

# BSF70 BIFOLD DOOR INSTALLATION GUIDE



**For further assistance, call 01702 899440**

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## INSTALLATION

### Sub Cill Installation

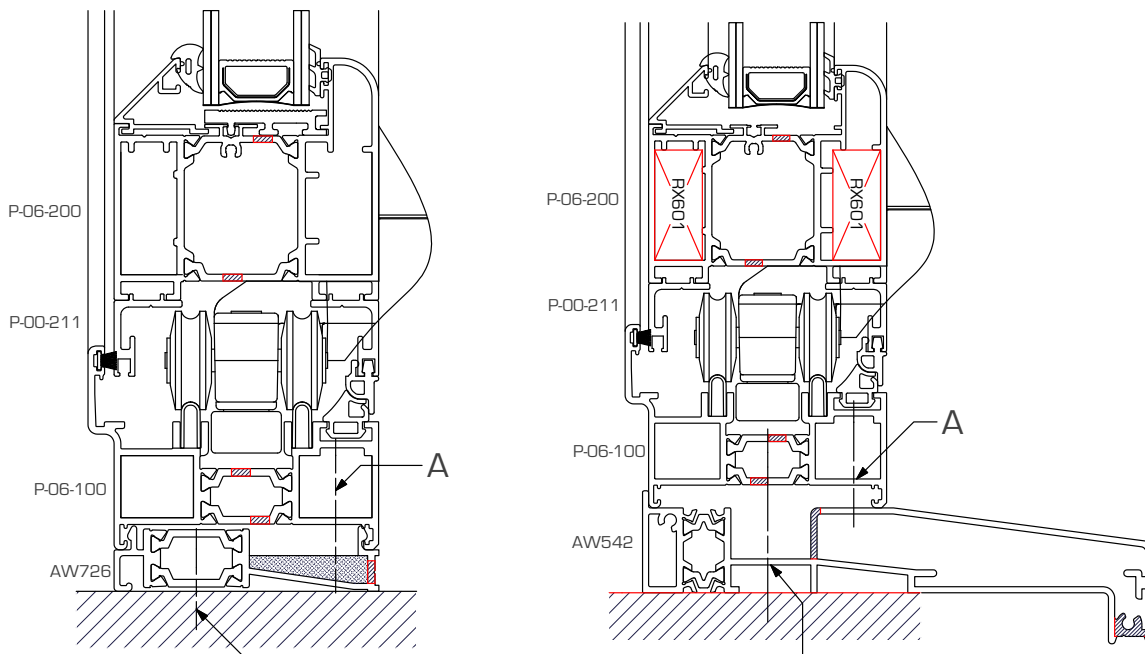
Drainage paths through the sub cill must be free and left unobstructed by the sub structure or sealing. On conservatory/dwarf walls only, an additional fixing must be located as shown alongside to secure the frame into the sub cill. Seal under the head to prevent water ingress. Further seals should then be applied and sealed in suite.

### Drainage Trays

Drainage paths through the sub cill must be left free and unobstructed by the sub structure or sealing. The drainage tray must be secured to the structure as shown, using the suitable fixings and packed as necessary to ensure it is level.

The drainage tray must then be sealed to the structure alongside its length and across its ends. Care must be taken to ensure that the portion of the drainage tray that adjoins the jambs of the structure are adequately sealed, to prevent water running off each end of the drainage tray and into the building.

When fitting the frame to the drainage tray silicon sealant must be gunned as shown alongside to ensure that the watertight joint is created on the inside of the frame.



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## INSTALLATION

### Fitting Frame to Aperture

It is vitally important that the cill is laid flat and level to achieve the optimum performance. Jambs must be vertical in both planes, and no twist or other distortion allowed.

Prior to installing the frame, the opening should be checked to ensure that it is free of debris, and that any projecting brickwork has been trimmed back. Any damaged damp proof membranes should be replaced or additional membranes incorporated.

When the opening was originally measured a suitable gap should have been allowed around the perimeter of the frame, this will allow the frame work to be packed to ensure that it is plumb and square within the opening. Ideally the frame should be bedded on mortar. The frame can then be positioned in the opening and held square by packing at the very corners, taking care not to damage or deform the profile.

### Tip#

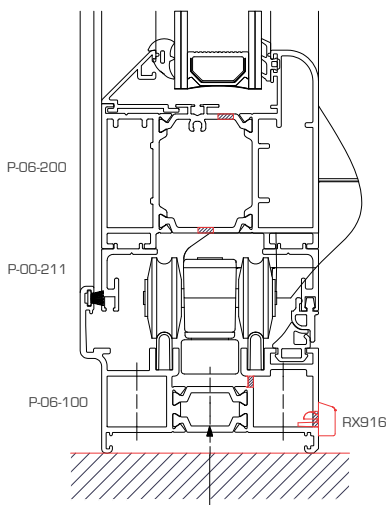
To check for squareness, measure the diagonals from corner to corner. These diagonal dimensions should not differ by more than 1 to 2mm; if so adjust the packing until the frame is square within the opening. The lay of the frame, in to out, can be checked by using a spirit level on the jambs. On replacement applications, the correct position of the frame might not be aligned with the originals. This will require some remedial work to make good the plaster reveal around the frame on the internal wall, as well as any render externally.

### Fixing Frames

The first fixing must always occur within 150mm of each corner and at not more than 600mm centres (do not over tighten fixings). The type and frequency depends on the expected applied loadings. Packing will be required at fixing points to prevent distortion of the frame. Drilled holes in the frame should be sealed where there is a possibility of moisture penetration around the fastener.

### Foam

Fixing foam can be used in conjunction with fasteners, but is not an alternative to screw fixing. Care must be taken not to allow the foam to come in contact with the painted finish, and as such the use of some form of masking tape would be advisable. Permanent staining will be caused if foam comes in contact with the frame.



### IMPORTANT NOTE:

Always cap or seal fixings, especially when securing to any of the AluK range of cills/drainage trays.

\*\*Alternative Fixing Method  
ie. Through Thermal Barrier

NB: Avoid leaving any screw head sitting proud as this may foul the top/bottom guides.

