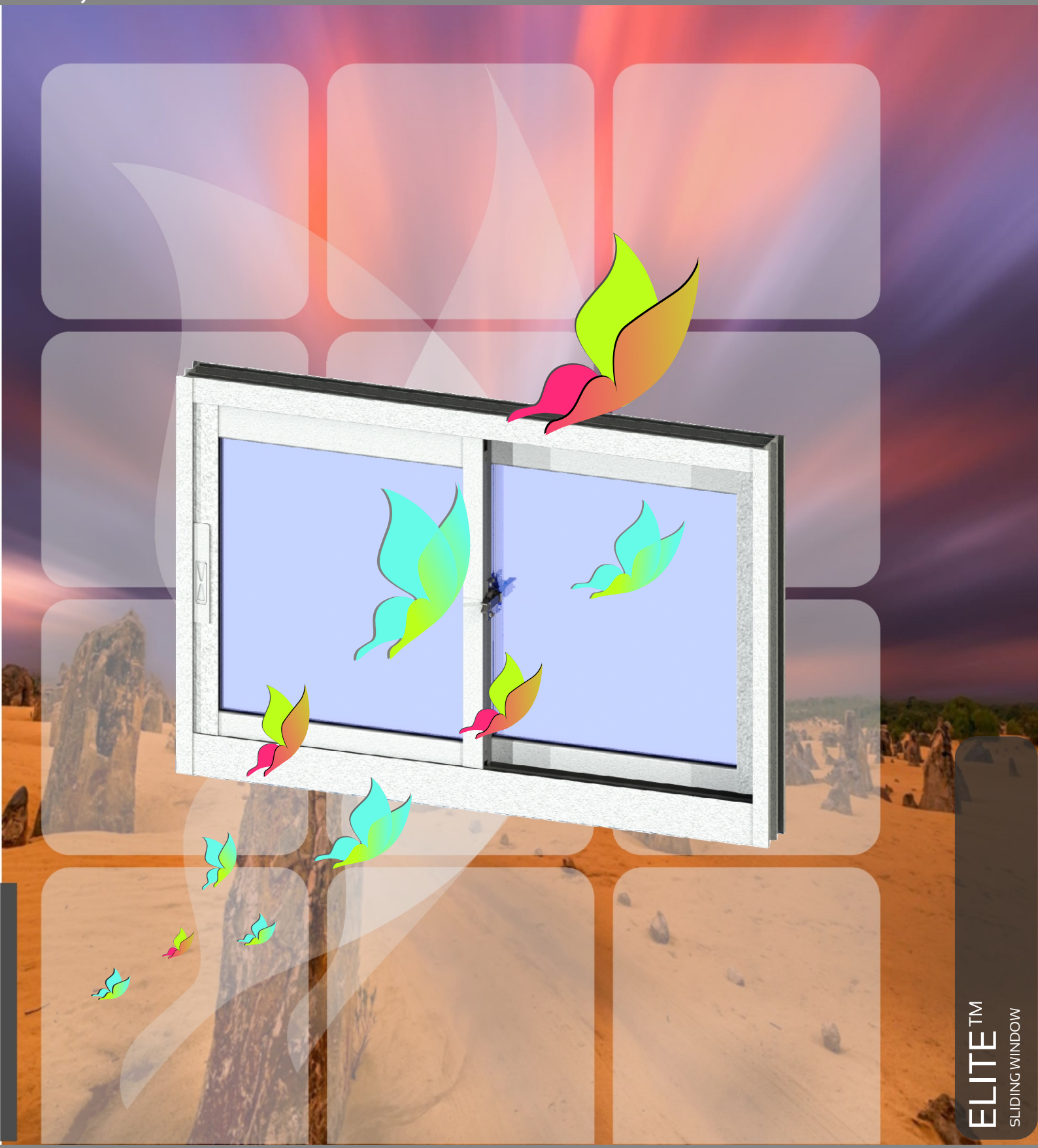
PRODUCT MANUAL

February 2020



ELITE™
SLIDING WINDOW

crealco
creative aluminium

A product of
WISPECO Aluminium

LEGAL DISCLAIMER

ELITE™ SLIDING WINDOW

General Documentation Disclaimer

This manual is intended as a manufacturing and installation advisory document. For correct specifications, sizing of profiles and structural information please consult the StarFront Application. If the information you require is not available through the StarFront Application, please contact your stockist before proceeding. It is advisable to have all sizing and performance criteria checked by a qualified structural engineer to ensure that the required criteria will be met.

All information, recommendations or advice contained in this documentation is given in good faith to the best of Wispeco's knowledge and is based on current procedures in effect.

Since the actual use of this documentation by the user is beyond the control of Wispeco, such use is within the exclusive responsibility of the user. Wispeco cannot be held responsible for any loss incurred through incorrect or faulty use of this documentation. Training of Wispeco systems is important for ensuring correct procedures in the manufacturing of products.

Great care has been taken to ensure that the information provided is correct.

Ensure that you have the latest available manual. The revision number and date can be checked on the latest StarFront version.

Wispeco will accept no responsibility for any errors and/or omissions, which may have inadvertently occurred.

Specifications concerning products and applications

This manual is based on standard configurations only. As there are many configurations not covered in this manual, contact your stockist with regards to a configuration not represented herein if required.

AutoDesk drawings (CAD Symbol Library) are available on request and can be issued with the consent of the Wispeco Technical Department.

All mechanical joints must be sealed with a **Crealco approved joint sealer**. Failure to correctly seal the joints can affect the performance of the system. Information on joint sealing can be found in the Cleaning & Maintenance Manual** available for download from **www.crealco.co.za** or from StarFront.

All drawings in the Wispeco Documentation are NOT to scale and are used for illustrative purposes only.

Wispeco will not accept responsibility for the use of standard products since Wispeco does not know where these products are being installed.

The hardware recommended in this documentation is suitable for use in most atmospheric environments. When hardware is used in severe coastal environments the manufacturer of the hardware must be consulted.

For the coastal regions and any other high corrosion areas, the following is advised: to minimize phylliform corrosion use SurTec650 RTU spray during the manufacturing of aluminium profile systems. This should be applied, before assembly, on all pre-work aluminium where the powder coating covering has been removed thereby exposing the raw aluminium base.

The use of non-specified hardware or incorrect mechanical fasteners can adversly affect the mechanical and weathering performance of the system and we strongly advise against deviations. A Wispeco Consultant can advise you of any hardware issues and limitations with regard to this system.

The use of anti-magnetic stainless steel screws and aluminium pop rivets is recommended to reduce galvanic corrosion in harsh environments.

Fixing lugs on frames must be positioned as per the user manual and used in accordance to the AAMSA specifications. When profiles are screwed together the screw centres must also be according to the user manual or as specified by an engineer.

All glass used within Wispeco products must comply with SAGGA regulations. Laminated glass must not stand in water.

***For Cleaning and Maintenance of this system please download the Wispeco Installation, Cleaning and Maintenance Procedures from the Crealco website (www.crealco.co.za).*

By continuing to use this documentation you acknowledge that you understand and accept the legal disclaimer.

This manual must be read in conjunction with the Installation, Cleaning & Maintenance Document and the Performance Certificates for the relevant system. The manual must also be used in conjunction with the design and cutting list from the latest version of StarFront.

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INDEX

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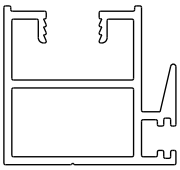
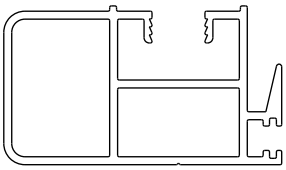
Profile Identification

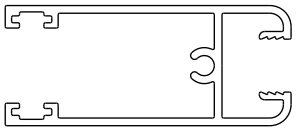
Elite Window Profiles



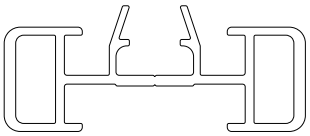
DIE No. W55168 Elite Interlocker



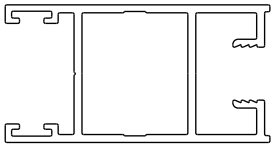
DIE No. W55167 Elite Heavy Duty Interlocker



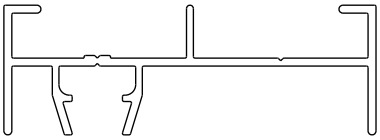
DIE No. W31082 Elite Sash Top&Bottom



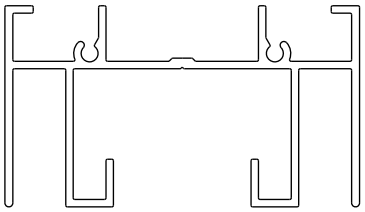
DIE No. W57553 Elite Meeting Stile



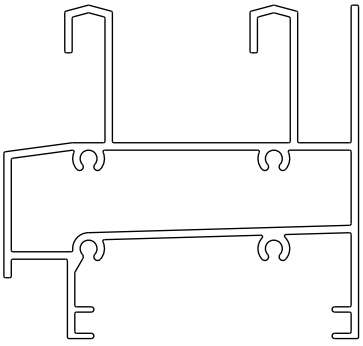
DIE No. W55166 Elite Lock Stile



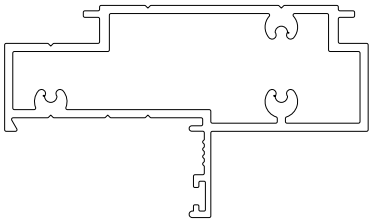
DIE No. W31080 Elite Frame Jamb



DIE No. W31079 Elite Frame Head



DIE No. W55169 Elite Frame Sill



DIE No. W57363 Elite Sub Light

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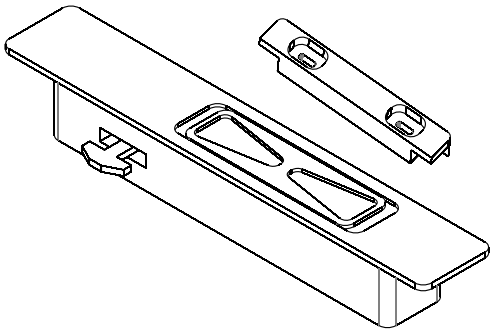
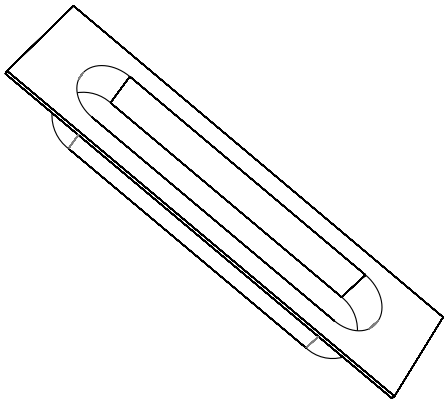
Hardware Components

RECOMMENDED ELITE SLIDING WINDOW COMPONENTS

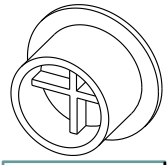
All hardware is available through our Stockists as well as through Crealco Components, and can be viewed on www.crealco-components.com



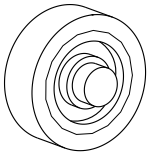
HFP-HWK-NAT
HFP-HWK-WHT
HFP-HWK-BLK
Handle



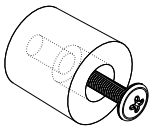
HPL-MFP-BLK
HPL-MFP-WHT
Mini Flush Pull Handle



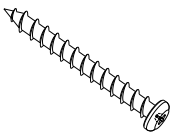
PEX-NRV
Non-Return Valve



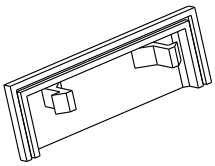
SDW-ROLL
Roller Only



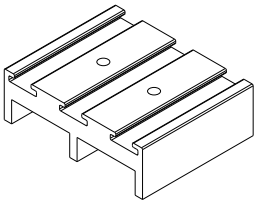
SGD-VST + FSP-0820P-SS
Stopper With Screw



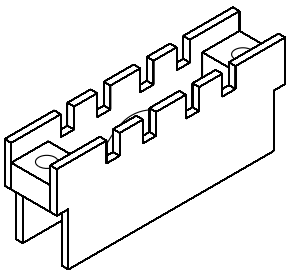
FSP-0830P-SS
P/Head POSI
8x30 S/S Screw



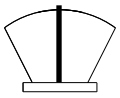
PEX-WDC
Drainage Cover



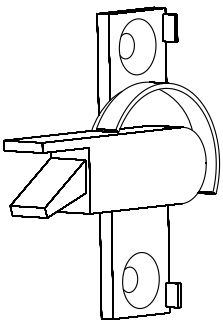
SGD-AL
Draught Excluder Anti Lift

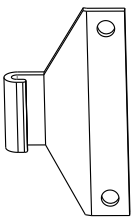


SDW-RH
Roller Housing

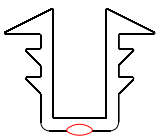


GFP-6790
Finpile

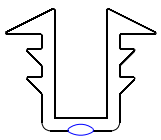




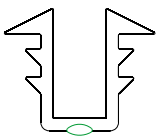
HCC-CC
Cam Catch



GCH-CR
Red Pip = 4mm Glass



GCH-CB
Blue Pip = 5mm Glass



GCH-CSG
Green Pip = 6.38mm Glass

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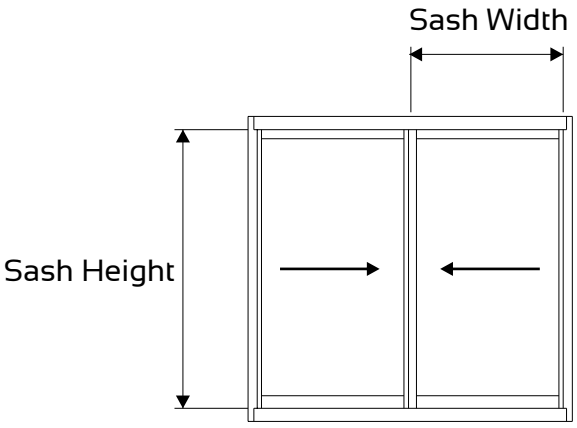
Size Limitation Guide

