



origin  
DOORS AND WINDOWS

# Patio Slider (OS-29, OS-44 & OS-77) Specification Guide



# Contents

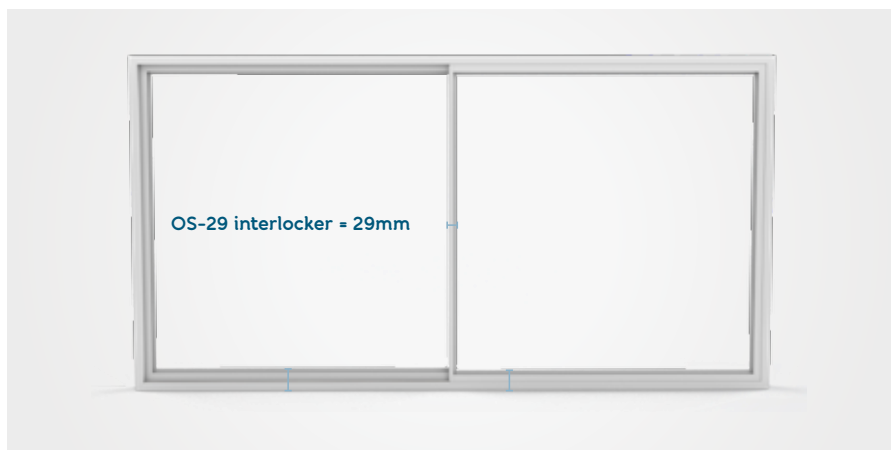
Specification Overview	03
Security	06
Optional Extras	07
Patio Slider Make-Up	09
Size Limitations	10
Performance and Limitations	11
Master Configurations	16
Technical Drawings	25
Handles	43
Gaskets	44
All Configurations	45
Installation Guide	48
Accreditations	59

origin

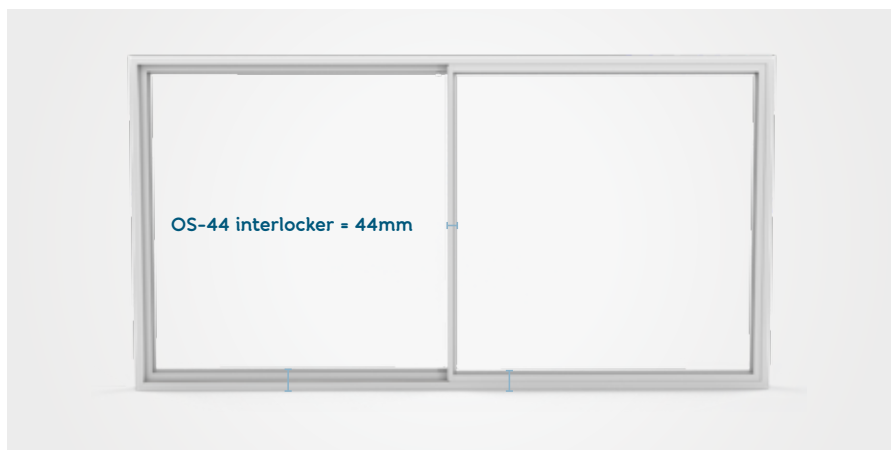
OS-29 / OS-44 / OS-77

# Specification Overview

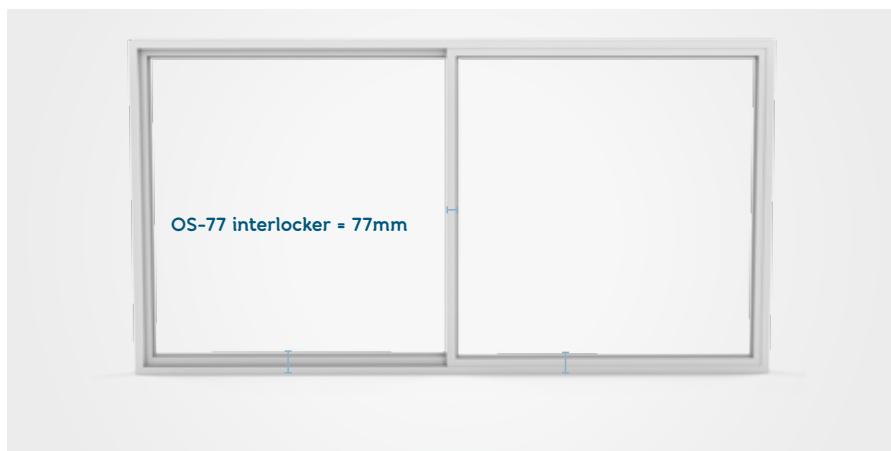
## Thermally Broken Aluminium Patio Slider



External view  
of the OS-29



External view  
of the OS-44



External view  
of the OS-77

For track depth dimensions, please see page 4.

## Profile Specification

Frame Depth	2 options: 143mm (double track) and 213mm (triple track)
Sightline	29mm, 44mm and 77mm
Track Height	50mm (double and triple track)
Minimum Sash Size	710mm wide x 1,925mm tall (OS-29: 473mm wide x 1,120mm tall)
Maximum Sash Size	2,000mm wide x 2,520mm tall (OS-29: 2,200mm wide) <i>individual panels cannot exceed 5.04m<sup>2</sup></i>
Maximum Sash Weight	200kg

### Features

- ▶ Up to a 20-year guarantee including gaskets and seals<sup>1</sup>
- ▶ PAS 24:2016 certified<sup>2</sup>
- ▶ Concealed running gear and track
- ▶ Square beading
- ▶ Weather testing BS 6375 part 1 certified

### Glazing options

- ▶ OS-29 and OS-44 - Semi-dry glazed system with either a 28mm, 32mm or 36mm glass unit
- ▶ OS-77 - Dry glazed system with either a 28mm, 32mm or 36mm glass unit

### Options and extras

- ▶ Up to 6 panelled configurations - these can be all sliding or a combination of fixed and sliding
- ▶ 225mm cill available for double track configurations
- ▶ 60mm drip bar option
- ▶ Available in over 150 RAL shades
- ▶ Three handle options to choose from
- ▶ 35mm frame extender
- ▶ 2500EA, 4000EA and 5000EA trickle vents available
- ▶ Full 3 Star Cylinder option available
- ▶ Colour-coded gaskets

<sup>1</sup>Guarantee based on location of where the doors will be installed.

Full terms and conditions can be found on the Origin website - [origin-global.com/terms-and-conditions](https://origin-global.com/terms-and-conditions).

<sup>2</sup>PAS 24:2016 is only available on OS-29 and OS-77.



## Specification Overview

The Patio Slider has 7 popular colours.  
These are available in as little as 24-hours



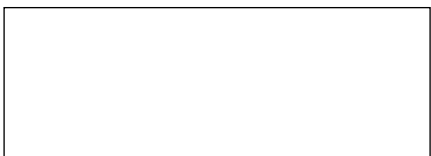
Anthracite Grey (7016M)



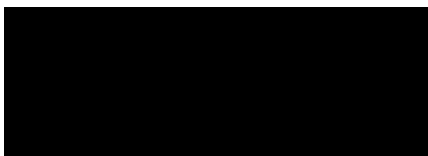
Black Grey (7021M)



Dark Silver Metallic (9007M)



Hipca White (9910G) and 9910M)



Jet Black (9005M)



Slate Grey (7015M)



Outside of this, the Origin Patio Slider can  
be specified in any RAL colour. These will  
be available in 4-weeks.

### Lead Times

Popular colours: 24-hours

For the full range of colours and most up to date lead times, visit [origin-global.com](https://origin-global.com)

## Drainage cap colours

Popular Colour	Drainage Cap Colour	X3 Code
7015M (Slate Grey)	Dark Grey	C01350
7016M (Anthracite Grey)	Dark Grey	C01350
7021M (Black Grey)	Dark Grey	C01350
9005M (Jet Black)	Black	C01163
9007M (Dark Silver Metallic)	No. 38 Grey	C01349
9910G (Hipca White)	White	C01353

# Security

## Origin's Multi-Point Lock

Each door is equipped with an ultra-secure multi-point locking system, with 6 points of locking, including 4 hook keeps and 2 additional shootbolts.

## Locking Cylinders

In addition to our standard barrels, we have a choice of 3-Star Diamond Cylinder upgrades available.

3-Star Diamond Cylinder



# Optional Extras

## Trickle Vents

Trickle vents have to meet the minimum air flow rates as defined in the British Building Regulations (see specifics below).

Should it be required, our Patio Sliders can be specified with discreetly designed trickle vents which are installed through the top track or frame extender for additional ventilation, ensuring the doors meet and surpass British Building Regulations.



