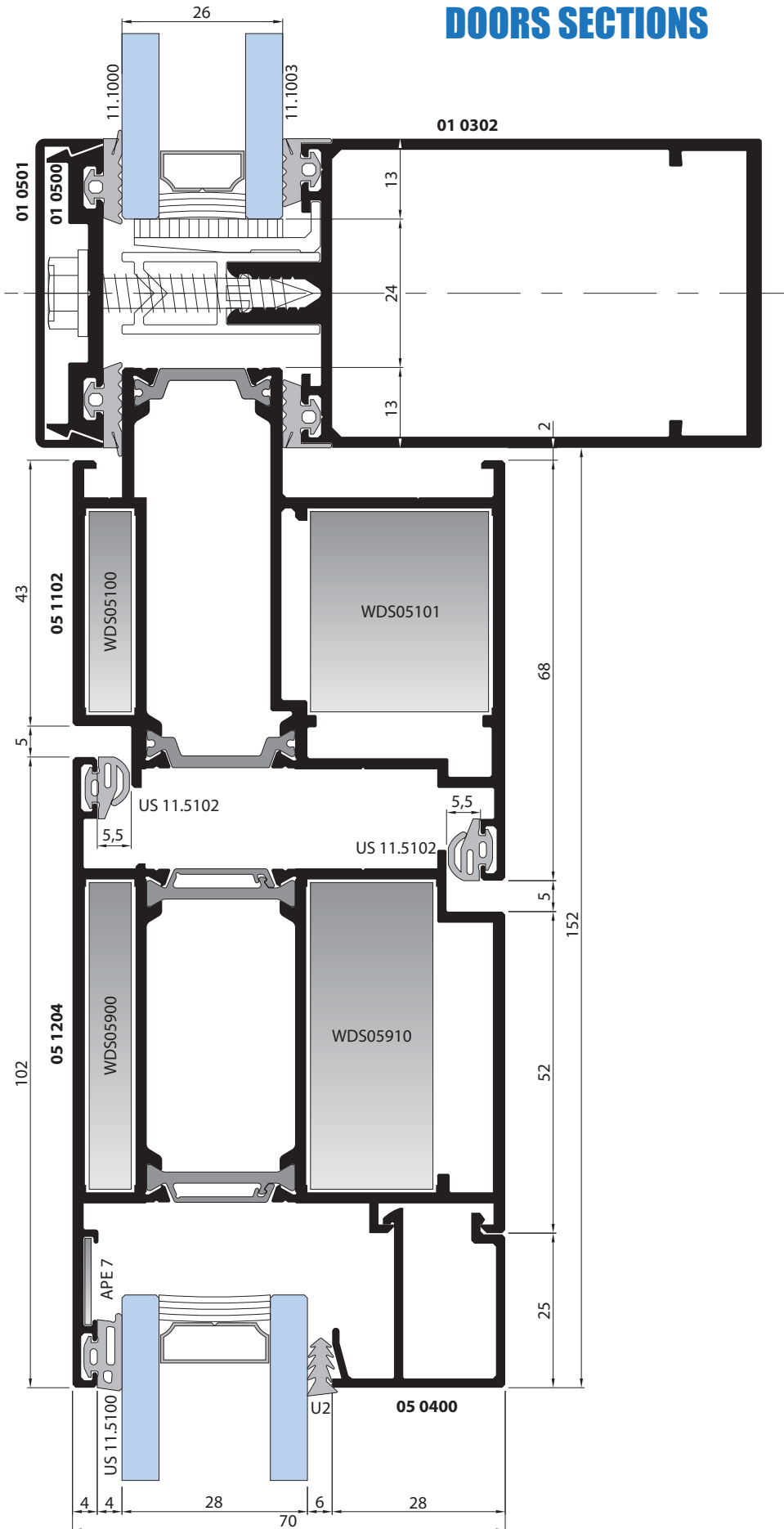
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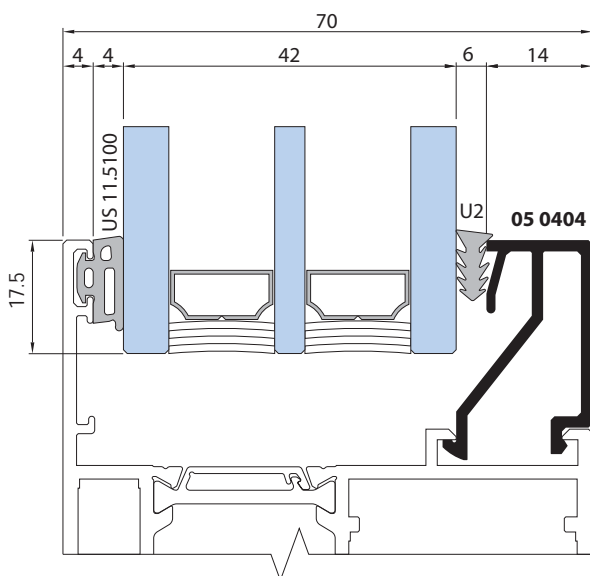
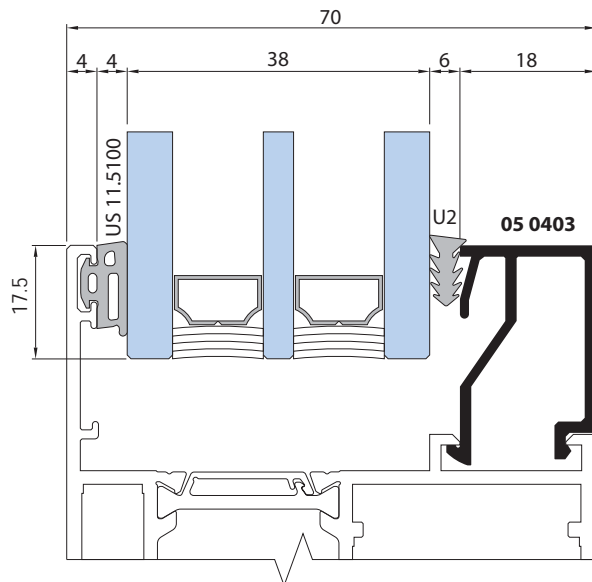
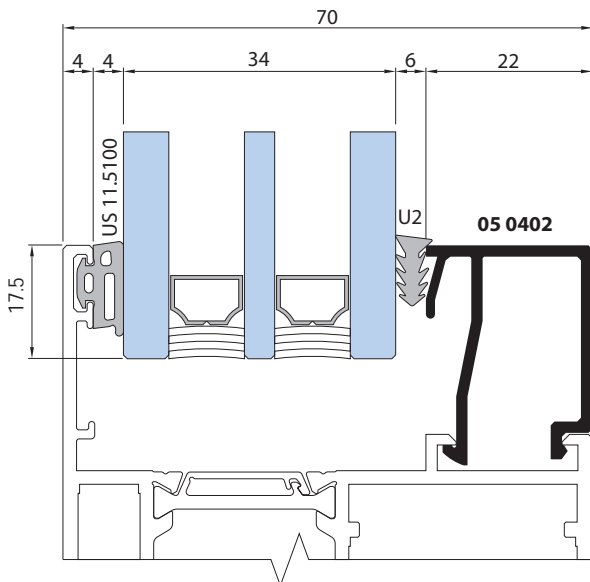
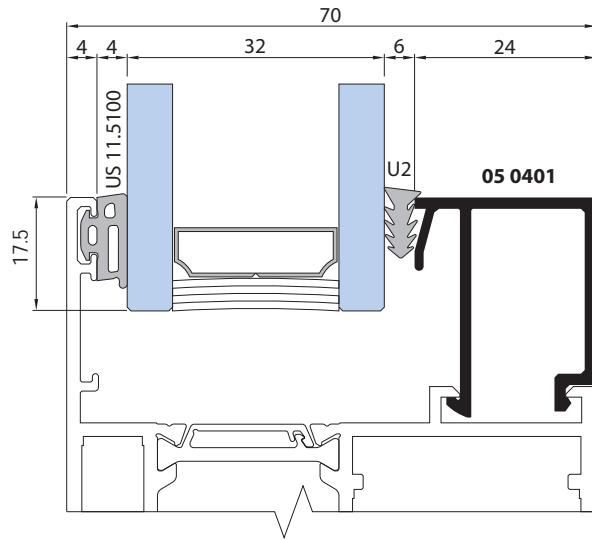
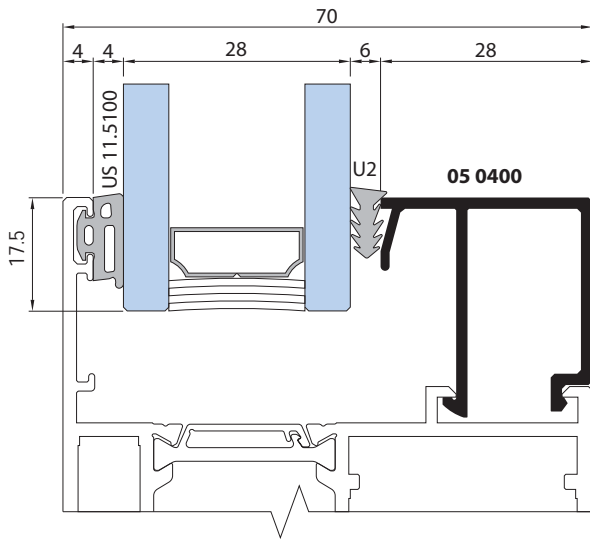
DOORS SECTIONS



DOORS SECTIONS



GLAZING OPTIONS

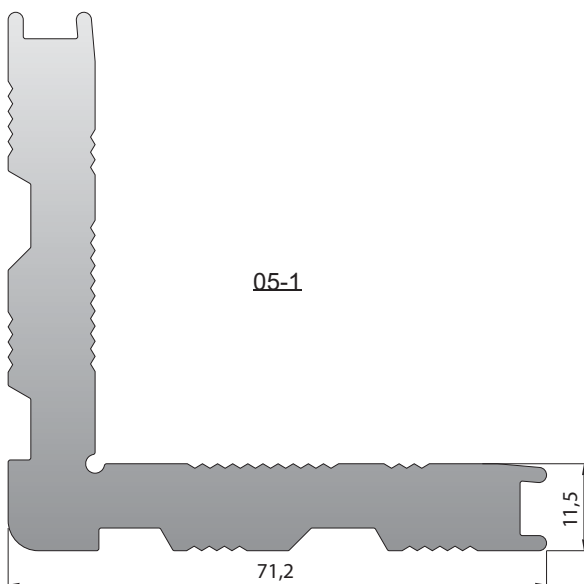
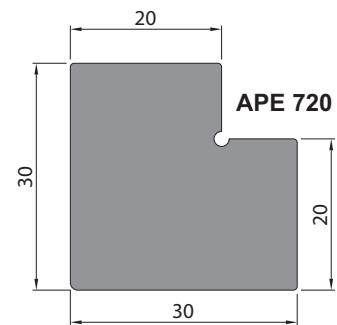
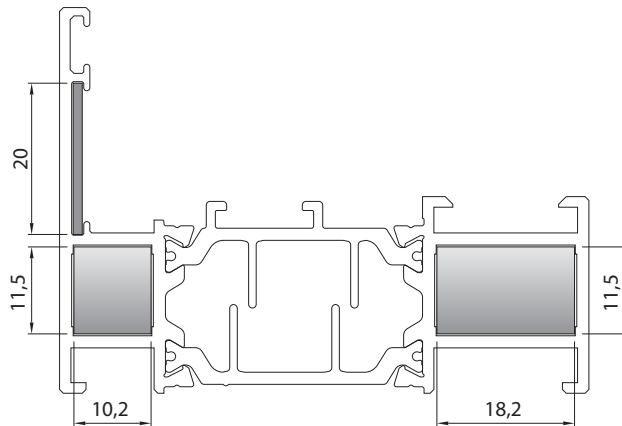


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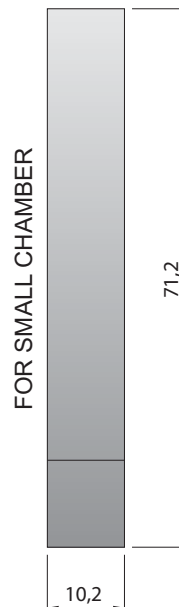
DETAILS

DETAILS

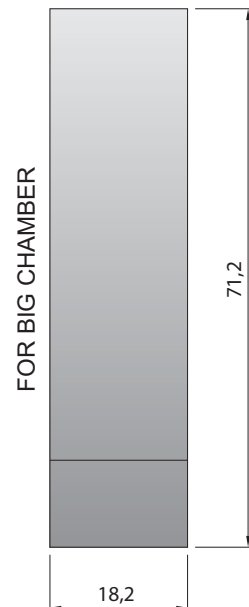
CONNECTION CORNERS FOR PROFILE - 05.0100



WDS05010

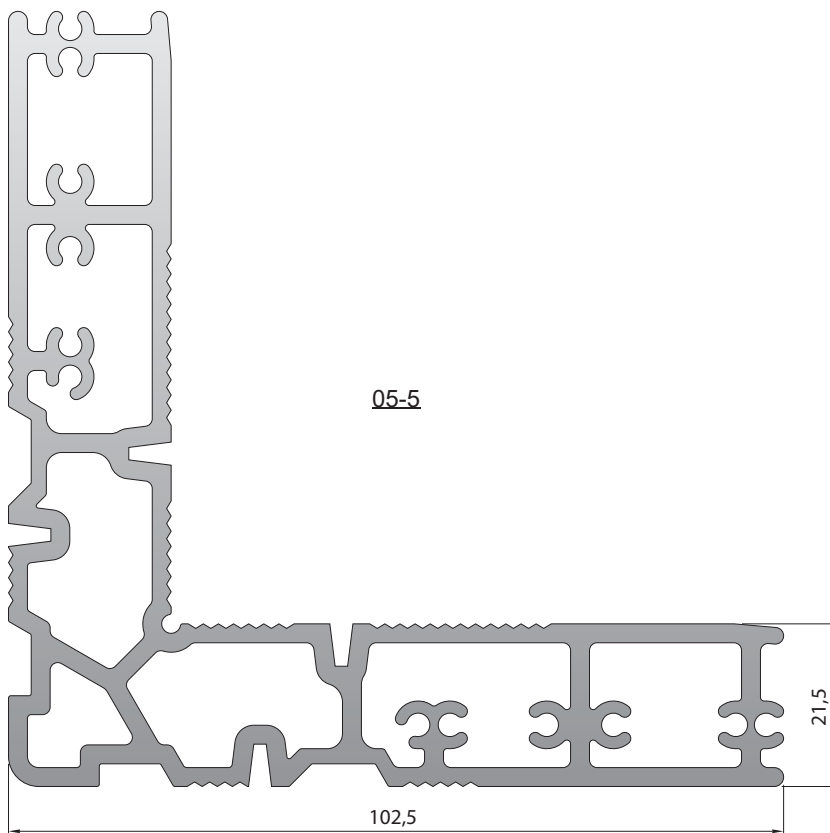
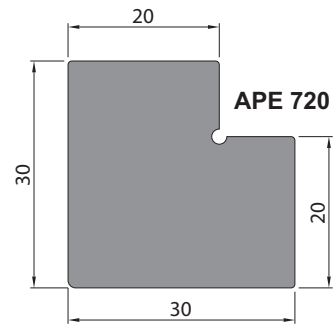
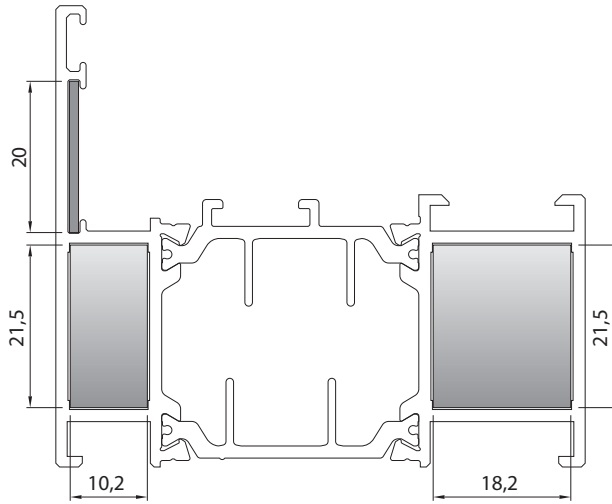


WDS05011

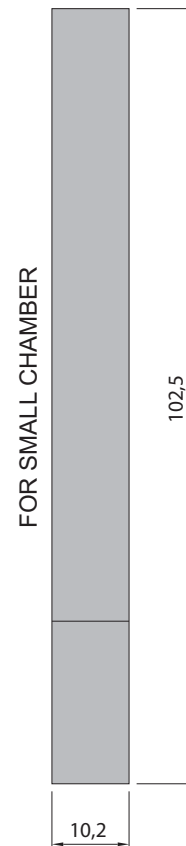


DETAILS

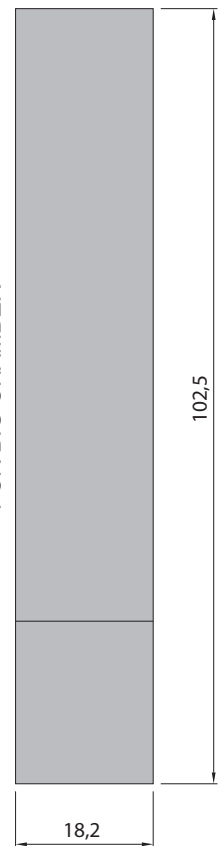
CONNECTION CORNERS FOR PROFILE - 05.0101



WDS05500

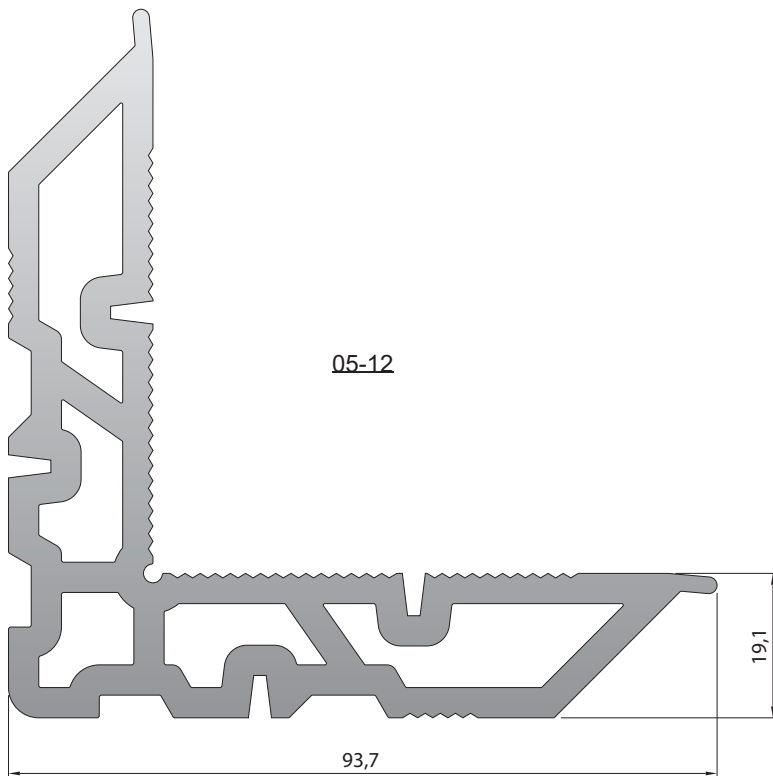
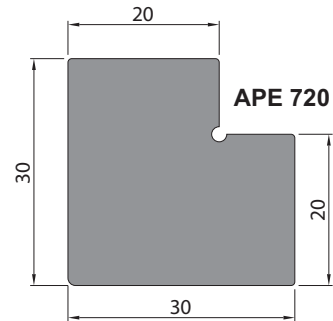
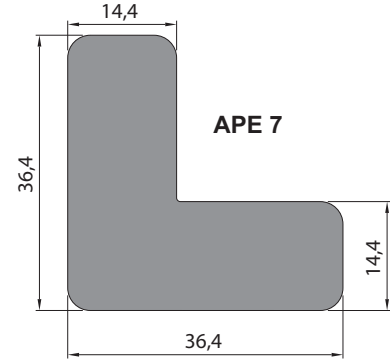
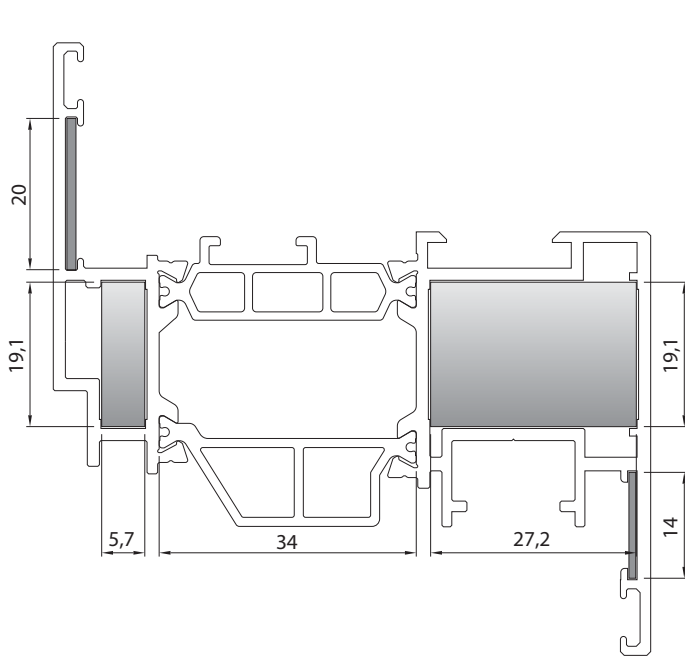


WDS05510

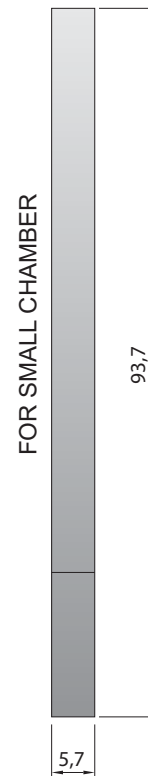


DETAILS

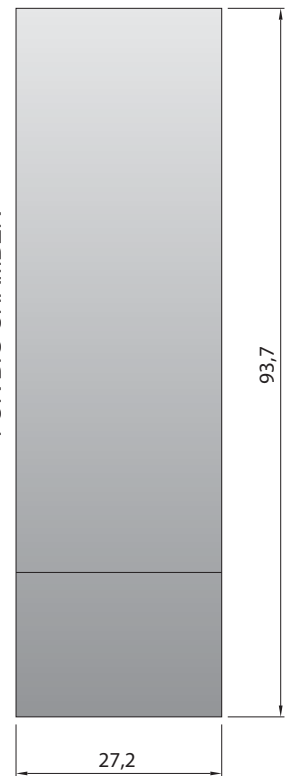
CONNECTION CORNERS FOR PROFILE - 05.0205