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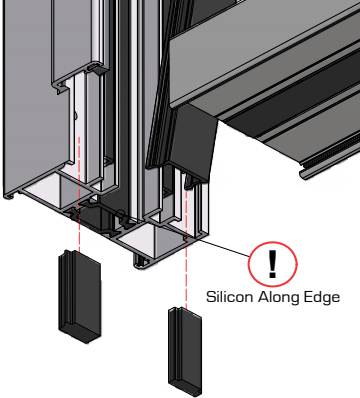
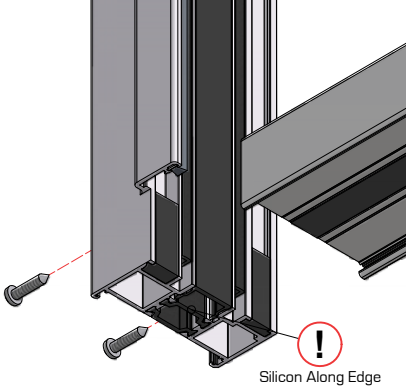
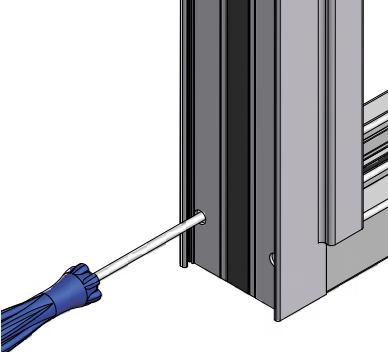
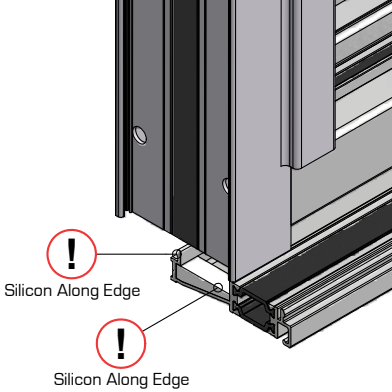
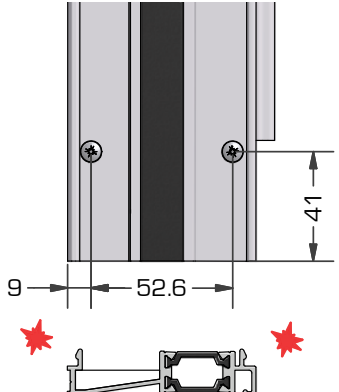
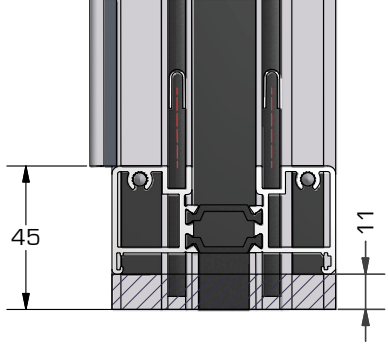
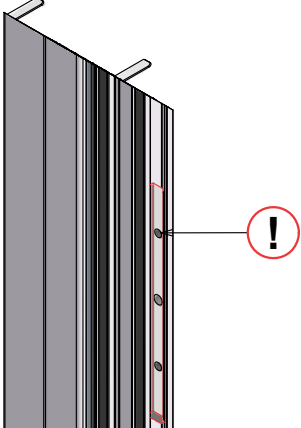
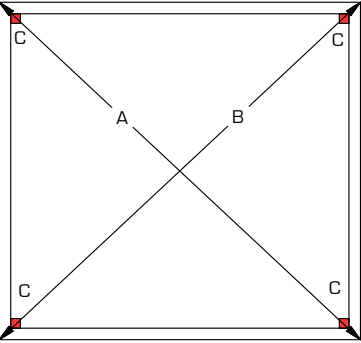
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# BSF70 BIFOLD DOOR INSTALLATION GUIDE



## PANEL ASSEMBLY

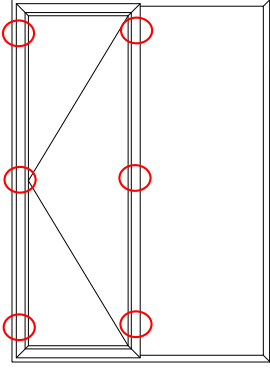
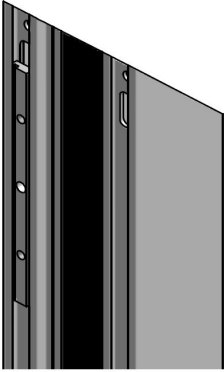
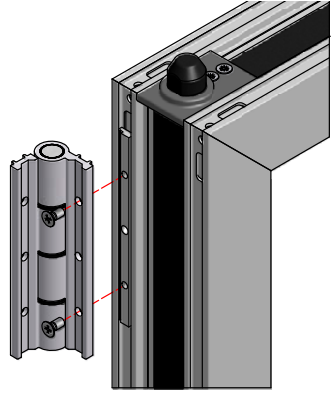
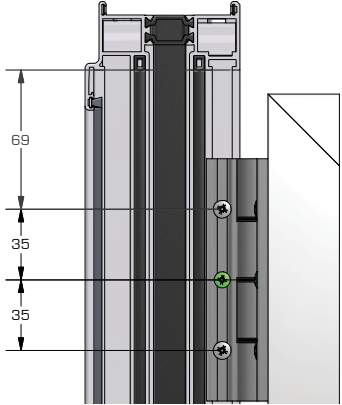
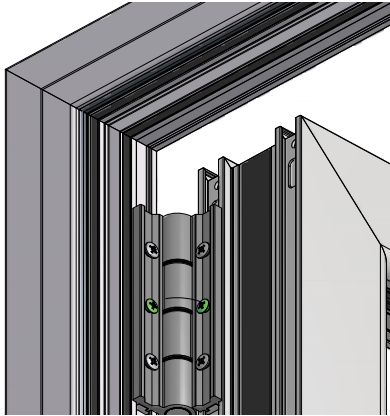
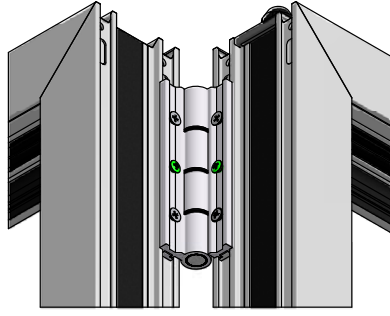
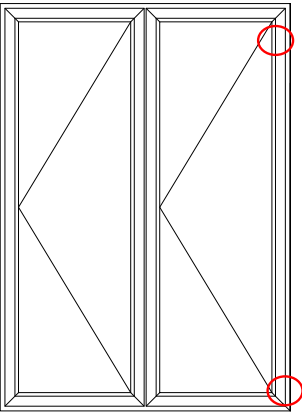
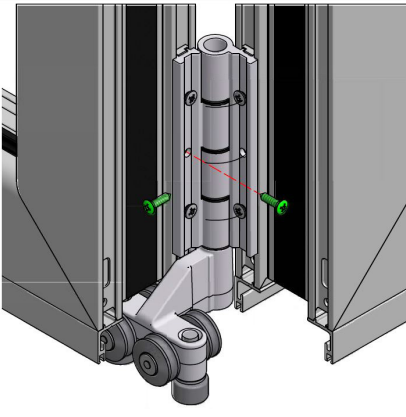
<p><b>LOW THRESHOLD</b></p>	<p><b>FIXING THRESHOLD</b></p>	<p><b>FIXING THRESHOLD</b></p>
		
<p>Slide gasket RX643 (2) into Outer Frame and clip RX643 into channel</p>	<p>Use 4.2 x 19mm ST SS Screws to assembly outerframe and cill</p>	<p>Screw from the outside of the frame through to the low threshold</p>
<p><b>PANEL TO FRAME ASSEMBLY</b></p>	<p><b>LOCATION DIMENSIONS</b></p>	<p><b>STEEL TRACK</b></p>
		
<p>Seal the threshold using Silicon</p>	<p>The drainage tray should snap into the underneath of the outerframe</p>	<p>Once assembled insert Steel track RX610</p>
<p><b>OUTERFRAME</b></p>	<p><b>OUTERFRAME</b></p>	
		
<p>Ensure RX040 hinge backing plates are slid into outerframe before assembly</p>	<p>Ensure outerframe is square before fixing in place and inserting panels. A=B</p>	

