

**FIRAT**

**andes 38**

OUTWARD OPENING

**andes 60**

SLIDE

**TECHNICAL  
CATALOGUE**

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OUTWARD OPENING

38



SLIDE

60

## Innovative Solutions for Various Regions



### Andes

Frame & Sash Profile Width (mm)	<b>38</b>
Number of Seal	<b>2</b>
Seal	<b>TPE</b>
Number of Chambers	<b>3</b>
Sound Insulation (db)	<b>32</b>
Glass Thickness (mm)	<b>5,20,24</b>



### Andes Slide

Frame & Sash Profile Width (mm)	<b>60</b>
Seal	<b>TPE</b>
Sound Insulation (db)	<b>32</b>
Air Permeability Class	<b>3</b>
Water Impermeability Class	<b>3A</b>
Profile Heat Insulation (W/m <sup>2</sup> °K)	<b>1,45</b>
Window Heat Insulation (W/m <sup>2</sup> °K)	<b>2,20</b>
Wind Load Resistance Class	<b>C2</b>
Glass Thickness (mm)	<b>5,20,24</b>



TREND COLORS





38  
OUTWARD OPENING



SLIDE

### **Andes And Andes Sliding System:**

PVC window systems can vary depending on the characteristics of the region they are used in. India and countries of Latin America, Africa and Middle East usually prefer “smaller profiles” or “outside opening” systems. Winhouse generates new solutions through “Andes” and “Andes Slide” systems specially designed for these regions.

### **Aesthetics:**

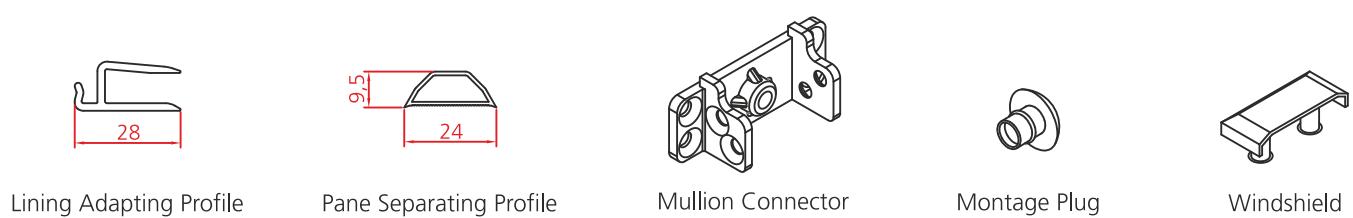
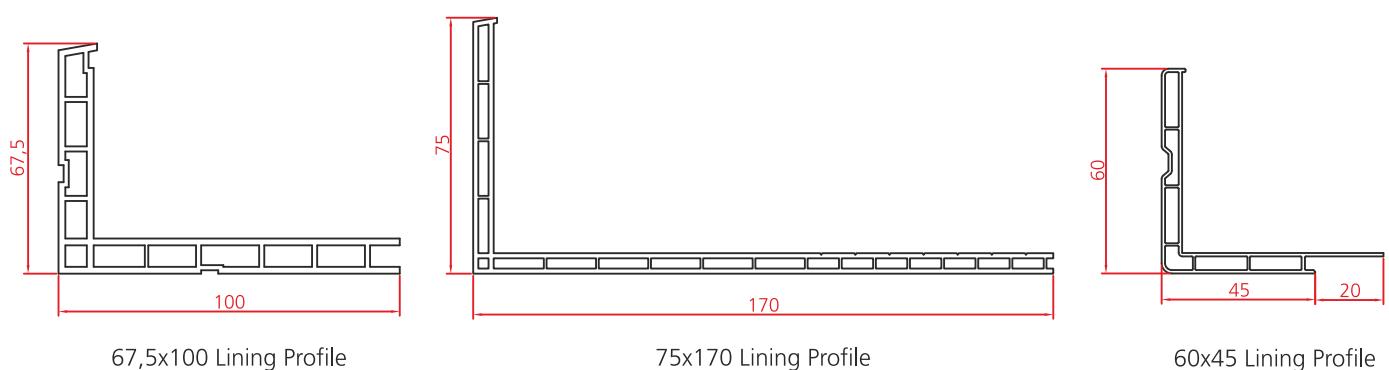
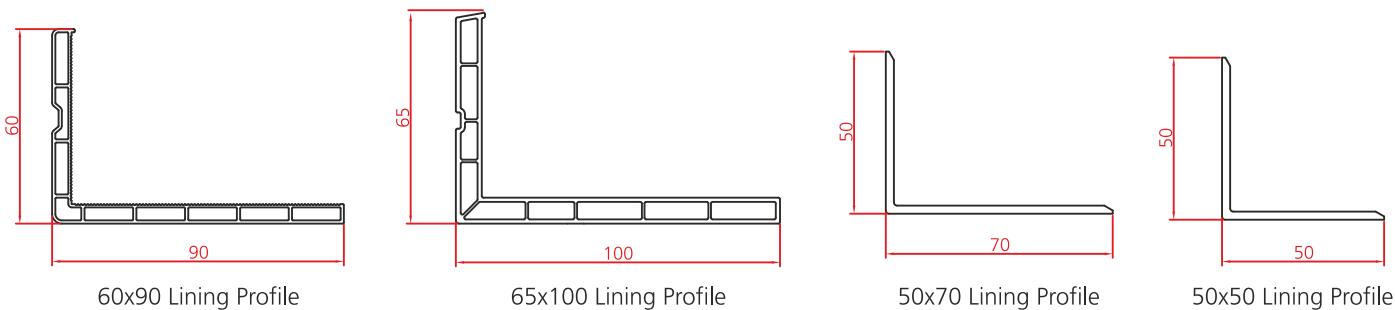
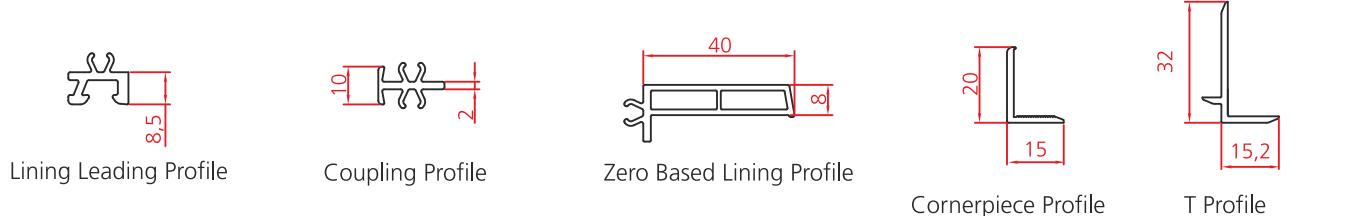
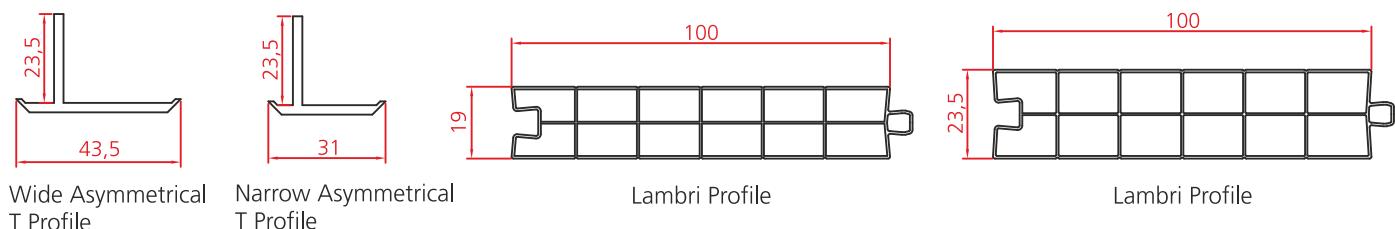
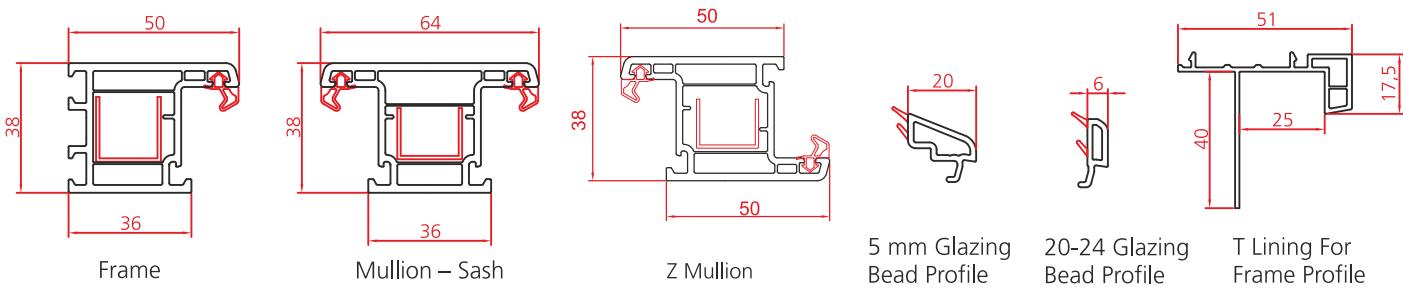
Mullion Profile of Andes Window System is also used as outside opening sash profile. Since the width of Andes is 38 mm and its depth indoors is 36 mm, a small amount of profile is seen while we have a larger view of the outside benefitting from the sunlight more at the same time. 22 different color options are available for lamination in the system. Wood or aluminum effect can be achieved through lamination and thus, PVC windows matching the interior and the exterior of buildings can be manufactured.

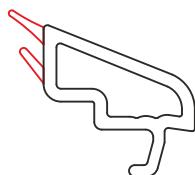
### **System Features:**

- Andes Window System has a frame, a mullion and two different glazing bead profiles. Mullion Profile can also be used as outside opening sash profile.
- The system has two different glazing bead profiles that can be used in 5 and 20 mm-glass thickness. In cases where 24 cm glass is demanded, the main profile can be applied without using the seal.
- Profiles of Andes Window System have a profile width 38 mm.
- Locking is achieved through handle as transom system is used in Andes Window System. Outside opening is performed with the help of the latch on the sash handle. Sash is locked by the locking element on the frame tightening the handle latch.
- Andes Sliding System has a frame profile width of 60 mm which can operate in harmony with Andes Window System.
- Andes Sliding System has Sliding Frame Profile, Sliding Lining Frame Profile, Sliding Fix Frame Profile, Sliding Three Track Frame Profile and Sliding Frame Profile with Fly Swatter which can provide different solutions in different applications.
- In Andes Sliding System, fixed windows can be made by using the Fix Frame Profile. Developed especially for this aim, Sliding Fix Horizontal Mullion Profile is used as a mullion within the fix frame and thus, fixed glass can be applied in lower or upper parts.
- In order to make fixed joineries above or below the sliding frame, a “Frame Connection Profile” has been developed that connects the frames of Andes Sliding and Andes 38 mm.
- Special lining profiles designed for Andes frame and Andes Sliding frame profiles are available in the system.
- Post box profiles and connection profiles have been included in the system in order to offer solutions for different architectural applications.

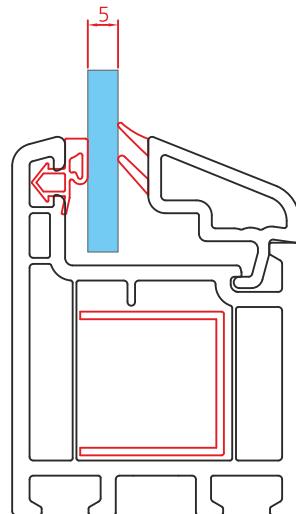
### **Performance Features of the Windows System:**

Reinforcement steels, one of the most significant points for achievement of the required resistance values, have been designed in a way that it can provide the necessary inertia values. Thus, the system can provide necessary wind load, water and air impermeability in the area in which it will be used.

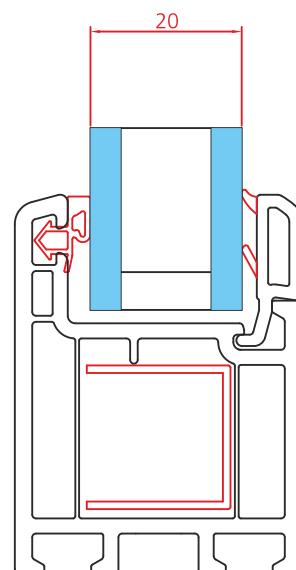




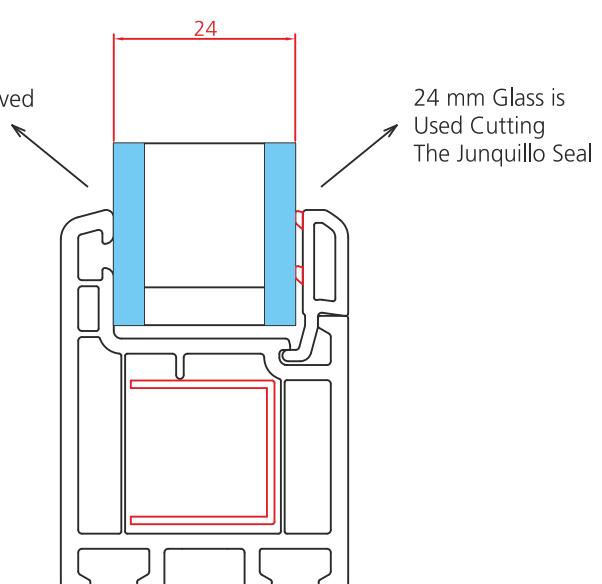
5 mm Glazing Bead Profile

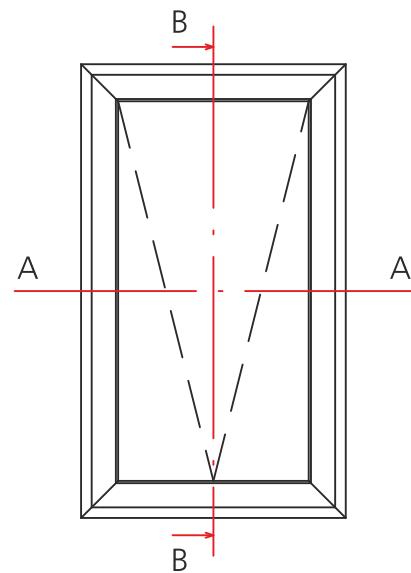
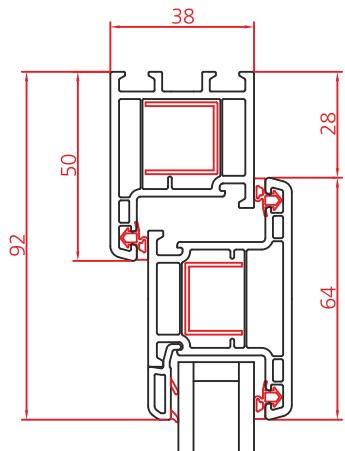


20 - 24 mm Glazing Bead Profile

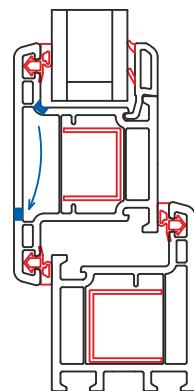
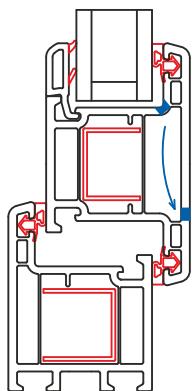


The Frame Seal is Removed  
to Use 24 mm Glass

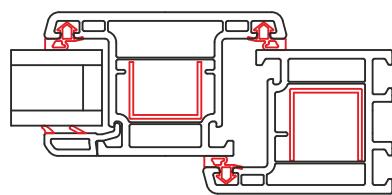
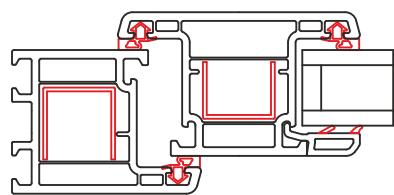


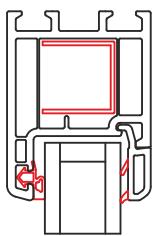


B - B Section

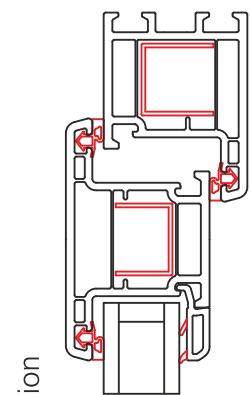
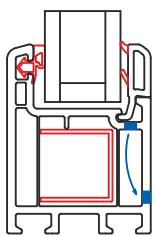
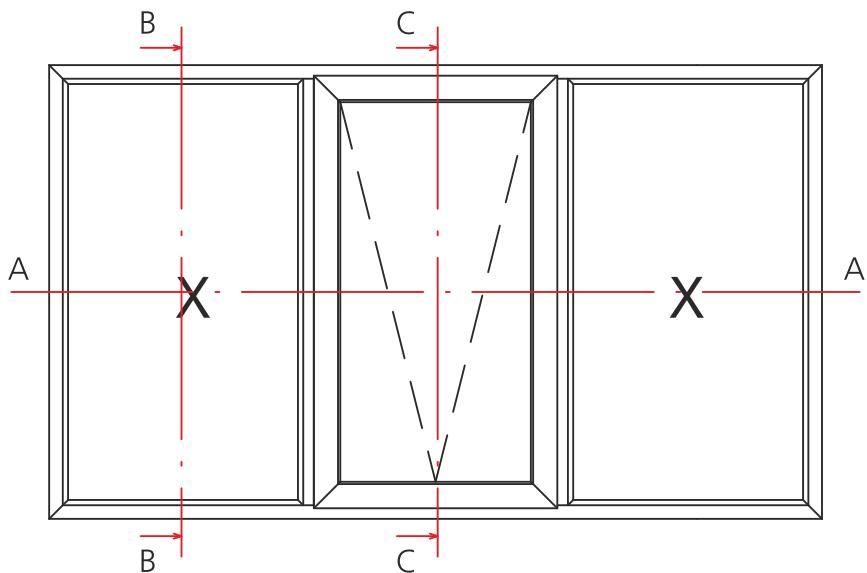


A - A Section

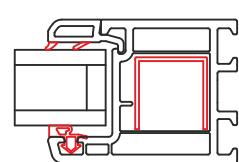
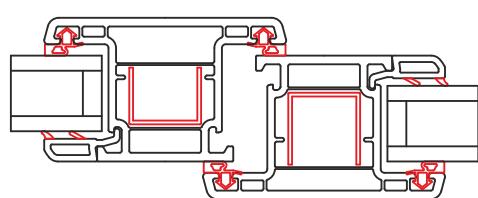
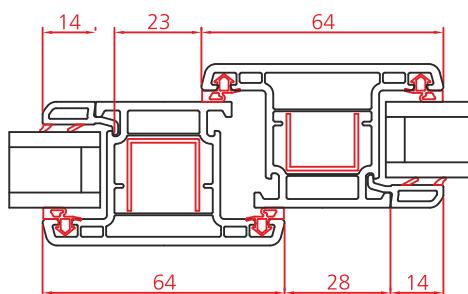
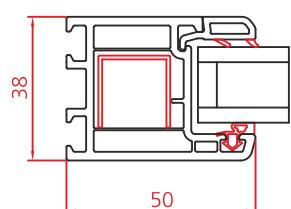
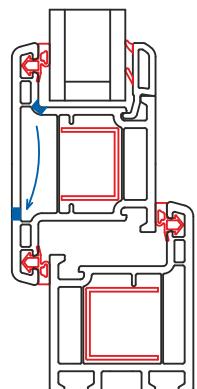


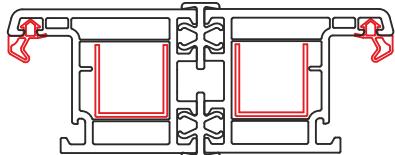


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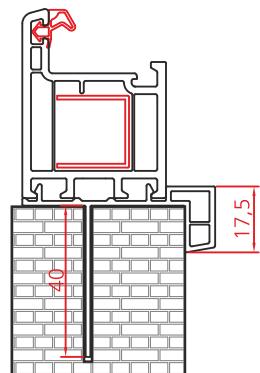
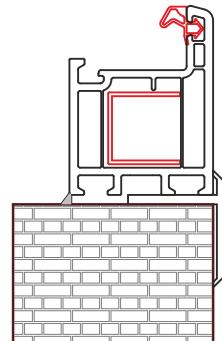
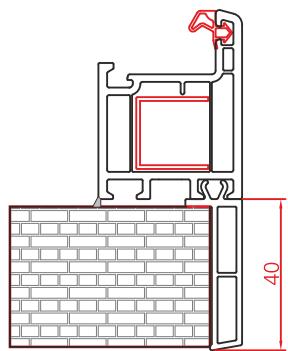
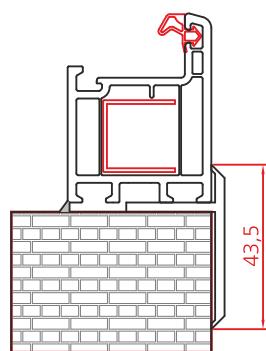
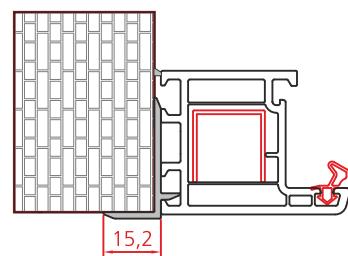


C - C Section

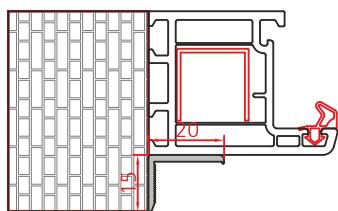




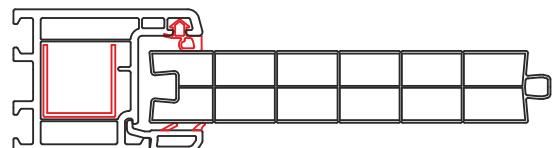
Application of Coupling Profile

Application of T Lining  
for Frame ProfileApplication Of Narrow  
Asymmetrical T ProfileApplication of Zero  
Based Lining ProfileApplication of Wide  
Asymmetrical T Profile

