



origin

DOORS AND WINDOWS

Residential Door Specification File

A close-up photograph of a modern door handle and lock mechanism. The handle is a brushed metal, oval-shaped plate. The lock is a cylindrical metal piece with a keyhole, featuring a logo that includes the letters 'A&S'. The door itself is a dark, matte grey or black. The lighting creates soft shadows and highlights the textures of the metal and door.

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Specification overview

Thermally Broken Aluminium Residential Door

External view of residential doors (open in)



Internal view of residential doors (open in)



Profile specification

Outer Frame Depth	75mm
Sash Depth	59mm
Threshold Height (not including rebate)	50mm
Mobility Threshold Height	20mm

Features

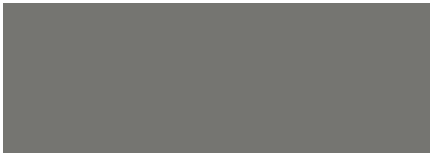
- ▶ 20-year guarantee, however, panels will be limited to a 5-year warranty
- ▶ Chamfered bead design
- ▶ Packaged in kit form for easy transportation and installation
- ▶ 5 or 8 point locking system available
- ▶ Each door comes with four zinc security hinges. One hinge will be positioned in reverse for optimum security
- ▶ 3 Star keyed cylinder
- ▶ Panel composition: Aluminium inner and outer layers with a highly efficient Thermimax core
- ▶ 35 panel choices available

Options and extras


- ▶ Single and French residential doors
- ▶ Accommodates 32mm aluminium panels or double and triple glazing with unit sizes of 24mm, 28mm or 32mm
- ▶ Weathered (standard), non-weathered and Mobility (limited weather) thresholds available
- ▶ Open in or open out
- ▶ Cill options are: 95, 155, 180 and 225mm
- ▶ Available in over 150 different colours
- ▶ 3 star cylinder with coded magnetic keys
- ▶ Hinge colours: black, white, stainless steel finish, colour coded
- ▶ Gaskets available in 7 different colours: black, white, light grey, graphite grey, light oak, bronze, chestnut brown
- ▶ Door to window coupling
- ▶ Matching side panels
- ▶ Comprehensive handle range

5 week lead time

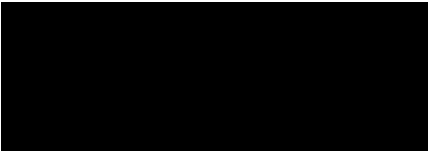
Available in the following popular colour finishes




Dark Silver Metallic (9007M)




Black Grey (7021M)




Jet Black (9005M)



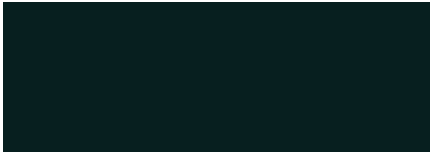
Slate Grey (7015M)



Light Silver Metallic (9006M)



Hipca White (9910G)

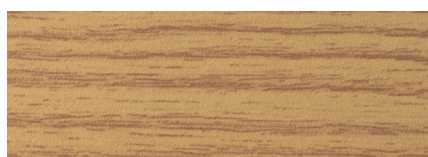


Anthracite Grey (7016M)



9910G / 7016M (Dual Colour)

Origin's 4 woodgrain colours are available



Natural Oak



Golden Oak



Mahogany







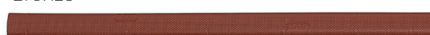


Walnut

8 week lead time on woodgrain colours



Bespoke RAL colours are available on residential doors

Door Colour	Recommended Q-Lon Gasket Colour	
A. 7015M, 7016M and 9007M	Graphite Grey	
B. 9005M and 7021M	Black	
C. 9006M	Light Grey	
D. 9910G	White	
E. Natural Oak and Golden Oak	Light Oak	
F. Walnut	Bronze	
G. Mahogany	Chestnut Brown	

Security

Origin's Multi-Point Lock

Residential doors use the same great high-security 8 point lock used in the Origin Bi-fold Door, but with the addition of an offset spindle function

The Origin Multi-Point Lock offers 8 points of locking and is part of the reason our door system is fully document Q compliant as standard

As an option to the standard locking system with lever/lever handle, a high security, 5 point, automatic locking system is available. Allowing the user to simply shut the door and turn the key without the need to lift the handle first

Barrels

We offer 2 types of locking barrel/cylinder

Our standard barrel is certified to 3 star British Kite Mark TS007:2014

Our most secure locking barrel is a 3 star British Kite Mark TS007:2014, with coded magnetic keys

Standard
Barrel

3 star British Kite
Marked barrel
with coded
magnetic keys



Hardware Components

Security Restrictor

We offer the option of having a security restrictor on the Origin Residential Door.

The restrictor is designed to limit the door opening prior to visitors entering. It's easy to apply and release (when the door is open).

Available in gold and chrome.



Handles

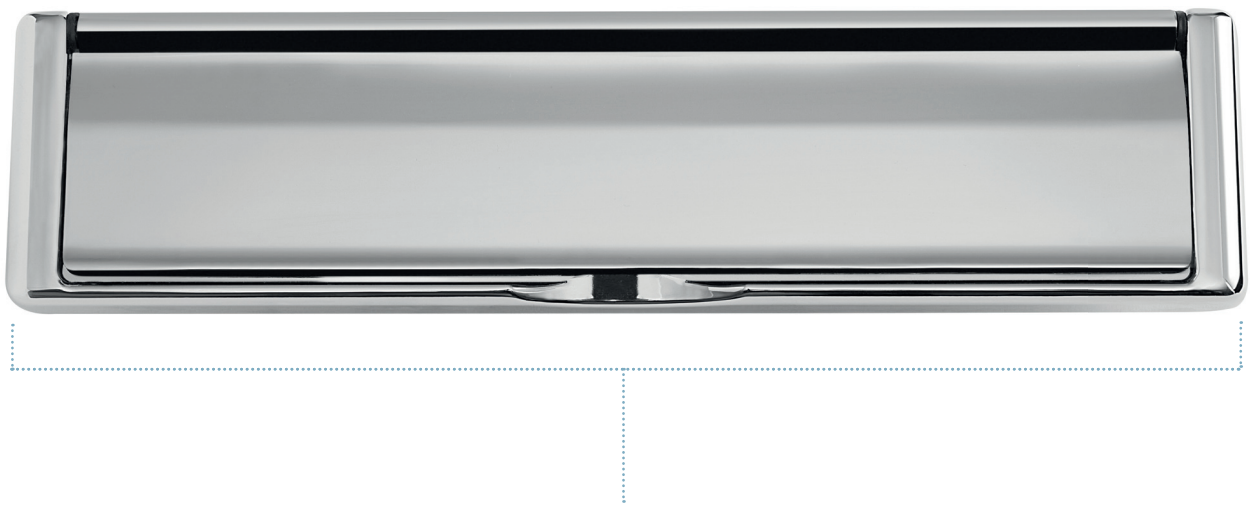
There are three handle options available, a bar handle, a finger pull escutcheon and our standard Yale lever handle.

- ▶ The bar handle is available in three styles – straight, offset and bow bar. These come in two sizes, 1200mm (720mm for bow bar) and 500mm (550mm for bow bar), and are available in a brushed stainless steel finish only
- ▶ The pull handles are available with automatic locking only
- ▶ The standard Yale handle is available in black, white, chrome or gold



Letterbox

Letterboxes are available as an optional add-on for a number of the panels available in the Origin Residential Door range. Due to the bespoke nature of our products, the positioning of the letterbox will be predetermined by the panel size, type and style.



The letterbox takes full A4 size mail and is available in 5 colours - white, black, gold, chrome and satin stainless steel.

- ▶ External flap opens to 180°
- ▶ Fully sprung loaded with finger slot for easy opening
- ▶ Contains external weather seal and internal draught seal
- ▶ Internal nylon brush seal to reduce air filtration

Door Knockers with Spyholes

There are two door knocker styles available for the Origin Residential Door, the Affinity vertical slim line knocker and the Affinity urn knocker. Both knocker styles include a fitted spyhole for added security. Both styles are fitted with an integral escutcheon plate, and leave no unsightly bolts on the inside of your door

Affinity vertical slim line door knocker - available in white, black, gold, chrome and satin stainless steel

Affinity urn knocker - available in chrome and gold

Spyholes available separately in chrome and gold

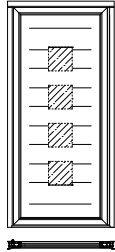


Panel Options

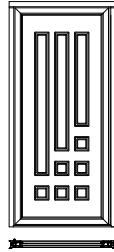
Geometric



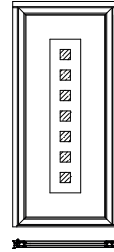
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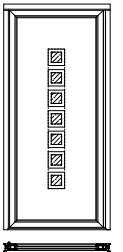
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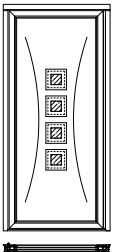
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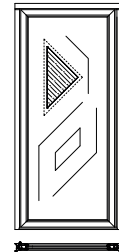
GE 04



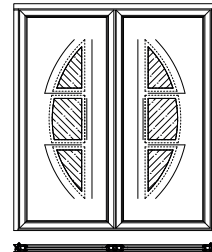
GE 04



SE 06



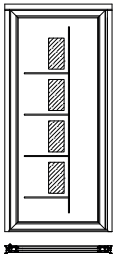
GE 07



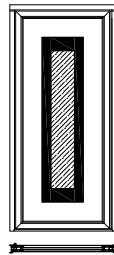
Contemporary



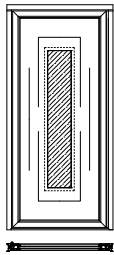
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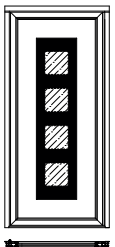
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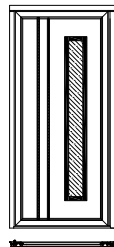
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CO 04



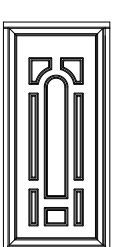
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CO 06



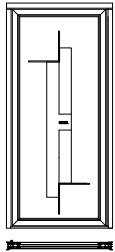
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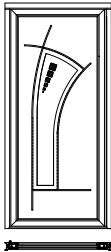
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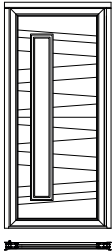
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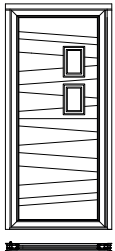
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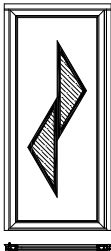
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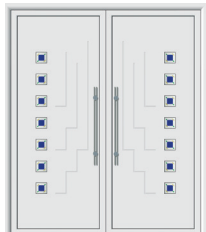
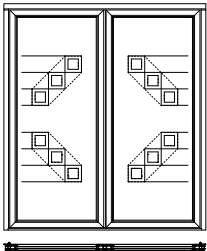
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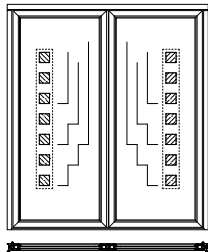
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ST 06



ST 07



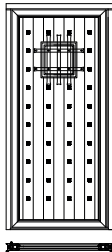
Traditional



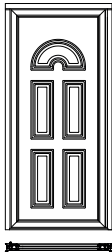
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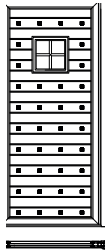
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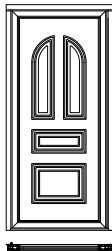
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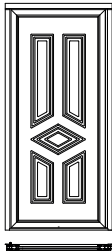
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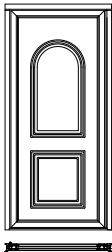
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TR 06



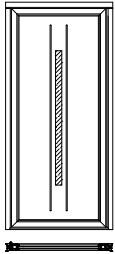
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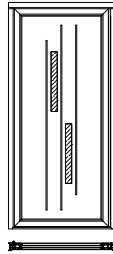
Seamless



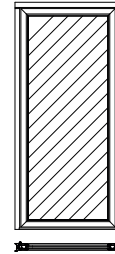
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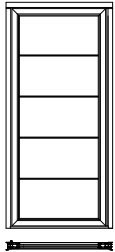
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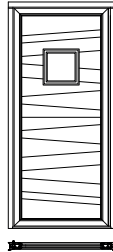
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SE 04



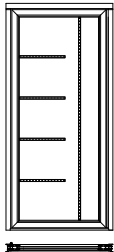
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SE 06