WDS05120

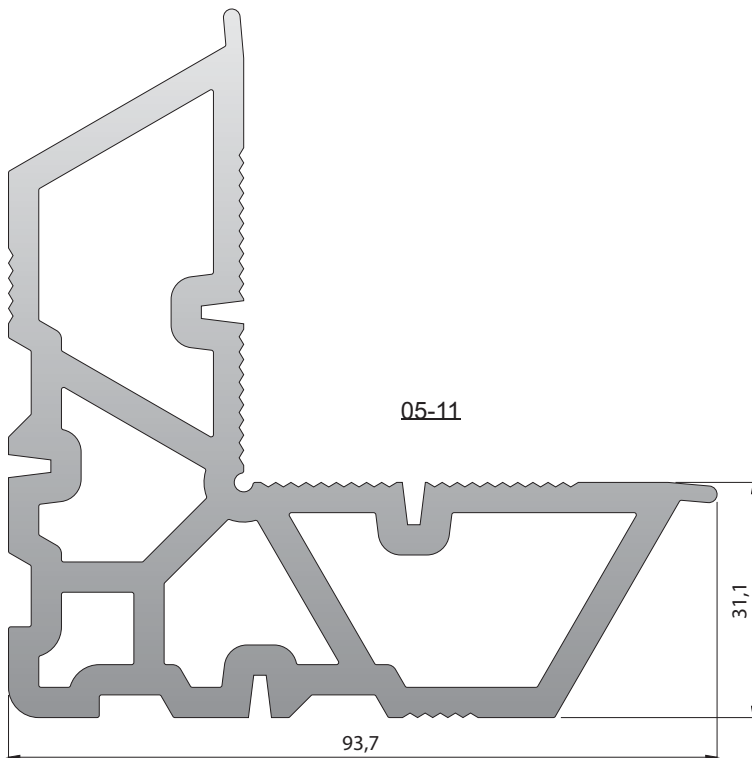
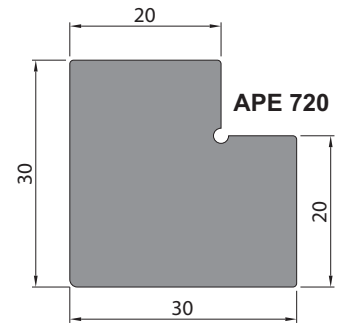
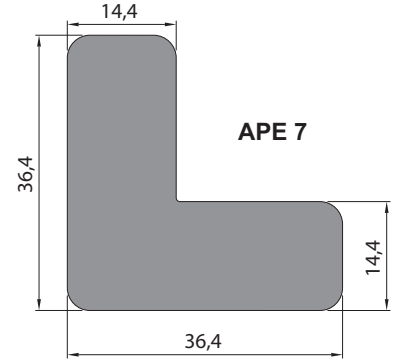
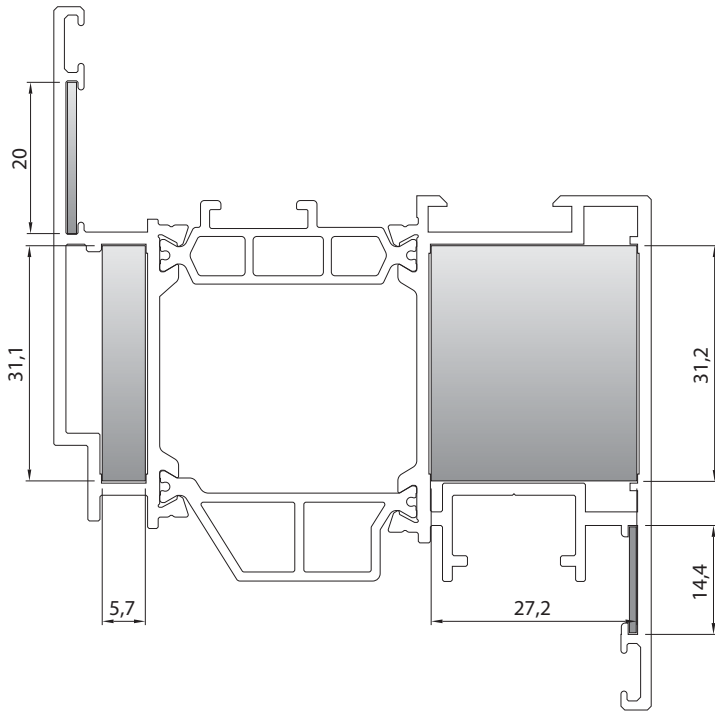


WDS05121



DETAILS

CONNECTION CORNERS FOR PROFILE - 05.0211



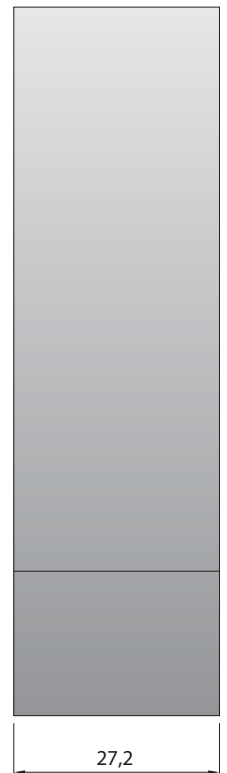
WDS05110

FOR SMALL CHAMBER



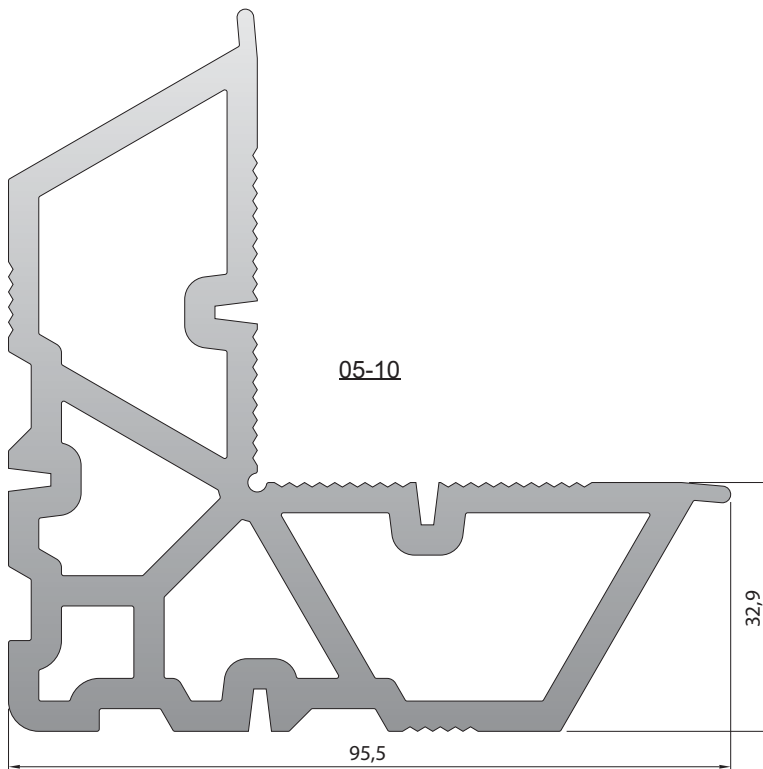
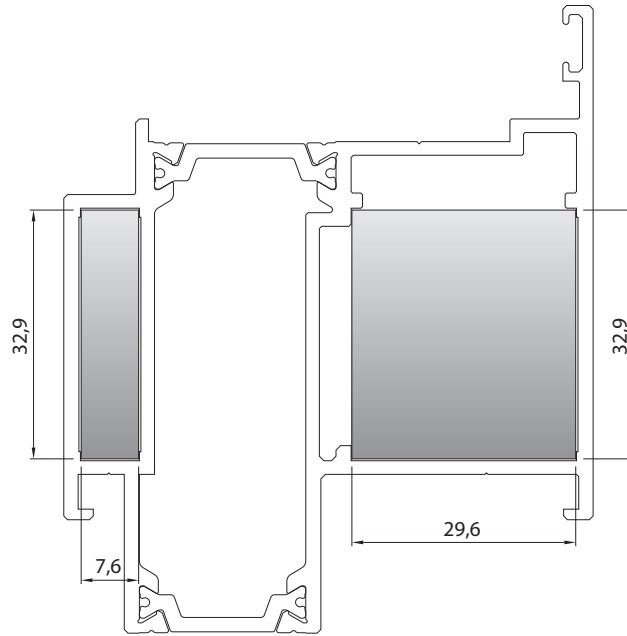
WDS05111

FOR BIG CHAMBER

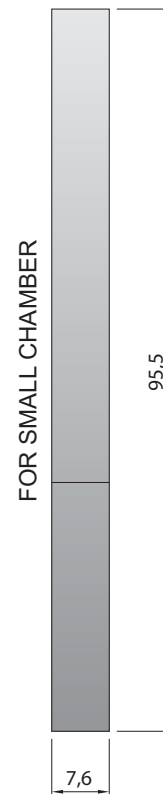


DETAILS

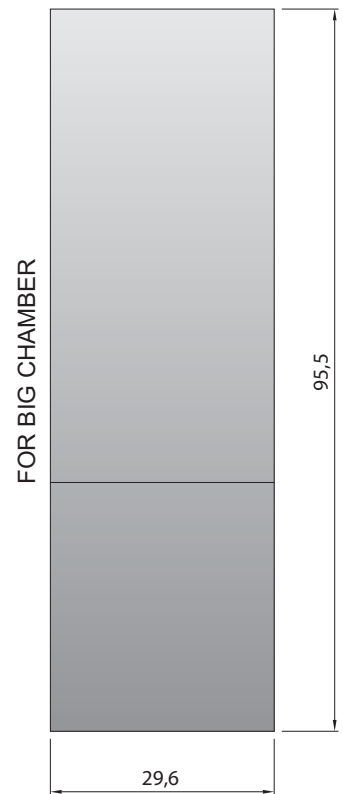
CONNECTION CORNERS FOR PROFILE - 05.1102



WDS05100

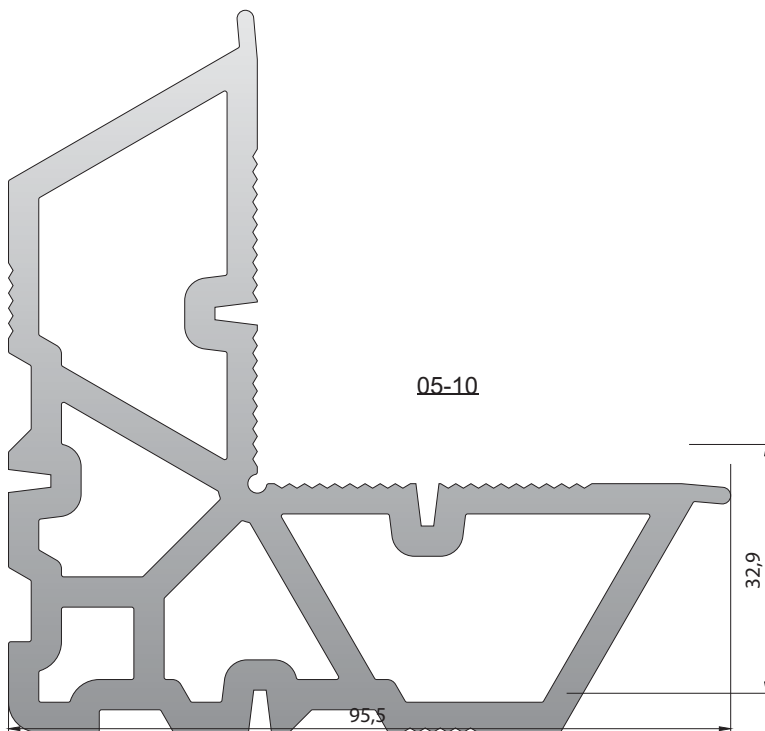
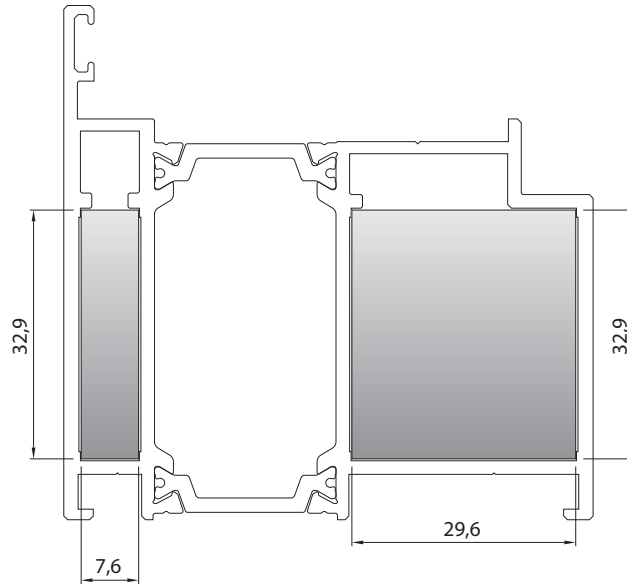


WDS05101



DETAILS

CONNECTION CORNERS FOR PROFILE - 05.1103



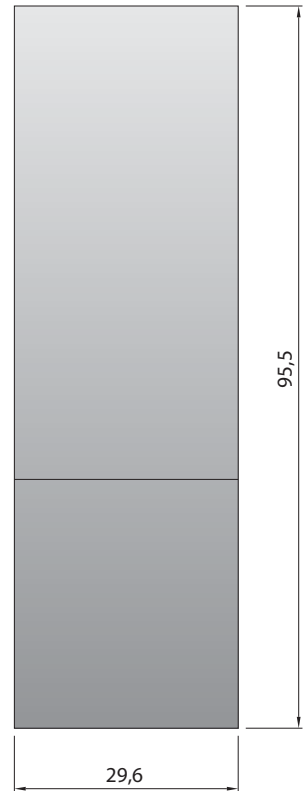
WDS05100

FOR SMALL CHAMBER



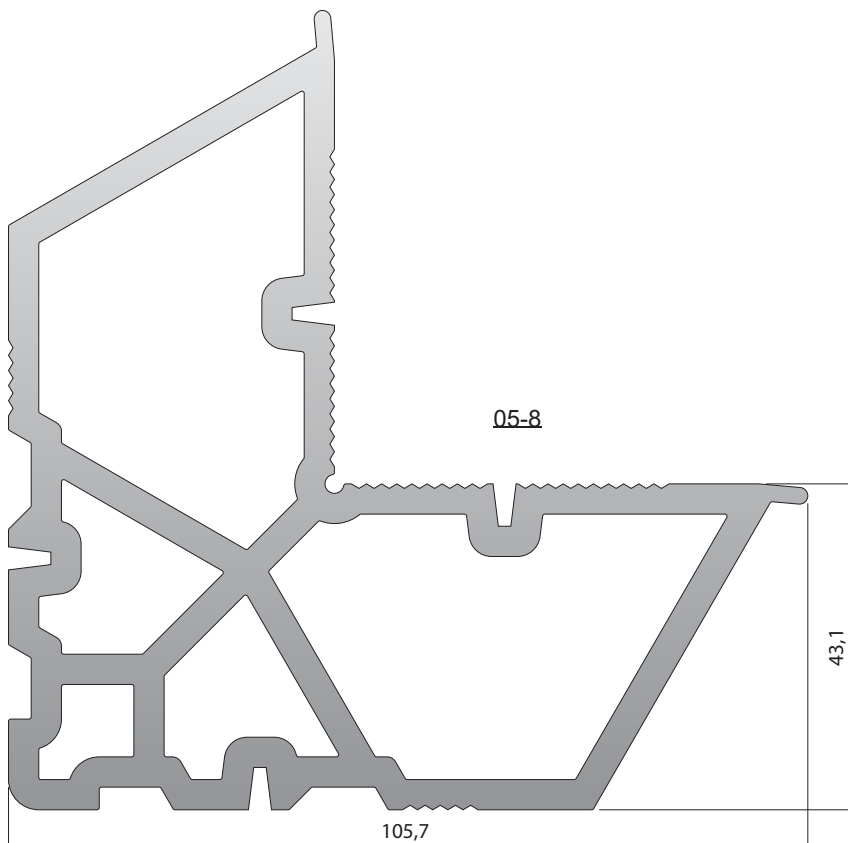
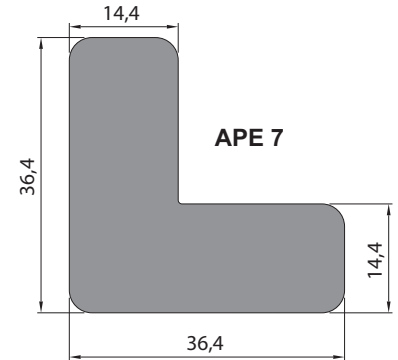
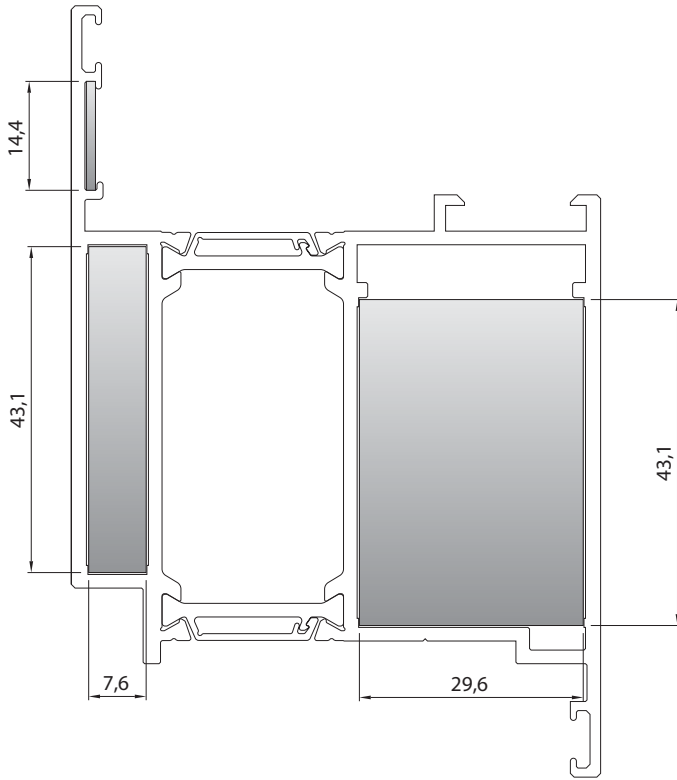
WDS05101

FOR BIG CHAMBER



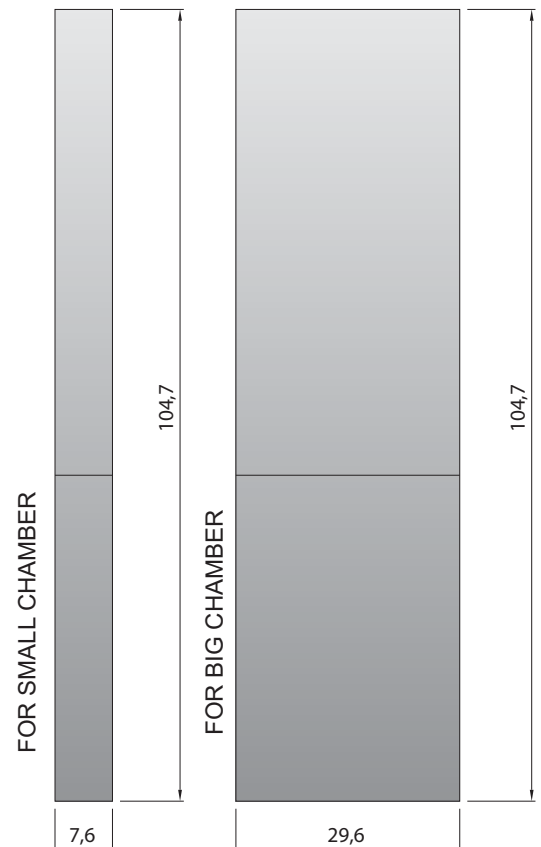
DETAILS

CONNECTION CORNERS FOR PROFILE - 05.1203



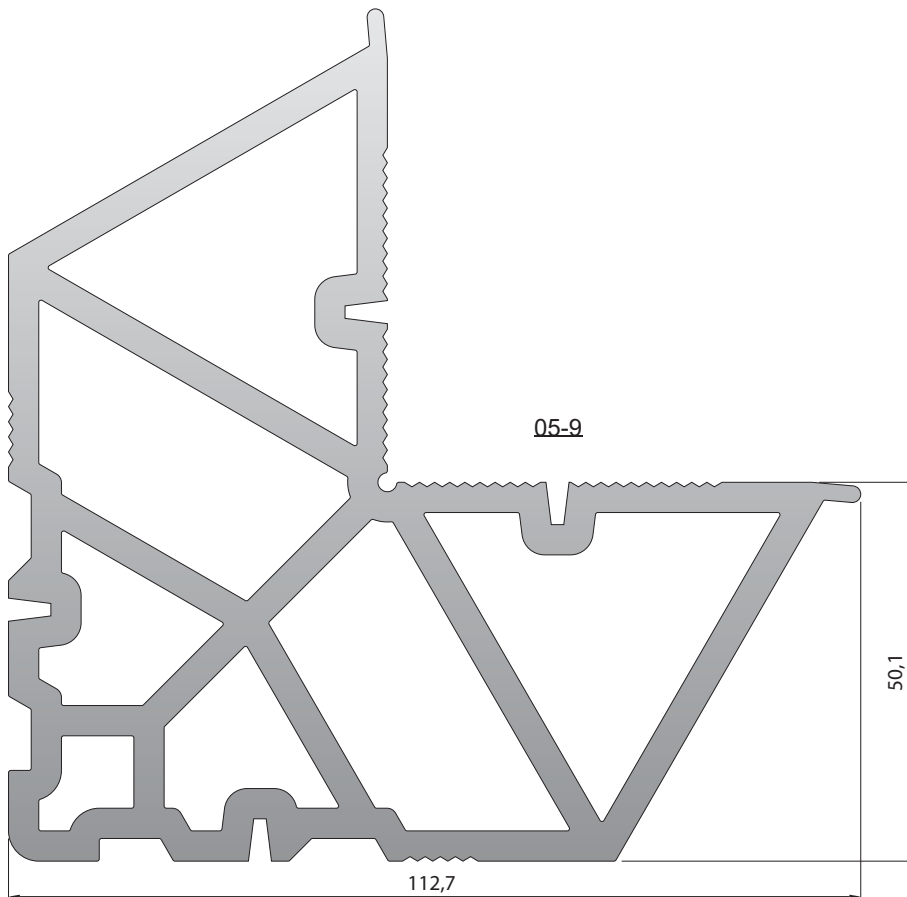
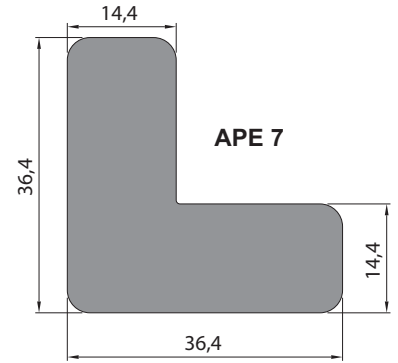
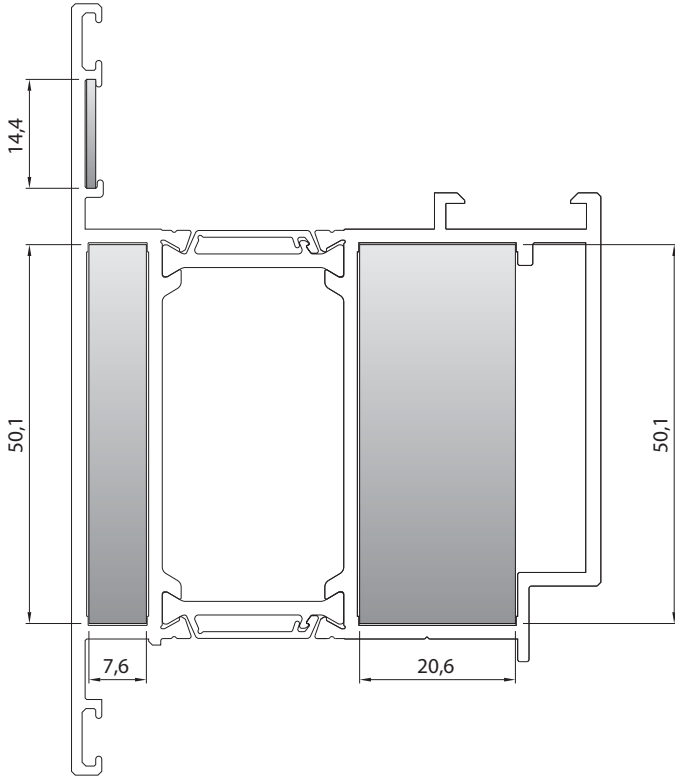
WDS05800