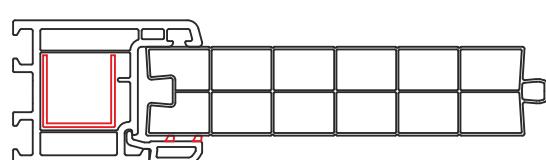
Application of T Profile



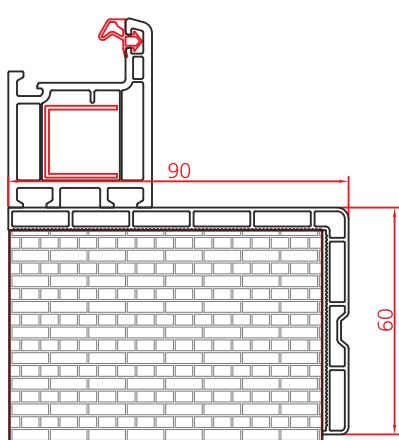
Application of Cornerpiece Profile



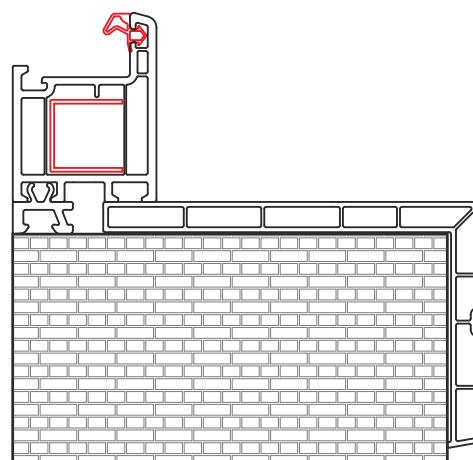
Application of Lambri Profile



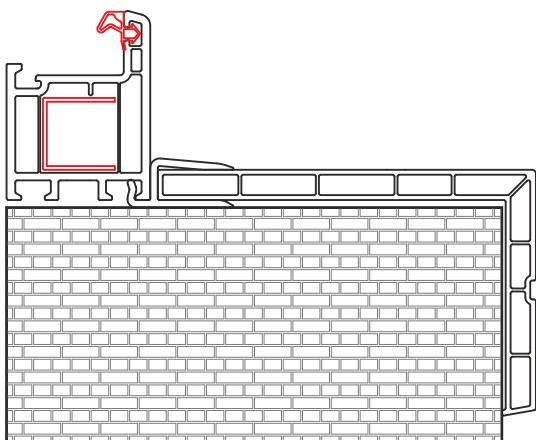
Application of 24 x100 Lambri Profile



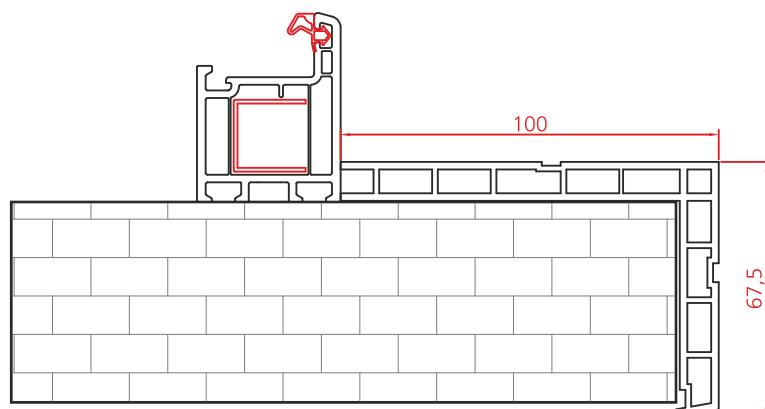
Application of 60 x 90 Lining Profile



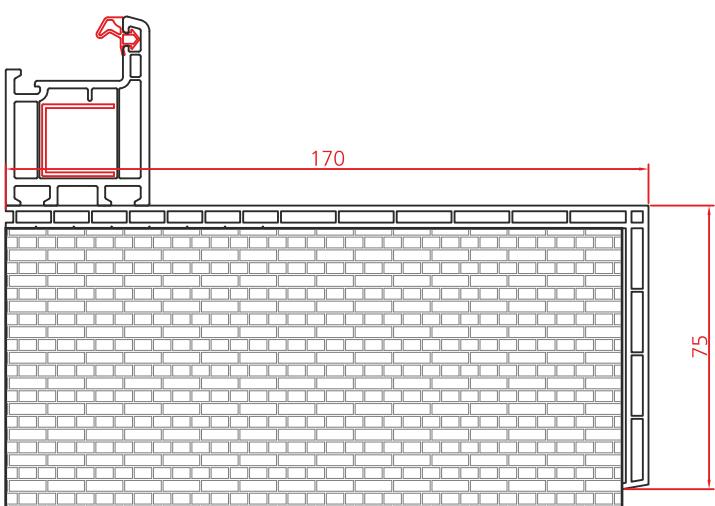
Application of Lining Leading Profile



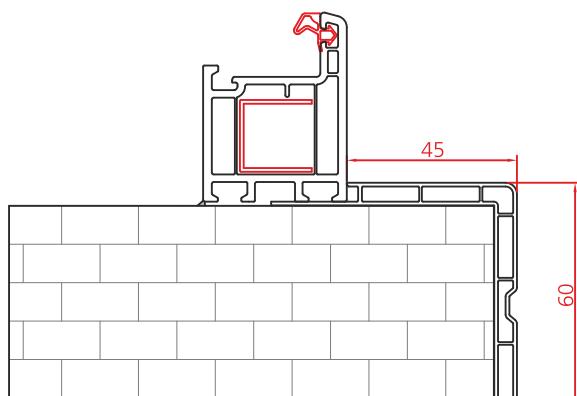
Application of Lining Adapting Profile



Application of 67,5 x100 Lining Profile

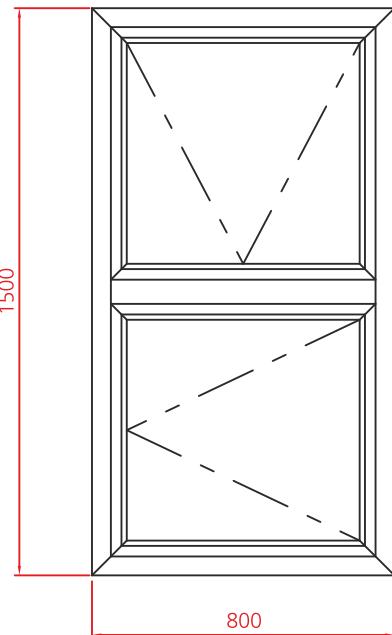


Application of 75x 170 Lining Profile



60 X 45 Application of Lining Profile

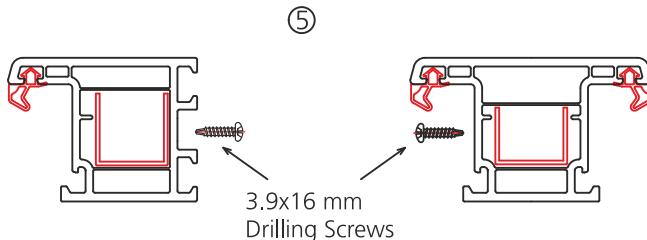
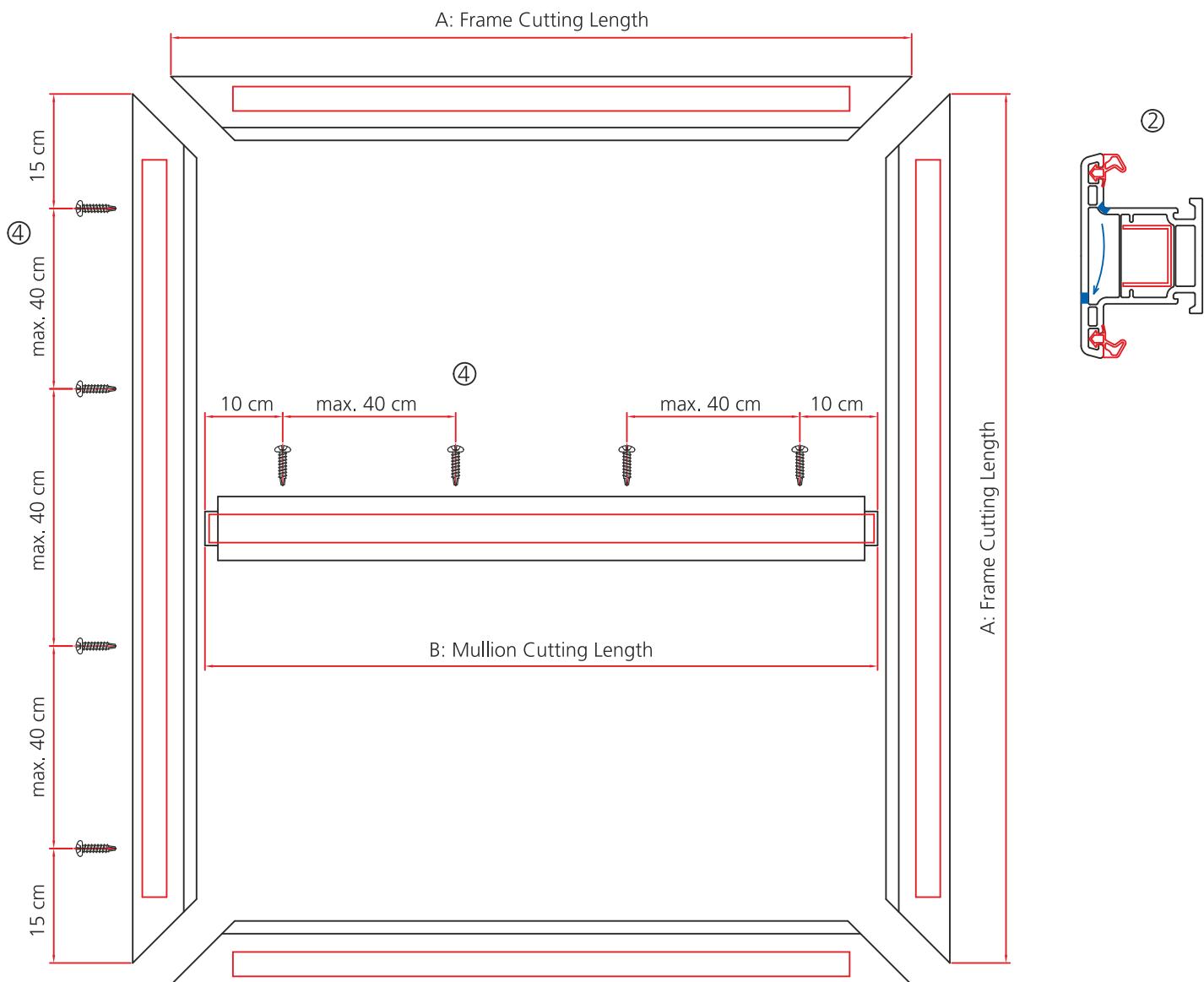
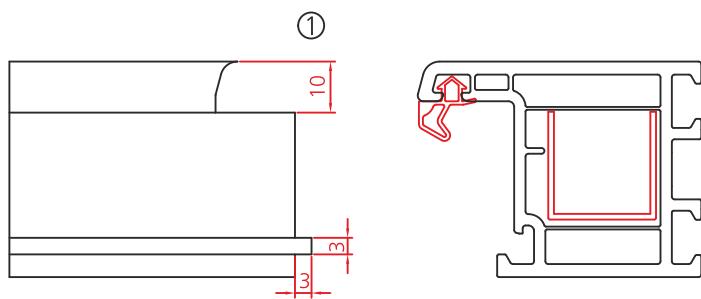
Product	Name	Cutting Measures	Quantity	Cutting
	Frame Vertical	1506 mm	2	
	Frame Horizontal	806 mm	2	
	Sash Vertical	714 mm	4	
	Sash Horizontal	746 mm	4	
	Mullion	734 mm	1	
	Glazing Bead Vertical	608 mm	4	
	Glazing Bead Horizontal	640 mm	4	
	Reinforcement Steel of Frame Vertical	1404 mm	2	
	Reinforcement Steel of Frame Horizontal	704 mm	2	
	Reinforcement Steel of Sash Vertical	612 mm	4	
	Reinforcement Steel of Sash Horizontal	644 mm	4	
	Reinforcement Steel of Mullion	727 mm	1	
	Glass – Vertical	598 mm	2	
	Glass – Horizontal	630 mm		



Product	Name	Quantity
	Mullion Connector	2
	Window Handle	2
	OutsideOpening Transom	4

**The Sequence:**

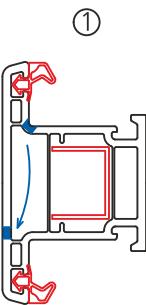
1. The mullion is indented with a suitable cutter with the frame.
2. The water discharge channel opens.
3. The reinforcement steel are cutted.
4. It is screwed leaving a space of 15 cm in reinforcement steel and 10 cm in the T post. The screw spaces must be max. 40 cm.
5. 3.9x16 mm drilling screws is used as the screw.



Reinforced Steel Cutting Measures	
Frame	A - 102 mm
Mullion	B - 7 mm

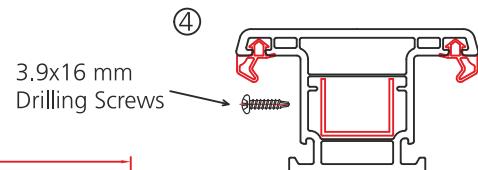
**The Sequence:**

1. The water discharge channel opens.
2. The reinforcement steel are cutted.
3. It is screwed leaving a space of 15 cm in reinforcement steel and 10 cm in the T post. The screw spaces must be max. 40 cm.
4. 3.9x16 mm drilling screws is used as the screw.
5. The handle is screwed into the sash.
6. Handle lock connects to the frame.



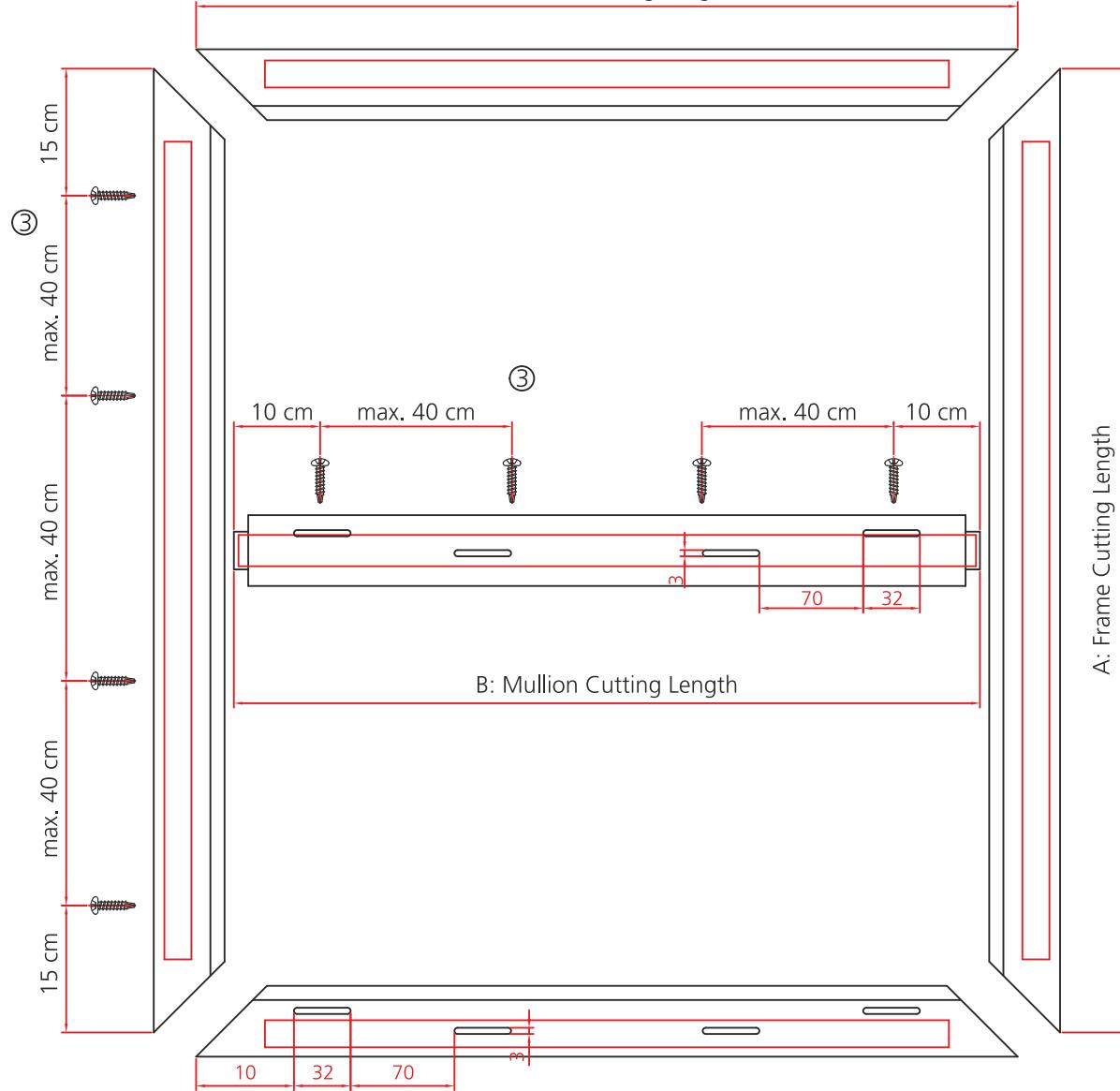
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Reinforced Steel Cutting Measures	
Frame	A - 102 mm
Mullion	B - 7 mm



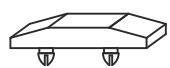
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A: Frame Cutting Length

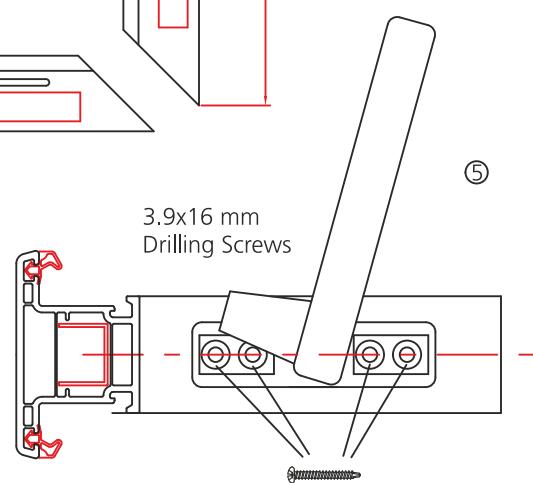
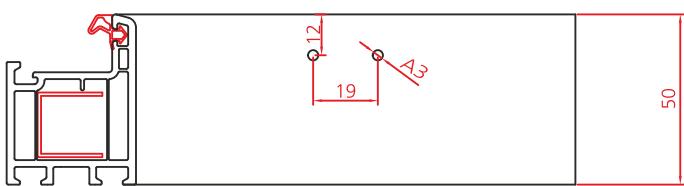