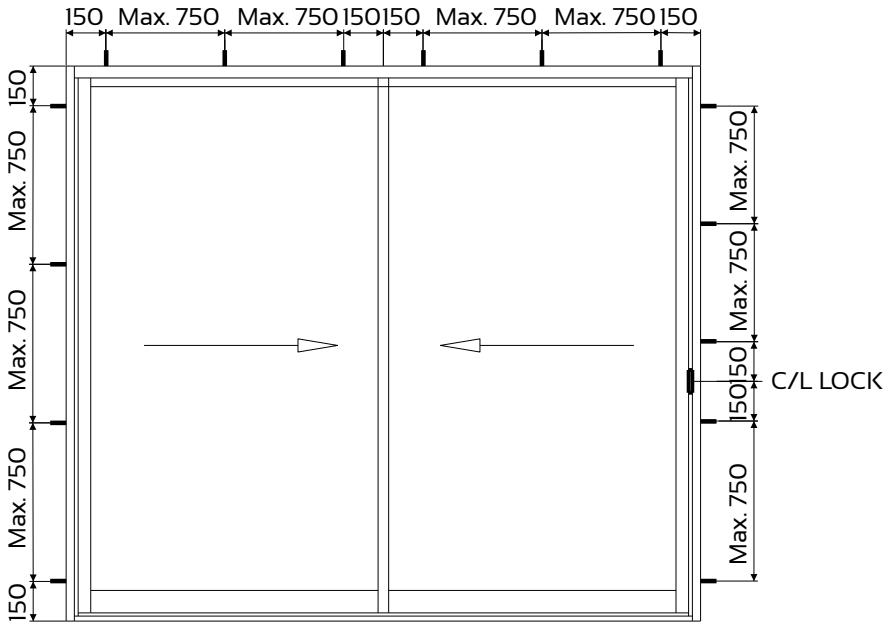


MAXIMUM SASH WIDTH = 1500mm

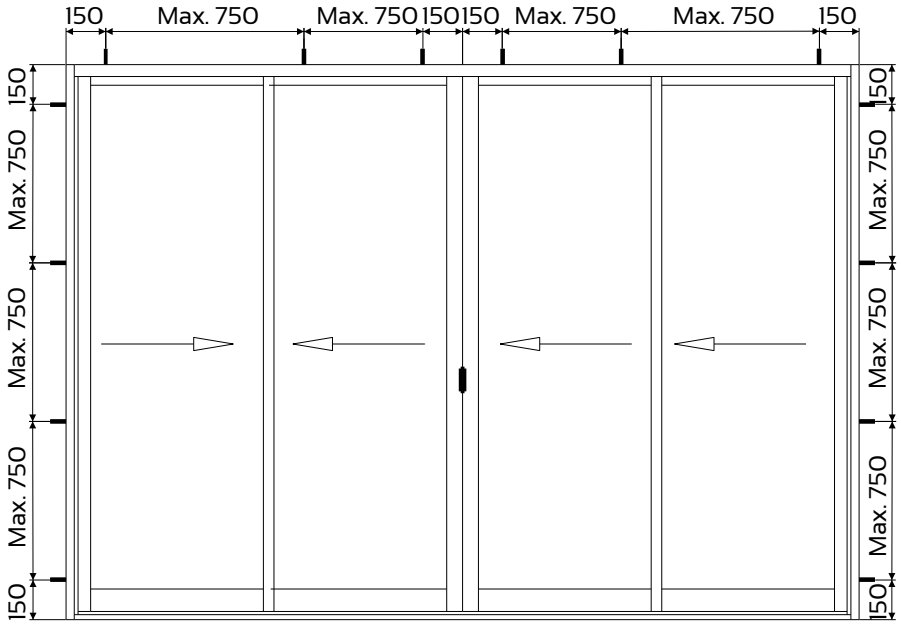
MAXIMUM SASH HEIGHT = 1800mm

(SEE LIMITATION CHARTS)

Fixing Details



**TYPICAL OX SLIDING DOOR &
HORIZONTAL SLIDING WINDOW**



**TYPICAL OXXO SLIDING DOOR &
HORIZONTAL SLIDING WINDOW**

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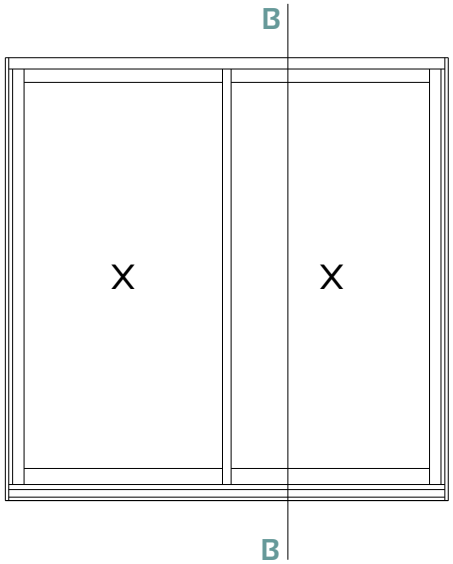
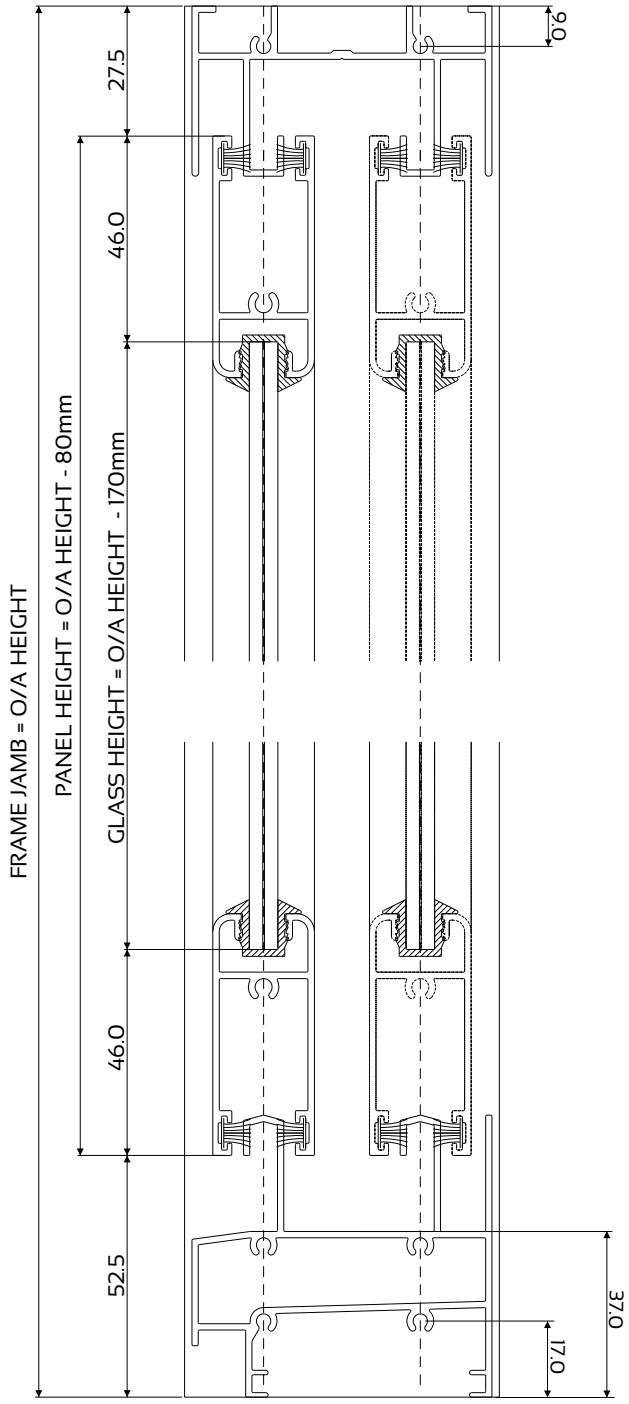
Cross-Sectional Detail

Cutting Sizes





SECTION B-B
Section not to scale

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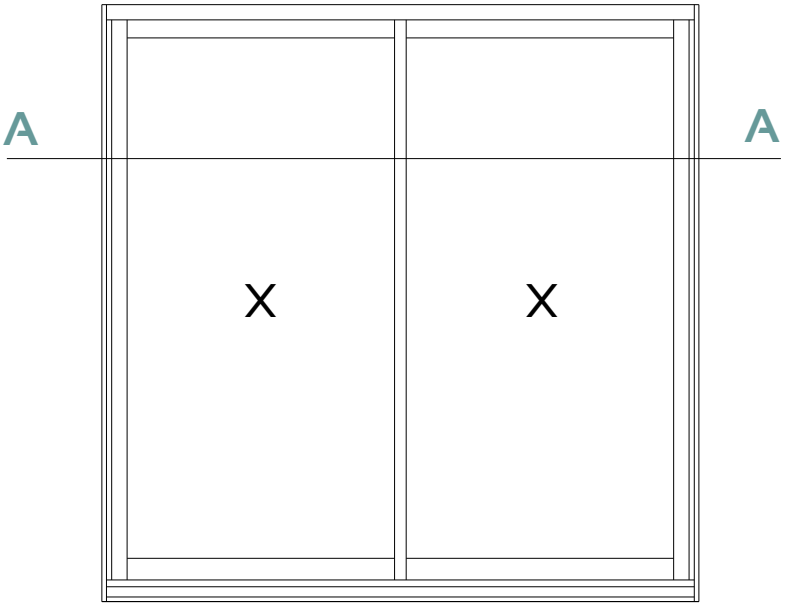
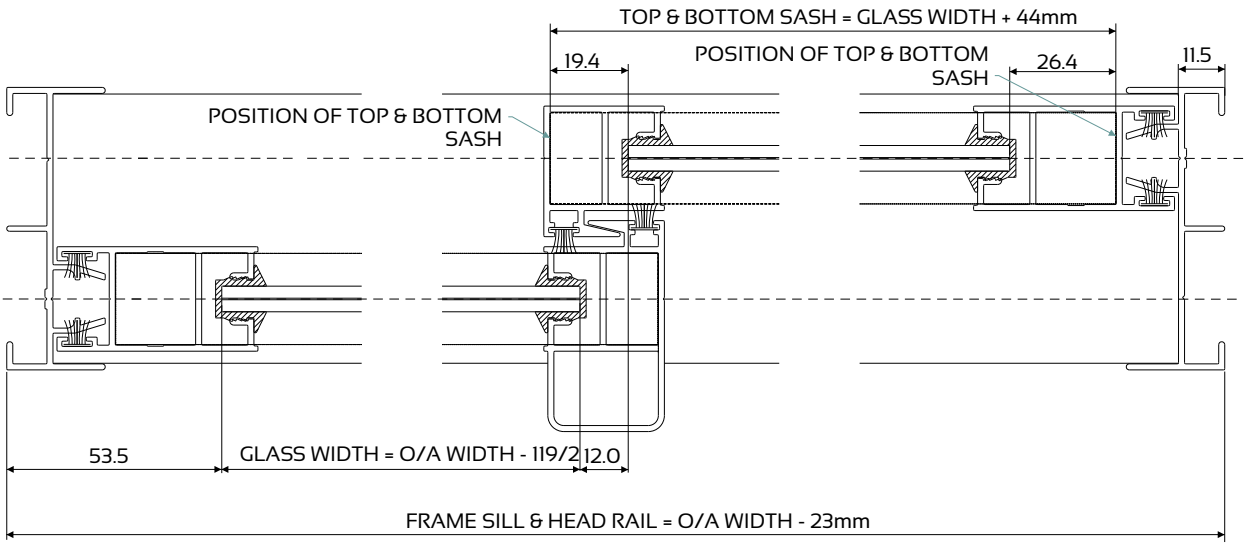
Cross-Sectional Detail