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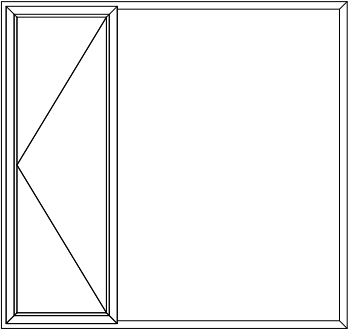
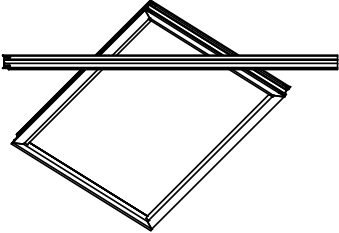
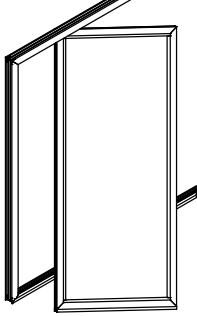
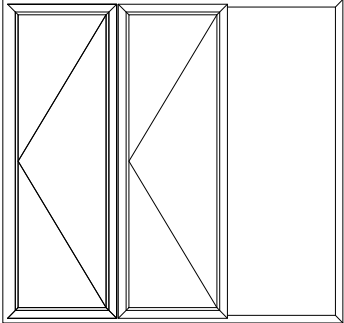
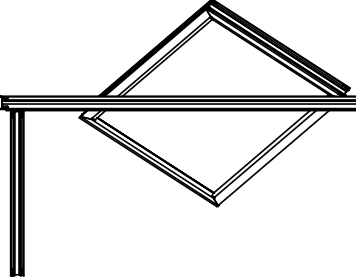
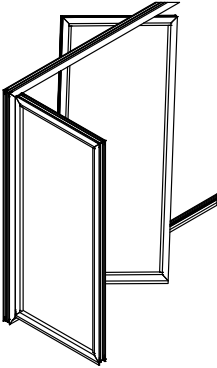
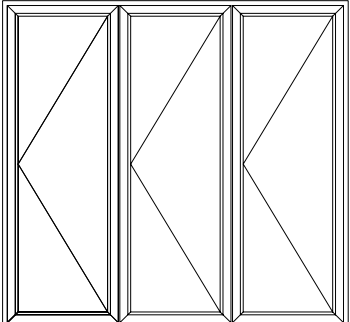
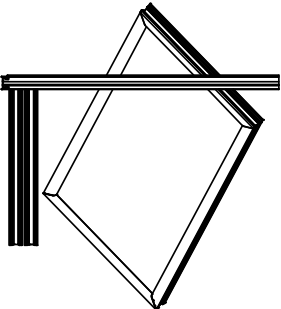
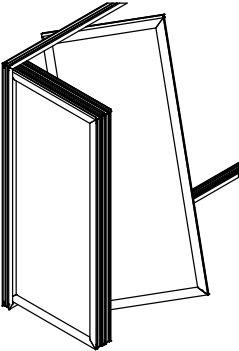
HINGE LOCATION	BACKING PLATE	HINGE TO PANEL
		
<p>Slide backing plate into outerframe before assembly</p>	<p>Slide hinge backing plate into profile, DO NOT fix yet</p>	<p>Attach the hinge to the backing plate with the 4.2 x 10mm CS Machine Screw, provided</p>
PANEL TO FRAME ASSEMBLY	LOCATION DIMENSIONS	SECONDARY PANEL
		
<p>First fixing = 69mm from track, secondary = 35mm, third = 35mm</p>	<p>Once panel is hung and spaced correctly apply final fixing 4.2 x 25mm SS ST Screw</p>	<p>Once fixed, repeat for remaining panels.</p>
BOGIE PLACEMENT	ADJUSTMENT	FINAL FIX
		<p>Once glazed and adjusted use a 4.2 x 24mm Self Tapping Stainless Steel screw to ensure location of hinges and bogies. (shown in green).</p>
<p>Typical bogie placement</p>	<p>Adjust placement by sliding the backing plate then re-tightening machine screw</p>	<p><b>**ONLY FINAL FIX AFTER GLAZING</b></p>

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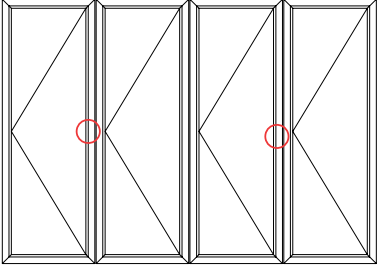
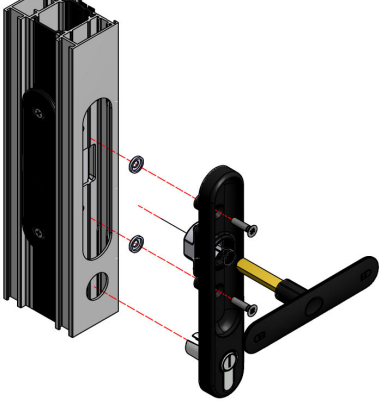

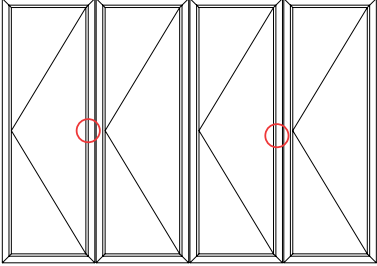
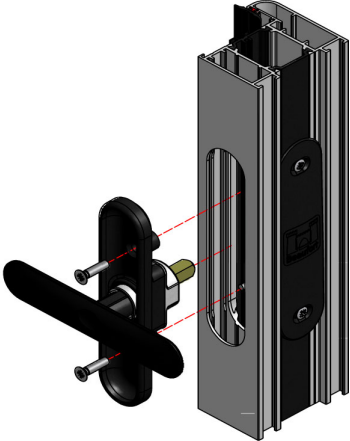

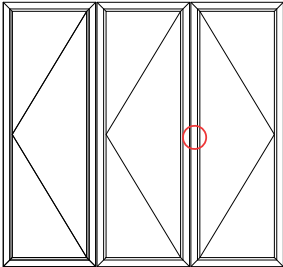
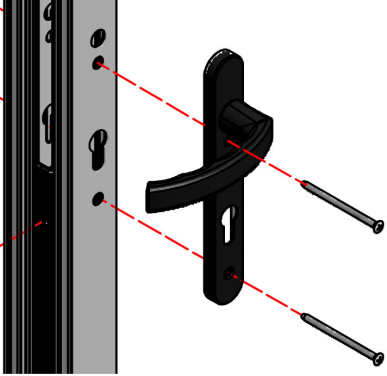
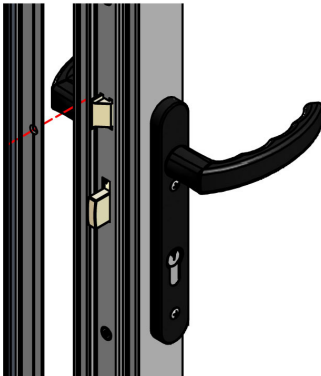
<p><b>PANEL 1 - FRONT</b></p> 	<p><b>PANEL 1 - TOP</b></p> 	<p><b>PANEL 1 - ISO</b></p> 
<p>Fix first panel to outerframe</p>	<p>Angle the panel and lift into place</p>	<p><b>**ONLY FINAL FIX AFTER GLAZING</b></p>
<p><b>PANEL 2 - FRONT</b></p> 	<p><b>PANEL 2 - TOP</b></p> 	<p><b>PANEL 2 - ISO</b></p> 
<p>Open panel 1 to align panel 2</p>	<p>Tilt the panel into frame and stack panels</p>	<p><b>**ONLY FINAL FIX AFTER GLAZING</b></p>
<p><b>PANEL 3 - FRONT</b></p> 	<p><b>PANEL 3 - TOP</b></p> 	<p><b>PANEL 3 - ISO</b></p> 
<p>Open panel 1 &amp; 2 to align panel 3</p>	<p>Open panels allow easier hinge location and attachment</p>	<p><b>**ONLY FINAL FIX AFTER GLAZING</b></p>

