DOUBLE TRACK
PRODUCT MANUAL
REVISION 2.0

ROUGE
SLIDING DOOR

crealco
creative aluminium

WISPECO
Aluminium

WISPECO Aluminium

LEGAL DISCLAIMER

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 a Wispeco Technical Representative before proceeding. It is advisable to have all sizing and performance criteria checked by a qualified structural engineer to ensure that all performance and compliance 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.

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Specifications concerning products and applications
This manual is based on standard configurations only. As there are many configurations not covered in this manual, contact a Wispeco Technical Consultant with regard to a configuration not represented herein.

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 Crealco Silicon. 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 the Wispeco website.

All drawings in the Wispeco Documentation are shown NOT to scale are used for illustrative purposes only. For correct sizing and machining of system profiles refer to the Wispeco StarFront Aplication.

Wispeco cannot 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.

The use of non-specified hardware or incorrect mechanical fasteners can adversely 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 centrers 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.

ROUGE SLIDING DOOR

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SLIDING DOOR

PRODUCT MANUAL

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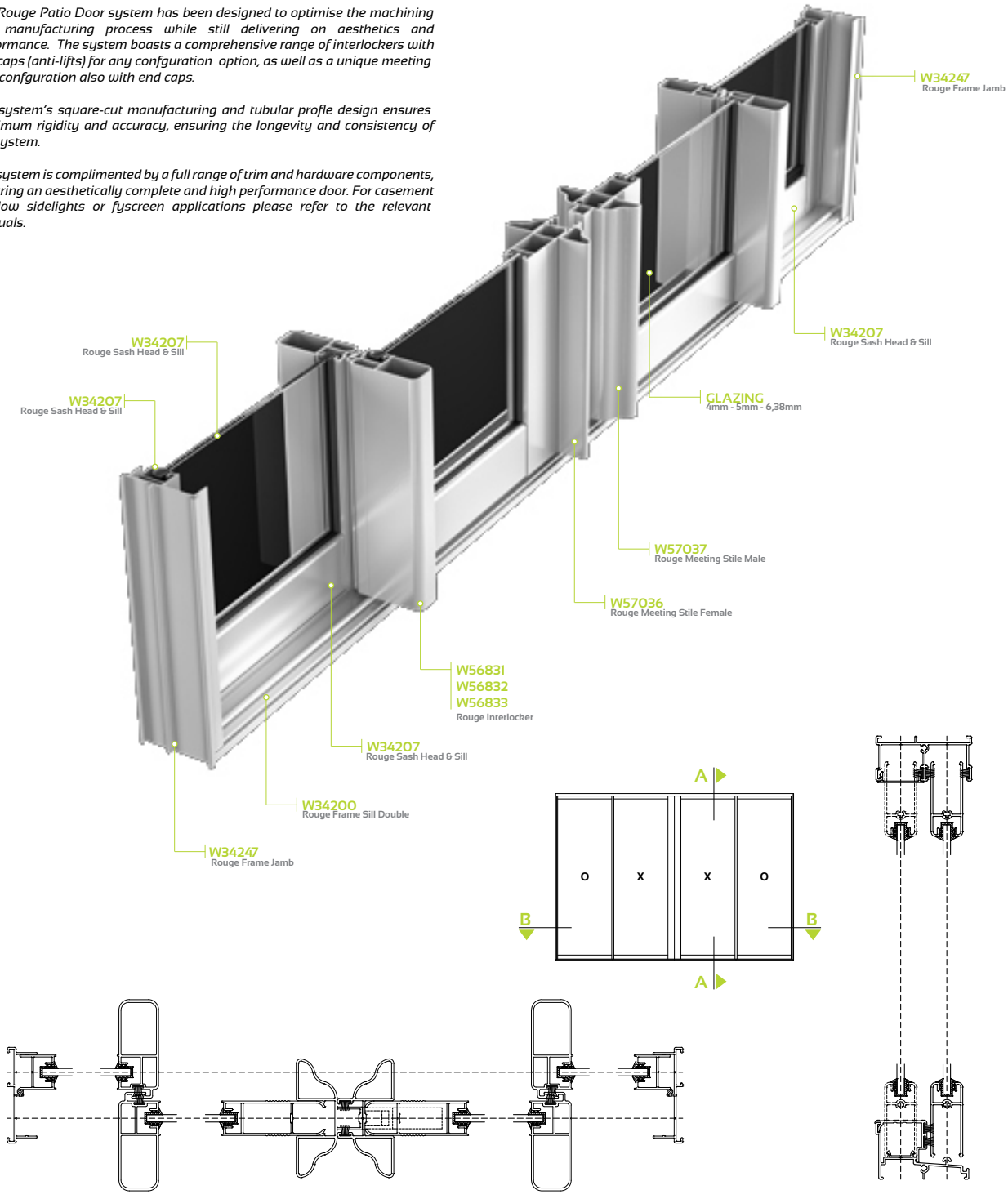
OVERVIEW

The Rouge Patio Door system has been designed to optimise the machining and manufacturing process while still delivering on aesthetics and performance. The system boasts a comprehensive range of interlockers with end caps (anti-lifts) for any confguration option, as well as a unique meeting stile confguration also with end caps.

The system's square-cut manufacturing and tubular profle design ensures maximum rigidity and accuracy, ensuring the longevity and consistency of the system.

The system is complimented by a full range of trim and hardware components, ensuring an aesthetically complete and high performance door. For casement window sidelights or fyscreen applications please refer to the relevant manuals.



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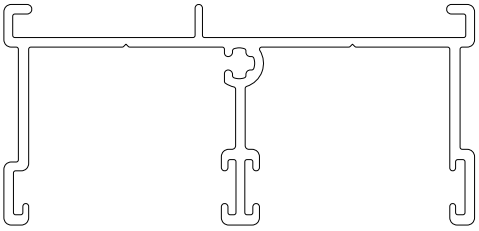
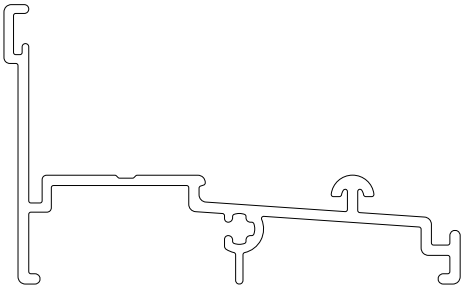
Profile Identification

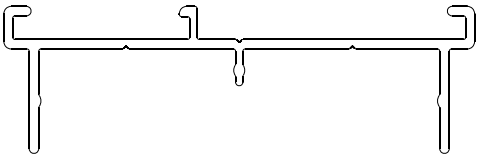
Double Track System Profiles



DIE No. W34206 | Rouge Frame Head

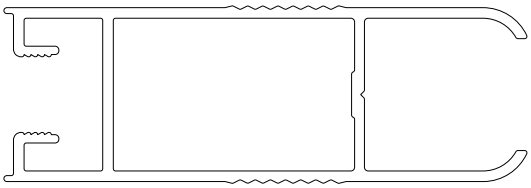


DIE No. W34200 | Rouge Frame Sill Double

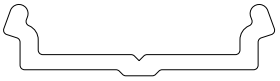


DIE No. W34247 | Rouge Frame Jamb

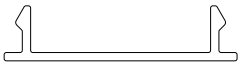
DIE No. W34248 | Rouge Jamb Cover



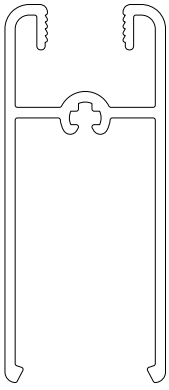
DIE No. W56834 | Rouge Stile Lock



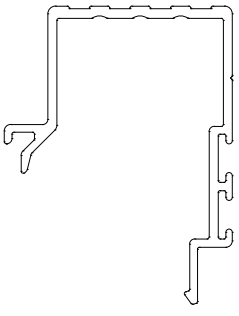
DIE No. W34201 | Rouge Sill Fixed Panel Adaptor



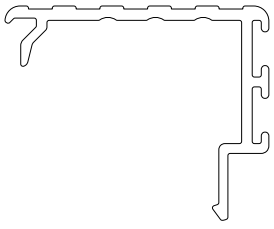
DIE No. W34204 | Rouge Head Cover



DIE No. W34107 | Rouge Sash Head & Sill



DIE No. W34636 | Rouge High Rise Threshold Cover



DIE No. W34208 | Rouge Cover Threshold

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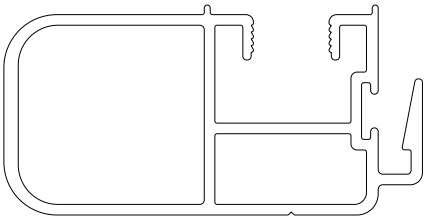
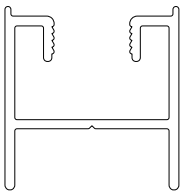
Profile Identification

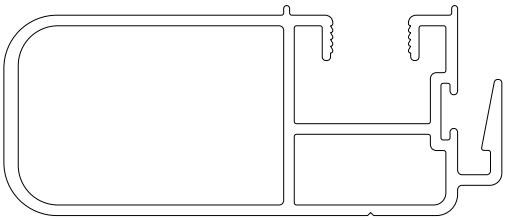
Double Track System Profiles



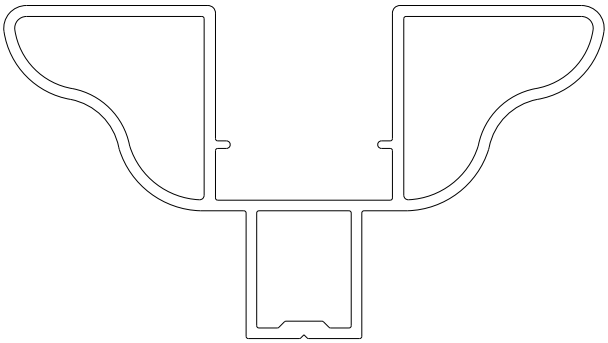
DIE No. W56831 | Rouge Interlocker 49.5mm



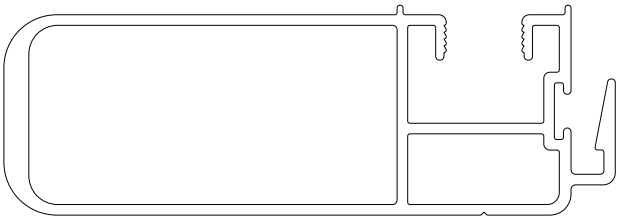
DIE No. W34205 | Rouge Stile Fixed



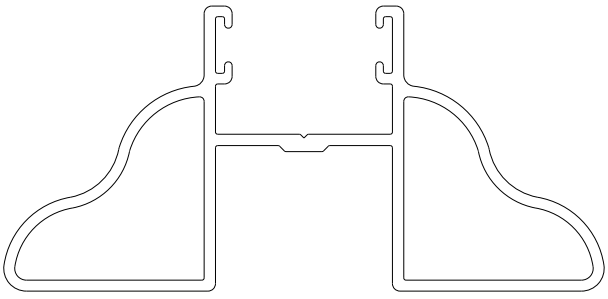
DIE No. W56832 | Rouge Interlocker 60mm



DIE No. W57037 | Rouge Meeting Stile Male



DIE No. W56833 | Rouge Interlocker 75mm



DIE No. W57036 | Rouge Meeting Stile Female

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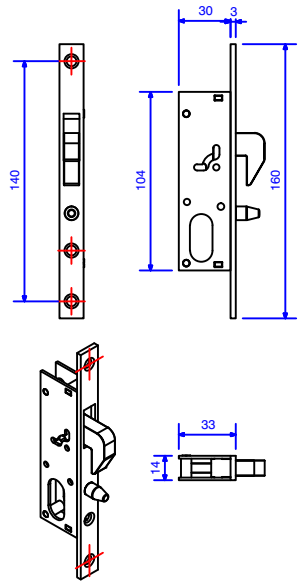
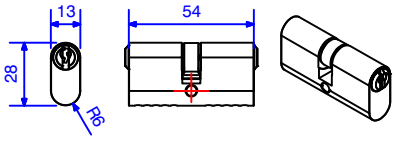
Hardware Components

RECOMMENDED ROUGE SLIDING DOOR COMPONENTS

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

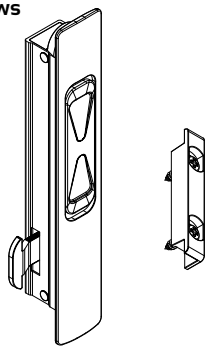
LOCK & HANDLE



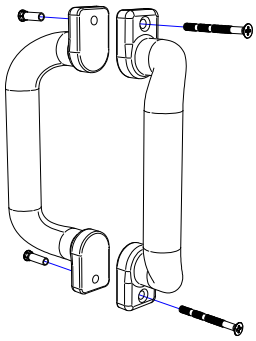


LCH-ISEO20 | Hooklock

For HS Windows

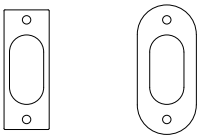


HFP-HWK-BLK | Handle with Keep (Black)



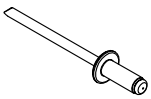
SDW-URH | Universal Regal Handle

Escutheons (Optional)

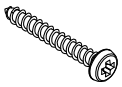


LCN-CE-BLK OR LCN-CE-NIC

FASTENERS

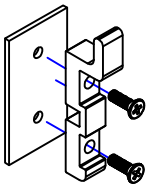


FRC-4810
4.8 x 10 Pop Rivet



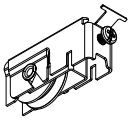
FSP-0830P-SS
Screw 8 x 30

FSN-G105-BLK
9mm Grommets

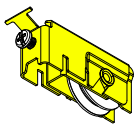


LCH-ISEO20 | Hooklock

ROLLERS

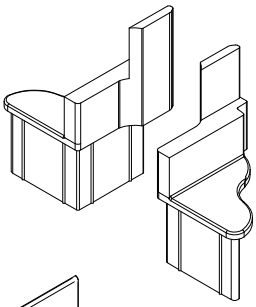


RSW-PD-YP
Patio Door Roller

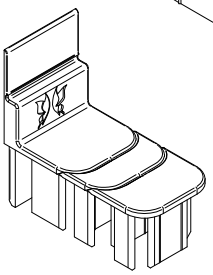


RSW-PD-SS
Patio Door Roller S/S

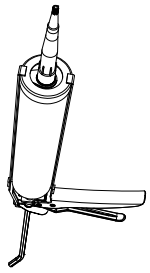
END CAPS (Optional)



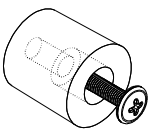
PEC-MSLAR | Meeting Stile End Caps Internal & External



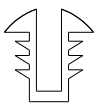
PEC-UI | Universal Interlocker End Cap



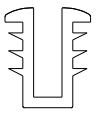
SILICONE



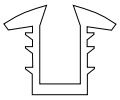
SGD-VST + FSP-0820P-SS
Stopper with Screw



GCH-H33 | Channel H33 4mm Glass



GCH-H21 | Channel H21 5mm Glass



GCH-H19 | Channel H19 6.38mm Glass

GFP-6790 | Finpile

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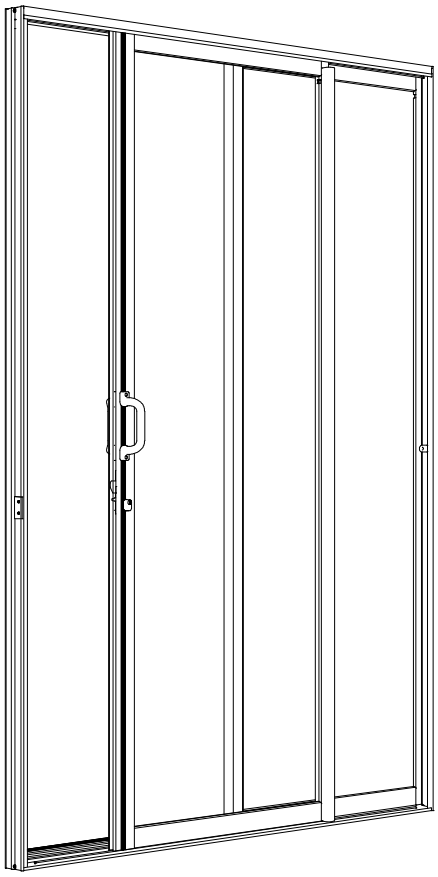
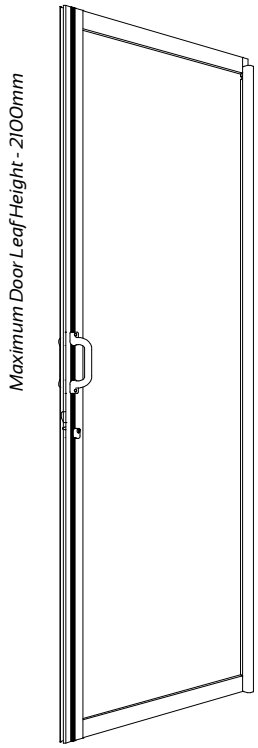
Size Limitation Guide

The size limitations of the system are strictly calculated in accordance to AAAMSA guidelines and take into account the aluminium specifications as well as the glass used. Please ensure that these are adhered to as any product produced outside of these limitations will not adhere to AAAMSA regulations.

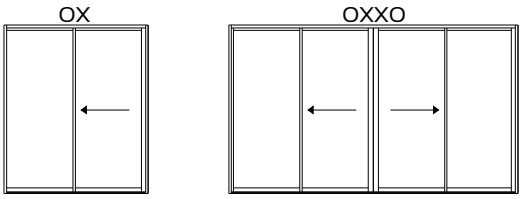


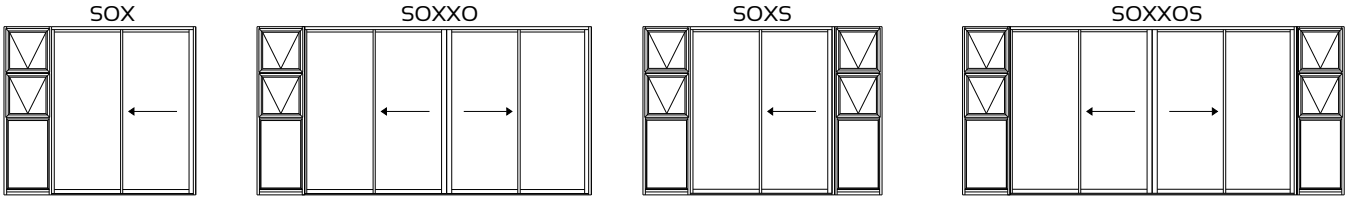


Maximum Door Leaf Width - 1500mm

Typical Configurations

Below are the most popular system configurations used within South Africa. For Insect Screen configurations see Insect Screen Manual & Typical Details on Page 38





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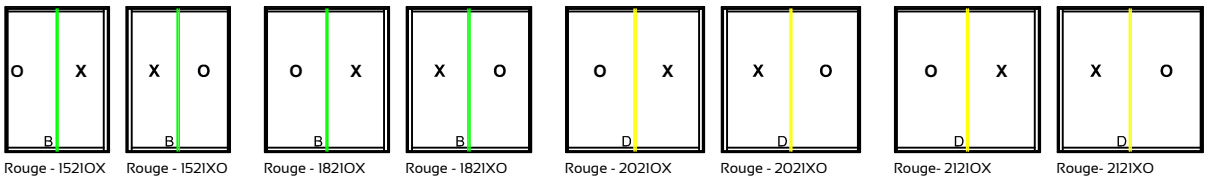
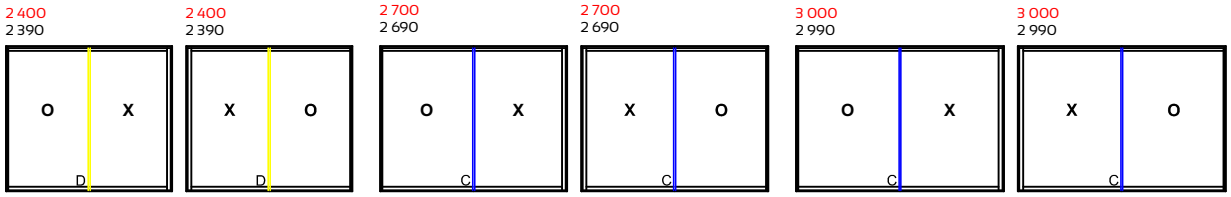
Performance Configurations

1000 PA WINDLOAD - Double Track Interlocker & Meeting Stiles Limitation Chart

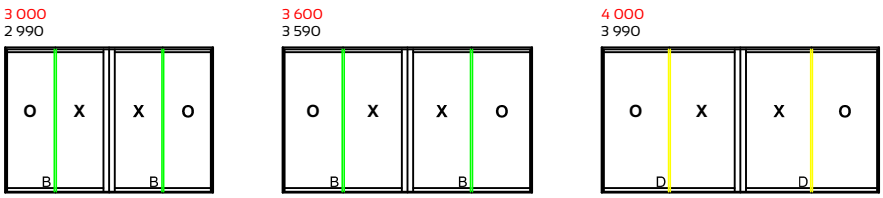
2 100 / 2 090



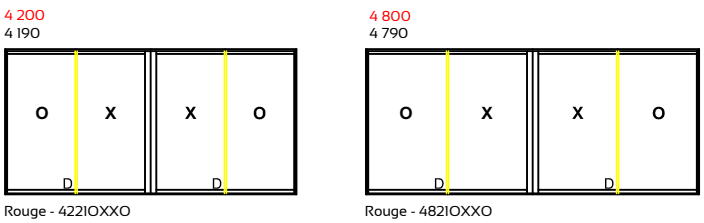
2 100 / 2 090



2 100 / 2 090



2 100 / 2 090

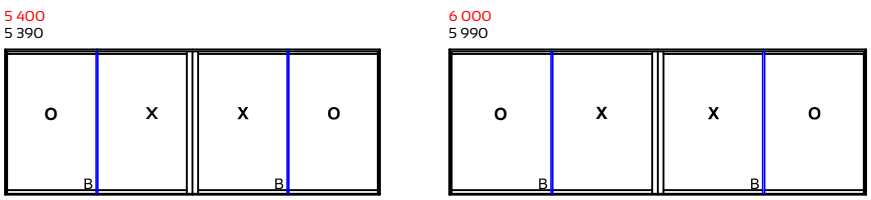


KEY

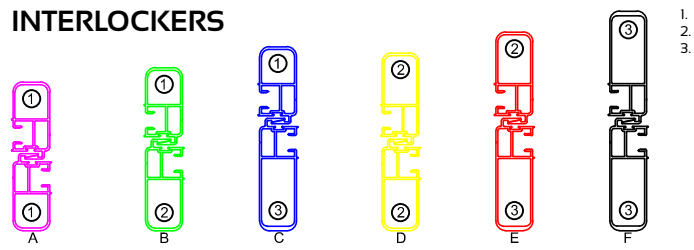
Opening Sizes *are shown in RED (Top)*
Actual Window Sizes *are shown in BLACK (Bottom)*

O - FIXED PANEL
X- SLIDING PANEL

2 100 / 2 090

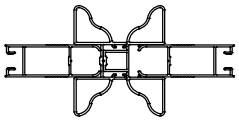


INTERLOCKERS



Ix = 19cm⁴ | Ix = 24.47cm⁴ | Ix = 40.04cm⁴ | Ix = 29.94cm⁴ | Ix = 45.51cm⁴ | Ix = 61.08cm⁴