Cutting Sizes



SECTION A-A
Section not to scale

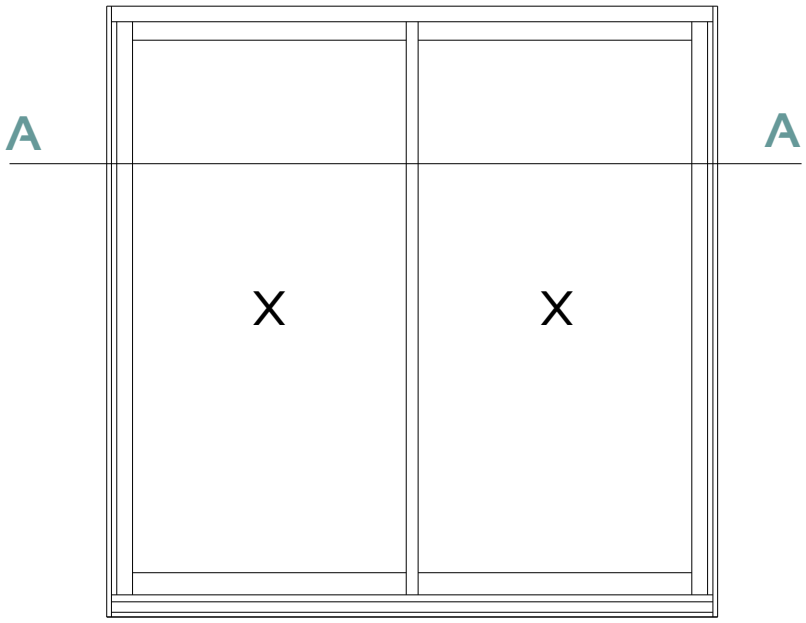


OUTSIDE

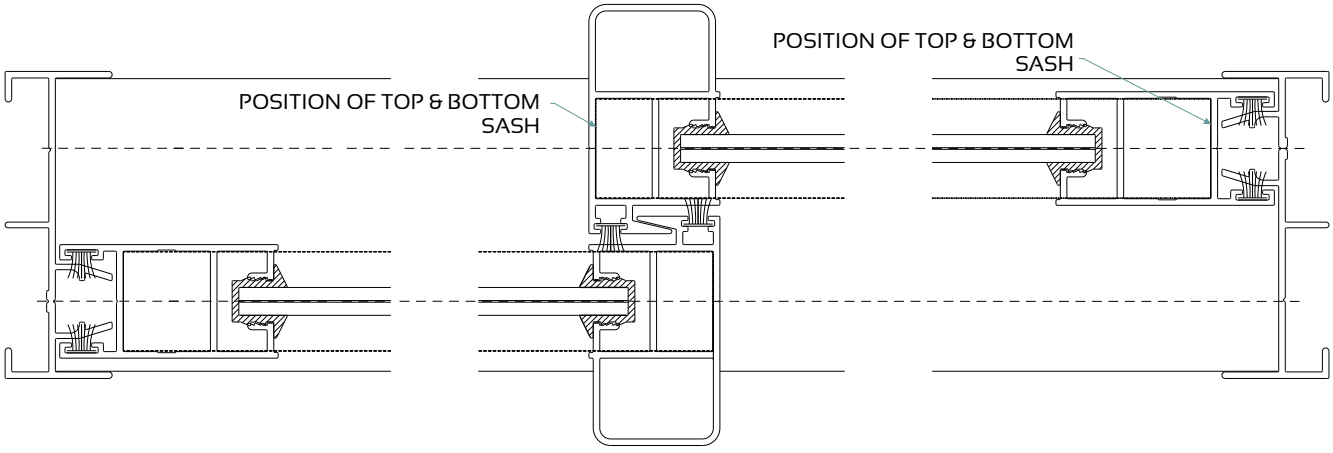
This manual must be read in conjunction with the Installation, Cleaning & Maintenance Document and the Performance Certificates for the relevant system. The manual must also be used in conjunction with the design and cutting list from the latest version of StarFront.

Cross-Sectional Detail

H/D Interlocker



SECTION A-A
Section not to scale



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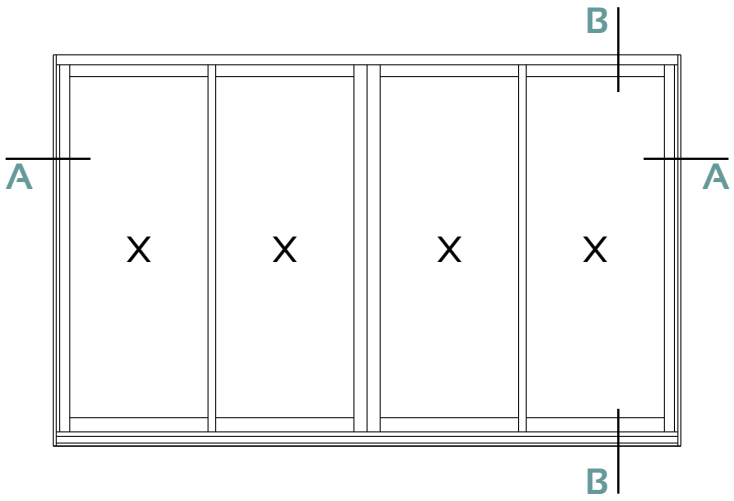
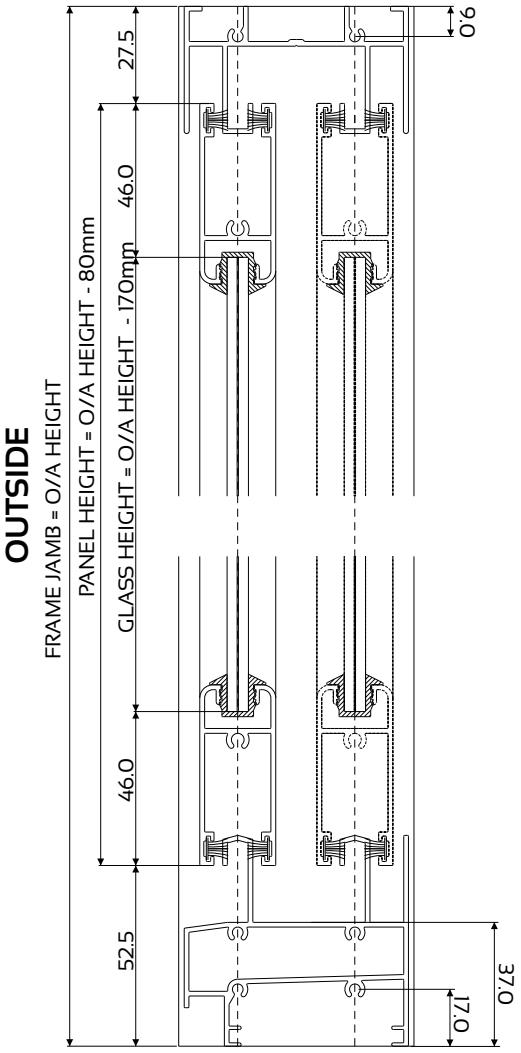
Cross-Sectional Detail

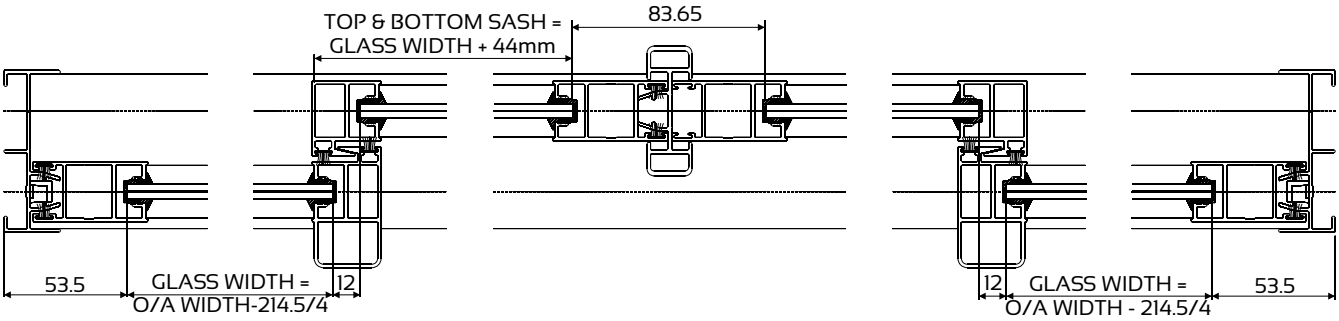
XXXX Configuration



SECTION B-B
Section not to scale



SECTION A-A
Section not to scale



OUTSIDE

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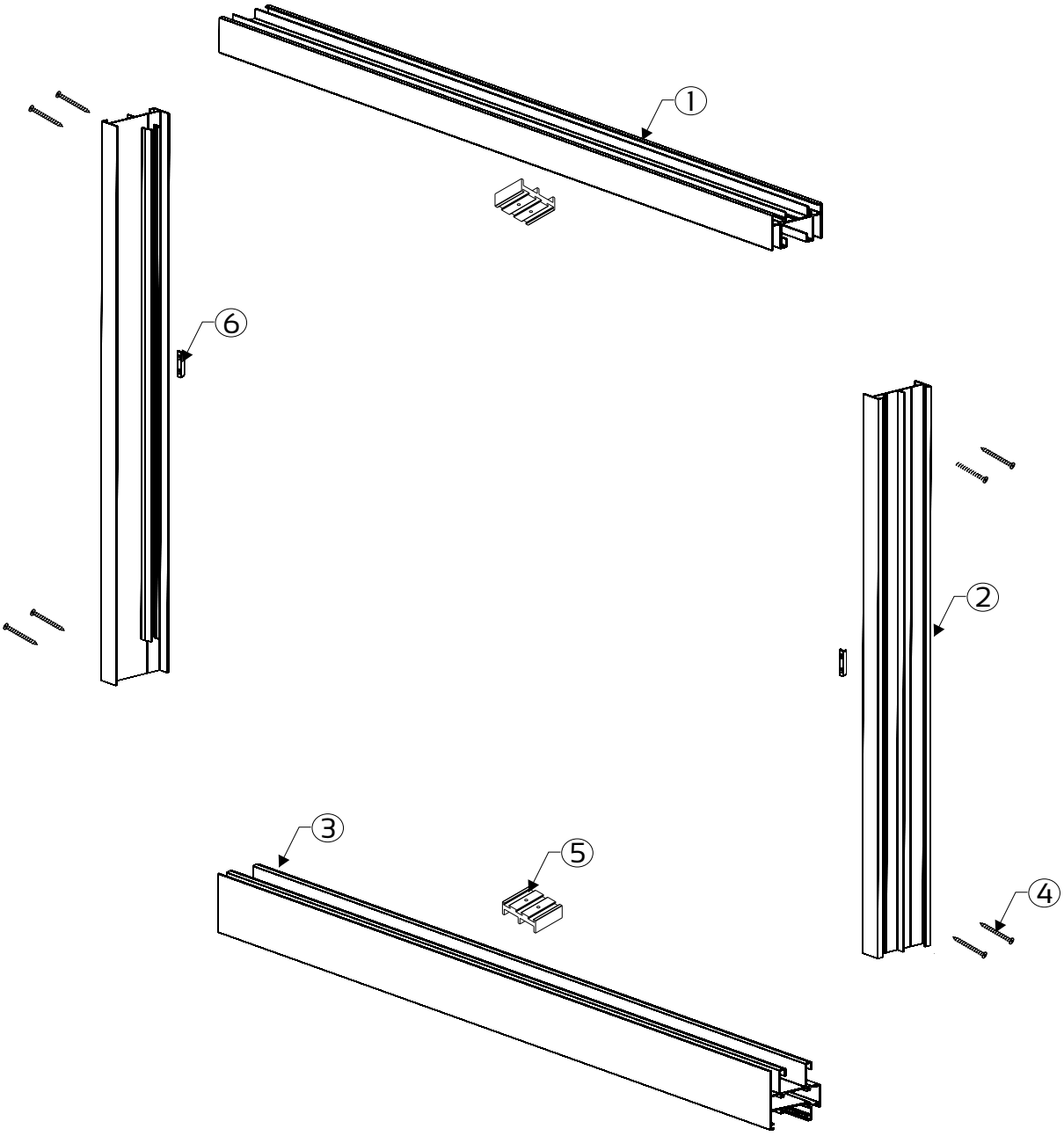
Assembly Detail

Outer Frame Component



System Profiles

ITEM	QTY	DIE No.	DESCRIPTION
1	1	W31079	Elite Frame Head
2	2	W31080	Elite Frame Jamb
3	1	W55169	Elite Frame Sill

Hardware

ITEM	QTY	COMPONENT DESCRIPTION
4	8	8x30 P/Head POSI S/S Screw
5	2	Draught Excluder
6	2	Handle Catch & Keep

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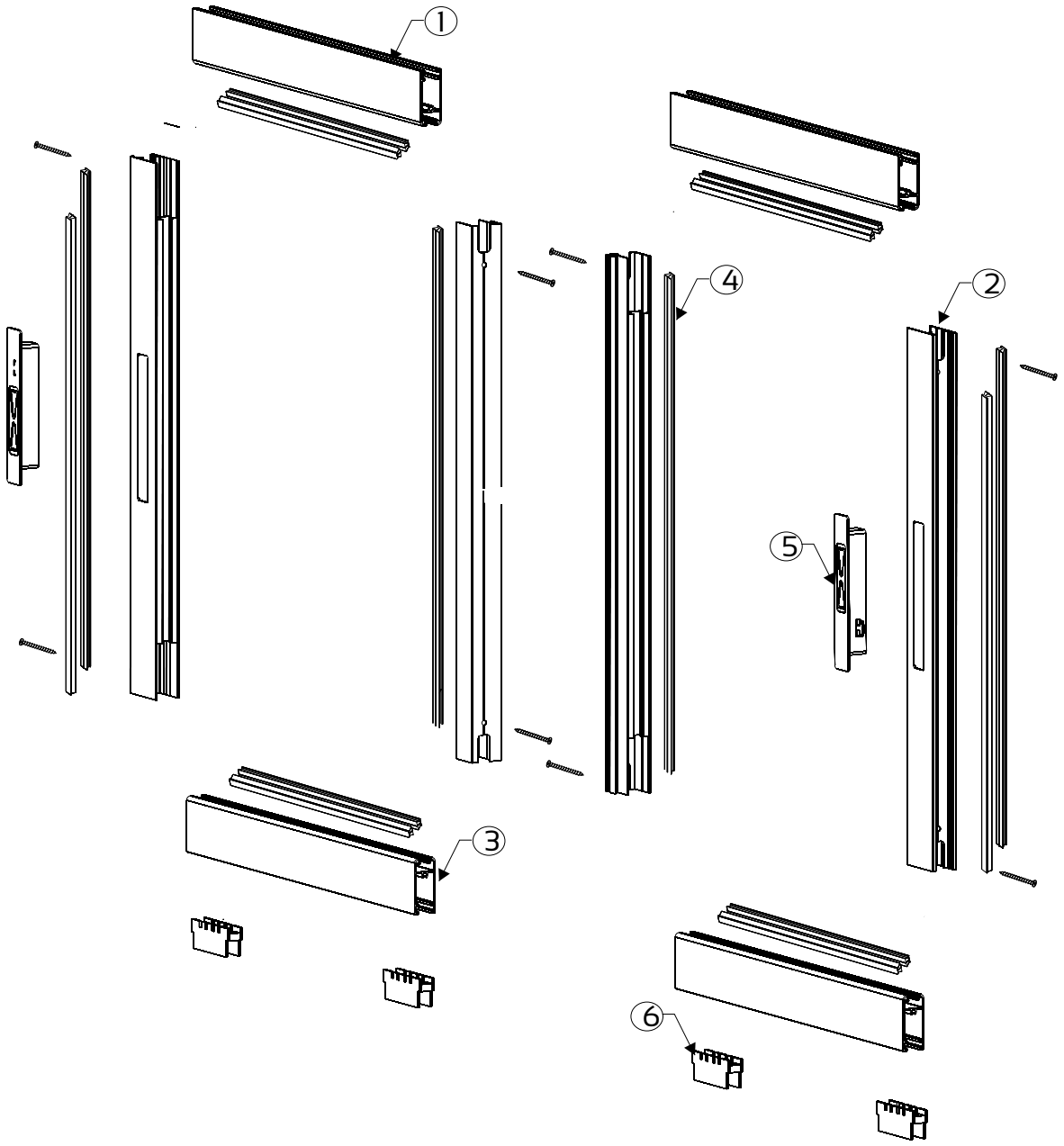
Assembly Detail