*Trickle vents on our Patio Sliders can only be fitted through the top track or through the frame extender, depending on the chosen system\**

\*See OSS for more details

## Handles

- ▶ A 500mm bar handle with separate locking
- ▶ An all-in-one 300mm handle with integrated locking
- ▶ Patio D-handle



500mm  
Offset handle  
Stainless Steel



300mm  
All-in-one handle  
Stainless Steel



Patio D-handle  
Stainless Steel, White,  
Anthracite and Black

## Cills

A 225mm cill option is available. This can be powdercoated to match the doors.



## Drip Bar

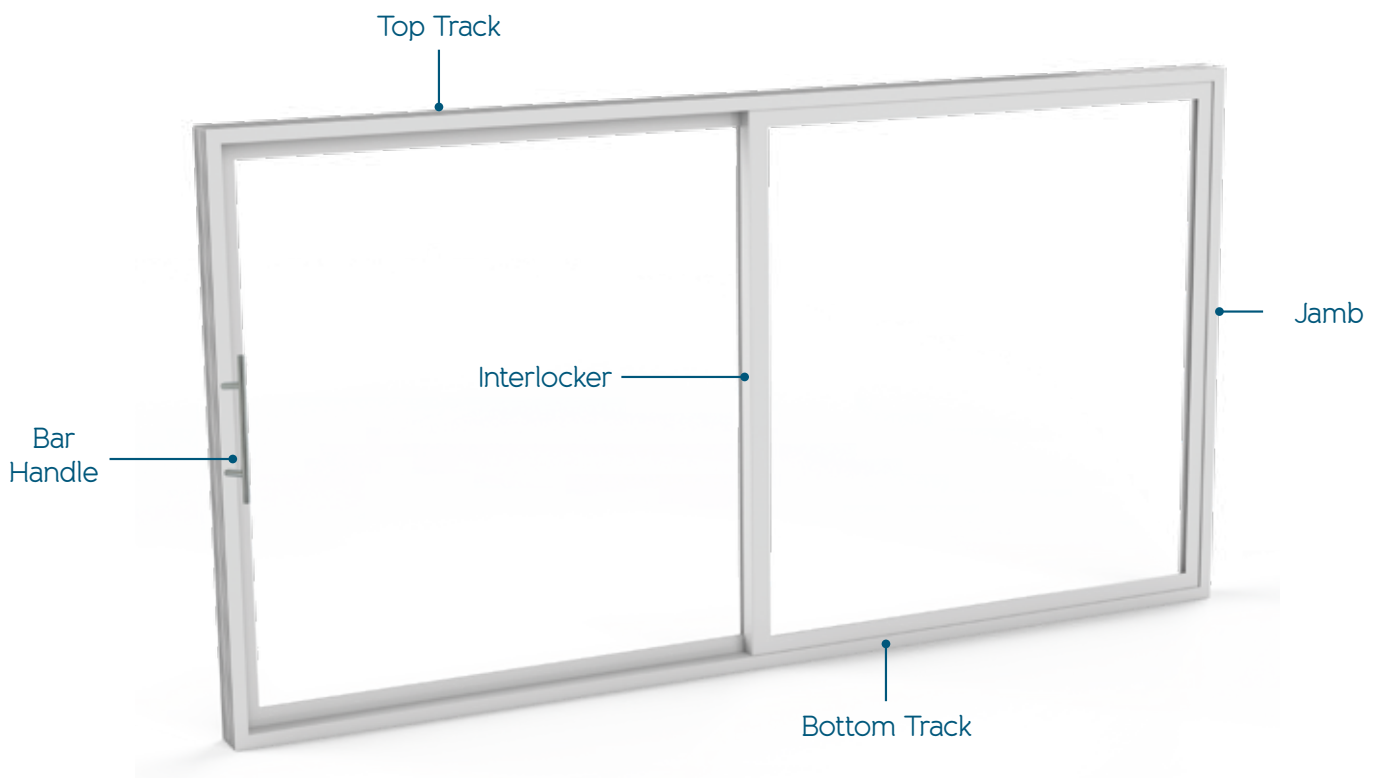
A 60mm drip bar is also available.



## Frame Extender

A 35mm frame extender is available. This allows for thicker plaster lines on ceilings and offers more room that will allow trickle vents to be fitted.

# Patio Slider Make-Up



Make-up is dependent on the configuration chosen.

# Size Limitations

## Slider Set Limits

Slider Size	Minimum			Maximum		
	OS-20	OS-29	OS-44 / OS-77	OS-20	OS-29	OS44 / OS-77
XO or OX (1 Sliding, 1 Fixed) Width (mm)	1,228	1,011	1,462	4,428	4,442	4,010
XX (2 Sliding) Width (mm)	1,278	1,011	1,462	4,478	4,442	4,010
XXO or OXX (2 Sliding, 1 Fixed) Width (mm)	1,774	1,427	2,117	6,574	6,587	5,939
XXX (3 Sliding) Width (mm)	1,824	1,427	2,117	6,624	6,587	5,939
OXXO (2 Sliding, 2 Fixed) Width (mm)	2,405	1,946	2,848	8,804	8,802	7,944
XXXX (4 Sliding) Width (mm)	2,505	N/A	N/A	8,904	N/A	N/A
OXXXXO (4 Sliding, 2 Fixed) Width (mm)	3,497	2,779	4,159	13,096	12,000	11,803
XXXXXX (6 Sliding) Width (mm)	3,597	N/A	N/A	13,196	N/A	N/A
All Configs Height (mm)	1,600	1,200	1,940	3,000	2,600	2,600
Sash Width (mm)	550	442	710	2,200	2,200	2,000
Sash Height (mm)	1,530	1,120	1,860	2,930	2,520	2,520
Sash Area (sqm)	N/A	N/A	N/A	6.6	6	6
Sash Width / Height Ratio	N/A	N/A	N/A	1:3	1:3	1:3
Sash Weight (kg)	N/A	N/A	N/A	200	200	200
Sashes in one set	1			6		

# Performance and Limitations

## Origin Thermal Ratings

U-Value

1.3 W/m<sup>2</sup>k

## Glazing Specifications

U-Value

1.0 centre pane ●

1.6 W/m<sup>2</sup>K

0.8 centre pane ●

1.4 W/m<sup>2</sup>K●

0.7 centre pane ●

1.3 W/m<sup>2</sup>K

● Minimum value for compliance with Building Regulations Part L for replacements

● Argon Gas Fill

## Weather Rating

Air Permeability

Class 3

Resistance to Wind Load

Class A4<sup>1</sup>

Water Tightness

Class 6a

## Performance Testing

BS 6375 Part 1 Certified

PAS 24:2016 (only available on OS-29 and OS-77)

## Building Regulation Requirements

New Build

Limiting Value 1.6 W/m<sup>2</sup>K

Replacements 1.4 W/m<sup>2</sup>K

Energy Rating C or better

All doors must conform to these requirements

<sup>1</sup> Varies dependent on panel size

OS29/44/77

# Classification of weather tightness

PRODUCT TESTED:

Origin Sliding Door OS29/44/77

- Air permeability tests in accordance with BS EN 1026: 2016

- Watertightness test in accordance with BS EN 1027:2000

- Wind resistance tests in accordance with BS EN 12211: 2016

- Exposure category classification in accordance with BS 6375-1: 2015 (clauses 7 and 8)

Results:

UK exposure category	Air permeability		Water tightness		Resistance to wind load			
	Class	Maximum test pressure	Class	Maximum test pressure	Class	P1	P2	P3
800	2	450	5A	200	A2	800	400	1200

TESTED BY:

Build Check Ltd

REFERENCE:

W21058-1

DATE:

11/01/22

Email: enquiry@origin-global.com

Web: www.origin-global.com

Origin Global HQ, Stuart House, Castle Estate, Coronation Road,  
Cressex Business Park, High Wycombe, Buckinghamshire, HP12 3TA

OFDL\_181491






OS29/44/77

# Certificate of thermal simulation


PRODUCT:	Origin Sliding Door - OS29; OS44; OS77
SIM - SOFTWARE:	Physibel Building Physics Software - BISCO 2D
GLASS CENTRE PANE U/VALUE	0.8 W/m2K
INSULATION	Glazing Insulation

Thermal Transmittance : (U-Value)  
1.4 W/(m2K)

*All thermal simulations carried out in accordance with:  
BS EN ISO 10077 - 2: 2017, Thermal Performance of windows, doors and shutters - calculation of thermal transmittance.*