B: Mullion Cutting Length

A: Frame Cutting Length

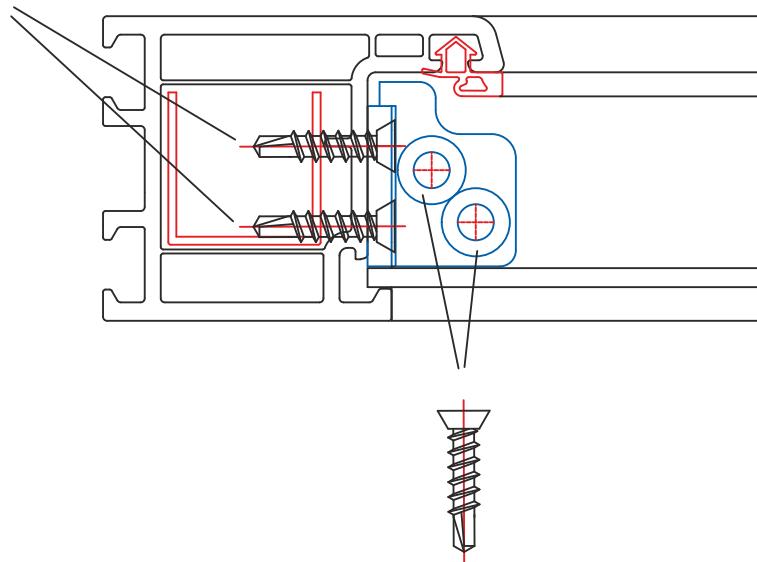


⑥



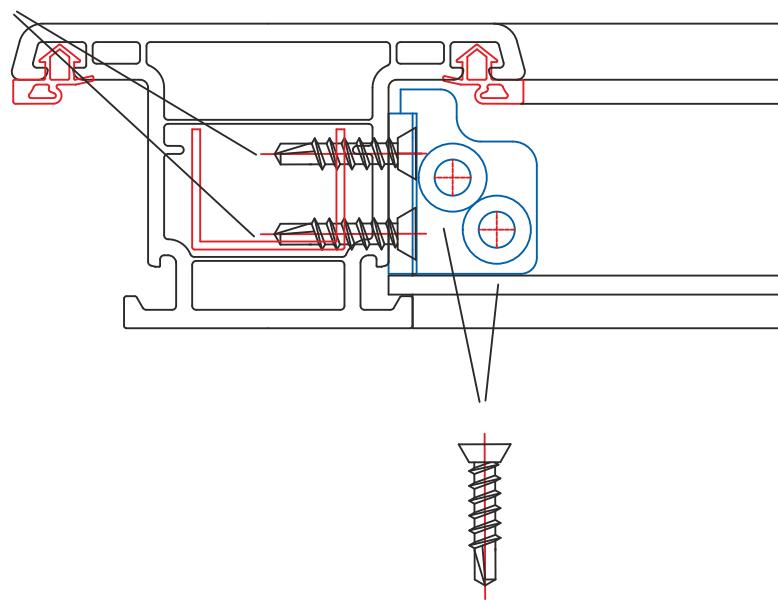
3.9x16 mm  
Drilling Screws

3.9x22 mm Drilling Screws

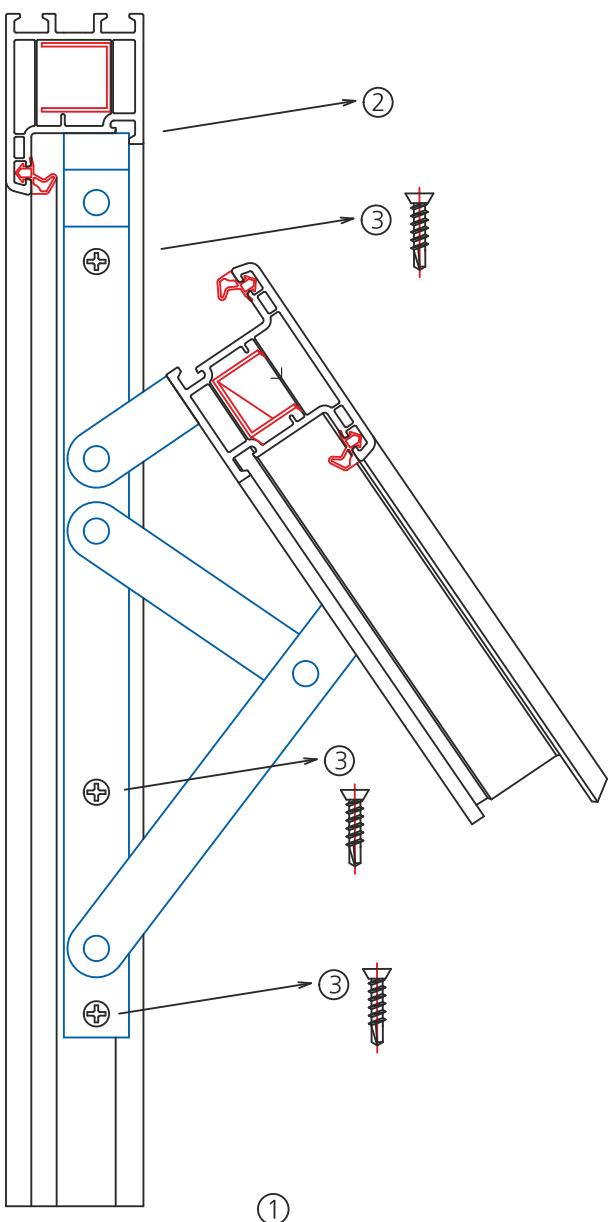


3.9x22 mm Drilling Screws

3.9x22 mm Drilling Screws

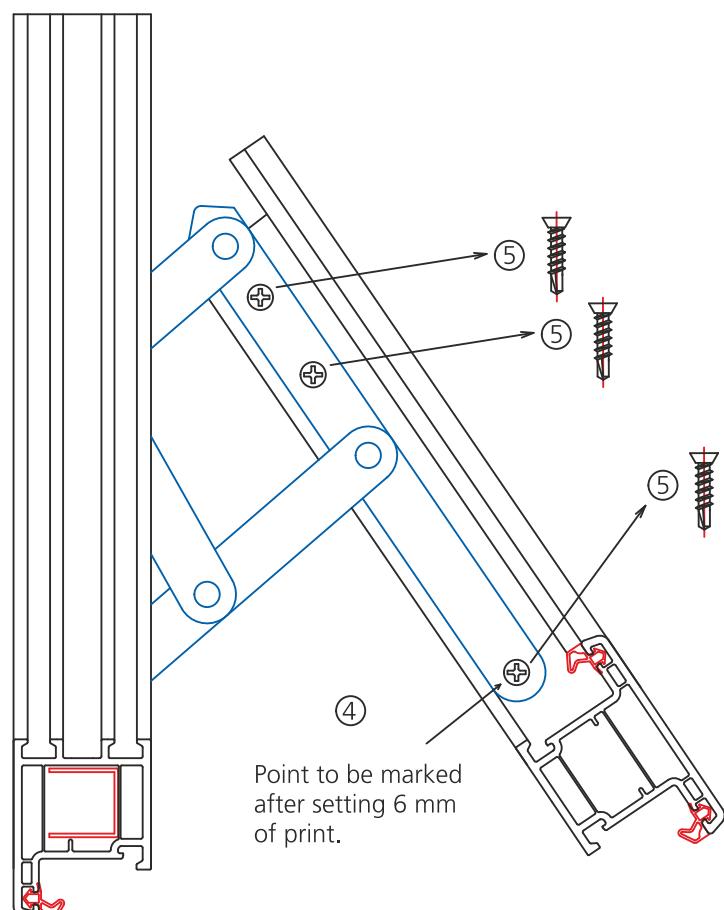


3.9x22 mm Drilling Screws

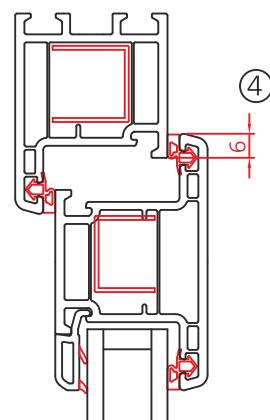


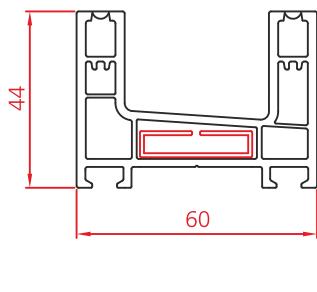
**The Sequence:**

1. Appropriate transom are selected according to wing weight.
2. The transom are bolted to the horizontal top of the frame.
3. 3.9x22 mm drilling screw is used as the screw.
4. The sash is placed in the frame with a pressure of 6 mm and the transom part is marked which is on the sash.
5. In the sash, the transom are fixed to the glazing bead channel and using a 3.9x22 mm screw based on the vertically marked point.

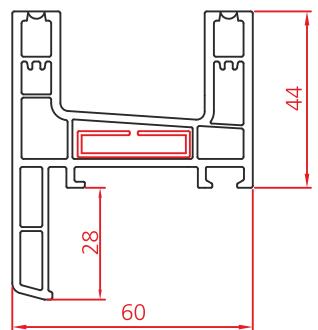


Size	Vent Type	Max.Vent Width	Max.Vent Height	Max.Vent Weight	Opening Angle
200 mm	Top Hung	1200 mm	350 mm	12 kg	60 A
250 mm	Top Hung	1200 mm	400 mm	16 kg	65 A
300 mm	Top Hung	1200 mm	550 mm	20 kg	60 A
400 mm	Top Hung	1200 mm	750 mm	21 kg	60 A
500 mm	Top Hung	1000 mm	1000 mm	24 kg	52 A
600 mm	Top Hung	1200 mm	1200 mm	35 kg	38 A
300 mm	Side Hung	600 mm	1300 mm	22 kg	60 A
400 mm	Side Hung	700 mm	1300 mm	24 kg	60 A

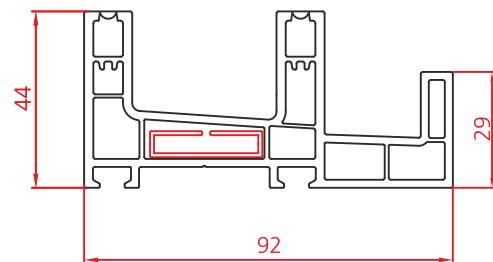




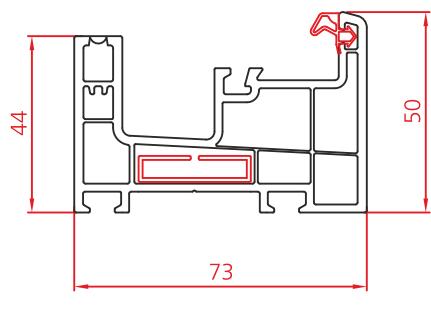
Sliding Frame Profile



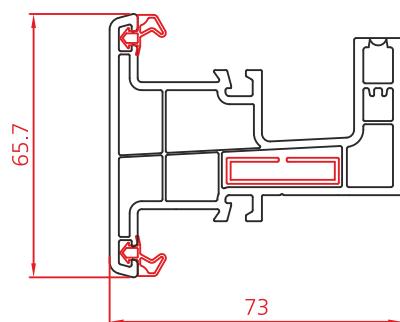
Sliding Frame Profile With Lining



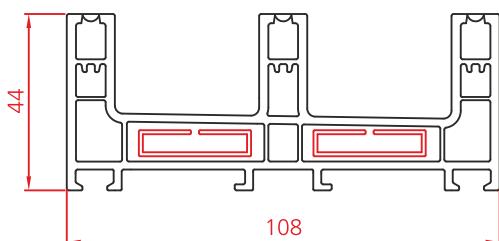
Sliding Frame Profile With Outside Fly Screen



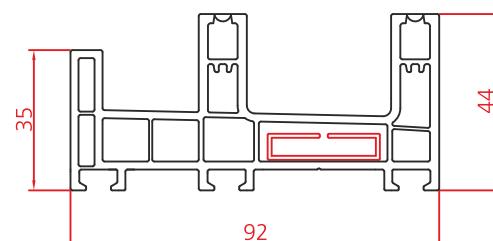
Sliding Fix Frame Profile



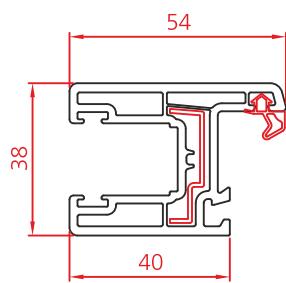
Sliding Fix Horizontal Mullion Profile



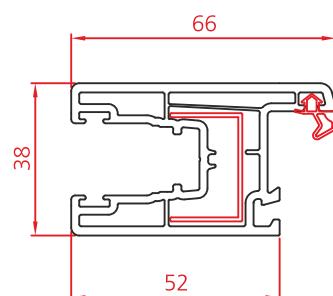
Three Track Sliding Frame Profile



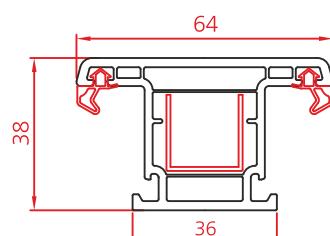
Frame Profile With Inside Fly Screen



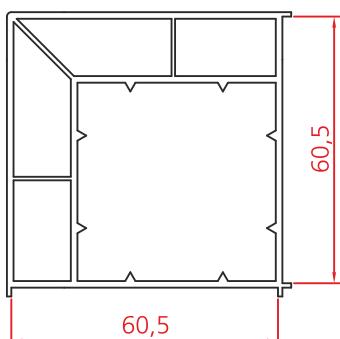
Sliding Small Sash Profile



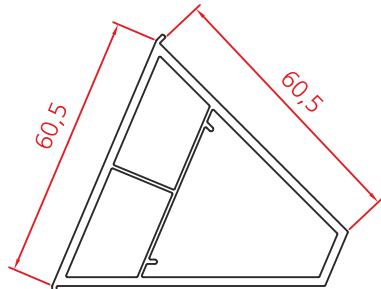
Sliding Big Sash Profile



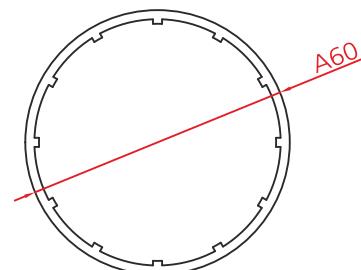
Sliding Mullion Profile



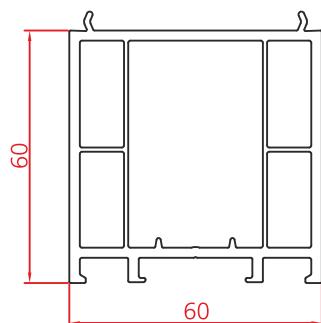
Angled Post Box 90° Profile



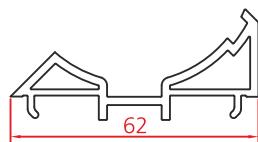
Angled Post Profile



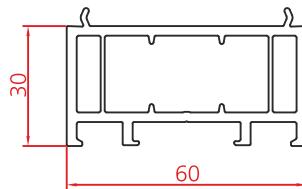
Angled Post Pipe Profile



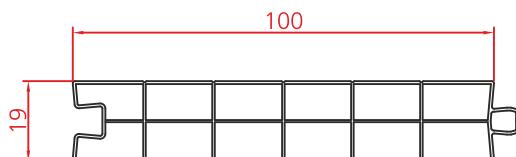
Frame Elevation Profile (60 mm)



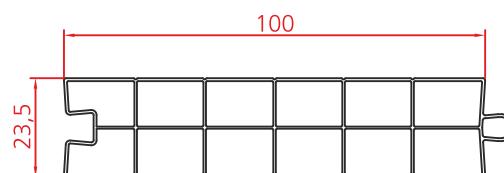
Angled Post Adapting Profile



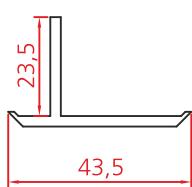
Frame Elevation Profile (30 mm)



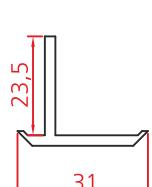
Lambri Profile



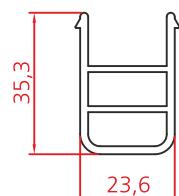
Lambri Profile (24x100 mm)



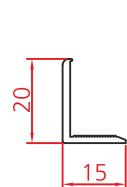
Wide Asymmetrical T Profile



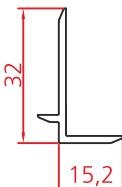
Narrow Asymmetrical T Profile



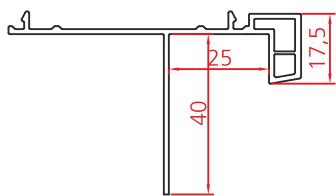
Frame Base Montage Profile



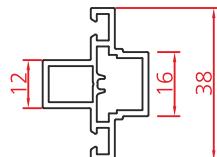
Cornerpiece Profile



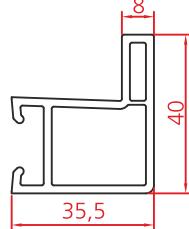
T Profile



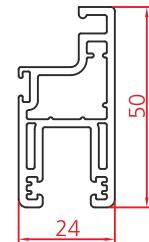
T Lining For Sliding Frame



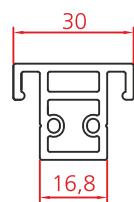
Andes Sliding Sash Adapting Profile



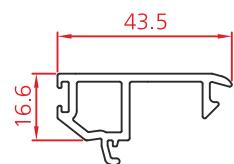
Sliding Fly Swatter Frame



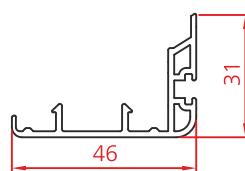
Fly Swatter Sash



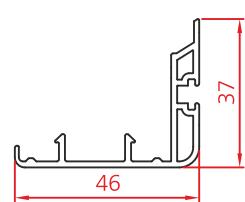
Sliding Fly Swatter Mullion



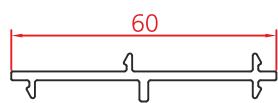
Sliding Fix Frame Closing Profile



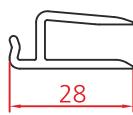
Sliding Small Sash Closing Profile



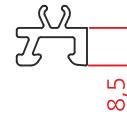
Sliding Big Sash Closing Profile



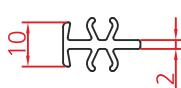
Frame connection profile



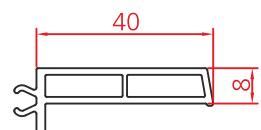
Lining Adapting Profile



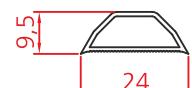
Lining Leading Profile



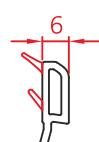
Coupling Profile



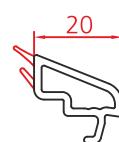
Zero Based Lining Profile



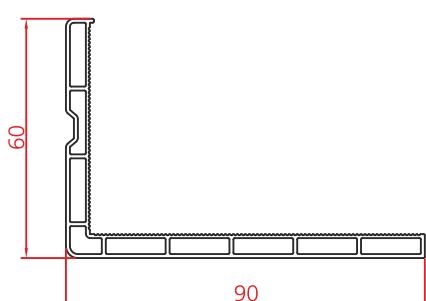
Pane Separating Profile



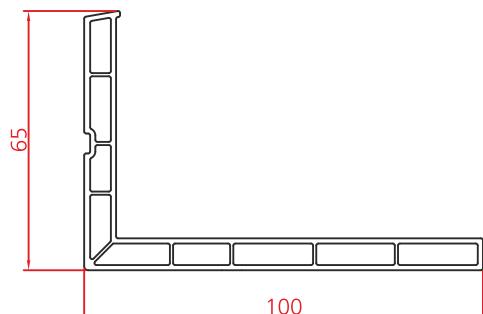
20-24 mm Double Glazing Bead



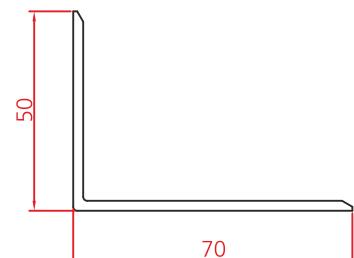
5 mm Single Glazing Bead



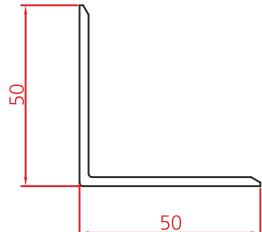
60x90 Lining Profile



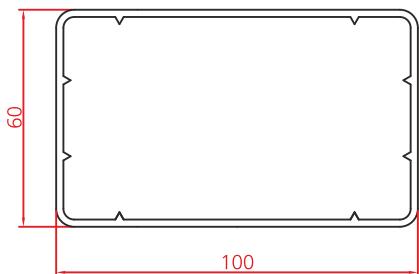
65x100 Lining Profile



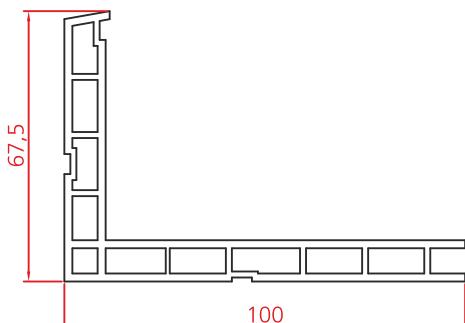
50x70 Lining Profile



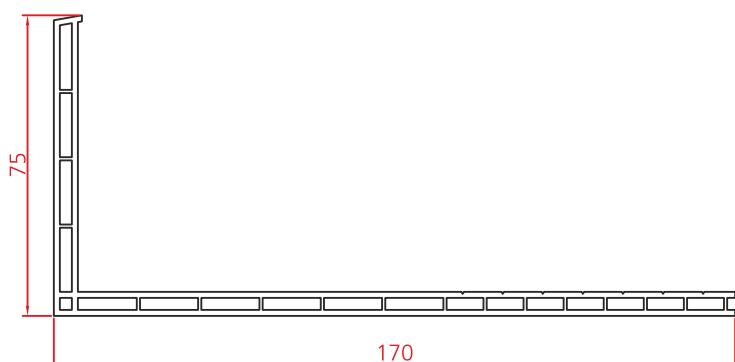
50x50 Lining Profile



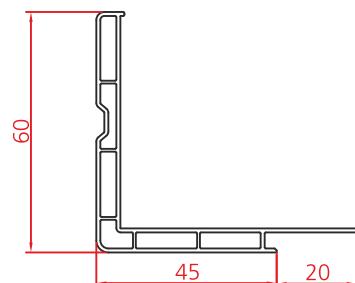
60x100 Box Profile



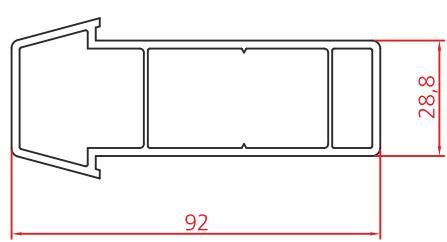
67,5x100 Lining Profile



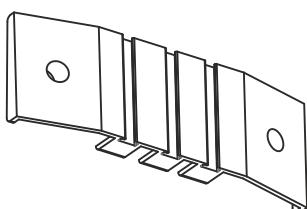
75x170 Lining Profile



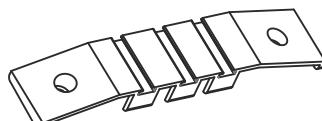
60x45 Lining Profile



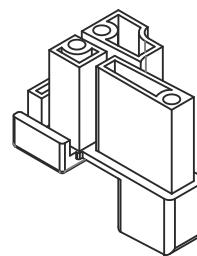
U Box Profile (Midi)



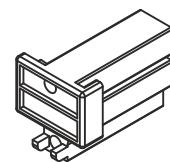
Sliding Stopper



Sliding Fix Frame Stopper



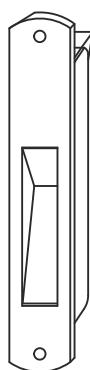
Horizontal Mullion Connector



Vertical Mullion Connector



Aluminium Sliding Rail Profile

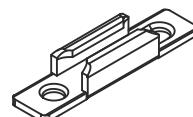


Hidden Handle For Sliding Small Sash

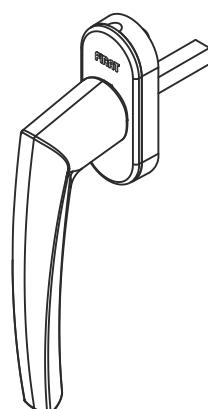
Striker Of Hidden Handle for Sliding Small Sash