Sash Frame Component with Lock



System Profiles

ITEM	QTY	DESCRIPTION
1	2	Elite Sash Frame Head
2	2	Elite Sash Frame Jamb
3	1	Elite Sash Frame Sill

Hardware

ITEM	QTY	COMPONENT DESCRIPTION
4	8	Finpile
5	1	Lock
6	4	Rollers

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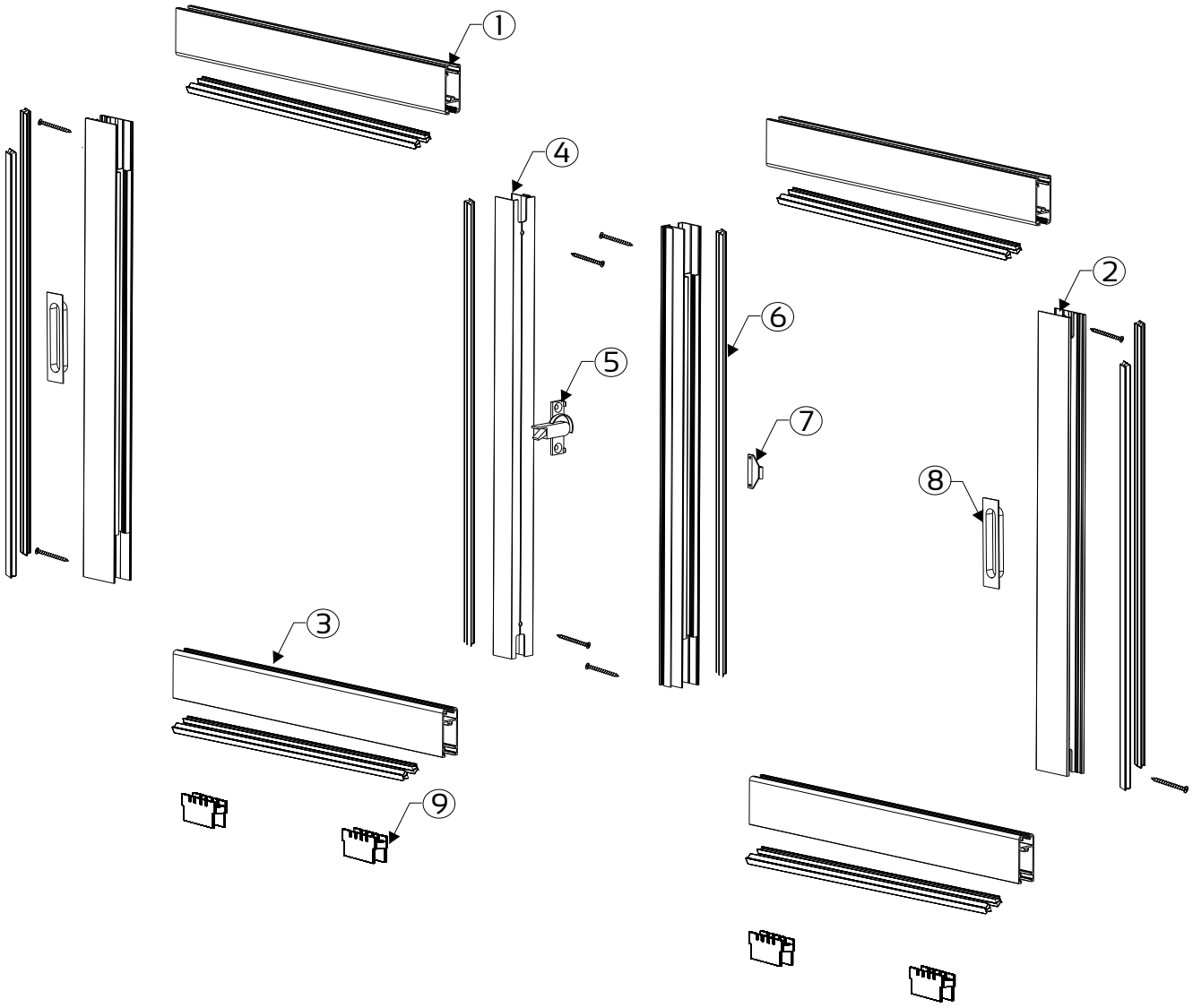
Assembly Detail

Sash Frame Component with Catch and Keep



System Profiles

ITEM	QTY	DESCRIPTION
1	2	Elite Sash Frame Head
2	2	Elite Sash Frame Jamb
3	2	Elite Sash Frame Sill
4	2	Elite Sash Interlocker

Hardware

ITEM	QTY	COMPONENT DESCRIPTION
5	1	Catch
6	8	Finpile
7	1	Keep
8	1	Mini Flush Pull Handle
9	4	Rollers

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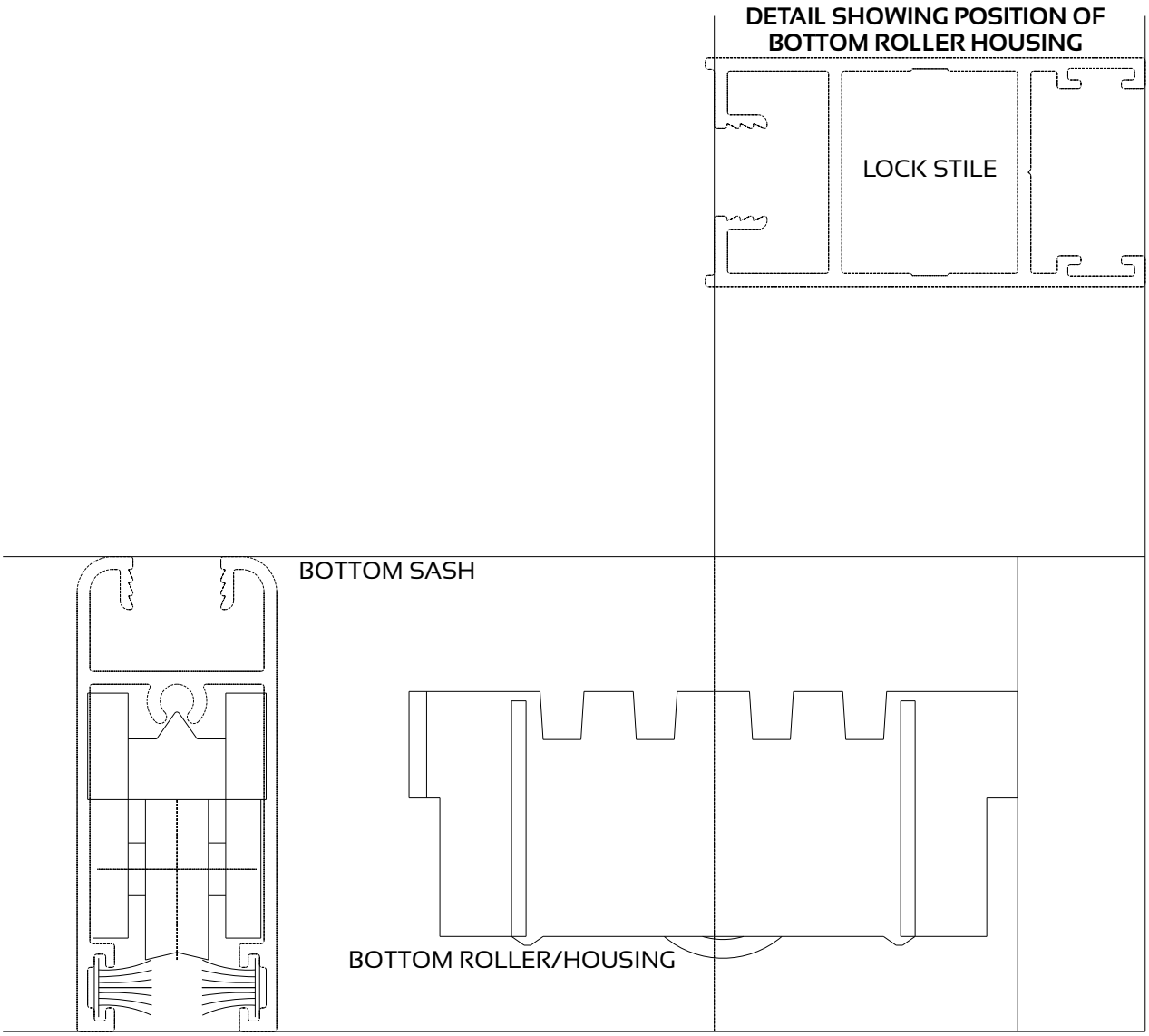
Bottom Roller Detail



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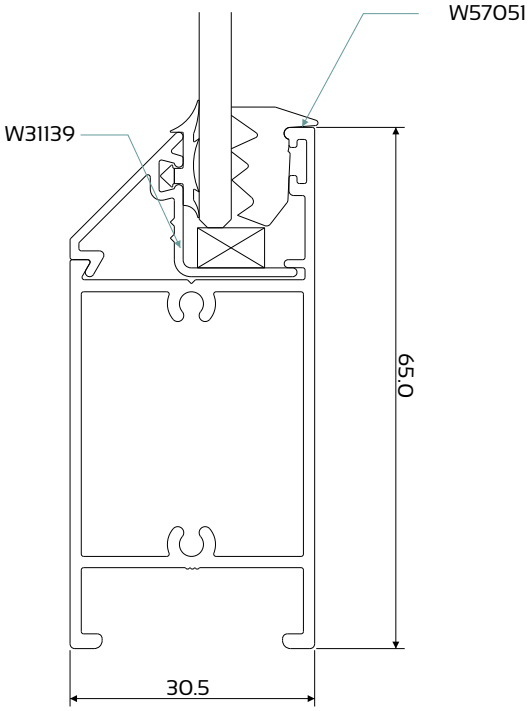