TESTED BY: David Ginger (Product Compliance Director)  
DATE: May 2022  
SIGNED: 

Email: [enquiry@origin-global.com](mailto:enquiry@origin-global.com) | Web: [www.origin-global.com](http://www.origin-global.com)  
Origin Global HQ, Stuart House, Castle Estate, Coronation Road, Cressex Business Park, High Wycombe, Buckinghamshire, HP12 3TA  
OFTIL\_18149/3

  
DOORS AND WINDOWS

OS-77	
Certificate of PAS 24	
PRODUCT:	ORIGIN SLIDER OS-77
SUMMARY OF TESTING PROCEDURE:  PAS 24: 2016 - CLAUSE ANNEX A, B4.3, B.4.4.2, B.4.4.3, B.4.4.4, B.4.5, B.4.6, B.4.7, B.4.8 AND B.4.9.2.2	RESULT:  PASS
PASSED PAS 24: 2016 FOR THE REQUIREMENTS OF BOTH 3 STAR KEY REMOVABLE AND THUMBTURN CYLINDERS.	
TO COMPLY A BSEN 356 P1A CERTIFIED GLASS UNIT MUST BE INSTALLED.	
TESTED BY: Build Check Ltd	
DATE: 01/08/2019	
Email: <a href="mailto:enquiry@origin-global.com">enquiry@origin-global.com</a>   Web: <a href="http://www.origin-global.com">www.origin-global.com</a>	
Origin Global HQ, Stuart House, Castle Estate, Coronation Road, Cressex Business Park, High Wycombe, Buckinghamshire, HP12 3TA	
OFDL_18.144.1	
 DOORS AND WINDOWS	

OS-29

Certificate of PAS 24

PRODUCT:ORIGIN SLIDER OS-29

SUMMARY OF TESTING PROCEDURE:  
PAS 24: 2016 - CLAUSE ANNEX A, B4.3, B.4.4.2, B.4.4.3, B.4.4.4, B.4.5, B.4.6, B.4.7, B.4.8 AND B.4.9.2.2

RESULT:  
PASS

PASSED PAS 24: 2016 FOR THE REQUIREMENTS OF BOTH 3 STAR KEY REMOVABLE AND THUMBTURN CYLINDERS.

TO COMPLY A BSEN 356 P1A CERTIFIED GLASS UNIT MUST BE INSTALLED.

TESTED BY:Build Check Ltd

DATE:11/01/2022

Email: enquiry@origin-global.com | Web: www.origin-global.com

Origin Global HQ, Stuart House, Castle Estate, Coronation Road, Cressex Business Park, High Wycombe, Buckinghamshire, HP12 3TA

OFDL\_181441

origin

DOORS AND WINDOWS

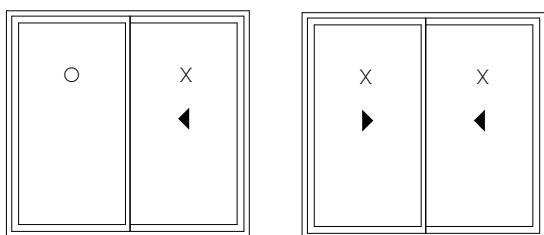
OS-29 / OS-44 / OS-77

origin

15

# Master Configurations

OX (1 fixed, 1 sliding) or XX (2 sliding)



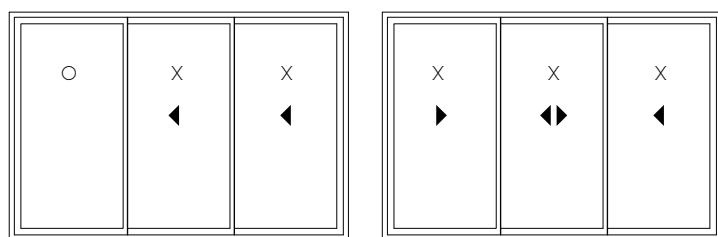
## KEY

O - Indicates Fixed sash

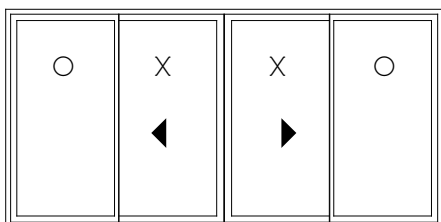
X - Indicates Opening sash

Arrow - Indicates opening direction

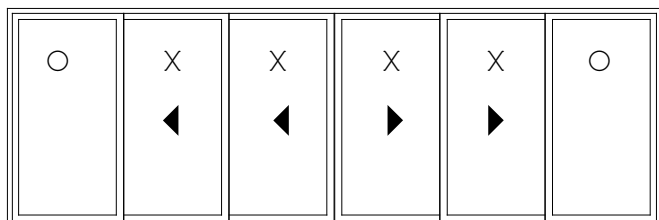
OXX (1 fixed, 2 sliding) or XXX (3 sliding)



OXXO (2 fixed, 2 sliding)

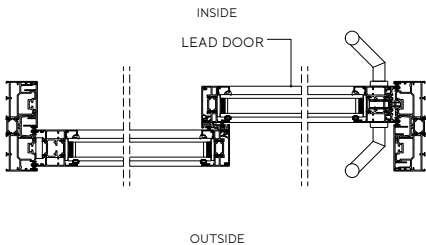
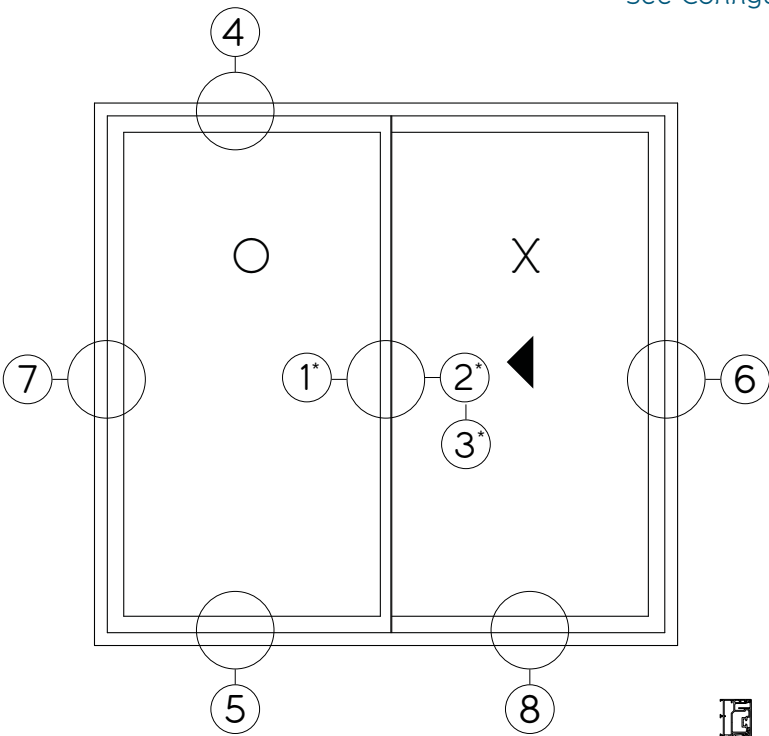


OXXXXO (2 fixed, 4 sliding)



Master Configuration: XO (1 sliding, 1 fixed) or XX (2 sliding)

See Configuration Key for section detail ▶



\*The interlocker will be dependent on the system chosen.