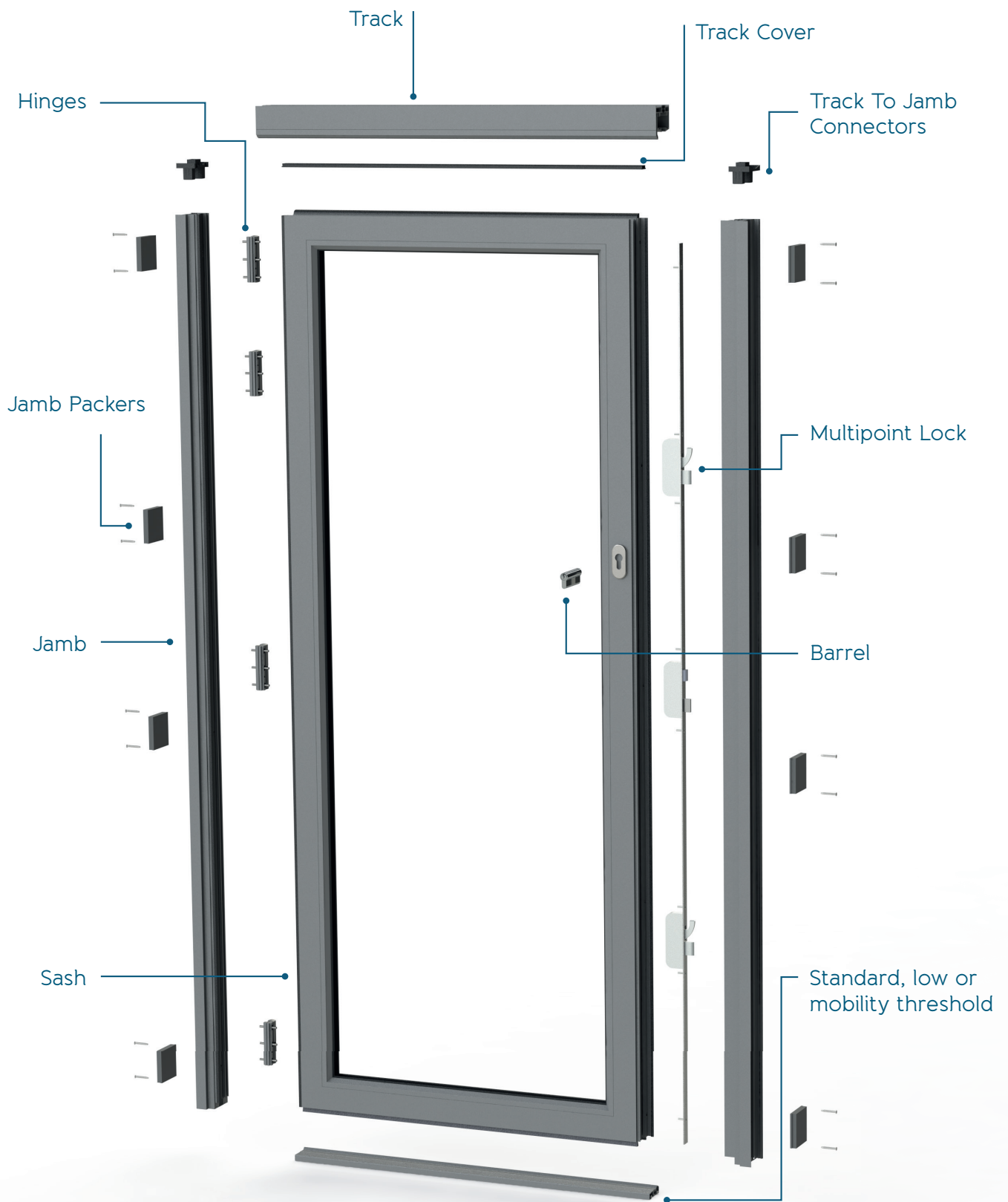


SE 07



Smaller panels are available for side lights. Size and style limitations apply

Residential Door Make-Up



Performance & Limitations

Origin Thermal Ratings

Origin Residential Door Double Glazed	1.6 W/(m2K)
Origin Residential Door Triple Glazed (with krypton)	1.3 W/(m2K)
Origin Residential Door Triple Glazed (with argon)	1.5 W/(m2K)
Origin Residential Door with Panel	TBC after launch

Size limitations

	Width	Height
Minimum and Maximum Dimensions:		
Single door:	Min W 400mm Max W 1130mm	Max H 2700mm
Minimum and Maximum Dimensions:		
French door:	Max W 2500mm	Max H 2650mm

Weather Rating (standard threshold)

Air Permeability	Class 4
Water Tightness	Class 8A
Resistance to Wind Load	Class A5
Exposure Category	2000

Building Regulation Requirements

New Build and Extensions	2.0 W/(m2K)
Replacements	1.8 W/(m2K)
Energy Rating	E or better

(All doors must conform to these requirements)

Performance Testing

PAS 24 Certified

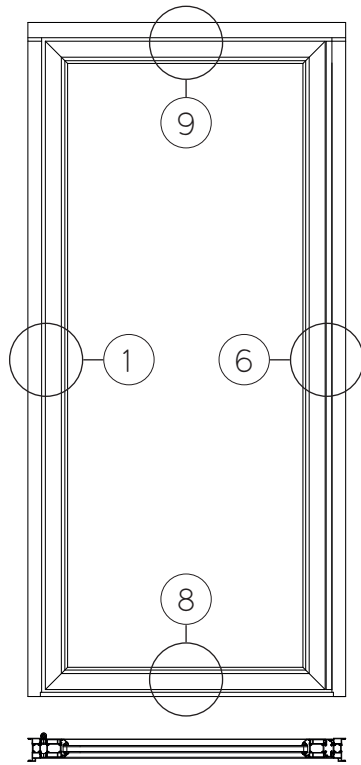
BS6375 Parts 1,2 & 3 Certified

Accreditation

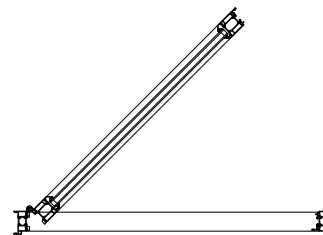
ISO 9001

Master Configurations

Master Configuration Single Residential Door



See Configuration Key for section detail ►

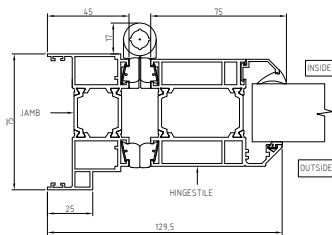


Key features

- Multi multipoint locking system
- 4 security hinges for optimum security
- Door opens in or out
- 35 panel styles

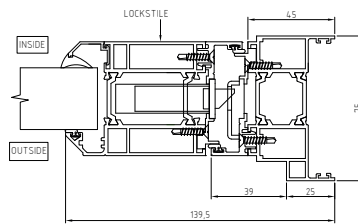
Configuration Key

1 - Hinge Jamb Detail



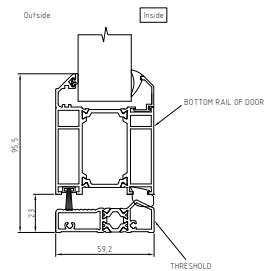
See page 26

6 - Locking Jamb Detail



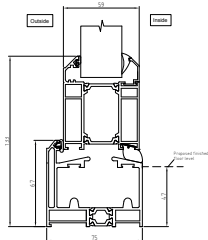
See page 31

8 - Mobility Threshold Detail



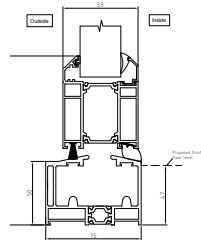
See page 33

8a - Weathered Threshold Detail



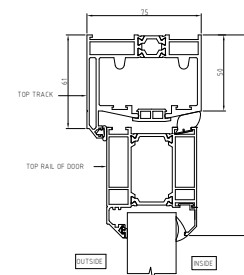
See page 34

8b - Non-weathered Threshold Detail



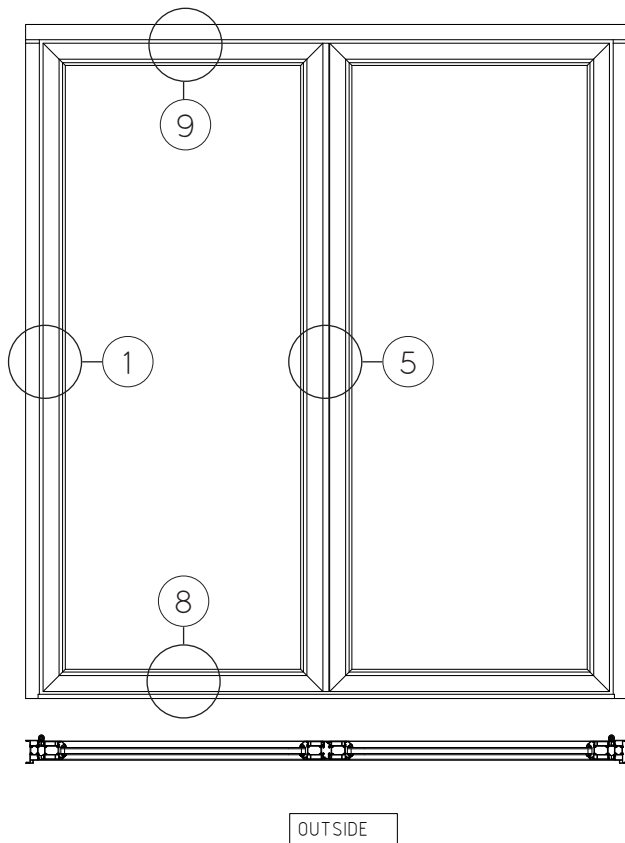
See page 35

9 - Top Track Detail

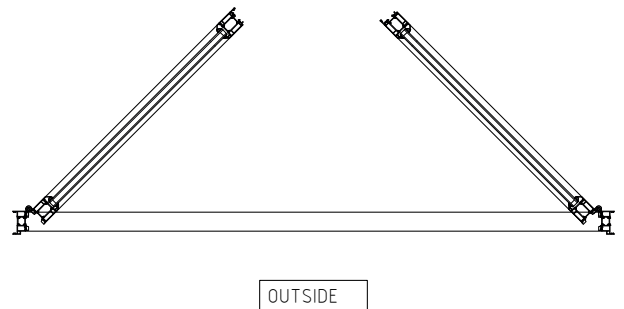


See page 37

Master Configuration French door



See Configuration Key for section detail ►

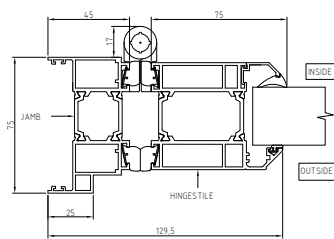


Key features

- Origin multipoint locking system
- Works as a French door
- Door opens in or out
- 35 panel styles

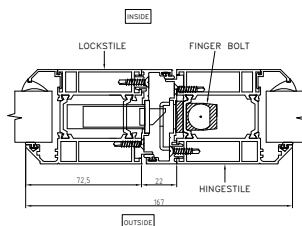
Configuration Key

1 - Hinge Jamb Detail



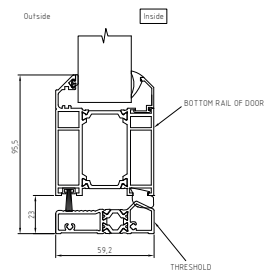
See page 26

5 - Sash to Sash Locking Detail



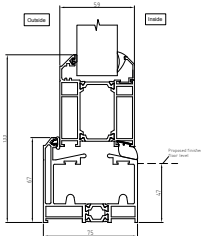
See page 30

8 - Mobility Threshold Detail



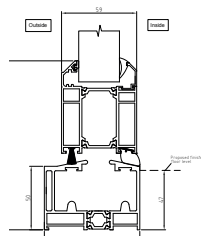
See page 33

8a - Weathered Threshold Detail*



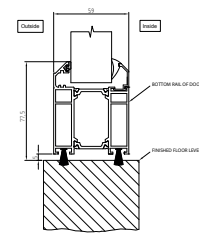
See page 34

8b - Non-weathered Threshold Detail*



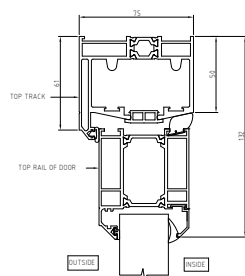
See page 35

8c - No Threshold Detail (Garage doors only)



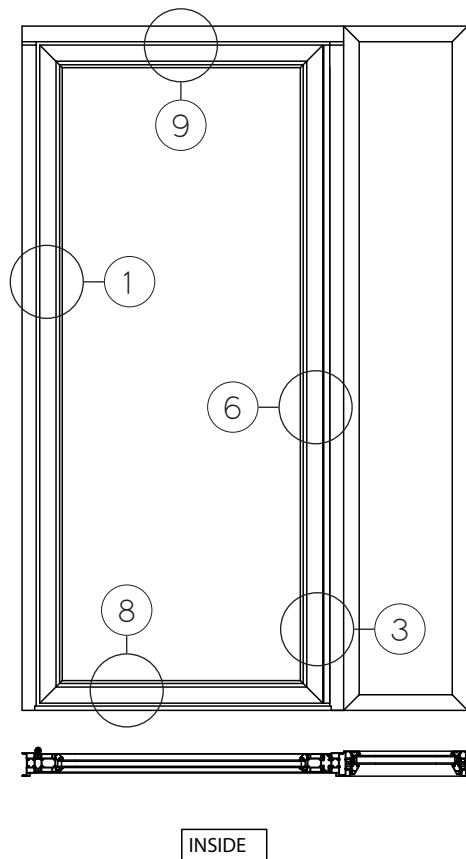
See page 36

9 - Top Track Detail

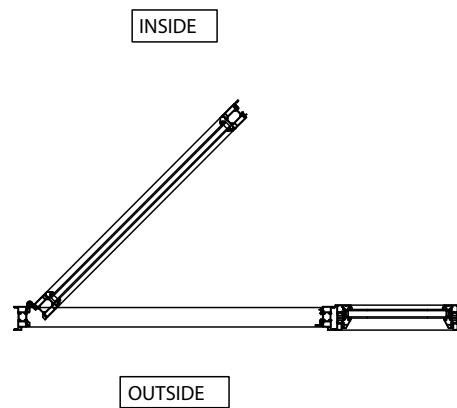


See page 37

Master Configuration Door to Sidelight



See Configuration Key for section detail ▶

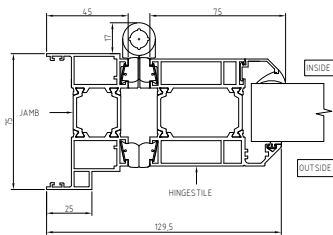


Key features

- ▶ Origin multipoint locking system
- ▶ Door to window coupling
- ▶ Windows can be glazed with 28 & 44mm glass units
- ▶ Matching decorative side panels available