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## HARDWARE ASSEMBLY

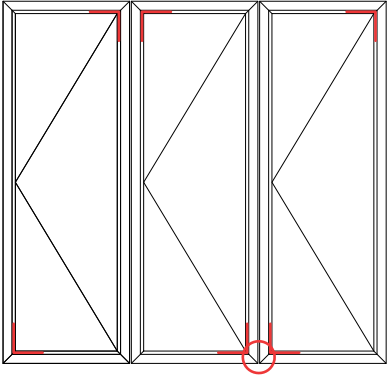
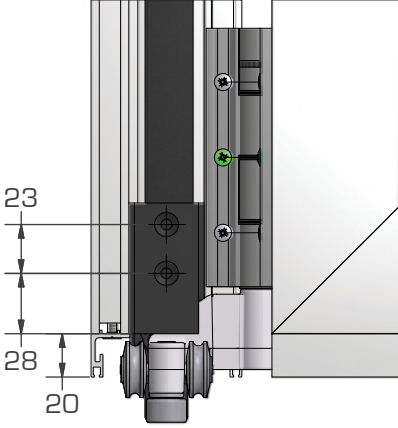
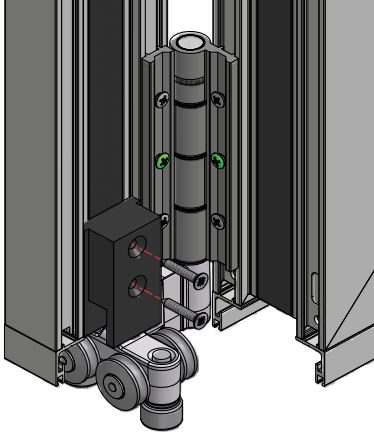
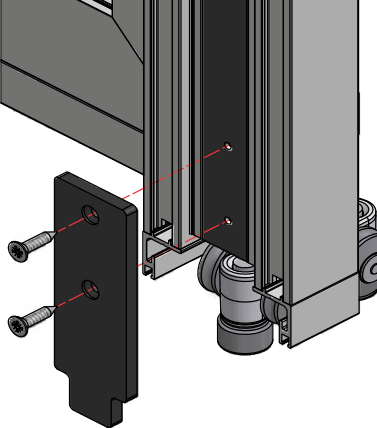
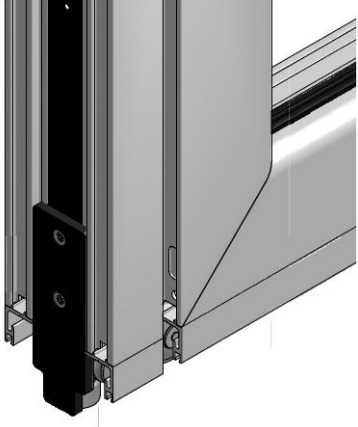
<b>LOCKING T HANDLE LOCATION</b>	<b>FITTING LOCKING T HANDLE</b>	<b>LOCKING T HANDLE FITTED</b>
		
Lockable version of the T Handle	Fix handle from inside through gearbox	Check handle operates smoothly
<b>T HANDLE LOCATION</b>	<b>FITTING T HANDLE</b>	<b>T HANDLE FITTED</b>
		
Lockable version of the T Handle	Fix handle from inside through gearbox	Check handle operates smoothly
<b>HIGH TRAFFIC HANDLE LOCATION</b>	<b>FITTING HIGH TRAFFIC HANDLE</b>	<b>HIGH TRAFFIC HANDLE FITTED</b>
		
High Traffic Door Handle	Fix handle from inside through into gearbox	Check handle operates and latches when lifted

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## HARDWARE ASSEMBLY

FLOATING MULLION	MULLION BLOCK	RX704 BLOCK LOCATION
		
<p>Floating Mullion Block Location</p>	<p>Slide RX704 block down thermal break to locate over Top and Bottom Bogie (RX701/RX702)</p>	<p>Fix using 4.2 x 25mm countersunk screws</p>
RX775 MULLION PLATE	FLOATING MULLION	
		
<p>Fit RX775 to the opposite side of mullion using 4.2 x 19mm ST CS Screws. Repeat at head</p>	<p>Failure to fit floating mullion blocks may cause mullion to twist</p>	

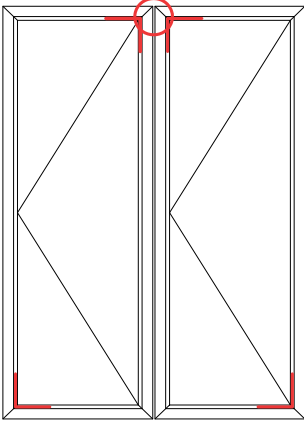
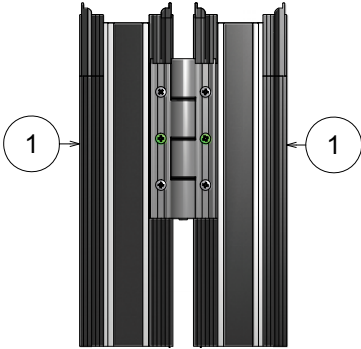

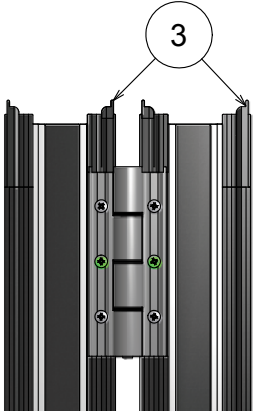
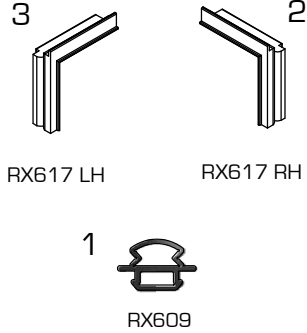
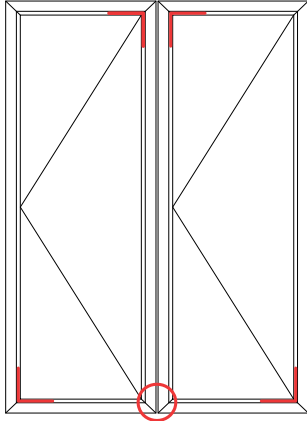
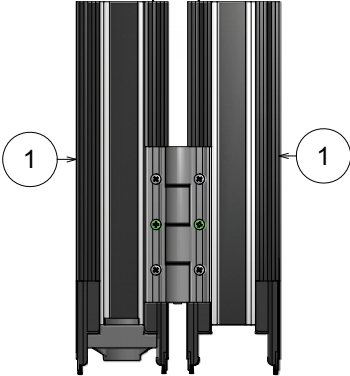
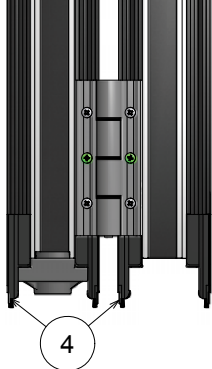
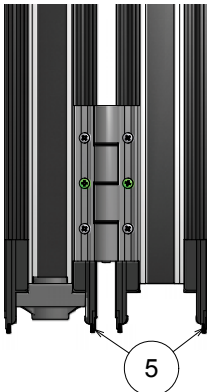
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## GASKET CONFIGURATIONS