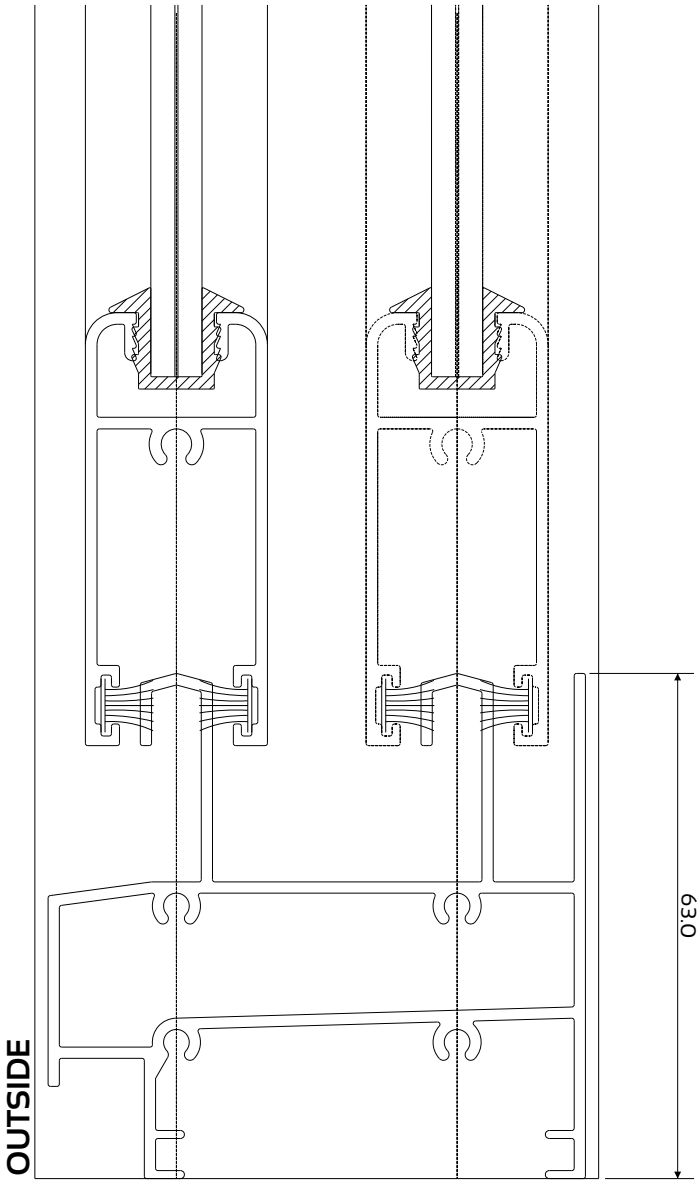

CASEMENT 30.5 SIDELIGHT BOTTOM RAIL

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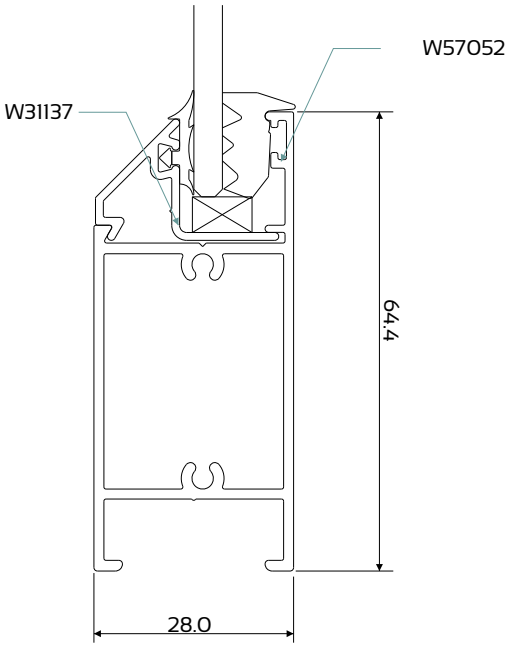
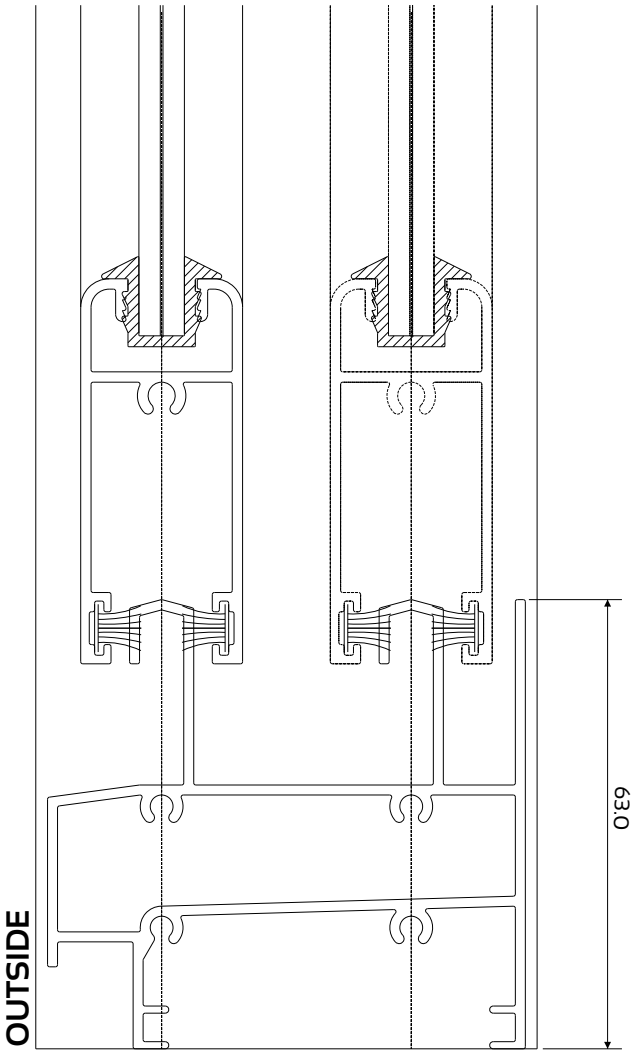
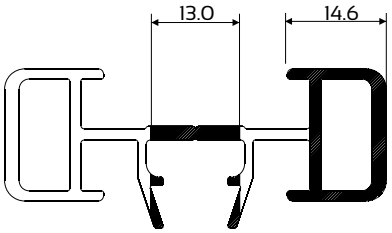


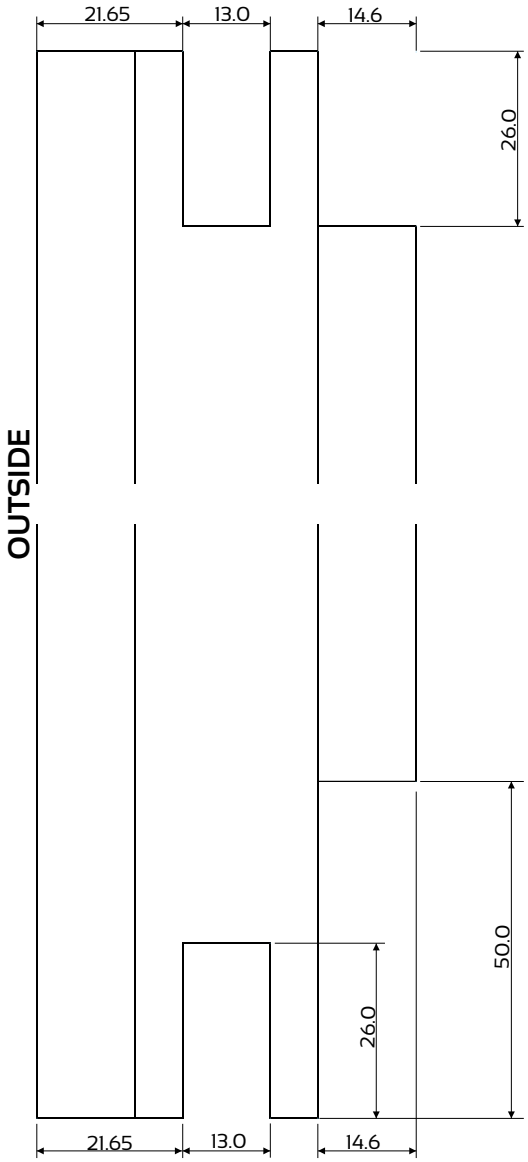


CASEMENT 28 SIDELIGHT BOTTOM RAIL

Machining Detail

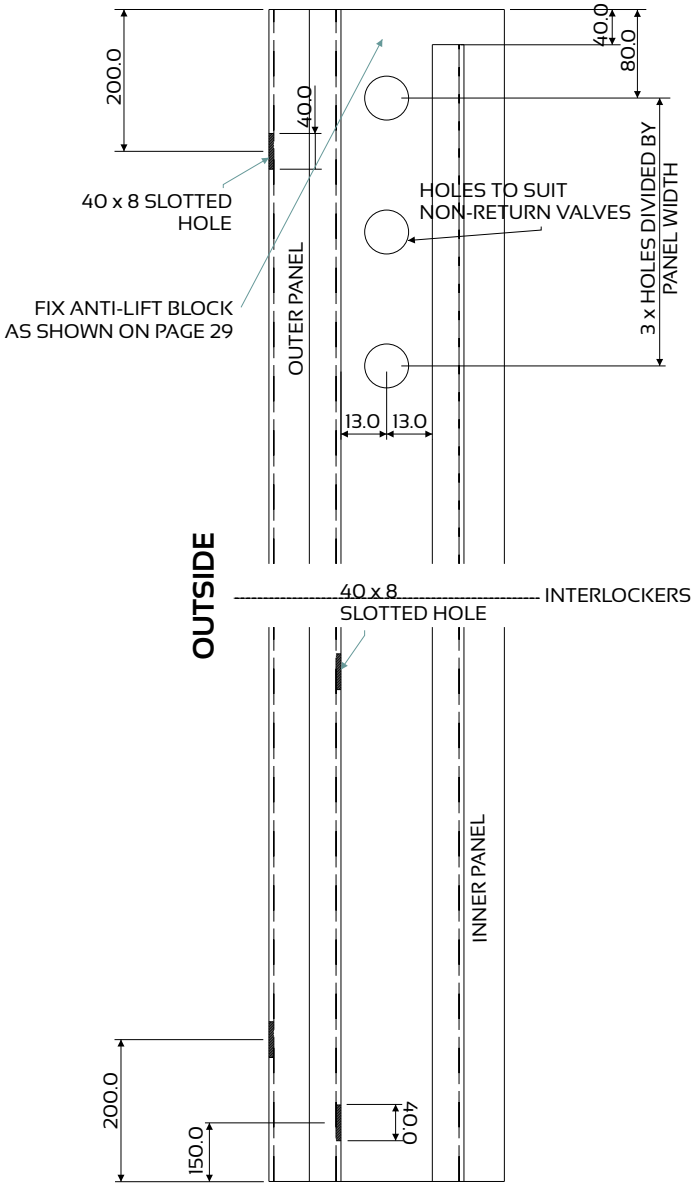
Meeting Stile

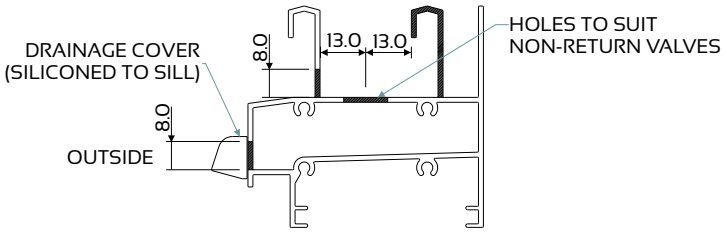




Machining Detail

for Sill Drainage





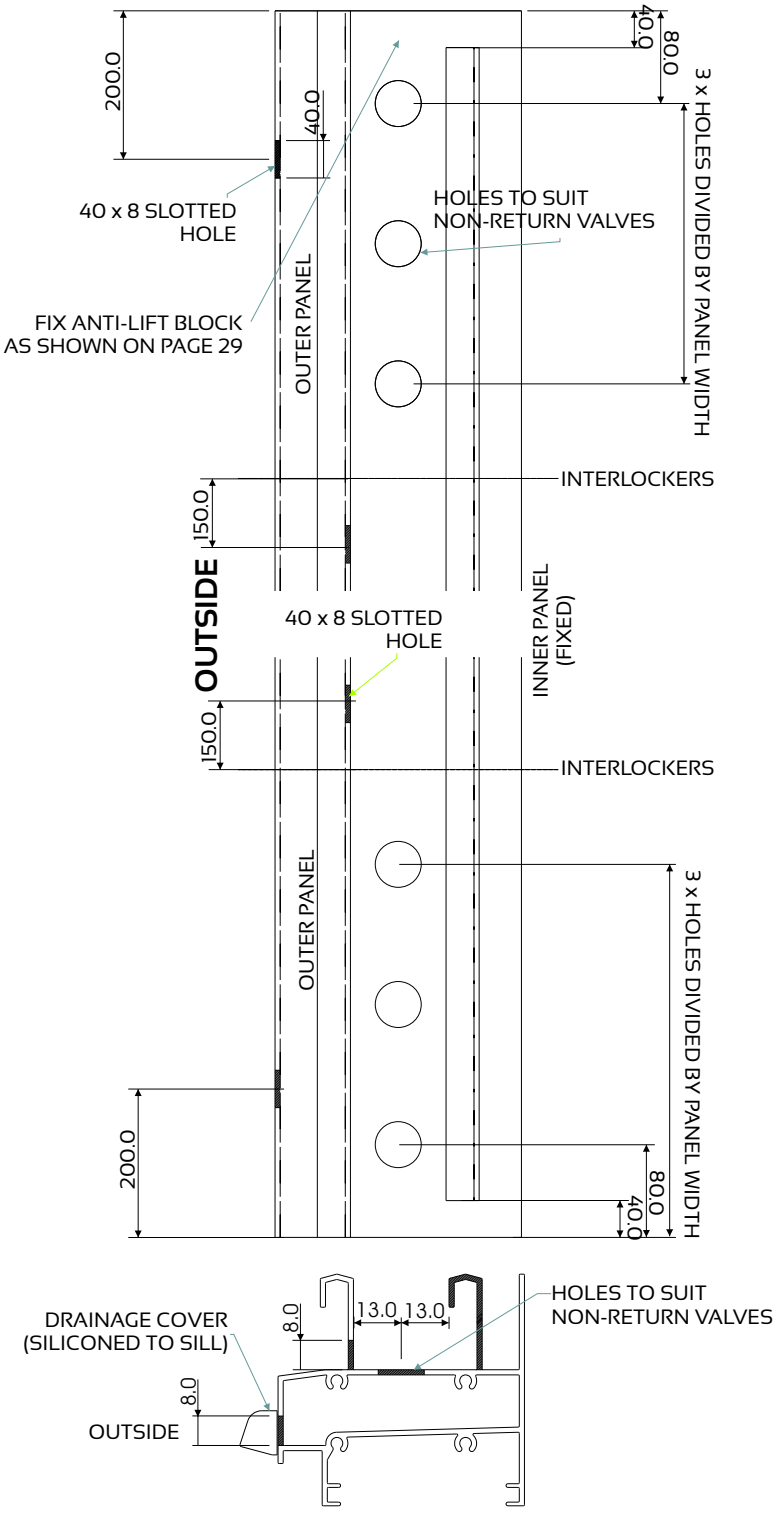
NOTE:
FOR SLIDING WINDOWS
OVER 1200mm WIDE,
3 x DRAINAGE COVERS TO BE ADDED

DRAINAGE FOR XX CONFIGURATION

This manual must be read in conjunction with the Installation, Cleaning & Maintenance Document and the Performance Certificates for the relevant system. The manual must also be used in conjunction with the design and cutting list from the latest version of StarFront.