WDS05810



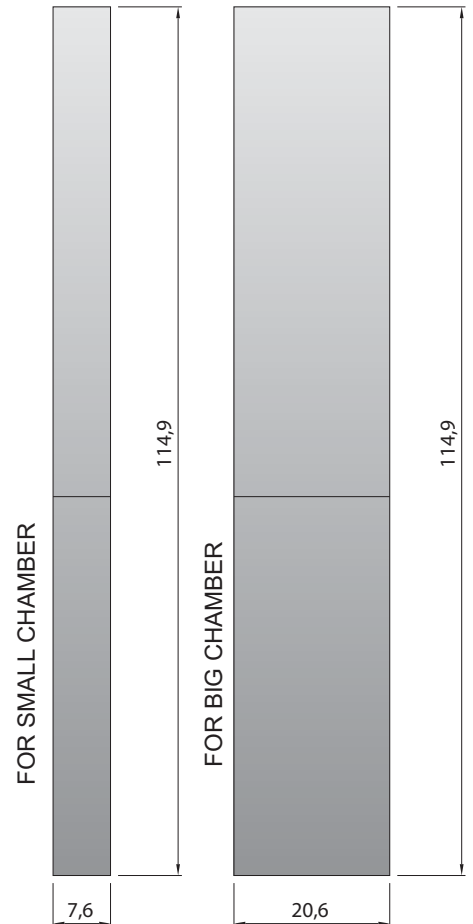
DETAILS

CONNECTION CORNERS FOR PROFILE - 05.1204



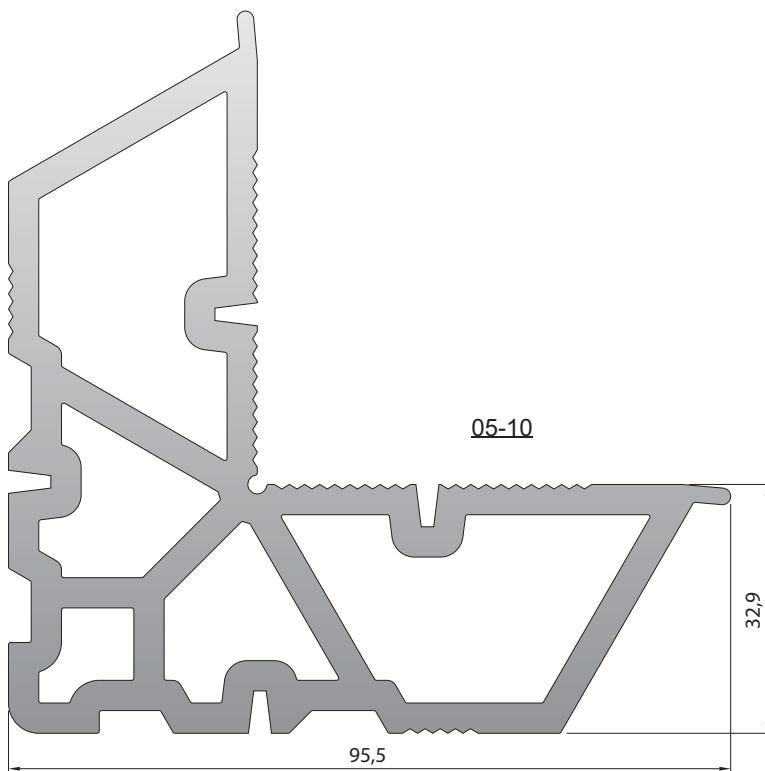
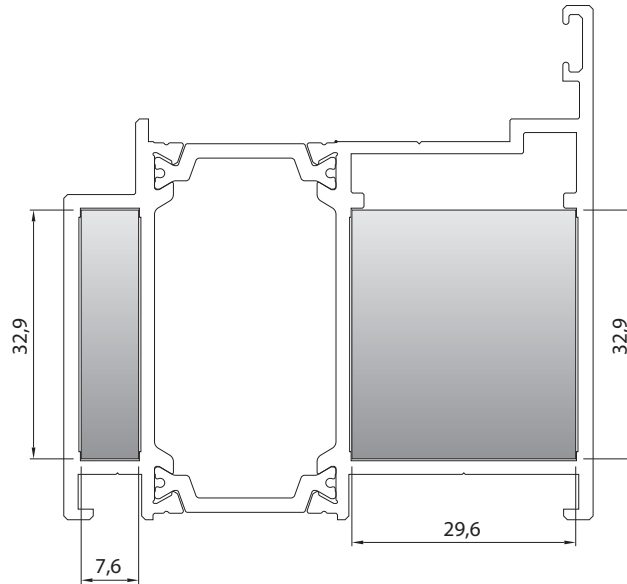
WDS05900

WDS05910



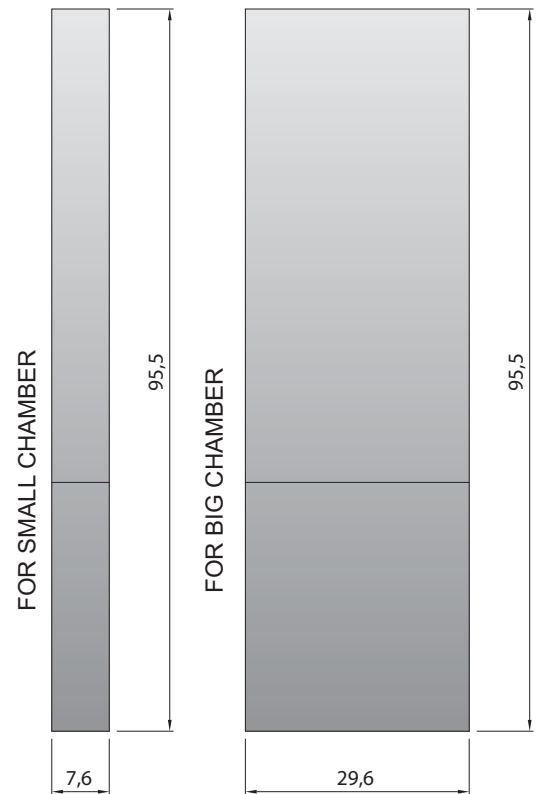
DETAILS

CONNECTION CORNERS FOR PROFILE - 05.1104

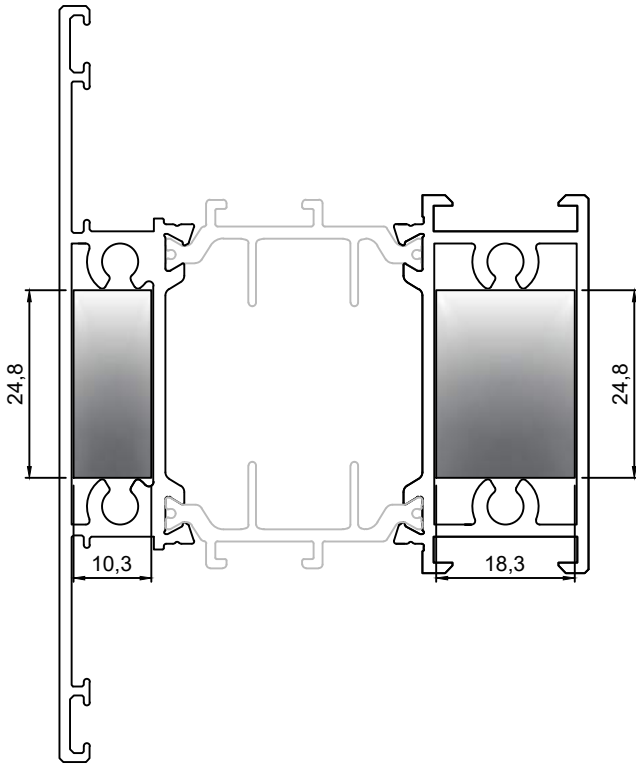


WDS05100

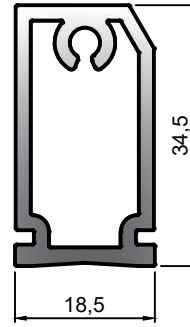
WDS05101



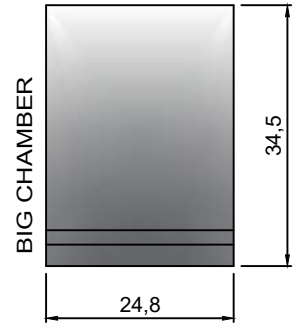
CONNECTION CORNERS FOR MULLION - 05.0301



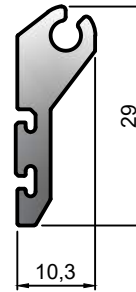
05-3



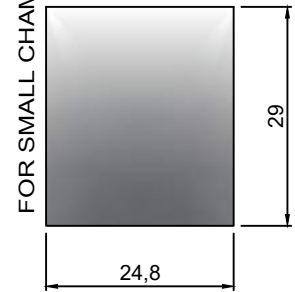
WDS05300



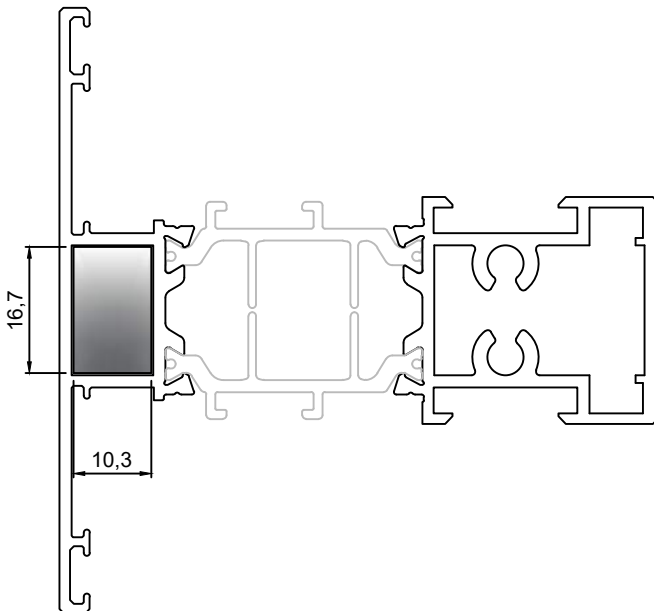
05-4



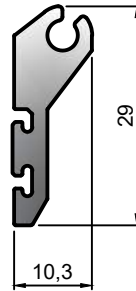
WDS05410



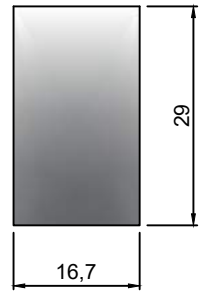
CONNECTION CORNER FOR MULLION - 05.0309



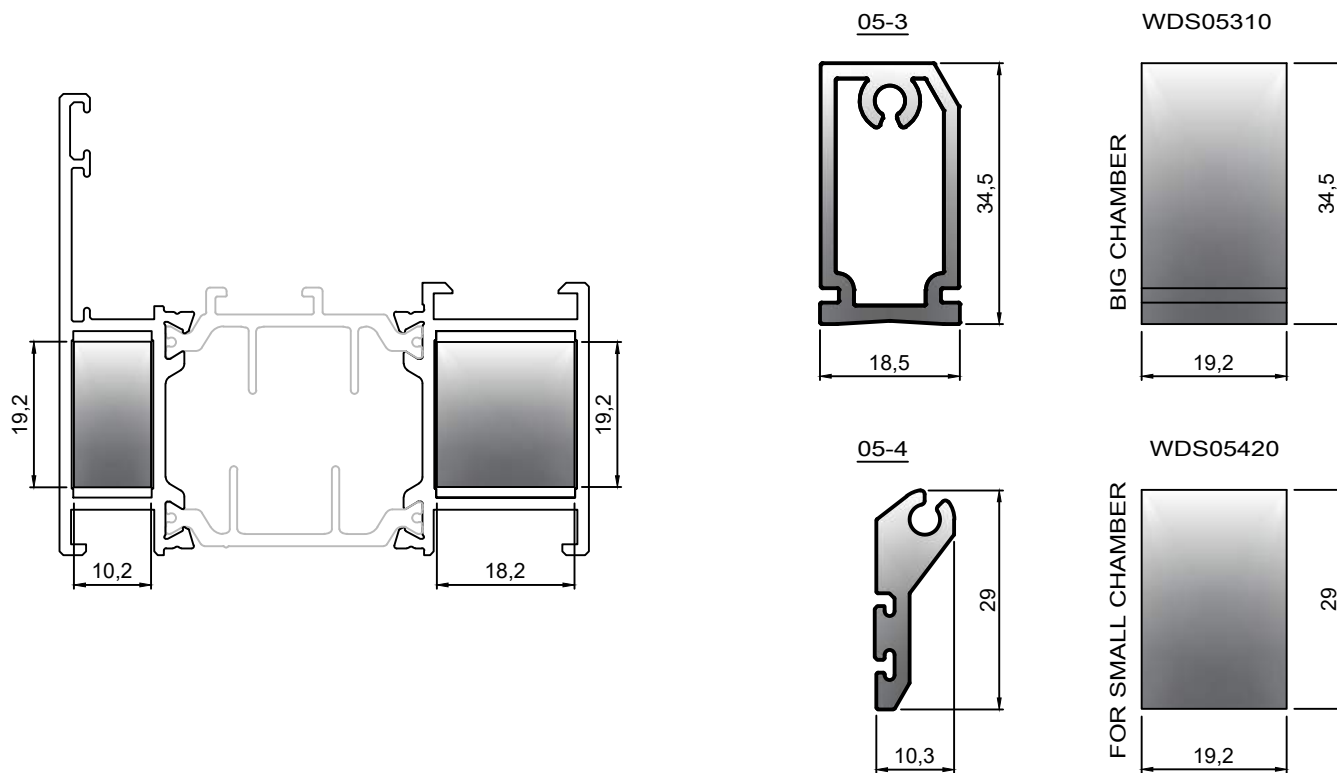
05-4



WDS05400



CONNECTING MULLIONS 05 0302 AND 05 0303 WITH FRAME 05 0101



ACCESSORIES

Gasket:
US11.5100



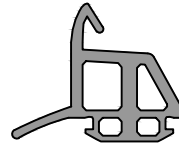
Gasket:
U2



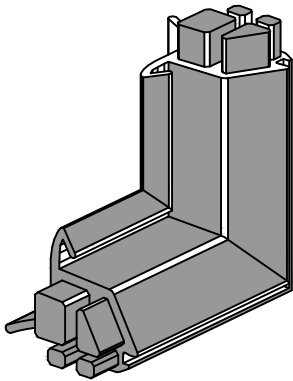
Gasket:
US11.5102



Gasket:
US11.5105



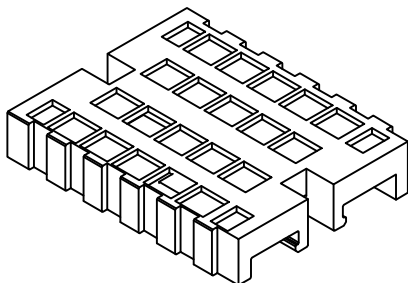
US11.5107



US11.1501

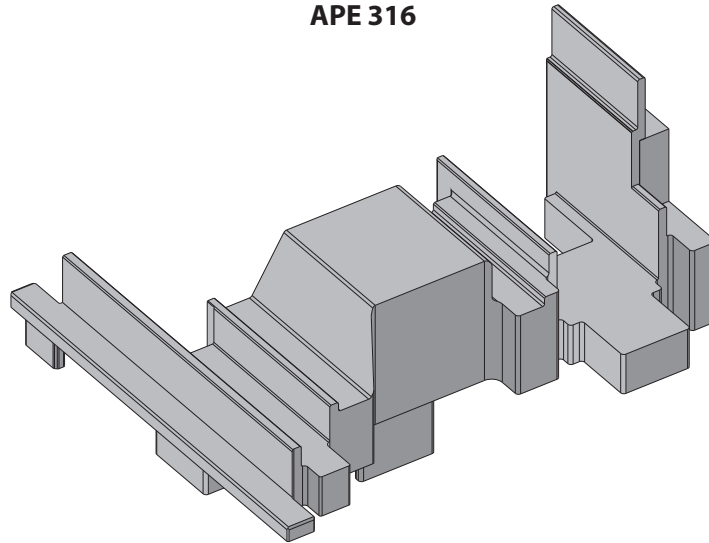


Glazing pad:
WDS141

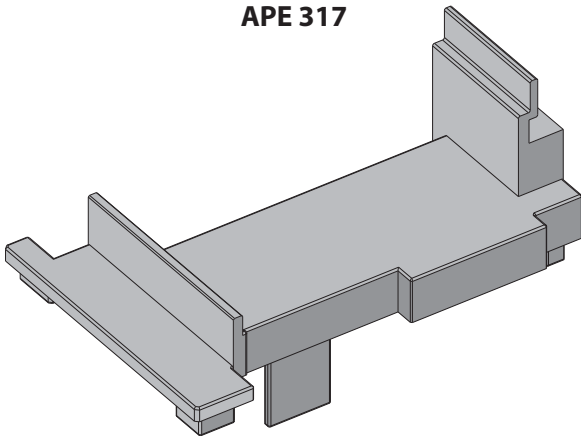


DETAILS

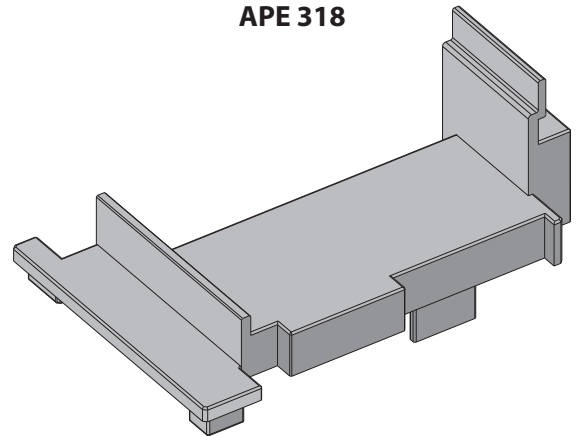
APE 316



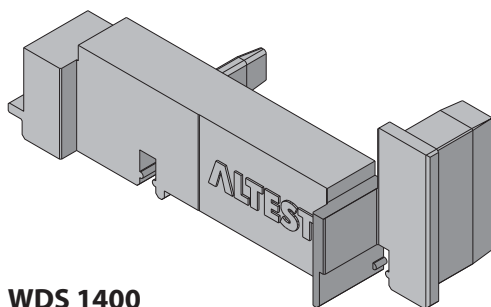
APE 317



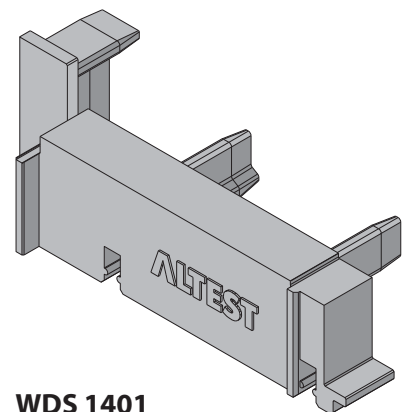
APE 318



WDS 1400






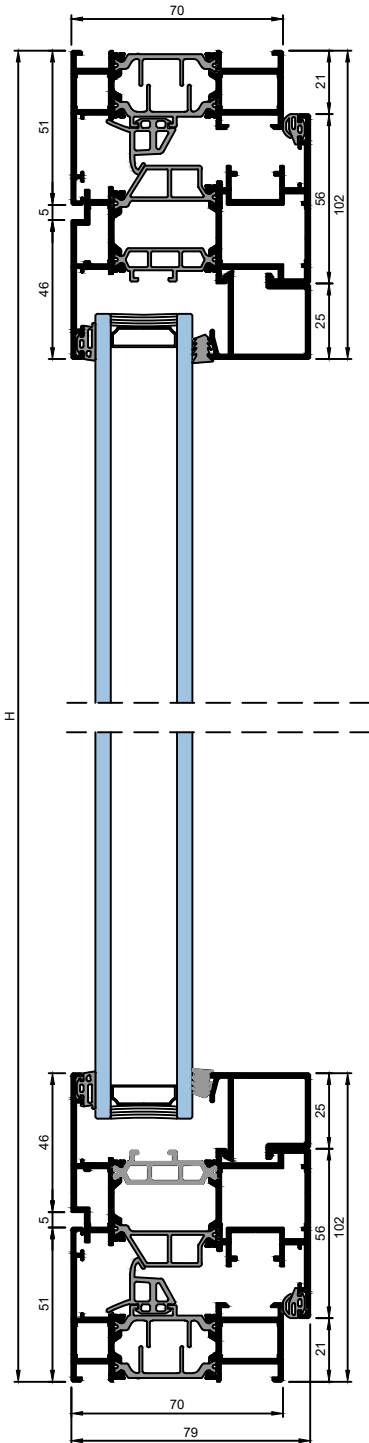
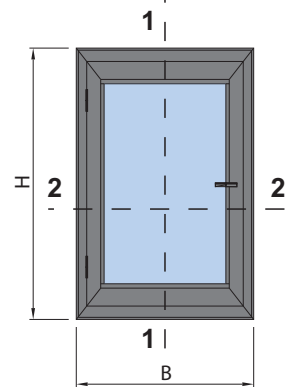
WDS 1401



SCHEMES

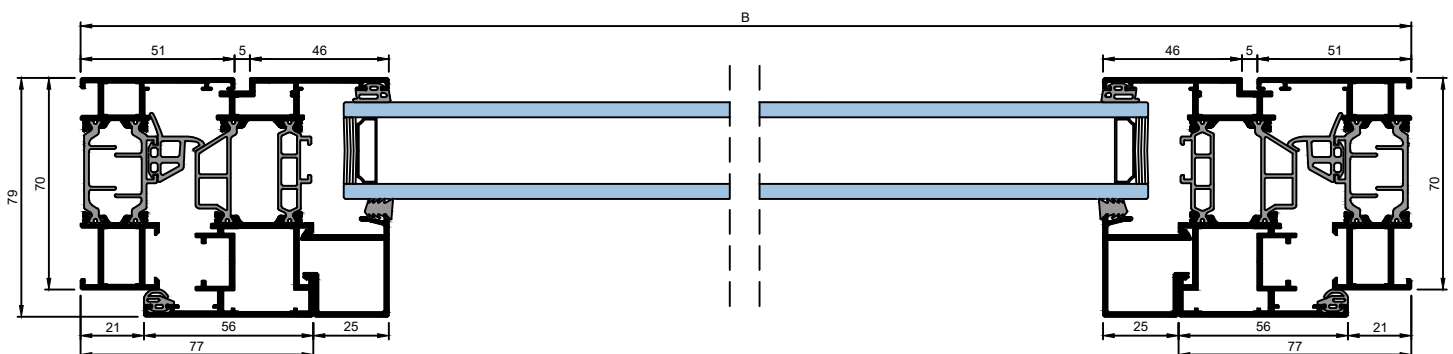
SCHEMES

FRAME	2pcs=B	
	2pcs=H	
SASH	2pcs=B-42 mm	
	2pcs=H-42mm	
For frame: 05.0100		
GLASSHOLDER	2pcs=B-154mm	
	2pcs=B-204mm	
For frame: 05.0100 Sash: 05.0205		
GLASS WIDTH	GW=B-169 mm	
GLASS HEIGHT	GH=H-169 mm	