1. Interlocker Standard - 49.5mm
2. Interlocker 60mm
3. Interlocker 75mm



Ix = 38.10cm⁴

MEETING STILES

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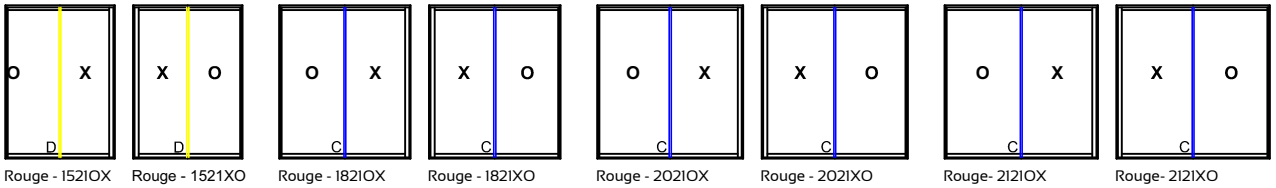
WISPECO Aluminium

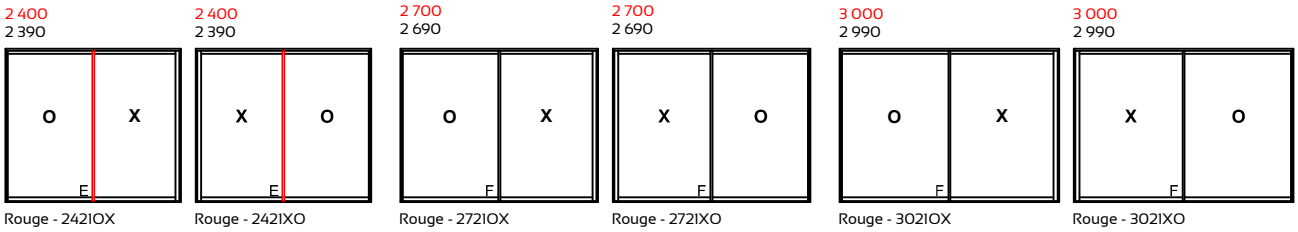
Performance Configurations

1500 PA WINDLOAD - Double Track
Interlocker & Meeting Stiles Limitation Chart

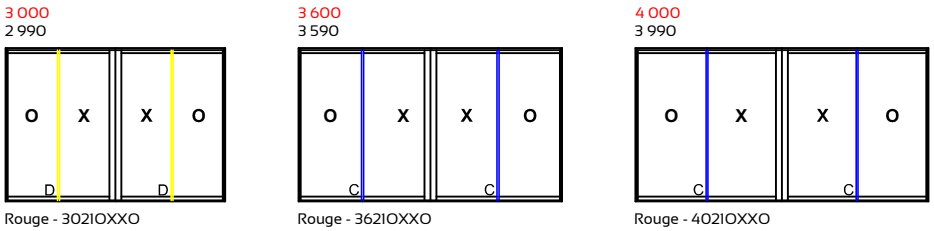
2 100 / 2 090



2 100 / 2 090



2 100 / 2 090



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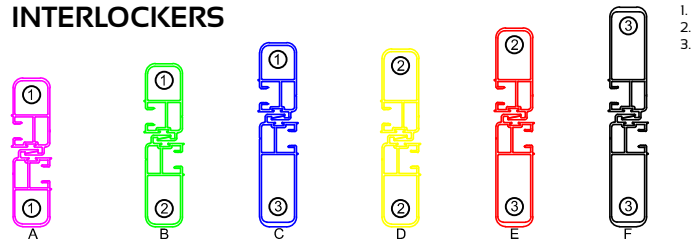
INTERLOCKERS



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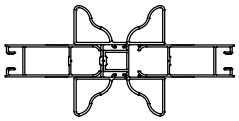

Ix = 38.10cm⁴

MEETING STILES

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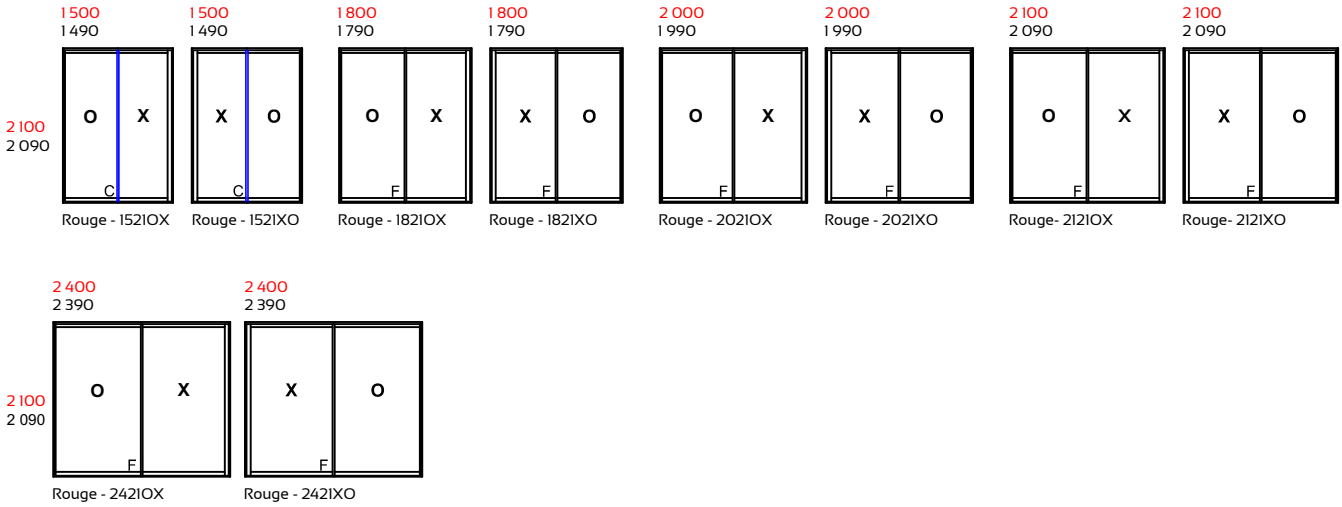
WISPECO Aluminium

Performance Configurations

2000 PA WINDLOAD - Double Track
Interlocker & Meeting Stiles Limitation Chart

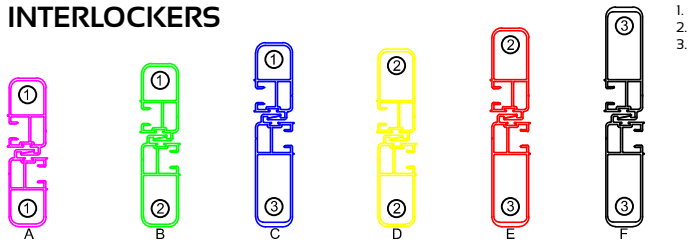


KEY

Opening Sizes *are shown in RED (Top)*
Actual Window Sizes *are shown in BLACK (Bottom)*

O - FIXED PANEL
X- SLIDING PANEL

INTERLOCKERS



Ix = 19cm⁴ Ix = 24.47cm⁴ Ix = 40.04cm⁴ Ix = 29.94cm⁴ Ix = 45.51cm⁴ Ix = 61.08cm⁴

1. Interlocker Standard - 49.5mm
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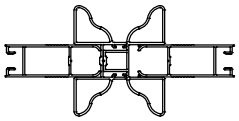
3. Interlocker 75mm



Ix = 38.10cm⁴

MEETING STILES

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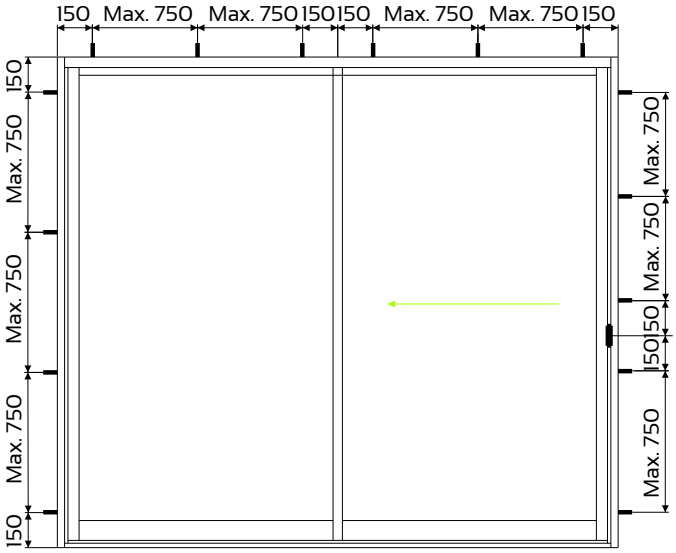
Fixing Details

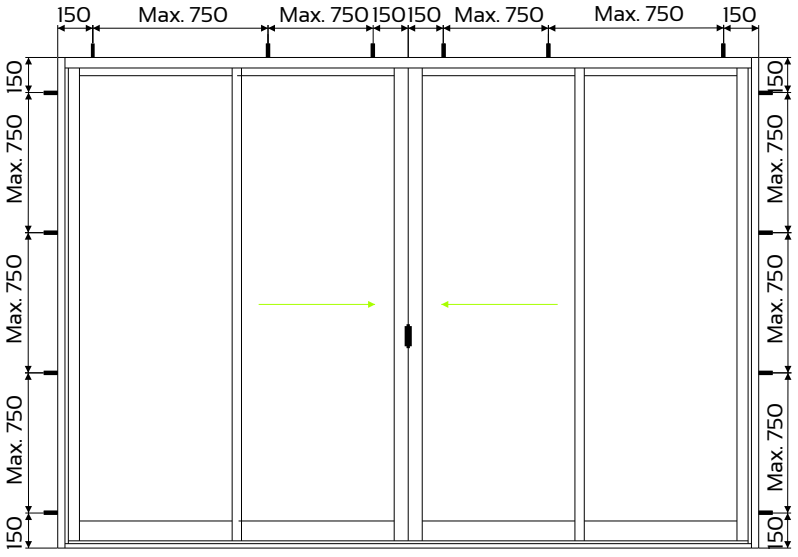
IMPORTANT: As there are many different methods of fixing the door to the structure, the illustration below is a general fixation detail. The illustration defines the general method and hole fixings. Before installation or machining of the holes, please ensure that you have checked the required fixing method with the appropriated building engineer and that your chosen methods meets their specifications

Failure to fix the door to correct building or engineer specifications will result in the door not meeting the required specifications.

DISCLAIMER: Please note that fixation of the frame to the structure is an element which MUST be specified and certified by an appropriate engineer and is not the responsibility of Wispeco.



TYPICAL OX SLIDING DOOR



TYPICAL OXXO SLIDING DOOR

NOTE: Sill (bottom track) to be fixed to floor with a non-shrinking grout.

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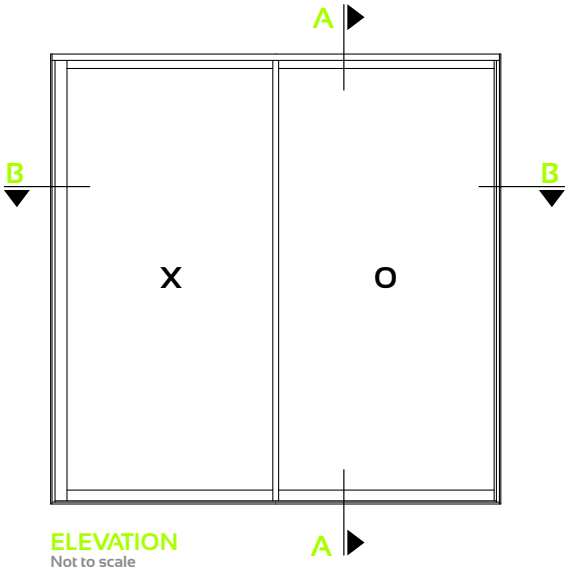
WISPECO Aluminium

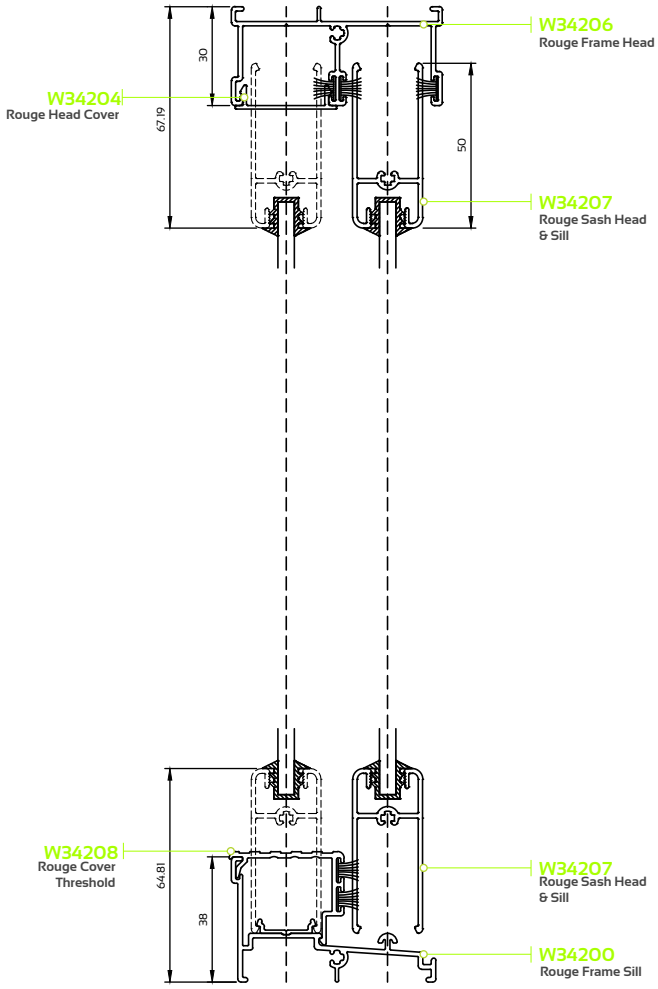
Typical Cross-Sectional Detail

OX Configuration - Standard Interlocker

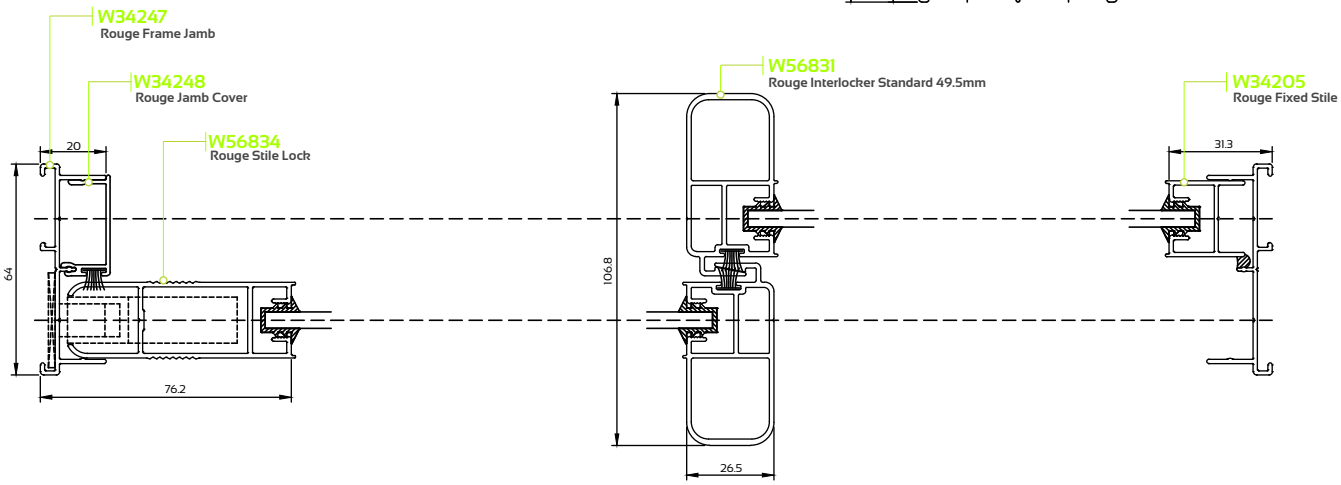


ELEVATION
Not to scale

SECTION A-A
Section not to scale



SECTION B-B
Section not to scale



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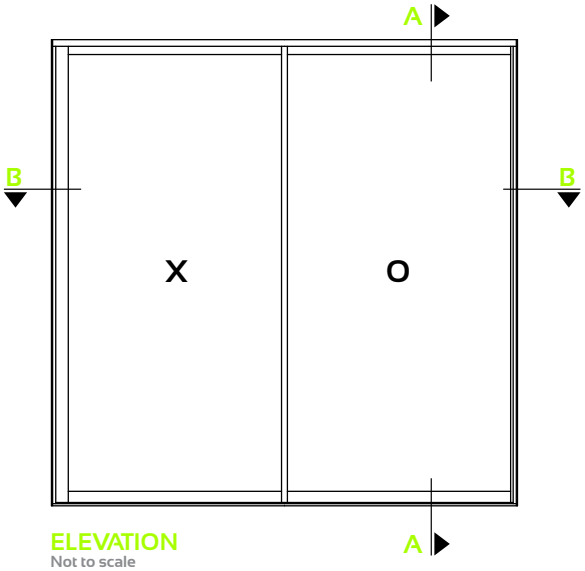
WISPECO Aluminium

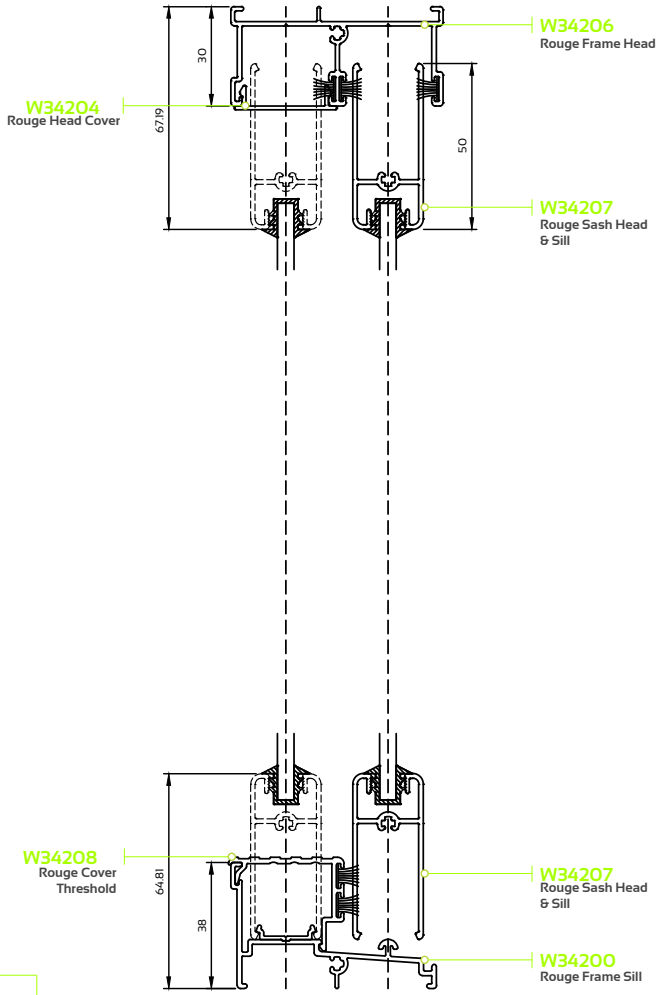
Typical Cross-Sectional Detail

OX Configuration 60mm Interlocker



ELEVATION
Not to scale

SECTION A-A
Section not to scale



SECTION B-B
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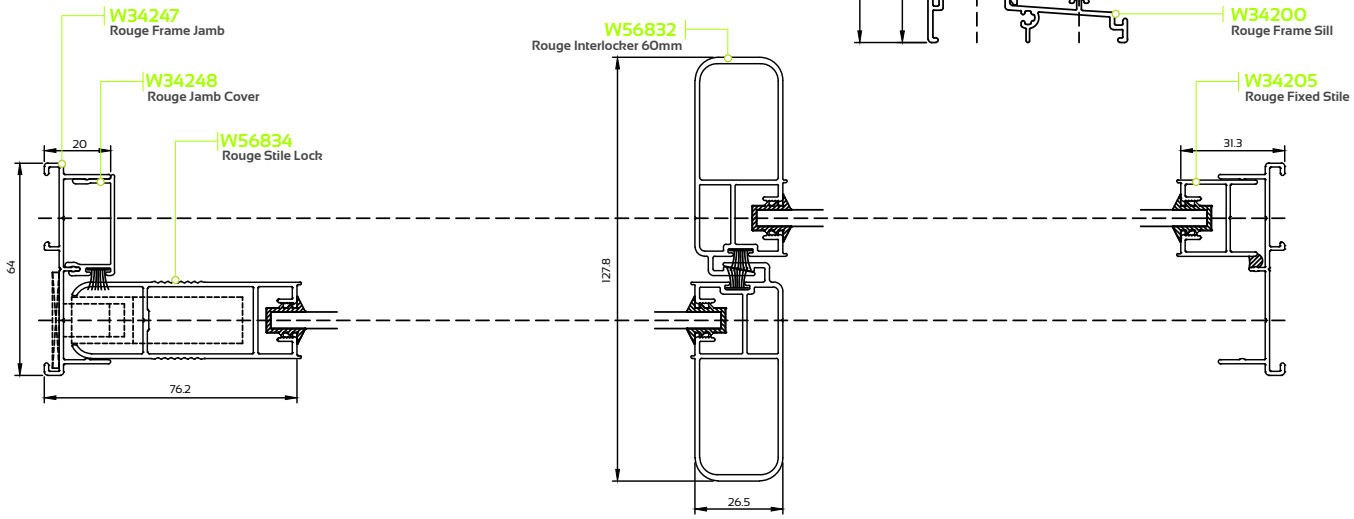

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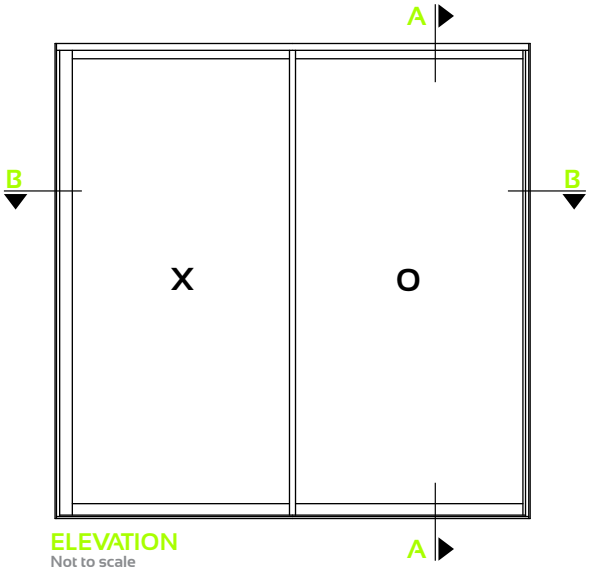
WISPECO Aluminium