Sliding Hidden Handle For Big Sash



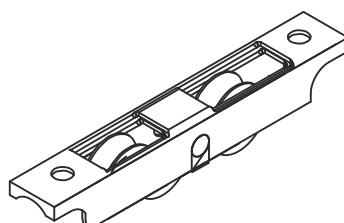
Sliding Espagnolette Striker



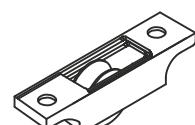
Window Handle



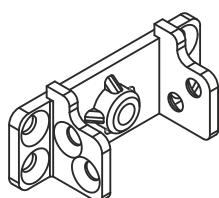
Sliding Espagnolette (7,5 Axis)



Roller for Sliding Small - Big Sash



Fly Screen Sash Roller



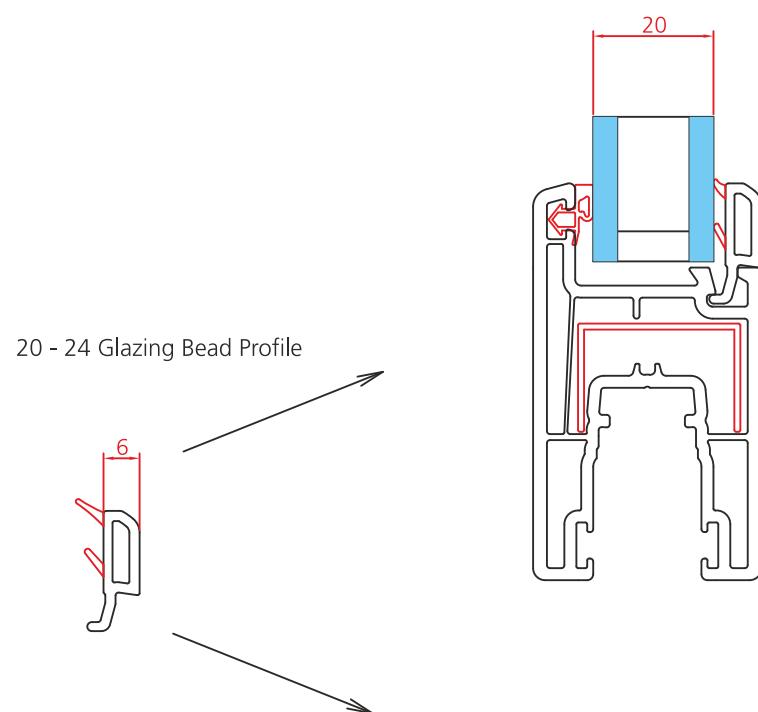
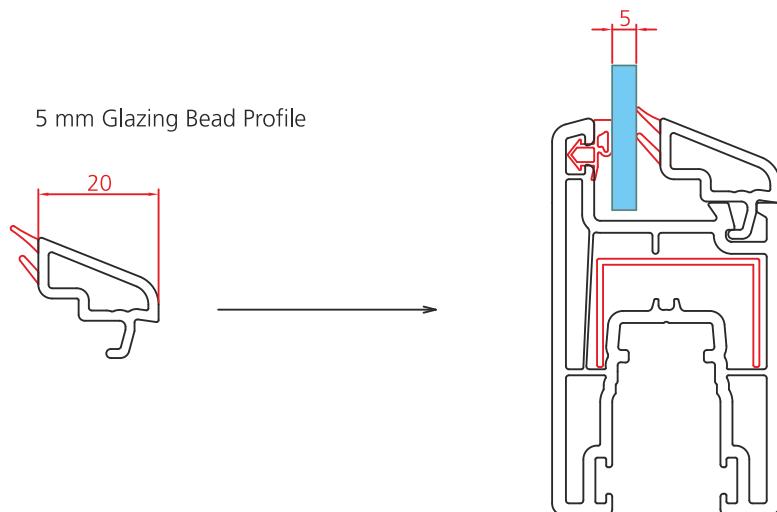
Mullion Connector



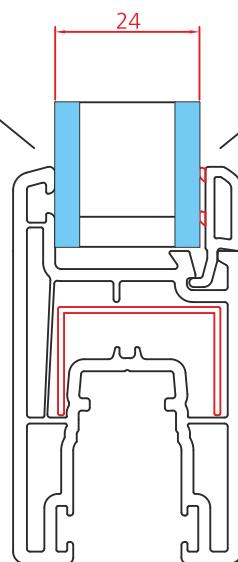
Montage Plug

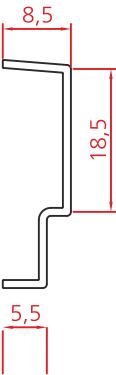
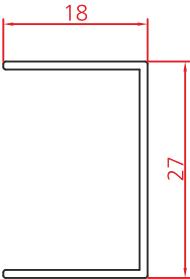
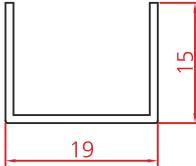
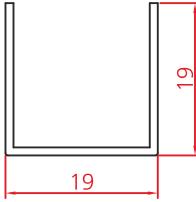


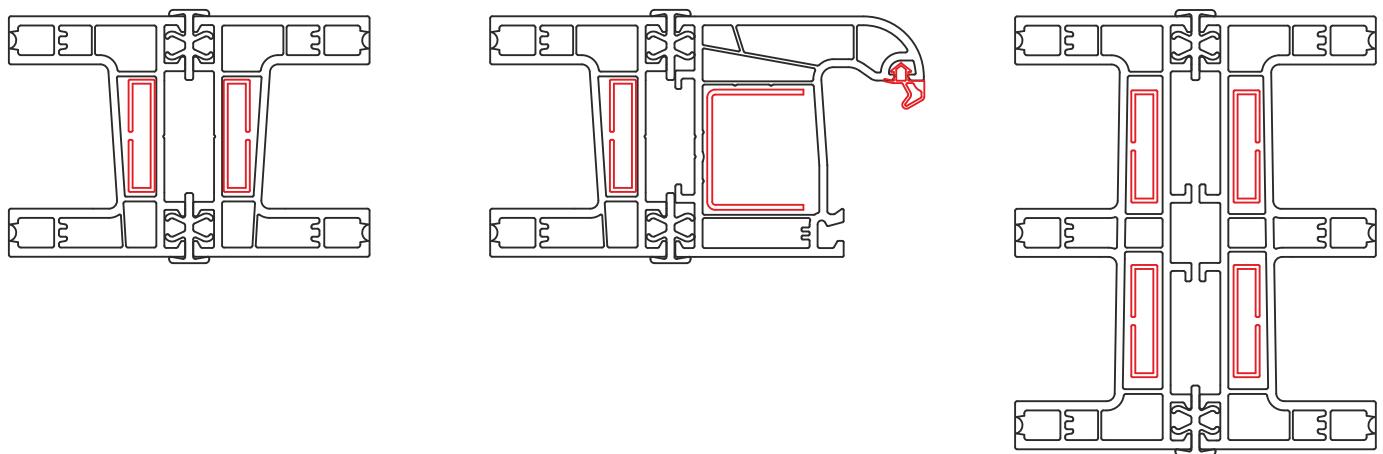
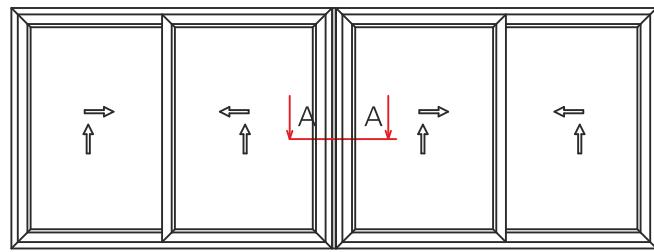
Windshield



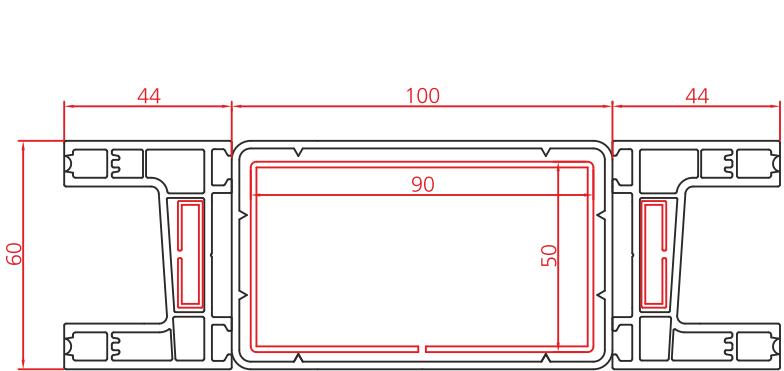
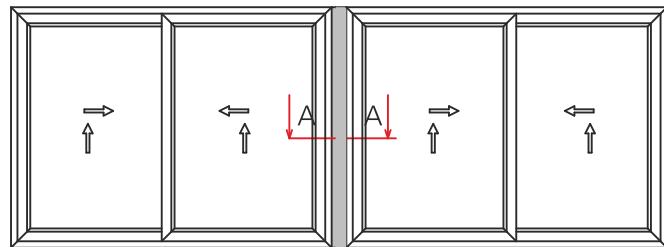
The Frame Seal Is Removed To Use 24 mm Glass      24 mm Glass Is Used Cutting The Junquillo Seal



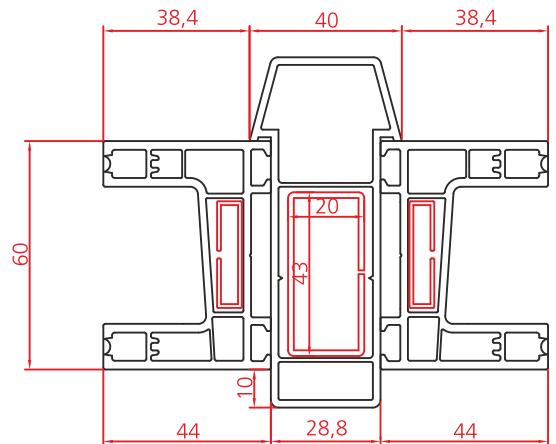
THE PLACE OF USE	MEASUREMENTS
Sliding Frame Sliding Frame With Lining Sliding Fix Frame Three Track Sliding Frame Frame Profile With Fly Screen Sliding Fix Horizontal Mullion	
Sliding Small Sash	
Sliding Big Sash	
Sliding Mullion (Andes Mullion & Outside Opening Sash)	
Andes 38 mm Frame	



Application of Box Profiles

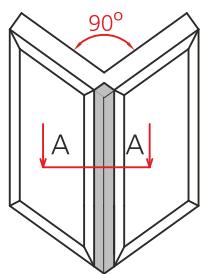


Application of 60x100 Box Profile

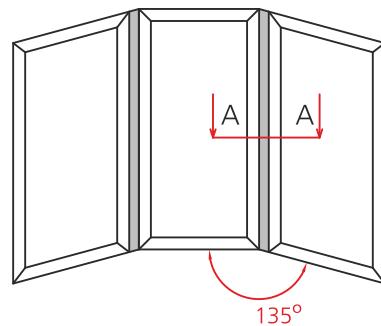


Application of U Box Profile (Midi)

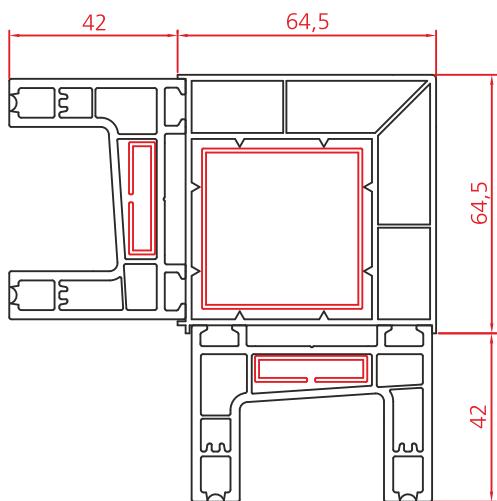
## CORNER APPLICATIONS



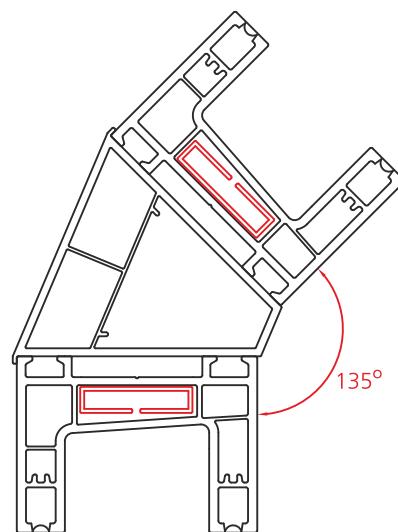
Application Angled Post Box 90°



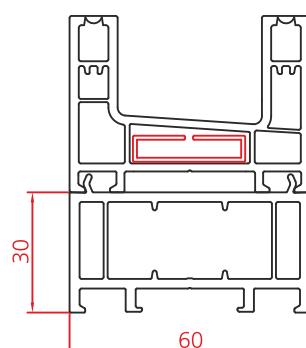
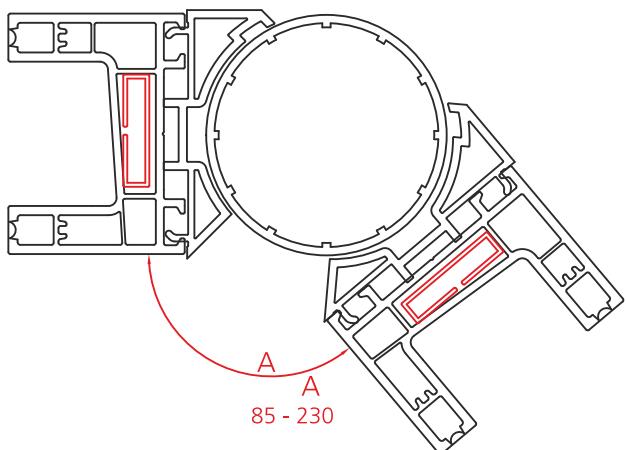
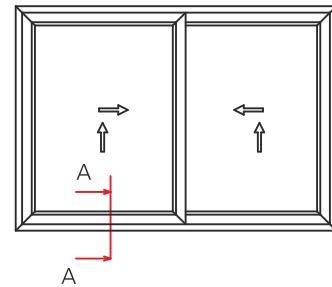
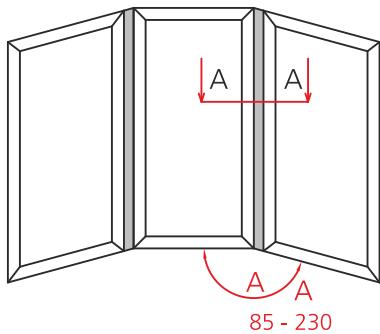
Application Angled Post Box 135°



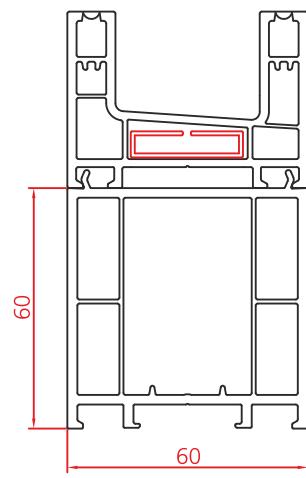
Application Angled Post Pipe Profile



Application of Frame Elevation

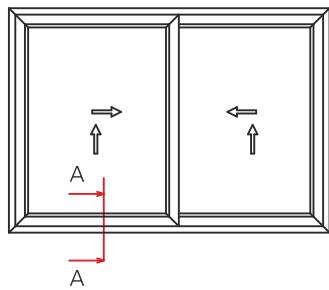


30 mm Frame Elevation

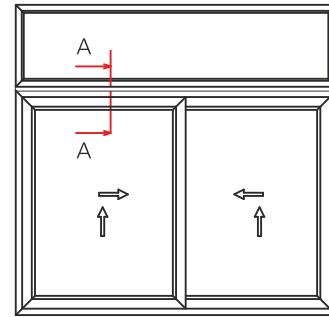


60 mm Frame Elevation

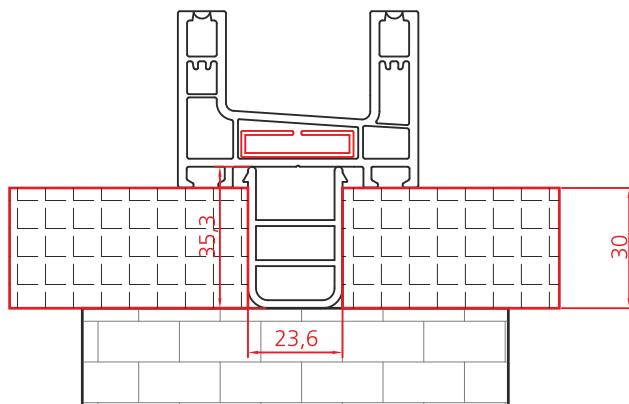
## APPLICATION OF COMPLEMENTARY PROFILES



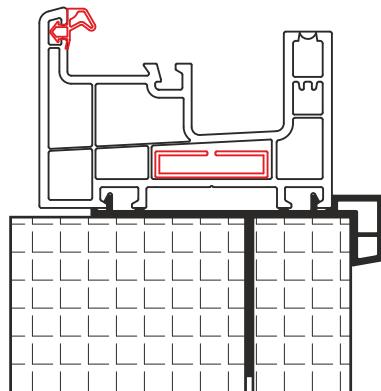
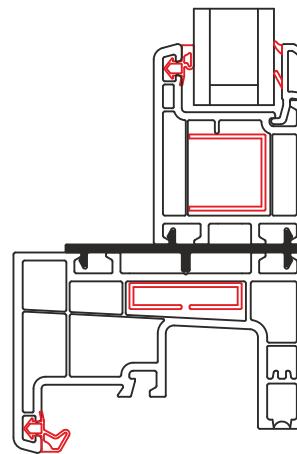
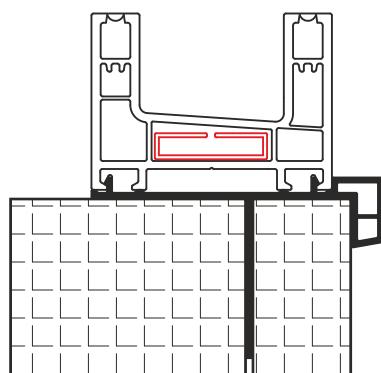
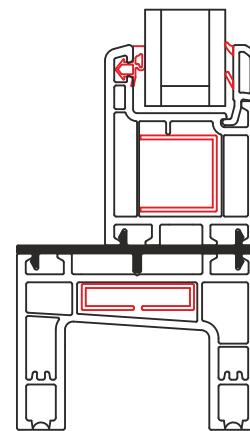
Application of Frame Base Montage