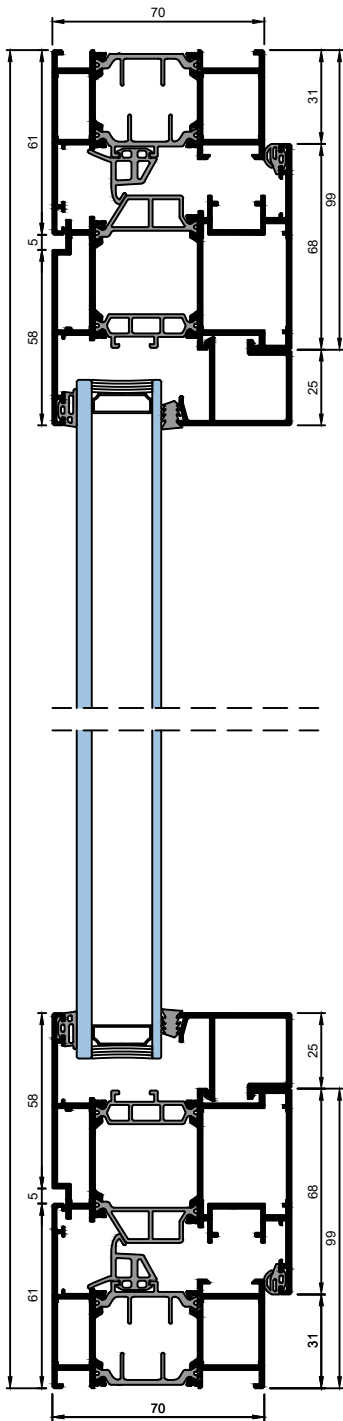


1-1

2-2

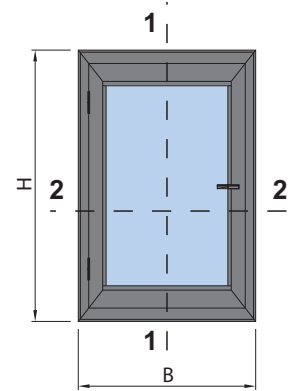


SCHEMES

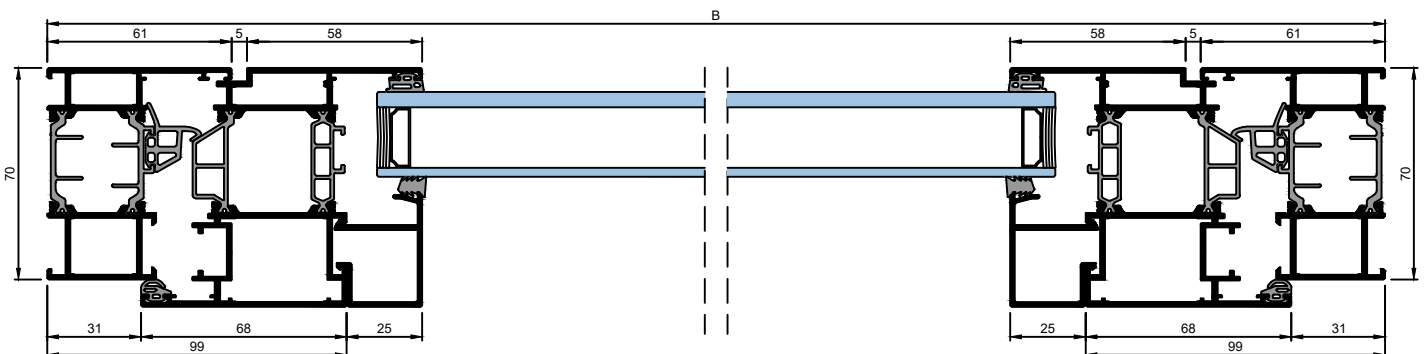


1-1

FRAME	2pcs=B	
	2pcs=H	
SASH	2pcs=B-62 mm	
	2pcs=H-62mm	
For frame: 05.0101		
GLASSHOLDER	2pcs=B-198mm	
	2pcs=H-248mm	
For frame: 05.0101 Sash: 05.0211		
GLASS WIDTH	GW=B-213mm	
GLASS HEIGHT	GH=H-213 mm	

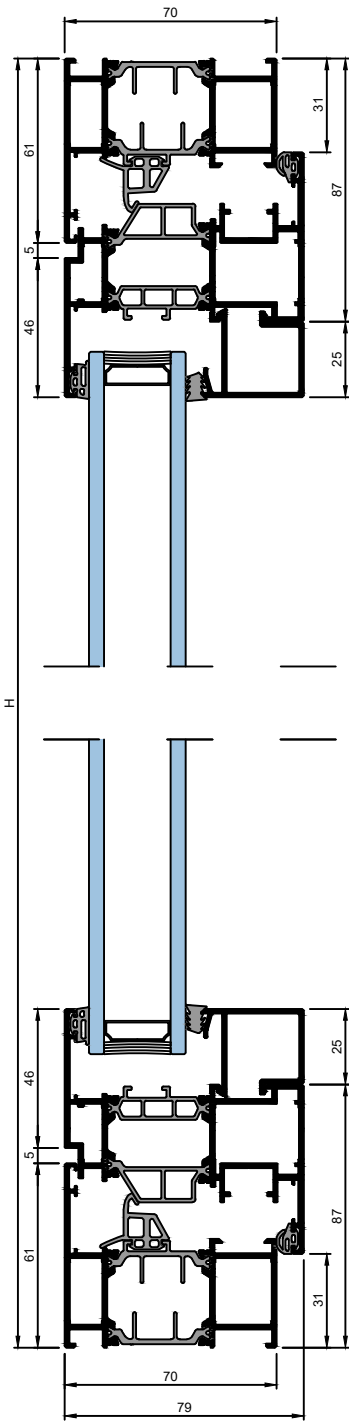
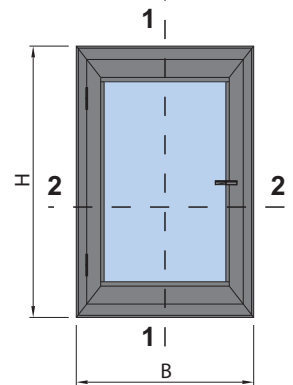


2-2



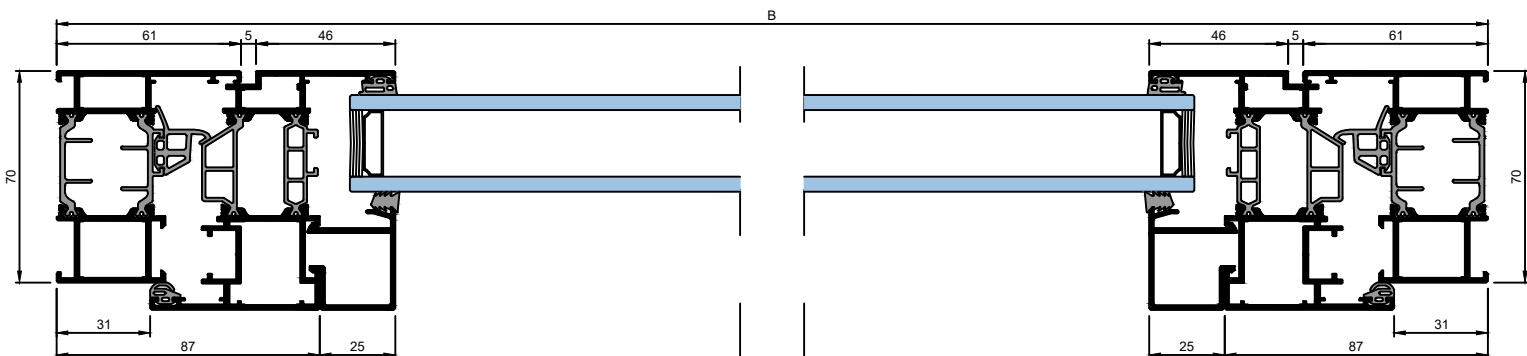
SCHEMES

FRAME	2pcs=B	
	2pcs=H	
SASH	2pcs=B-62 mm	
	2pcs=H-62mm	
For frame: 05.0101		
GLASSHOLDER	2pcs=B-174mm	
	2pcs=H-224mm	
For frame: 05.0101 Sash: 05.0205		
GLASS WIDTH	GW=B-189 mm	
GLASS HEIGHT	GH=H-189 mm	

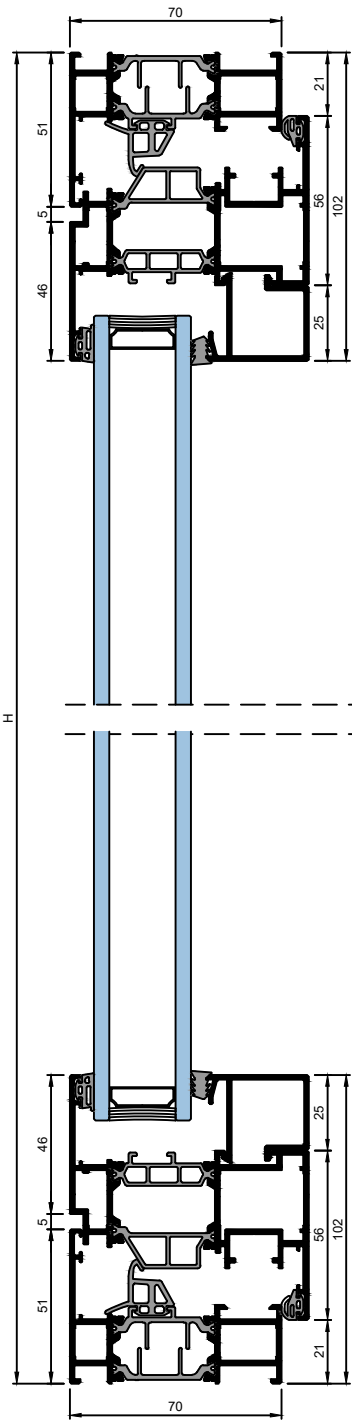






1-1

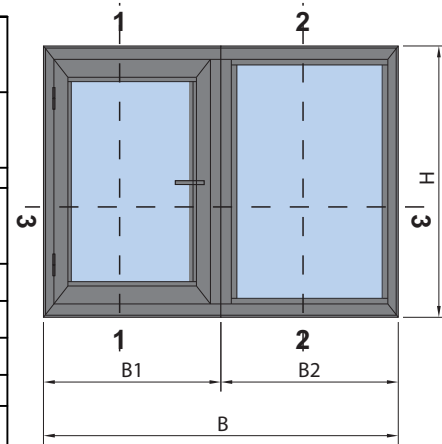
2-2



SCHEMES

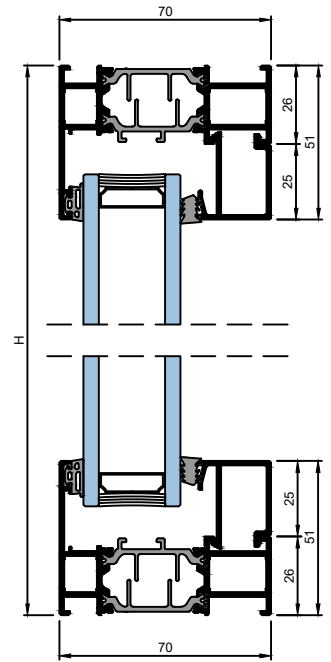


FRAME	2pcs=B	
	2pcs=H	
SASH only for 05.0205*	2pcs=B1-31 mm	
	2pcs=H-42mm	
For frame: 05.0100		
GLASSHOLDERS	2pcs=B1-143mm	
	2pcs=H-204mm	
	2pcs=B2-41mm	
	2pcs=H-102mm	
For frame: 05.0100		
MULLION	1pcs=H-52mm	
For frame: 05.0100 Sash: 05.0205		
GLASS WIDTH	GW ₁ =B ₁ -158 mm; GW ₂ =B ₂ -56 mm	
GLASS HEIGHT	GH=H-169 mm	

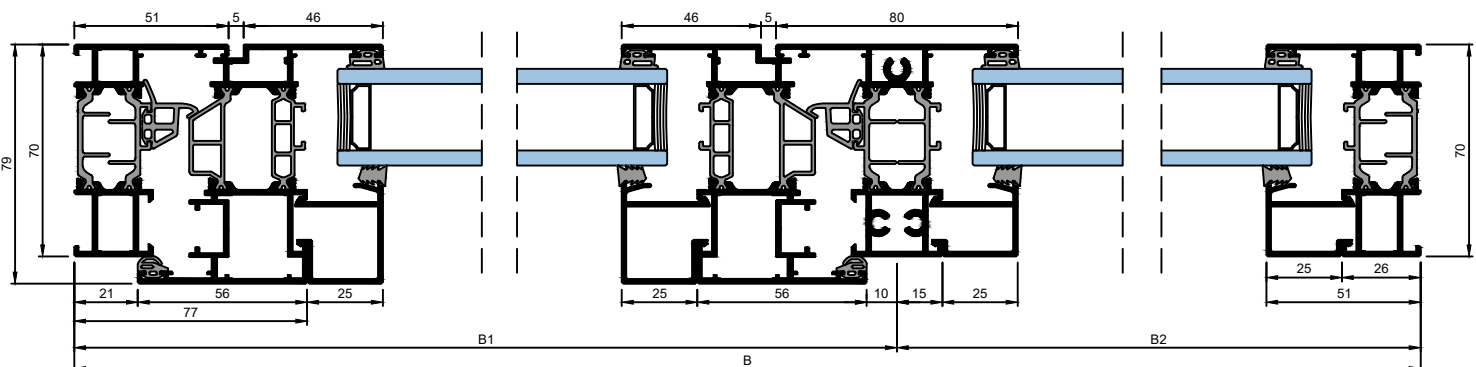


1-1

2-2

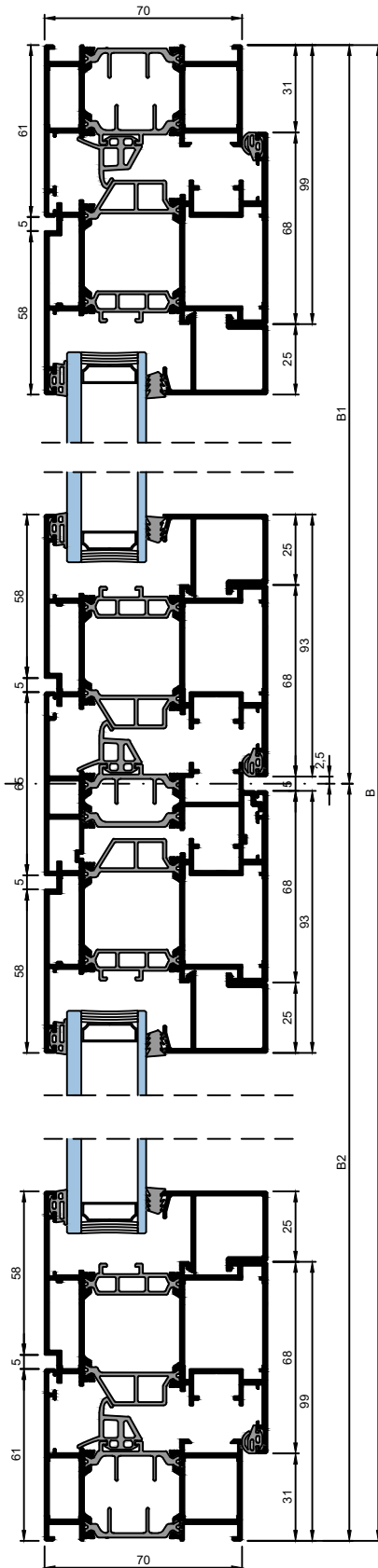


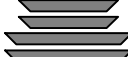
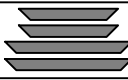
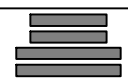
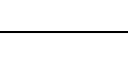
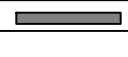
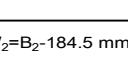
3-3

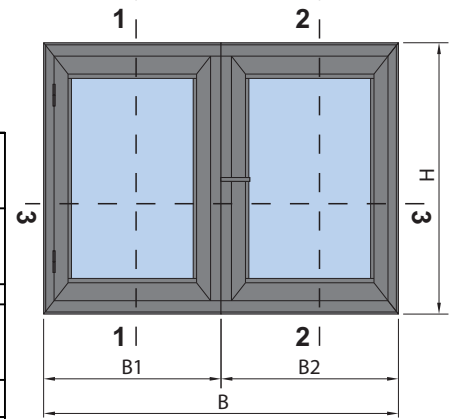


SCHEMES

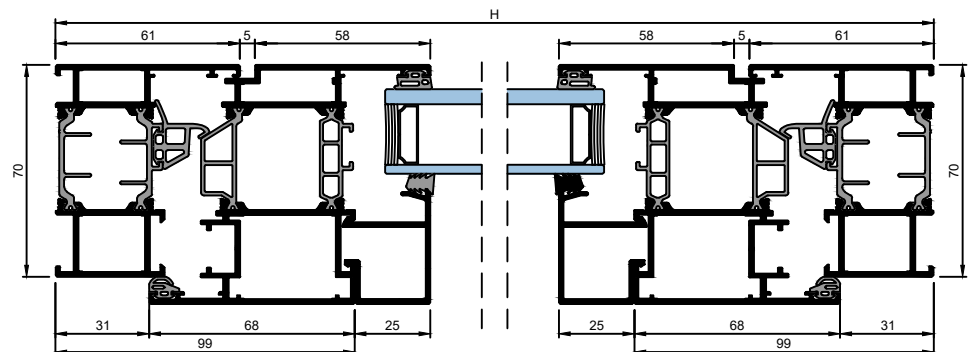
3-3



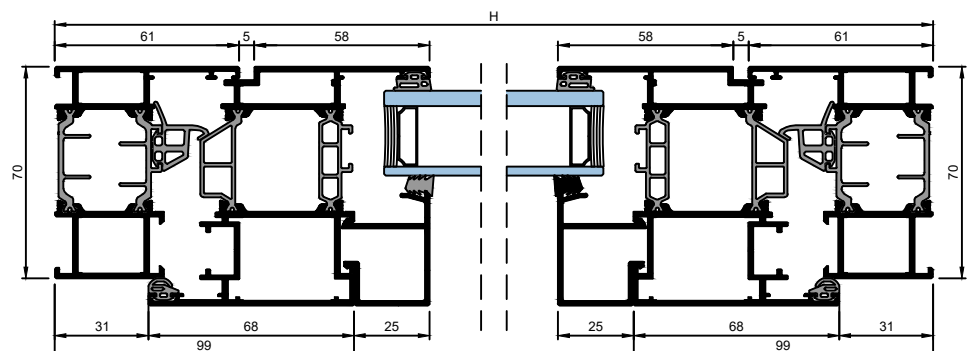
FRAME	2pcs=B	
	2pcs=H	
SASH	2pcs=B1-33.5mm	
	2pcs=B2-33.5mm	
only for 05.0211*		
4pcs=H-62mm		
For frame: 05.0101		
GLASSHOLDERS	2pcs=B1-169,5mm	
	4pcs=H-248mm	
		
2pcs=B2-169,5mm		
For frame: 05.0101		
OVERHUNG	1pcs=H-131,6mm	
For frame: 05.0101 Sash: 05.0211		
GLASS WIDTH	GW ₁ =B ₁ -184.5 mm; GW ₂ =B ₂ -184.5 mm	
GLASS HEIGHT	GH=H-213 mm	







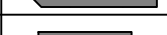
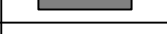
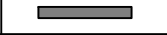
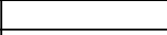
1-1

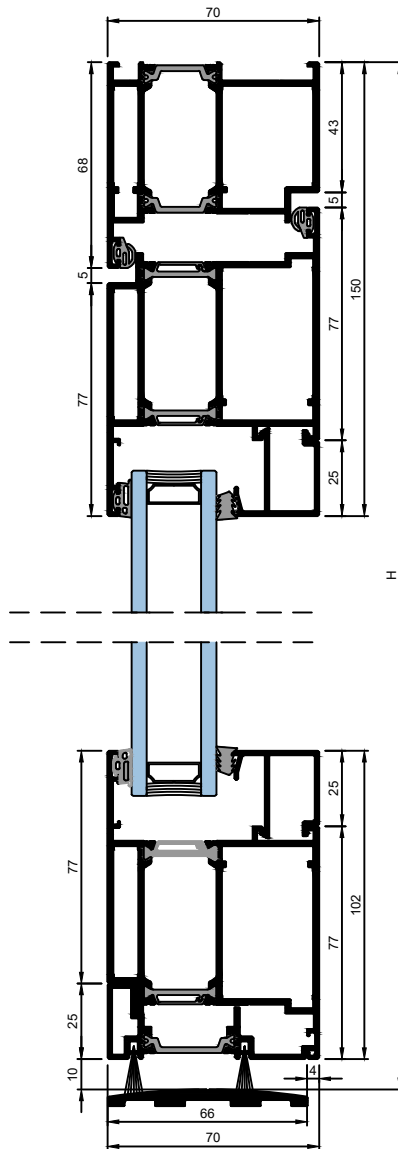
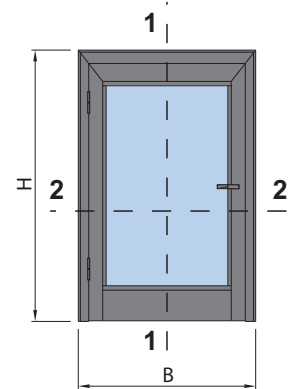


2-2



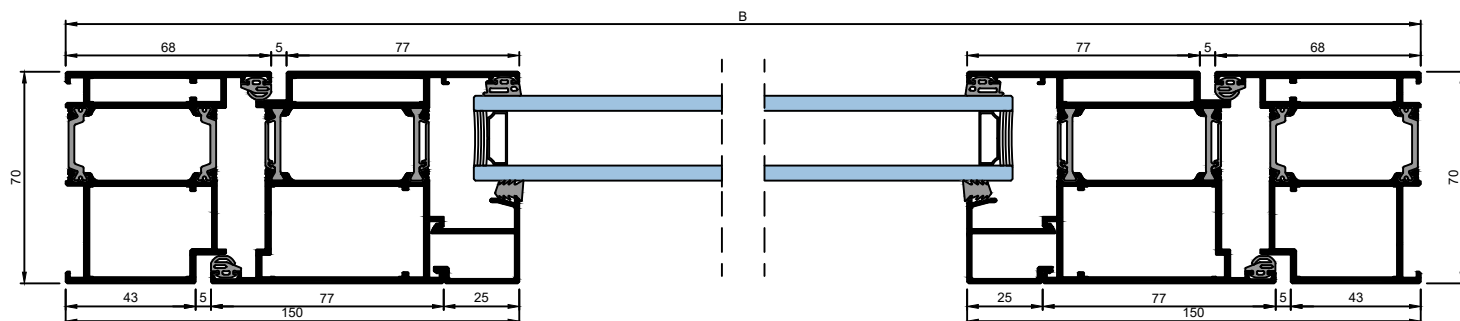
SCHEMES

FRAME	1pcs=B	
	2pcs=H	
SASH	1pcs=B-96 mm	
	2pcs=H-58mm	
ADD ON	1pcs=B-150mm	
KICKPLATE	1pcs=B-106mm	
For sash: 05.1203	For kickplate: 05 1410	
GLASSHOLDER	2pcs=B-250mm	
	2pcs=H-262mm	
GLASS	Glass width=B-265mm	
	Glass height=H-227mm	