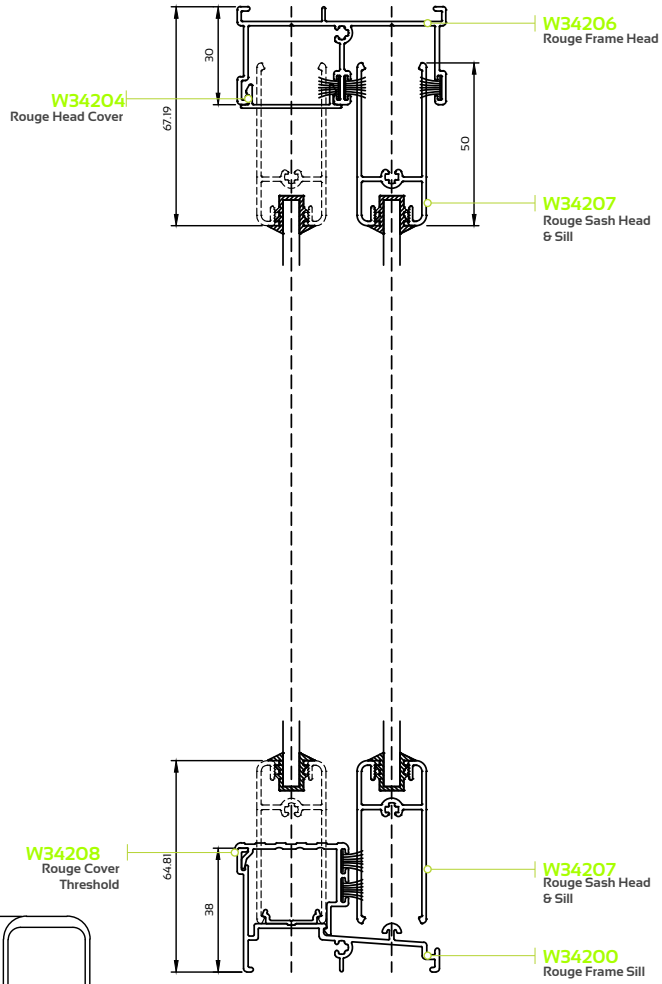
Typical Cross-Sectional Detail

OX Configuration 75mm Interlocker

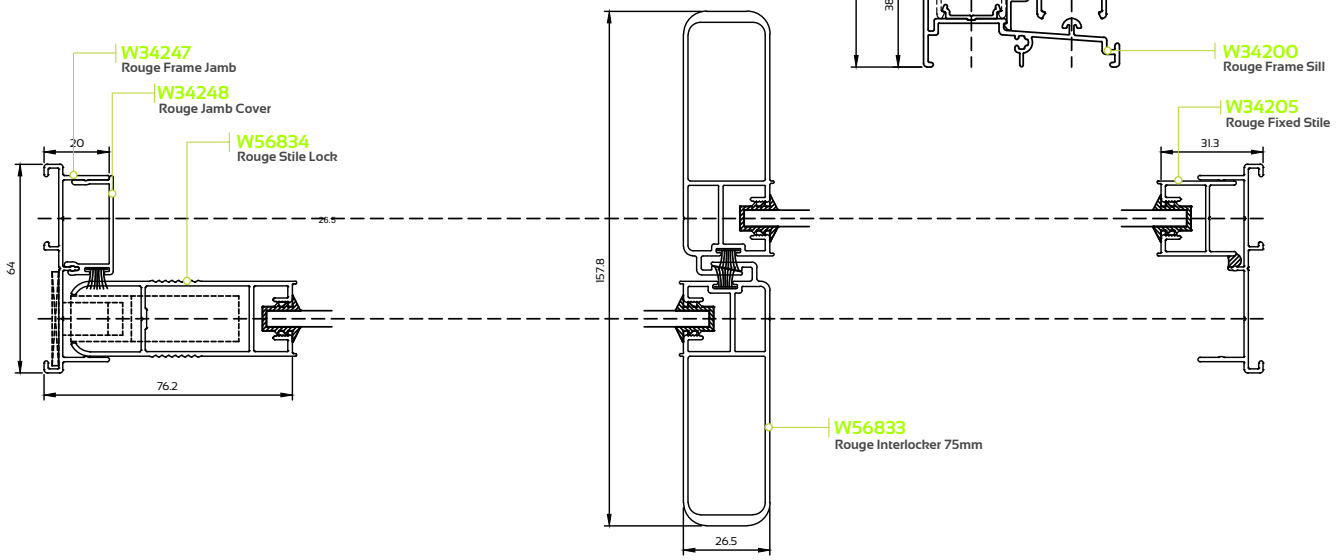


ELEVATION
Not to scale

SECTION A-A
Section not to scale



SECTION B-B
Section not to scale



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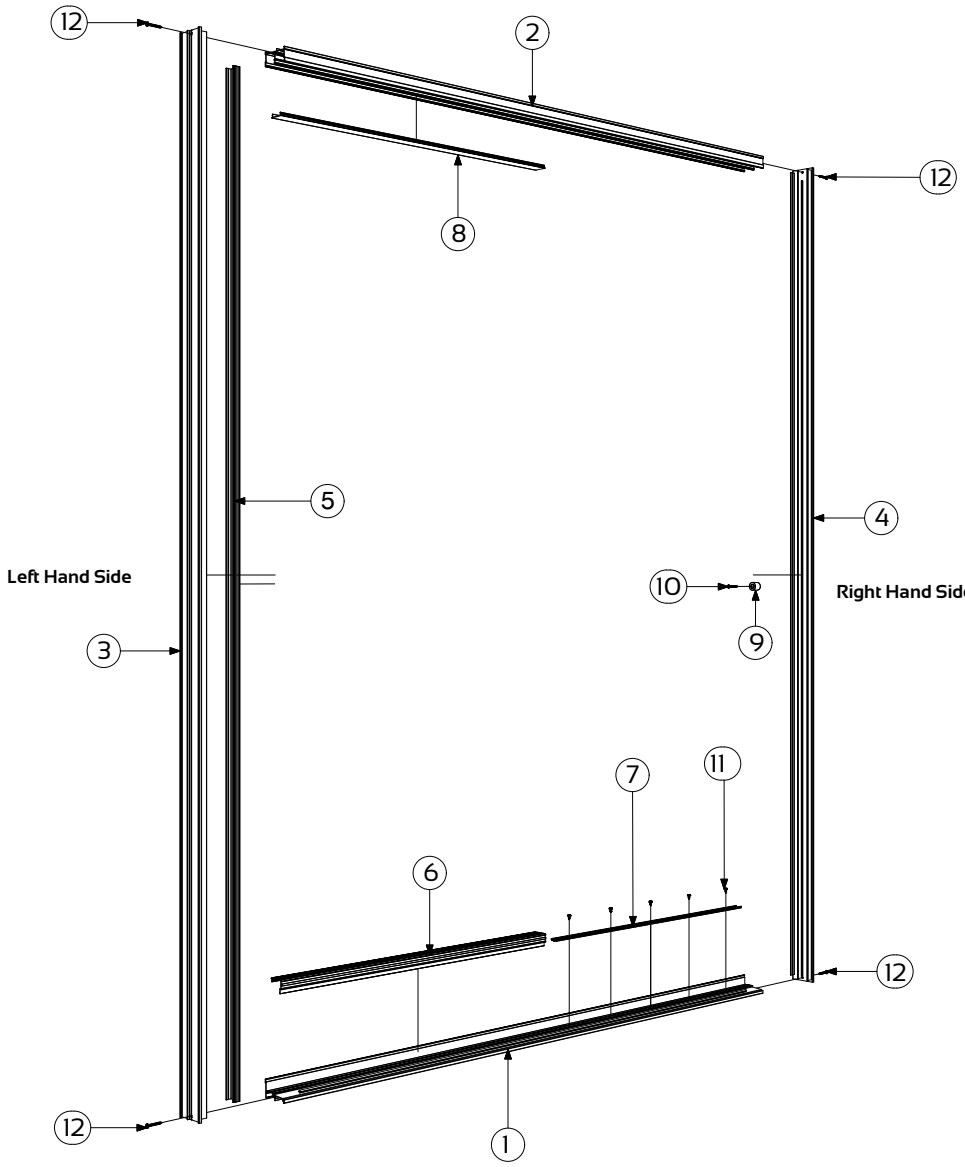
Component Assembly Detail

Outer Frame Construction



System Profiles

ITEM	QTY	DIE No.	DESCRIPTION	MACHINING
1	1	W34200	Rouge Frame Sill Double	Yes
2	1	W34206	Rouge Frame Head	No
3	1	W34247	Rouge Frame Jamb LHS	Yes
4	1	W34247	Rouge Frame Jamb RHS	Yes
5	1	W34248	Rouge Jamb Cover	No
6	1	W34208	Rouge Threshold Cover	No
7	1	W34201	Rouge Sill Adaptor	No
8	1	W34204	Rouge Cover Head	No

Hardware

ITEM	QTY	COMPONENT	DESCRIPTION
9	1	Stopper	Rubber Stopper
10	1	Screw no 8x30	Rubber Stopper Screw
11	5	Screw no 8x9.5	(Can be replaced with pop rivets)
12	4	Screw no 8x30	Frame Screws

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WISPECO Aluminium

Machining Detail

Outer Frame

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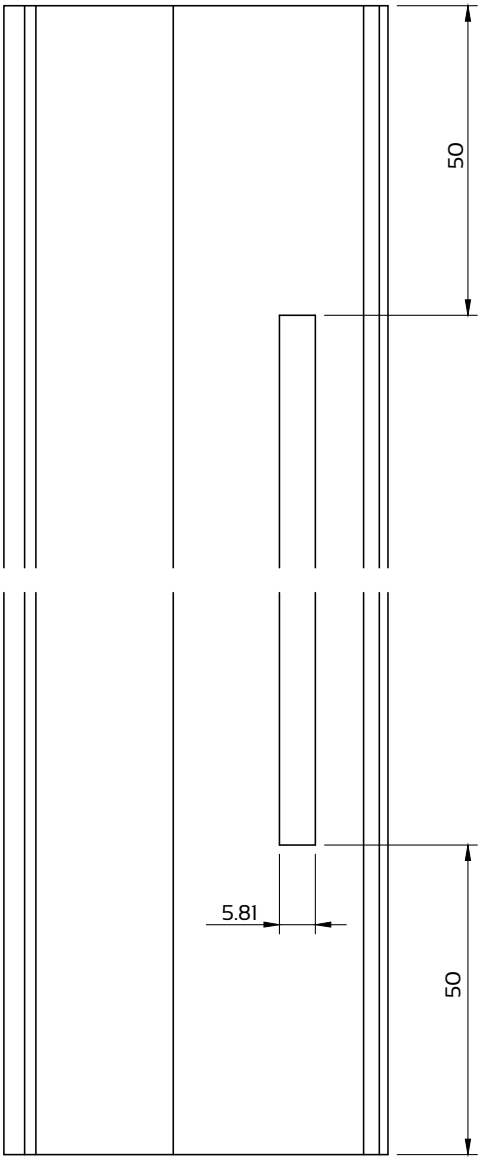
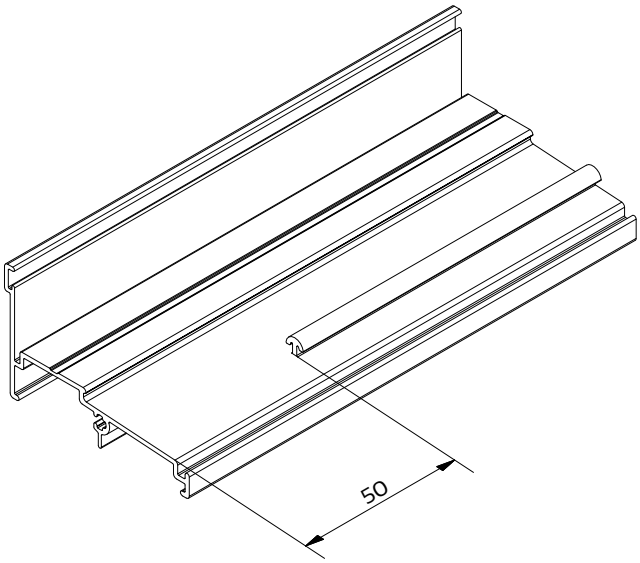
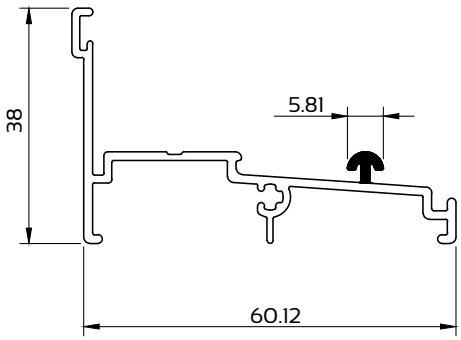




Sill Track Machining

Note: The only machining required for this profile is the track as shown.

Machining of the track allows for correct weathering of the system, allowing water to effectively drain from the track area. Any other modification to the sill may affect the correct operation and performance of the track.



DIE No. W34200 | Rouge Frame Sill Double

Section not to scale

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Machining Detail

OX Lock Stile

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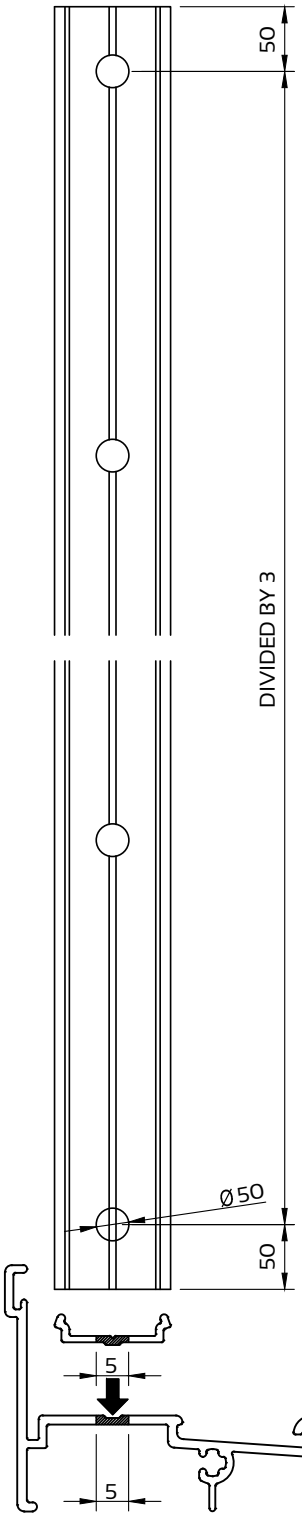
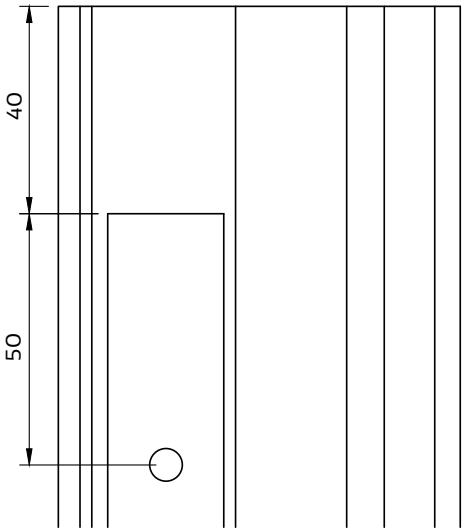
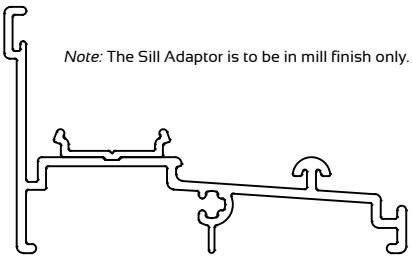


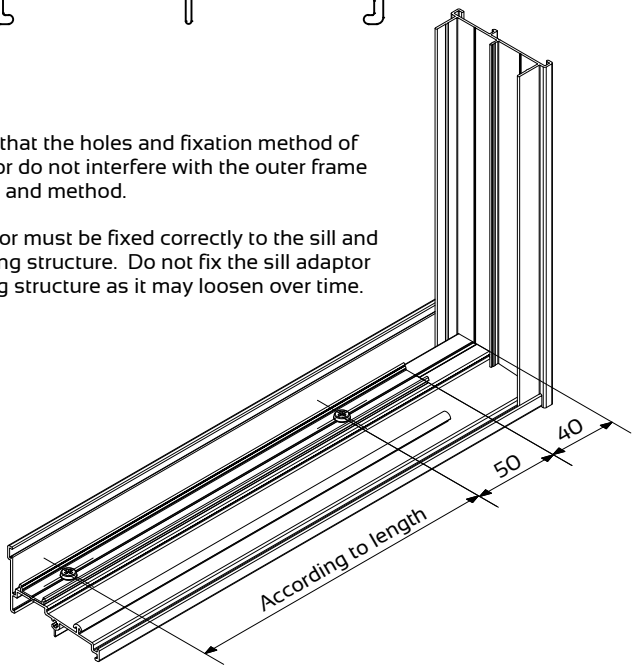


Note: The Sill Adaptor is to be in mill finish only.



Note: Ensure that the holes and fixation method of the sill adaptor do not interfere with the outer frame fixation holes and method.

The sill adaptor must be fixed correctly to the sill and not the building structure. Do not fix the sill adaptor to the building structure as it may loosen over time.



DIE No. W34201 **Rouge Sill Fixed Panel Adaptor**

Section not to scale

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Machining Detail

Outer Frame

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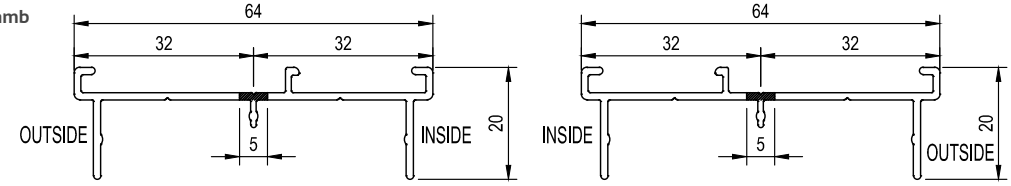
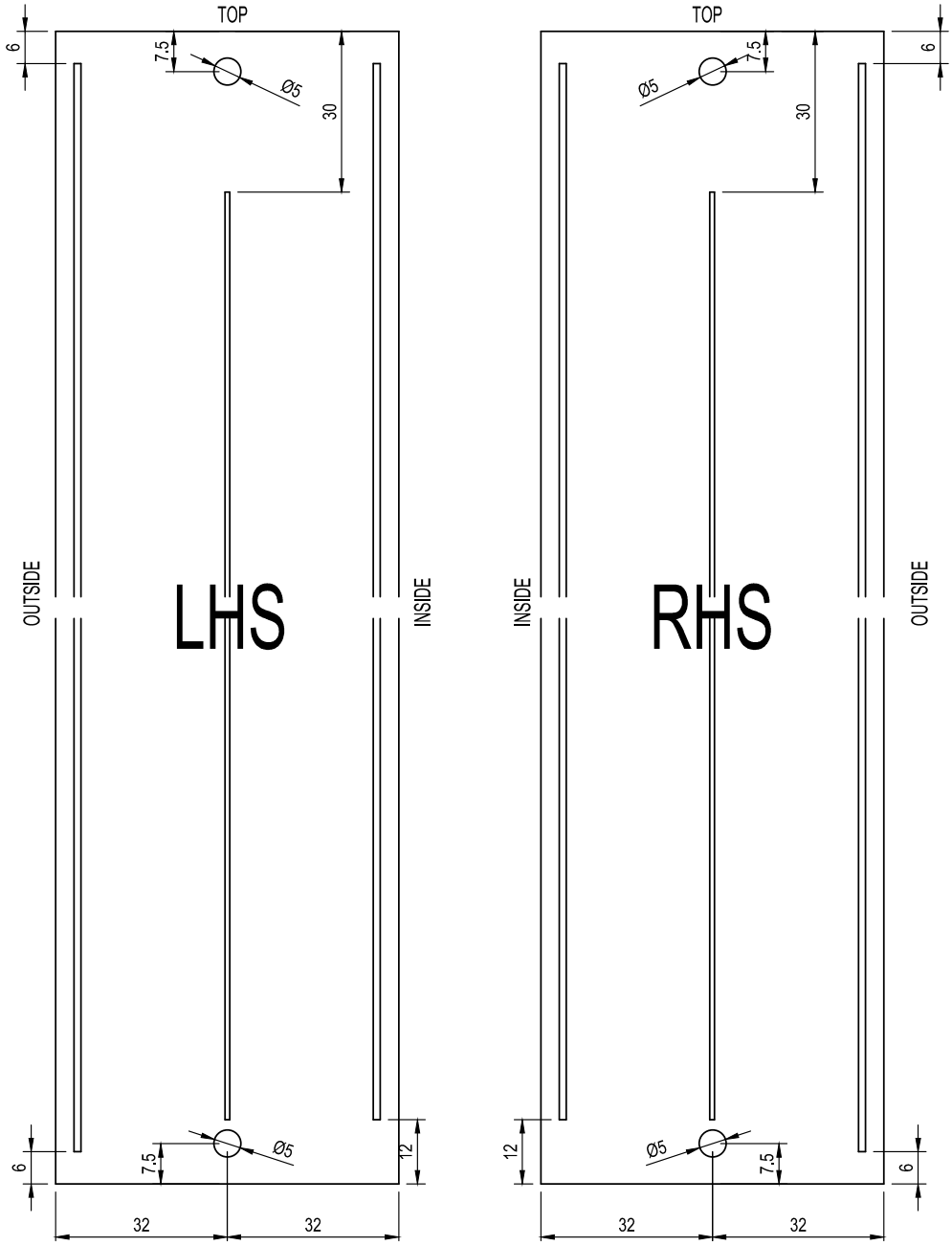
DIE No. W34247 Rouge Frame Jamb

Section not to scale



Jamb Machining:
There are two machining requirements on the jamb:

1. General Jamb to Head and Sill location and fxing
2. Lock Keep machining.



Note: **Pay close attention to LHS and RHS Machining.** Ensure that the correct machining is done on the correct side. Inverted machining will still correctly fx to the head and Sill but will afect the integrity of the door.