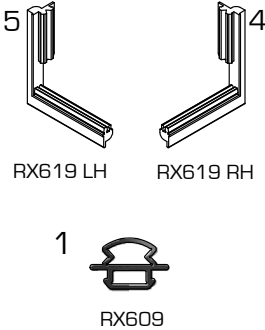
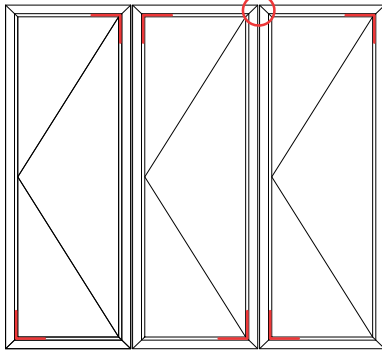
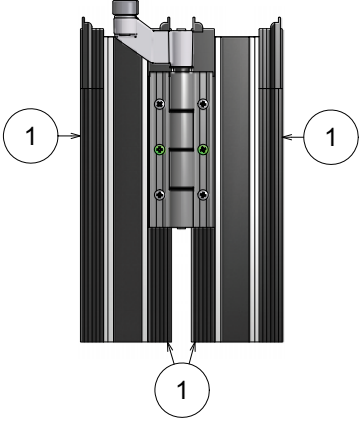

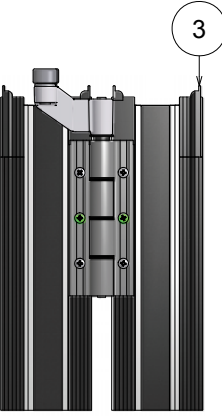


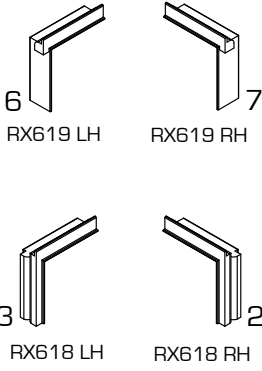

<p><b>GASKET LOCATION</b></p> 	<p><b>GASKET ID</b></p> 	<p><b>GASKET ID</b></p> 
<p>Hinged panel top configuration</p>	<p>RX609 Interlocking gaskets (x4)</p>	<p>RX617 RH Corner mould (x2)</p>
<p><b>GASKET LOCATION</b></p> 	<p><b>GASKET LOCATION</b></p>  <p>RX617 LH      RX617 RH</p> <p>1      RX609</p>	<p><b>GASKET LOCATION</b></p> 
<p>RX617 LH Corner mould (x2)</p>	<p>Gasket Identification</p>	<p>Hinged panel bottom configuration</p>
<p><b>GASKET LOCATION</b></p> 	<p><b>GASKET LOCATION</b></p> 	<p><b>GASKET LOCATION</b></p> 
<p>RX609 Interlocking gaskets (x4)</p>	<p>RX619 RH Corner mould (x2)</p>	<p>RX619 LH Corner mould (x2)</p>

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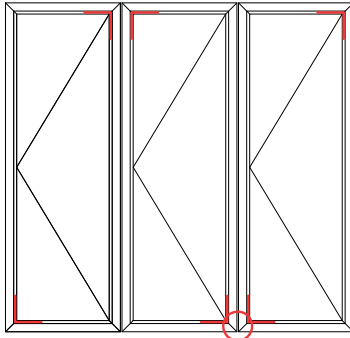

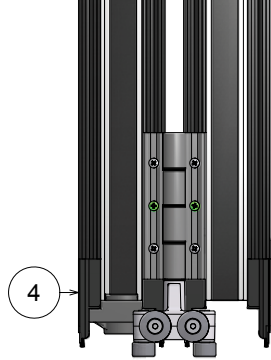
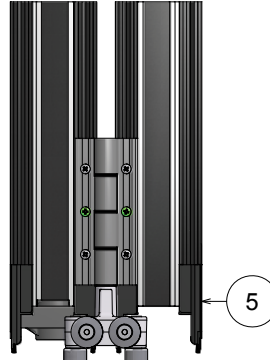
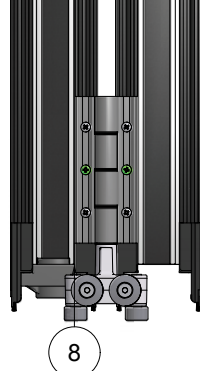
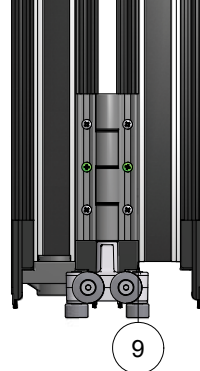
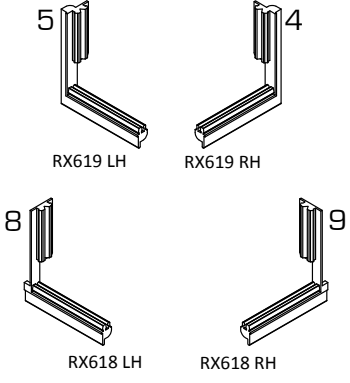
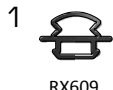
GASKET ID	GASKET ID	GASKET LOCATION
 <p>RX619 LH    RX619 RH</p> <p>1 RX609</p>		
Gasket Identification	Gasket Location Top Bogie	RX609 Interlocking gaskets (x4)
GASKET LOCATION	GASKET LOCATION	GASKET LOCATION
		
RX617 RH - (x1 shown configuration)	RX617 LH - (x1 shown configuration)	RX616 LH - (x1 shown configuration)
GASKET LOCATION	GASKET ID	GASKET ID
	 <p>6    7 RX619 LH    RX619 RH</p> <p>3    2 RX618 LH    RX618 RH</p>	 <p>1 RX609</p>
RX616 RH - (x1 shown configuration)	Gasket Identification	Gasket Identification

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## GASKET CONFIGURATIONS

<p><b>GASKET LOCATION</b></p> 	<p><b>GASKET LOCATION</b></p> 	<p><b>GASKET LOCATION</b></p> 
<p>Bottom Bogie Configuration</p>	<p>RX609 Interlocking gaskets (x4)</p>	<p>RX619 RH (x1 shown configuration)</p>
<p><b>GASKET LOCATION</b></p> 	<p><b>GASKET LOCATION</b></p> 	<p><b>GASKET LOCATION</b></p> 
<p>RX619 LH (x1 shown configuration)</p>	<p>RX618 LH (x1 shown configuration)</p>	<p>RX618 RH (x1 shown configuration)</p>
<p><b>GASKET ID</b></p>  <p>RX619 LH      RX619 RH</p> <p>RX618 LH      RX618 RH</p>	<p><b>GASKET ID</b></p>  <p>RX609</p>	
<p>Gasket Identification</p>	<p>Gasket Identification</p>	

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# BSF70 BIFOLD DOOR INSTALLATION GUIDE