2+0  
See page 45 for configurations

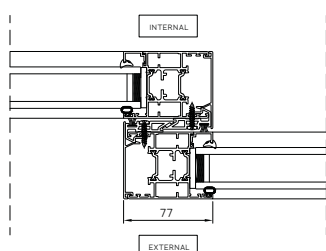
Key features

▶ Both panels can be sliding, or one can be fixed with one sliding

▶ Traditional patio door style

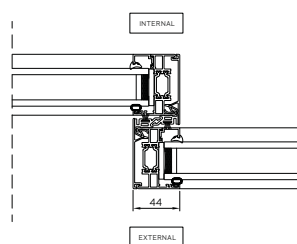
## Configuration Key

1 - OS-77 Interlocker



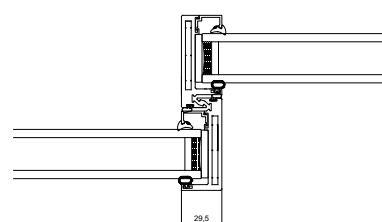
See page 25

2 - OS-44 Interlocker



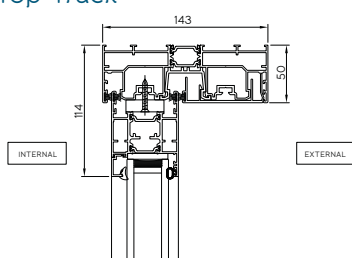
See page 26

3 - OS-29 Interlocker



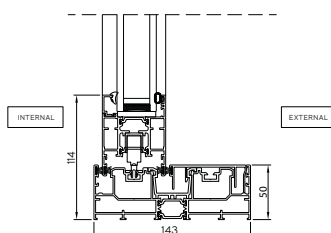
See page 27

4 - Double Frame -  
Top Track



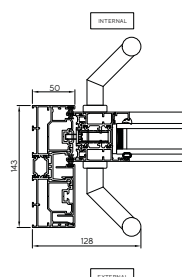
See page 28

5 - Double Frame -  
Bottom Threshold



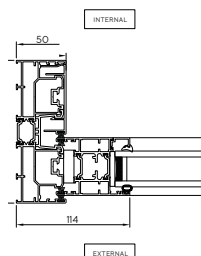
See page 29

6 - Double Frame -  
Locking Jamb



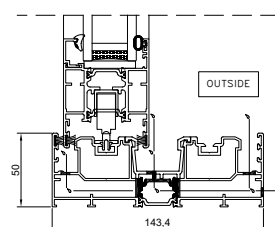
See page 30

7 - Double Frame -  
Fixed Jamb



See page 31

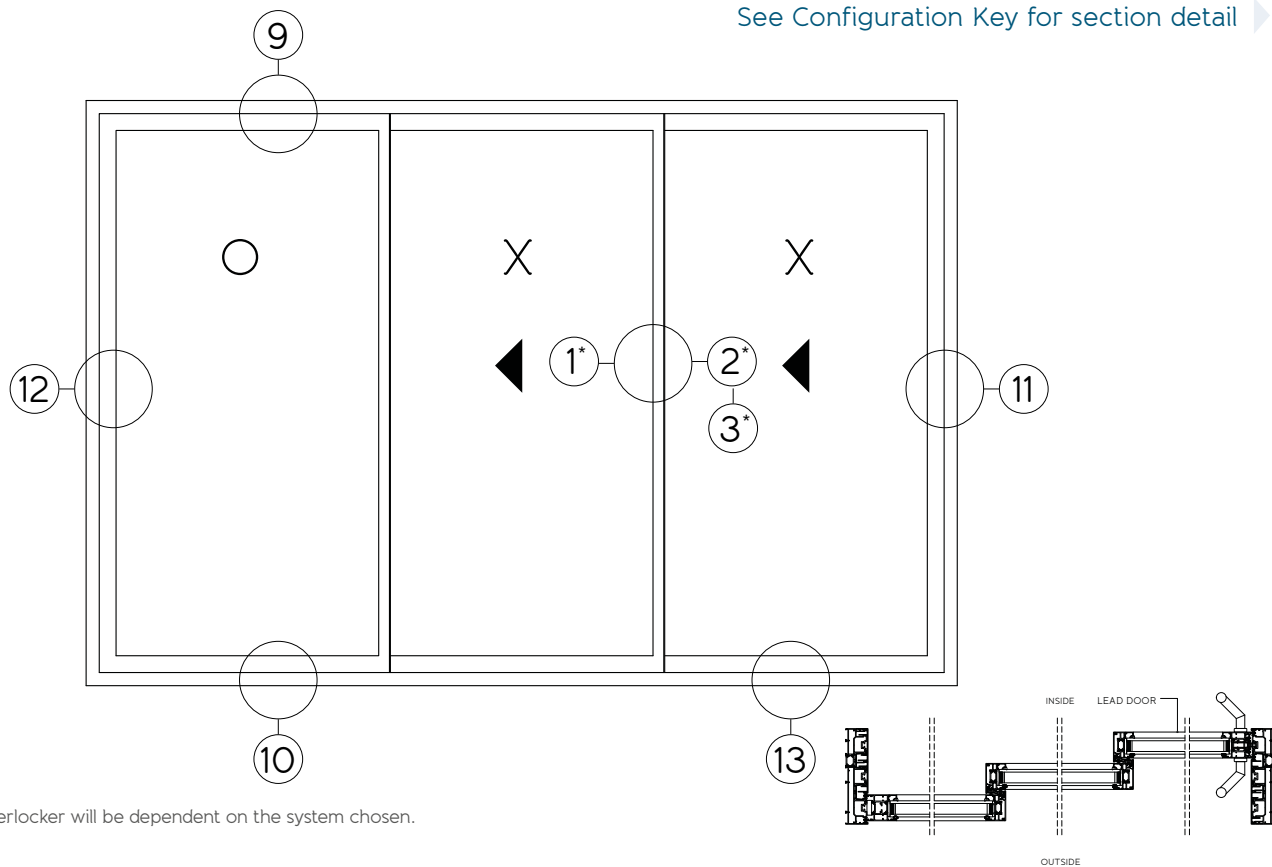
8 - Double Frame -  
Drainage Frame



See page 32

Master Configuration: OXX (1 fixed, 2 sliding) or XXX (3 sliding)

See Configuration Key for section detail ▶



\*The interlocker will be dependent on the system chosen.