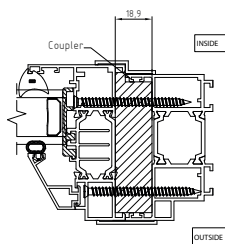
Configuration Key

1 - Hinge Jamb Detail



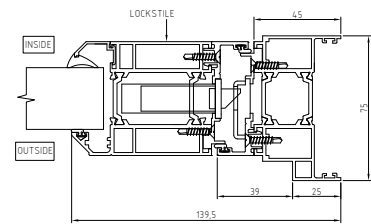
See page 26

3 - Window to Door Jamb Coupler detail



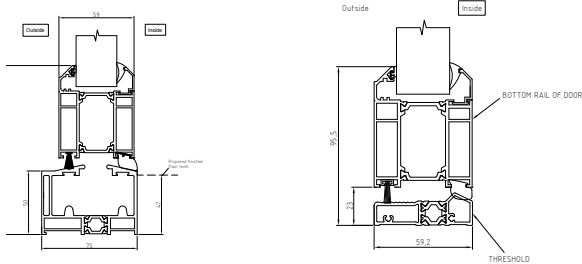
See page 28

6 - Locking Jamb Detail



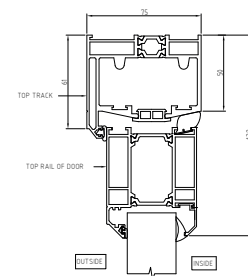
See page 31

8, 8b - Mobility threshold and Non weathered threshold details



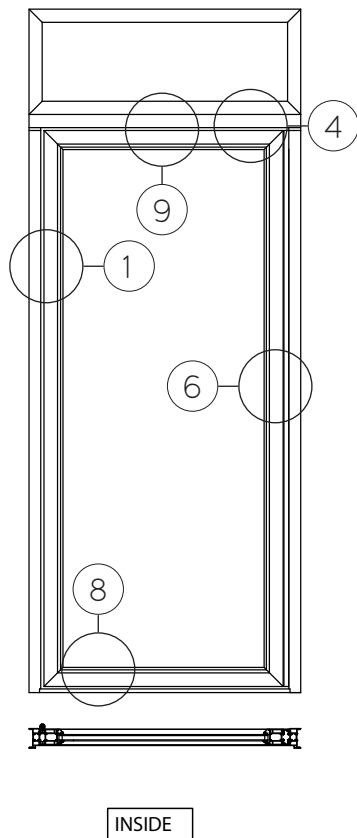
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9 - Top Track Detail

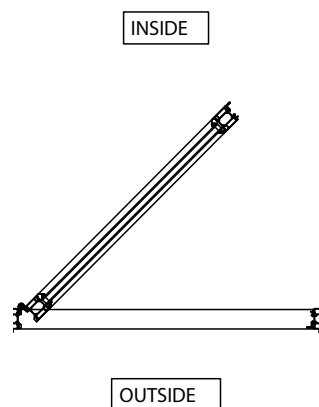


See page 37

Master Configuration Door to Transom



See Configuration Key for section detail ►

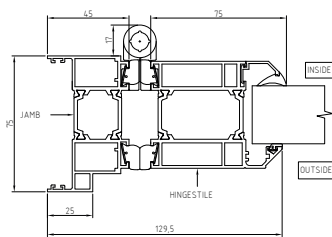


Key features

- Origin multipoint locking system
- Door to window coupling
- Windows can be glazed with 28 & 44mm glass units
- Matching decorative side panels available

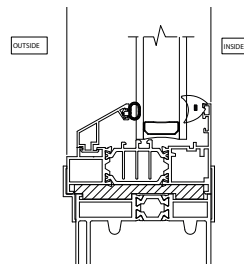
Configuration Key

1 - Hinge Jamb Detail



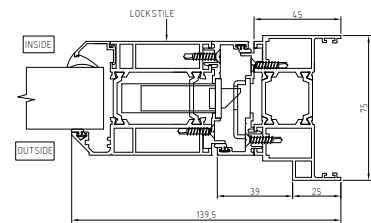
See page 26

4 - Window to Track Coupler detail



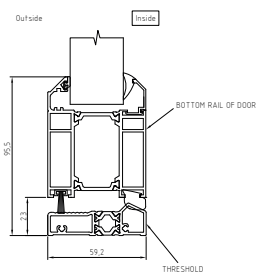
See page 29

6 - Locking Jamb Detail



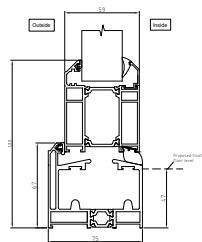
See page 31

8 - Mobility Threshold Detail



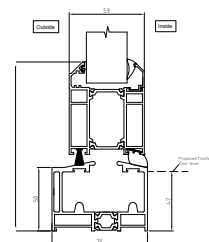
See page 33

8a - Weathered Threshold Detail



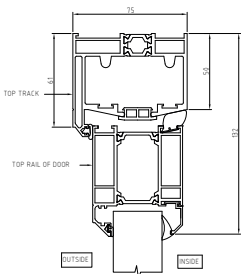
See page 34

8b - Non-weathered Threshold Detail



See page 35

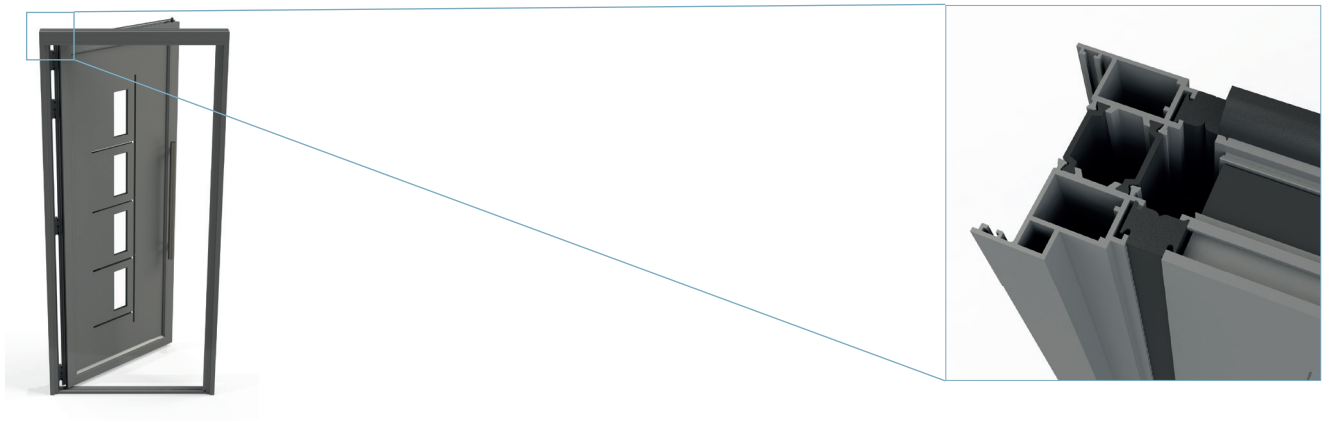
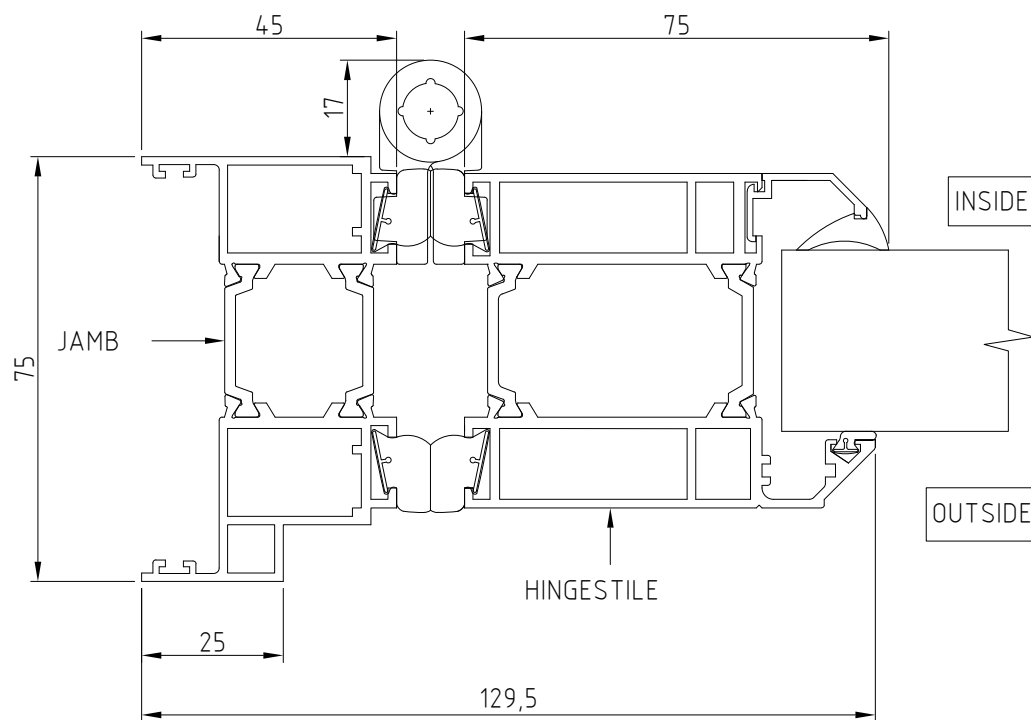
9 - Top Track Detail



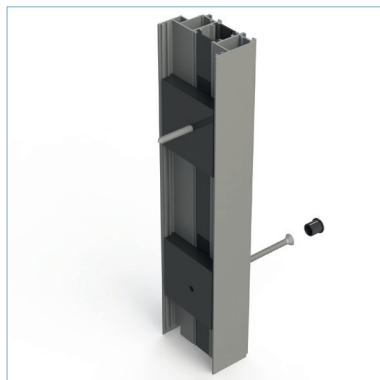
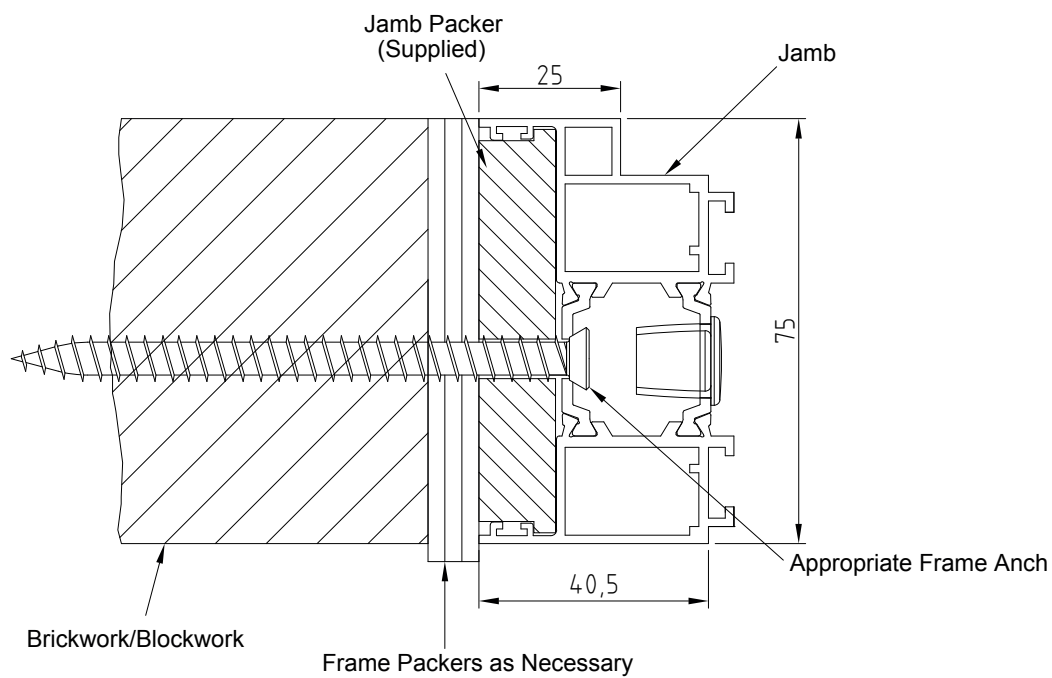
See page 37

Technical drawings

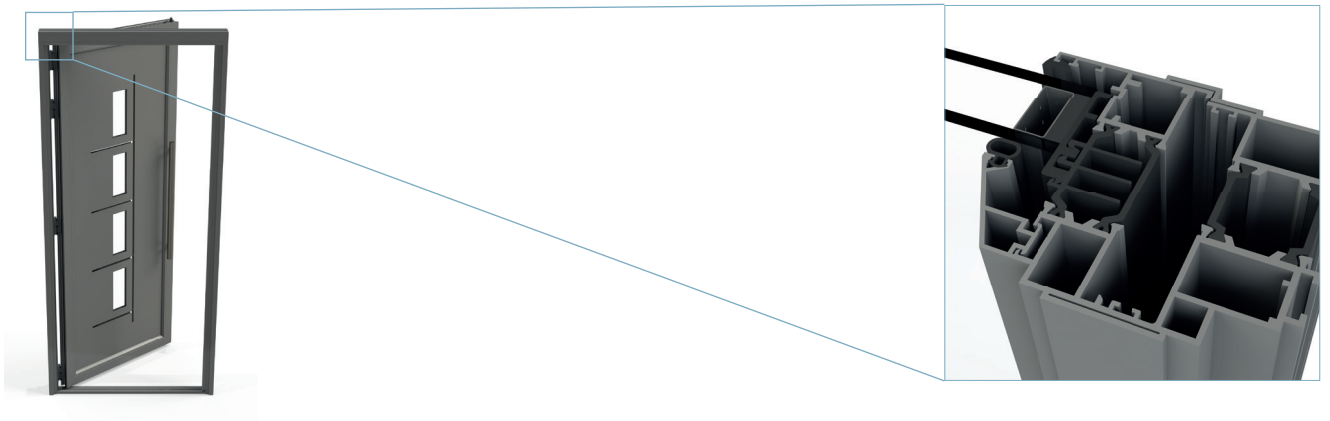
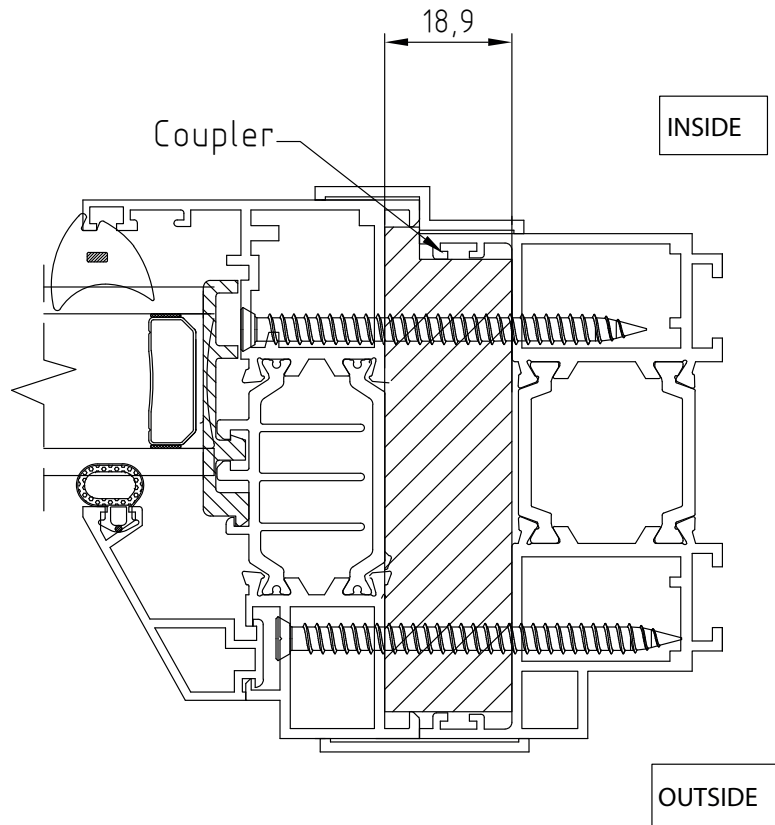
1 Hinge Jamb Detail