## GLAZING

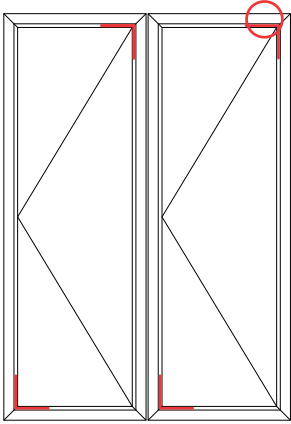
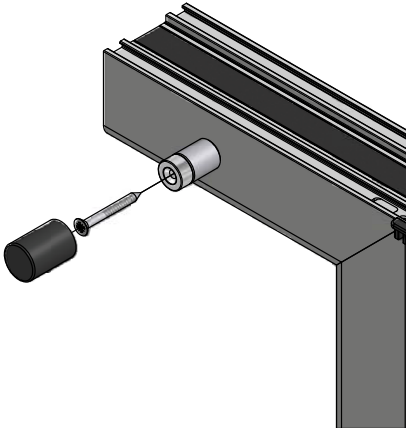
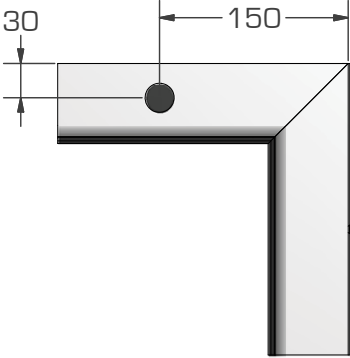

<p><b>BOTTOM GLASS SUPPORT</b></p>	<p><b>GLASS SUPPORT ASSEMBLY</b></p>	<p><b>BOTTOM GLASS SUPPORT</b></p>
<p>Place bridge packer on the hinge side along the bottom and vertical sections 150mm from the corner</p>	<p>Place bridge packers 150mm from the corner opposite the hinge side of the panel</p>	<p>Use glazing packers to 'heel' glass in place. Start at the bottom hinge side</p>
<p><b>BOTTOM GLASS SUPPORT</b></p>	<p><b>GLASS SUPPORT ASSEMBLY</b></p>	<p><b>BOTTOM GLASS SUPPORT</b></p>
<p>Bottom packer highlighted in RED support the weight of the glass</p>	<p>Pack the opposite upper corner of the non-hinge side of the panel</p>	<p>The upper packers re-distribute the weight of the glass back towards the outerframe</p>

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## PANEL RETENTION

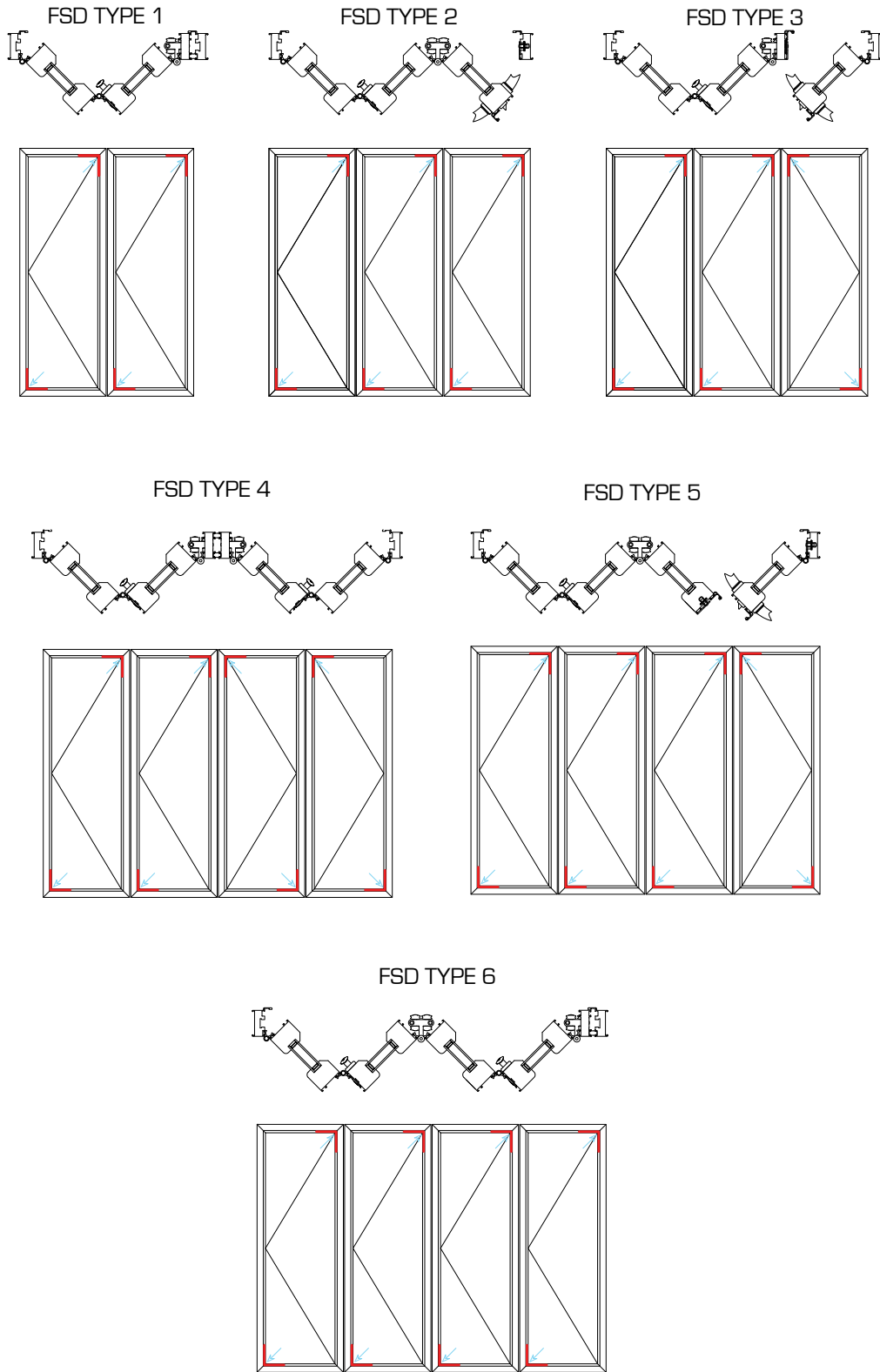
MAGNET LOCATION	MAGNET FITTING	MAGNET LOCATION
		
<p>Bottom packer highlighted in RED support the weight of the glass</p>	<p>Screw magnet to door using screw provided</p>	<p>Magnet location as above</p>
<p><b>MAGNET FITTED</b></p>		
		
<p>Located at the top of connected panels</p>		

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## TOE & HEEL TYPE CONFIGURATIONS



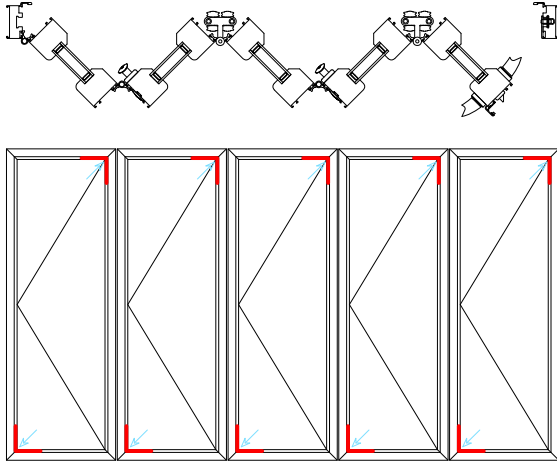
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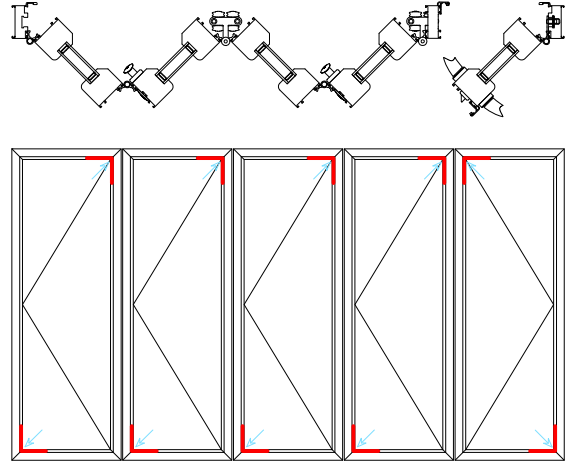
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## TOE & HEEL TYPE CONFIGURATIONS