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WISPECO Aluminium

Machining Detail

Outer Frame

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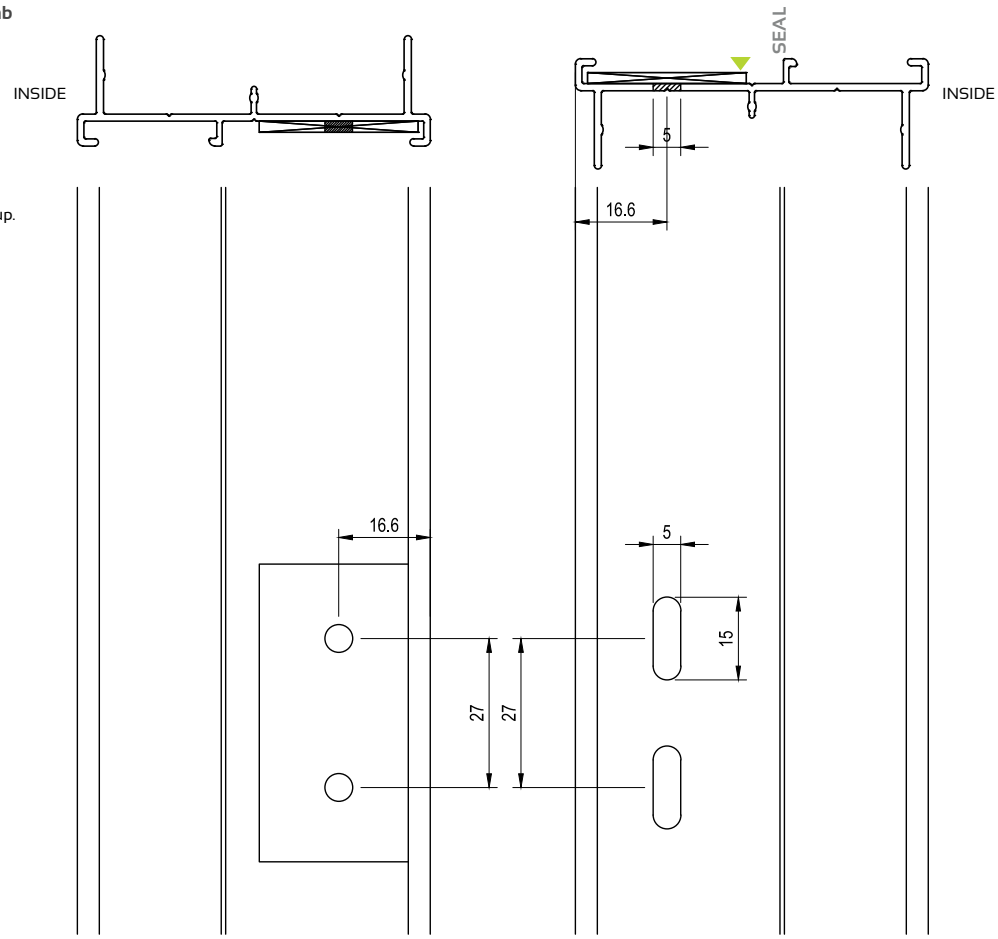
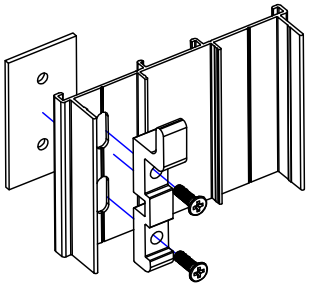
DIE No. W34247 | **Rouge Frame Jamb**

Section not to scale

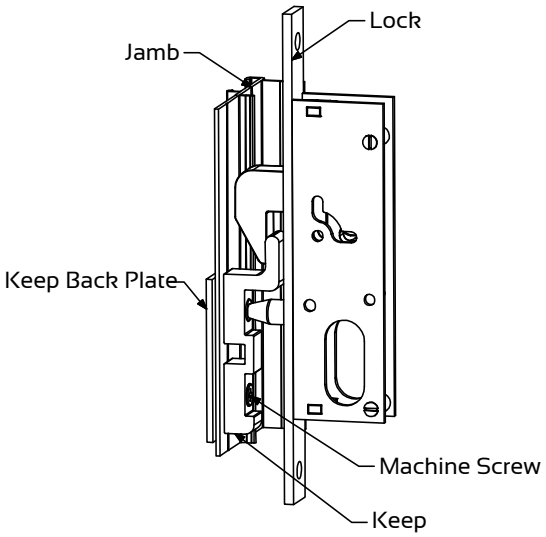


Jamb Lock Keep Machining
Ensure that the lock keep machining matches the calculations used on the Lock Machining and that both the lock and the lock keep line up.



Jamb Lock Keep Adjustment
The slotted holes ensure simple adjustment of the lock keep prior and post installation of the door to ensure that the lock keep remains adjustable. This will assist in alignment of the lock when rollers and the door height requires adjustment.

Wet Trades:
When the door is fixed to the building, ensure that plaster or other building materials do not affect the lock keep adjustments.



Anti-Lift Lock:
The locking assembly also acts as the anti-lift for the sliding panel. Please ensure that the mechanism is aligned properly to ensure proper engagement.

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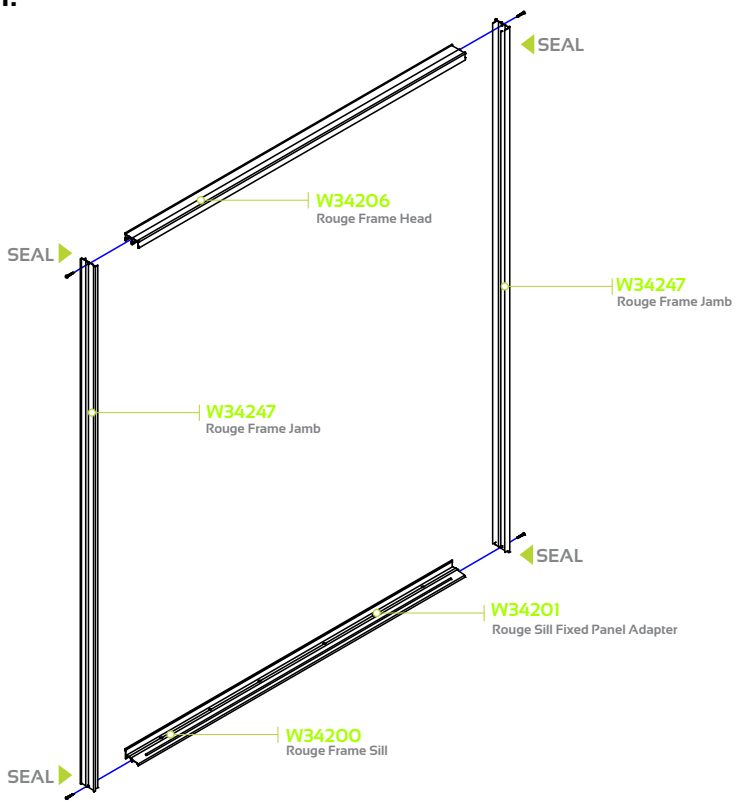
WISPECO Aluminium

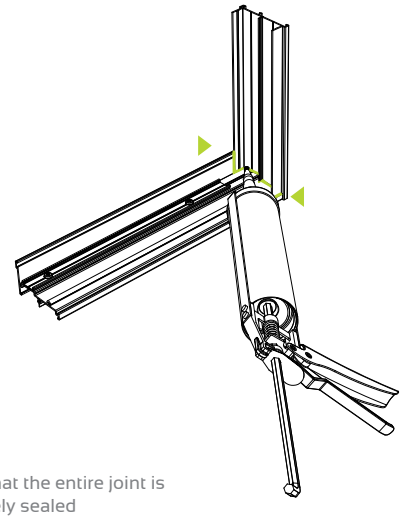
Assembly Detail

Outer Frame

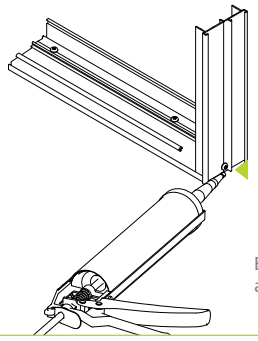
Please note: These details pertain to the machining of profiles. Lengths or profiles and cutting lists need to be confirmed using the StarFront program, to ensure compliance to the SANS building regulations.

1.





Ensure that the entire joint is adequately sealed



Ensure that all screws are adequately sealed.

Important
To ensure that the system meets water ingress criteria, seal all mechanical joints with approved silicone. (see Cleaning & Maintenance Manual)

1. Outer Frame Assembly
Affix the jambs to the head and sill rails using the 8x30 screws. Ensure that the finpile is inserted prior to installation.

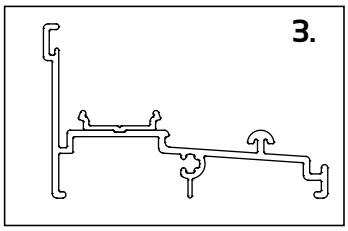
3. Install Outer Frame
Install the outer frame into the structure or void using preferred method. (see Fixing Details for correct fixation dimensions)

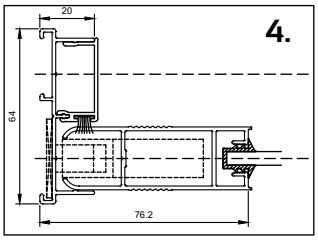
2. Fixed Panel Sill Adaptor
Install the fixed panel sill adaptor before the outer frame has been affixed to the structure/void.

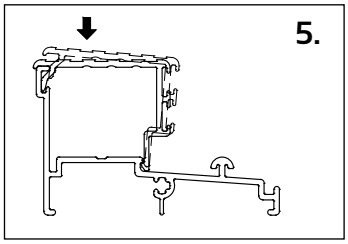
4. Jamb Cover
Important: Insert the jamb cover into the lock jamb before inserting the head and threshold covers. Ensure that the finpile is inserted prior to installation.

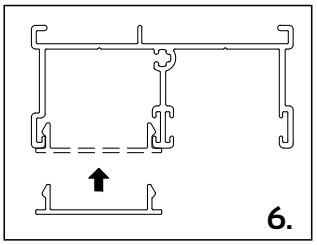
5. Sill Threshold
It is advisable to clip the sill threshold into place AFTER the installation of the fixed panel. Ensure that the finpile is inserted prior to installation. The finpile must be 15mm longer to extend over the interlockers.

6. Head Cover
It is advisable to clip the head cover into place AFTER the installation of the fixed panel.









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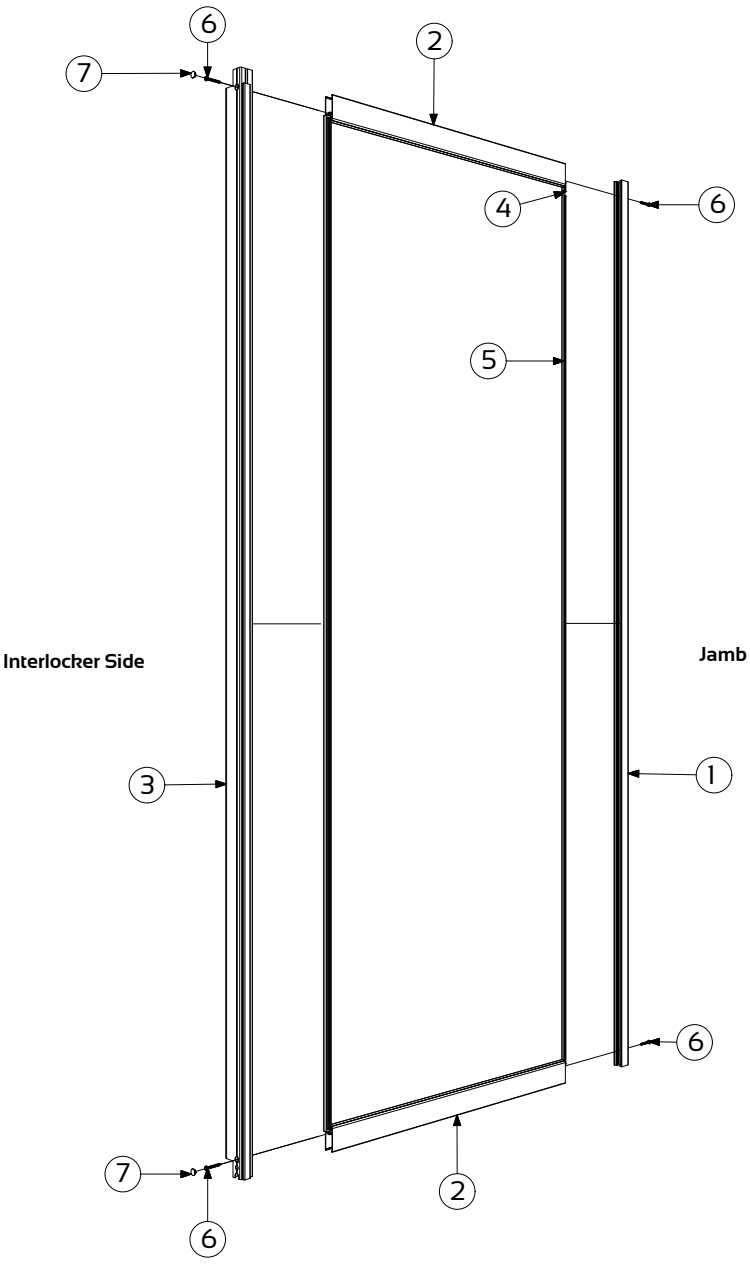
WISPECO Aluminium

Component Assembly Detail

Fixed Panel Construction



System Profiles

ITEM	QTY	DIE No.	DESCRIPTION	MACHINING
1	1	W34205	Rouge Stile Fixed	Yes
2	1	W34207	Rouge Sash Head & Sill	No
3	1	W56831 W56832 W56833	Rouge Interlocker	Yes
4	1	4mm, 5mm, 6.38mm	Glazing	

Hardware

ITEM	QTY	DESCRIPTION
5	1	Glazing Channel Gasket
6	4	Frame Screws
7	2	9mm Grommet

Note:
Once installed the fixed stile is sealed to the outer frame using approved silicone.
(See Cleaning & Maintenance Manual)

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WISPECO Aluminium

Machining Detail

Fixed Panel

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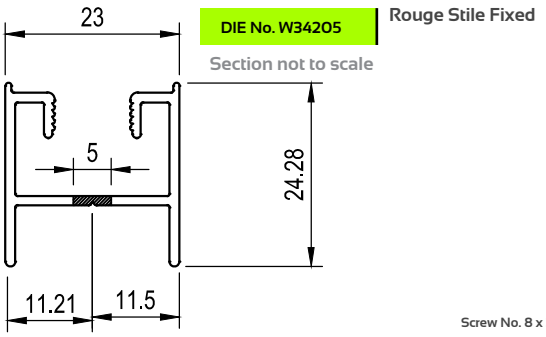
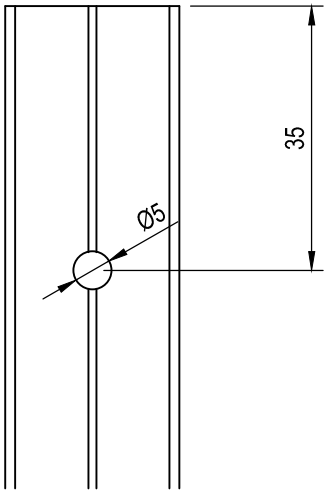
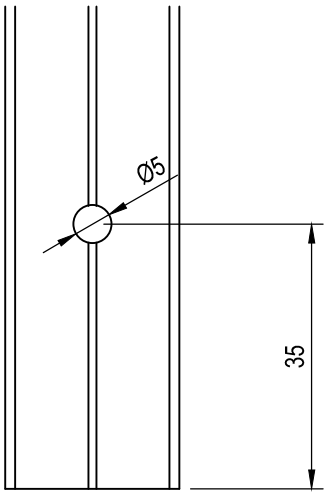
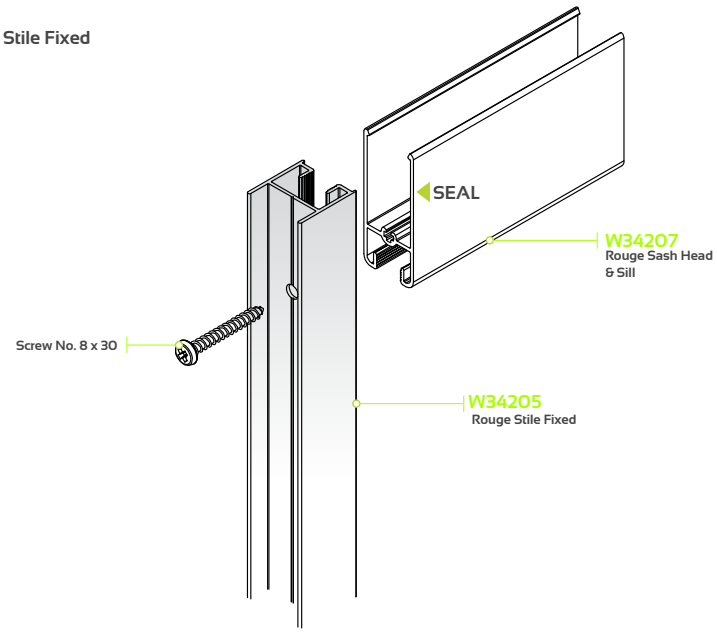


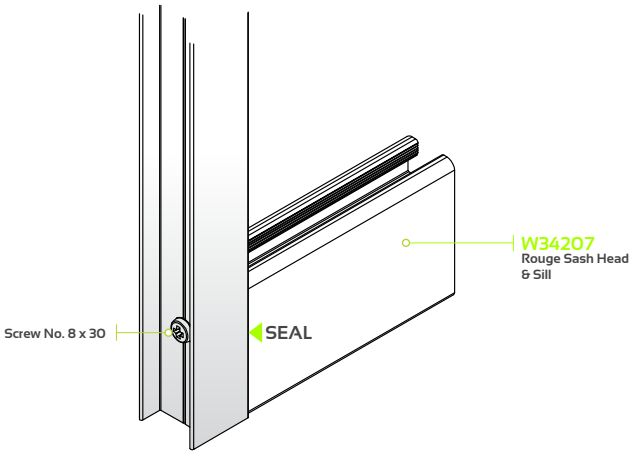
DIE No. W34205 | Rouge Stile Fixed

Section not to scale









Note:
Hole accuracy is a critical value to ensure the door is square. To ensure no movement of the fixed panel, it should be pop riveted at the top to the inside of the panel.

Important
To ensure that the system meets water ingress criteria, seal all mechanical joints with approved silicone. (See Cleaning & Maintenance Manual).

Profile Height:
Profile Height to be determined using the StarFront program to ensure compliance to SANS building specifications. Incorrect height of the profile will result in the door failing to be certified.

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WISPECO Aluminium

Machining Detail

Fixed Panel

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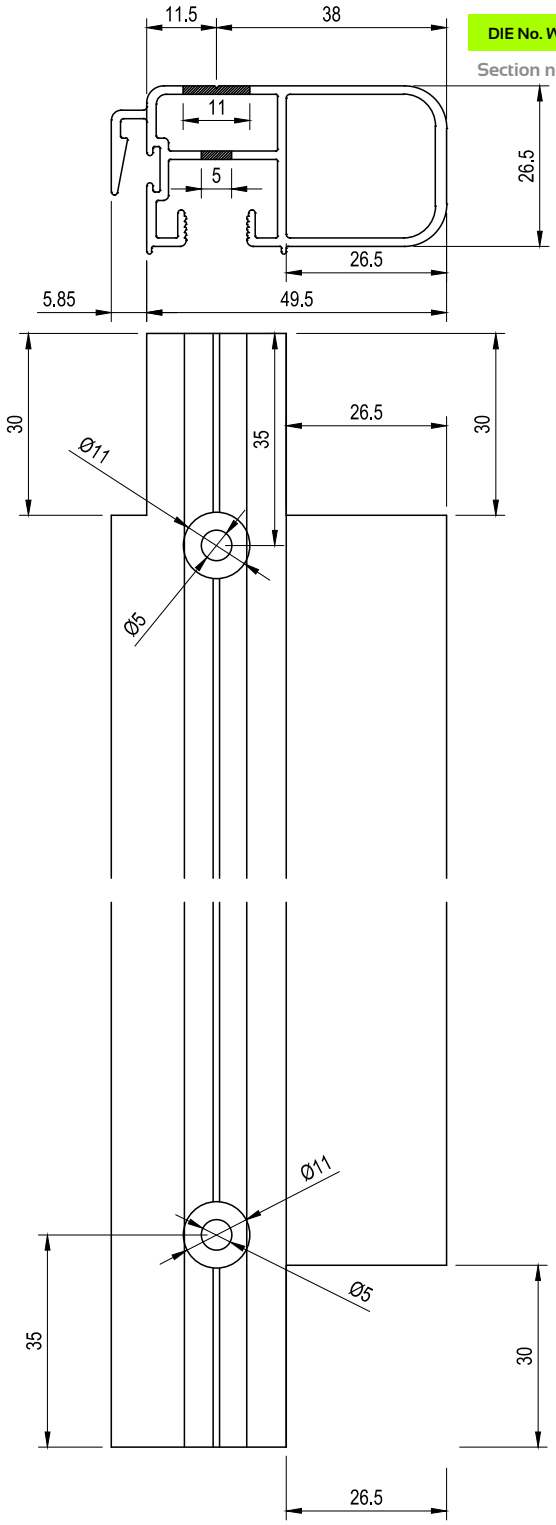
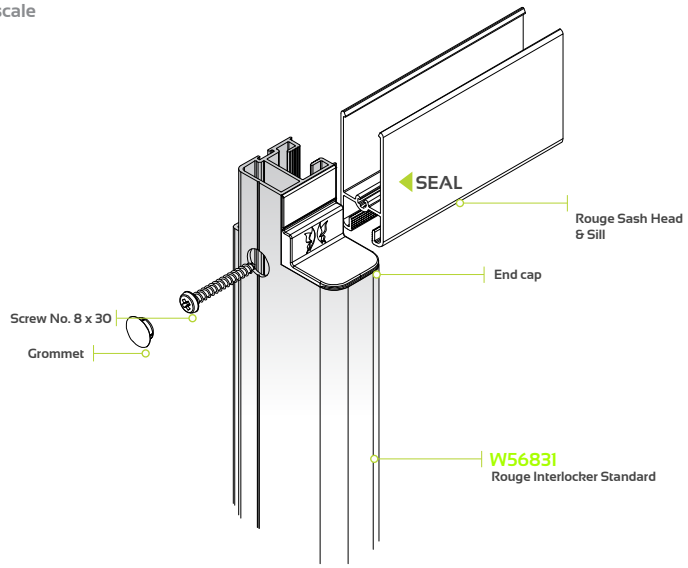
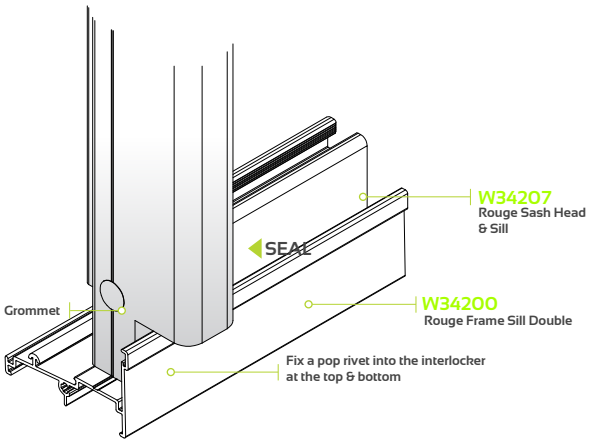


DIE No. W56831 | Rouge Interlocker Standard

Section not to scale





Profile Height:
Profile height to be determined using the StarFront program to ensure compliance to SANS building specifications. Incorrect height of the profile will result in the door failing to be certified.

Important
To ensure that the system meets water ingress criteria, seal all mechanical joints with approved silicone. (See Cleaning & Maintenance Manual).