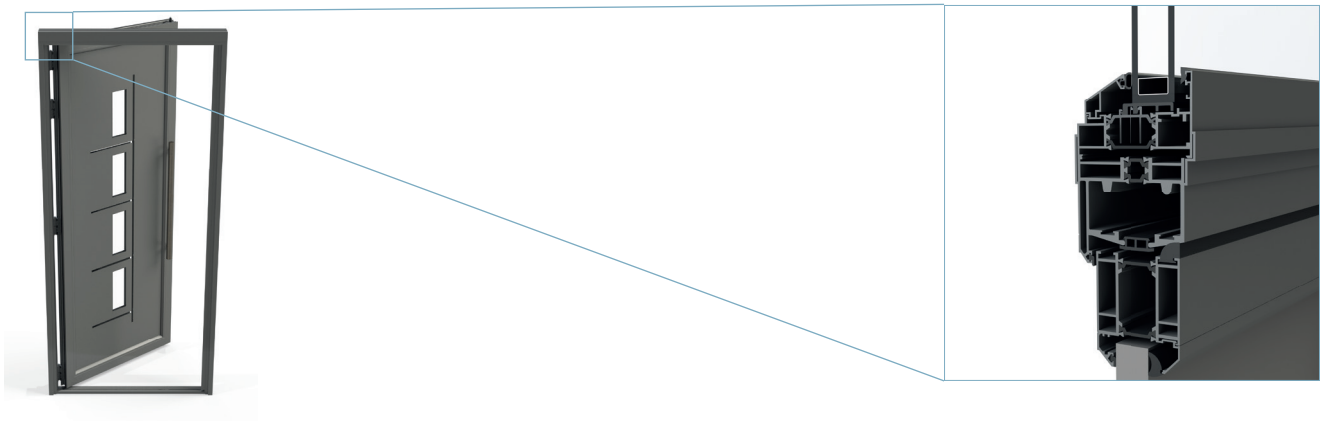
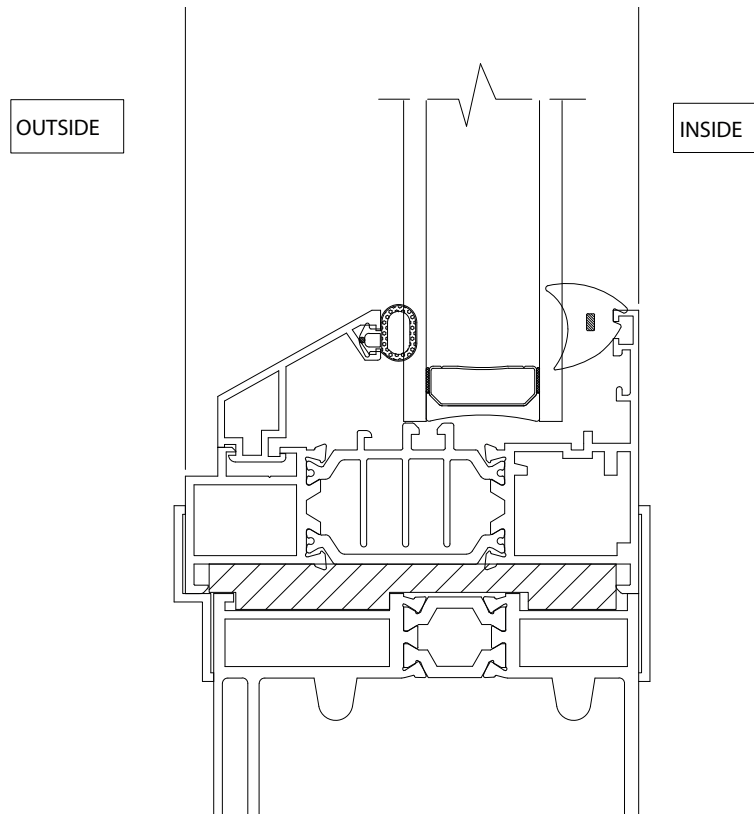
2 Jamb Fixing Detail



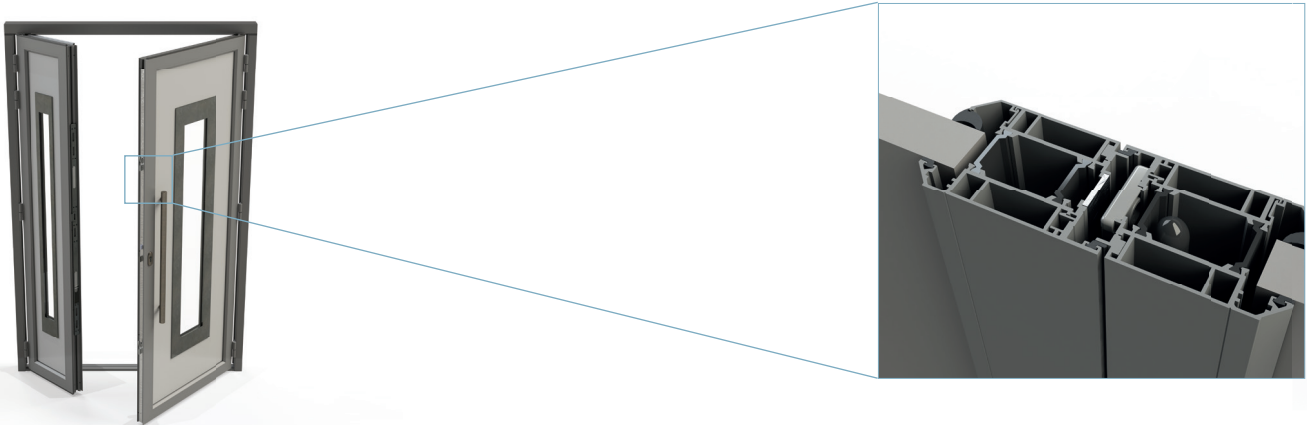
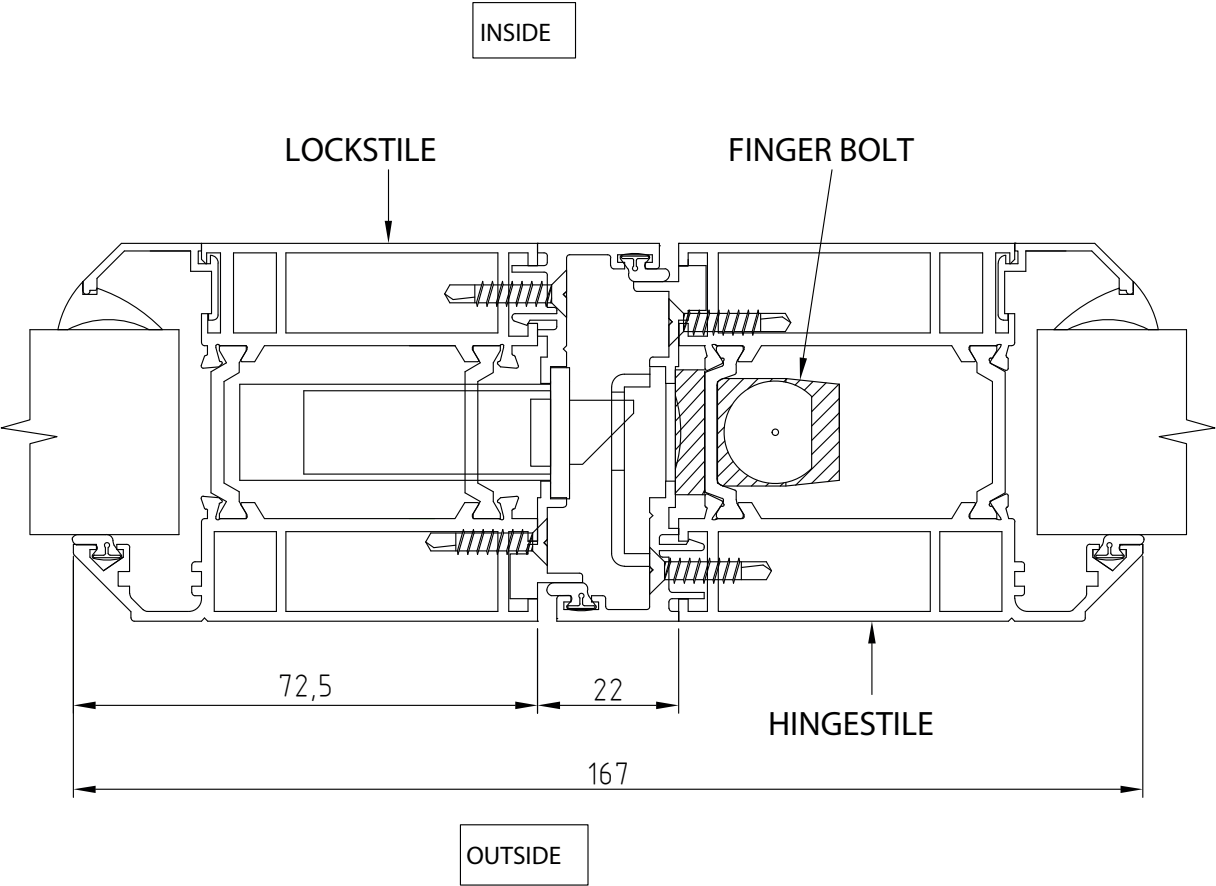
3 Window To Door Jamb Coupler Detail



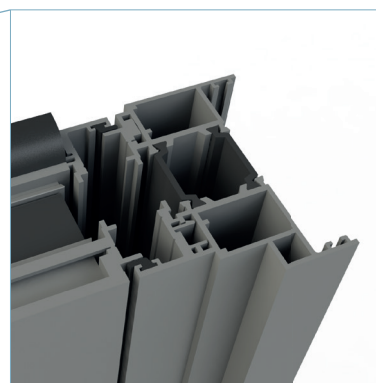
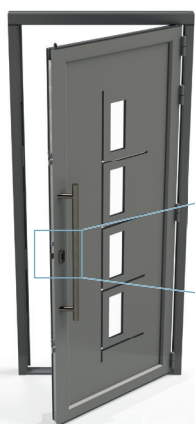
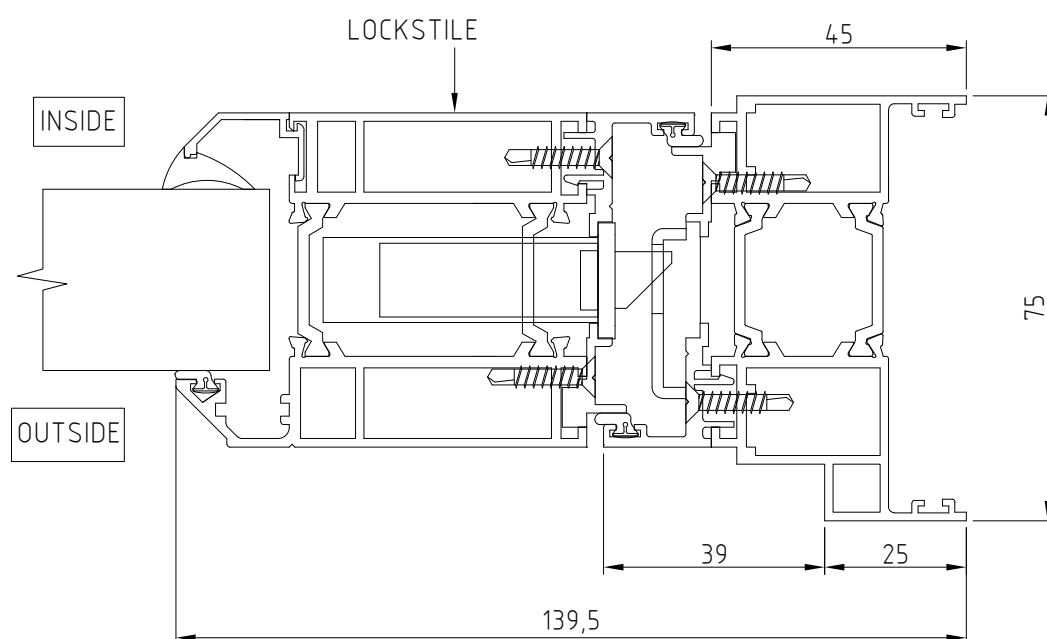
4 Window To Track Coupler Detail