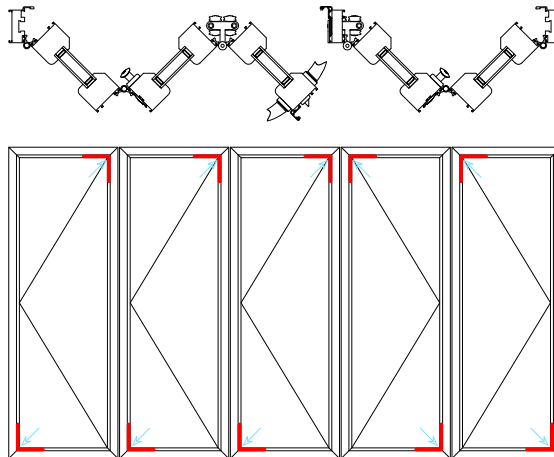
FSD TYPE 7



FSD TYPE 8



FSD TYPE 9

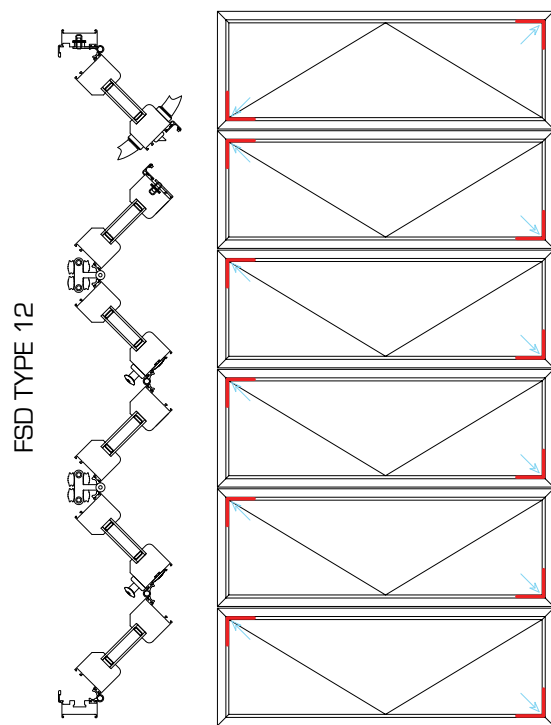
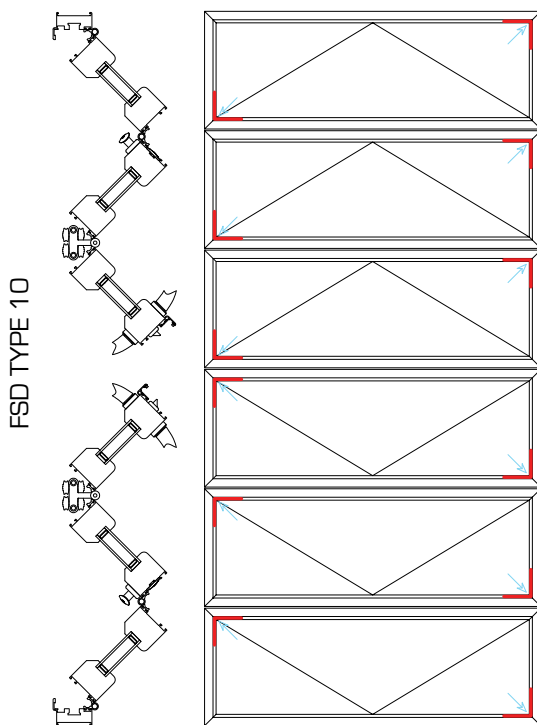
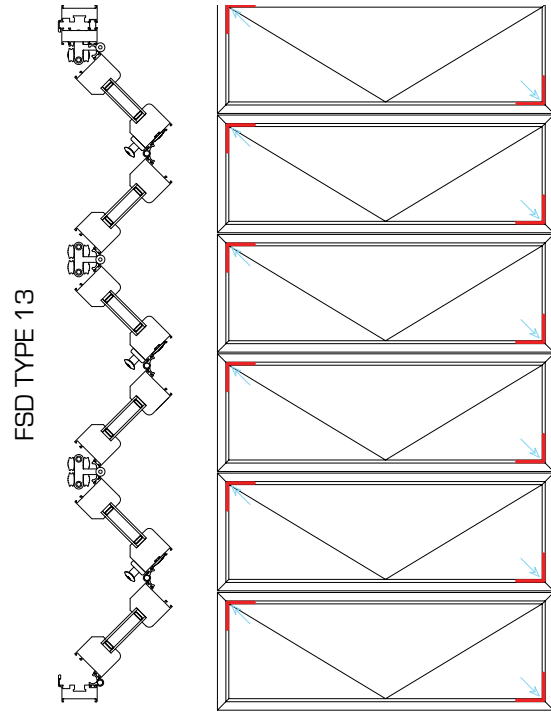
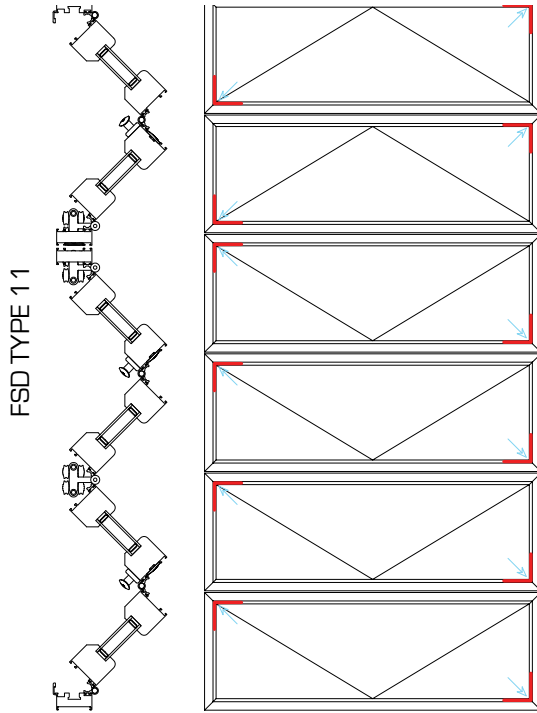


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## TOE & HEEL TYPE CONFIGURATIONS