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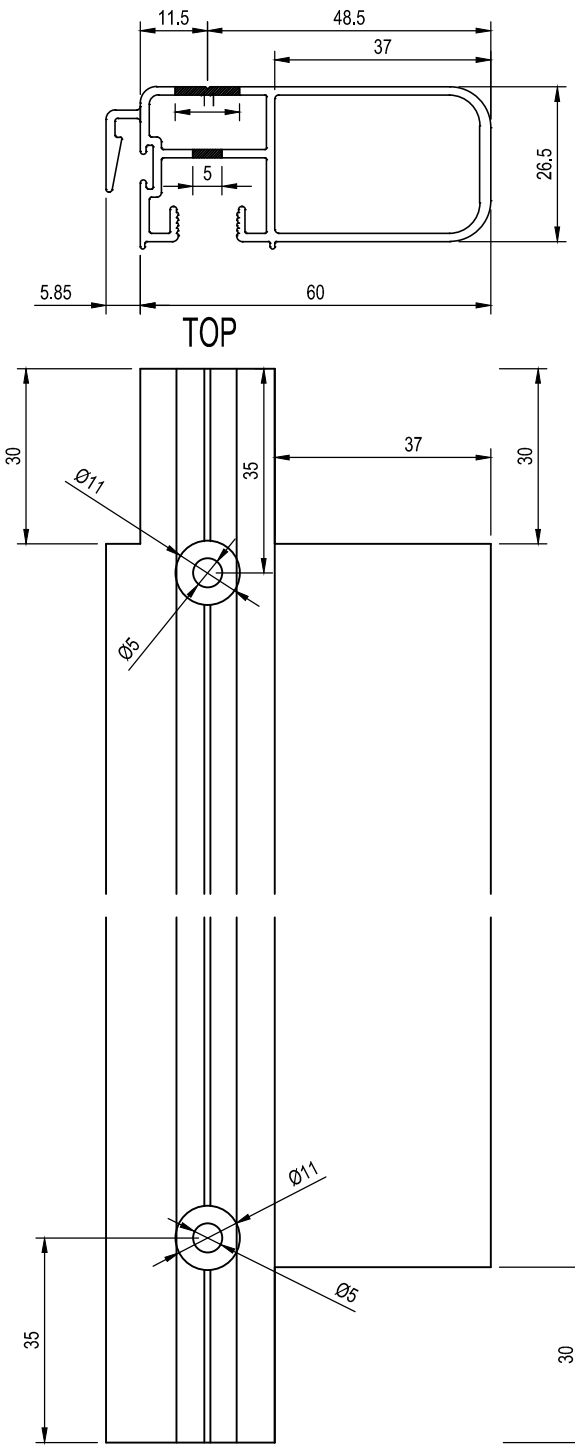
Machining Detail

Fixed Panel

Please note: These details pertain to the machining of profiles. Lengths or profiles and cutting lists need to be confirmed using the StarFront program, to ensure compliance to the SANS building regulations.

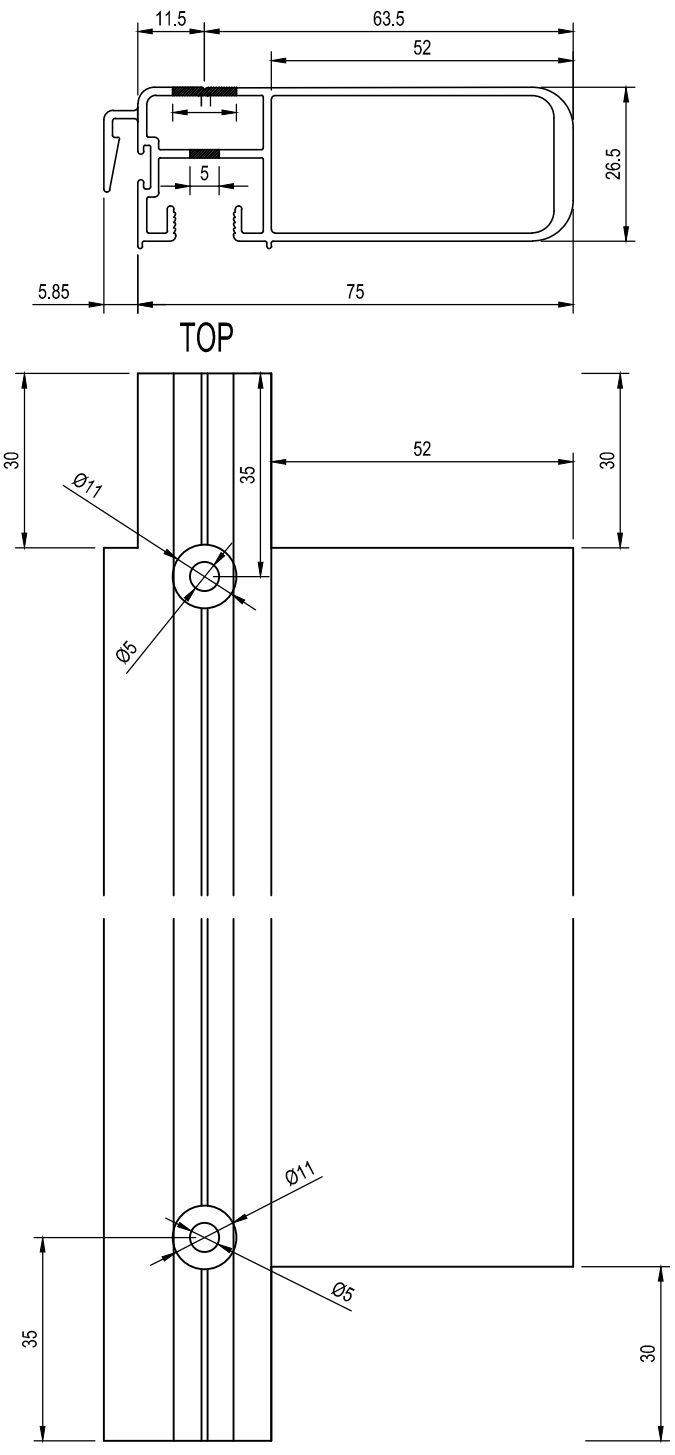
DIE No. W56832 Rouge Interlocker 60mm

Section not to scale



DIE No. W56833 Rouge Interlocker 75mm

Section not to scale



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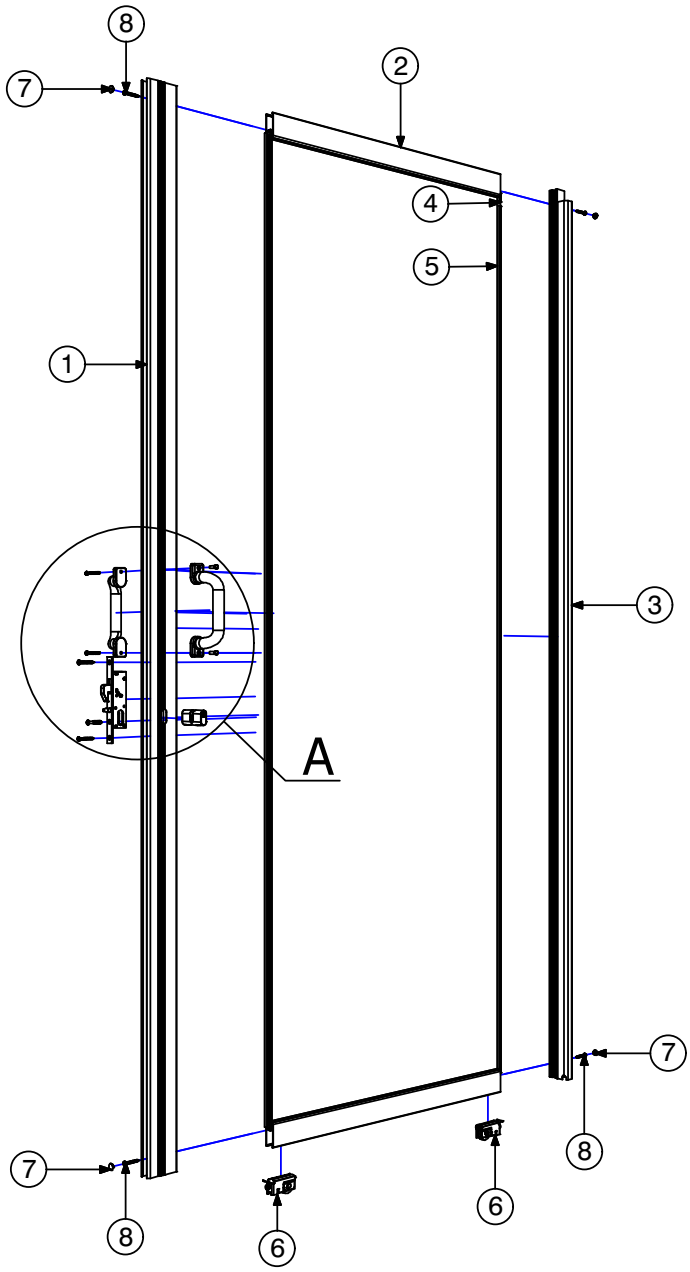
WISPECO Aluminium

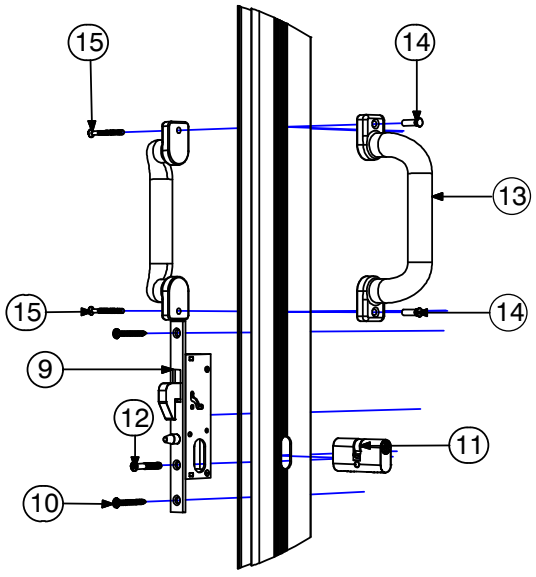
Component Assembly Detail

Sliding Panel

System Profiles

ITEM	QTY	DIE No.	DESCRIPTION	MACHINING
1	1	W56834	Rouge Stile Lock	Yes
2	1	W34207	Rouge Sash Head & Sill	No
3	1	W56831		Yes
		W56832	Rouge Interlocker	
		W56833		
4	1	4mm, 5mm, 6.38mm	Glazing	





Frame Hardware

ITEM	QTY	DESCRIPTION
5	1	Glazing Channel Gasket
6	2	Standard Roller
7	4	Frame Screws
8	2	9mm Grommet

Lock Stile Hardware

ITEM	QTY	DESCRIPTION
9	1	ISEO Lock
10	2	Screw 8x30
11	1	ISEO Cylinder
12	1	Cylinder Screw
13	2	Regal Handle

ITEM	QTY	DESCRIPTION
14	2	Regal Pin Nut
15	2	Regal Adjustable Screw

Important
To ensure that the system meets water ingress criteria, seal all mechanical joint with approved silicone. (See Cleaning & Maintenance Manual)

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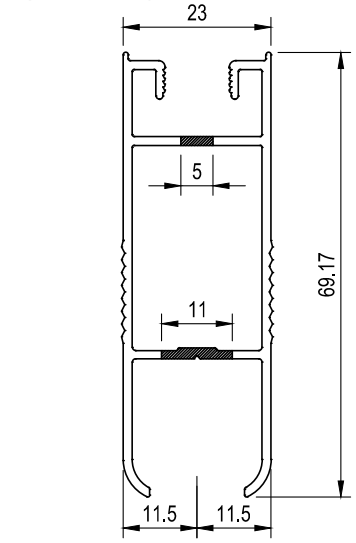
WISPECO Aluminium

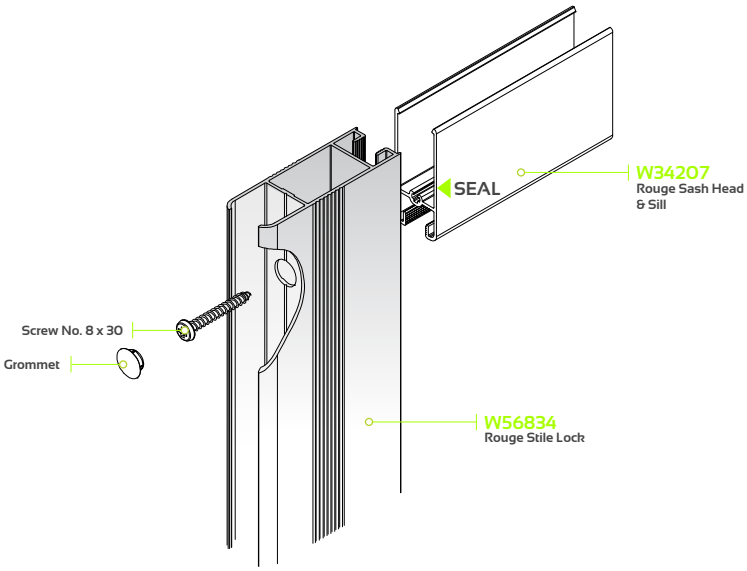
Sliding Panel Construction

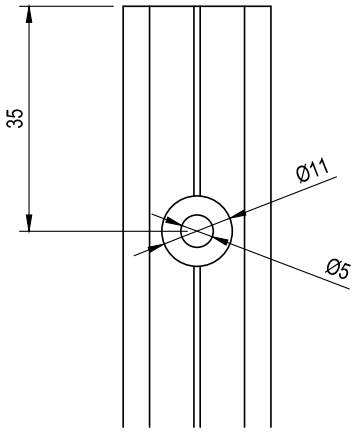
Typical Configuration

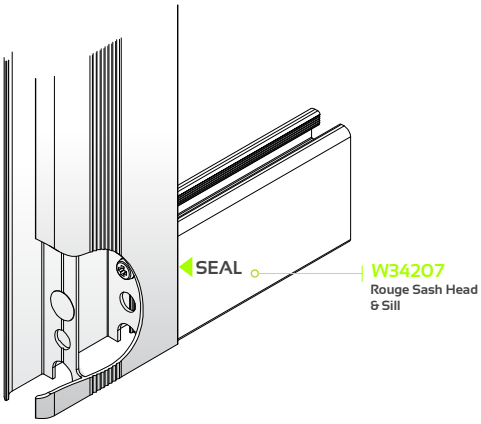
DIE No. W56834 | Rouge Stile Lock

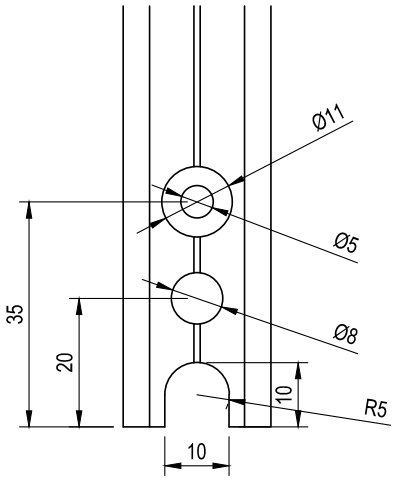
Section not to scale











Profile Height
Profile height to be determined using the StarFront program to ensure compliance to SANS building specifications. Incorrect height of the profile will result in the door failing to be certified.

Important
To ensure that the system meets water ingress criteria, seal all mechanical joints with approved silicone. (See Cleaning & Maintenance Manual)

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WISPECO Aluminium

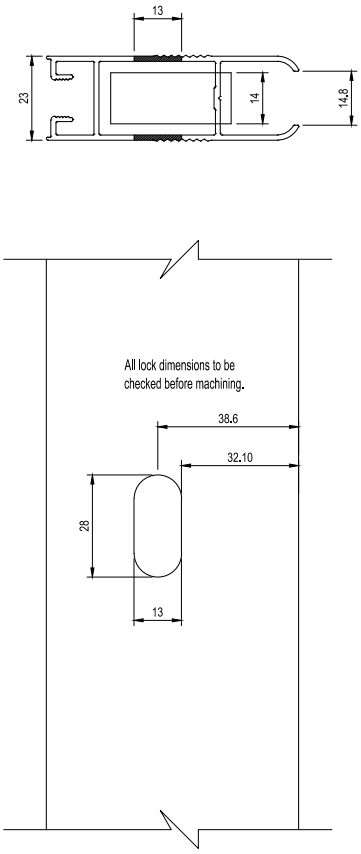
Sliding Panel Construction

Typical Configuration

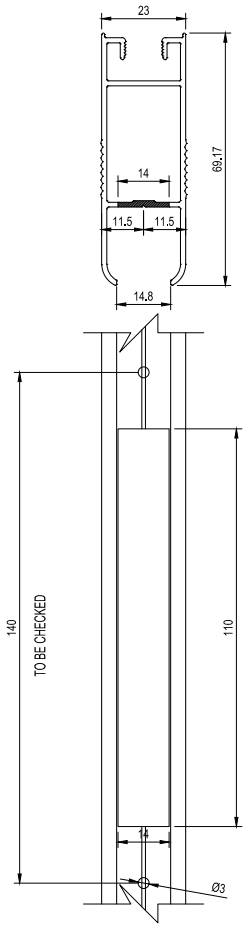
DIE No. W56834 | Rouge Stile Lock

Section not to scale

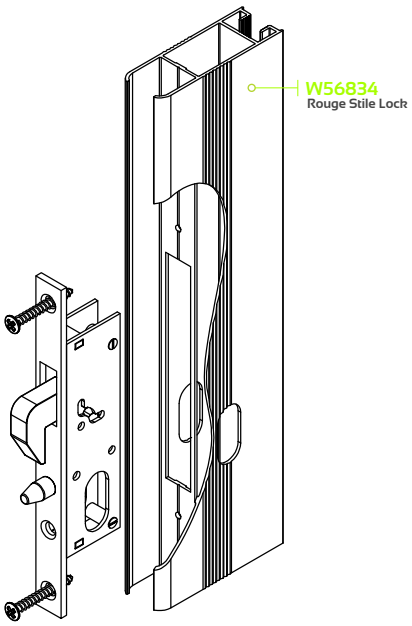
Cylinder Machining Detail



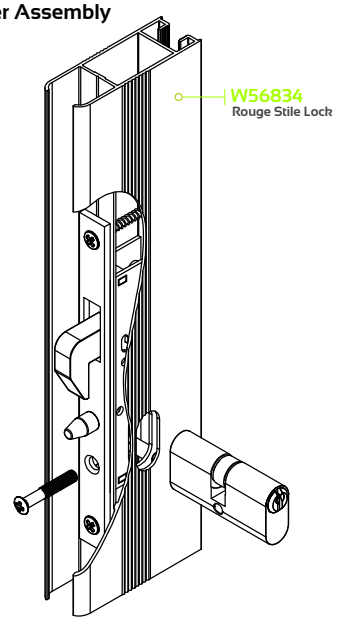
Lock Machining Detail



Lock Assembly



Cylinder Assembly



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WISPECO Aluminium

Machining Detail

Sliding Panel

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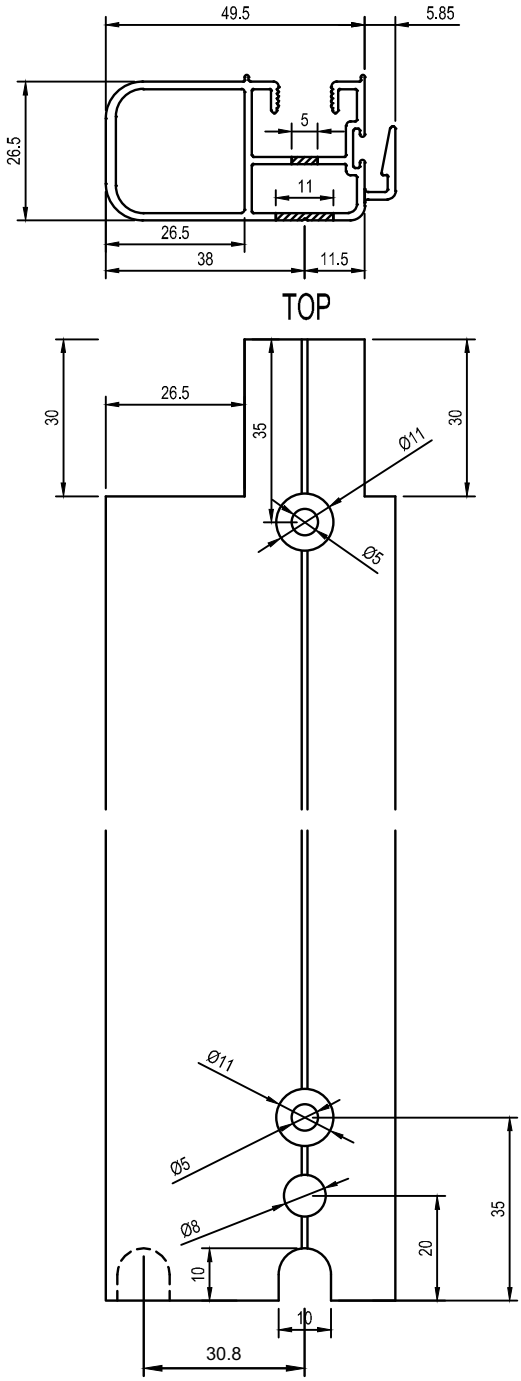
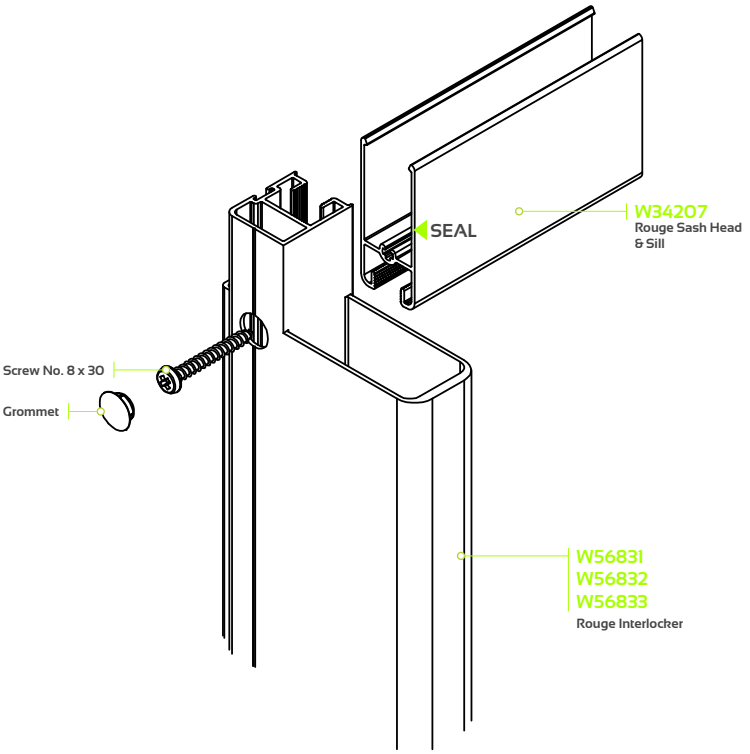
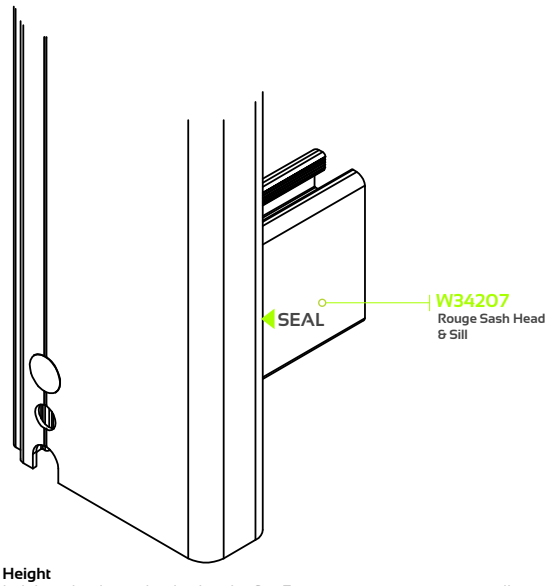
DIE No. W56831 Rouge Standard Interlocker

Section not to scale







Profile Height
Profile height to be determined using the StarFront program to ensure compliance to SANS building specifications. Incorrect height of the profile will result in the door failing to be certified.