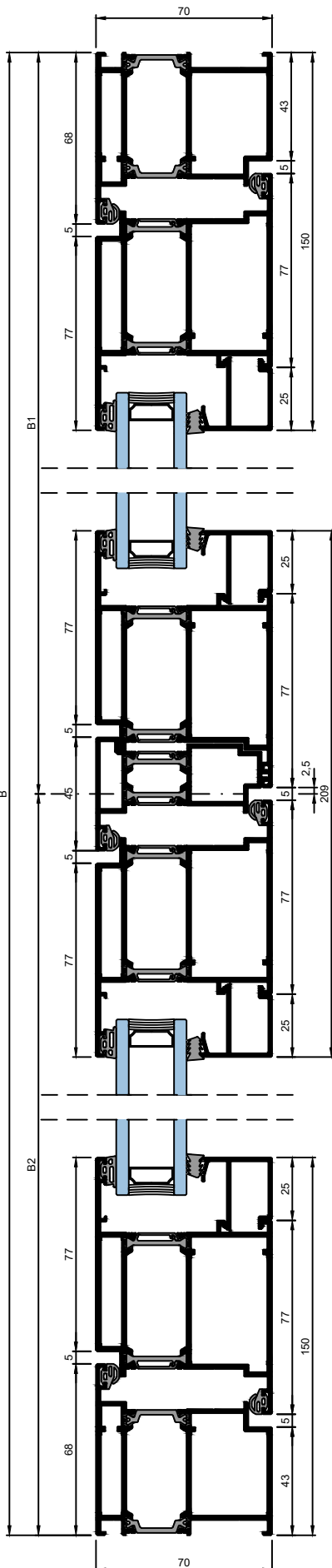
1-1











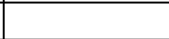
2-2

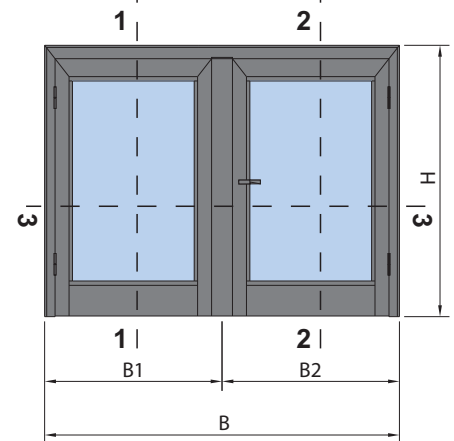


SCHEMES

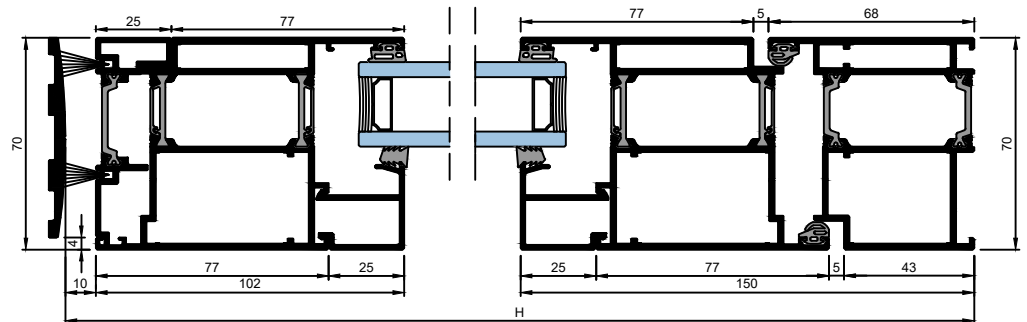
3-3



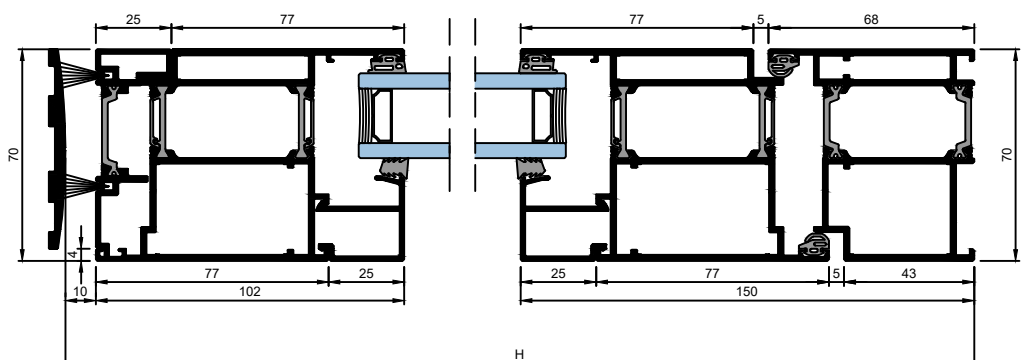
FRAME	1pcs=B	
	2pcs=H	
SASH *only for 05 1203	2pcs=B1-50,5mm	
	2pcs=B2-50,5mm	
	4pcs=H-58mm	
ADD ON	1pcs=B1-104,5mm	
	1pcs=B2-104,5mm	
KICKPLATE *only for 05 1410	1pcs=B-106mm	
GLASSHOLDERS	2pcs=B1-204,5mm	
	4pcs=H-262mm	
	2pcs=B2-204,5mm	
GLASS WIDTH	GW ₁ =B ₁ -219,5 mm; GW ₂ =B ₂ -219,5 mm	
GLASS HEIGHT	GH=H-227 mm	



1-1



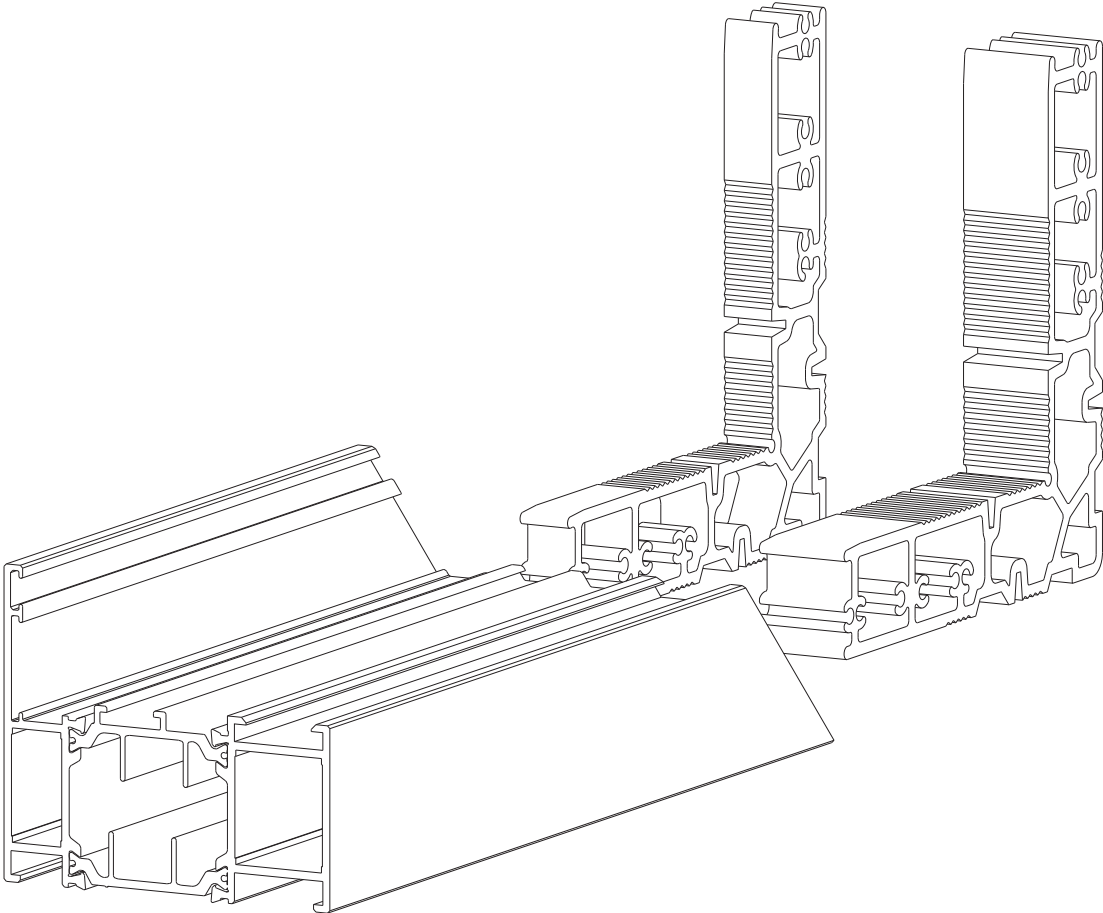
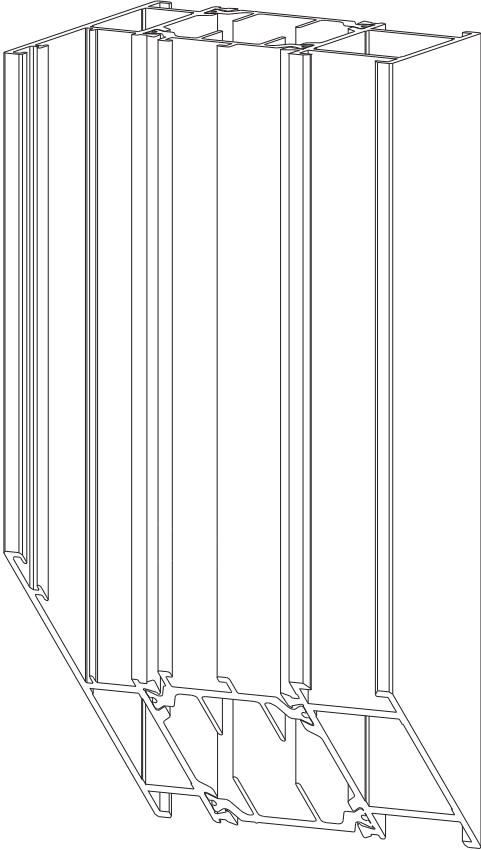
2-2



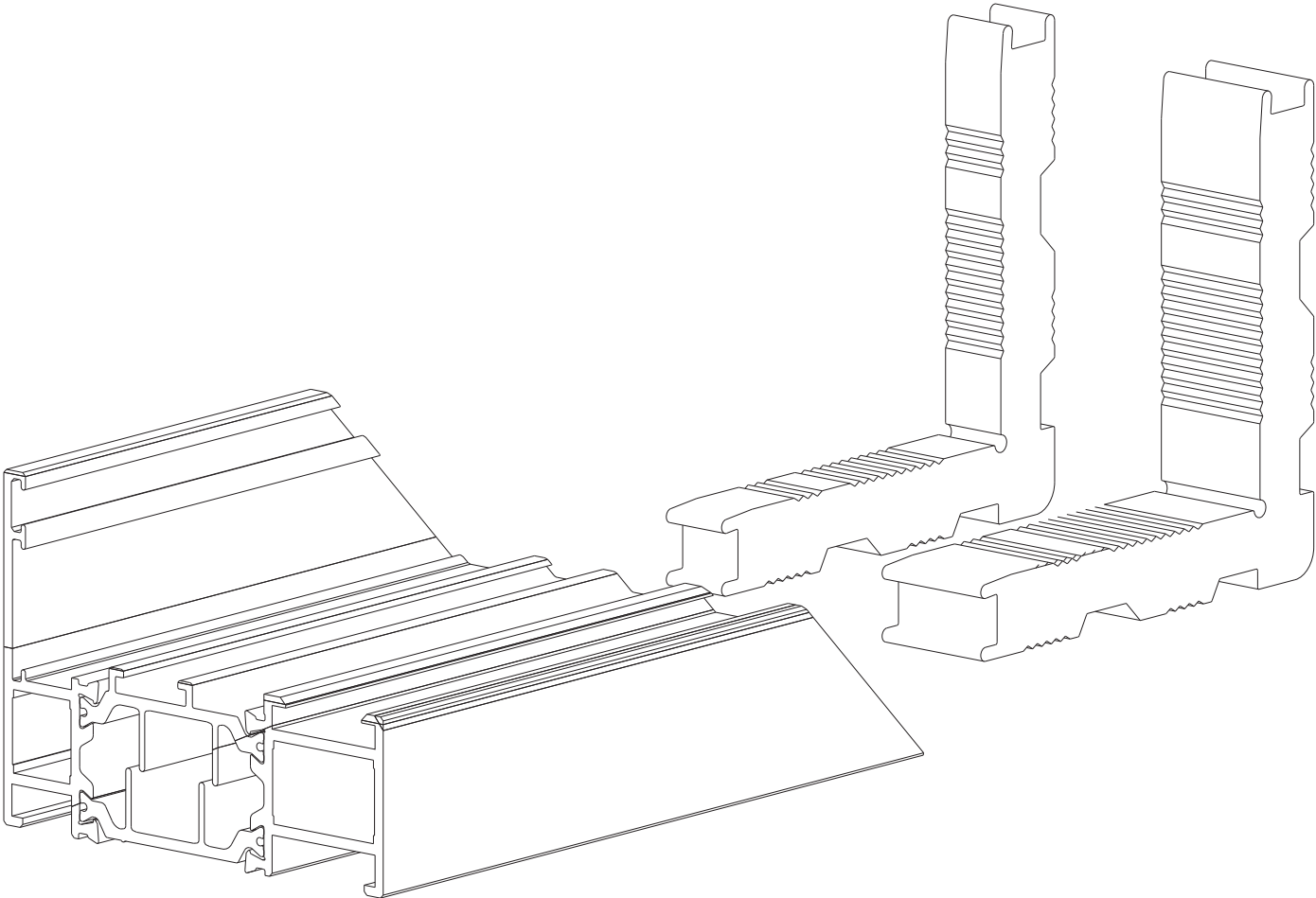
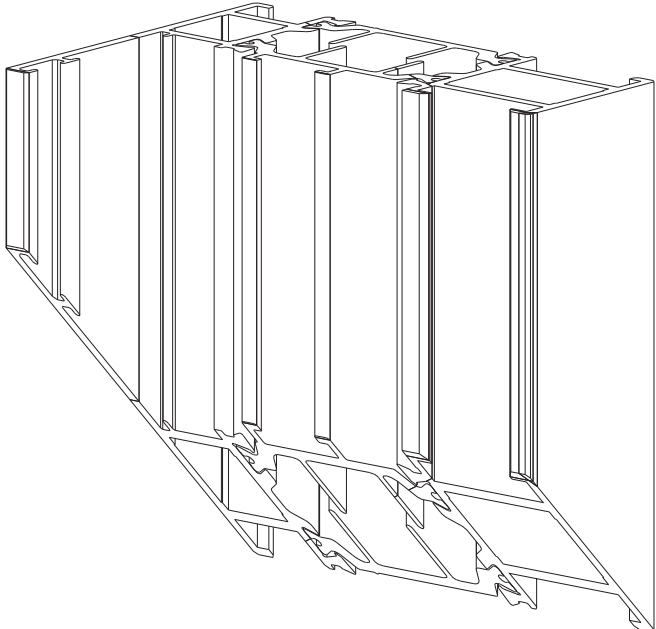
THREE DIMENSIONS DETAILS

THREE DIMENSIONS DETAILS

CONNECTION FRAME 05 0100

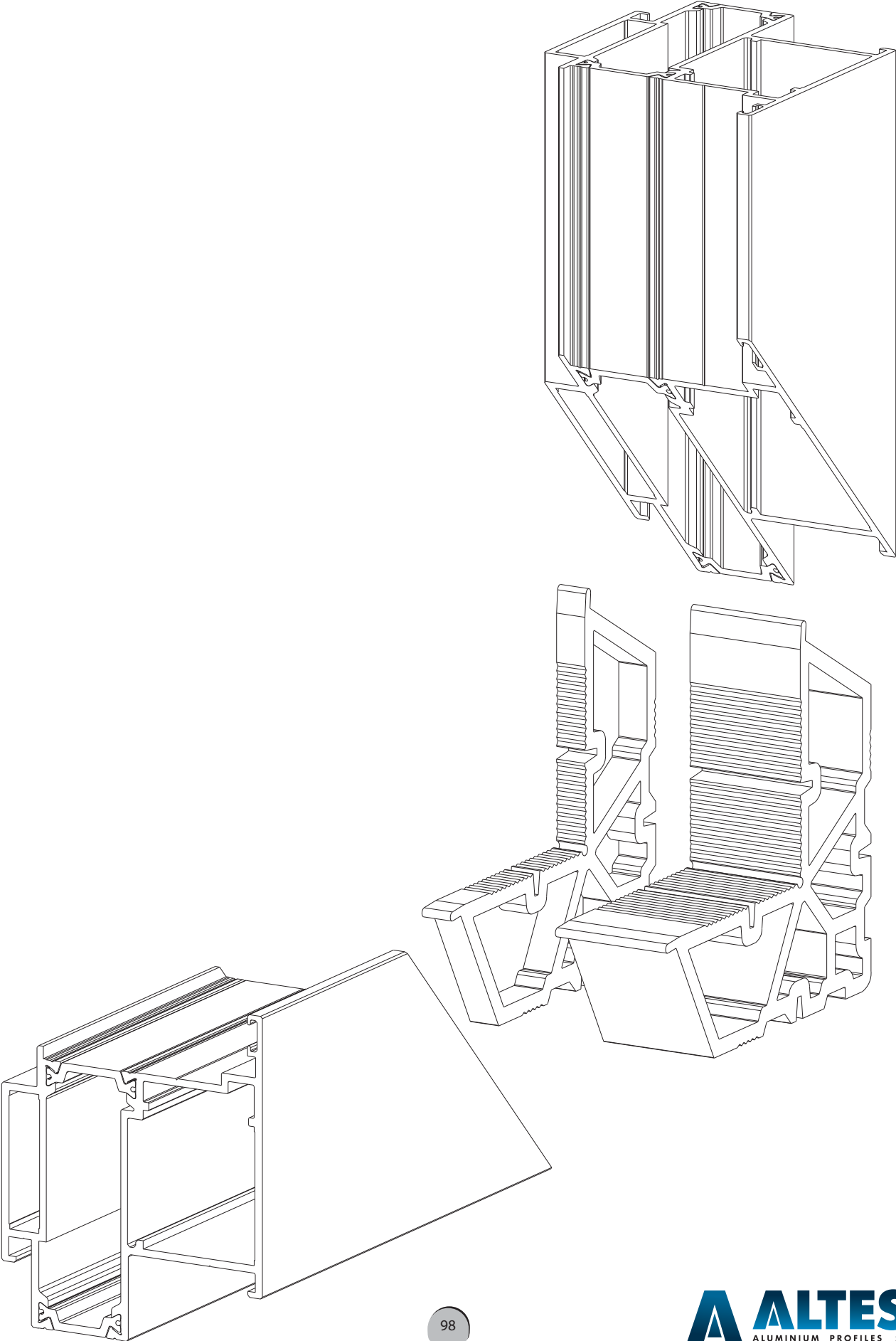


THREE DIMENSIONS DETAILS
CONNECTION FRAME 05 0101

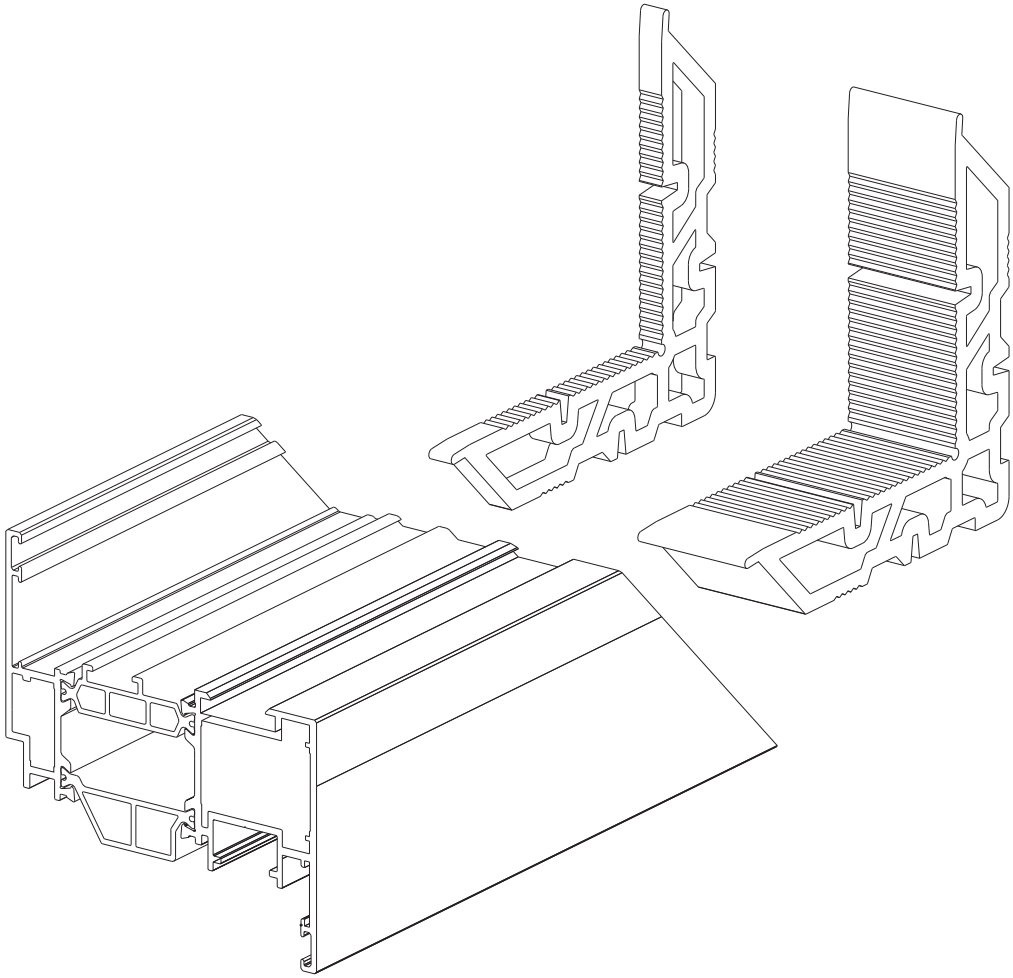
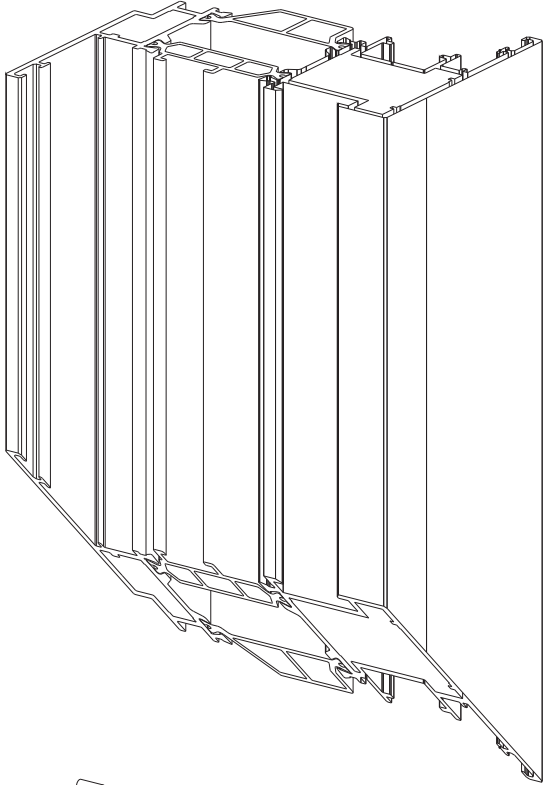