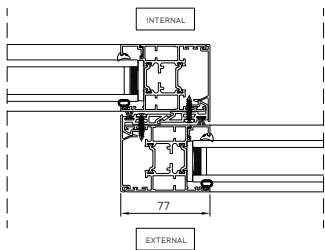
Key features

▶ Fixed pane can be specified on the left or right

See page 45 for configurations

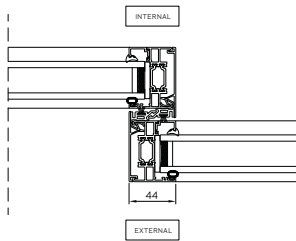
Configuration Key

1 - OS-77 Interlocker



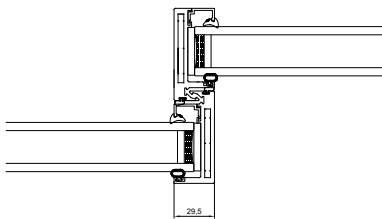
See page 25

2 - OS-44 Interlocker



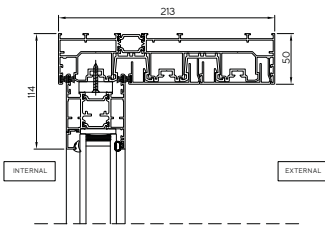
See page 26

3 - OS-29 Interlocker



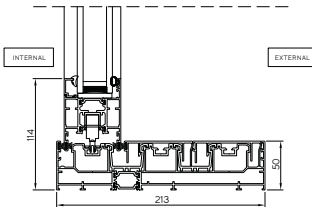
See page 27

9 - Triple Frame - Top Track



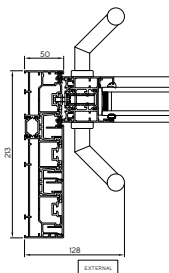
See page 33

10 - Triple Frame - Bottom Threshold



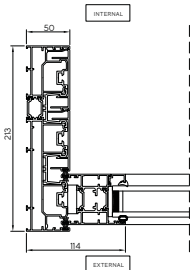
See page 34

11 - Triple Frame - Locking Jamb



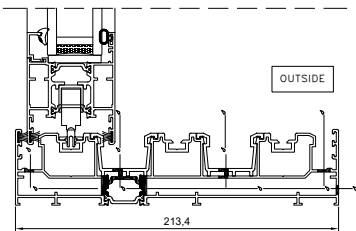
See page 35

12 - Triple Frame - Fixed Jamb



See page 36

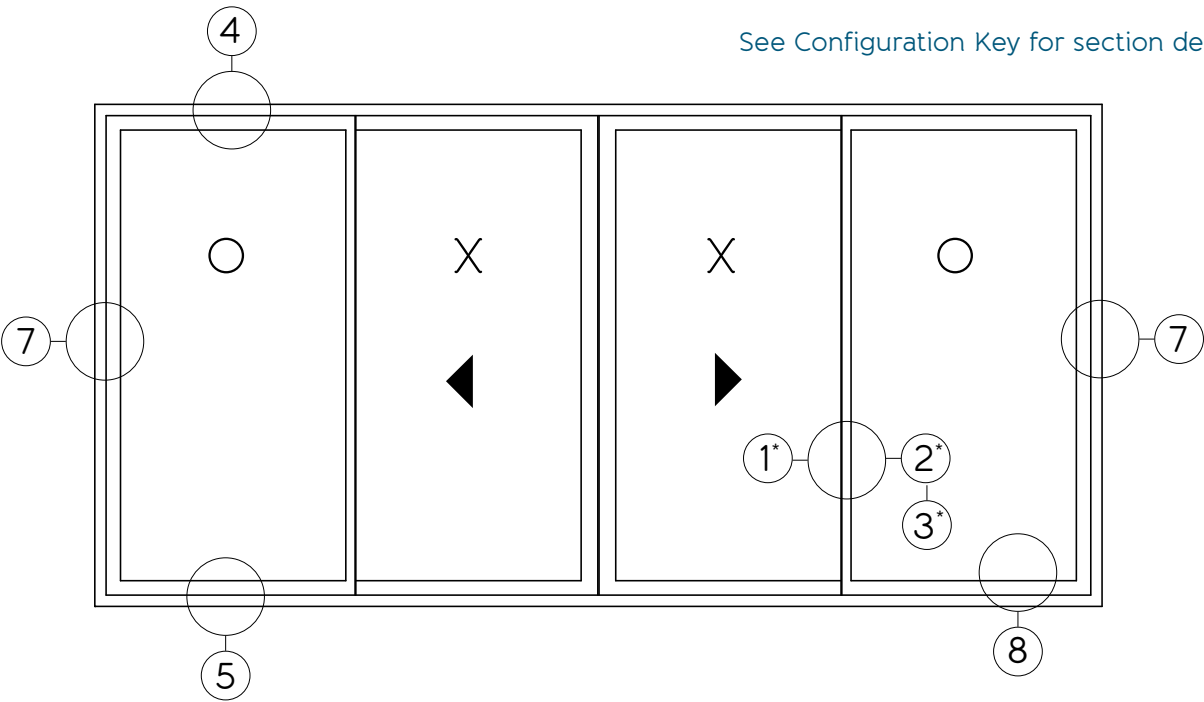
13 - Triple Frame - Drainage Details



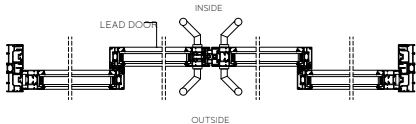
See page 37



Master Configuration: OXXO (1 fixed, 2 sliding, 1 fixed)



See Configuration Key for section detail ▶



\*The interlocker will be dependent on the system chosen.



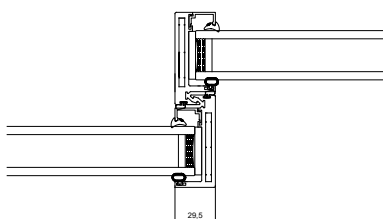
Key features

▶ Fixed pane can be specified on the left or right

See page 45 for configurations

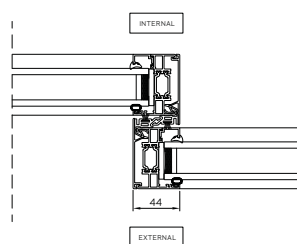
## Configuration Key

1 - OS-29 Interlocker



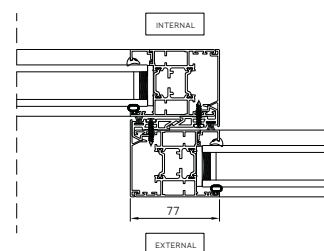
See page 27

2 - OS-44 Interlocker



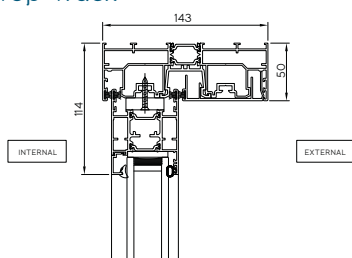
See page 26

3 - OS-77 Interlocker



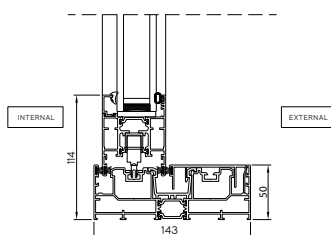
See page 25

4 - Double Frame -  
Top Track



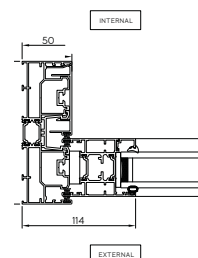
See page 28

5 - Double Frame -  
Bottom Threshold



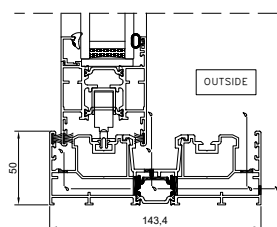
See page 29

7 - Double Frame -  
Fixed Jamb



See page 31

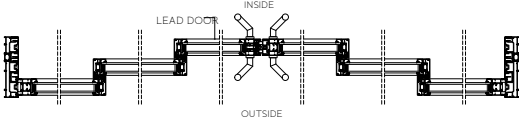
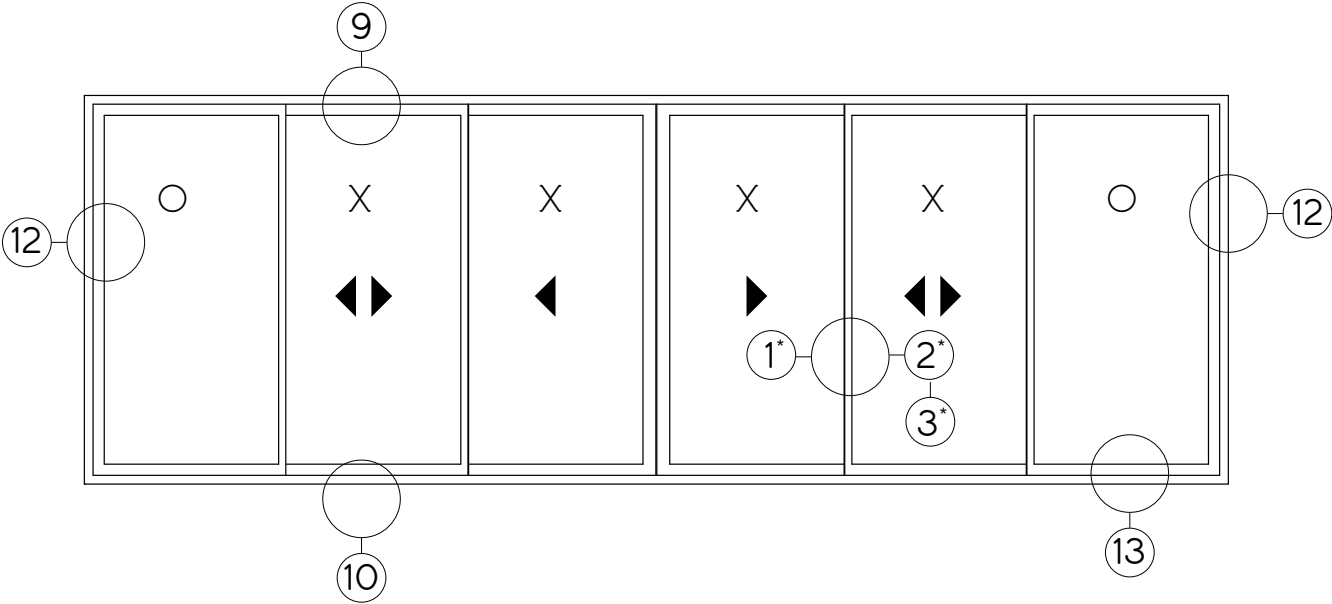
8 - Double Frame -  
Drainage Frame



See page 32

Master Configuration: OXXXXO (1 fixed, 4 sliding, 1 fixed)

See Configuration Key for section detail ▶



\*The interlocker will be dependent on the system chosen.