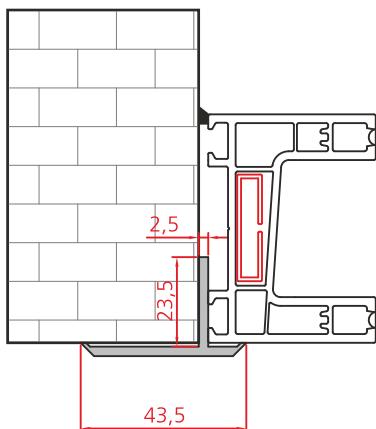
Application of Frame Base Montage



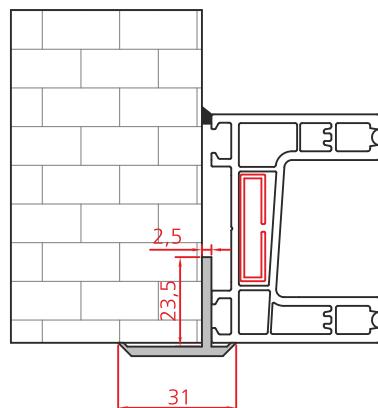
Application of T Lining



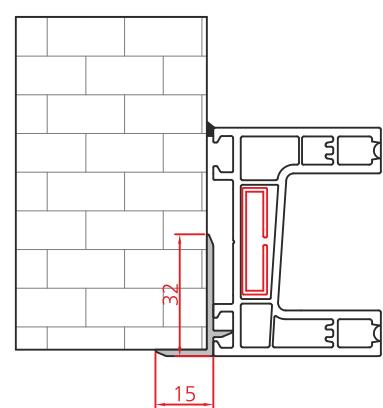
Application of Andes Frame Connection



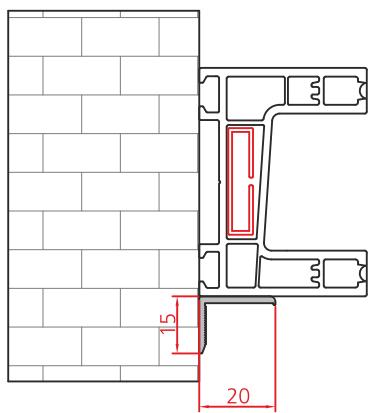
Application of Wide Asymmetrical T



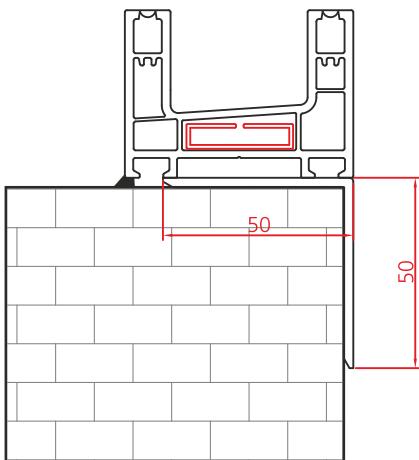
Application of Narrow Asymmetrical T



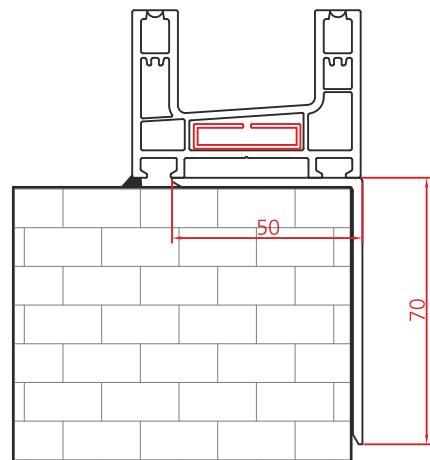
Application of T Lining



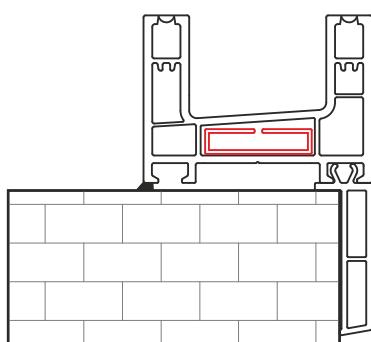
Application of Cornerpiece



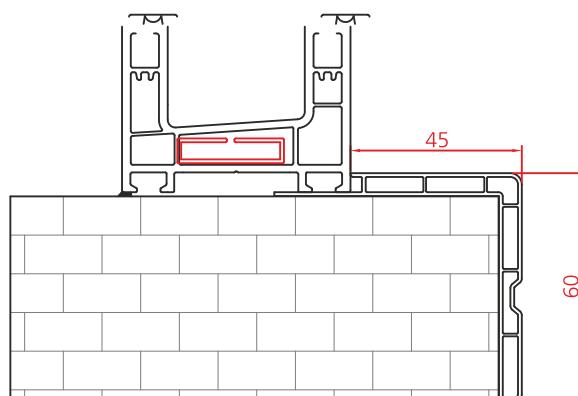
Application 50x50 Lining



Application 50x70 Lining

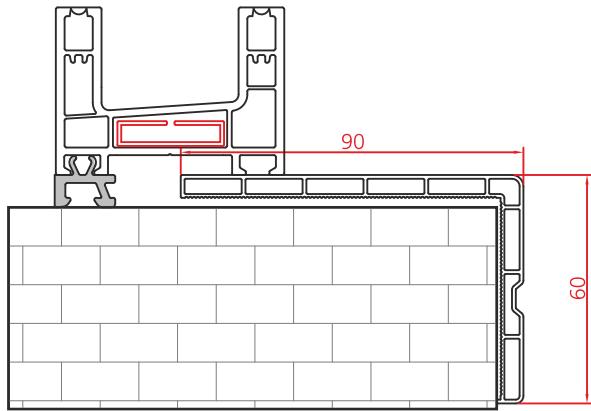


Application of Zero Based Lining

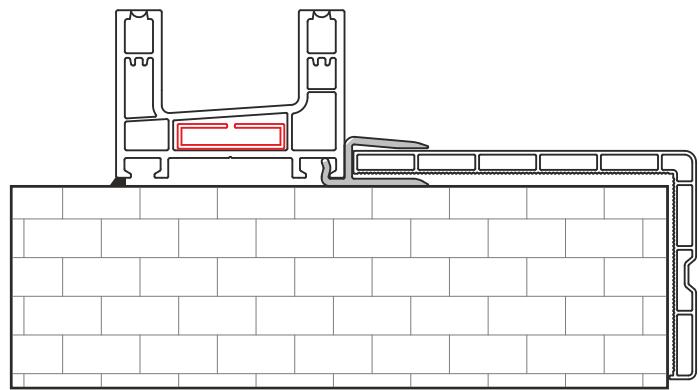


Application of 60x45 Lining

Application of 60x90 Lining

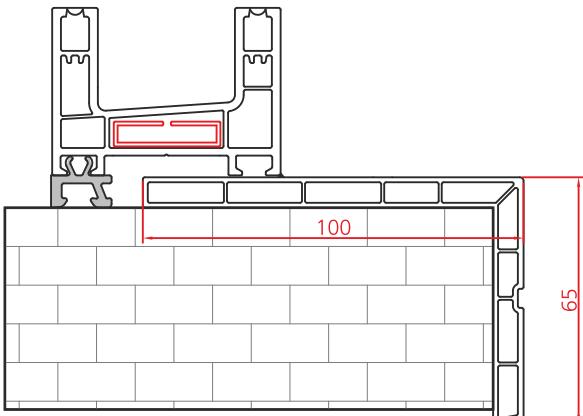


Application of Lining Leading

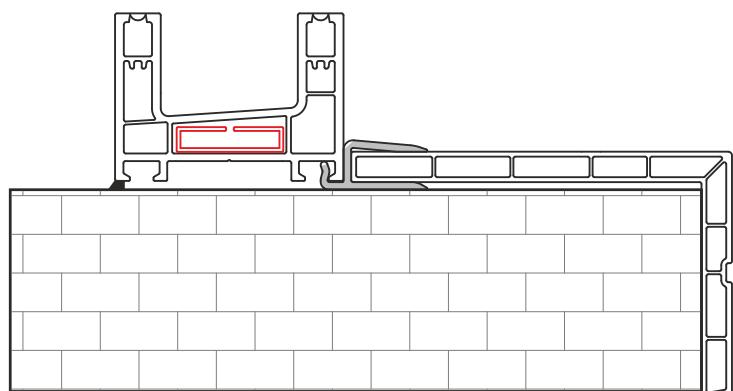


Application of Lining Adapting Profile

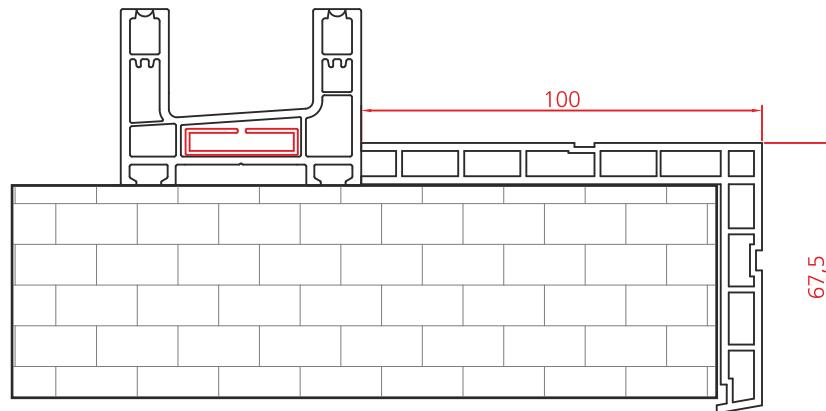
Application of 65x90 Lining



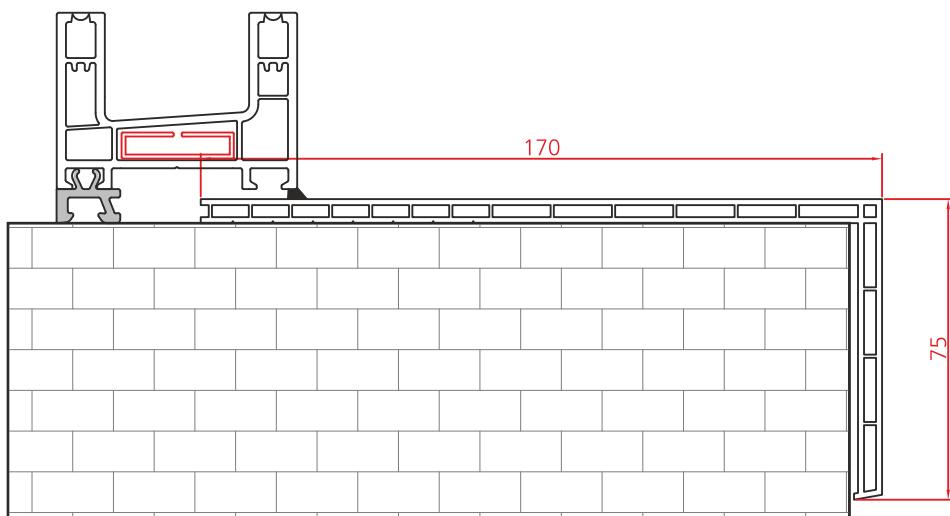
Application of Lining Leading



Application of Lining Adapting Profile

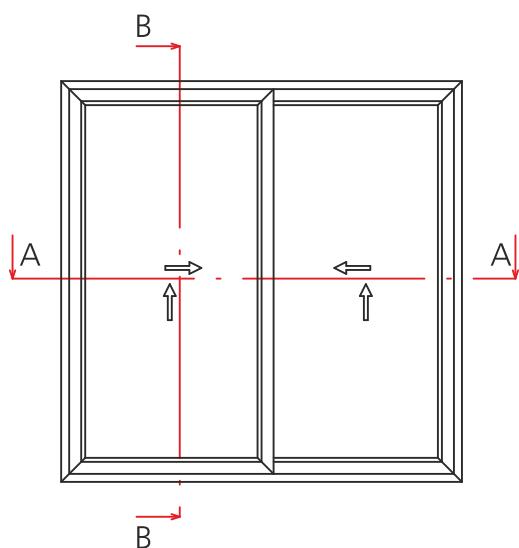
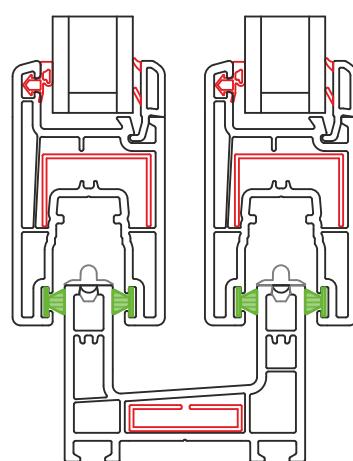
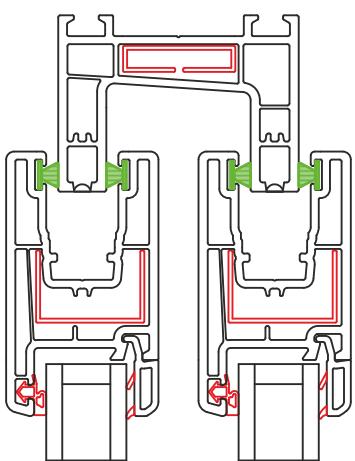


Application of 67,5 x100 Lining

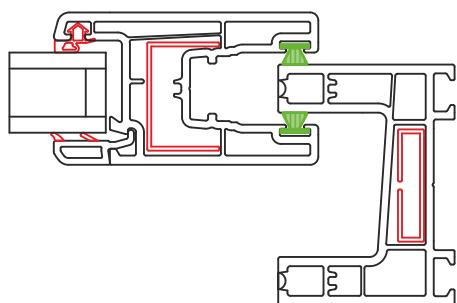
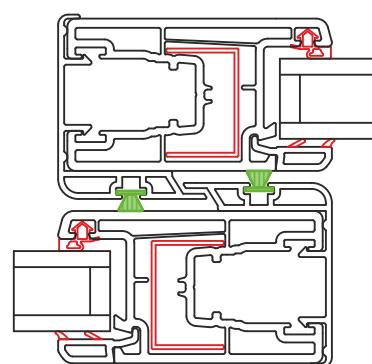
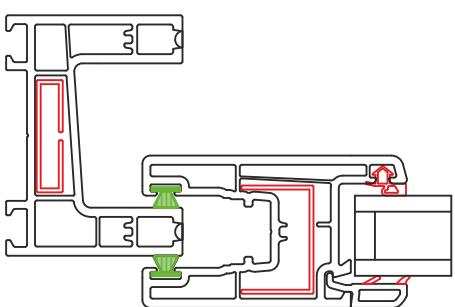


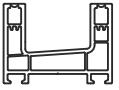
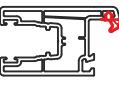
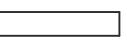
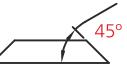
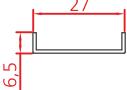
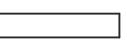
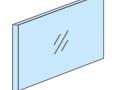
Application of 75x170 Lining

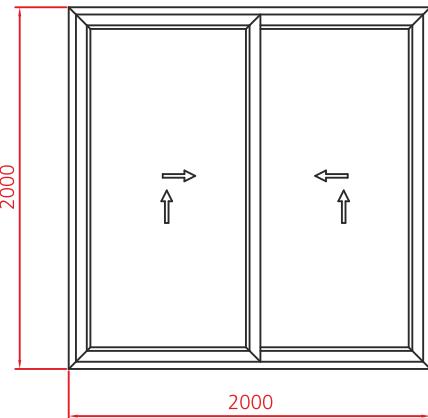
B - B



A - A

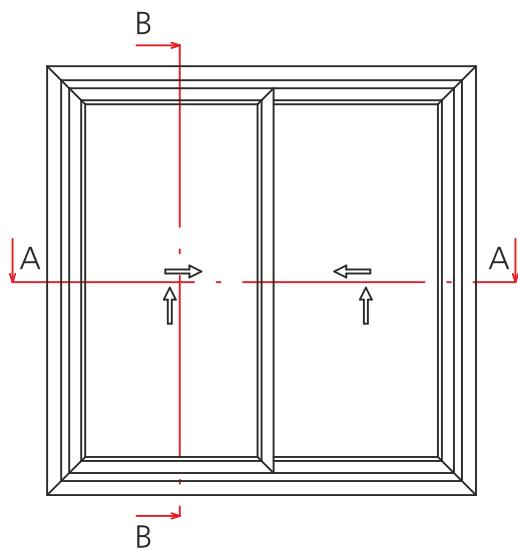
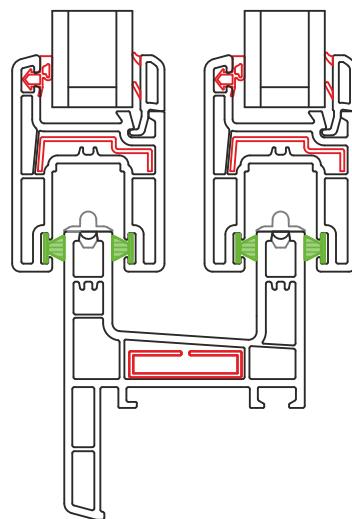
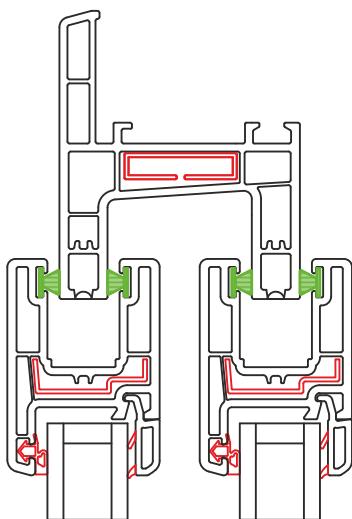


Product	Name	Cutting Measures	Quantity	Cutting
	Frame Vertical	2006 mm	2	
	Frame Horizontal	2006 mm	2	
	Sliding Big Sash Vertical	1938 mm	4	
	Sliding Big Sash Horizontal	1001,85 mm	4	
	Sliding Big Sash Closing	1932 mm	2	
	Glazing Bead Vertical	1828 mm	4	
	Glazing Bead Horizontal	891,85 mm	4	
	Reinforcement Steel of Frame Vertical	1882 mm	2	
	Reinforcement Steel of Frame Horizontal	1882 mm	2	
	Reinforcement Steel of Big Sash Vertical	1798 mm	4	
	Reinforcement Steel of Big Sash Horizontal	861,85 mm	4	
	Aluminium Sliding Rail Profile	1912 mm	2	
	Sliding Espagnolette (7,5 Axis)	1800 mm	2	-----
	Glass – Vertical	598 mm	2	-----
	Glass – Horizontal	1818 mm		

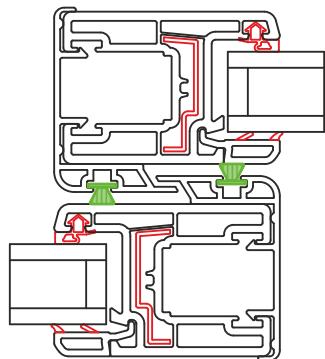
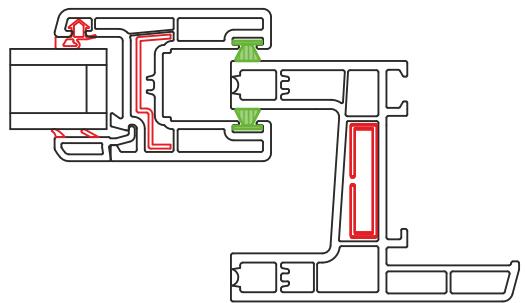
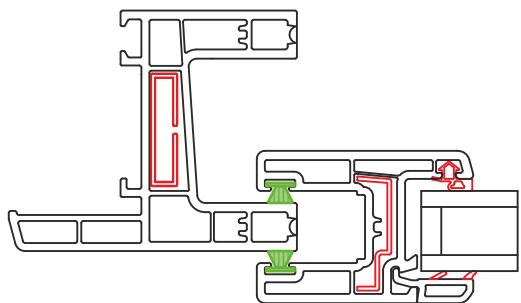


Product	Name	Quantity
	Hidden Handle for Big Sash	1
	Window Handle	1
	Andes Sliding Stopper For Frame	2
	Sliding Espagnolette Striker	8
	Roller For Sliding	6
	6,7x5,5 mm Brush	20 mt

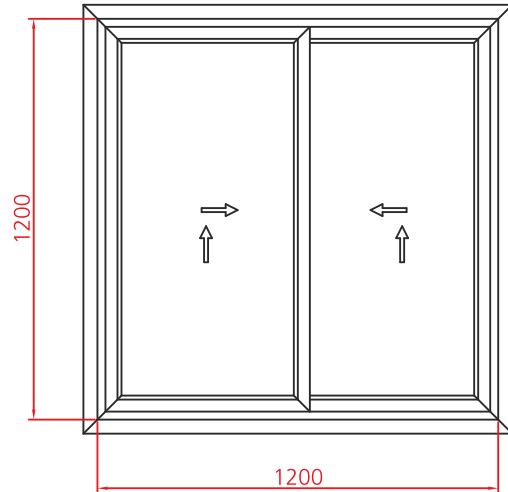
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A - A



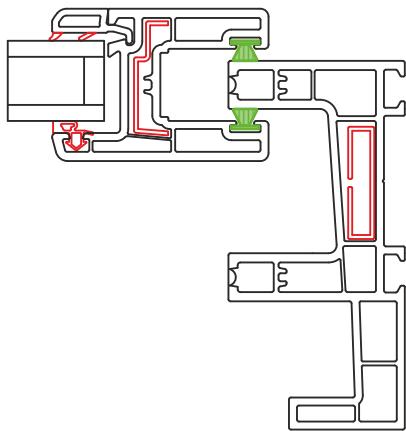
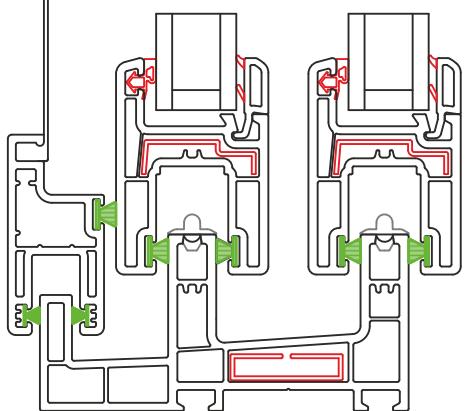
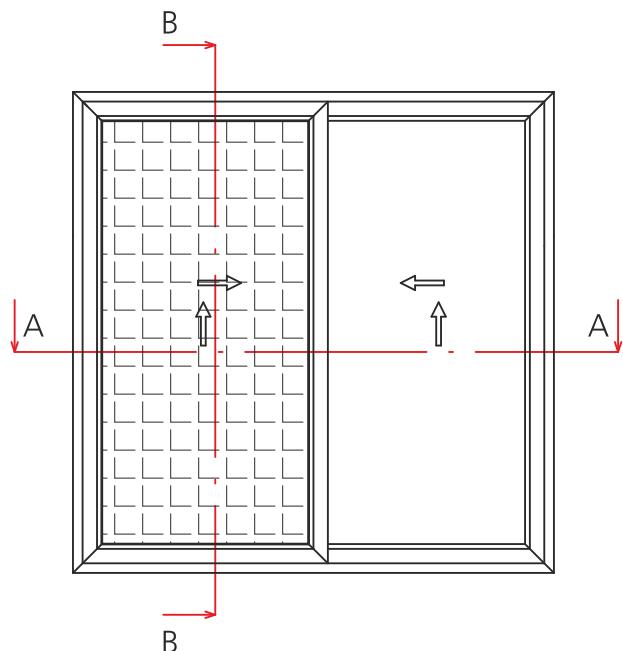
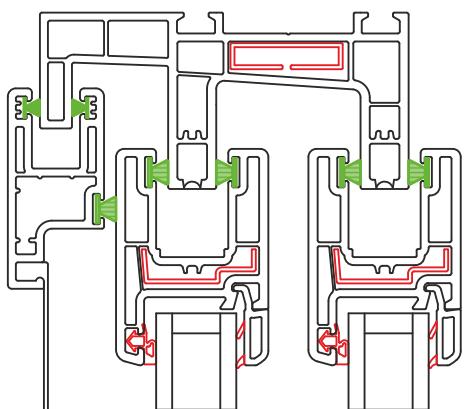
Product	Name	Cutting Measures	Quantity	Cutting
	Frame Vertical	1255,8	2	
	Frame Horizontal	1255,8	2	
	Sliding Small Sash Vertical	1138	4	
	Sliding Small Sash Horizontal	595,85	4	
	Sliding Small Sash Closing	1132	2	
	Glazing Bead Vertical	1052	4	
	Glazing Bead Horizontal	509,85	4	
	Reinforcement Steel of Frame Vertical	1026,2	2	
	Reinforcement Steel of Frame Horizontal	1026,2	2	
	Reinforcement Steel of Small Sash Vertical	1022	4	
	Reinforcement Steel of Small Sash Horizontal	479,85	4	
	Aluminium Sliding Rail Profile	1112	2	
	Glass – Vertical	1042	2	-----
	Glass – Horizontal	499,85		



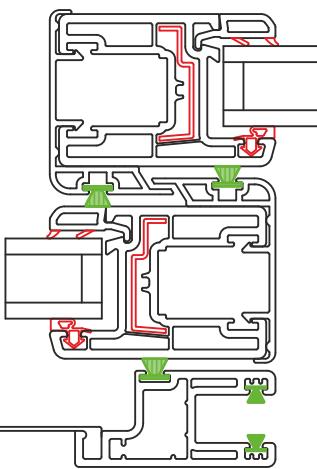
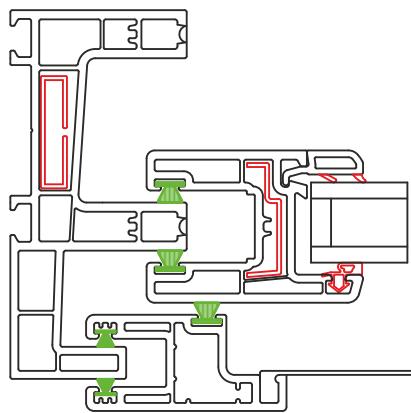
\*The External Dimensions are the Space Between The Windows, Except The Lining.