Important
To ensure that the system meets water ingress criteria, seal all mechanical joints with approved silicone. (See Cleaning & Maintenance Manual)

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WISPECO Aluminium

Machining Detail

Sliding Panel

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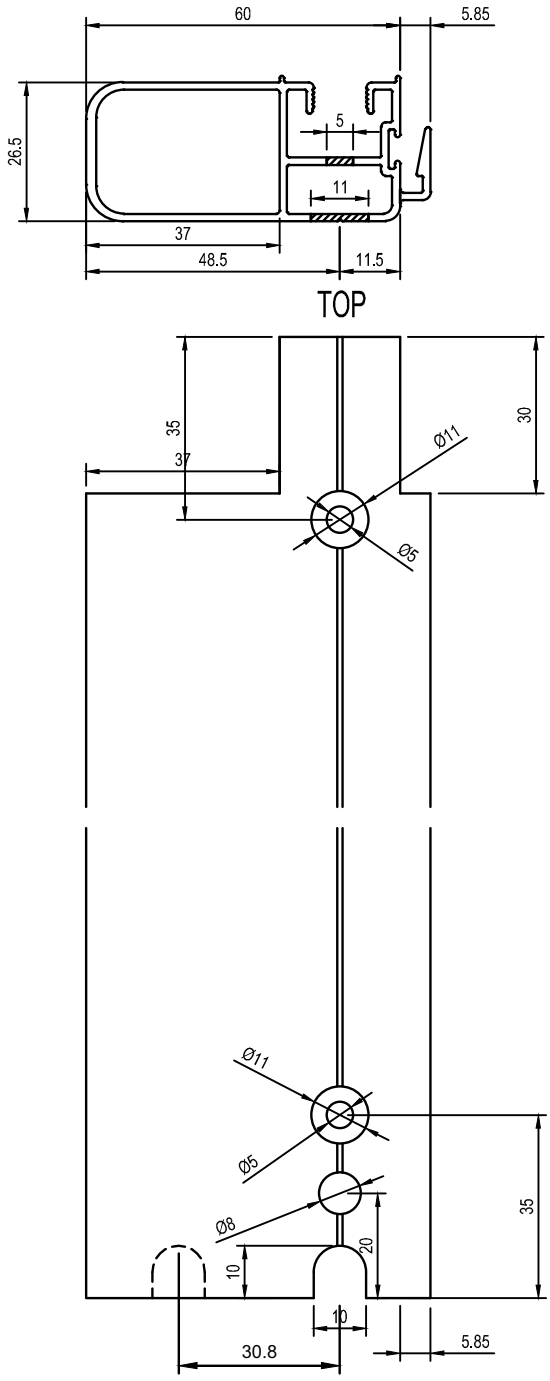
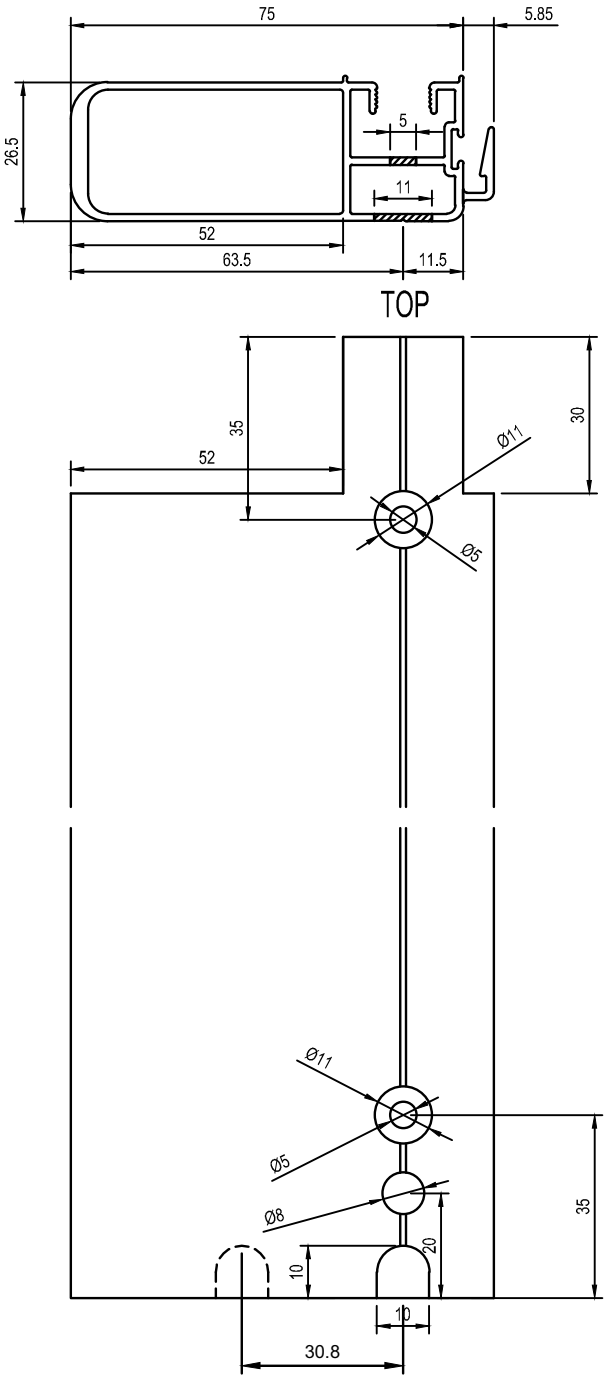
DIE No. W56832 Rouge Interlocker 60mm

Section not to scale



DIE No. W56833 Rouge Interlocker 75mm

Section not to scale



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Machining Detail

Sliding Panel

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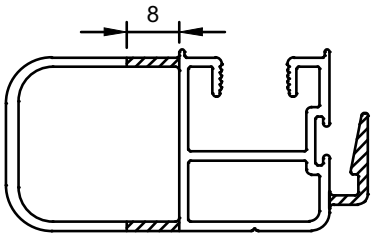
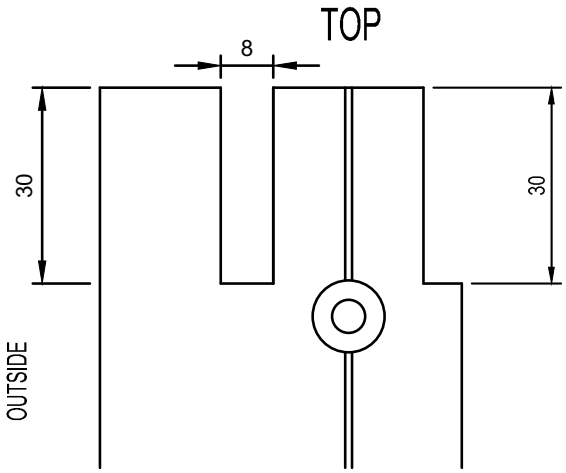
THESE MACHINING DETAILS ARE ALTERNATIVE DETAIILS SHOULD NO END CAPS BE USED.





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MEETING STILES

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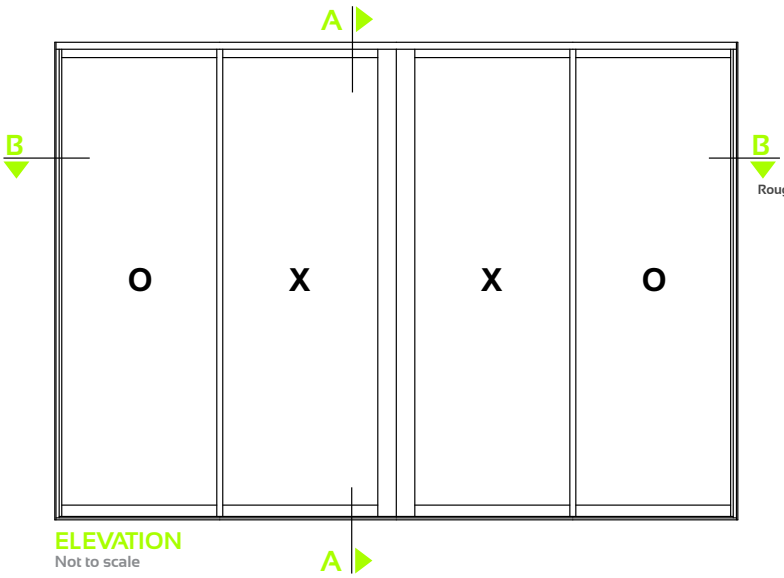
WISPECO Aluminium

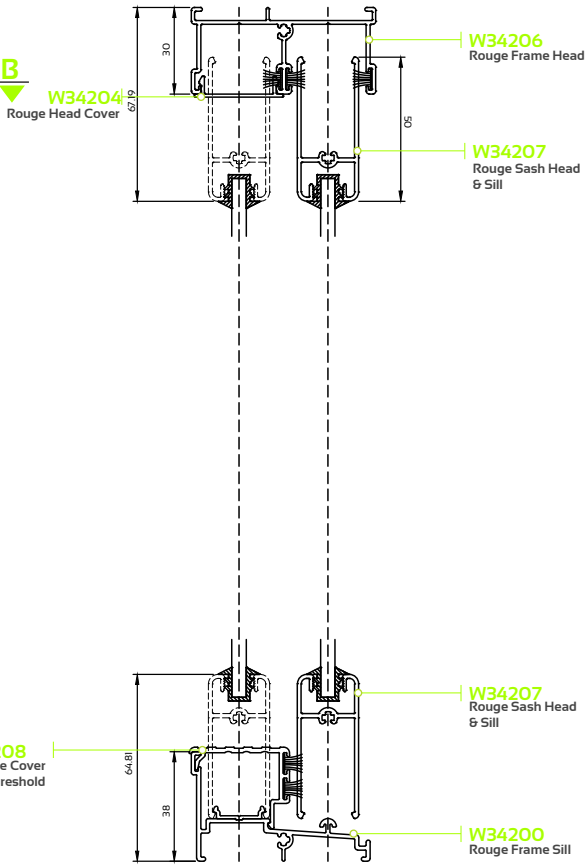
Typical Cross-Sectional Detail

OXXO Configuration



ELEVATION
Not to scale

SECTION A-A
Section not to scale



SECTION B-B
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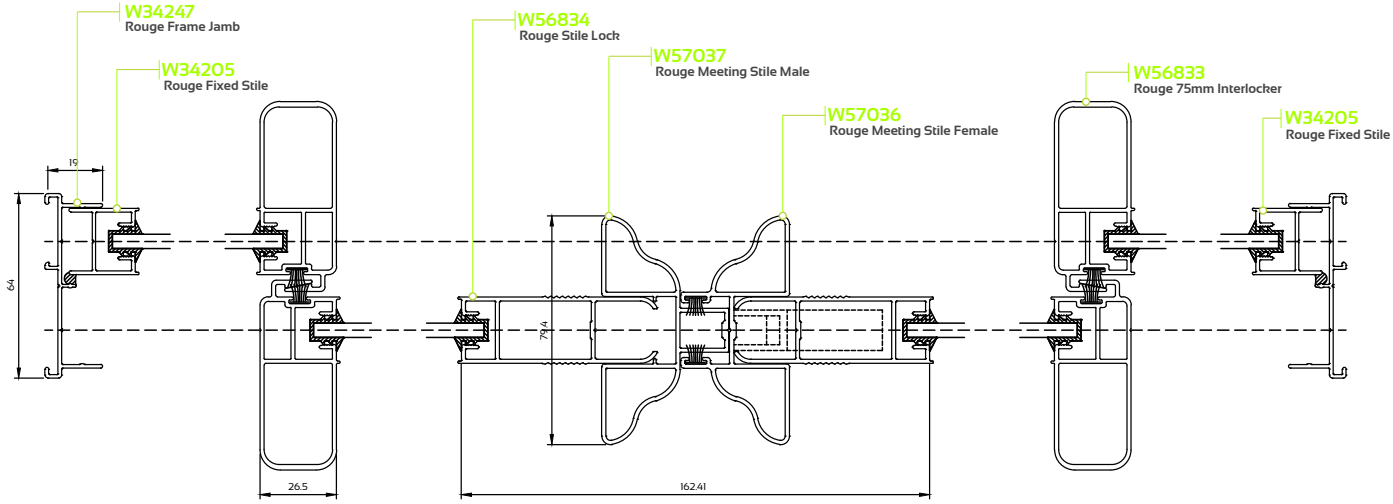

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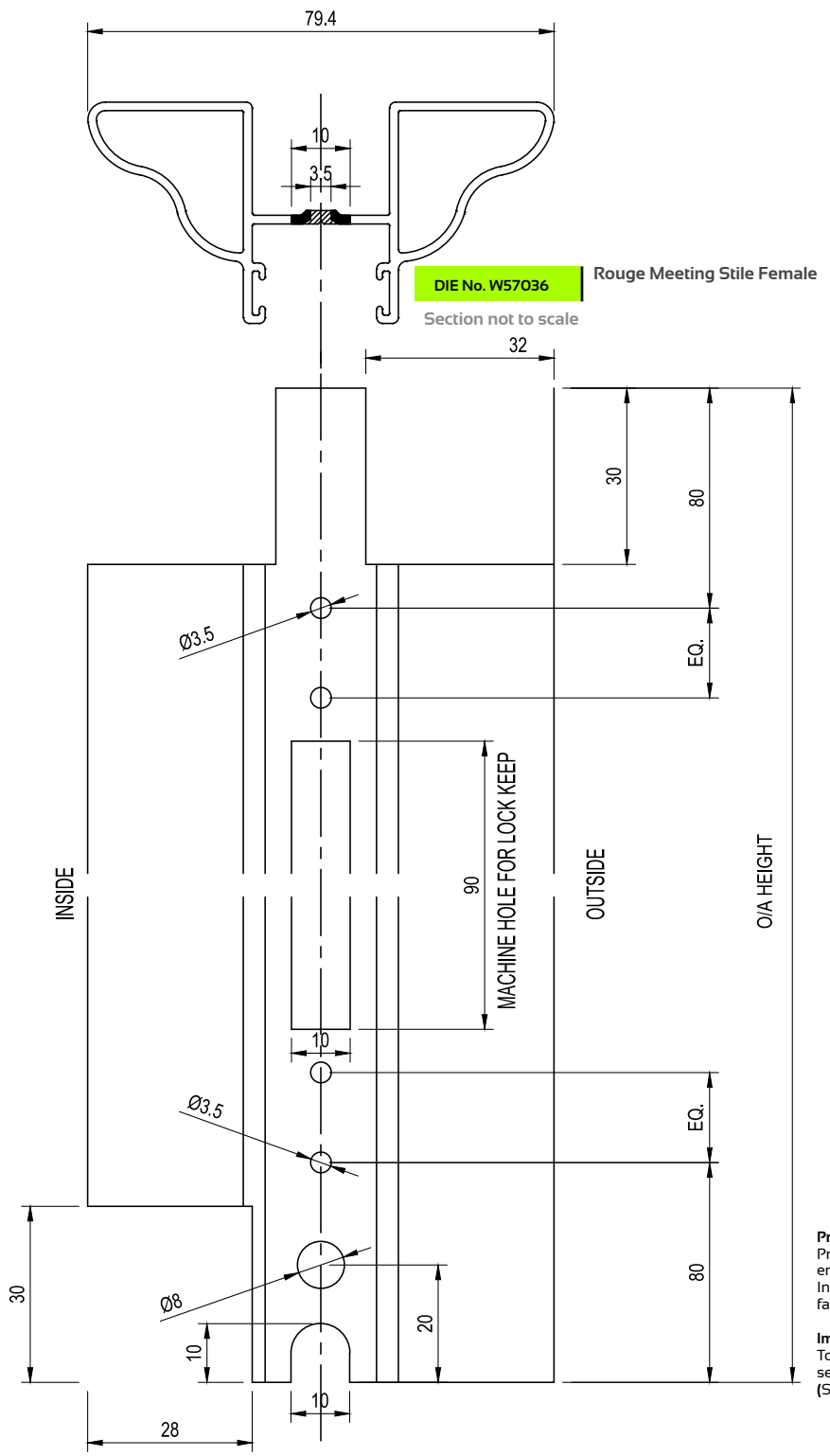
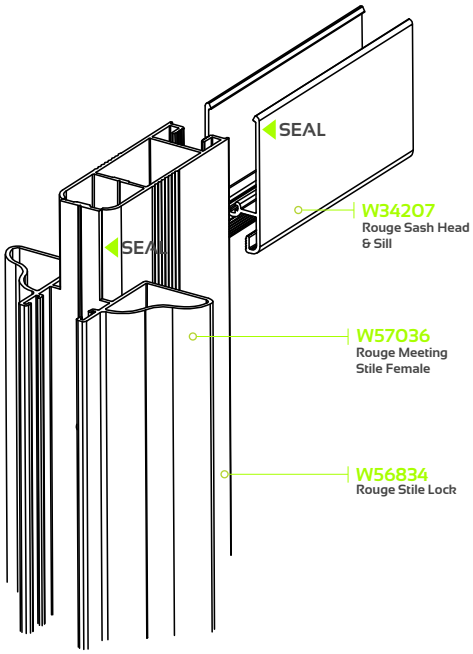
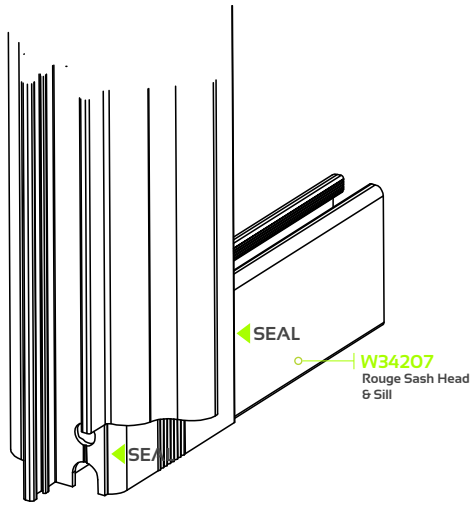
WISPECO Aluminium

Machining Detail

Female Meeting Stile







Profile Height
Profile height to be determined using the StarFront program to ensure compliance to SANS building specifications. Incorrect height of the profile will result in the door failing to be certified.

Important
To ensure that the system meets water ingress criteria, seal all mechanical joints with approved silicone. (See Cleaning & Maintenance Manual)

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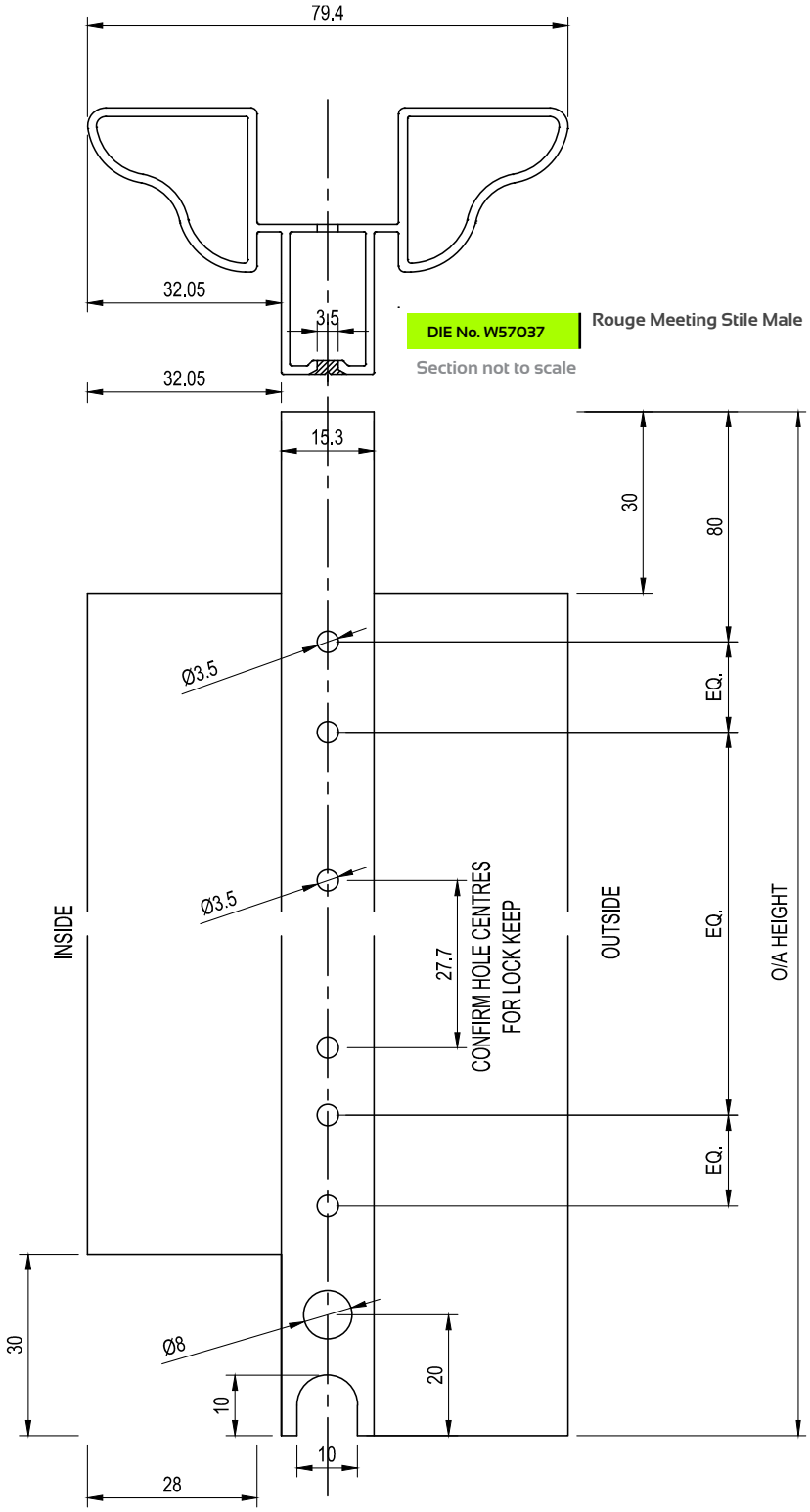
WISPECO Aluminium

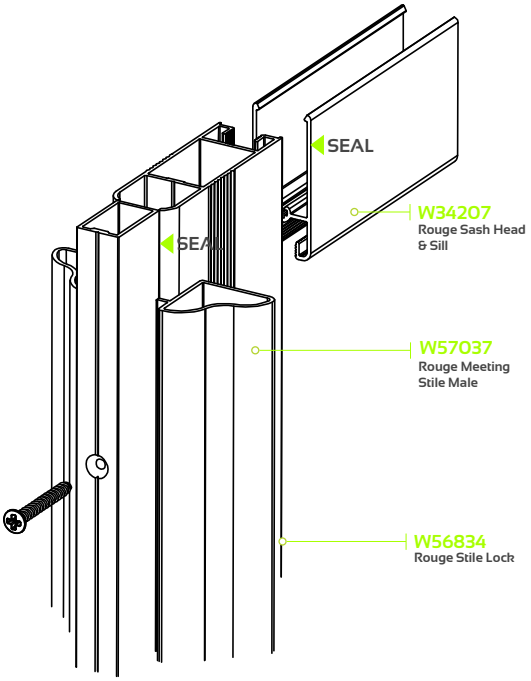
Machining Detail

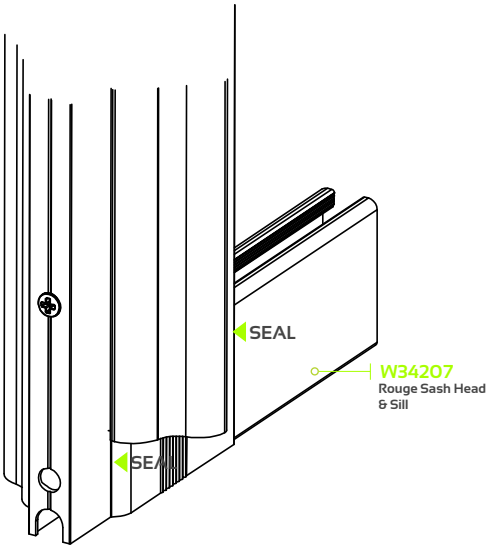
Male Meeting Stile



DIE No. W57037 | Rouge Meeting Stile Male

Section not to scale





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WISPECO Aluminium

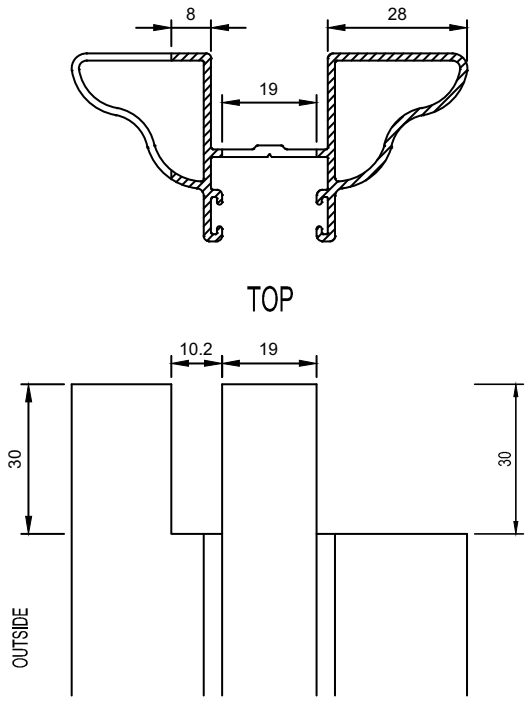
Machining Detail

Male Meeting Stile

THESE MACHINING DETAILS ARE ALTERNATIVE DETAILS
SHOULD NO END CAPS BE USED.