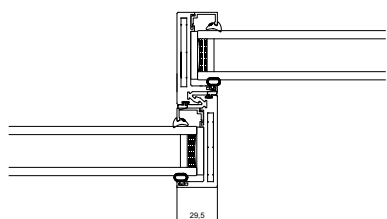
See page 45 for configurations

Key features

▶ Fixed pane can be specified on the left or right

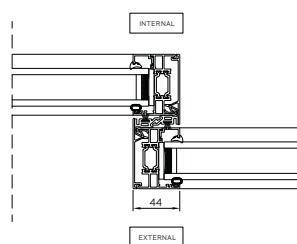
## Configuration Key

1 - OS-29 Interlocker



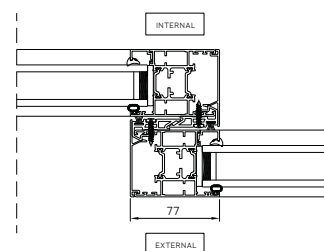
See page 27

2 - OS-44 Interlocker



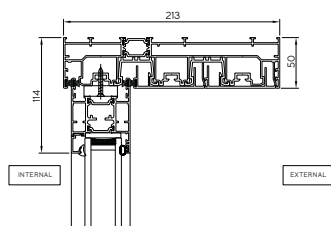
See page 26

3 - OS-77 Interlocker



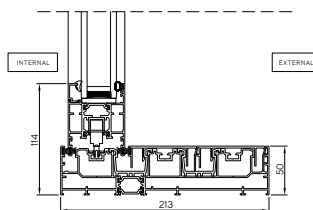
See page 25

9 - Triple Frame -  
Top Track



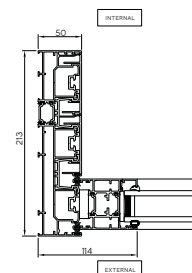
See page 33

10 - Triple Frame -  
Bottom Threshold



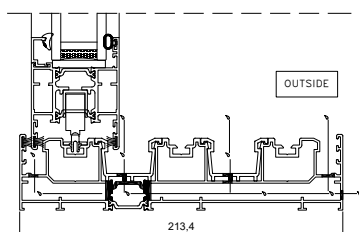
See page 34

12 - Triple Frame -  
Fixed Jamb



See page 36

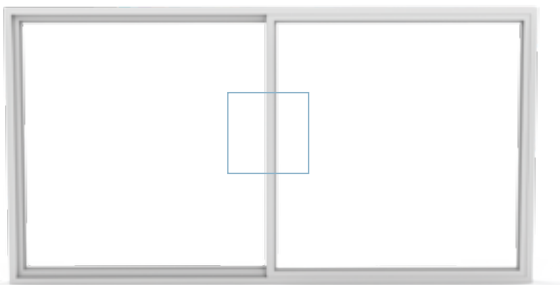
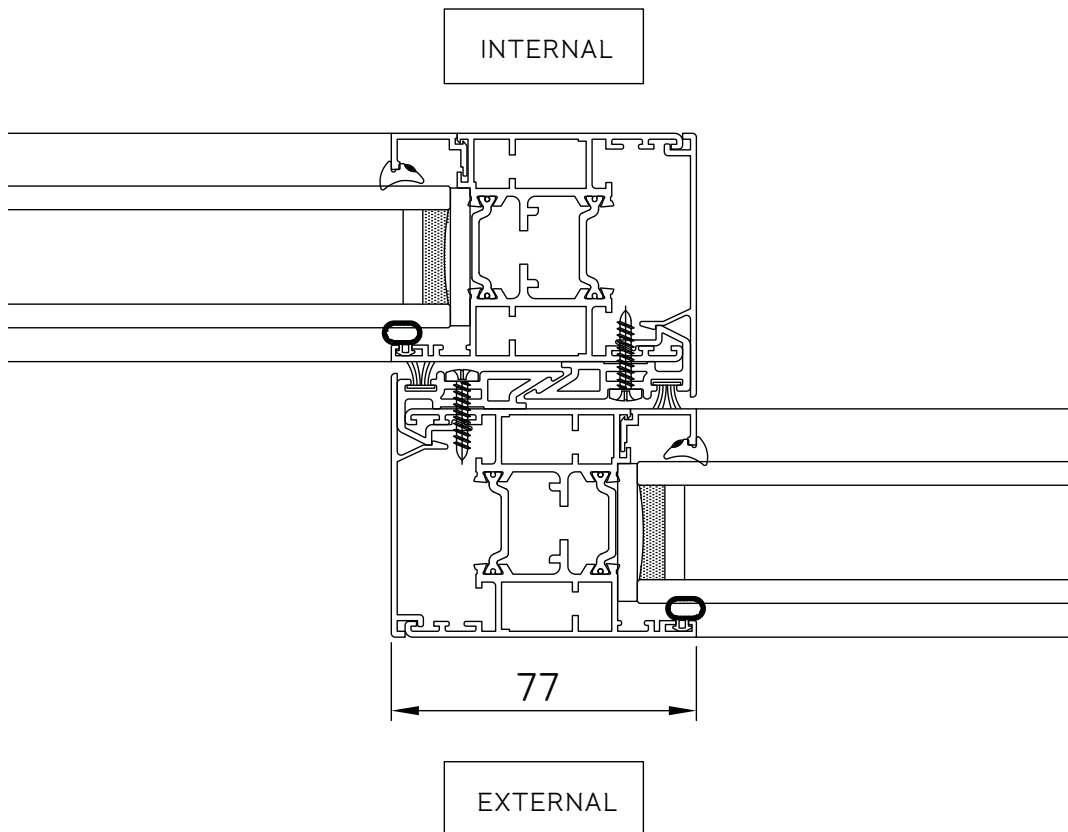
13 - Triple Frame -  
Drainage Details



See page 37

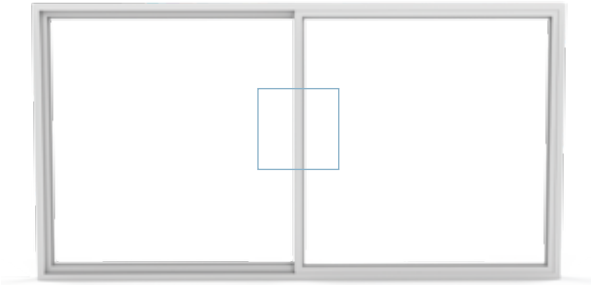
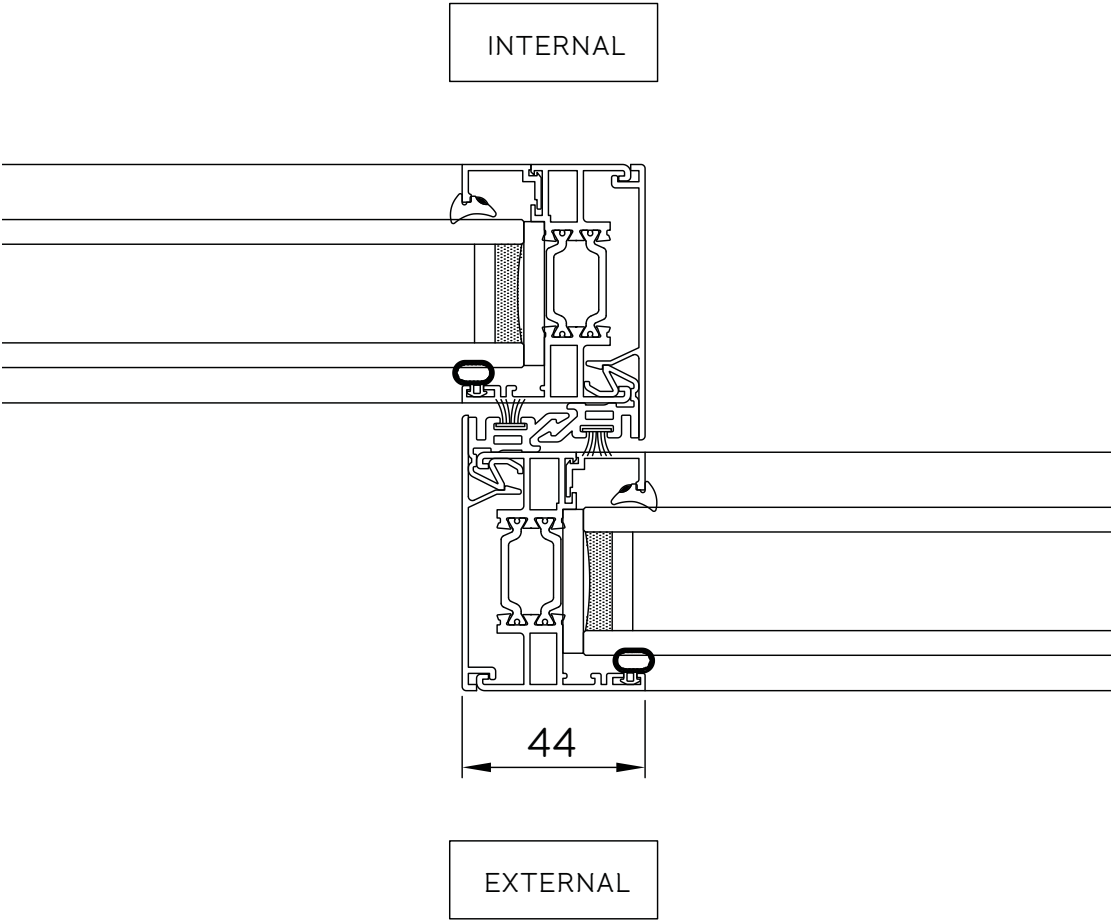
# Technical Drawings