THREE DIMENSIONS DETAILS

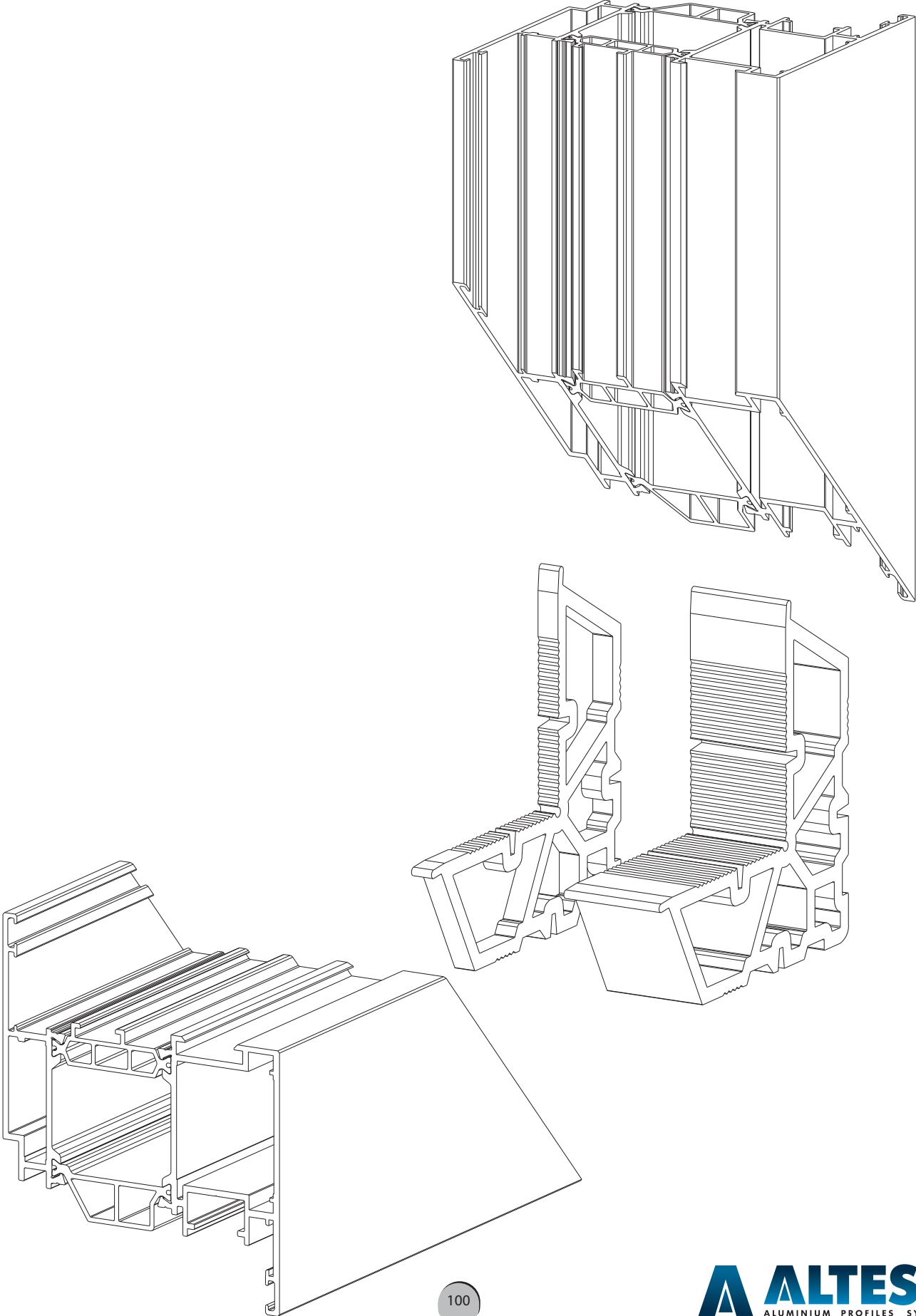
CONNECTION FRAME 05 0102



THREE DIMENSIONS DETAILS
CONNECTION SASH 05 0205

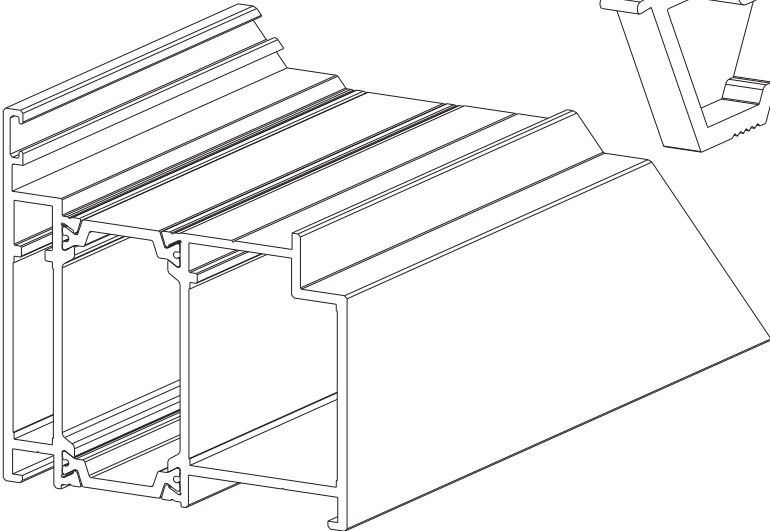
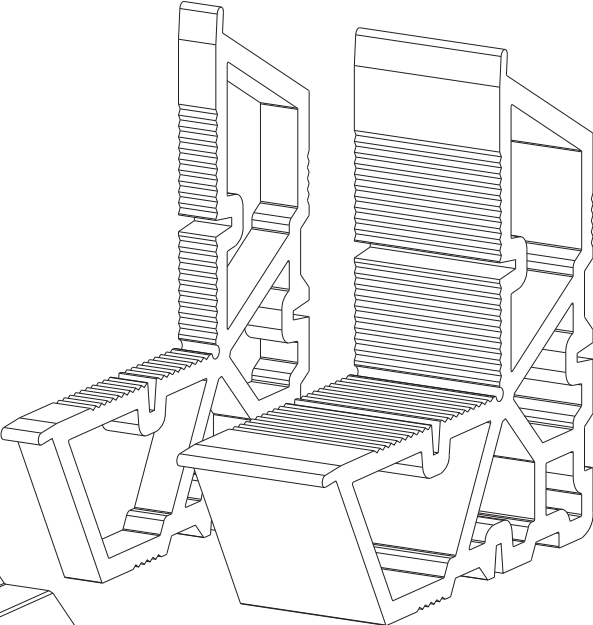
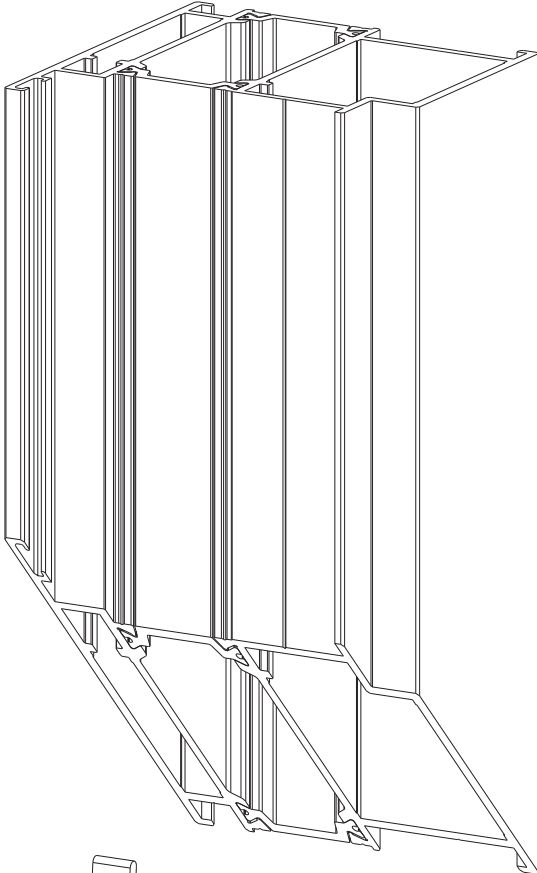


THREE DIMENSIONS DETAILS
CONNECTION SASH 05 0211



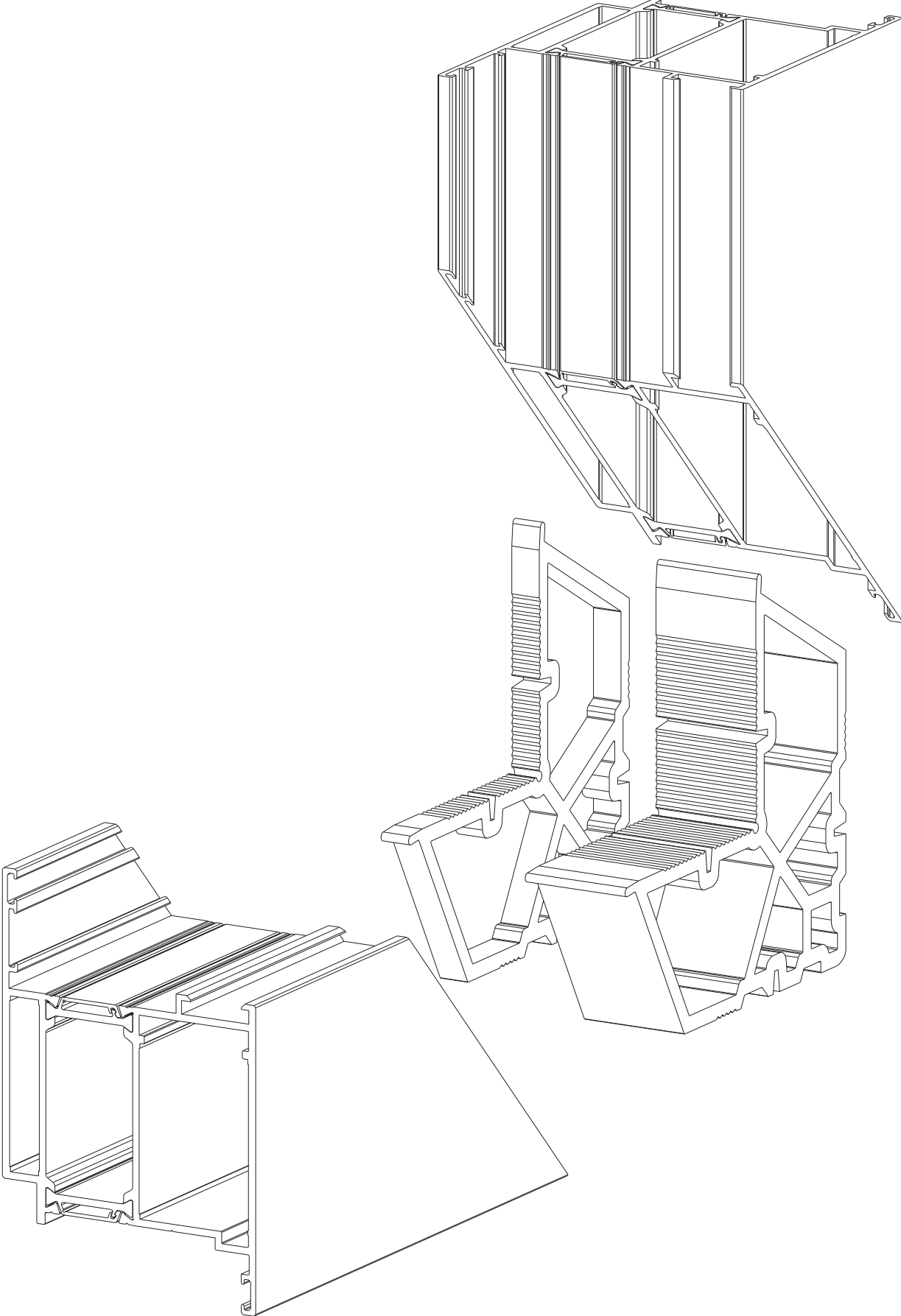
THREE DIMENSIONS DETAILS

CONNECTION FRAME 05 1103



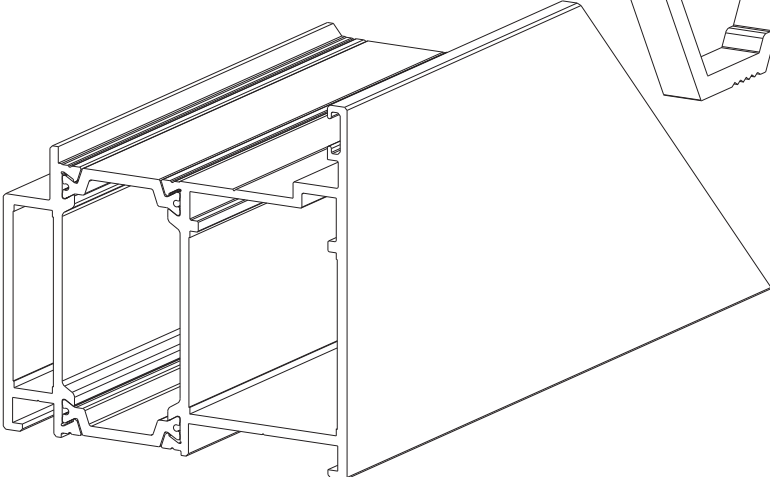
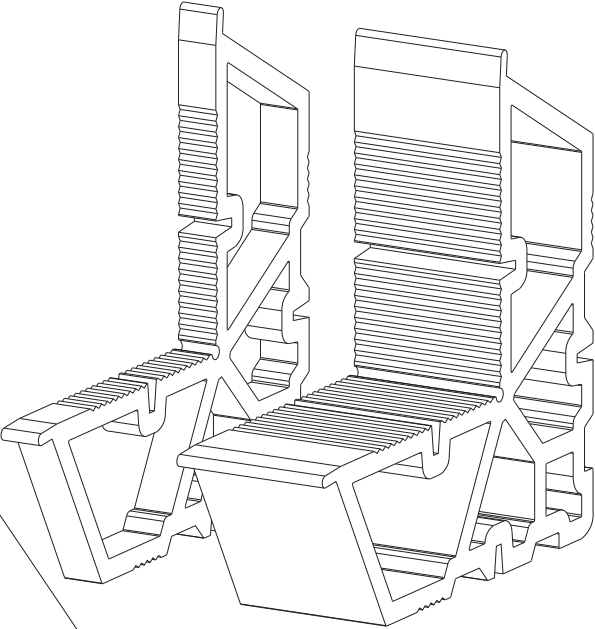
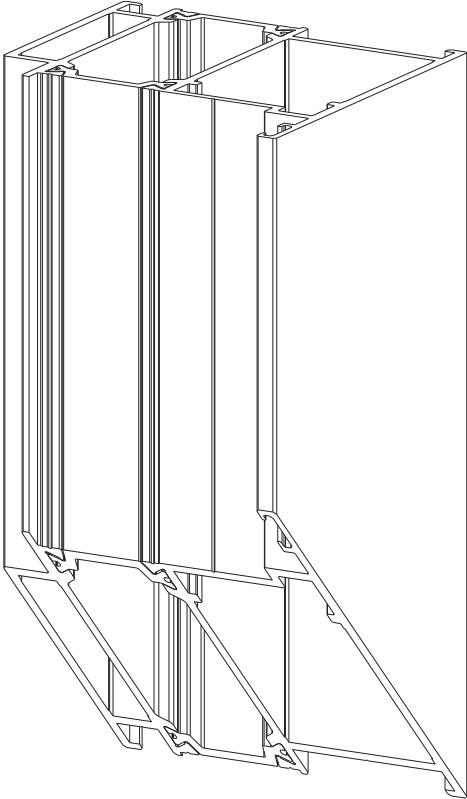
THREE DIMENSIONS DETAILS

CONNECTION SASH 05 1203



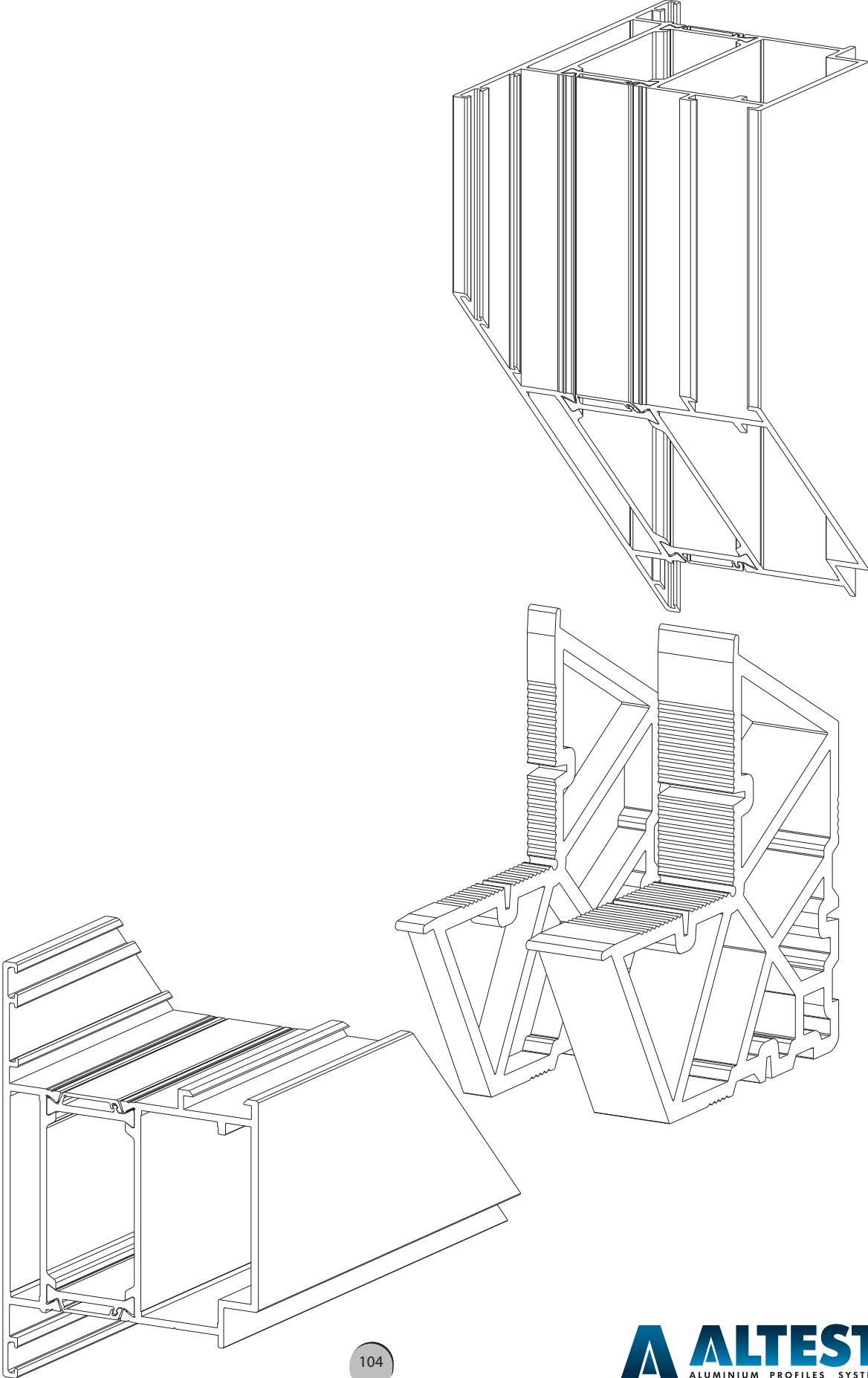
THREE DIMENSIONS DETAILS

CONNECTION FRAME 05 1104

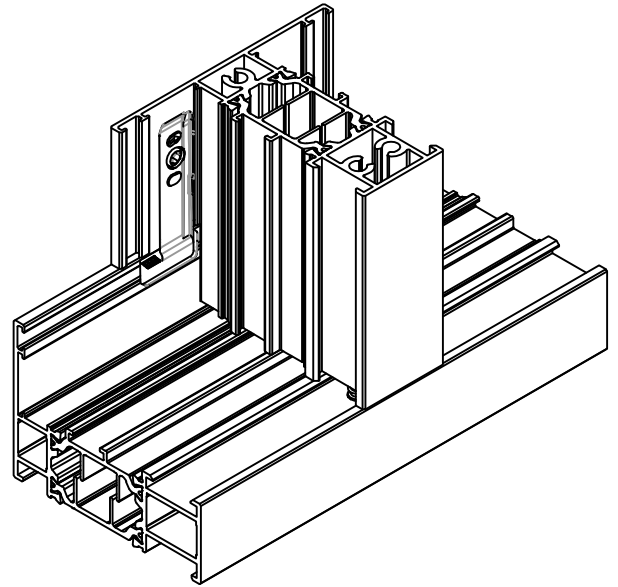
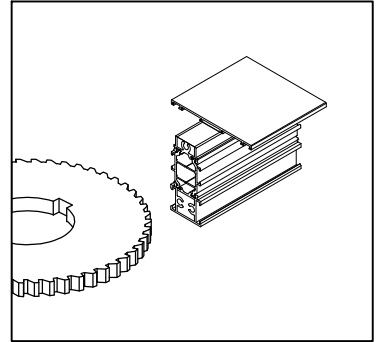
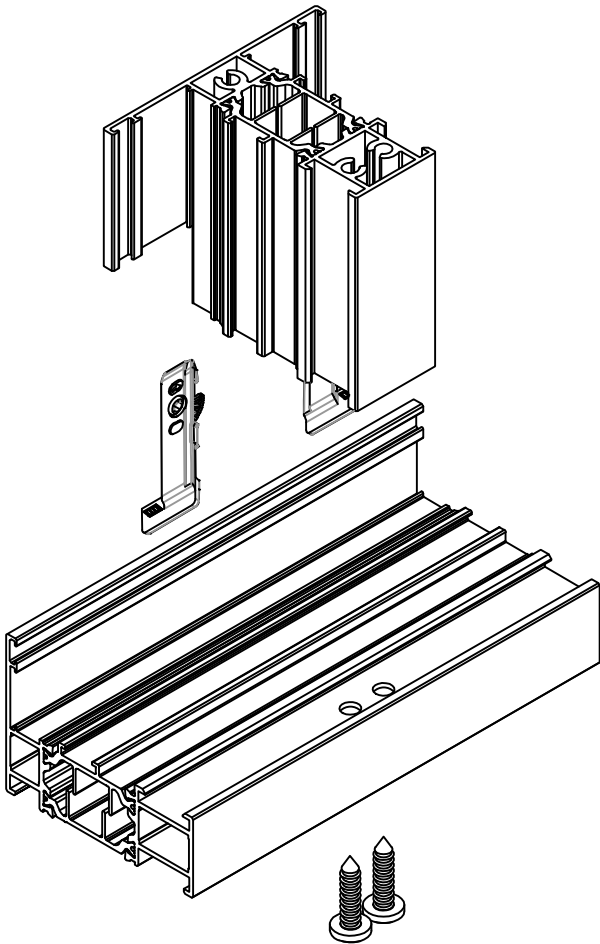


THREE DIMENSIONS DETAILS

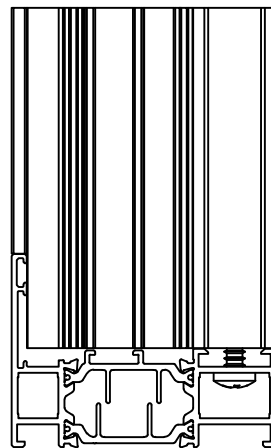
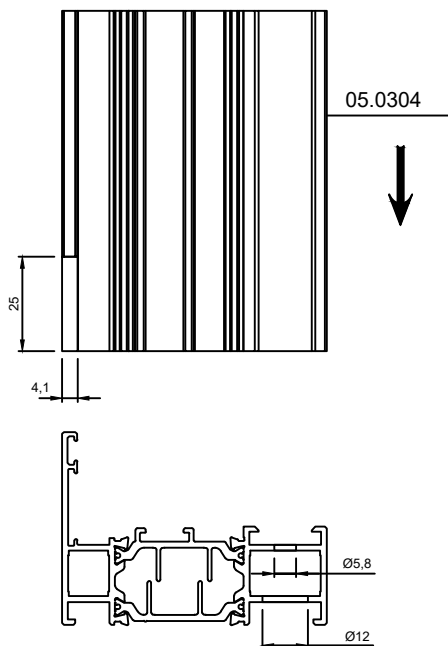
CONNECTION SASH 05 1204