DIE No. W57036 Rouge Meeting Stile Female

Section not to scale



DIE No. W57037 Rouge Meeting Stile Male

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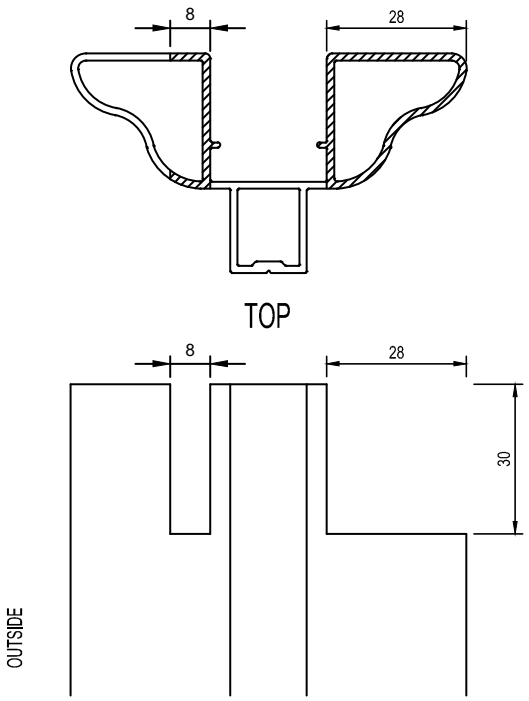

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WISPECO Aluminium

Machining Detail

Meeting Stile Overview

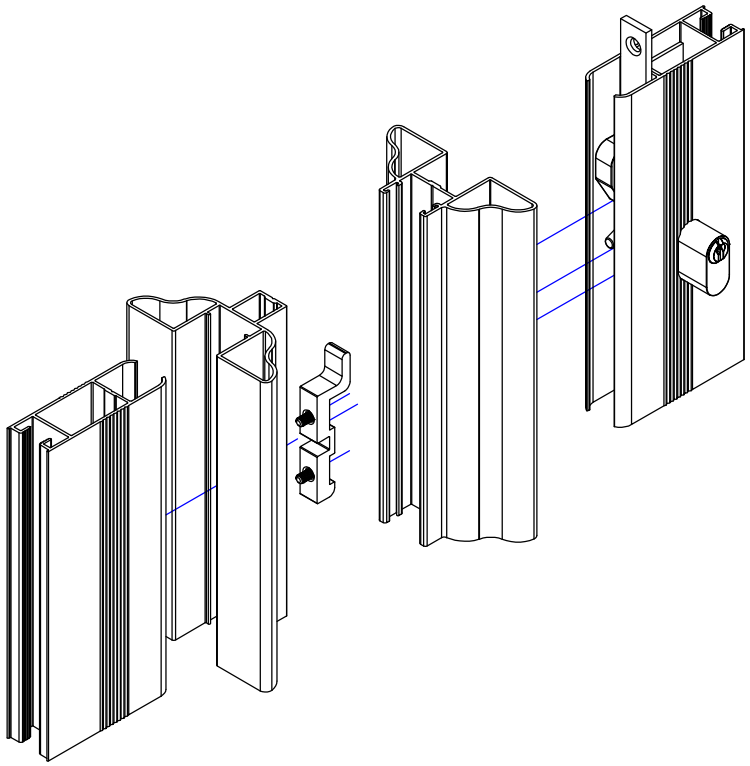
1. Overview
It is important to ensure that the locking components are placed on the correct profiles and the machining is accurate.

2. Lock
The lock is located in the panel with the FEMALE meeting stile. The meeting stile is attached after the lock has been installed and tested. The machining of the opening for the lock keep is important to the correct function and engagement to the lock.

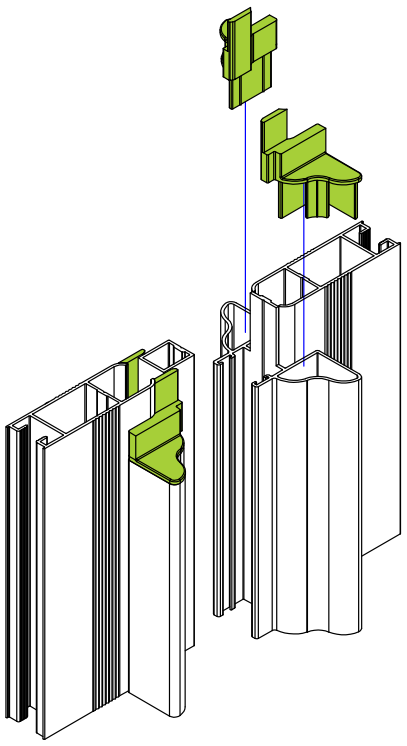
3. Lock Keep
The lock keep is located on the panel with the MALE meeting stile. The lock keep is attached after the meeting stile has been installed and checked for alignment. The location and fixation of the lock keep is important to the correct operation of the locking mechanism.

NOTE: Ensure that the screws used in the lock keep are correctly tightened.

Meeting Stile Lock Detail



Meeting End Caps



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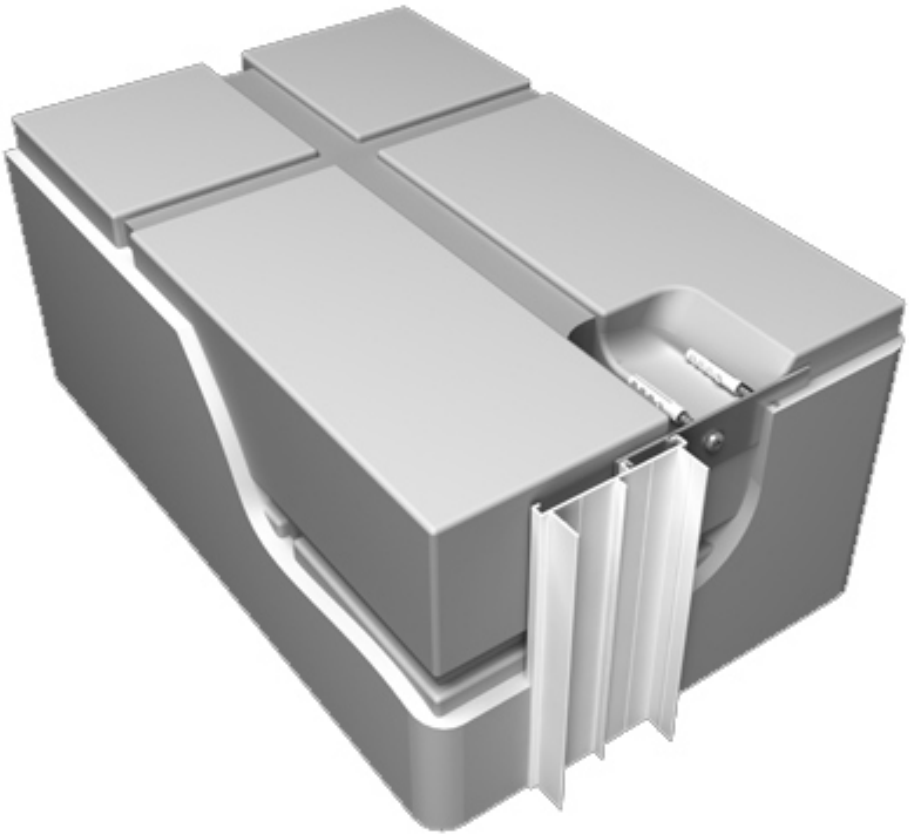
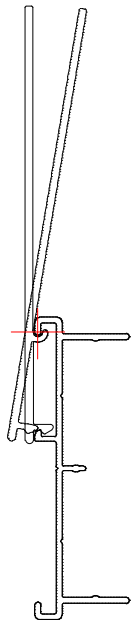
WISPECO Aluminium

Installation

Fixing Lug Details

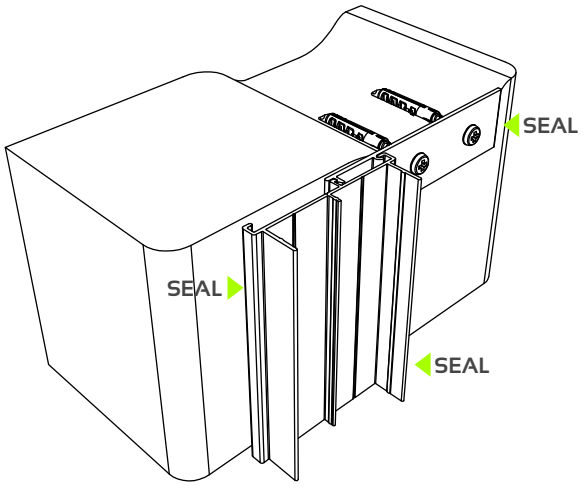
Please note: These details pertain to the machining of profiles. Lengths or profiles and cutting lists need to be confirmed using the StarFront program, to ensure compliance to the SANS building regulations.





The fixing lug is an optional method of fastening the door to the structure, Lugs can be cut to 25mm lengths and drilled to suite your preferred installation method. The spacing and method of fixation will need to be approved by a structural engineer.

Note: Indicated fixing method is for illustrative purposes only.



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Door Installation Guide

Please note: This is a guideline on the installation process of a standard OX & OXXO Door.

Double Track Installation

1. Install Outer Frame
Install the outer frame in to the structure or void using preferred method.
(See Fixing Details for correct fixation dimensions).

Ensure that the outer frame is square, plumb and that all dust and grime is removed. Ensure all joints are sealed sufficiently and that all joints are weather resistant (Remember to fit the finseal).

2. Install Fixed Panel Adaptor
Install the fixed panel adaptor (See Fixing Details for correct fixation dimensions)

3. Install Fixed Panel
Install the fixed panel (See Figure 1)
Install the panel by inserting the panel into the head channel. Lift and swing the panel over the fixed panel adaptor. Ensure that the adaptor engages the bottom of the panel and that it is square. To ensure no movement of the fixed panel, it is recommended to be pop riveted at the top of the inside.

4. Silicone Fixed Panel
Silicone the fixed panel to the outer frame externally.

5. Install Outer Frame Components
Install the threshold and the head cover into the same channel as the fixed frame. Ensure that the outer frame is free from debris before installation as this can impair the engagement of the profiles.

Ensure the finseal has been inserted into these components prior to installation. Please ensure that the finseal is cut 15mm longer that will extend to overlap the interlockers, ensure that the finseal cannot slide out with the moving of the panels.

6. Install Sliding Panel (s)
Install the sliding panels into the outer frame beginning with the channel closest to the fixed panel.

Ensure that the rollers are in their lowest position to ensure no interference with the installation of the panel over the tracks.

7. Door/Lock Adjustment
Ensure that the rollers are in their lowest position to ensure no interference with the installation of the panel over the tracks.

Once the sliding panel is in place adjust the rollers to the correct height.
In the case of the sliding panel with the lock, align the lock to the correct height.
The lock keep is adjustable as well to allow for a small tolerance to cater for any settling.

8. Weatherproofing
Apply silicone to the joint between the outer frame and the structure paying extra attention to the corner joint areas.

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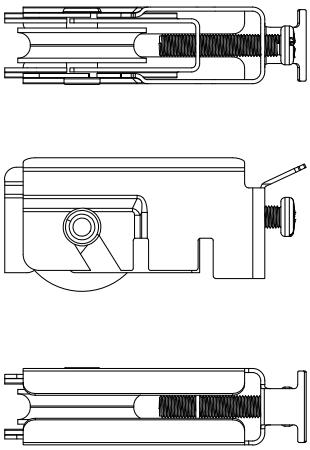
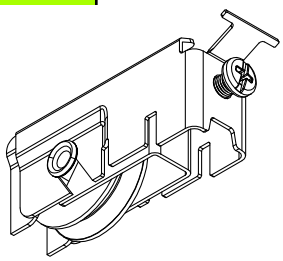
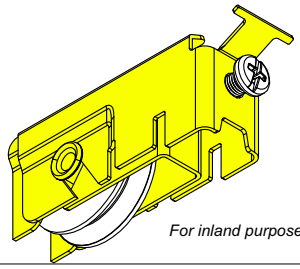


RSW-PD-SS **Patio Door Roller S/S**

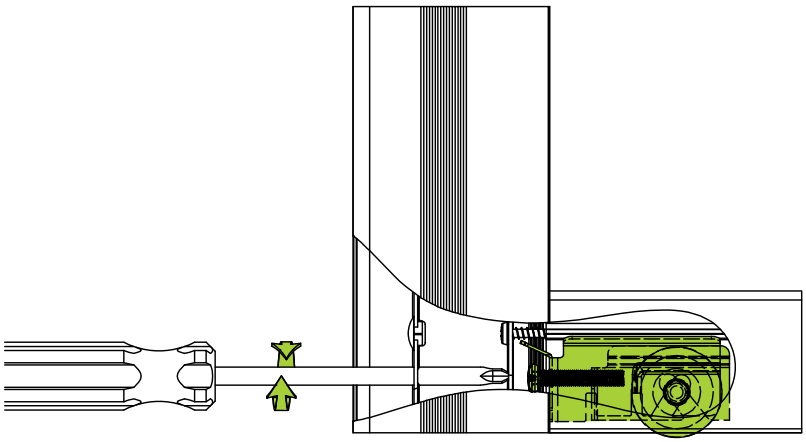


ROLL650YP **Patio Door Roller**

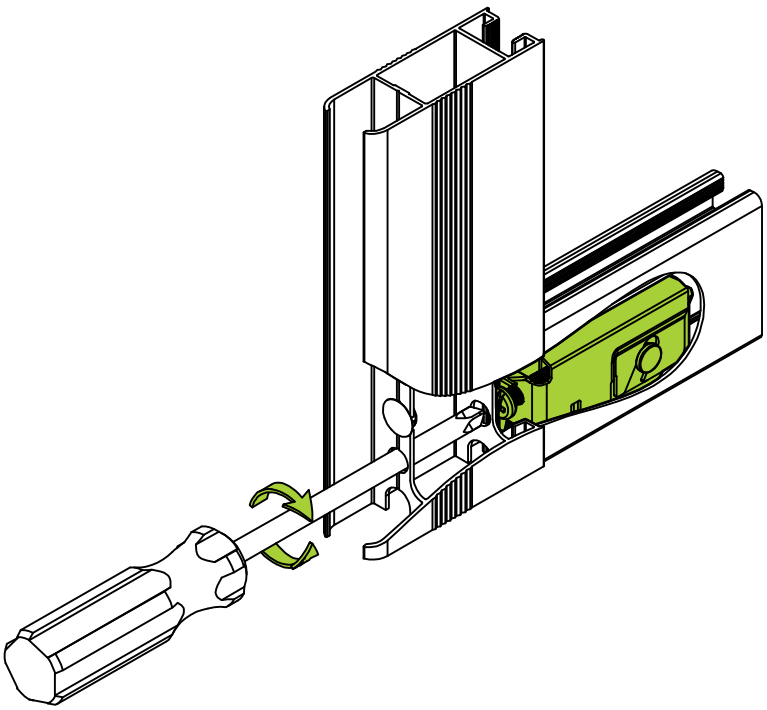


For inland purposes only

Roller Specifcation
This manual depicts the standard patio door roller as shown which is available from Crealco Components. The principles of placements and adjustments are shown as below.



Roller Adjustment
The roller should be installed in its lowest position, this will make installing the panel with the end caps in place into the outer frame easier. To raise the roller a phillips or fat screwdriver is inserted through the adjustment hole and turned clockwise. To lower the roller turn anti-clockwise.



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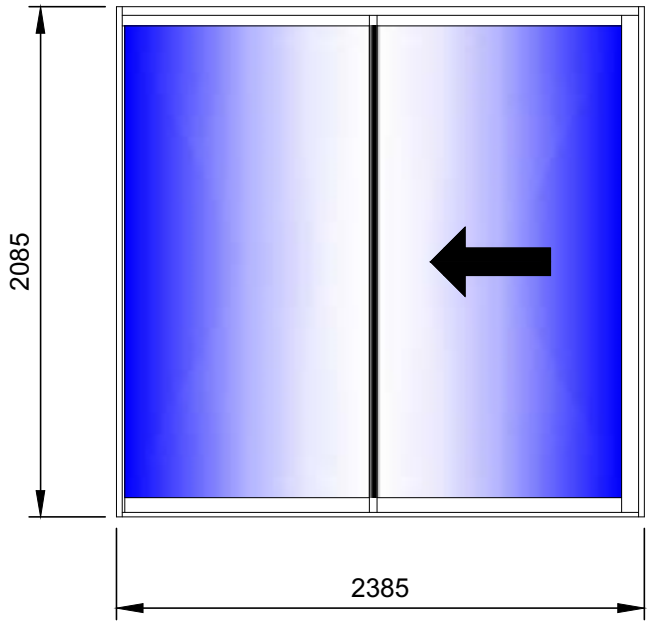
SANS 613 TEST
Performance Compliance Report (PCR094)



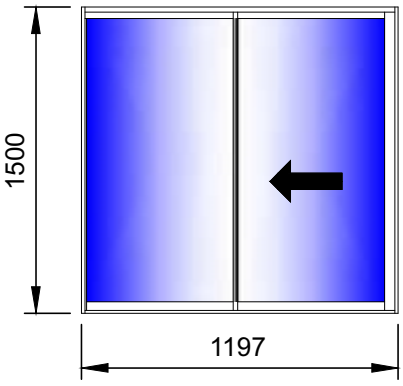
Elevation

Test Performance Rating: A3

Negative Pressure	Deflection 10.6mm @ 2000 Pa
Positive Pressure	Deflection 10.1 mm @ 2000 Pa
Water Penetration	No leakage @ 400 pa
Structural Pressure	3000 Pa
Air Infiltration	0.22 l/m²/s

AAAMSA Group

SAFIERA ENERGY RATING CERTIFICATION (FS0022)



Elevation

Test Performance Information

ENERGY PERFORMANCE RATINGS	
U-Value (W/m²/K)	Solar Heat Gain Coefficient
5.71	0.41
ADDITIONAL PERFORMANCE RATINGS	
Air Infiltration	Visible Transmittance
0.22 l/m²/s	0.58
MECHANICAL PROPERTIES	
Category	Design Wind Load
A3	2000 Pa

SAFIERA

Testing compiled with 6.38 mm PVB Laminated glass - IGDB #: 16019

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Test report showing maximum load required before the lock keep fails

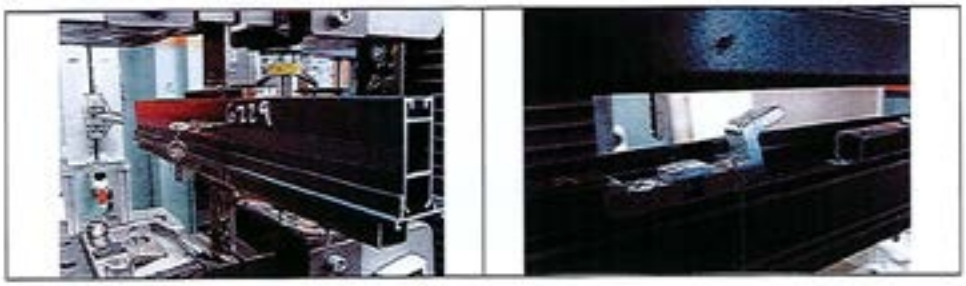
TEST REPORT IN ACCORDANCE WITH EN 10204 3.1 OF SAMPLE AS SUPPLIED			
Customer:	WISPECO (PTY) LTD	Material:	Aluminium
Order no:	COD		
Address:	PO Box 124167		
	Alrode	Description:	Rouge Patio Door Lockstile
	1451		Pull test sample
Telephone:	011 389 0116		
Fax \ e-mail:	011 864 1848, 082 300 3239	Identification:	No ID
Attention:	Ben Stimic - ben@wispeco.co.za		

METLAB

REPORT NUMBER:	13 - 6229 A
Date Received:	Date tested:
15 November 2013	26 November 2013

LOAD TEST			
Sample	Maximum load kN	Maximum load kg	Failure Position Comment
Rouge Patio Door Lockstile	0.604	61.6	The aluminum jamb bent open

Client instruction: Pull the lockstile from the jamb in a locked position until product failure occurs - Record position of failure



Tests requested, in accordance with spec. provided			
Tests requested, not in accordance with spec. provided			
No requirements provided	X		
REMARKS:		WITNESS BY: N/A	TECHNICAL SIGNATORY

Page 1 of 1

For conditions relevant to this certificate see reverse side.

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ROUGE
SLIDING DOOR

PRODUCT MANUAL

WISPECO Aluminium

HORIZONTAL SLIDING WINDOWS

★★★
AAMSA
A3 RATING
★★★

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WISPECO Aluminium

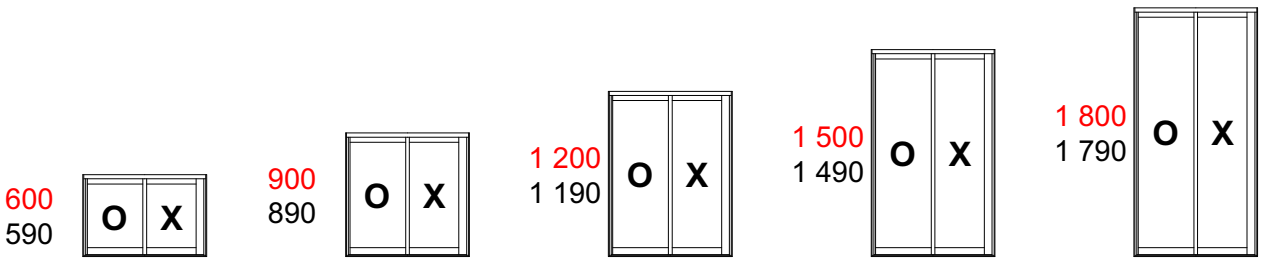
Size Limitation Guide

The size limitations of the system are strictly calculated in accordance to AAAMSA guidelines and take into account the aluminium specifications as well as the glass used. Please ensure that these are adhered to as any product produced outside of these limitations will not adhere to AAAMSA regulations.