## 1 OS-77 Interlocker Detail

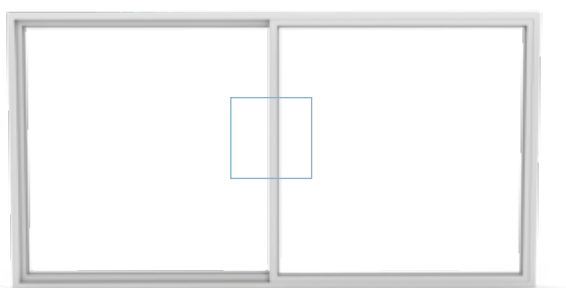
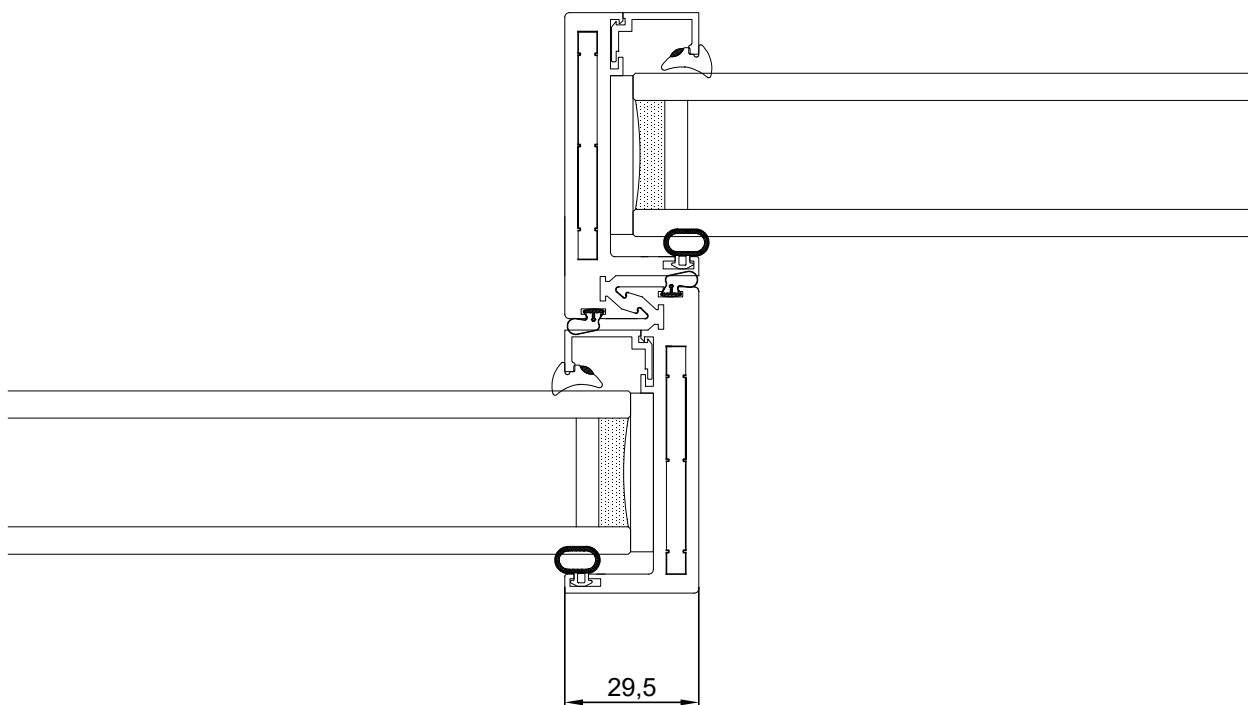