Product	Name	Quantity
	Hidden Handle for Sliding Small Sash And Striker	2
	Roller For Sliding	4
	Andes Sliding Stopper For Frame	2
	6,7x5,5 mm Brush	12 mt

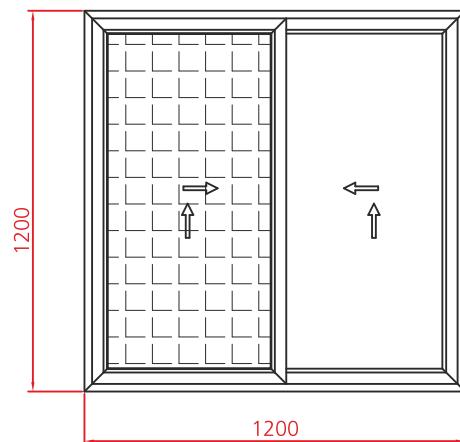
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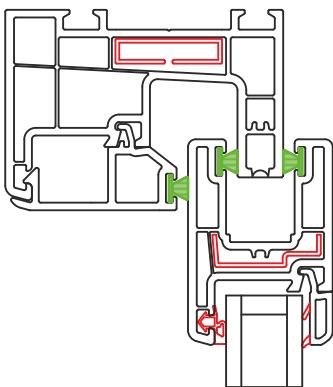
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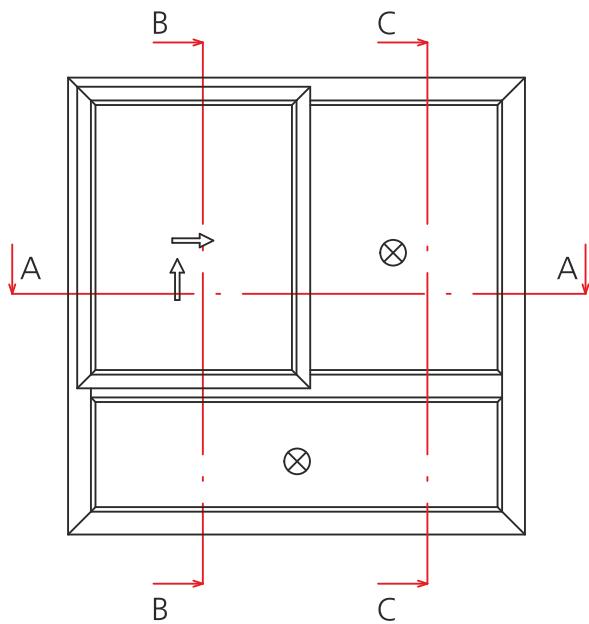
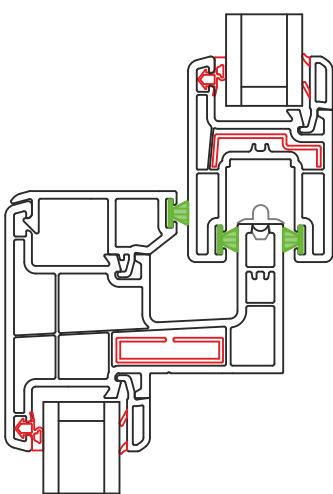
Product	Name	Cutting Measures	Quantity	Cutting
	Sliding Fix Frame Profile Vertical	1206	2	
	Sliding Fix Frame Profile Horizontal	1206	2	
	Sliding Small Sash Profile Vertical	1138	4	
	Sliding Small Sash Profile Horizontal	595,85	4	
	Sliding Small Sash Closing	1132	2	
	Sliding Fly Swatter Sash Vertical	1168,2	2	
	Sliding Fly Swatter Sash Horizontal	615,25	2	
	Glazing Bead Vertical	1052	4	
	Glazing Bead Horizontal	509,85	4	
	Reinforcement Steel of Frame Vertical	986	2	
	Reinforcement Steel of Frame Horizontal	986	2	
	Reinforcement Steel of Small Sash Vertical	1022	4	
	Reinforcement Steel of Small Sash Horizontal	479,85	4	
	Aluminium Sliding Rail	1112	2	
	Glass – Vertical	1042	2	
	Glass – Horizontal	499,85		



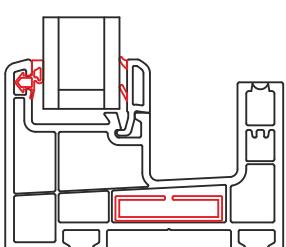
Product	Name	Quantity
	Hidden Handle for Sliding Small Sash And Striker	2
	Roller For Sliding	4
	Fly Screen Sash Roller	2
	Andes Sliding Stopper For Frame	2
	6,7x5,5 mm Brush	20 mt
	Mosquito Net	0,6 m²



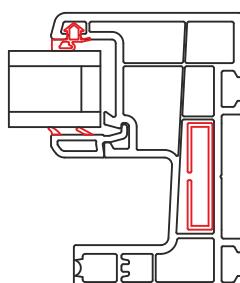
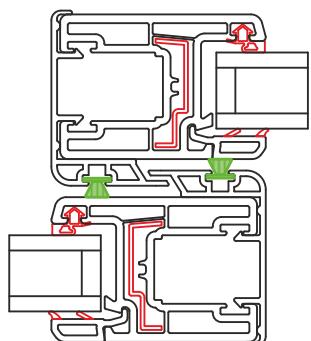
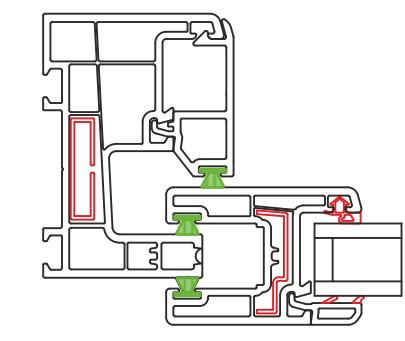
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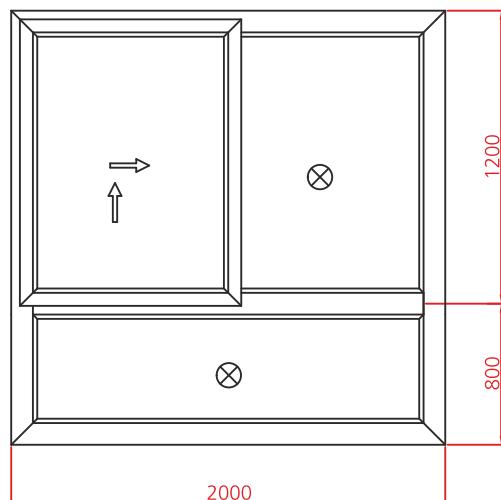
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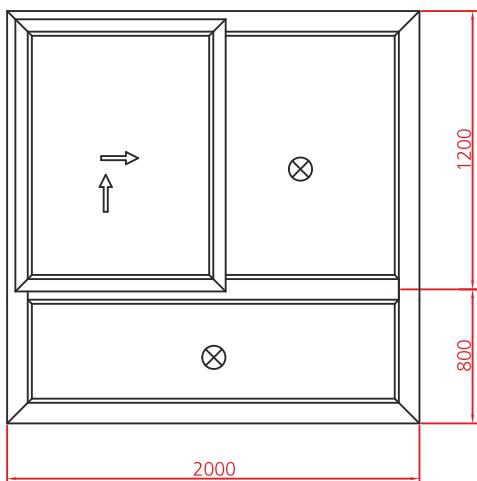
A - A



Product	Name	Cutting Measures	Quantity	Cutting
	Fix Frame Profile Vertical	2006	2	
	Fix Frame Profile Horizontal	2006	2	
	Sliding Big Sash Profile Vertical	1162	2	
	Sliding Big Sash Profile Horizontal	1001,85	2	
	Sliding Big Sash Profile Closing Profile (Vertical Mullion)	1156	1	
	Sliding Big Sash Closing Profile	1156	1	
	Sliding Big Sash Closing Profile (Vertical Mullion)	1150	1	
	Sliding Fix Horizontal Mullion Profile	1934	1	
	Glazing Bead Vertical (Sash)	1052,38 Moving Sash	2	
		1152,38 Right Fix	2	
	Glazing Bead Horizontal (Sash)	891,85 Moving Sash	2	
		943,85 Right Fix	2	
	Glazing Bead Vertical	737,91	2	
	Glazing Bead Horizontal	1928	2	
	Sliding Fix Frame Closing Profile Vertical	929,85	2	
	Sliding Fix Frame Closing Profile Horizontal	1152	1	
	Sliding Espagnolette (7,5 Axis)	1000	1	-----

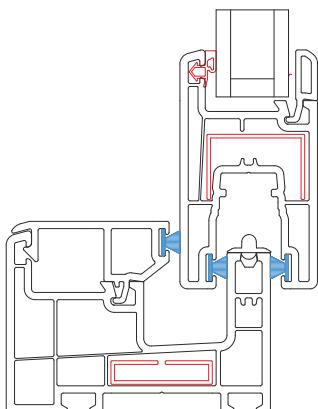
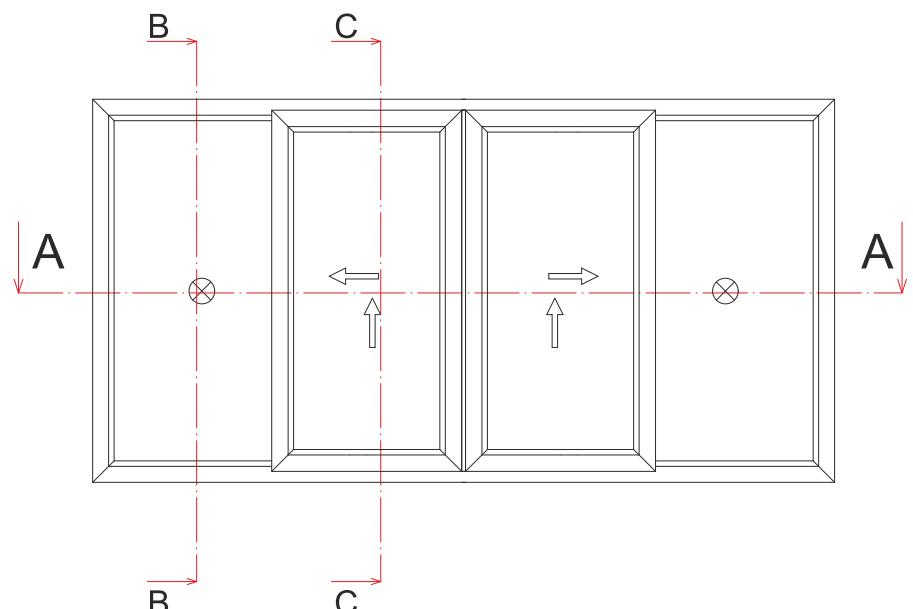
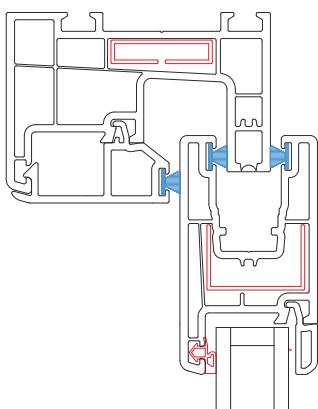


Product	Name	Quantity
	Window Handle	1
	Andes Roller for Sliding	2
	Espagnolette Striker	8
	Andes Sliding Stopper	2
	Andes Horizontal Mullion Connector	2
	Andes Ertical Mullion Connector	2
	6,7x5,5 mm Brush	11,5 mt

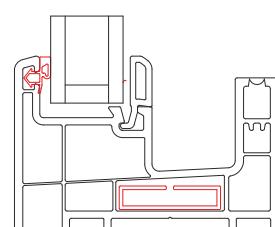
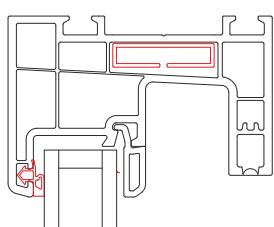


Product	Name	Cutting Measures	Quantity	Cutting
	Reinforcement Steel of Frame Vertical	1824	2	<input type="text"/>
	Reinforcement Steel of Frame Horizontal	1824	2	<input type="text"/>
	Reinforcement Steel Sliding Frame	1918	1	<input type="text"/>
	Reinforcement Steel of Big Sash Vertical	1028	2	<input type="text"/>
	Reinforcement Steel of Big Sash Horizontal	971,85	2	<input type="text"/>
	Reinforcement Steel for Sliding Door Profile (Vertical Mullion)	1140	1	<input type="text"/>
	Aluminium Sliding Rail	1912	1	<input type="text"/>
	Window Glass Vertical	1048	1	<input type="text"/>
	Window Glass Horizontal	991,85		
	Fix Right Glass Vertical	1042,38	1	<input type="text"/>
	Fix Left Glass Horizontal	933,85		
	Fix Bottom Glass Vertical	727,91	1	<input type="text"/>
	Fix Bottom Glass Horizontal	1918		

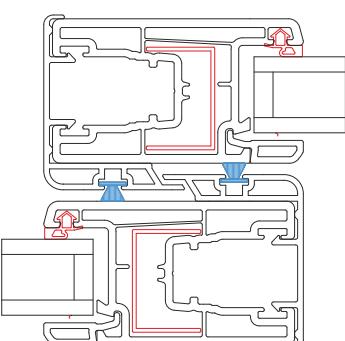
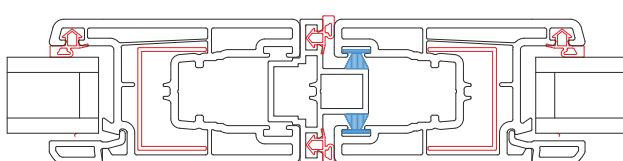
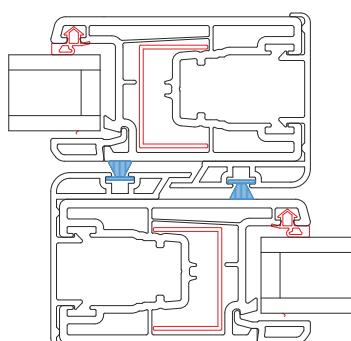
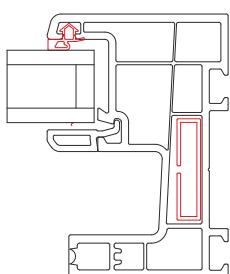
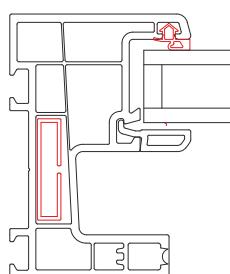
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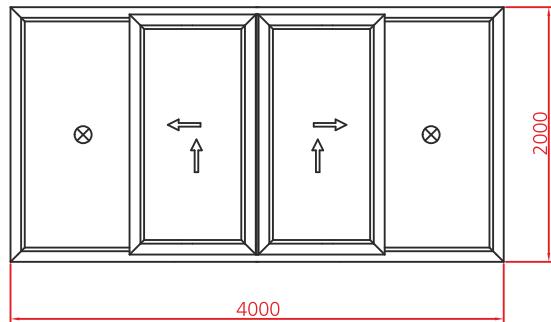
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A - A

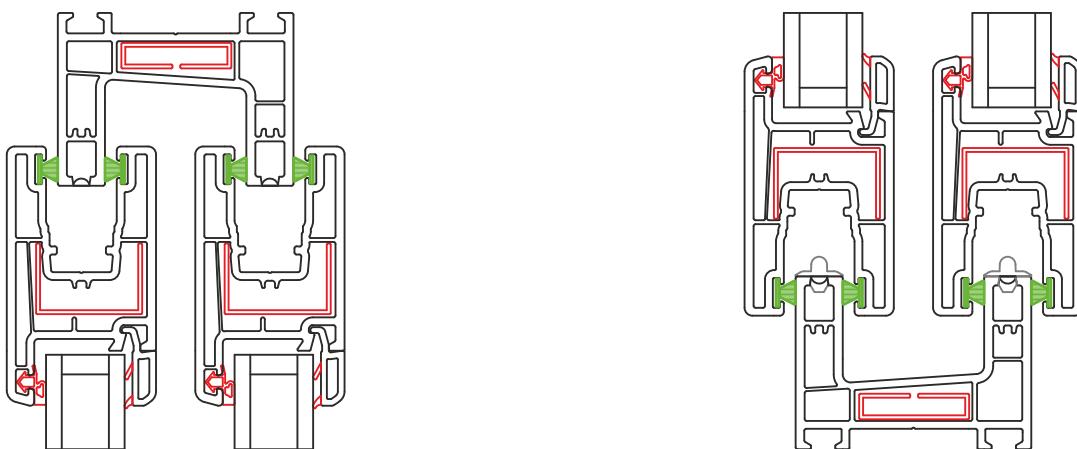


Product	Name	Cutting Measures	Quantity	Cutting
	Sliding Fix Frame Profile Vertical	2006	2	
	Sliding Fix Frame Profile Horizontal	4006		
	Sliding Big Sash Vertical	1938	4	
	Sliding Big Sash Horizontal	1013,61		
	Sliding Big Sash Profile Closing Profile (Vertical Mullion)	1934		
	Sliding Big Sash Closing	1932	2	
	Glazing Bead Vertical (Sash)	1828	4	
	Glazing Bead Vertical (Sash)	903,61	4	
	Glazing Bead Vertical (Fix)	1928	4	
	Glazing Bead Vertical (Fix)	963,6	4	
	Sliding Fix Frame Closing Profile	1890	2	
	Sliding Sash Adapting Profile	1902	1	
	Reinforcement Steel for Sliding Frame Vertical	1888	2	
	Reinforcement Steel for Sliding Frame Horizontal	1388		
	Reinforcement Steel of Big Sash Vertical	1804	4	
	Reinforcement Steel of Big Sash Horizontal	879,61		
	Reinforcement Steel Vertica Mullion	1918	2	
	Aluminium Sliding Rail Profile	3912	1	
	Sliding Espagnolette (7,5 Axis)	1800	1	-----
	Window Glass – Vertical	1818	2	-----
	Window Glass - Horizontal	893,6		
	Fix Glass – Vertical	1918	2	-----
	Fix Glass - Horizontal	953,6		

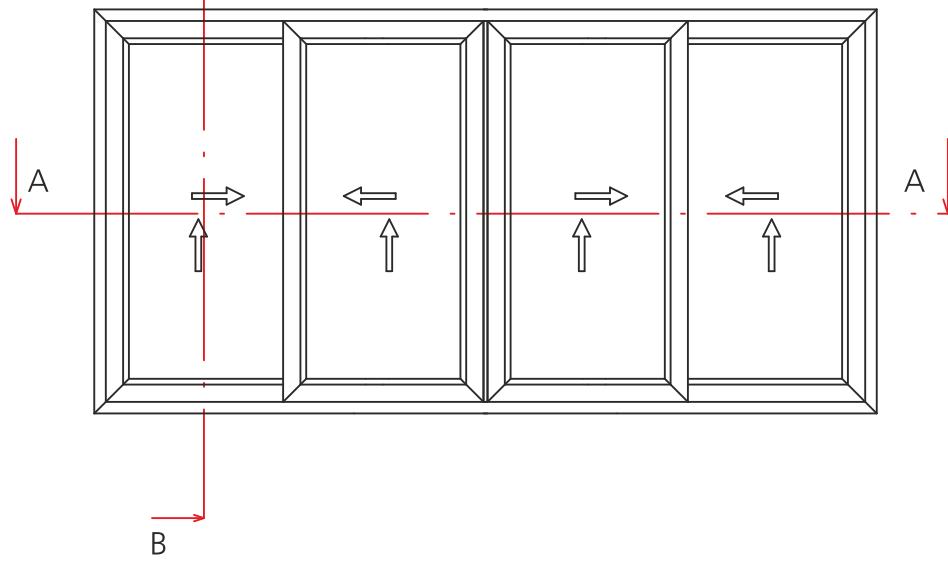


Product	Name	Quantity
	Window Handle	1
	Andes Sliding Stopper	4
	Sliding Espagnolette Striker	4
	Roller For Sliding	6
	6,7x5,5 mm Brush	23 mt

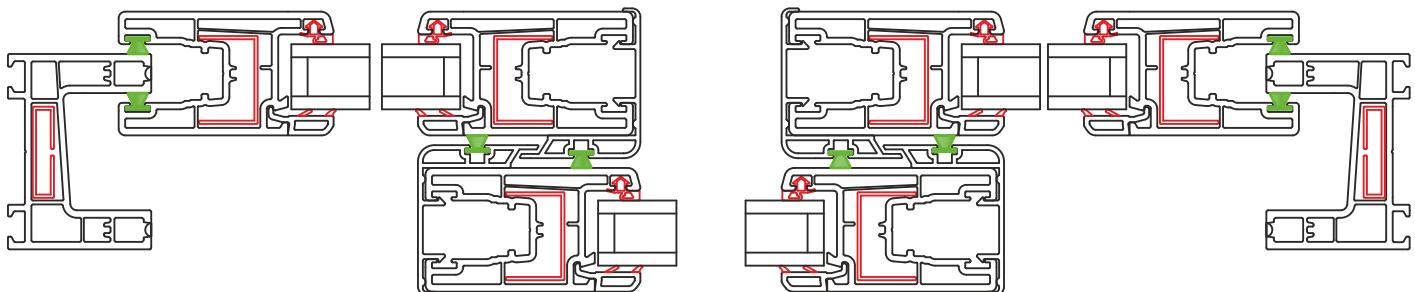
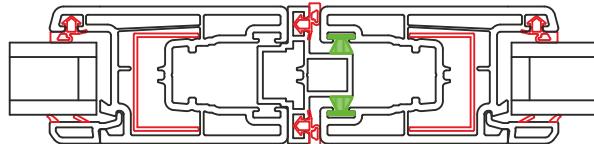
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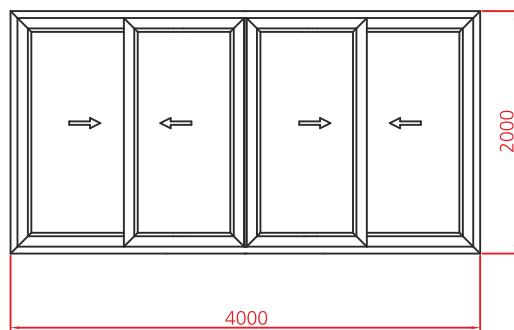
B