Machining Detail

for Sill Drainage



NOTE:
FOR SLIDING WINDOWS
OVER 1200mm WIDE,
3 x DRAINAGE COVERS TO BE ADDED

DRAINAGE FOR XOX CONFIGURATION

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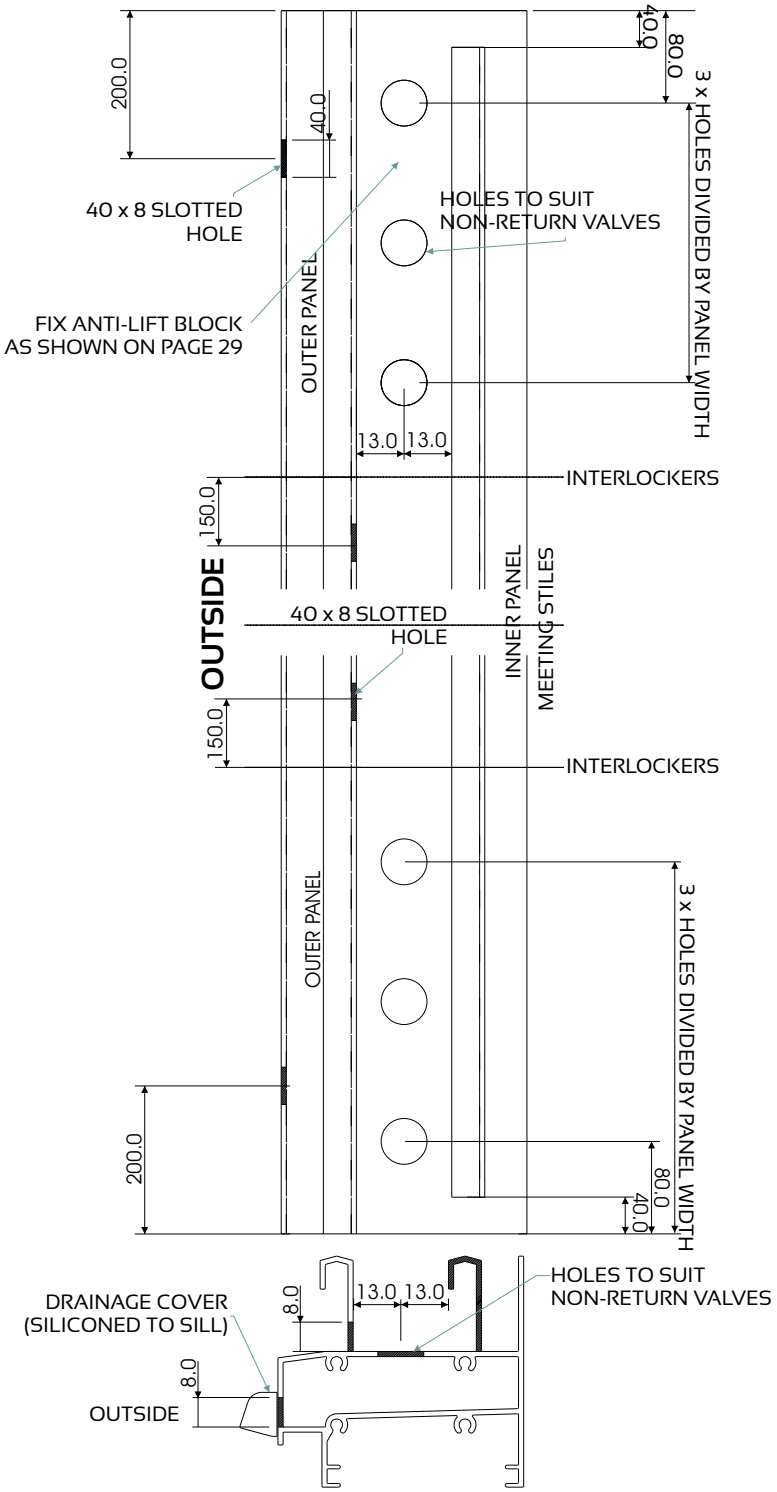
Machining Detail

for Sill Drainage



NOTE:
FOR SLIDING WINDOWS
OVER 1200mm WIDE,
3 x DRAINAGE COVERS TO BE ADDED

DRAINAGE FOR OXXO CONFIGURATION

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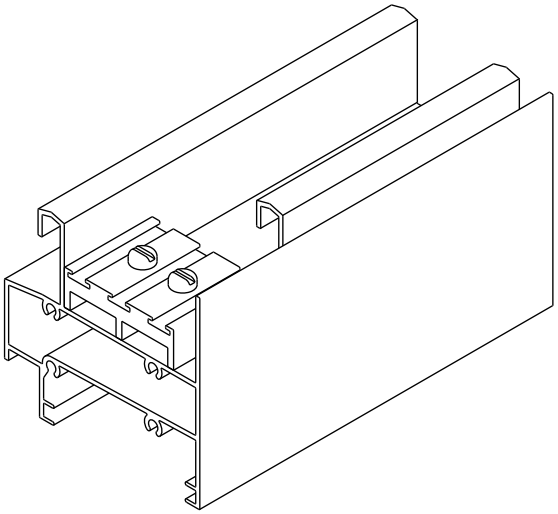
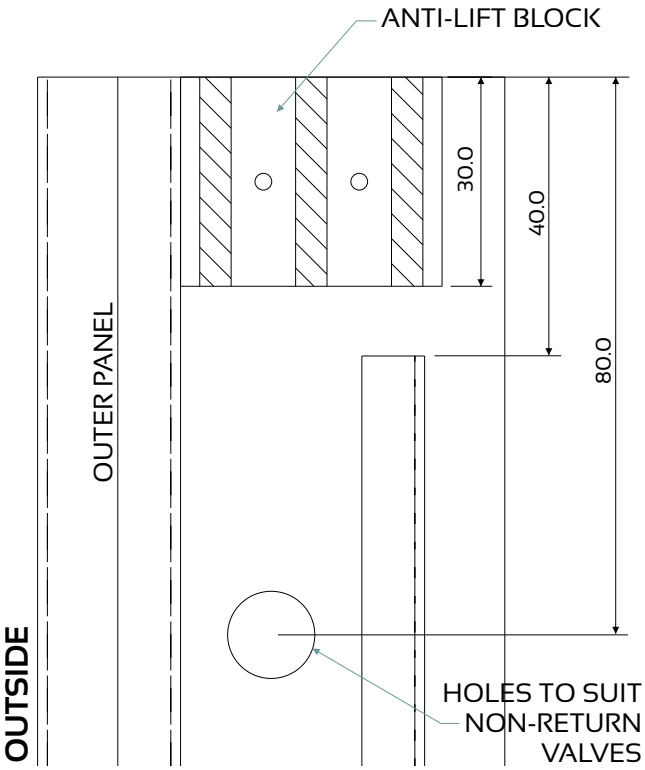
Machining Detail

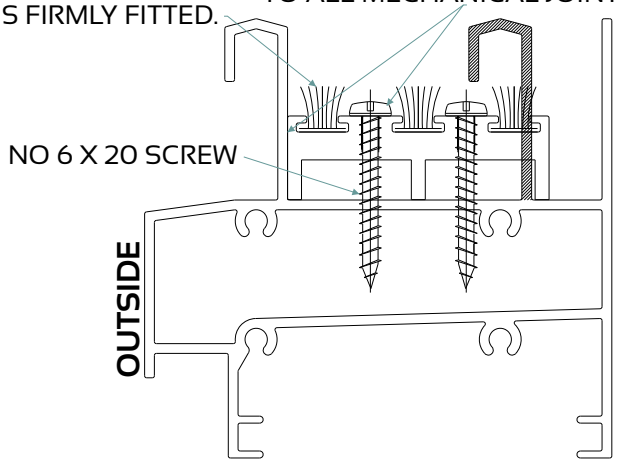
for Sill Drainage





FIT GFP-6790 FINSEAL ONTO ANTI-LIFT BLOCKS, ENSURE FINSEAL IS FIRMLY FITTED.

SILICONE SEALANT TO BE APPLIED TO ALL MECHANICAL JOINTS



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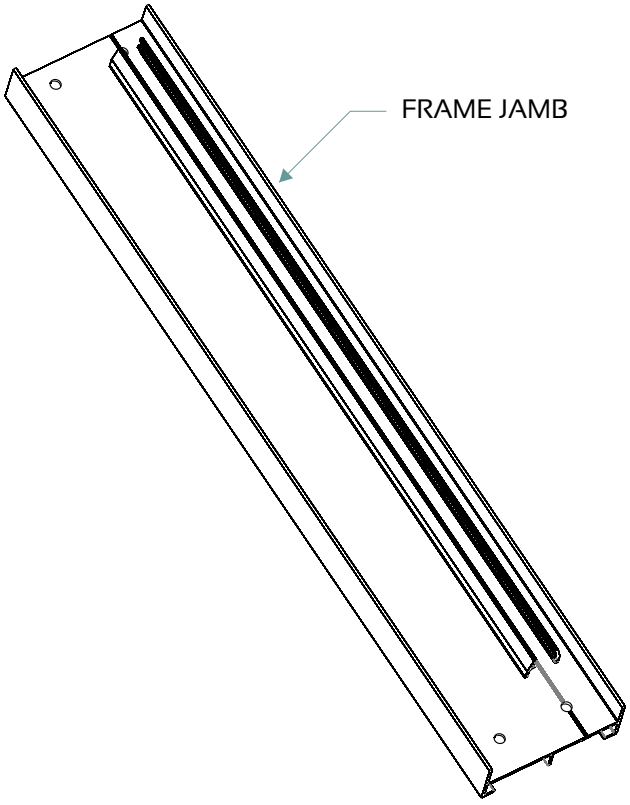
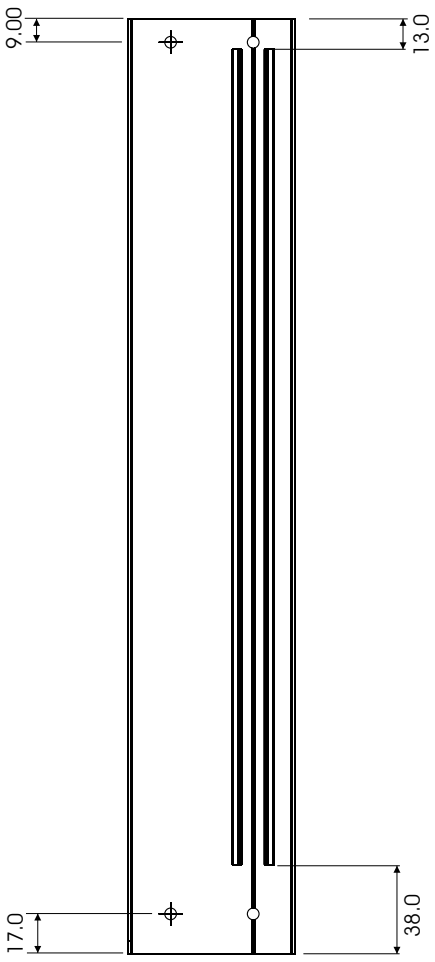
Machining Detail

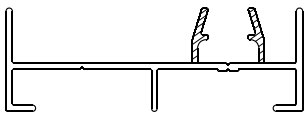
Jamb Rail





TOP VIEW

N.B:
A NEUTRAL SEALANT SHOULD BE APPLIED TO THE PROFILE ENDS OF THE SILL AND HEAD RAILS ON ASSEMBLY TO PROVIDE A GOOD SEAL ON THE OUTER FRAME BUTT JOINTS.
(ENSURE THAT SEALANT USED IS NON-CORROSIVE)



SECTION VIEW

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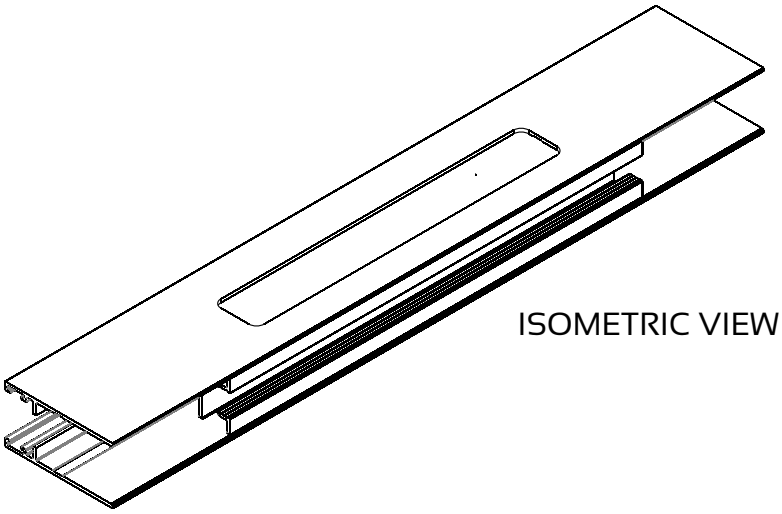
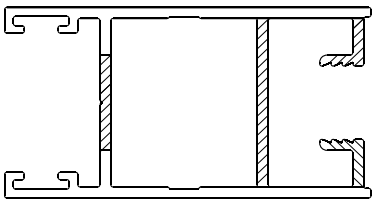
Machining Detail