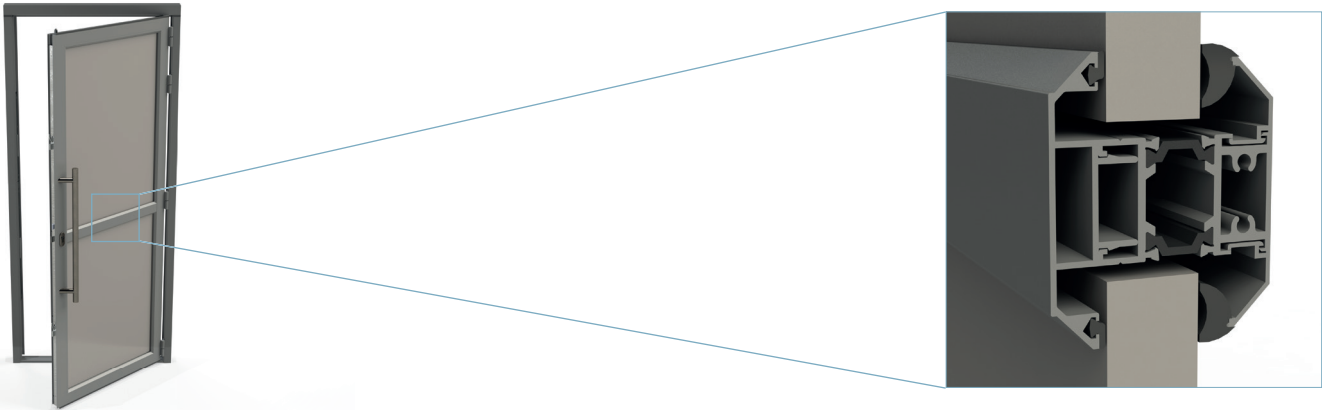
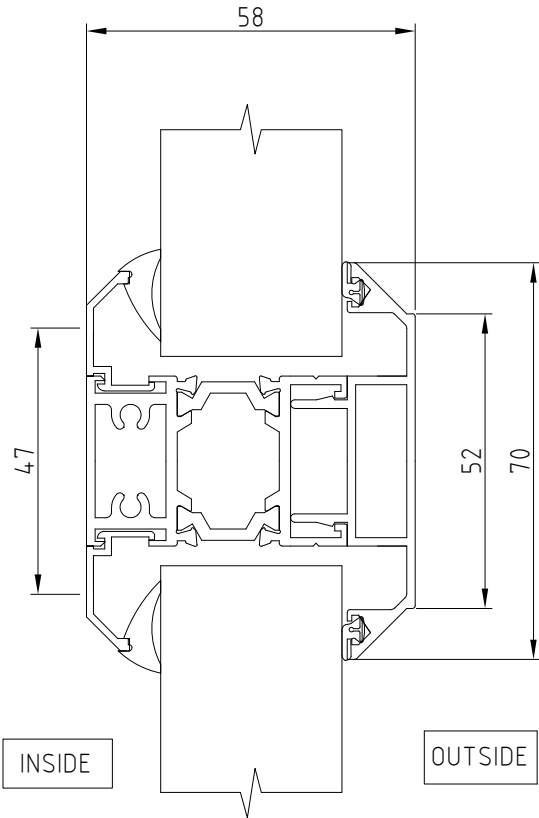
5 Locking Slave Detail



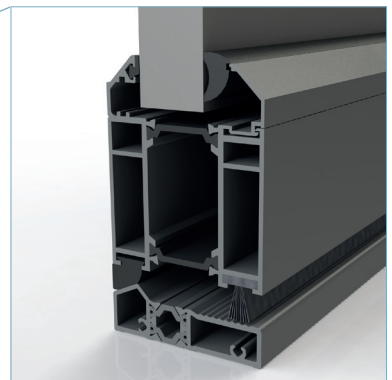
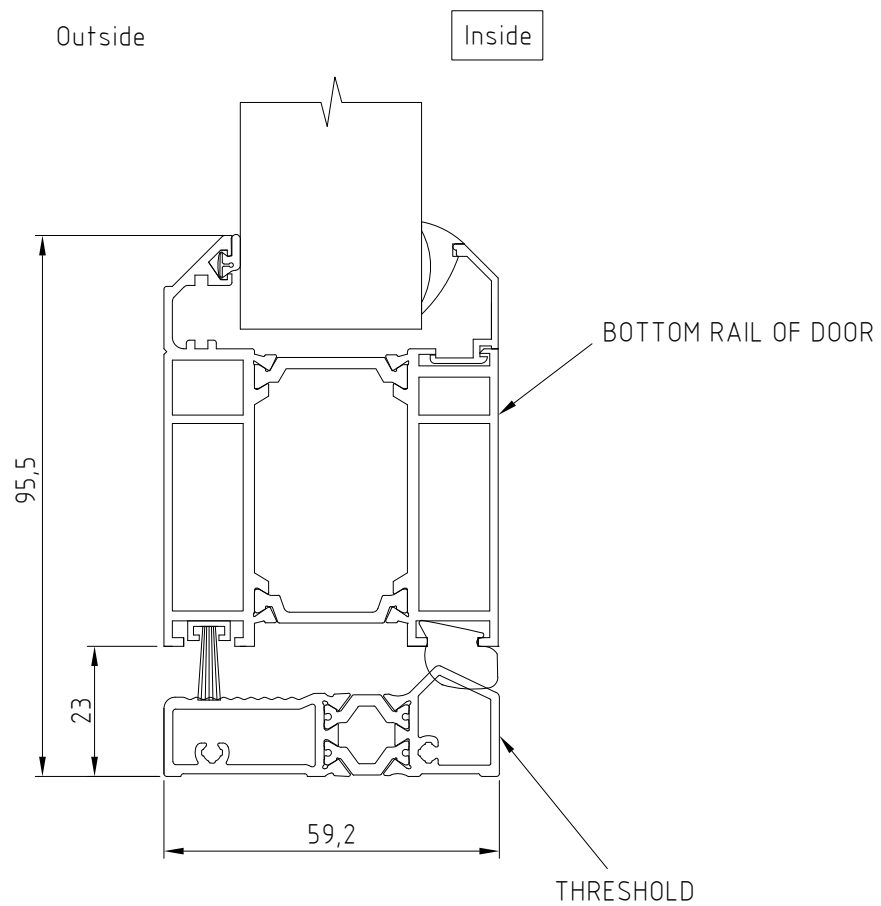
6 Locking Jamb Detail



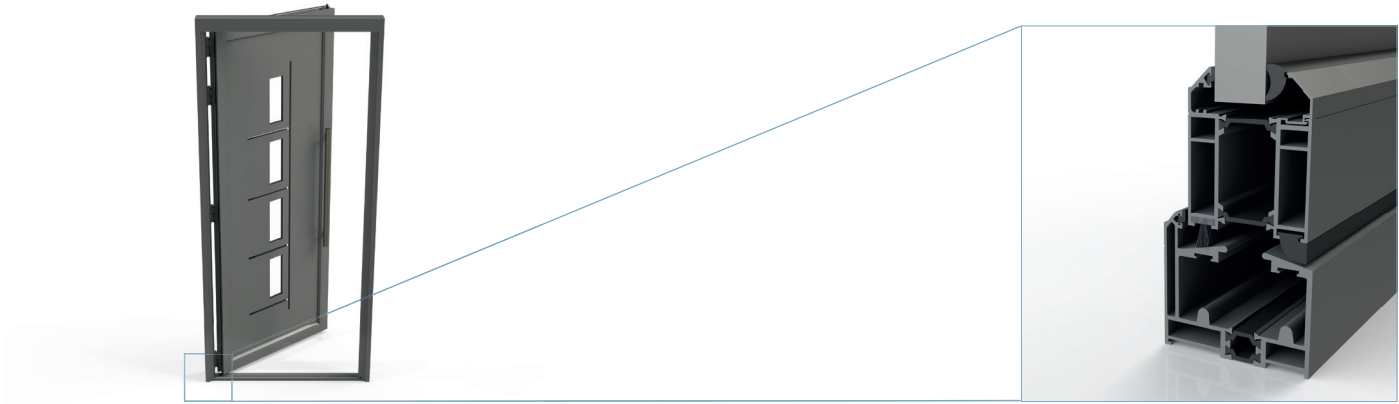
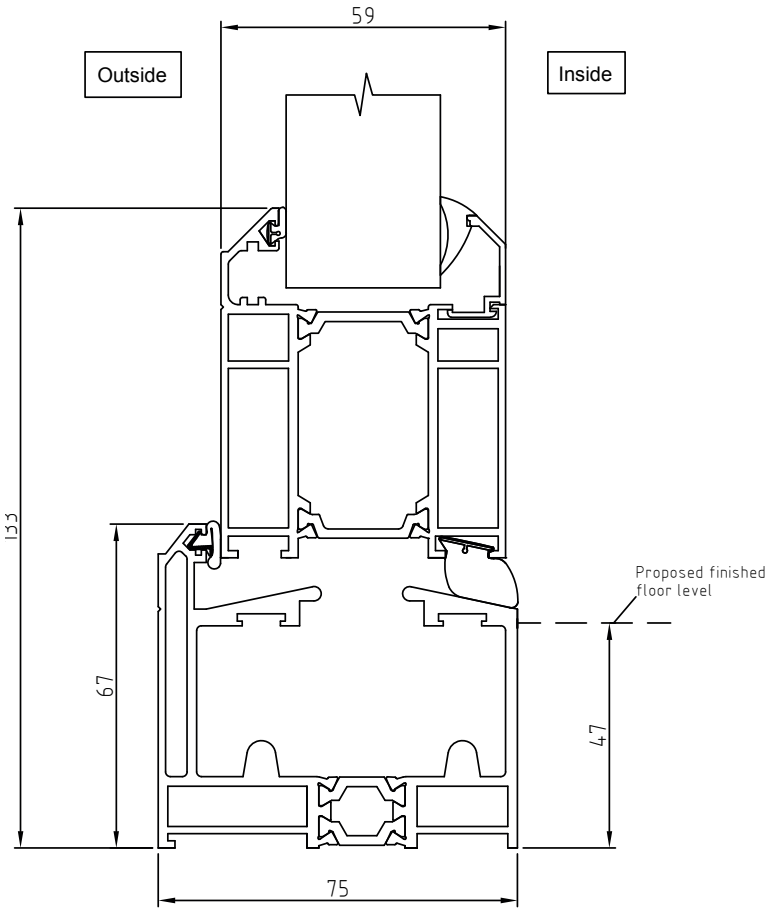
7 Midrail Detail



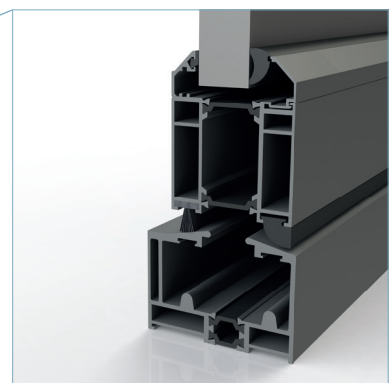
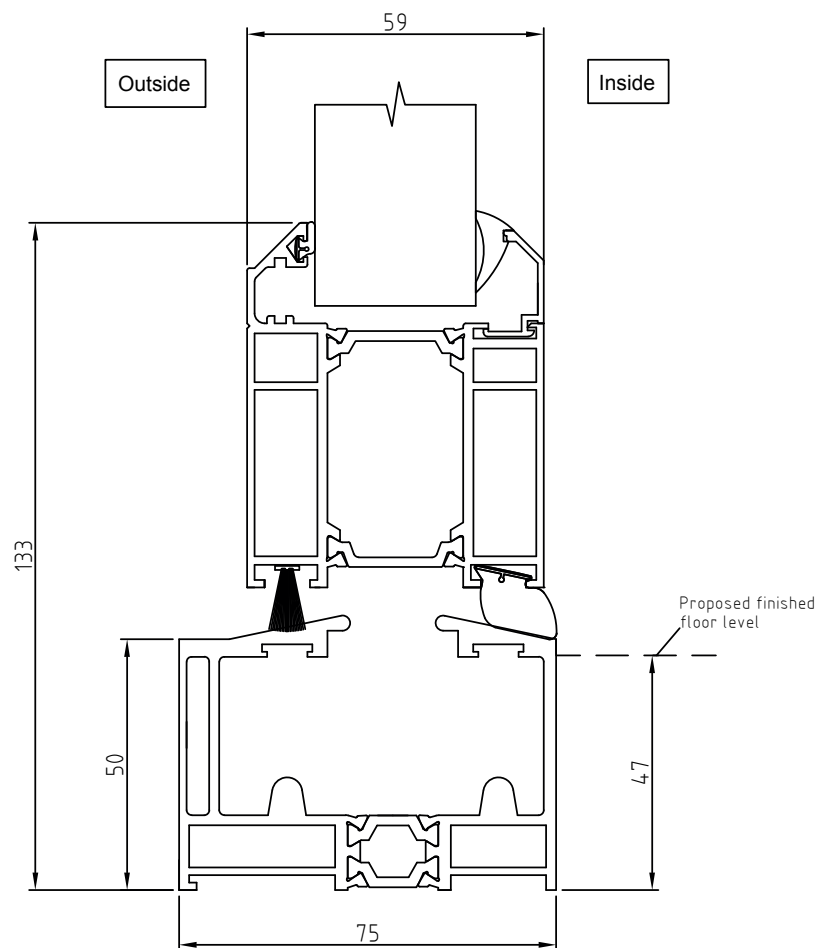
8 Mobility Threshold Detail