KEY

Opening Sizes *are shown in RED (Top)*
Actual Window Sizes *are shown in BLACK (Bottom)*

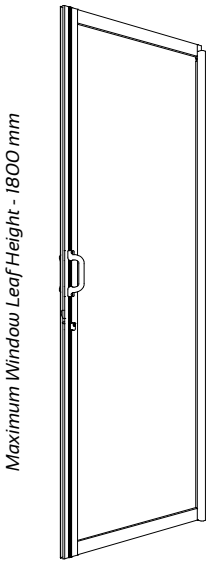
O - FIXED PANEL
X- SLIDING PANEL

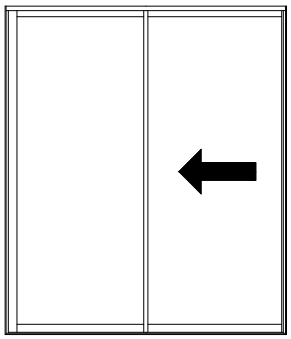


FOR ALL THE STANDARD WINDOW CONFIGURATIONS SEE THE NODDY CHARTS ON STARFRONT

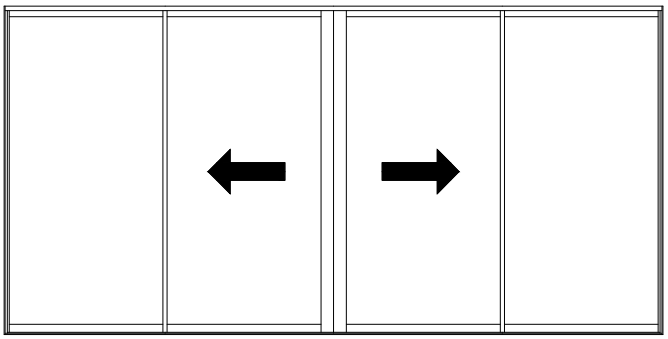
Typical Configurations

Below are the most popular system configurations used within South Africa. For Insect Screen configurations see Insect Screen Manual





OX



OXXO

Maximum Window Leaf Width - 1500mm

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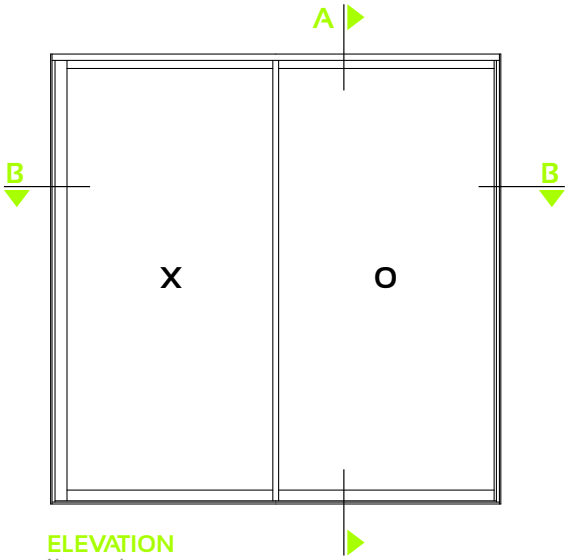
WISPECO Aluminium

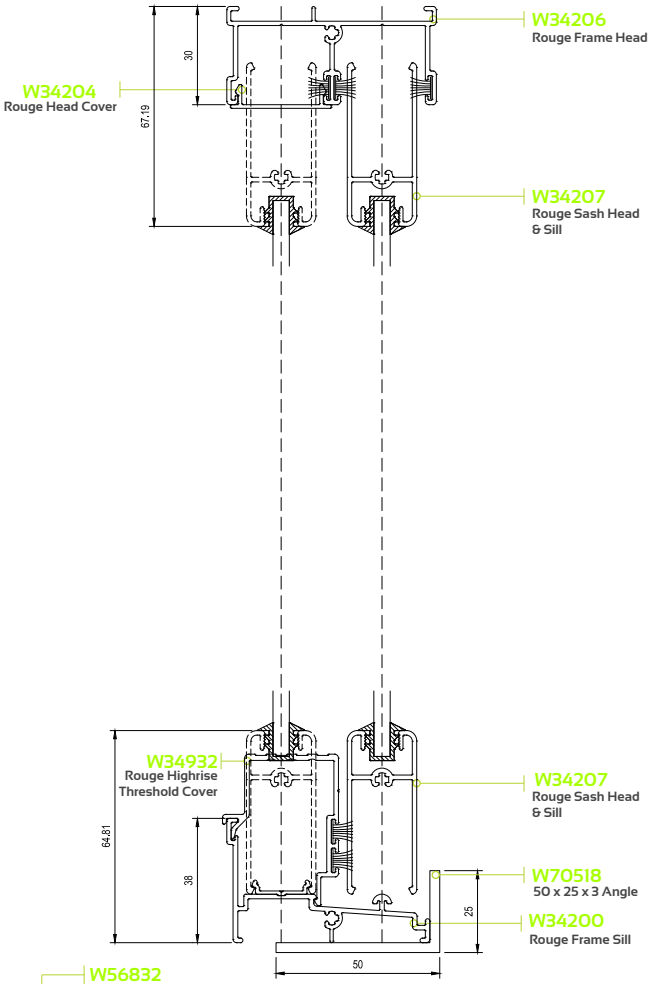
Typical Cross-Sectional Detail

OX Configuration



ELEVATION
Not to scale

SECTION A-A
Section not to scale



SECTION B-B
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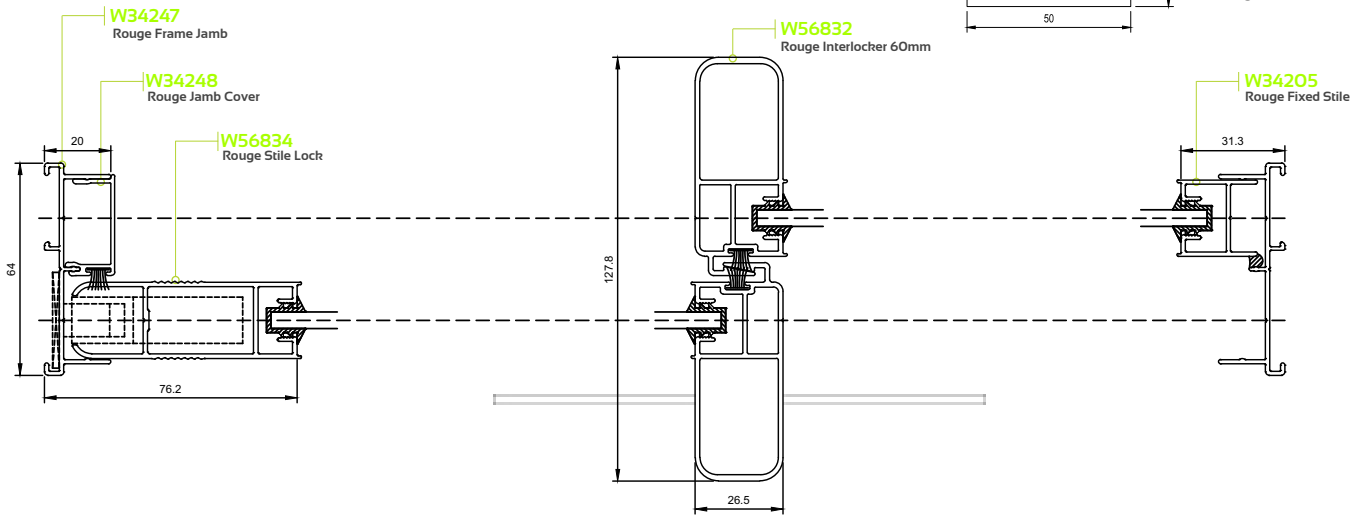

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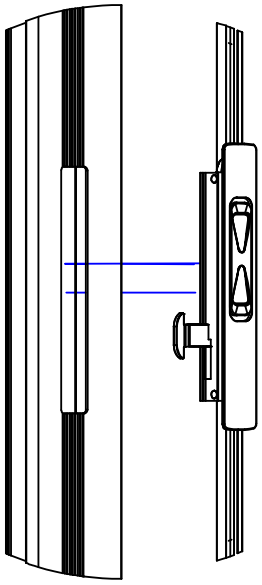
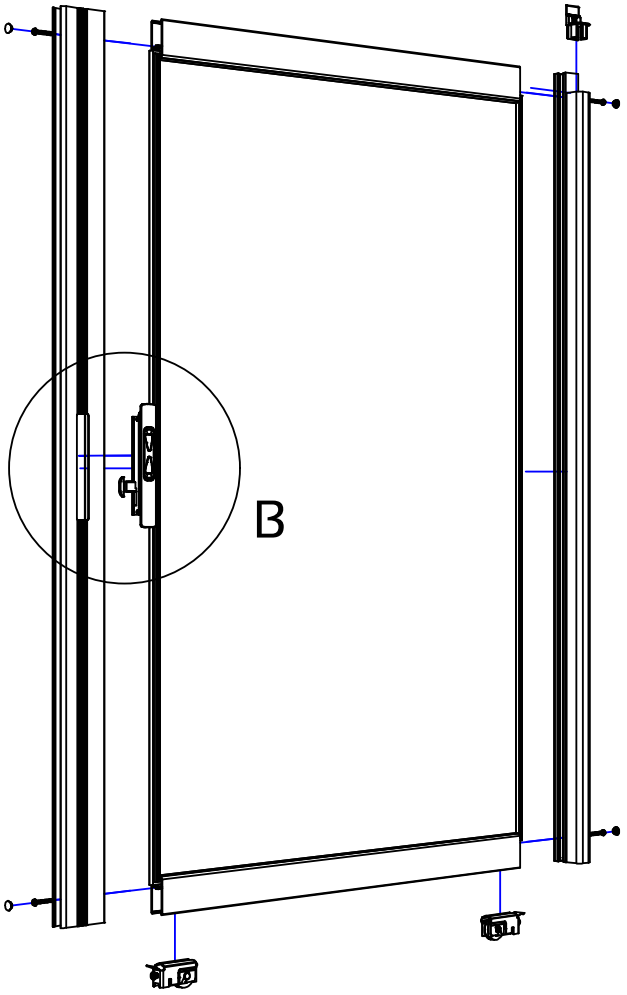
WISPECO Aluminium

Component Assembly Detail

Sliding Panel

ITEM	QTY	DIE No.	DESCRIPTION	MACHINING
1	1	W56834	Rouge Stile Lock	9
2	1	W34207	Rouge Sash Head & Sill	8
3	1	W56831 W56832 W56833	Rouge Interlocker	9
4	1	4mm 5mm 6.38mm	Glazing	





Frame Hardware

ITEM	QTY	DESCRIPTION
5	1	Glazing Channel Gasket
6	2	Standard Roller
7	4	Frame Screws
8	2	9mm Gommet

Lock Stile Hardware

ITEM	QTY	DESCRIPTION
9	1	ISEO Lock
10	2	Screw 8 x 30
11	1	ISEO Cylinder
12	1	Cylinder Screw
13	2	Regal Handle
14	2	Regal Pin Nut
15	2	Regal Adjustable Screw

Important
To ensure that the system meets water ingress criteria, seal all mechanical joints with approved silicone.
(See Cleaning & Maintenance Manual)

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WISPECO Aluminium

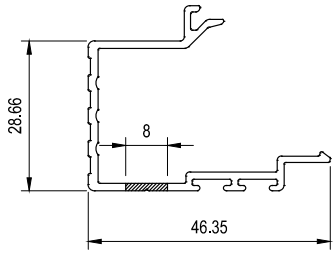
Machining Detail

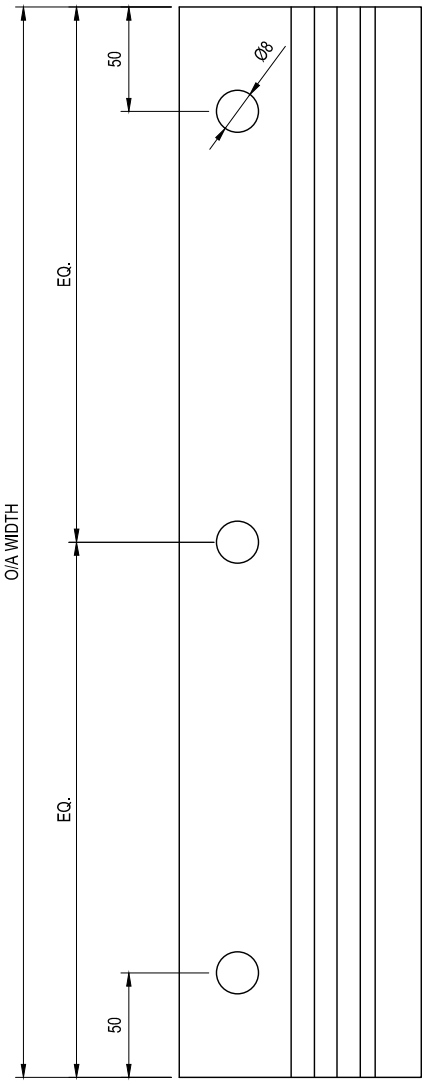
Threshold

Please note: These details pertain to the machining of profiles. Lengths or profiles and cutting lists need to be confirmed using the StarFront program, to ensure compliance to the SANS building regulations.

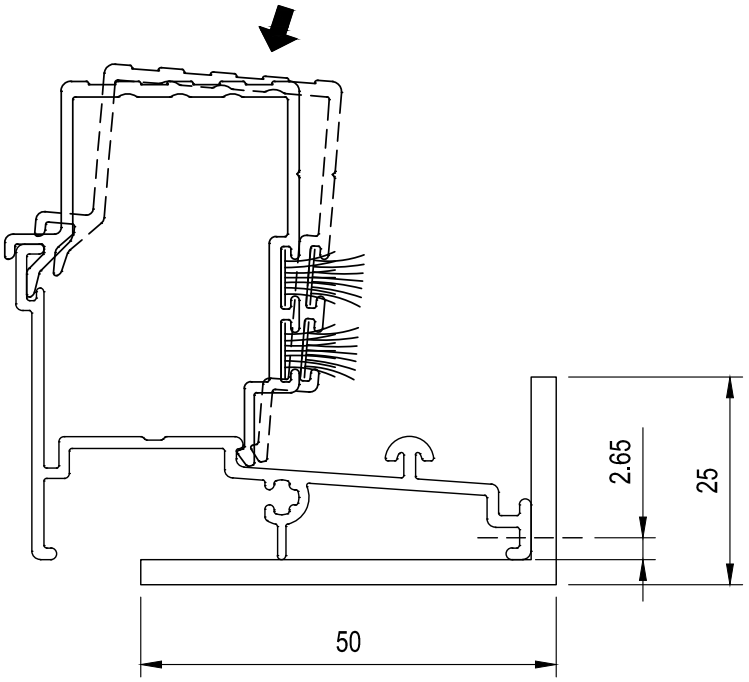
DIE No. W34932 **Rouge Highrise Threshold Cover**

Section not to scale





NOTE:
The highrise threshold cover to be used for all window configurations. The finpile to extend 15mm over the interlockers.



NOTE:
An angle (see page 46 for sizes) fixed to the sill rail to be used to prevent panels from been pushed out of the frame.

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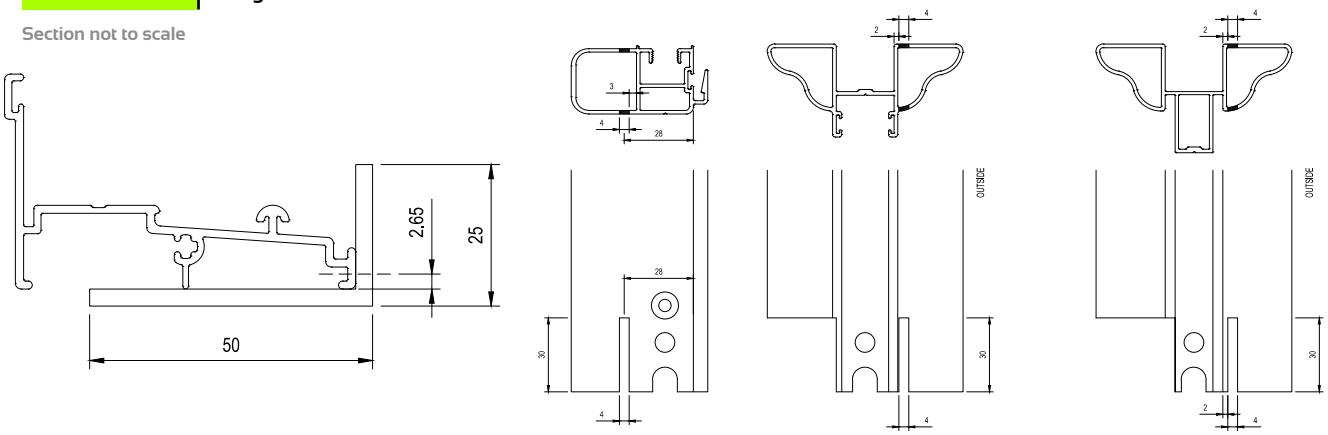
Machining Detail

Outer Frame

Please note: These details pertain to the machining of profiles. Lengths or profiles and cutting lists need to be confirmed using the StarFront program, to ensure compliance to the SANS building regulations.

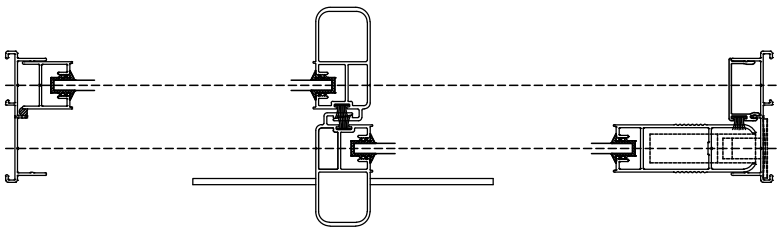
DIE No. W34200 **Rouge Frame Sill Double**

Section not to scale



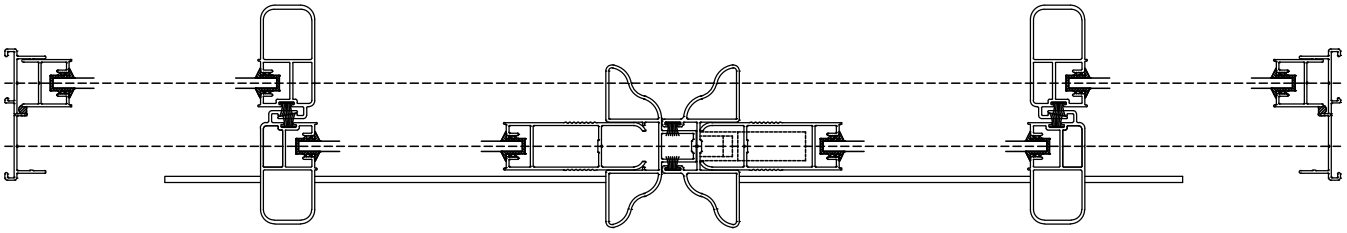
NOTE:
Fit W70158 as shown to prevent the sliding panels from been pushed out of the outer frame.

Machining detail on the bottom of the interlocker & meeting stiles to allow the bottom angle to be fitted to the frame.



Overall width of angle = O/A width of frame / 2

NOTE:



NOTE:
Overall width of angle = O/A width of frame / 4 x 3

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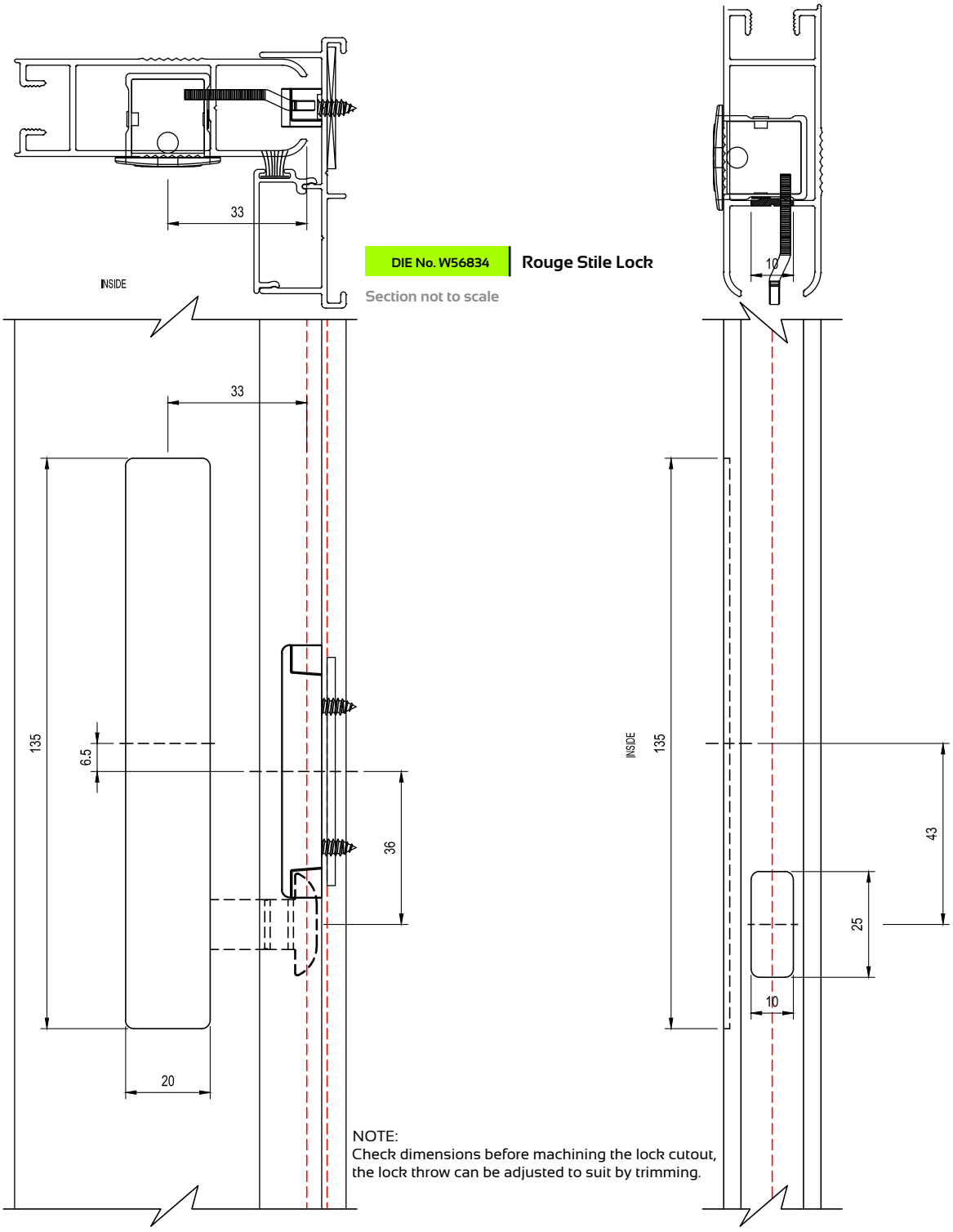
Machining Detail

Lock Stile

Please note: These details pertain to the machining of profiles. Lengths or profiles and cutting lists need to be confirmed using the StarFront program, to ensure compliance to the SANS building regulations.



DIE No. W56834 **Rouge Stile Lock**

Section not to scale

NOTE:
Check dimensions before machining the lock cutout, the lock throw can be adjusted to suit by trimming.

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