A - A

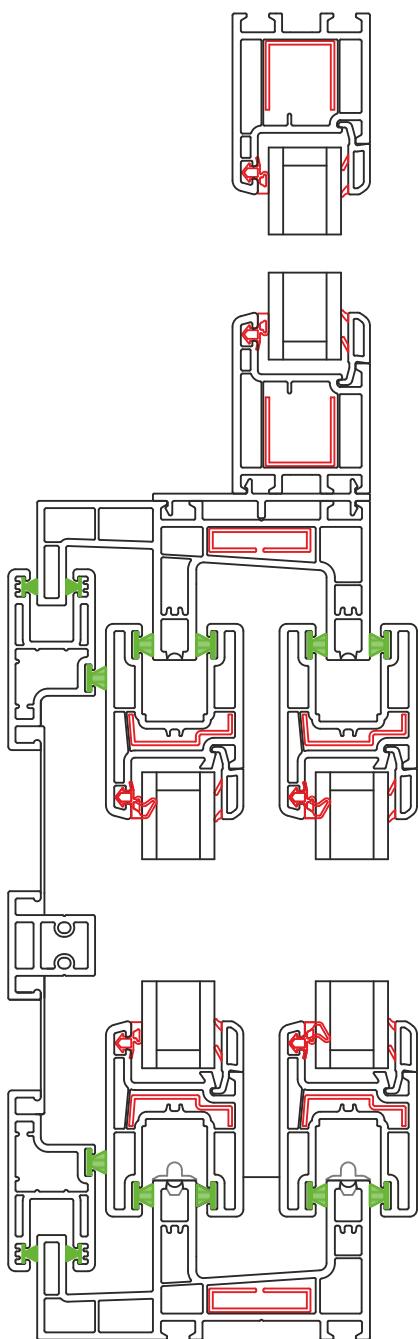


Product	Name	Cutting Measures	Quantity	Cutting
	Frame Vertical	2006 mm	2	
	Frame Horizontal	4006 mm	2	
	Sliding Big Sash Vertical	1938 mm	8	
	Sliding Big Sash Horizontal	1017,6 mm	8	
	Sliding Big Sash Closing	1932 mm	4	
	Glazing Bead Vertical (Sash)	1828 mm	8	
	Glazing Bead Vertical (Sash)	907,6 mm	8	
	Reinforcement Steel for Sliding Frame Vertical	3882 mm	2	
	Reinforcement Steel for Sliding Frame Horizontal	1882 mm	2	
	Reinforcement Steel of Big Sash Vertical	1798 mm	8	
	Reinforcement Steel of Big Sash Horizontal	987,6 mm	8	
	Aluminium Sliding Rail Profile	3912 mm	2	
	Sliding Espagnolette (7,5 Axis)	1800 mm	3	-----
	Window Glass Vertical	1818 mm	4	-----
	Window Glass Horizontal	897,6 mm		-----

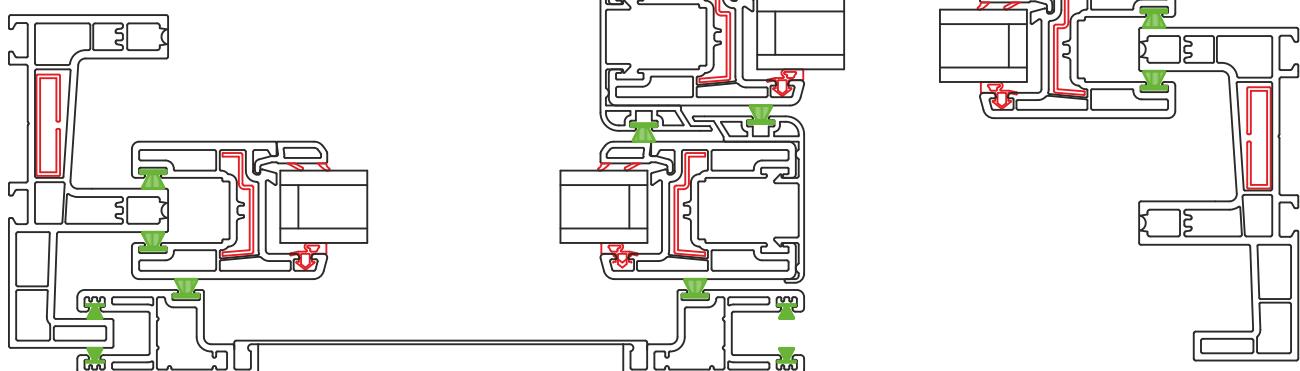
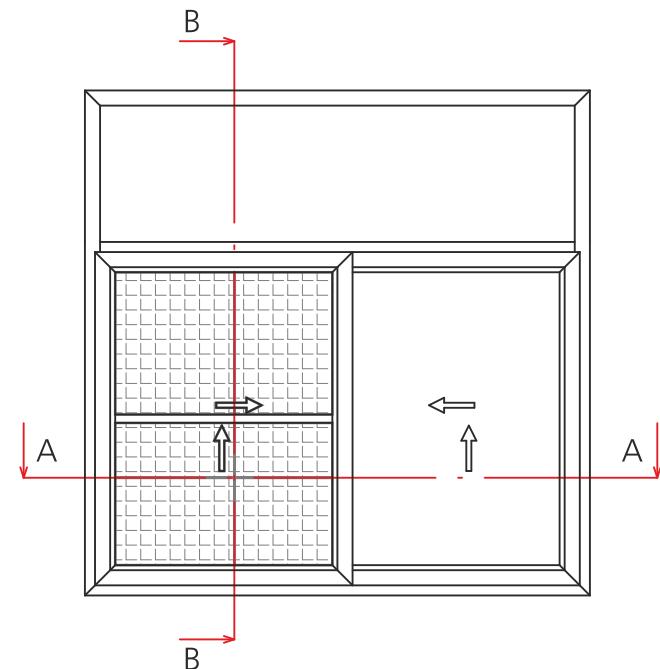


Product	Name	Quantity
	Sliding Hidden Handle For Big Sash	1
	Window Handle	1
	Andes Sliding Stopper	4
	Sliding Espagnolette Striker	4
	Roller For Sliding	6
	6,7x5,5 mm Brush	23 mt

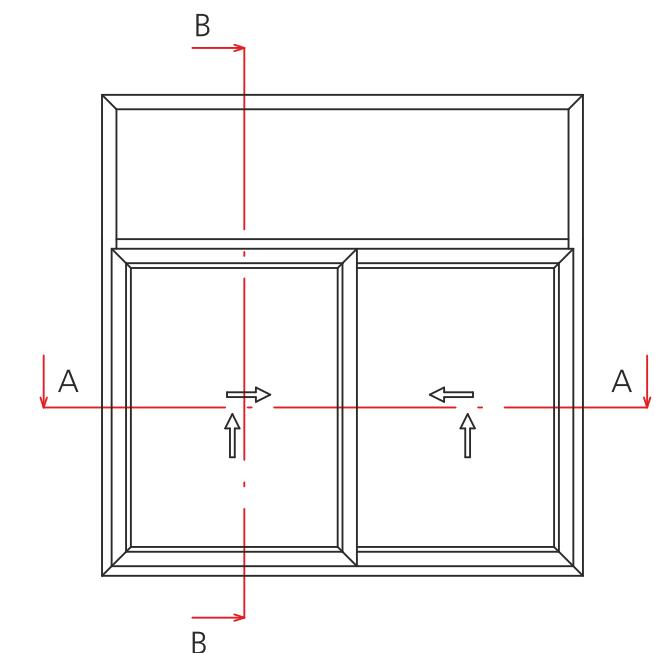
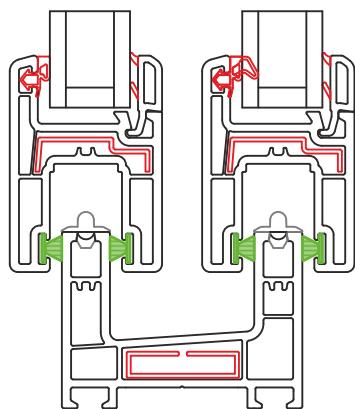
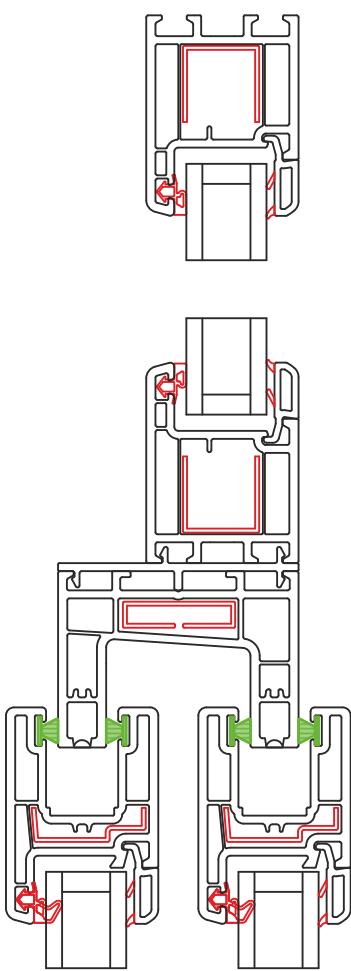
B - B



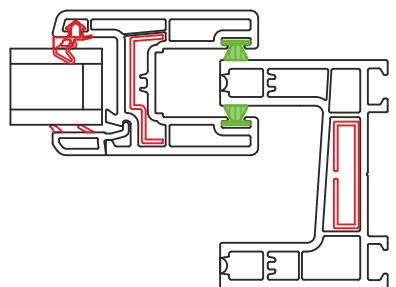
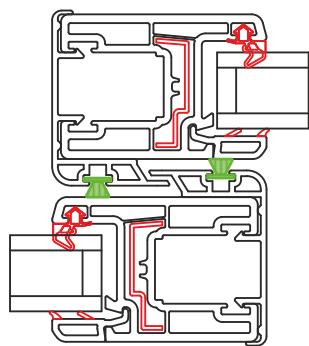
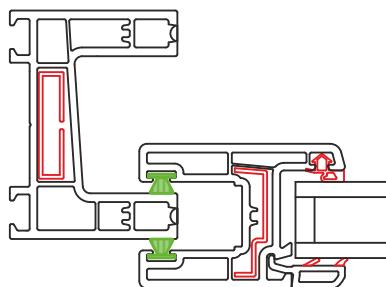
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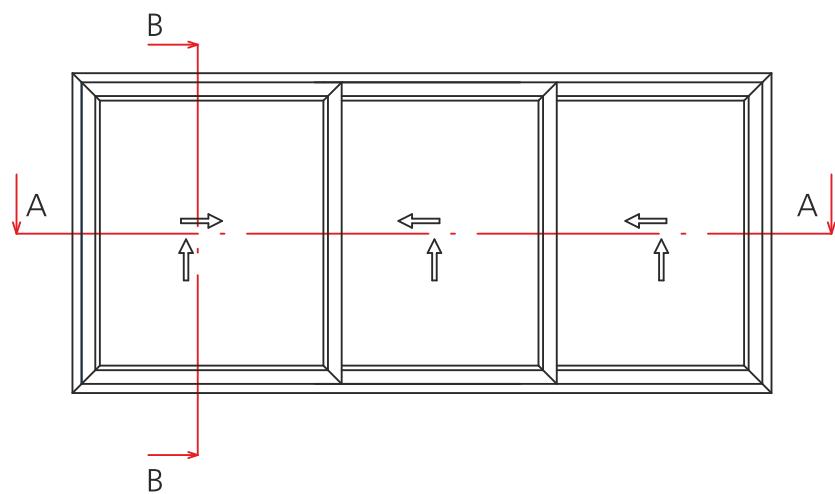
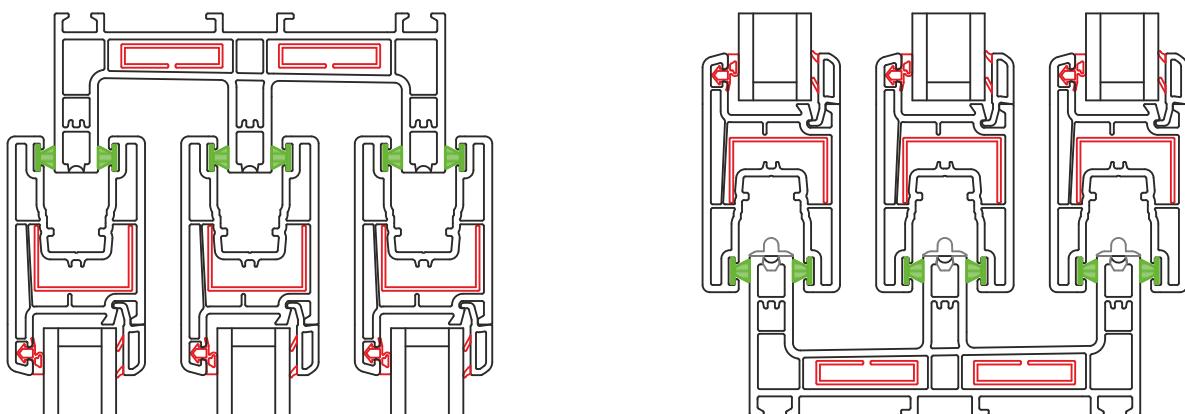
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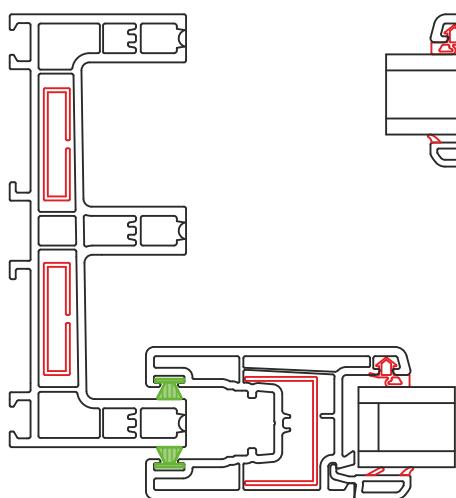
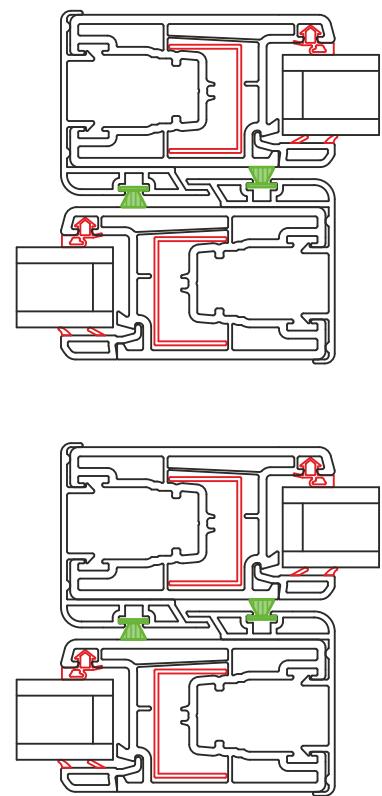
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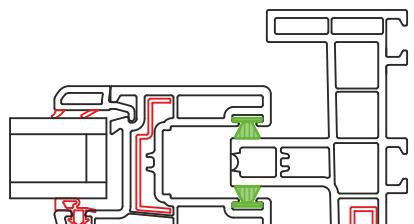
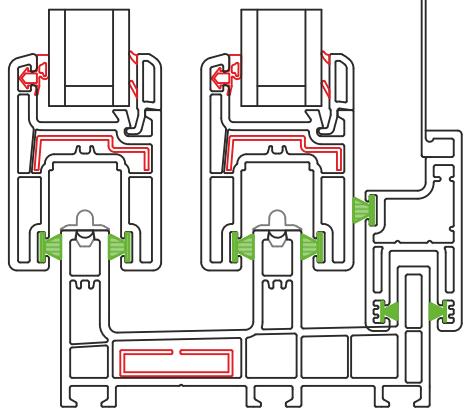
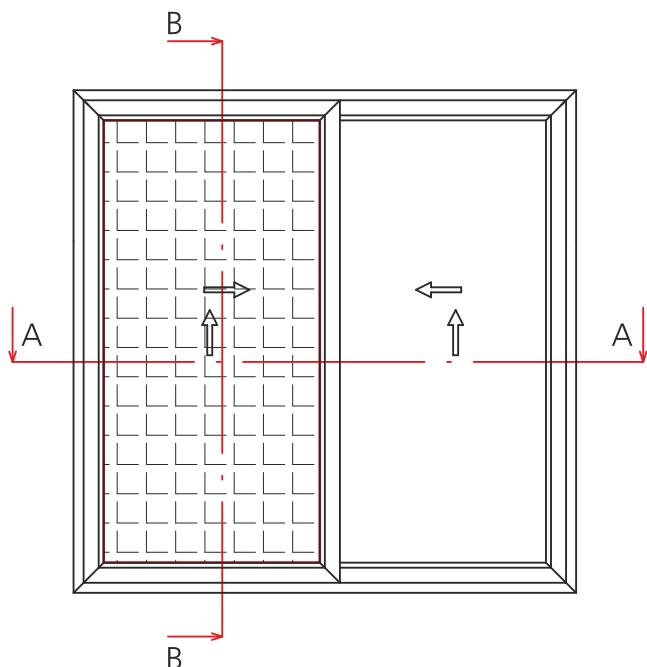
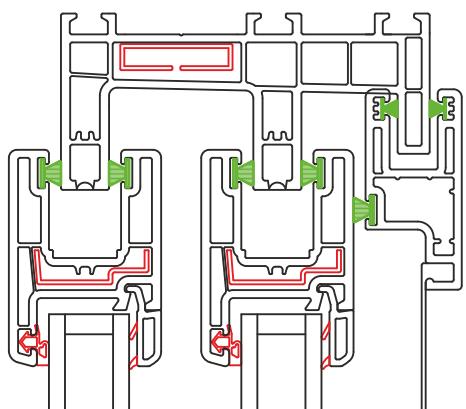
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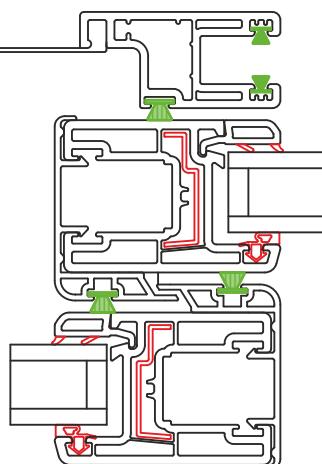
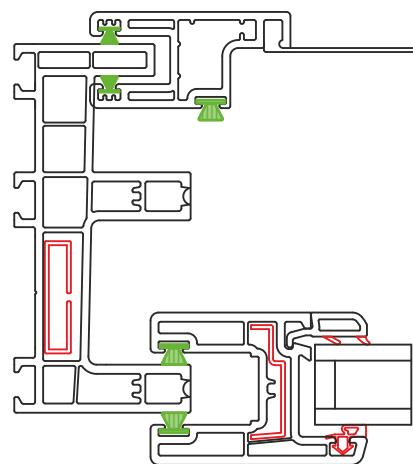
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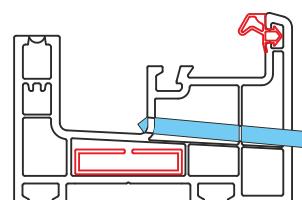
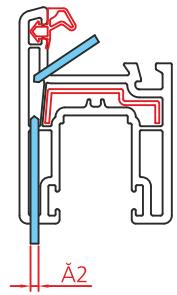
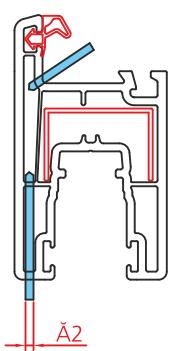
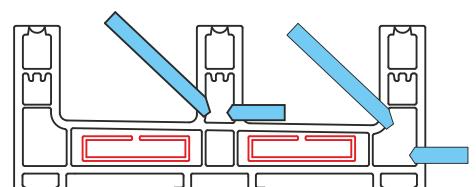
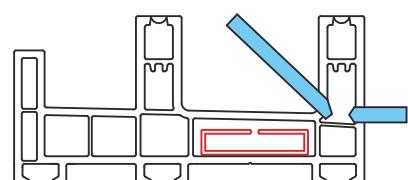
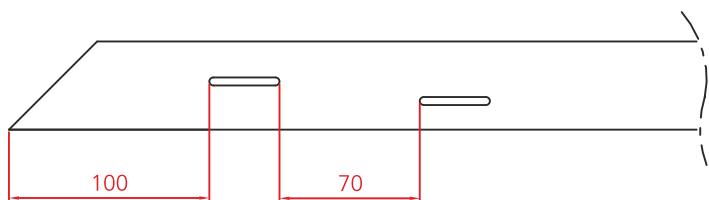
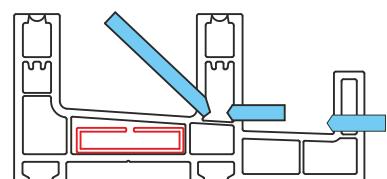
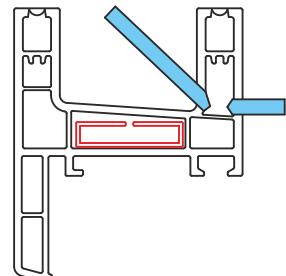
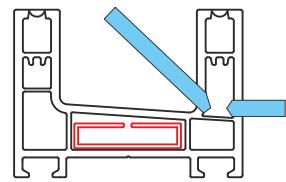
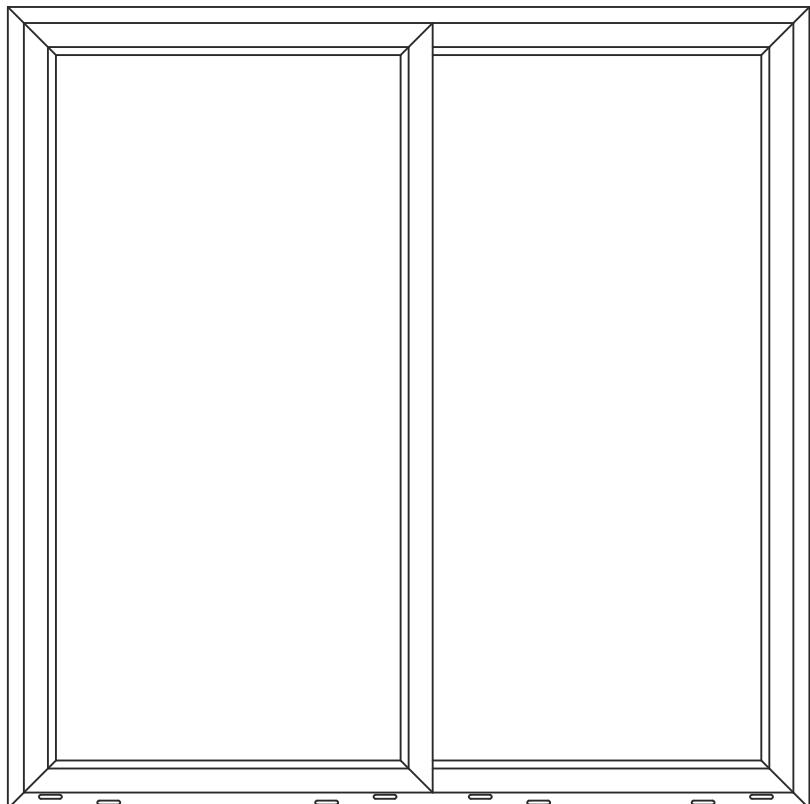