8a Weathered Threshold Detail

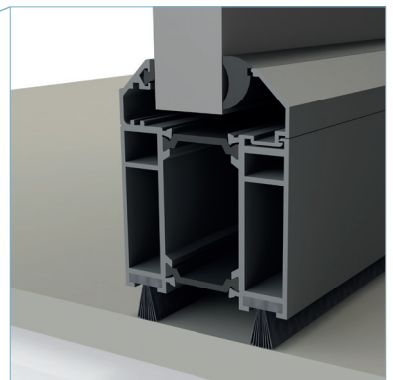
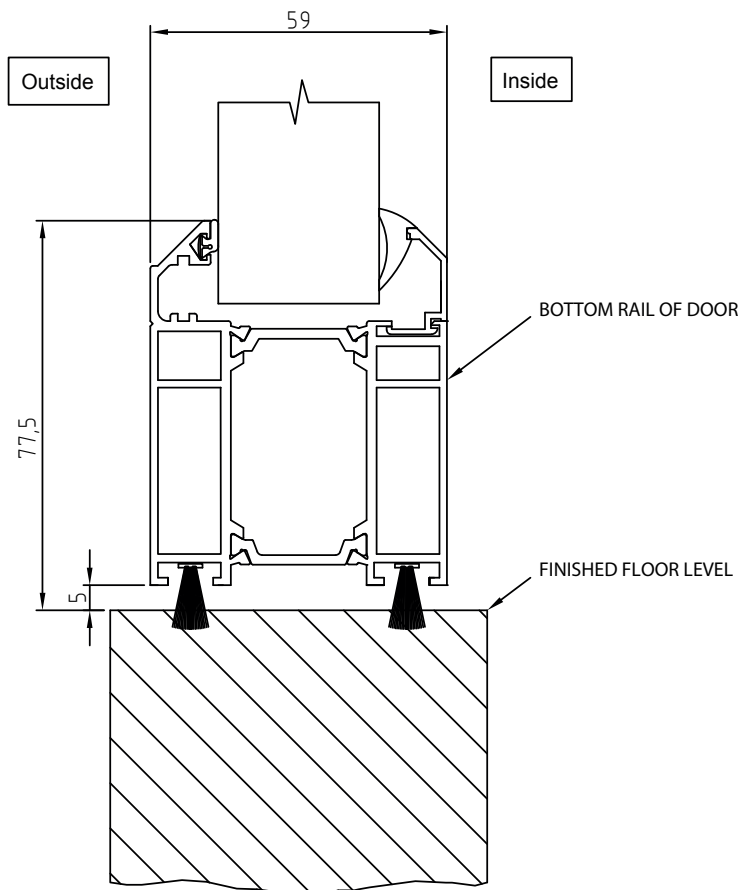


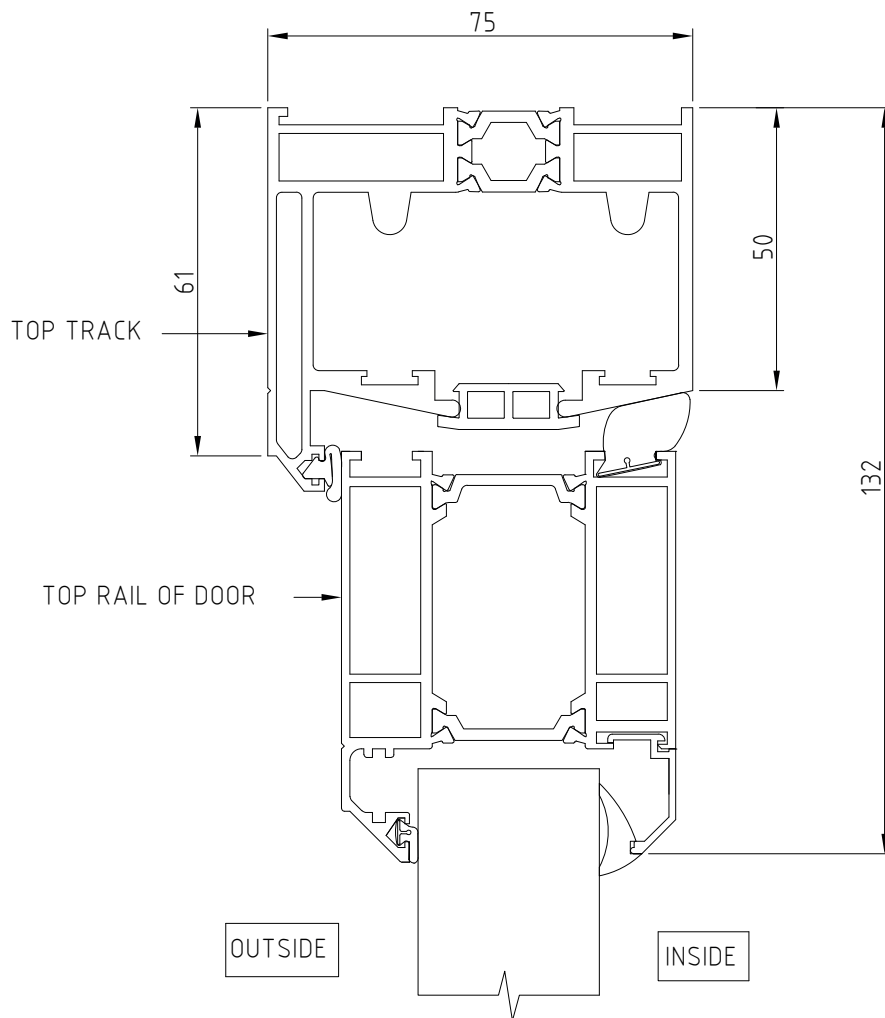
8b Non Weathered Threshold Detail



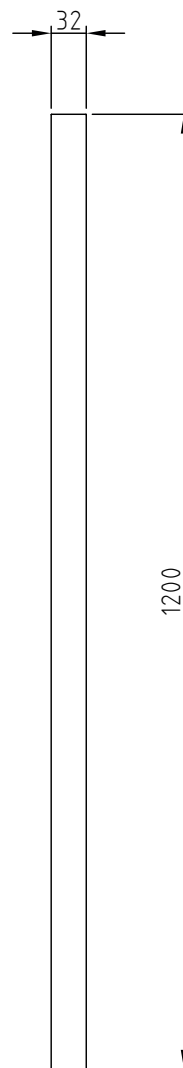
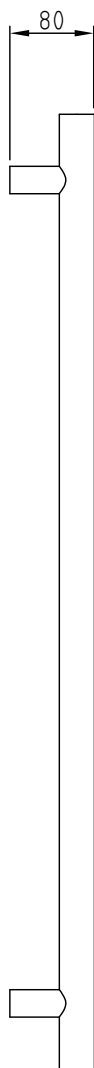
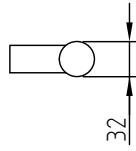
8c No Threshold Detail

(Garage door only)

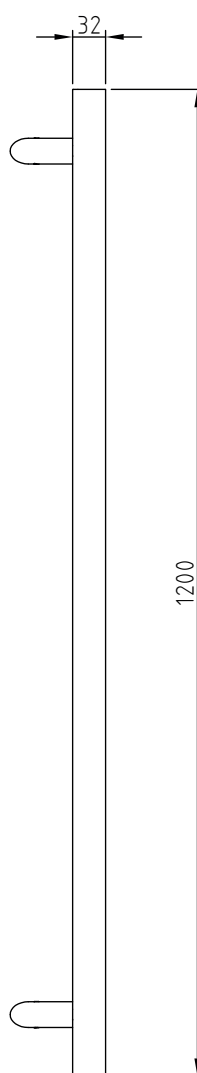
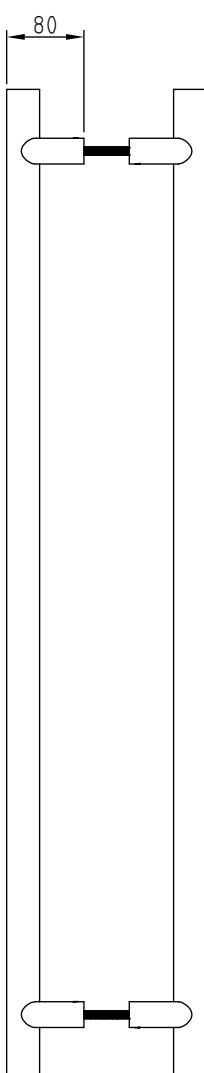
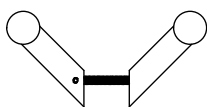




10 Hafi Straight Bar Handle

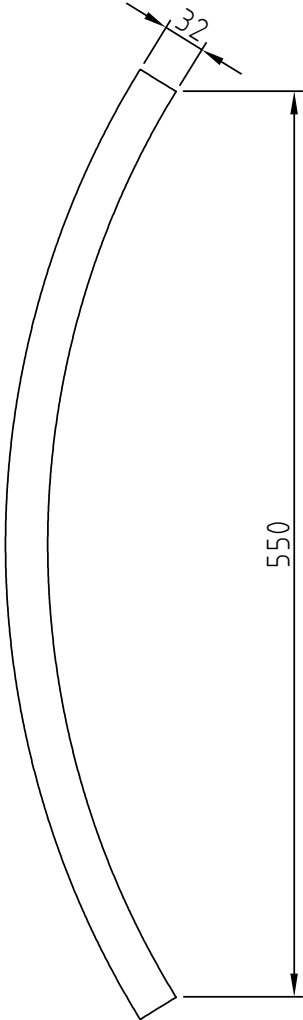
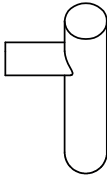


11 Hafli Offset Bar Handle

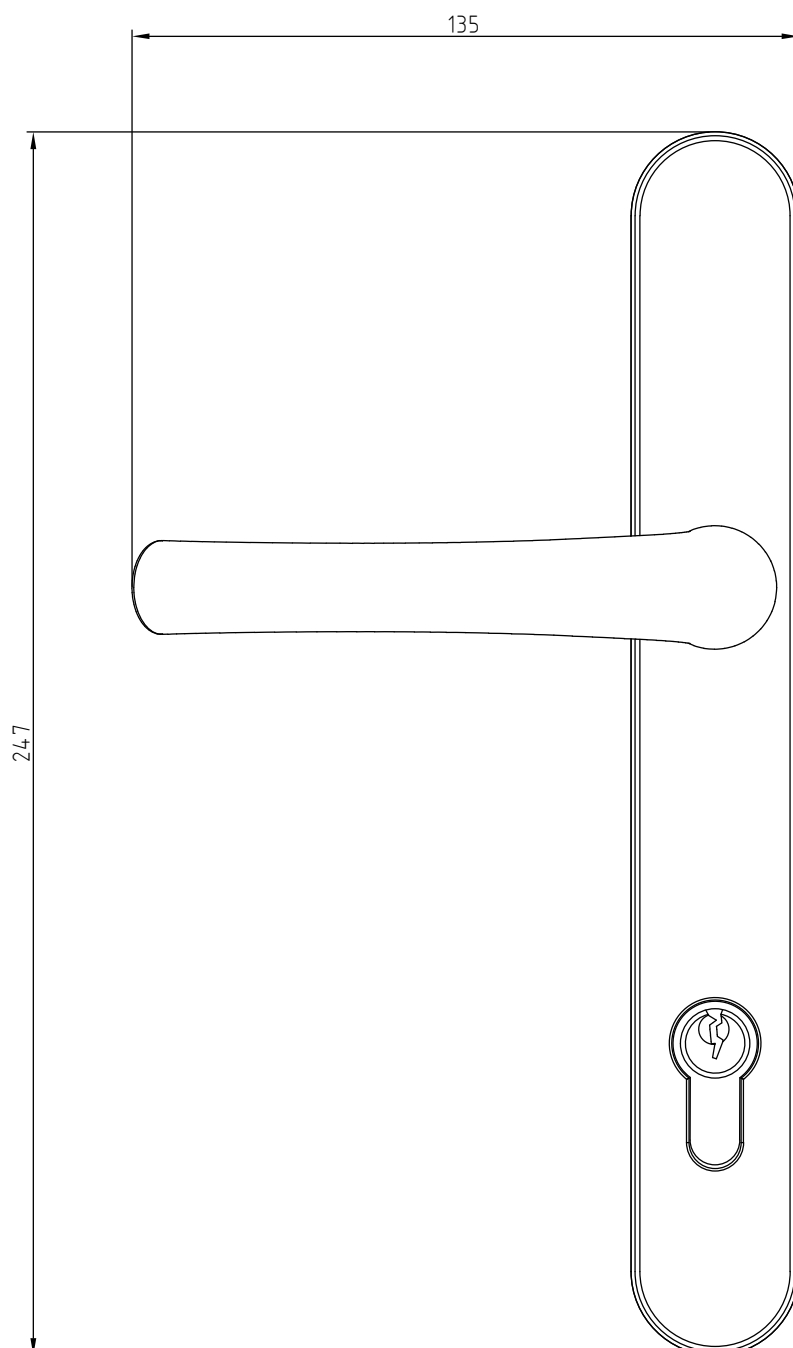


12

Bow Bar Handle



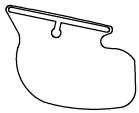
13 Standard Yale Lever Handle



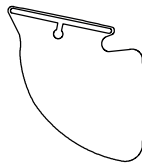
Gaskets

Door Gaskets

QL9135



QL9141



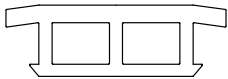
QL4636



QL9257



TRACK GAP
GASKET



BRUSH STRIP 11mm



BRUSH STRIP 13mm



Double Glazing Gaskets 24mm & 28mm

E3434



W474



Triple Glazing Gaskets 32mm

QL4627



W488



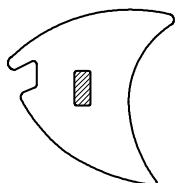
*Available in colours mentioned on page 7