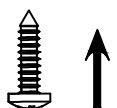
CONNENCTION "T" PROFILE 05.0304 WITH FRAME 05.0100
AND CUTTING OF "T" PROFILE



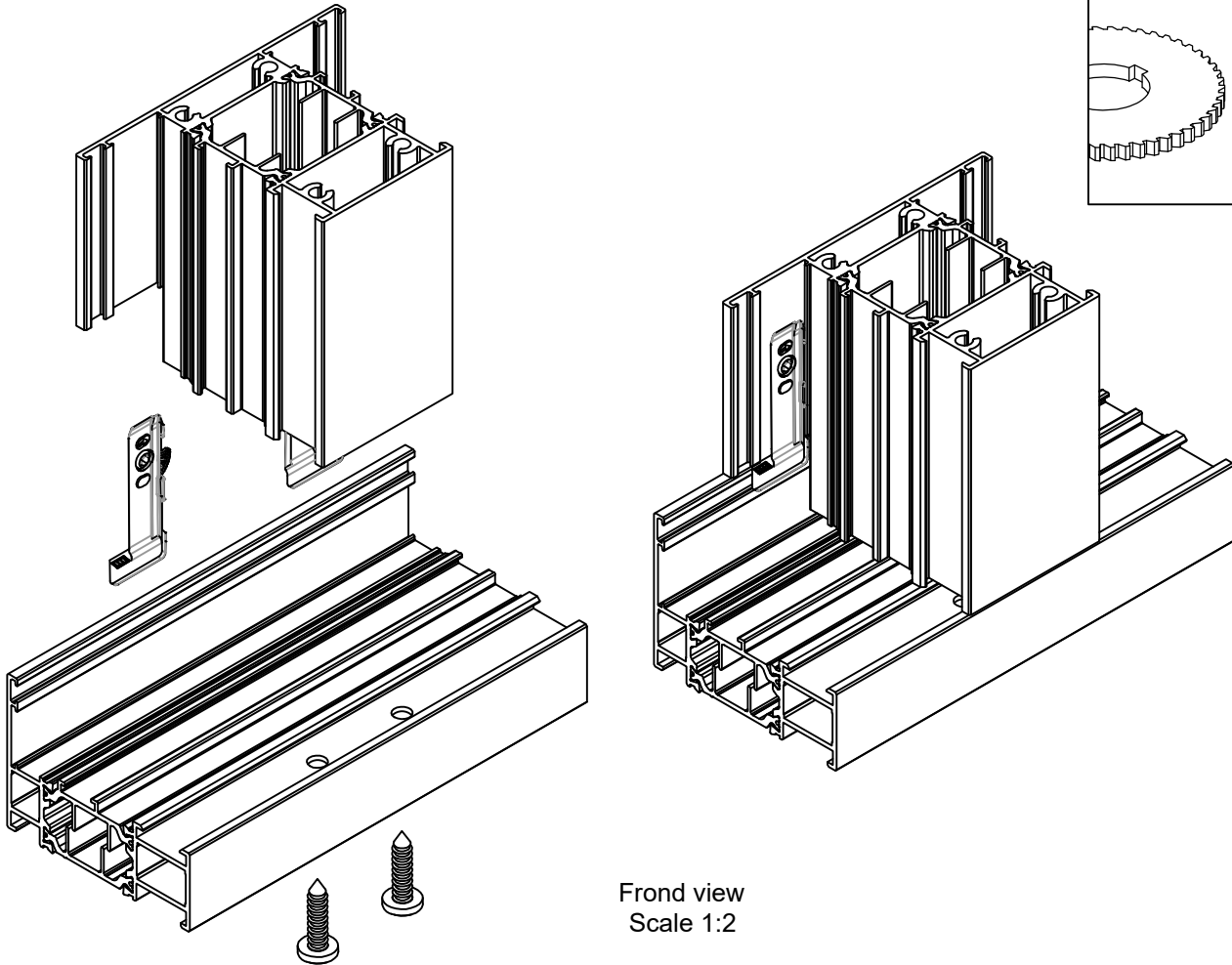
Front view
Scale 1:2



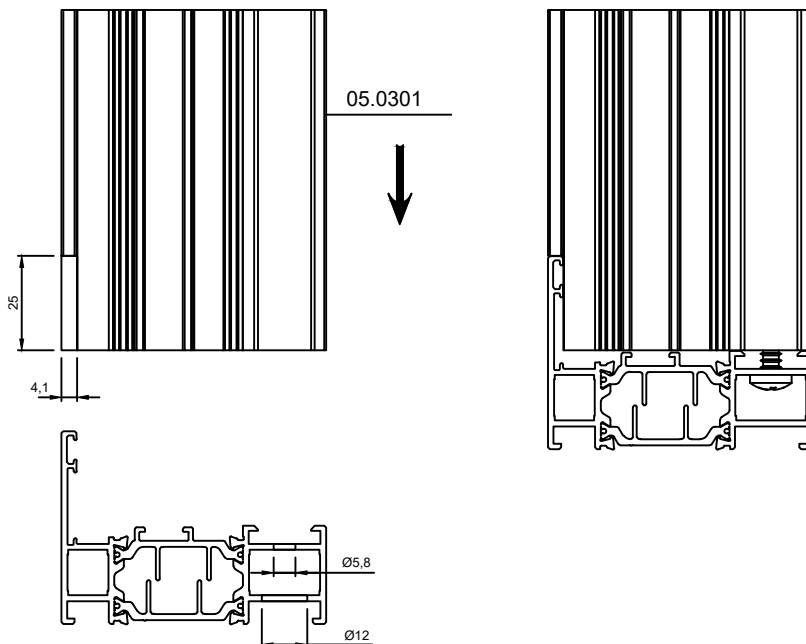
SCALE 1:2
FRONT VIEW



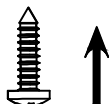
CONNENCTION "T" PROFILE 05.0301 WITH FRAME 05.0100
AND CUTTING OF "T" PROFILE



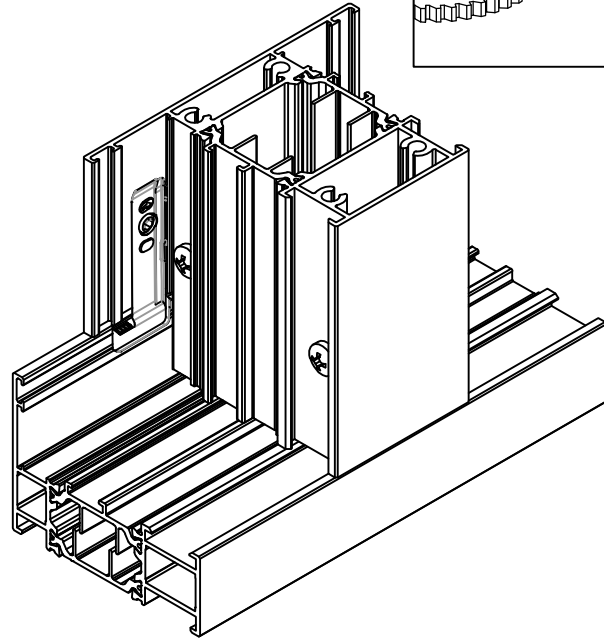
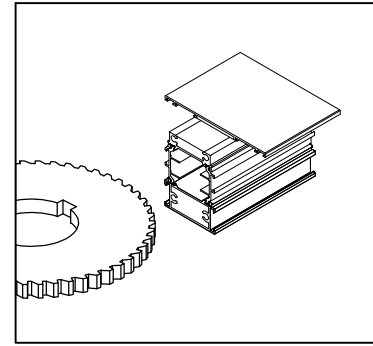
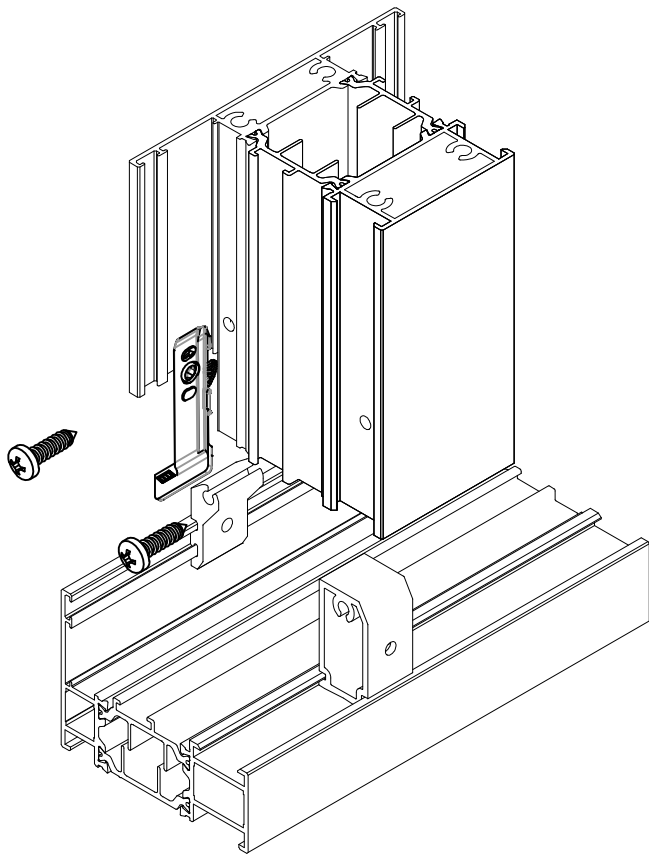
Front view
Scale 1:2



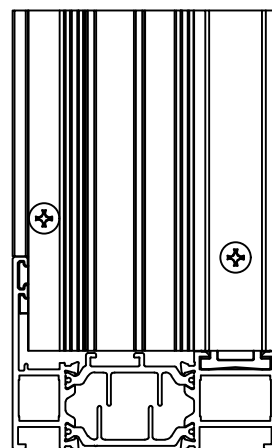
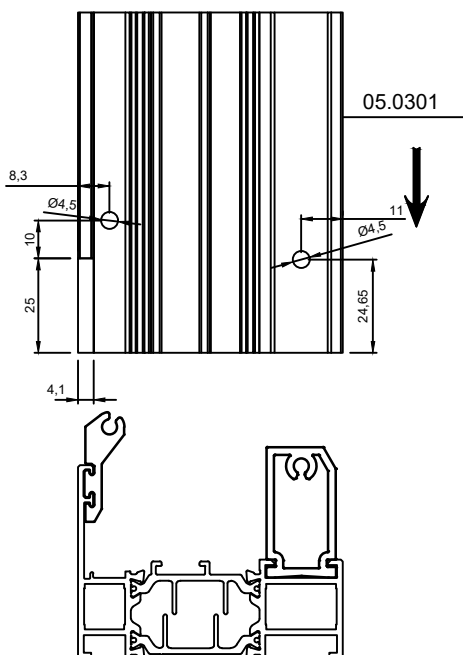
SCALE 1:2
FRONT VIEW



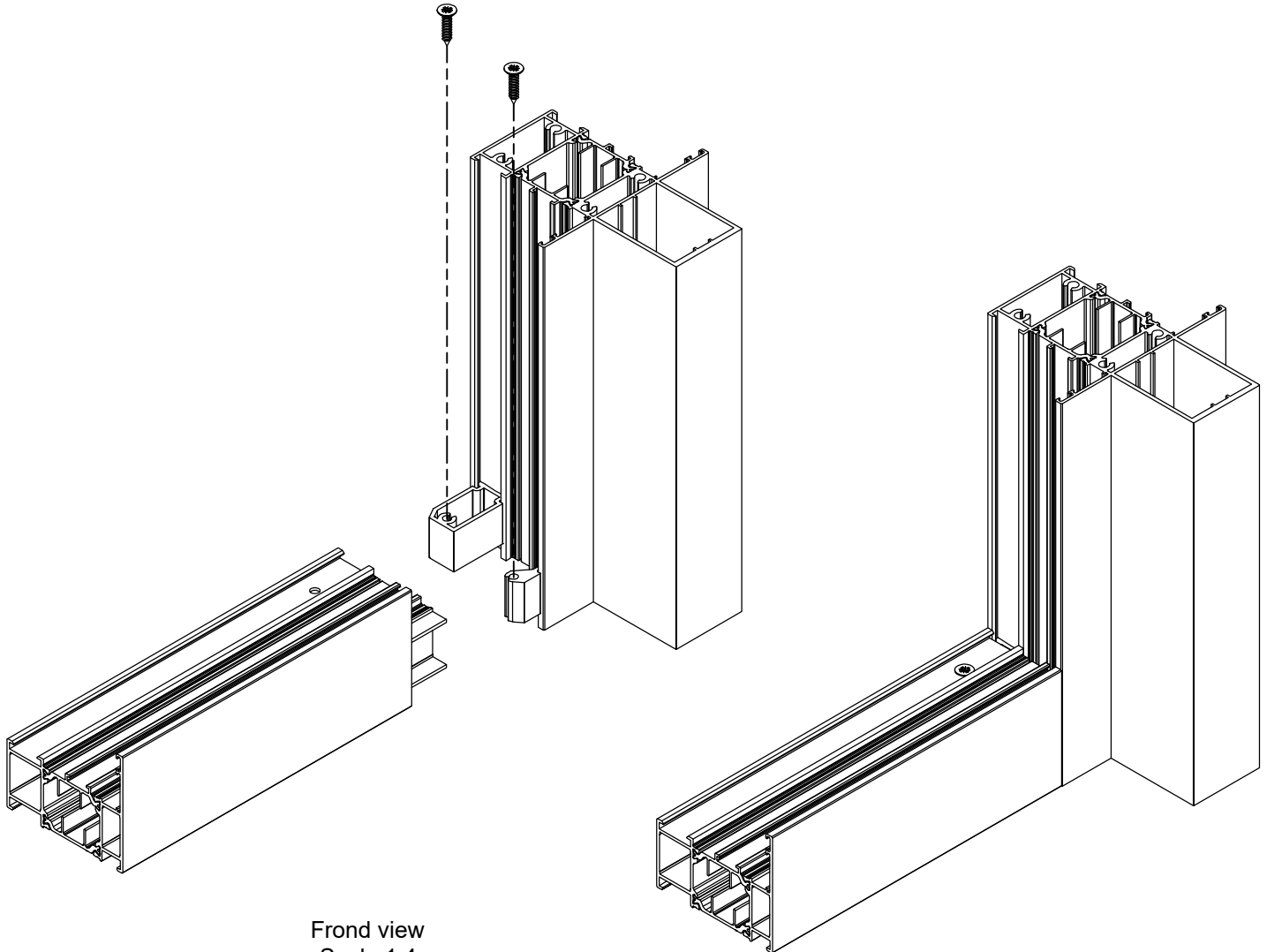
CONNECTION "T" PROFILE 05.0301 WITH FRAME 05.0100
AND CUTTING OF "T" PROFILE
CONNECTION WITH ACCESSORIES 05-3 & 05-4



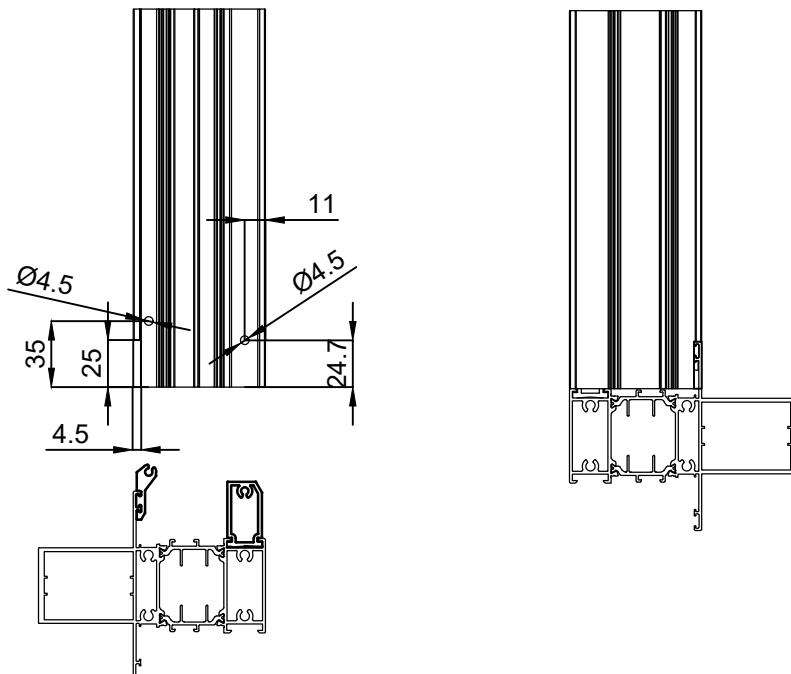
Front view
Scale 1:2





CONNECTION "MULION" PROFILE 05.0302 WITH FRAME 05.0101
AND CUTTING OF FRAME PROFILE
CONNECTION WITH ACCESSORIES 05-3 & 05-4

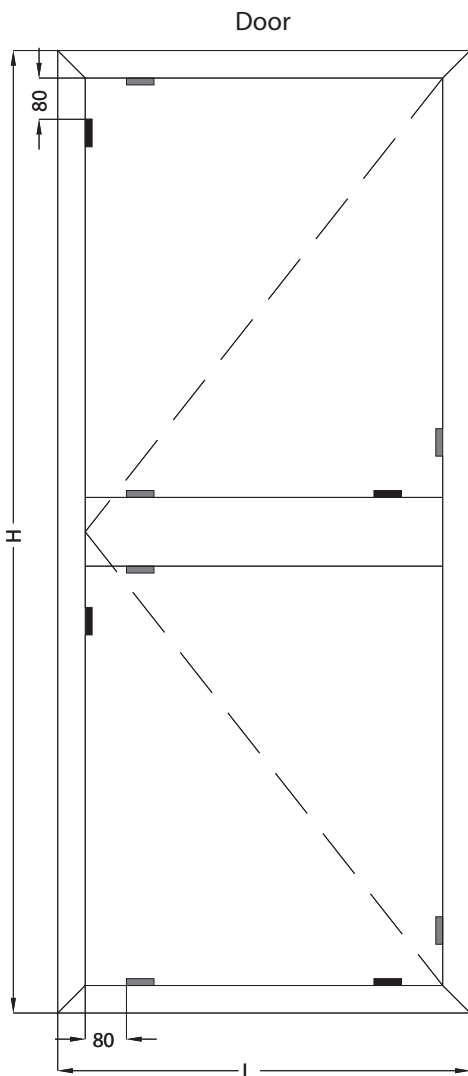


Front view
Scale 1:4

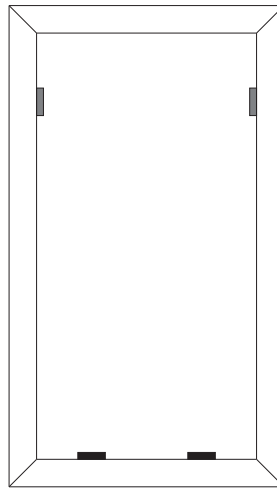


THREE DIMENSIONS DETAILS GLAZING WEDGES

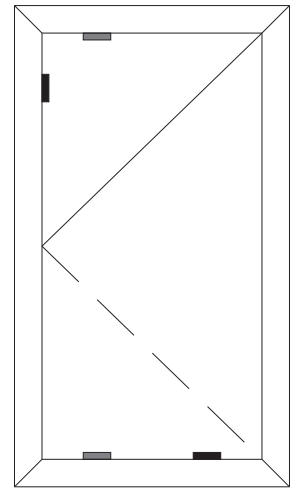
-  Glazing wedge for leveling
-  Glazing wedge for support