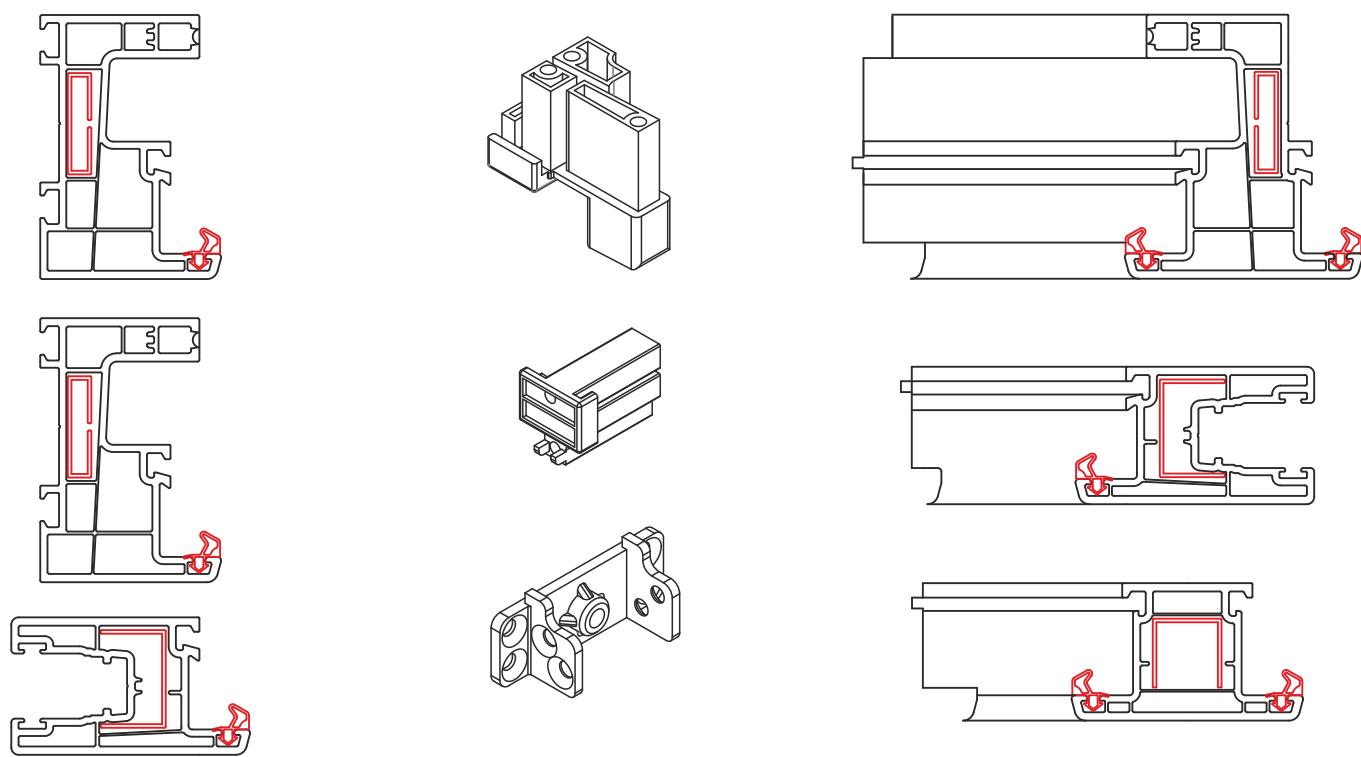
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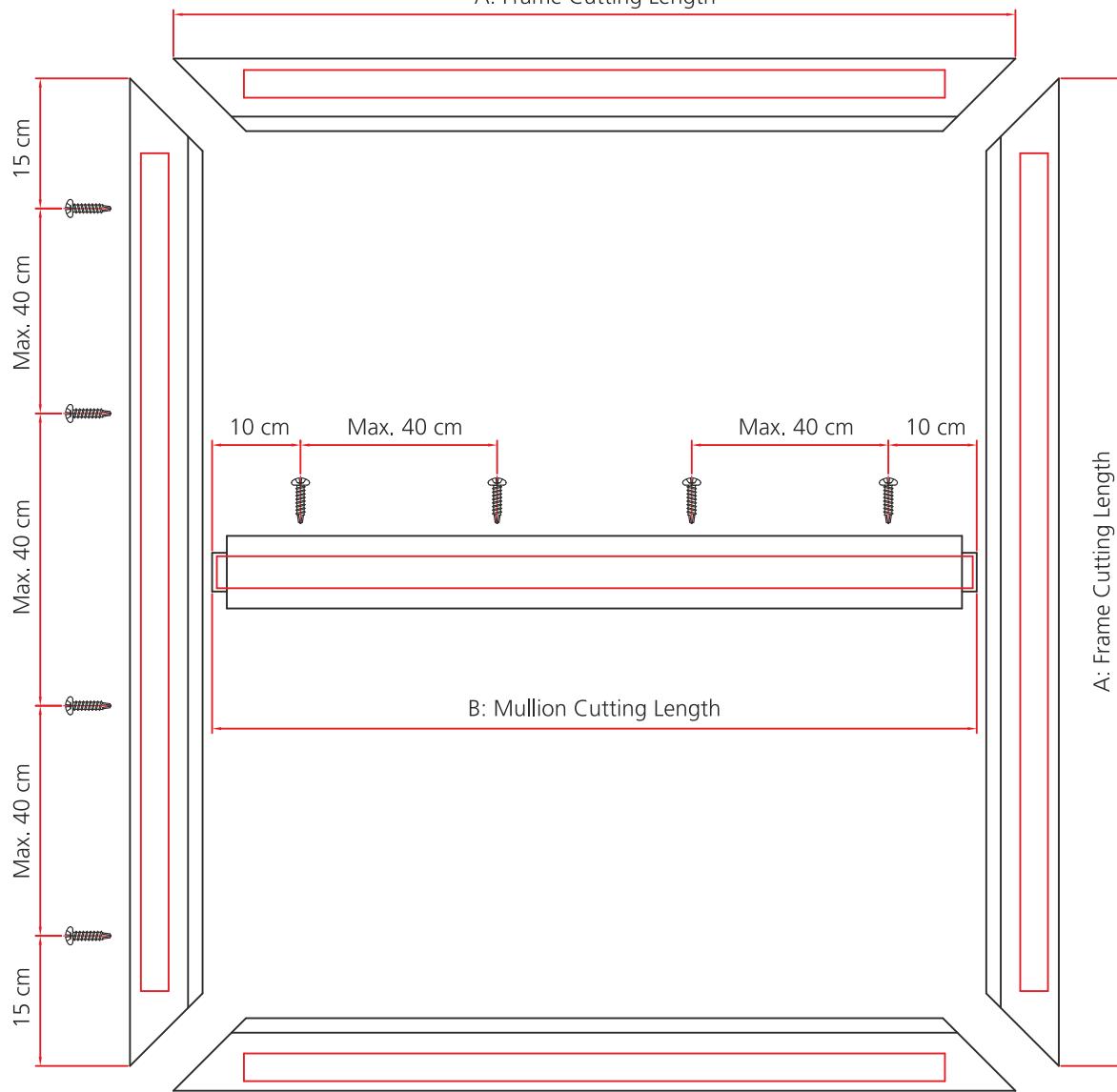
A - A



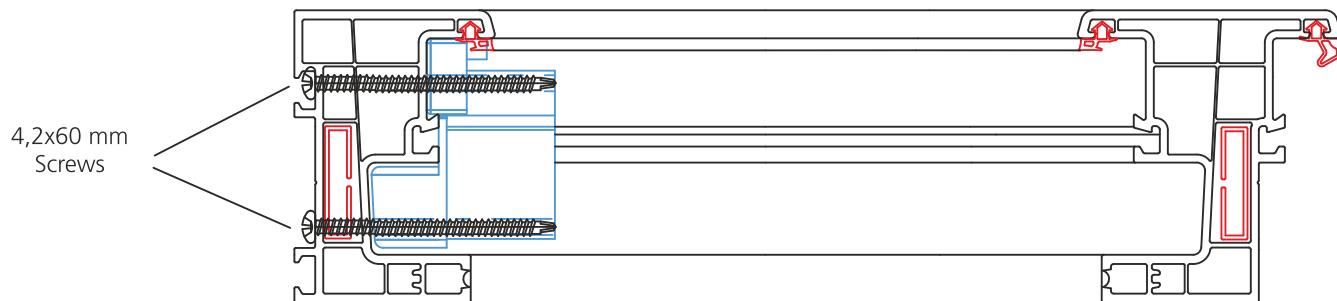




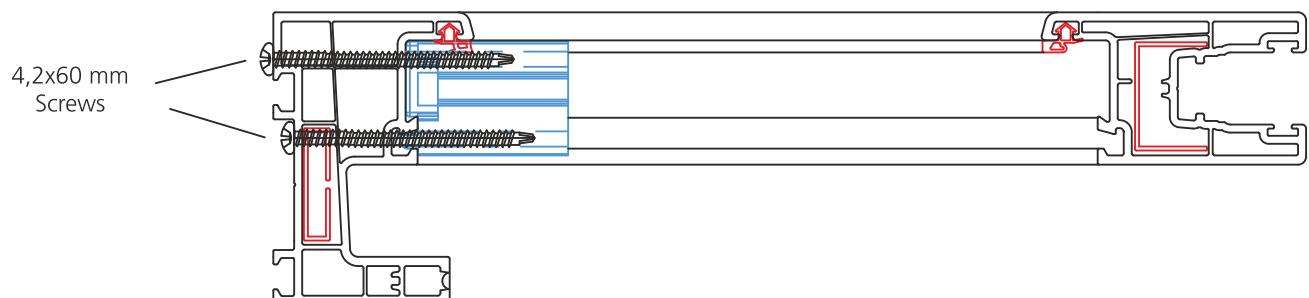
### A: Frame Cutting Length



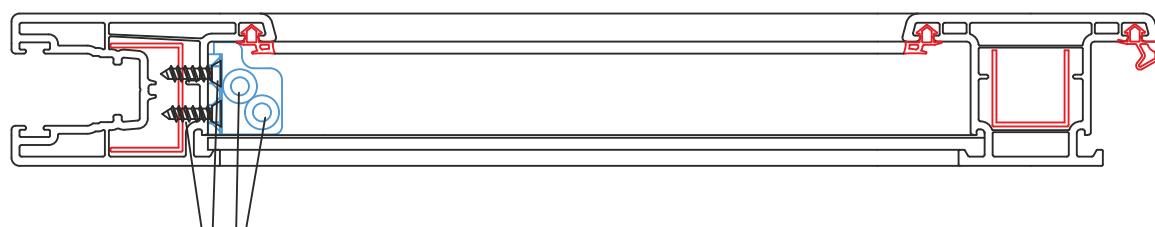
Sliding Fix Horizontal Mullion Profile



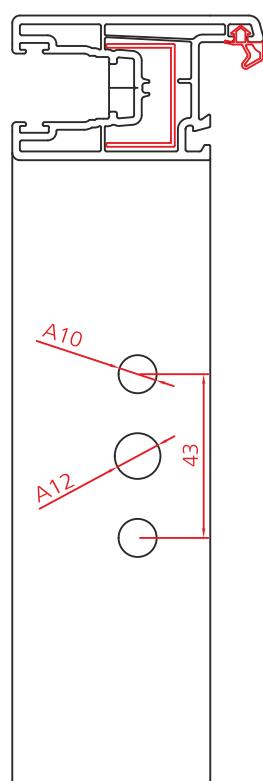
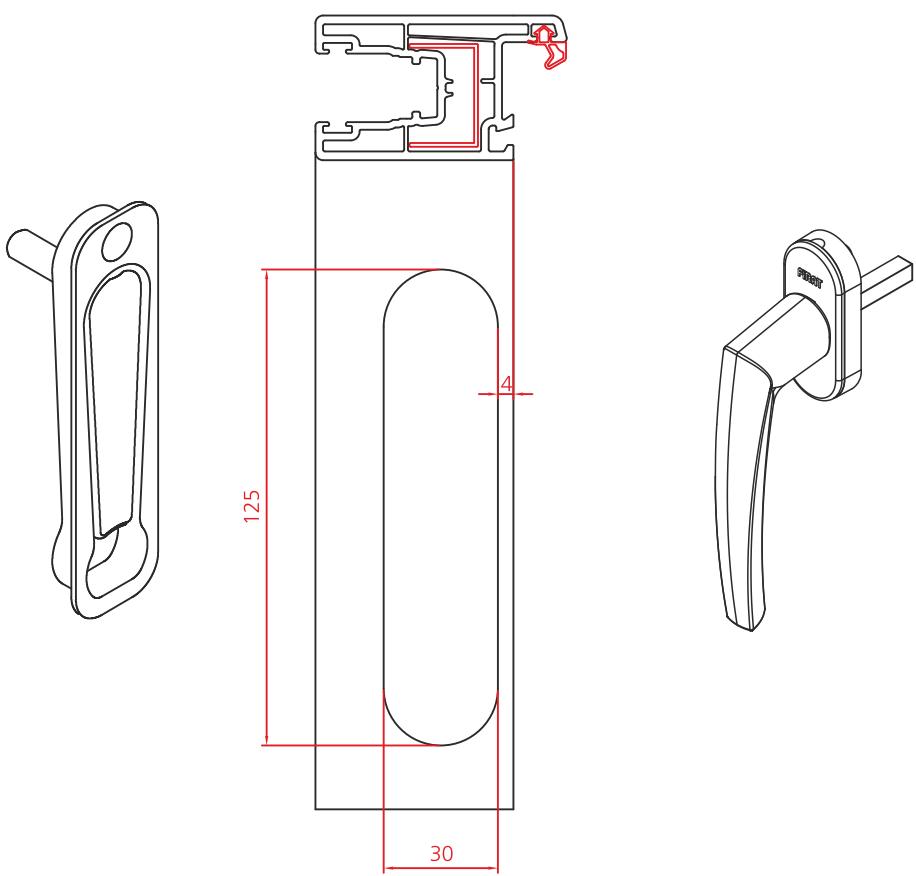
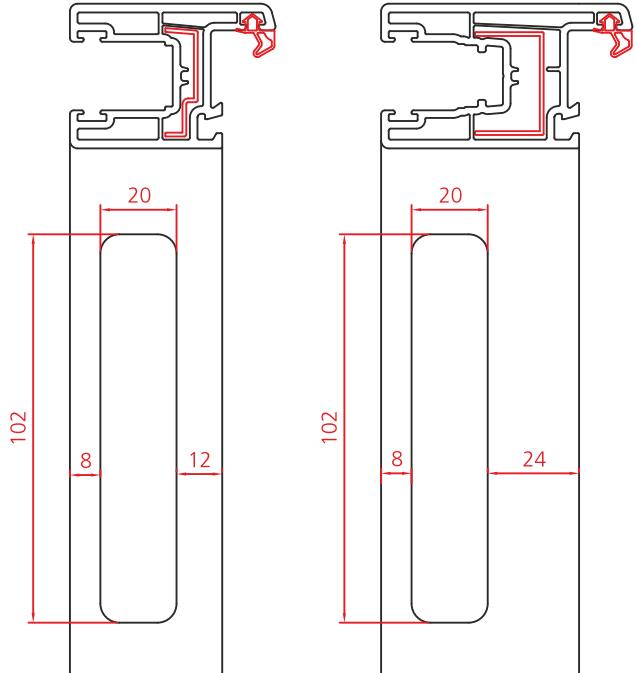
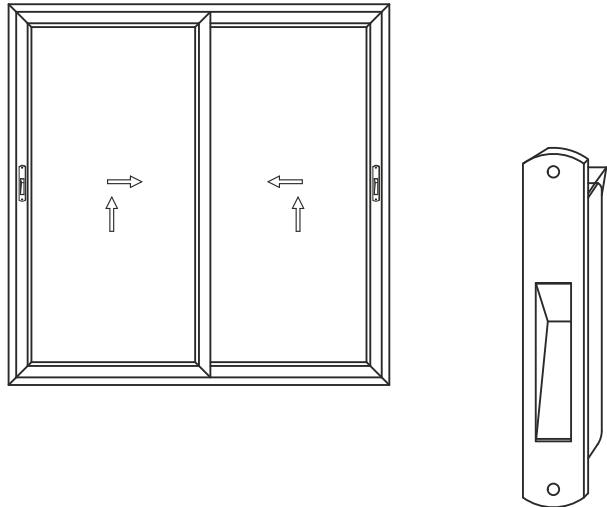
Vertical Mullion



Mullion

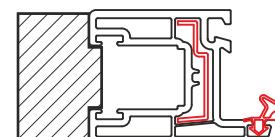
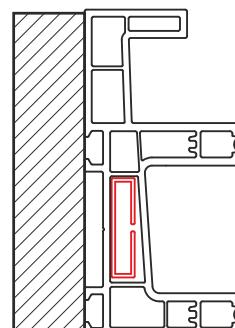
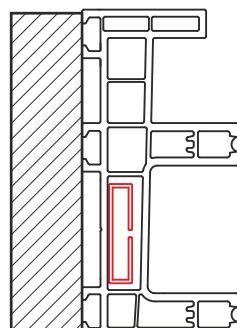
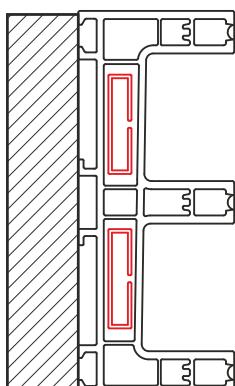
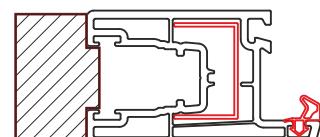
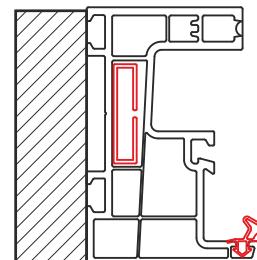
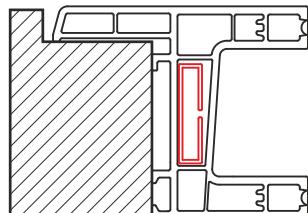
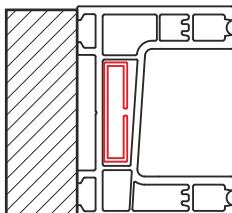


3,9x16 mm Screws

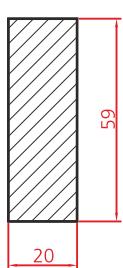


1. The cut angle of the profile must be exactly 45 degrees, otherwise, the weld can not be found exactly.
2. The surfaces of the plate of the welding machine must be smooth and same level.
3. Teflon resistance should be clean and not teared.
4. The welding resistance temperature should be between 230-250 degrees.
5. It should be welding time 25 sec., cooling time 25 sec.
6. Vertical piston pressures 6 bar, fusion pressure (when there is a resistance) 3 bar, the welding pressure must be 6 bar.

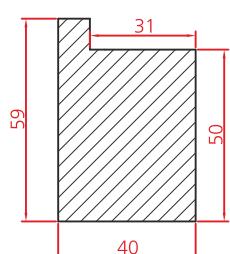
In order to perform a welding process in accordance with standards, the following welding support plates must be used during the welding process.



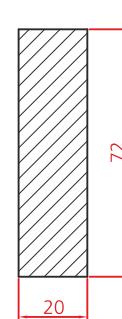
### Dimension of Welding Molds



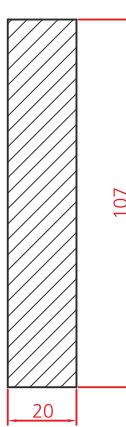
Sliding Frame Profile



Sliding Frame Profile With Lining



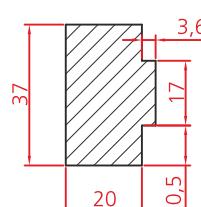
Sliding Fix Frame Profile



Sliding Frame Profile  
With Inside Fly Screen



Sliding Frame Profile  
With Outside Fly Screen



Sliding Small And Big Sash Profile



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