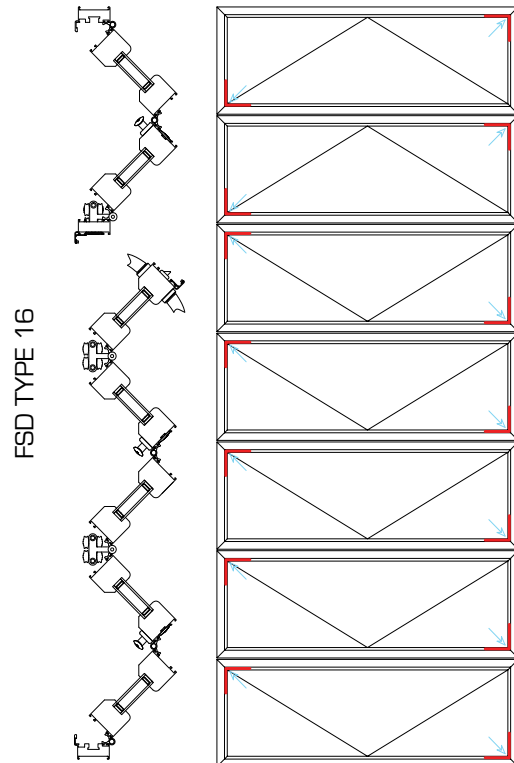
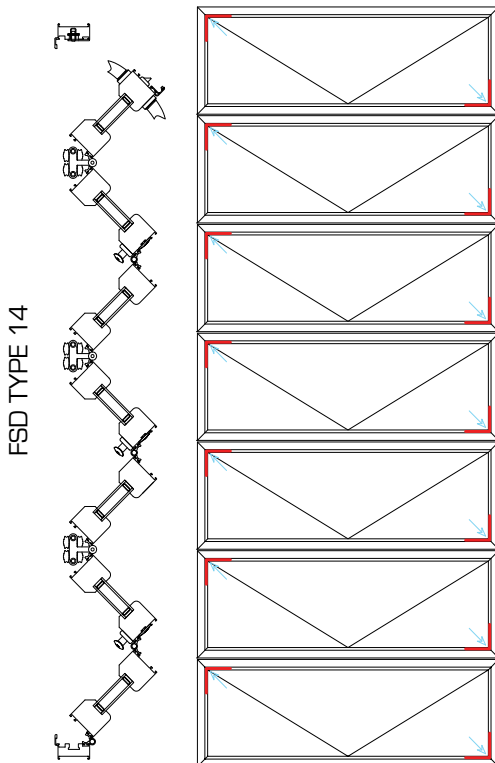
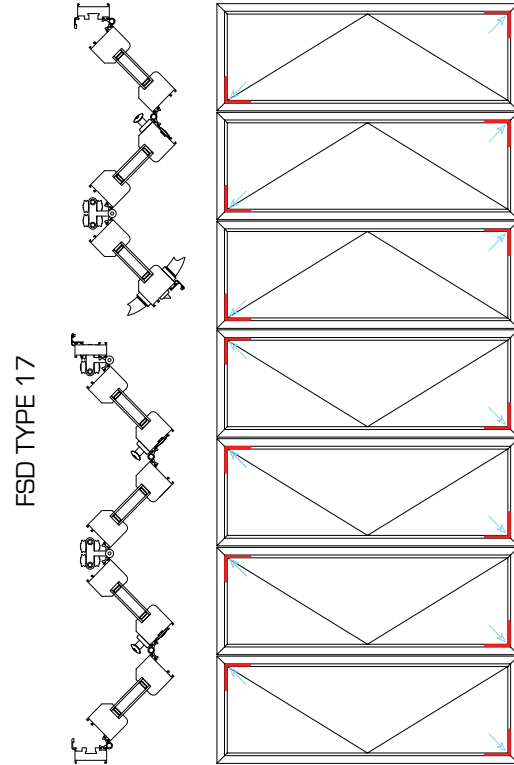
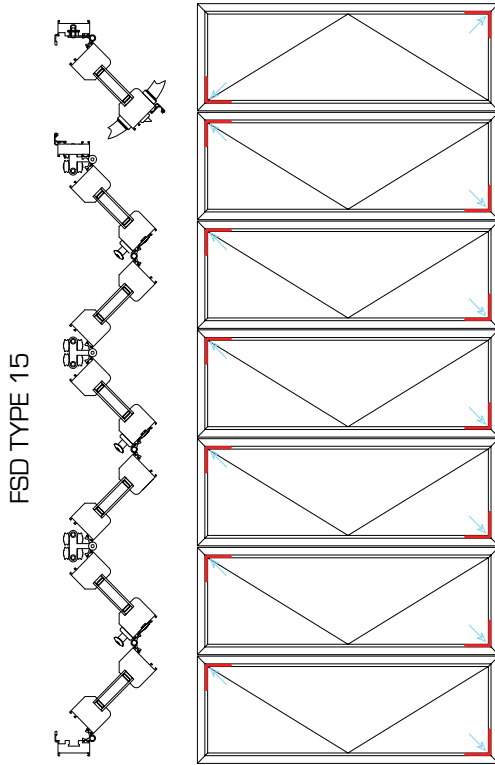
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## TOE & HEEL TYPE CONFIGURATIONS

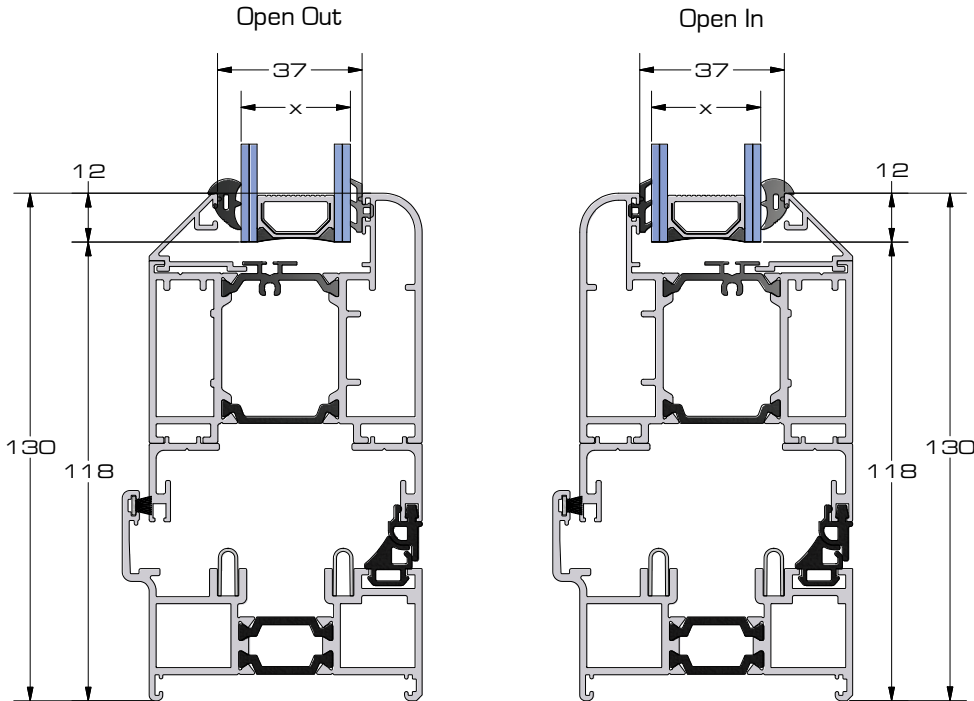


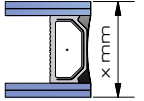



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## GLAZING OPTIONS



			
28mm	AW513, AW660	A-GS-504	A-GS-306
32mm	AW630, AW668	A-GS-504	A-GS-306
36mm	AW514	A-GS-504	A-GS-306
44mm	AW666	A-GS-504	A-GS-306

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