Lock Stile

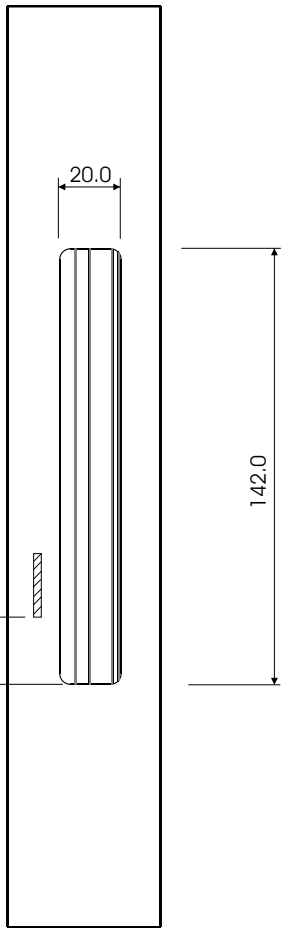


ISOMETRIC VIEW

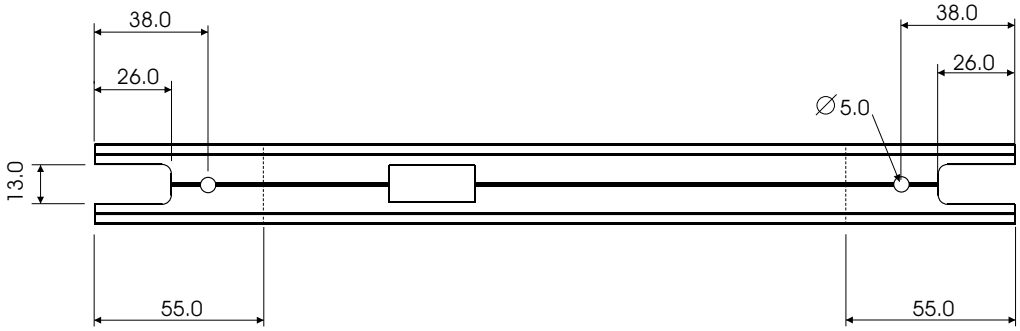
SASH JAMB



SECTION VIEW



FRONT VIEW



SIDE VIEW

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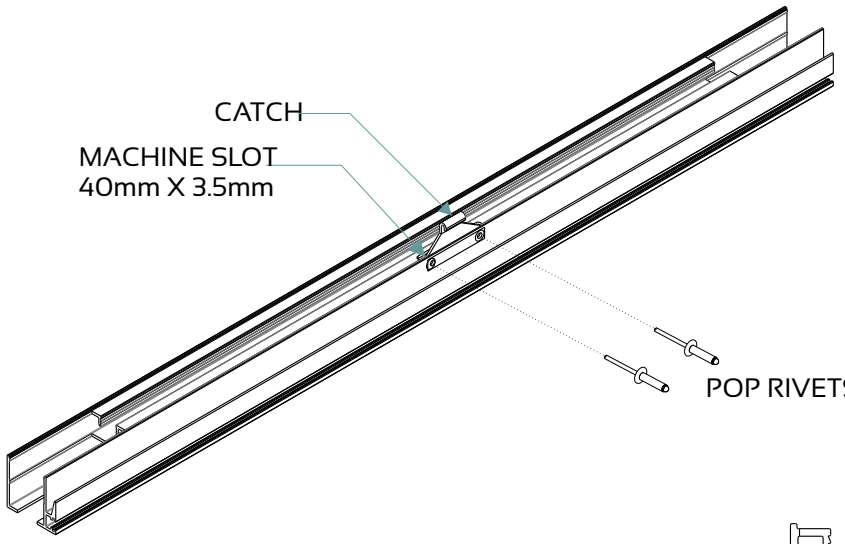
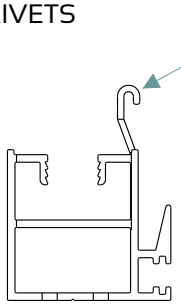
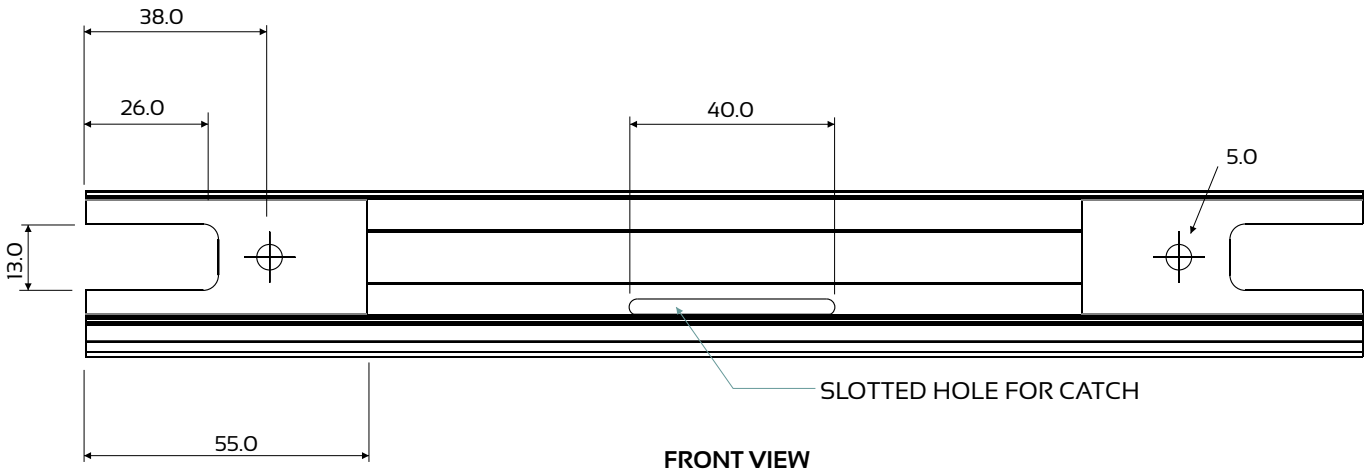
Machining Detail