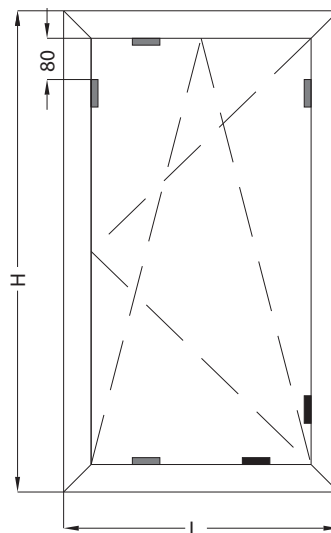
Fixed window



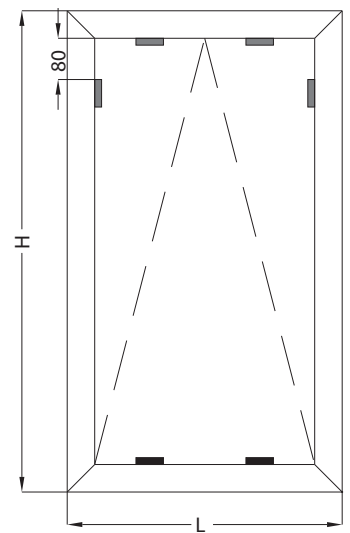
Turn window



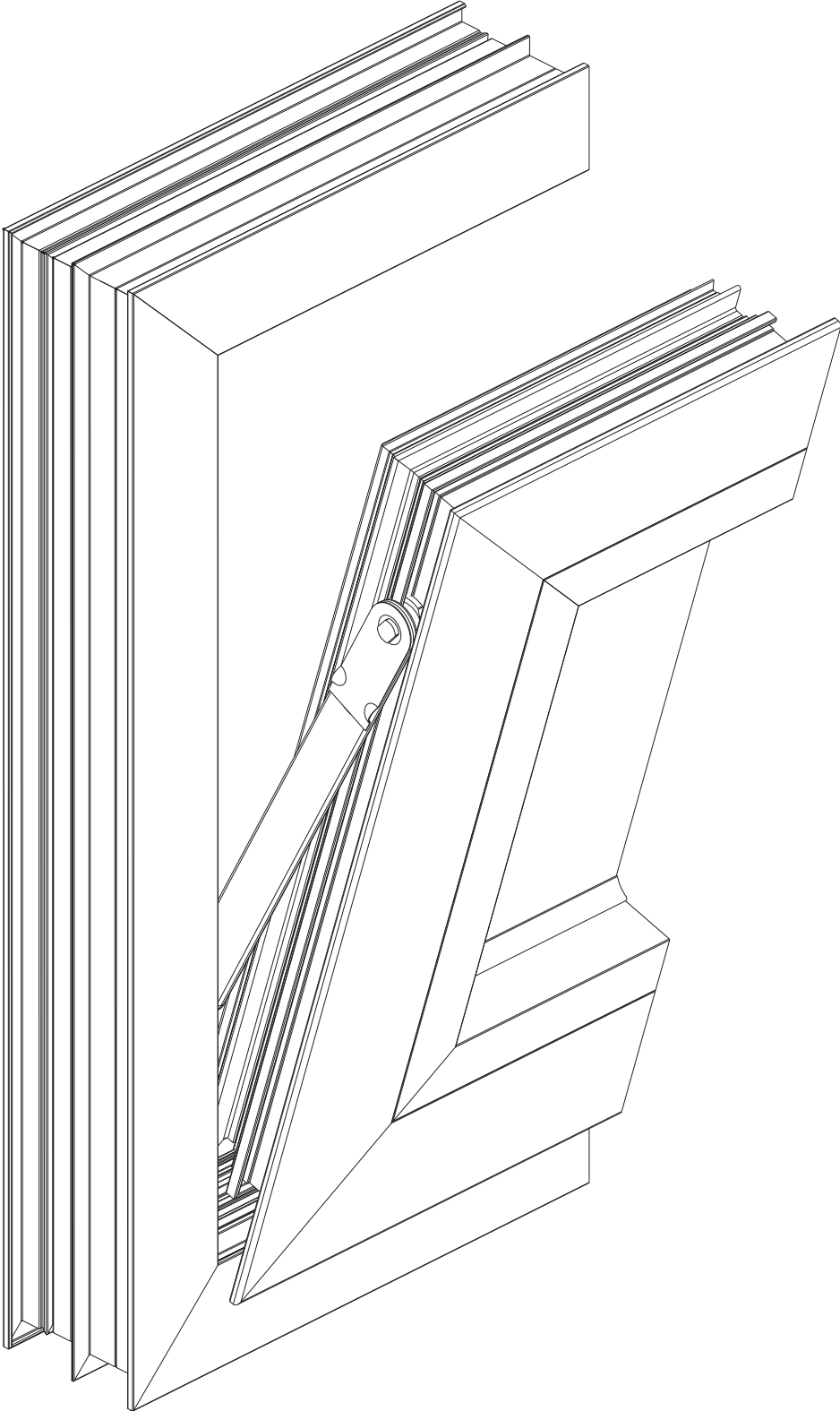
Tilt and turn window



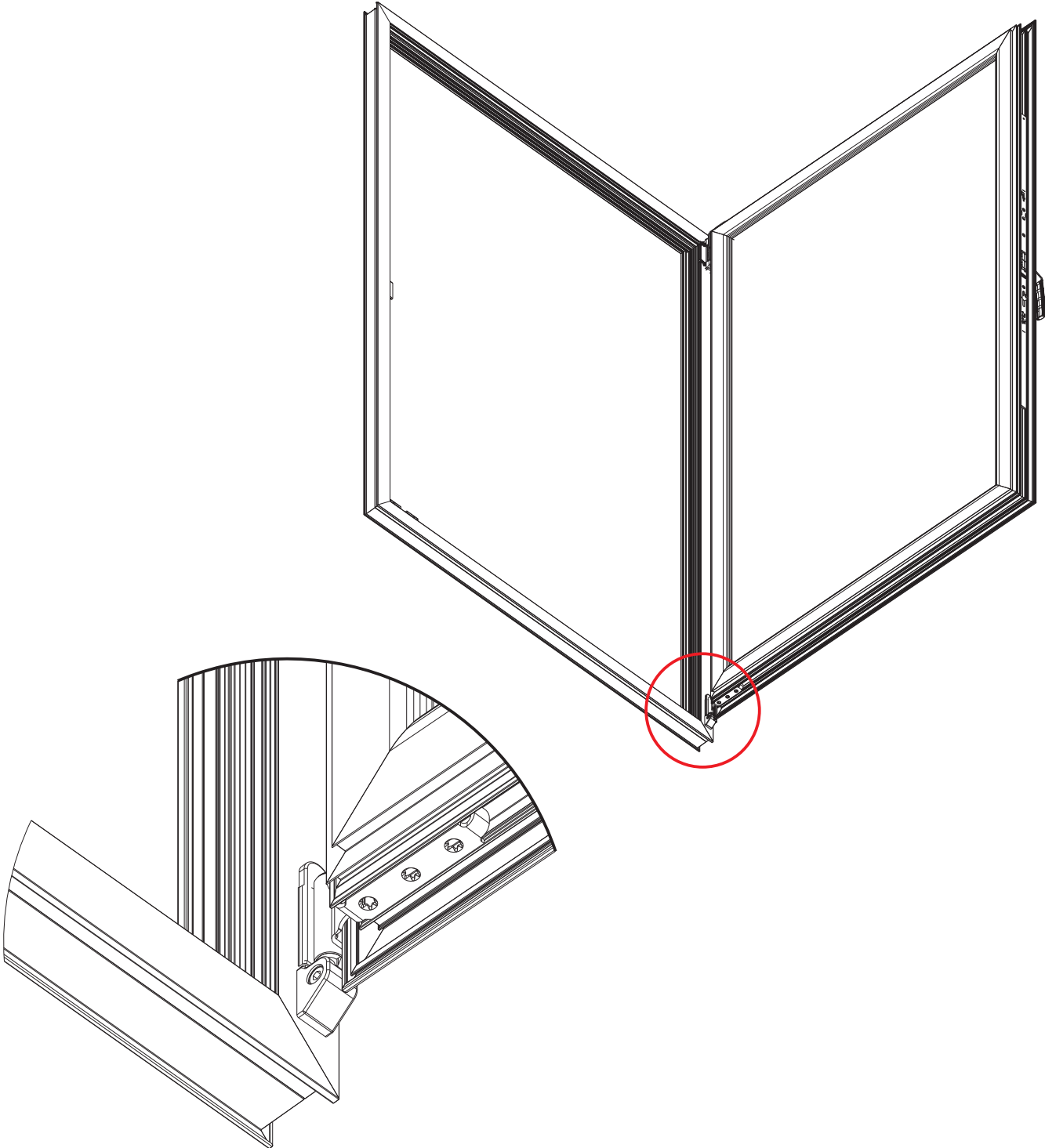
Tilt window



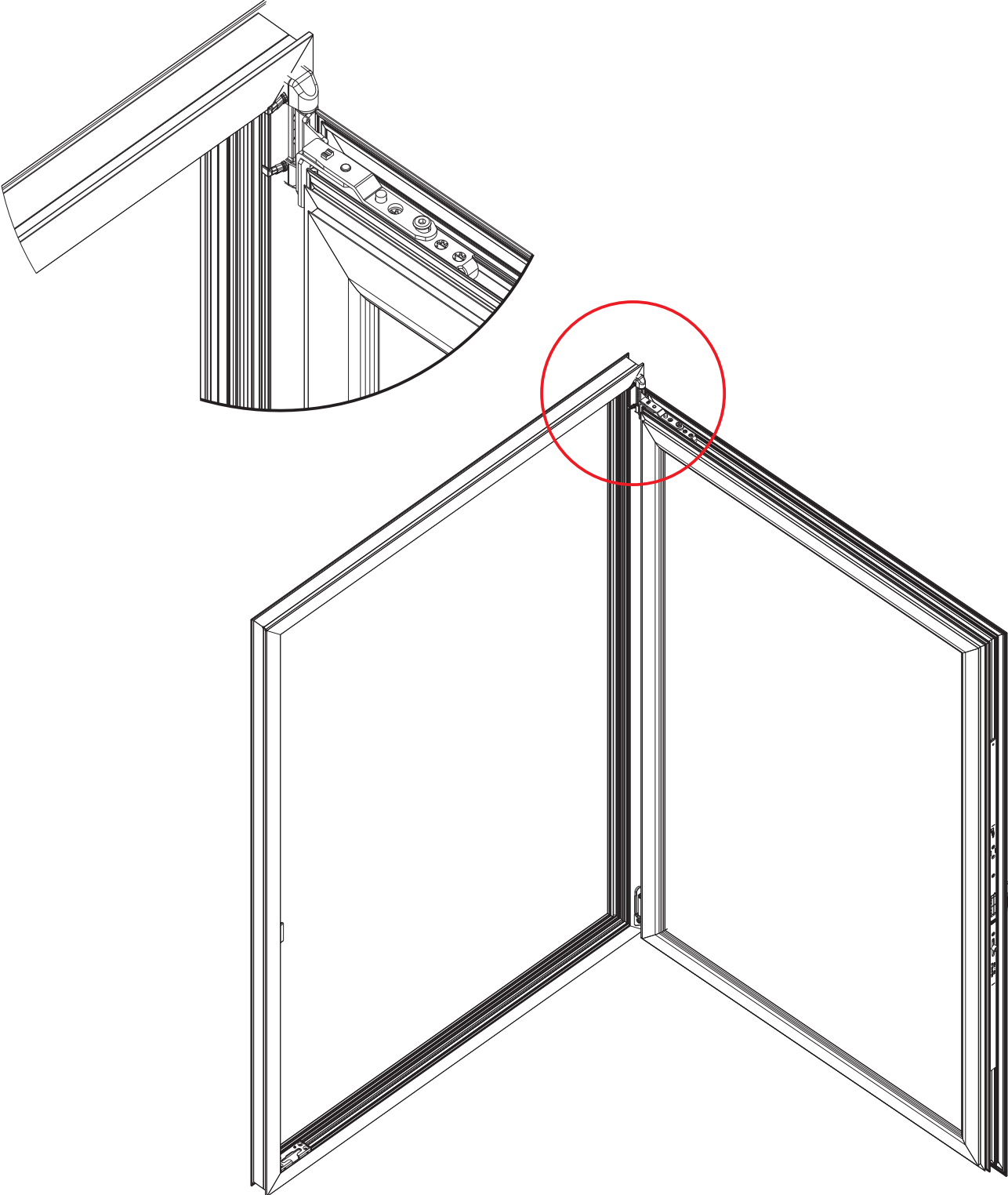
THREE DIMENSIONS DETAILS



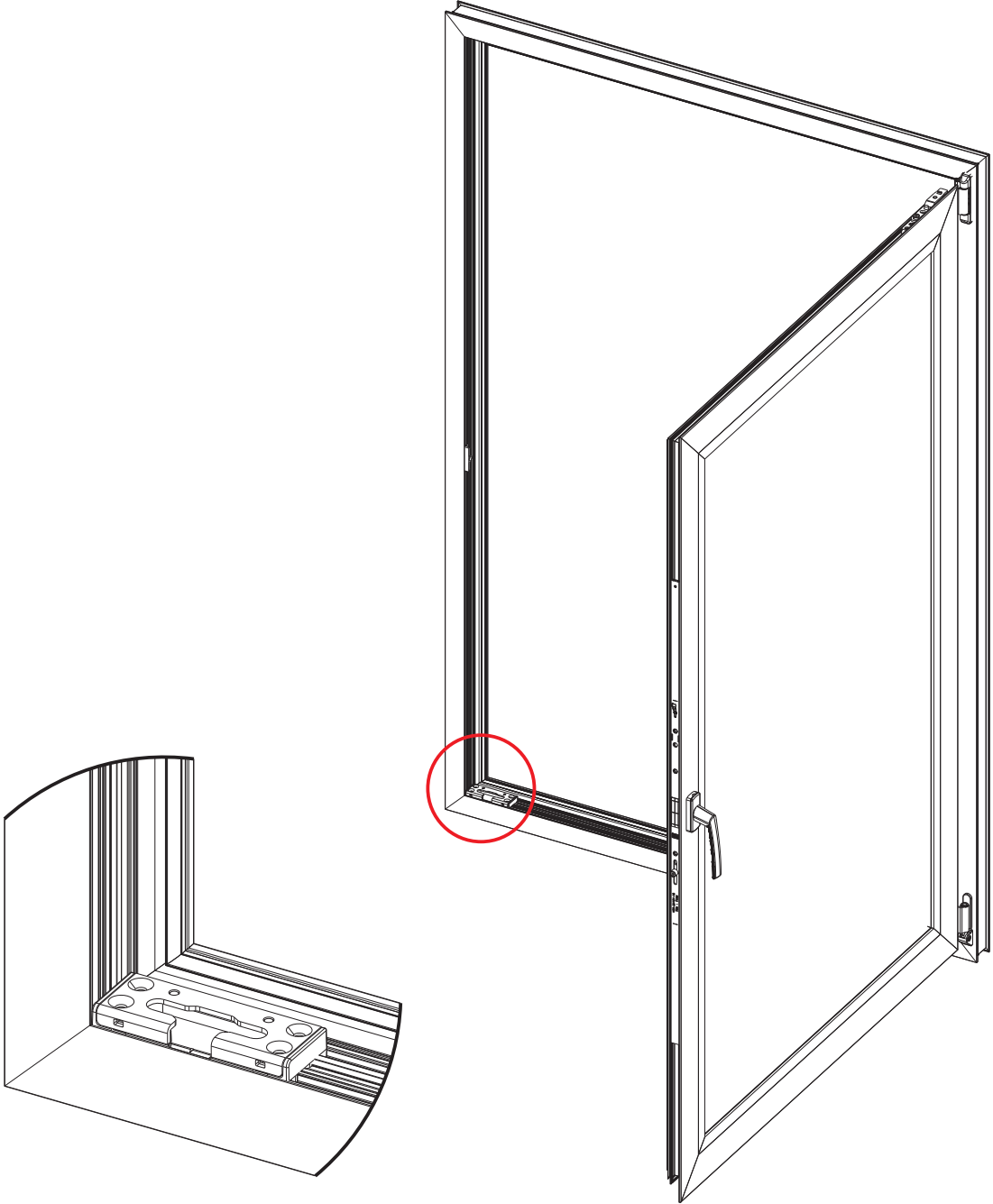
THREE DIMENSIONS DETAILS



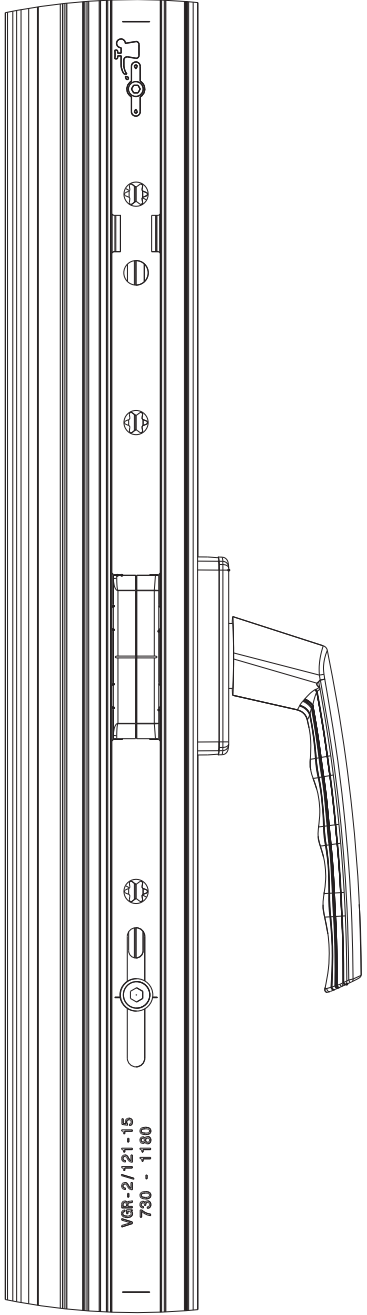
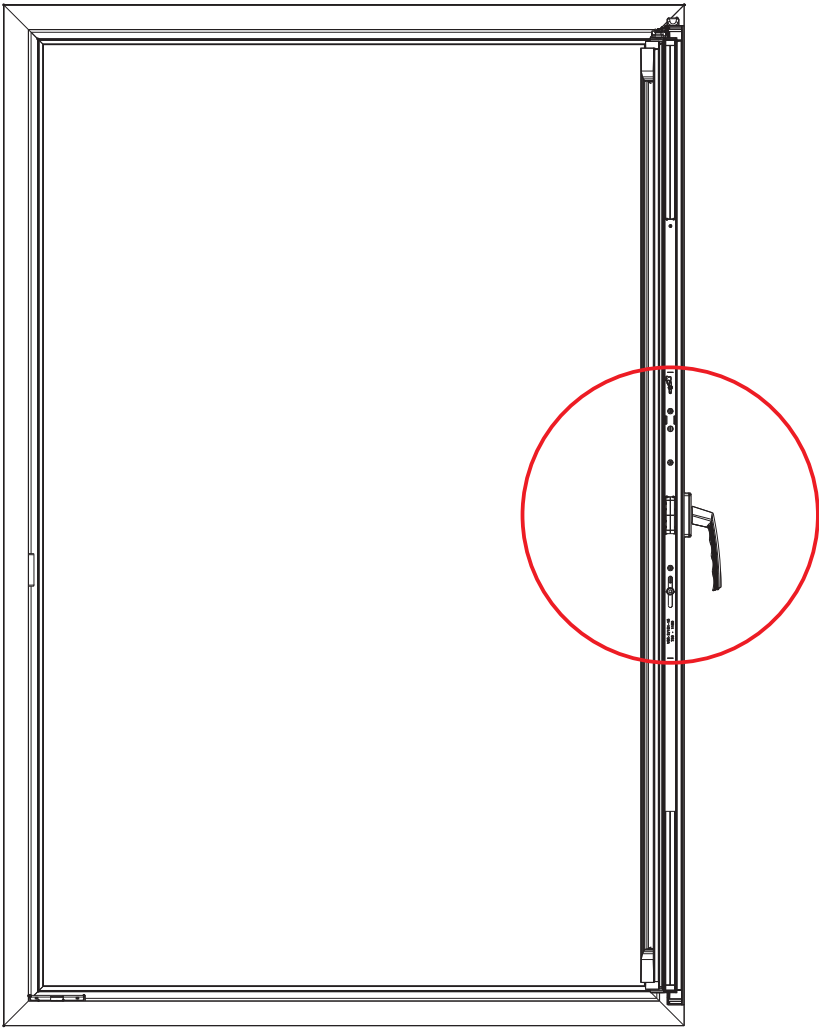
THREE DIMENSIONS DETAILS



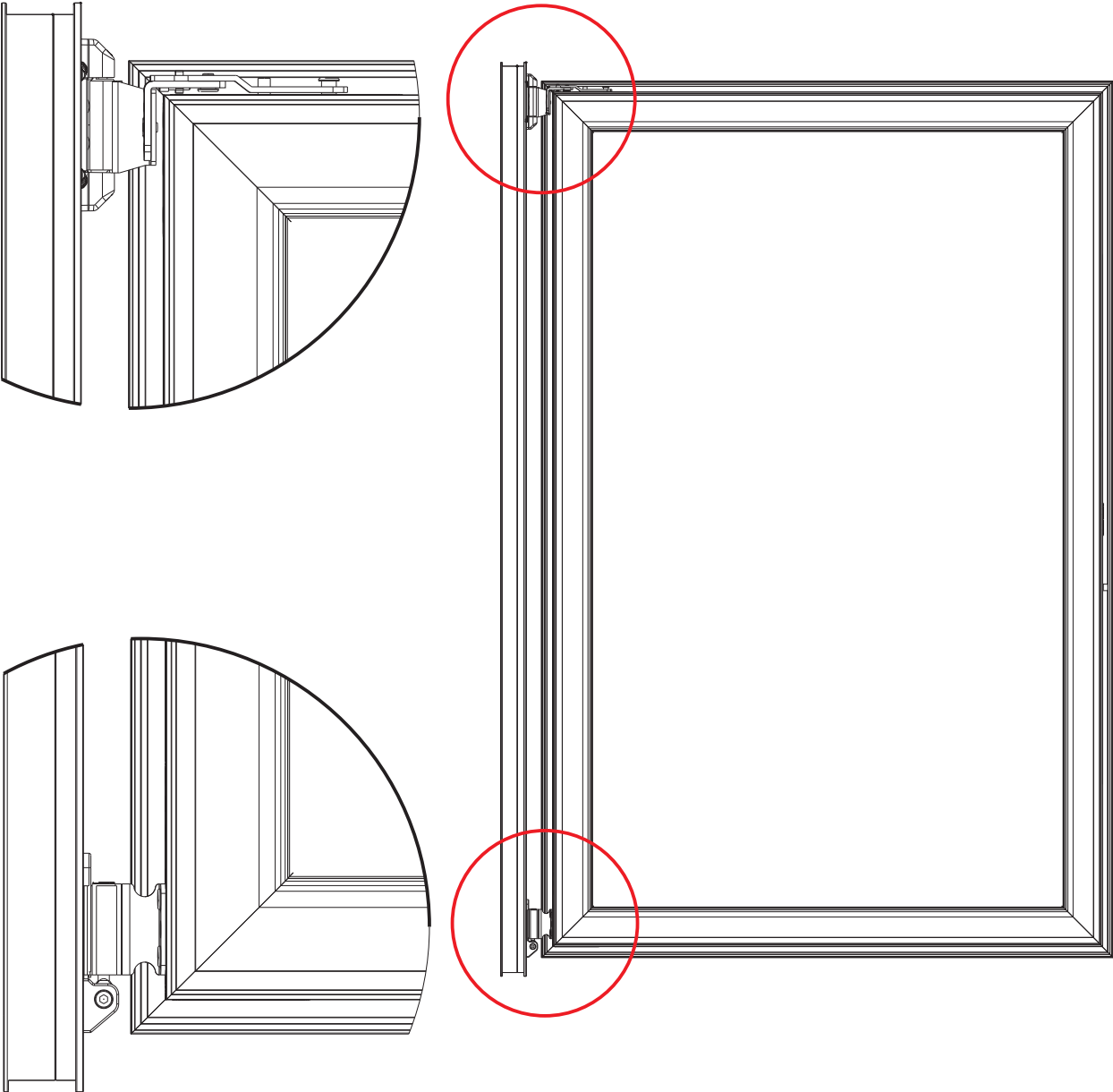
THREE DIMENSIONS DETAILS



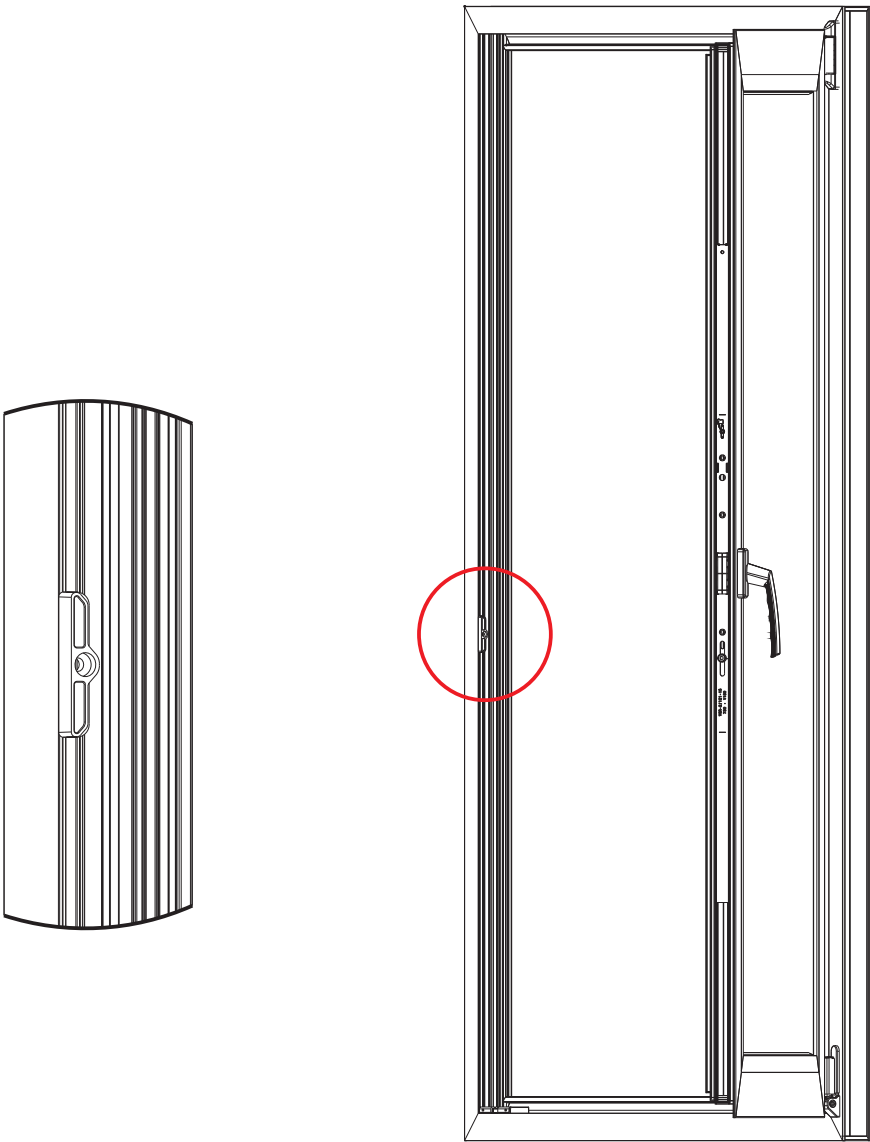
THREE DIMENSIONS DETAILS



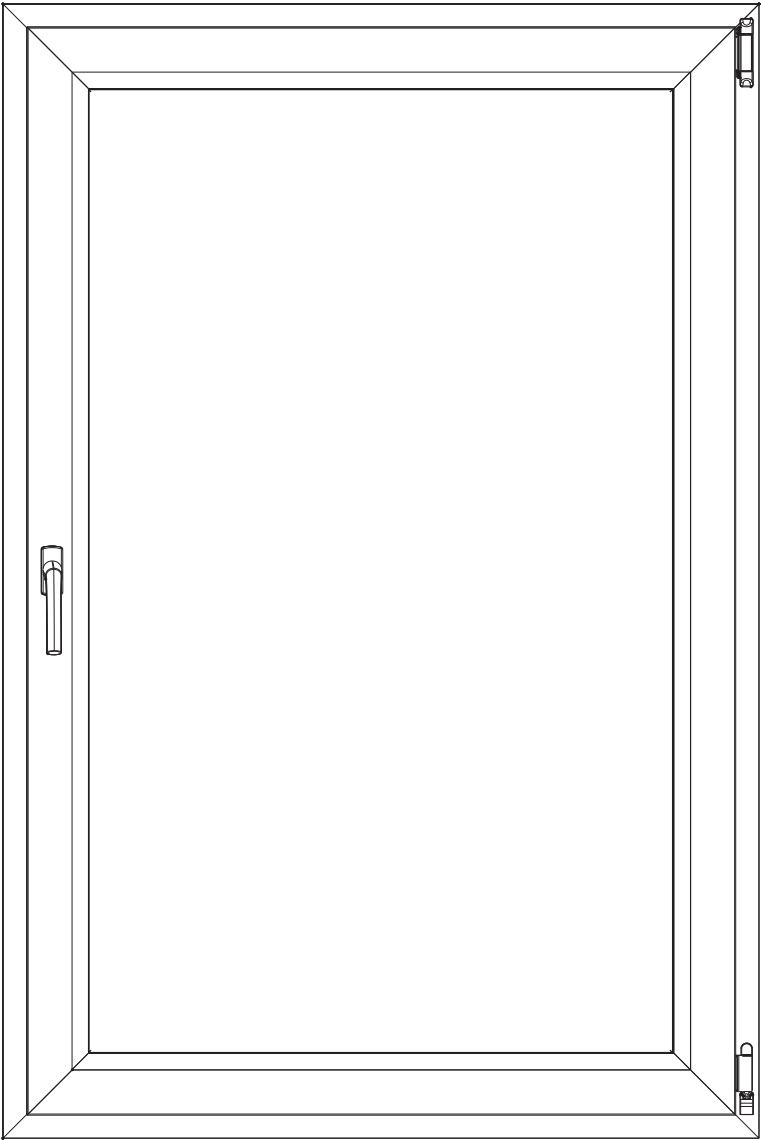
THREE DIMENSIONS DETAILS



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