Window Glazing Gaskets

GLAZING REBATE B2018



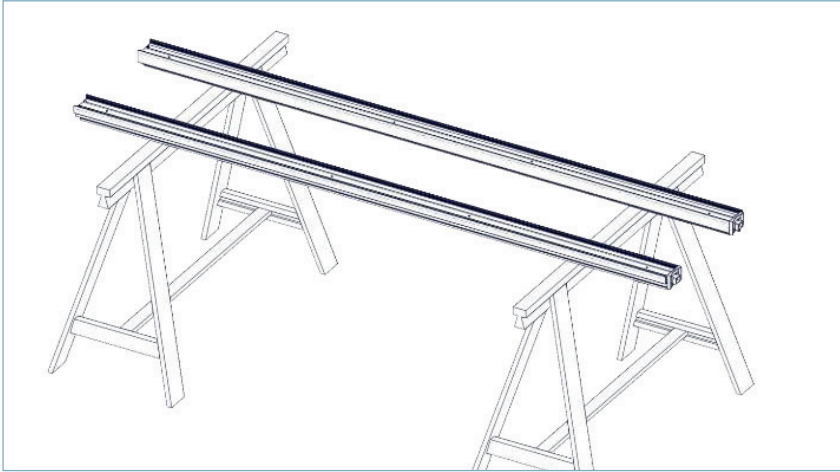
FRAME WEDGE 28MM W473P



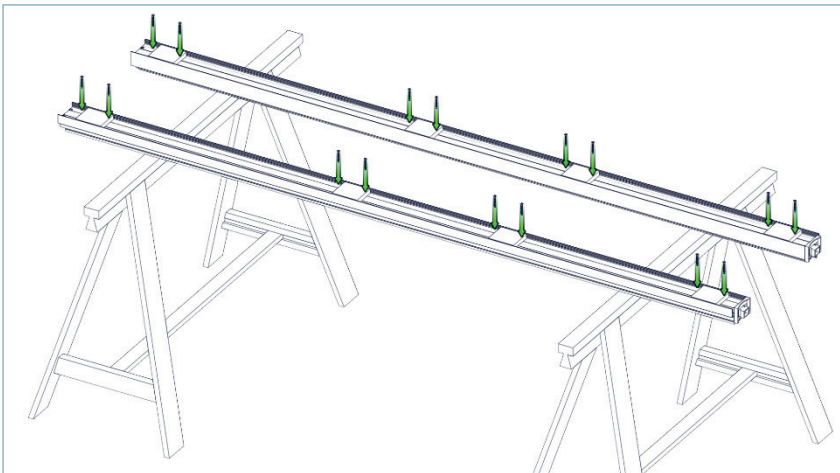
FRAME WEDGE 44MM W474



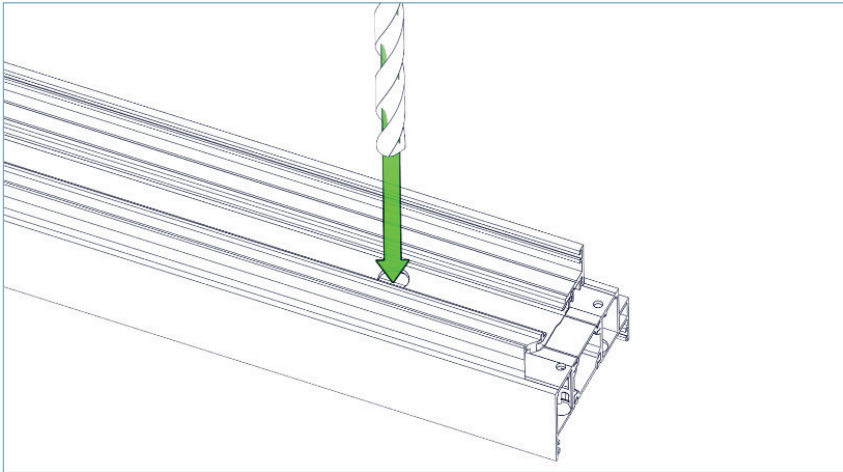
Residential Door Installation Guide



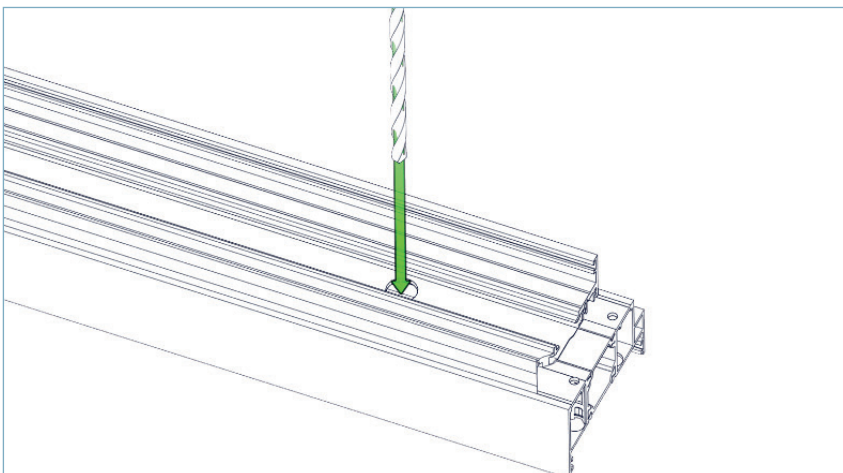
1. Lay jambs on a flat surface, preferably a pair of trestles.



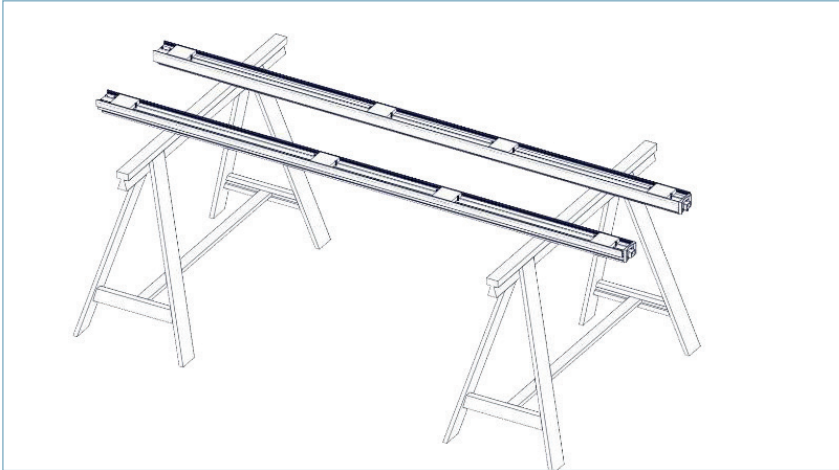
2. Secure the jamb packers using a 25mm self-tapping screw either side. Ensure each of the jamb packers are positioned and secured correctly. Make sure you avoid any locking keeps and ensuring you hit the centre of the brick you wish to fix in to.



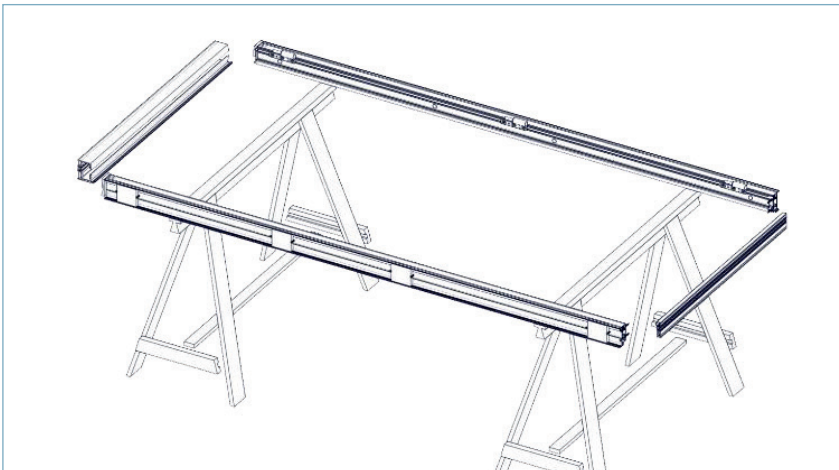
3. From the bottom of the jamb, measure and then drill fixing holes through the first layer of polyamide using a 13mm drill bit. Making sure the hole aligns with the centre of each jamb packer.



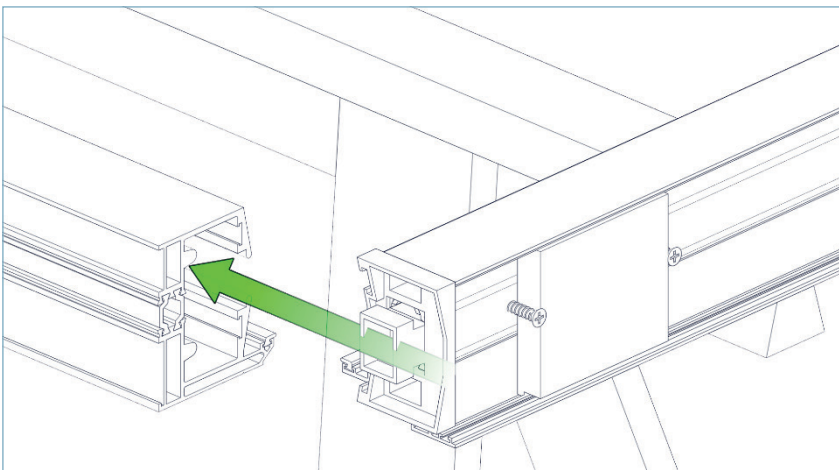
4. Then, through the 13mm hole, drill an 8mm hole through the remaining jamb and jamb packer.



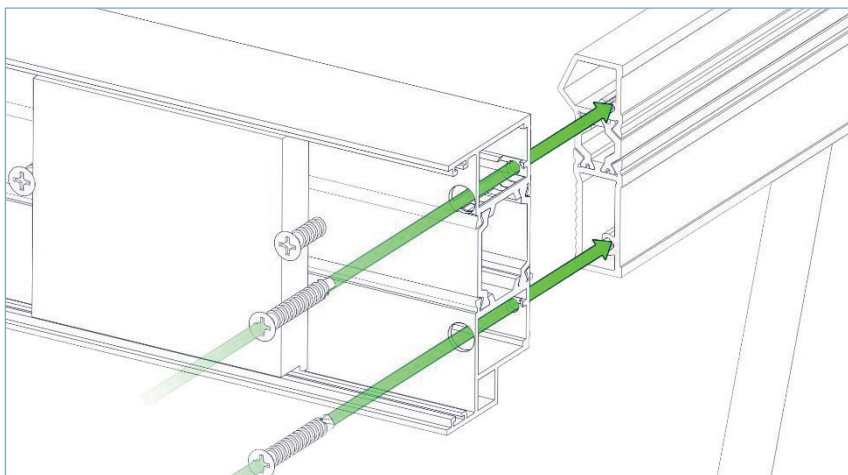
5. The jambs are now prepped and ready for assembly.



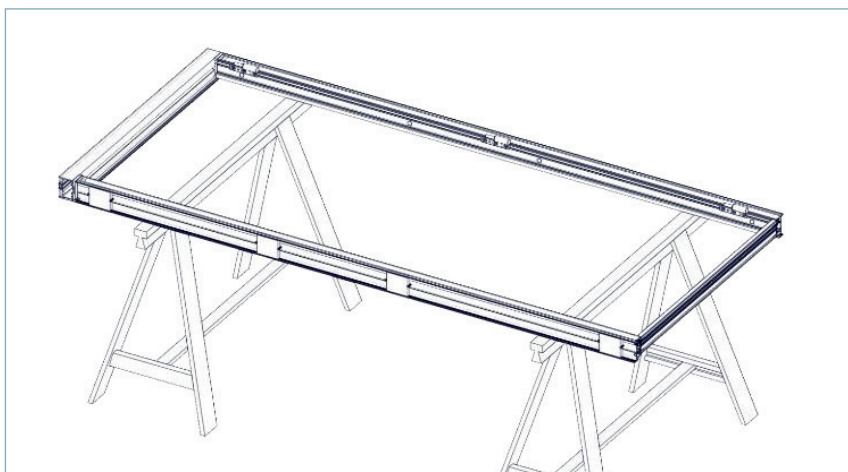
6. Still using the trestles, you now need to assemble the outer frame.



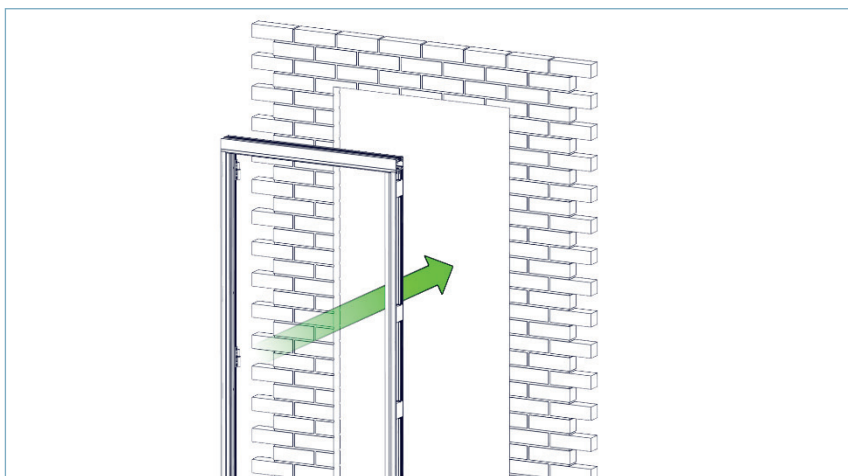
7. Starting with the top, slide the two jambs into the top track.



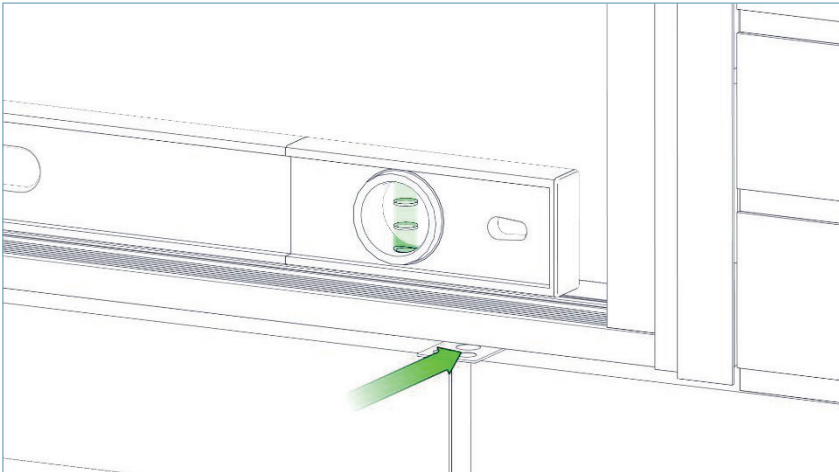
8. Secure the jambs to the threshold using two of the supplied 3.5mm screws. Seal the mating faces with silicone.