Interlock





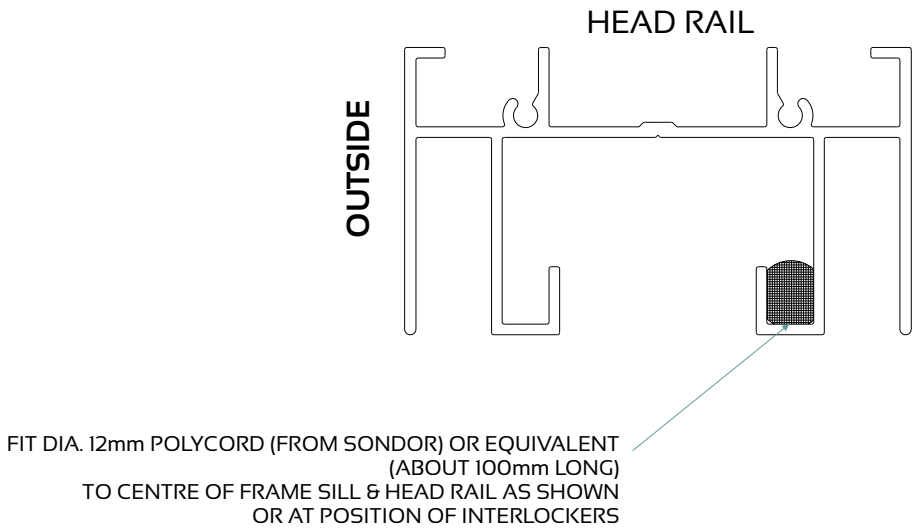
SECTION VIEW

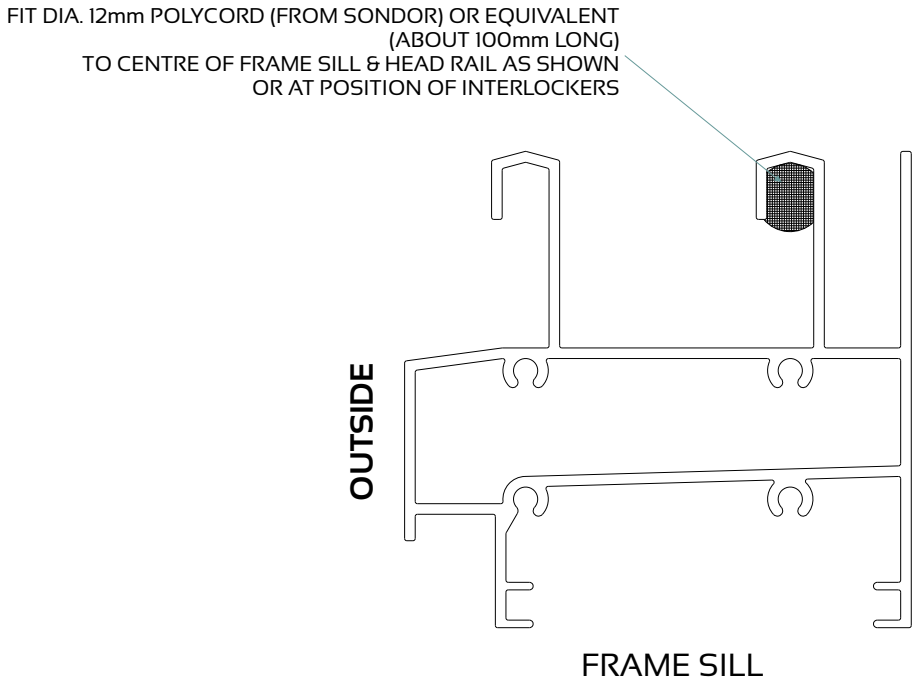


FRONT VIEW

Assembly Detail

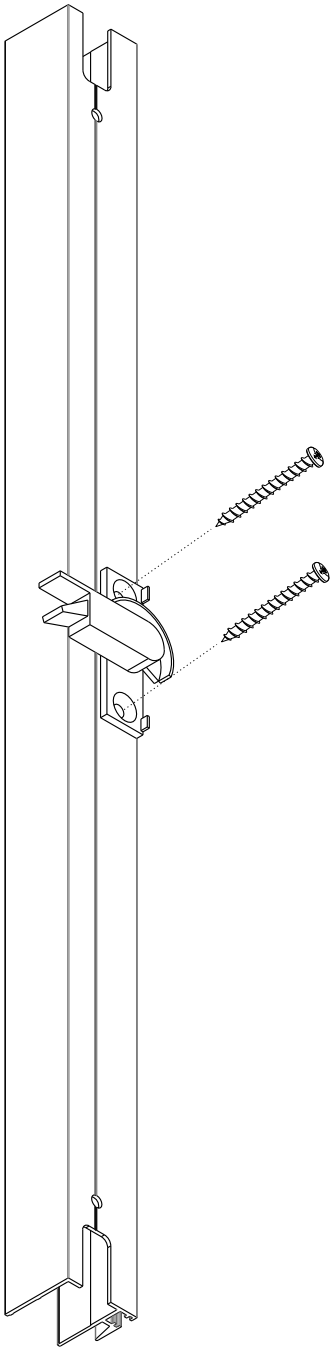
Head Sill Rail





Assembly Detail

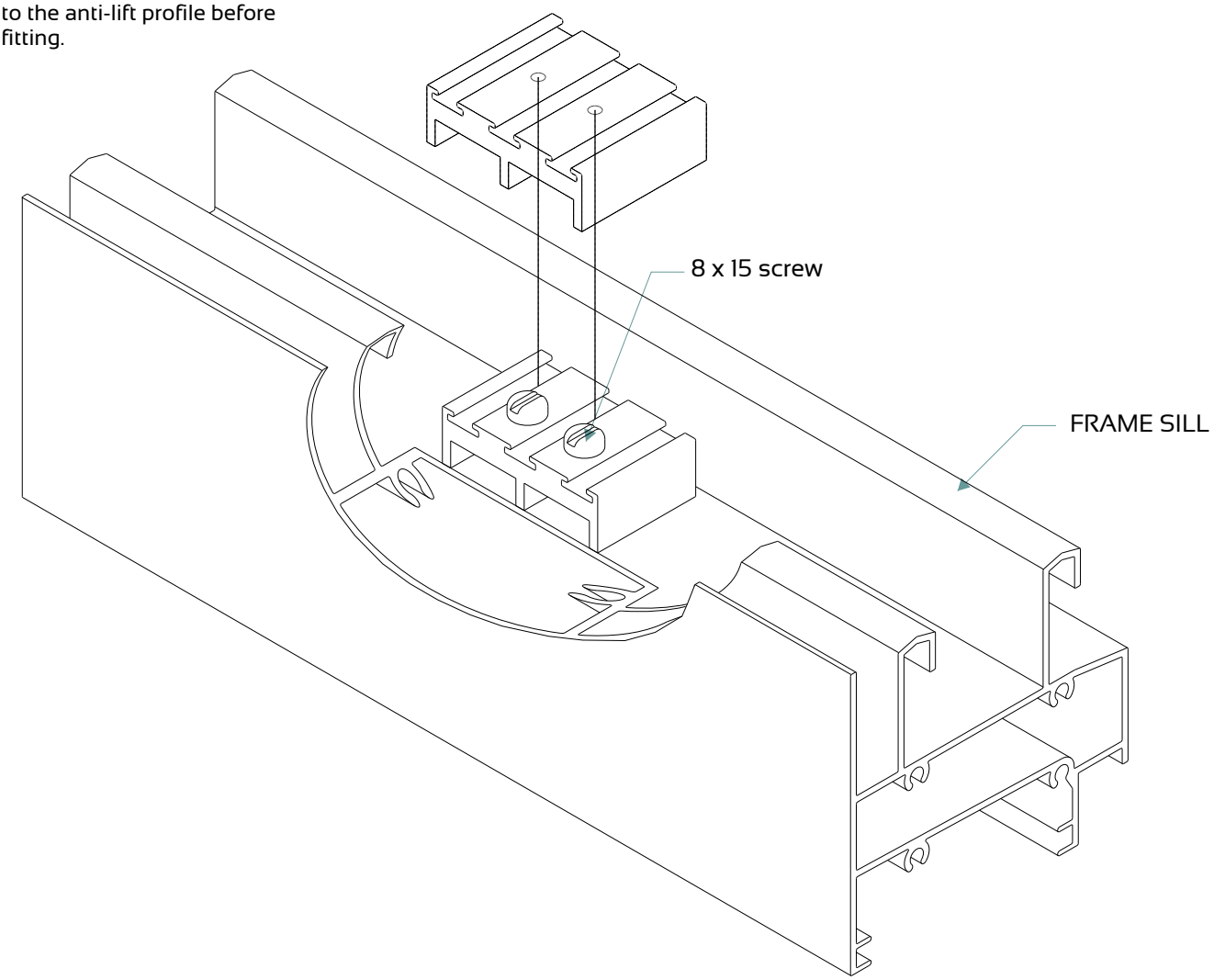
Latch



Assembly Detail

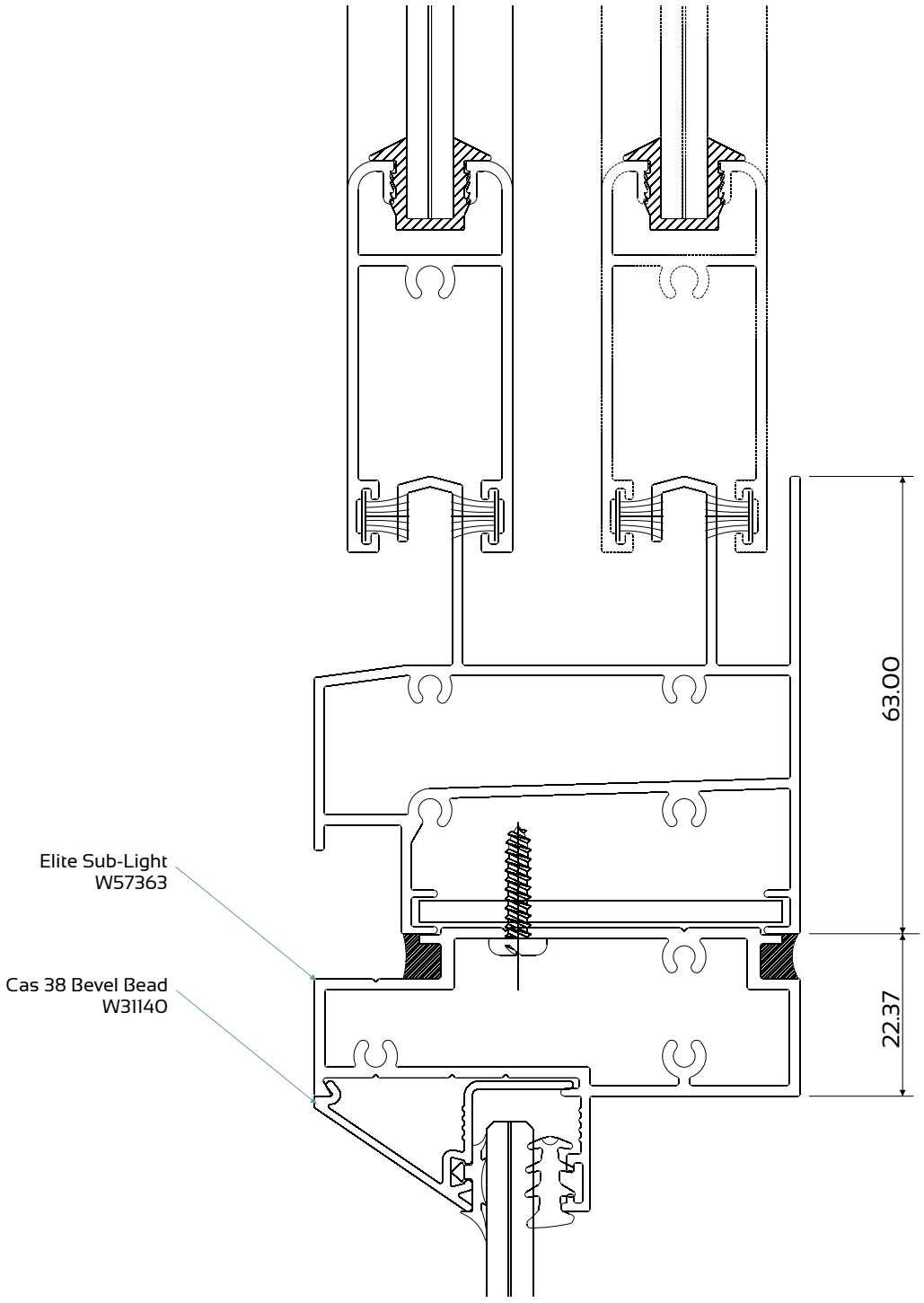
Anti-Lift Block

Note : Woolpile must be added to the anti-lift profile before fitting.



Note : Anti-lift profile must be fitted to both the head and the sill directly above the interlocks when the window is in the closed position.

Sub-Light Detail



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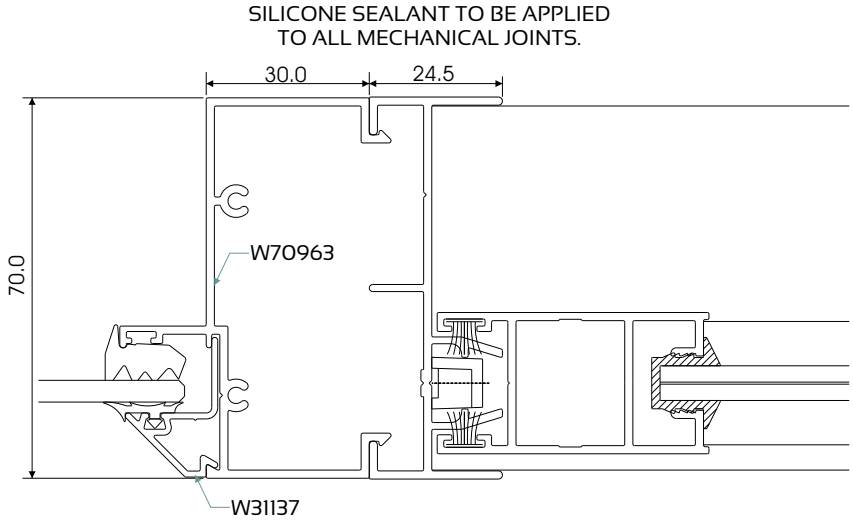
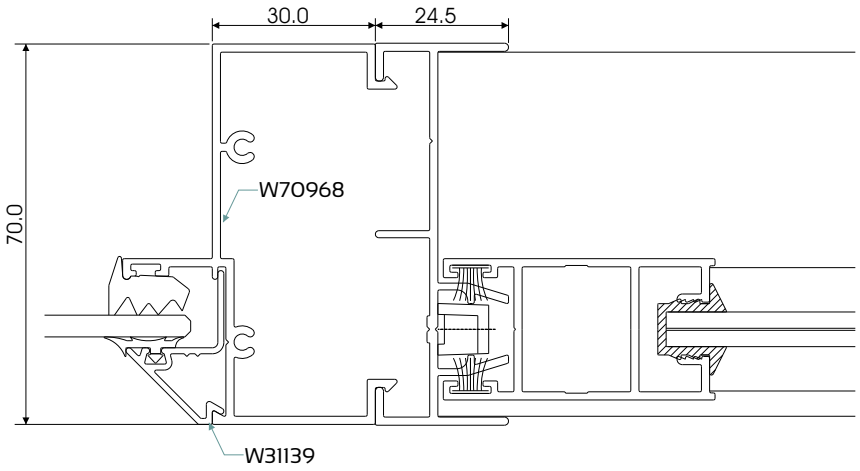


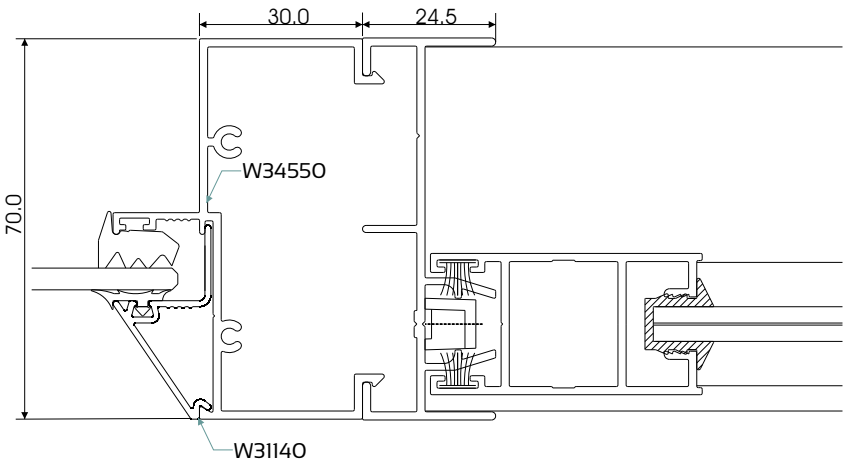
SIDELIGHT COMBO FOR CASEMENT 28

SILICONE SEALANT TO BE APPLIED
TO ALL MECHANICAL JOINTS.



SIDELIGHT COMBO FOR CASEMENT 30.5

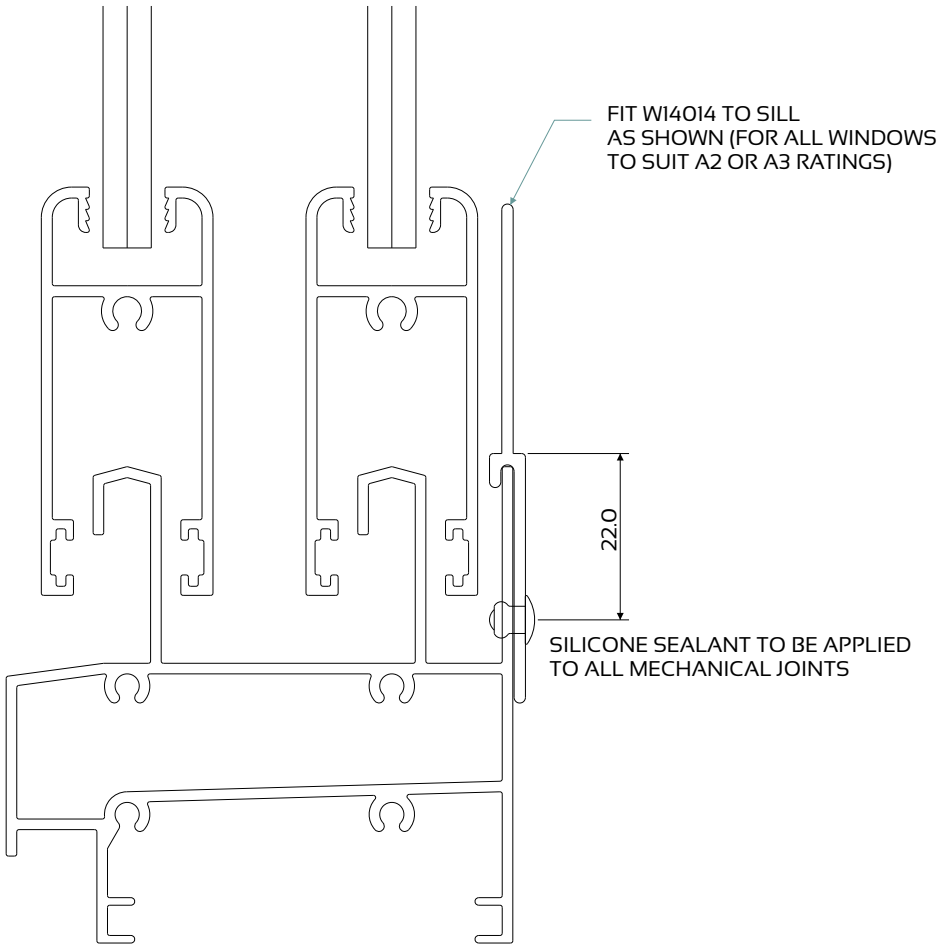
SILICONE SEALANT TO BE APPLIED
TO ALL MECHANICAL JOINTS.



SIDELIGHT COMBO FOR CASEMENT 38

Fitting Of Sill Extension

For A2 & A3



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GLAZING

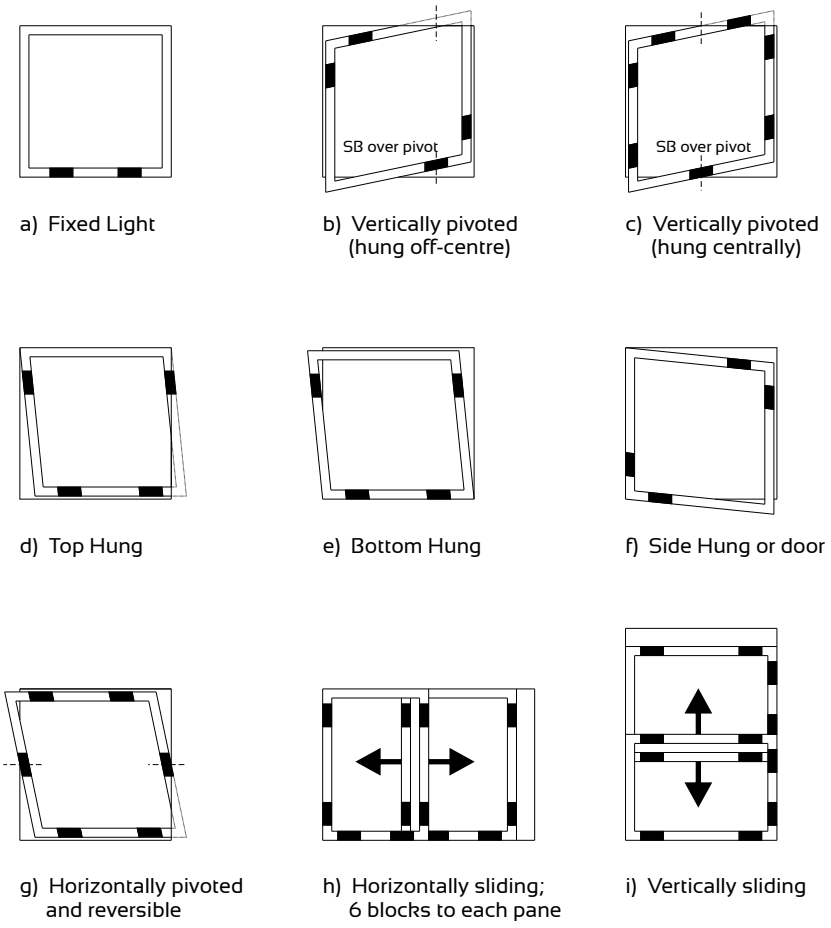
1. SELECTION OF GLAZING METHODS

1.1 SETTING AND LOCATION BLOCKS

Glass-to-metal contact must be avoided at all times by using setting and location blocks having a hardness of 50° to 90° shore A durometer. Use only blocks made of Neoprene, EPDM, Silicone or other elastomeric material.

Setting blocks are to have a minimum thickness of 3mm and must be at least 27mm in length per square metre of glass area.

The position of the setting and location blocks is illustrated in Figure 2.



a) Fixed Light
b) Vertically pivoted (hung off-centre)
c) Vertically pivoted (hung centrally)
d) Top Hung
e) Bottom Hung
f) Side Hung or door
g) Horizontally pivoted and reversible
h) Horizontally sliding; 6 blocks to each pane
i) Vertically sliding

FIGURE 2 - POSITION OF SETTING AND LOCATION BLOCKS