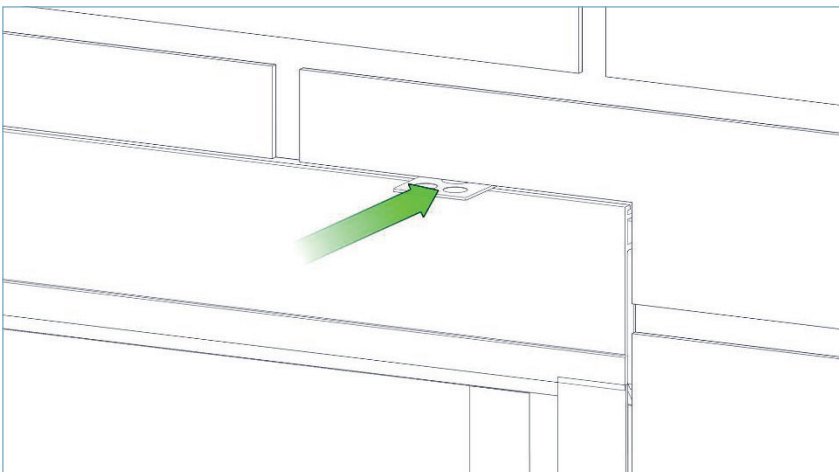
9. The outer frame should now be assembled and secured together.



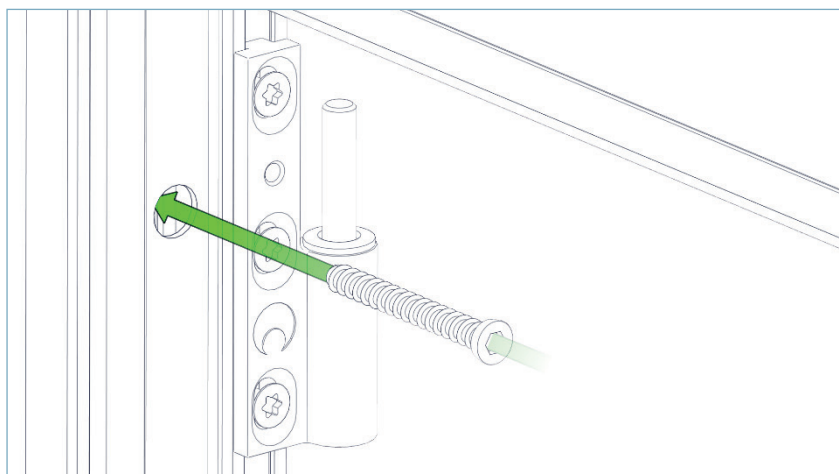
10. Position the outer frame into the opening being careful not to scratch any of the profile



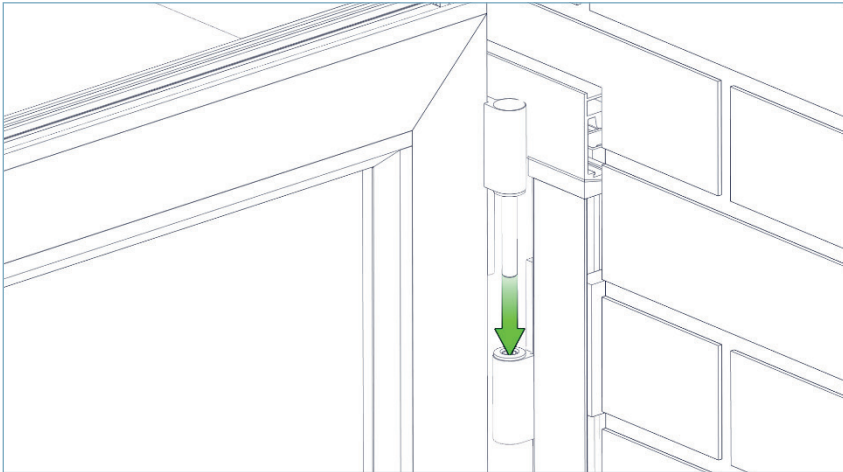
11. First, using frame packers, ensure the threshold is perfectly level.



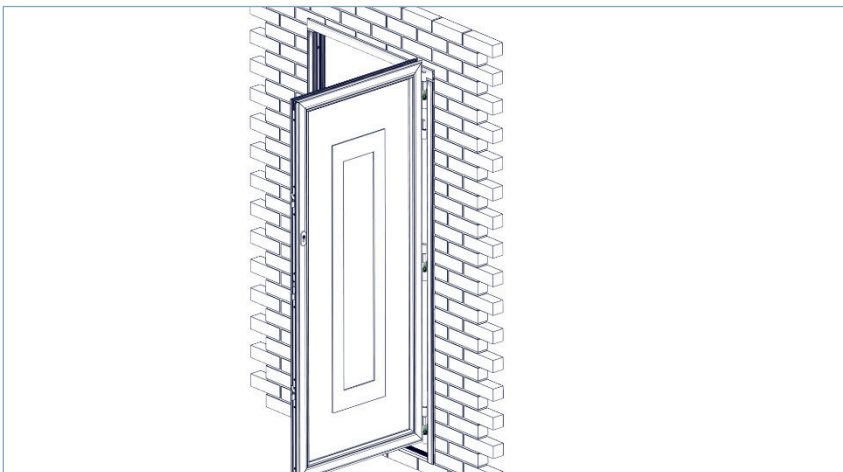
12. When the threshold is perfectly level, pack out the top of the frame using the appropriate packers. Ensure this is tight but not over compressing the jamb to track connectors.



13. Starting with the hinge side, pack out the jamb so it is perfectly level and secure through the fixing holes prepared earlier using appropriate fixings.



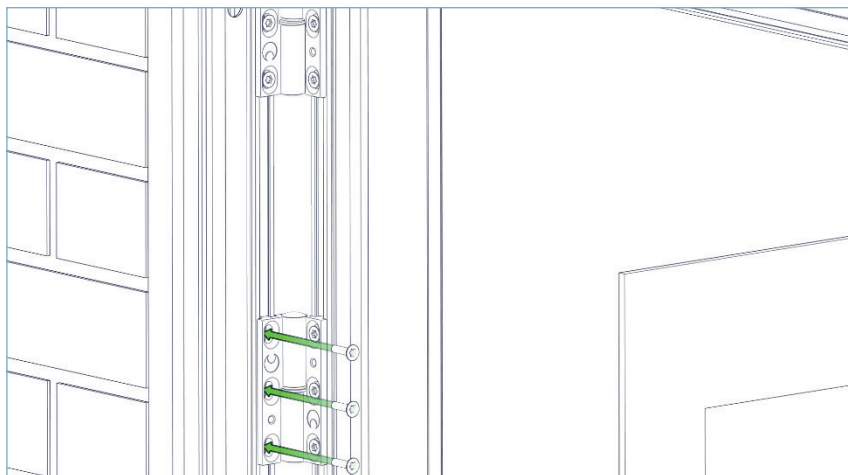
14. Once the jambs are securely fixed into place, carefully unwrap the sash and lift onto the jamb using the hinge pins to locate it.



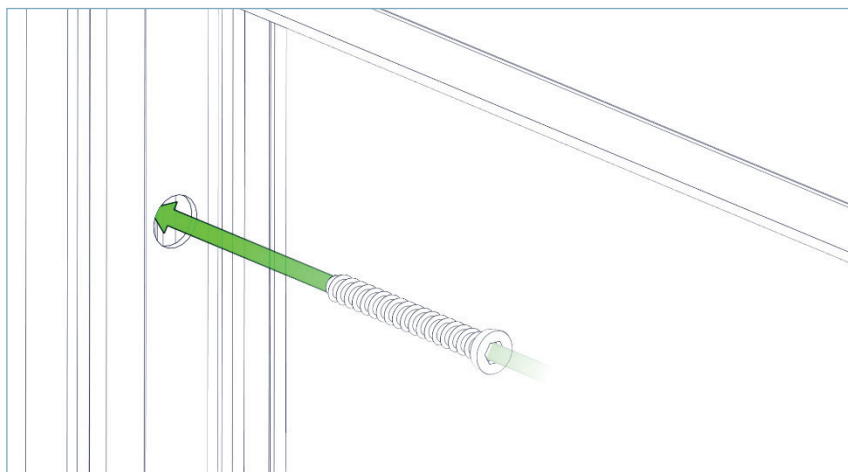
15. Check all the hinge pins are correctly engaged in the hinges.



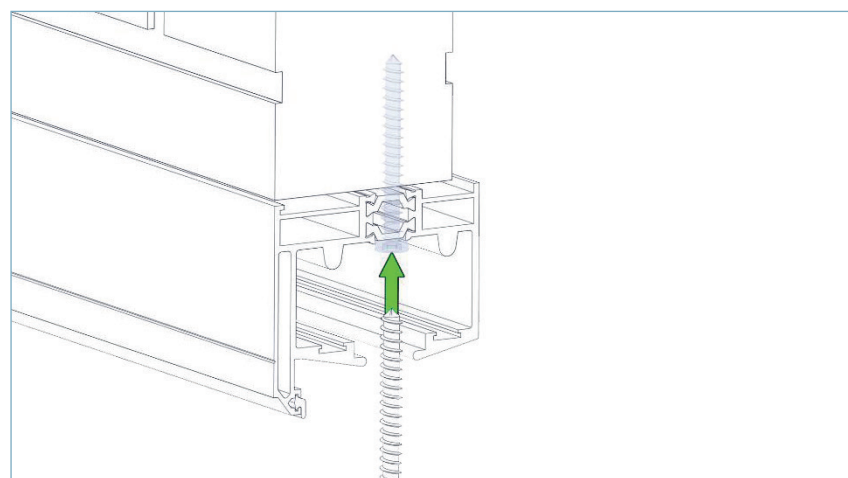
16. Find the separately provided hinge leaf and slide onto the exposed hinge pin.



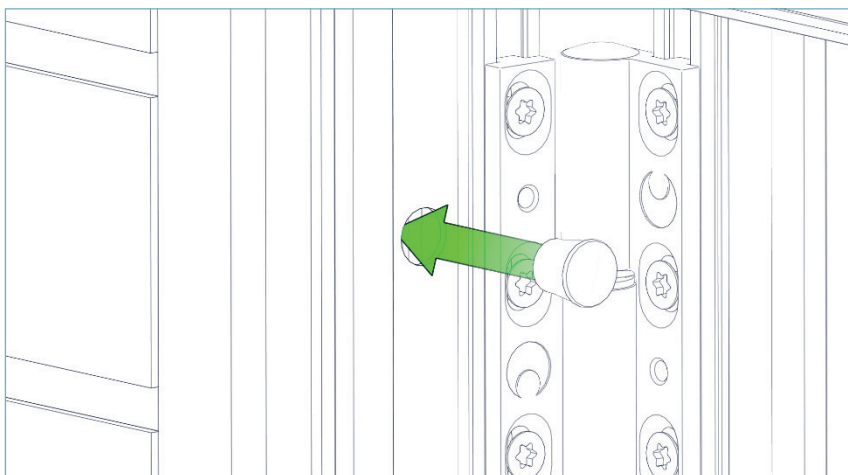
17. Carefully secure the hinge leaf to the jamb using the provided screws.



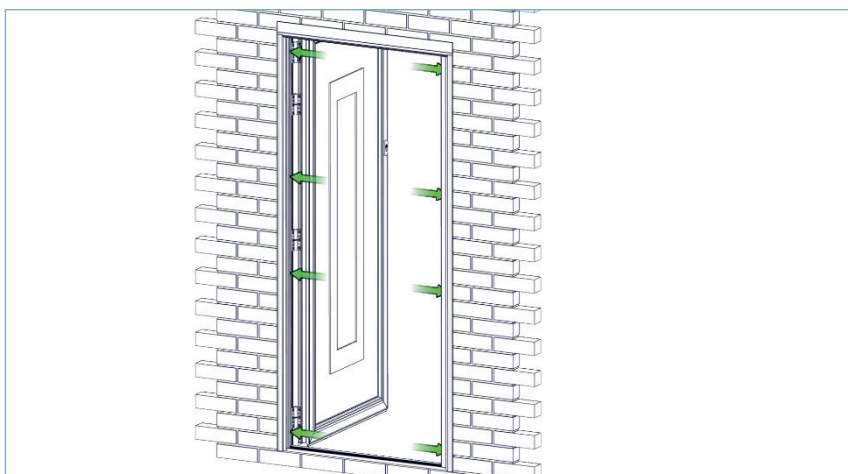
18. Using the door as a gauge, ensure the locking jamb runs parallel to the edge of the door with the correct spacing (approximately 4mm). Once this is achieved, pack out the jamb and secure using appropriate fixings.



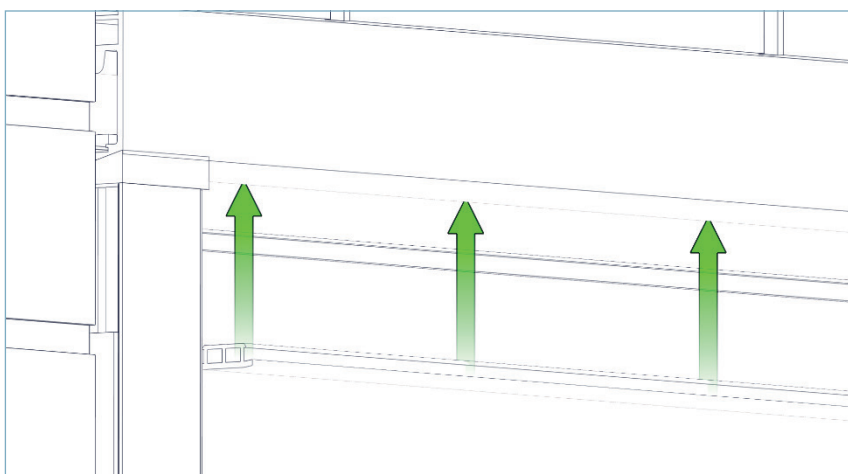
19. Using appropriate fixings, secure the top track through the polyamides. Fixings should be positioned approximately 150mm in from each jamb and no more than 600mm thereafter.



20. Insert the fixing plugs to cover up the fixing holes in the jambs.



21. Ensure they are all covered.



22. Insert the track gap gasket in to the bottom edge of the track.

Notes

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Notes

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