2

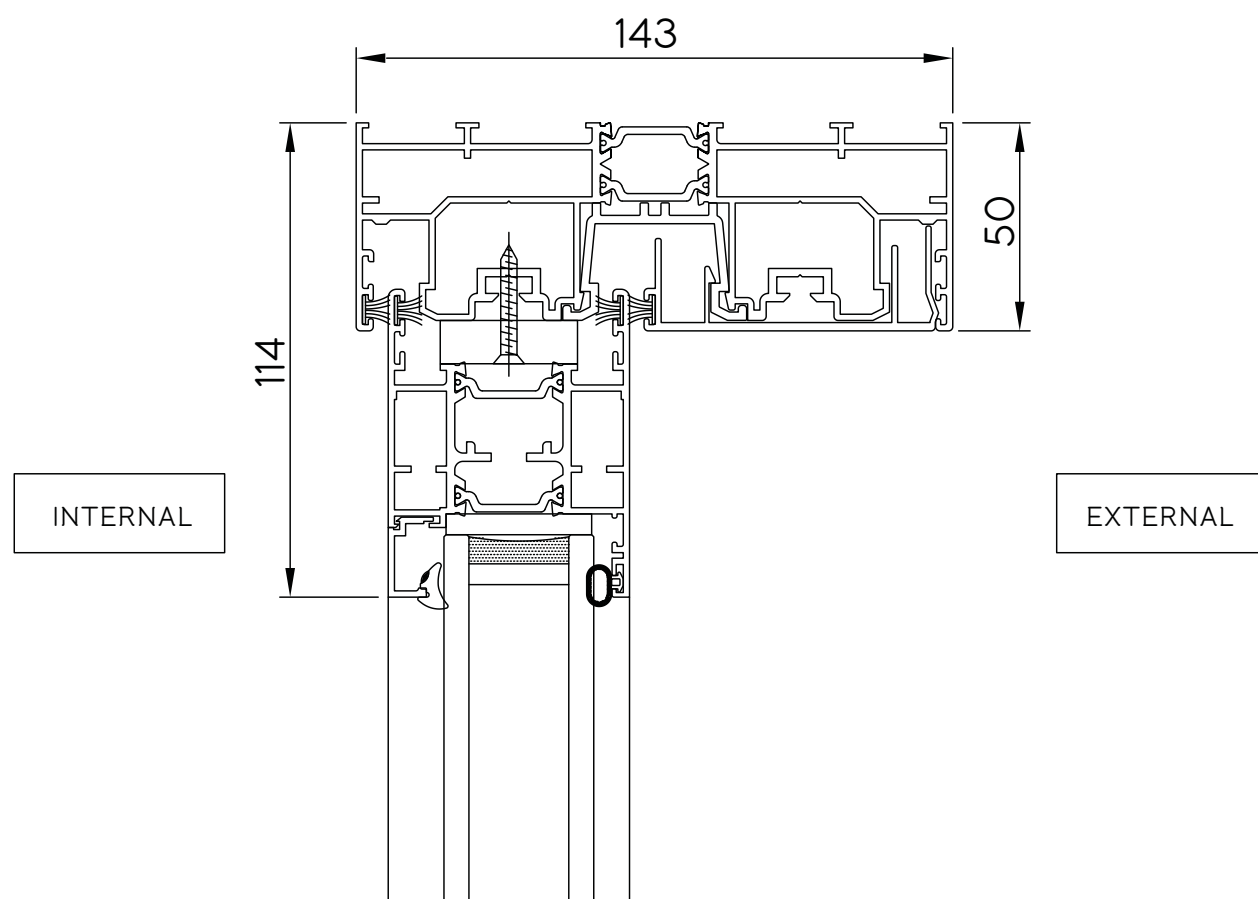
OS-44 Interlocker Detail



### 3 OS-29 Interlocker Detail

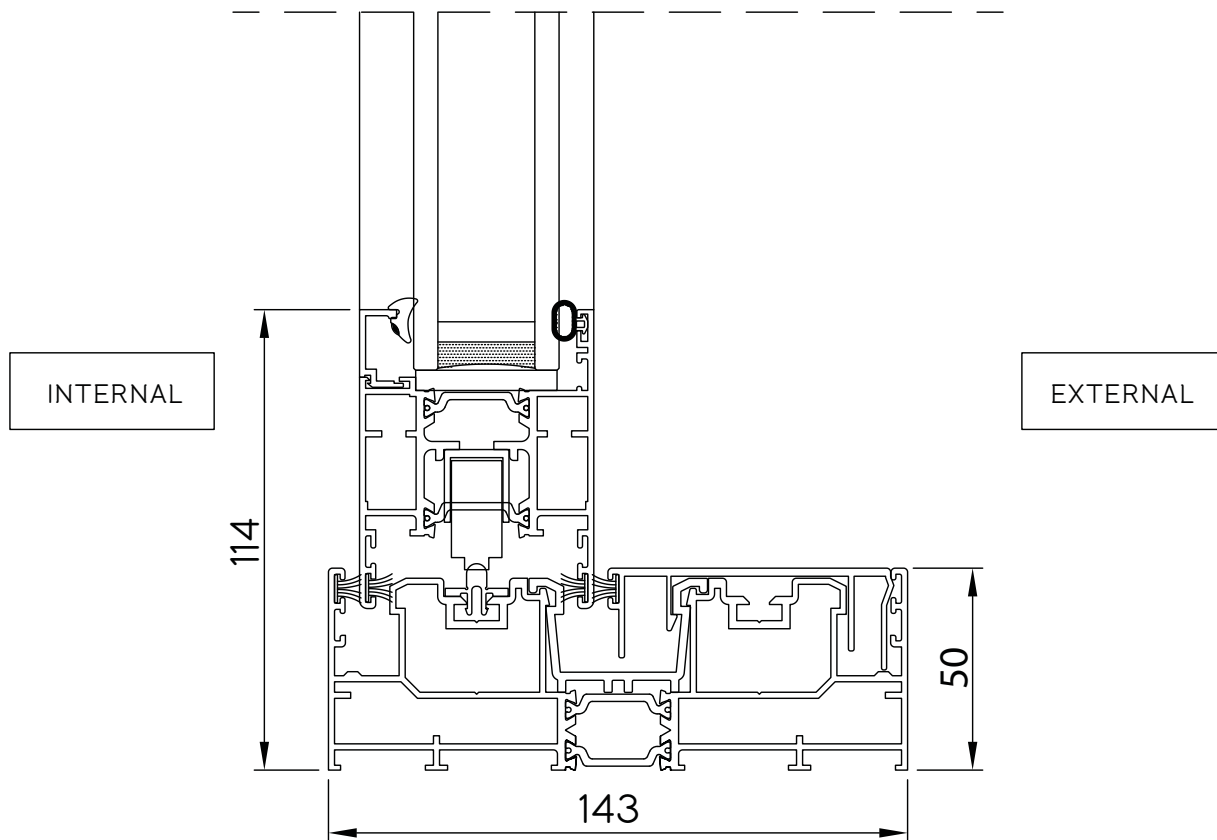


#### 4 Double Frame - Top Track Detail

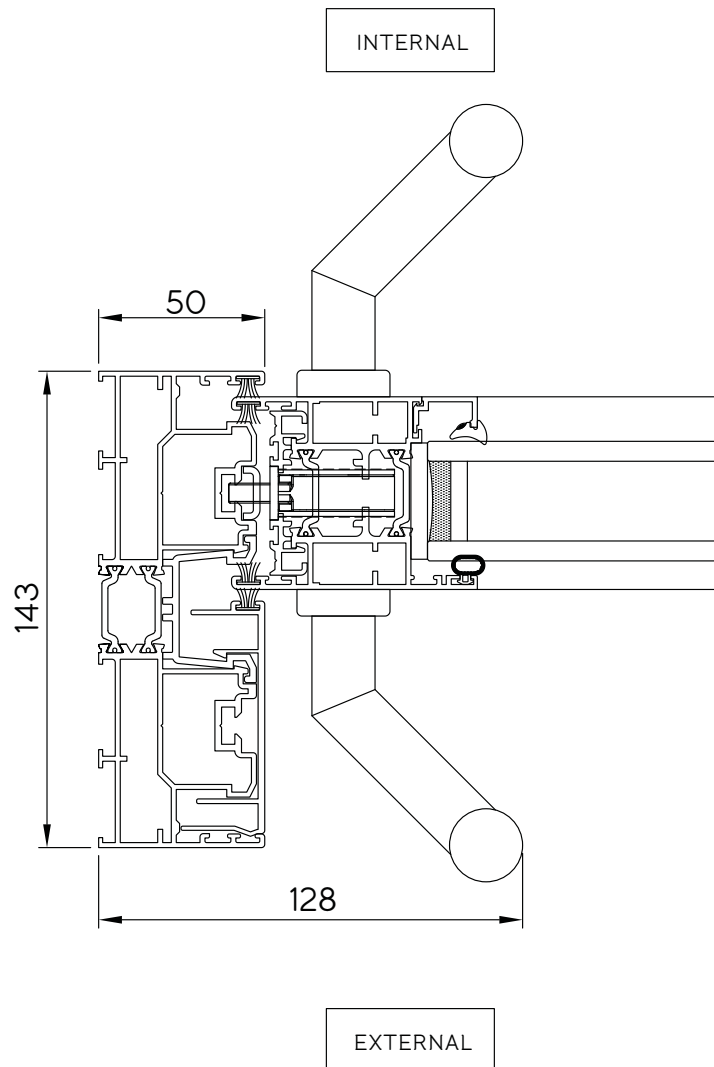




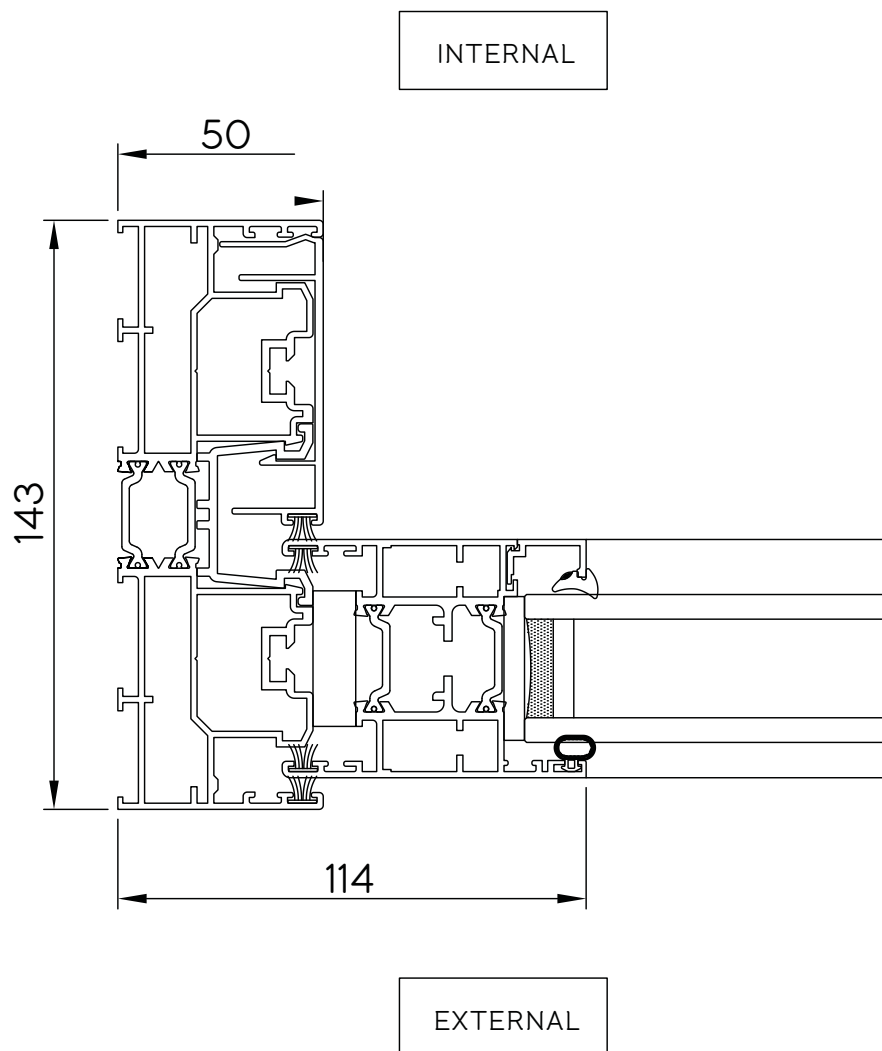
## 5 Double Frame - Bottom Track Detail



## 6 Double Frame - Locking Jamb Detail

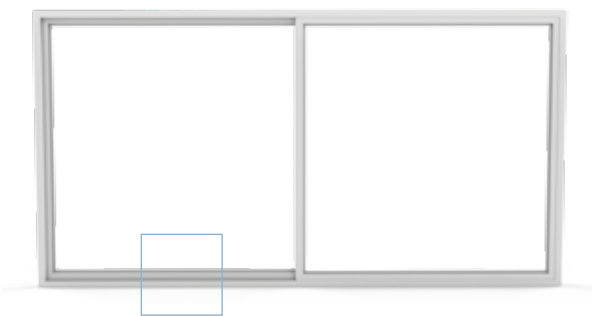
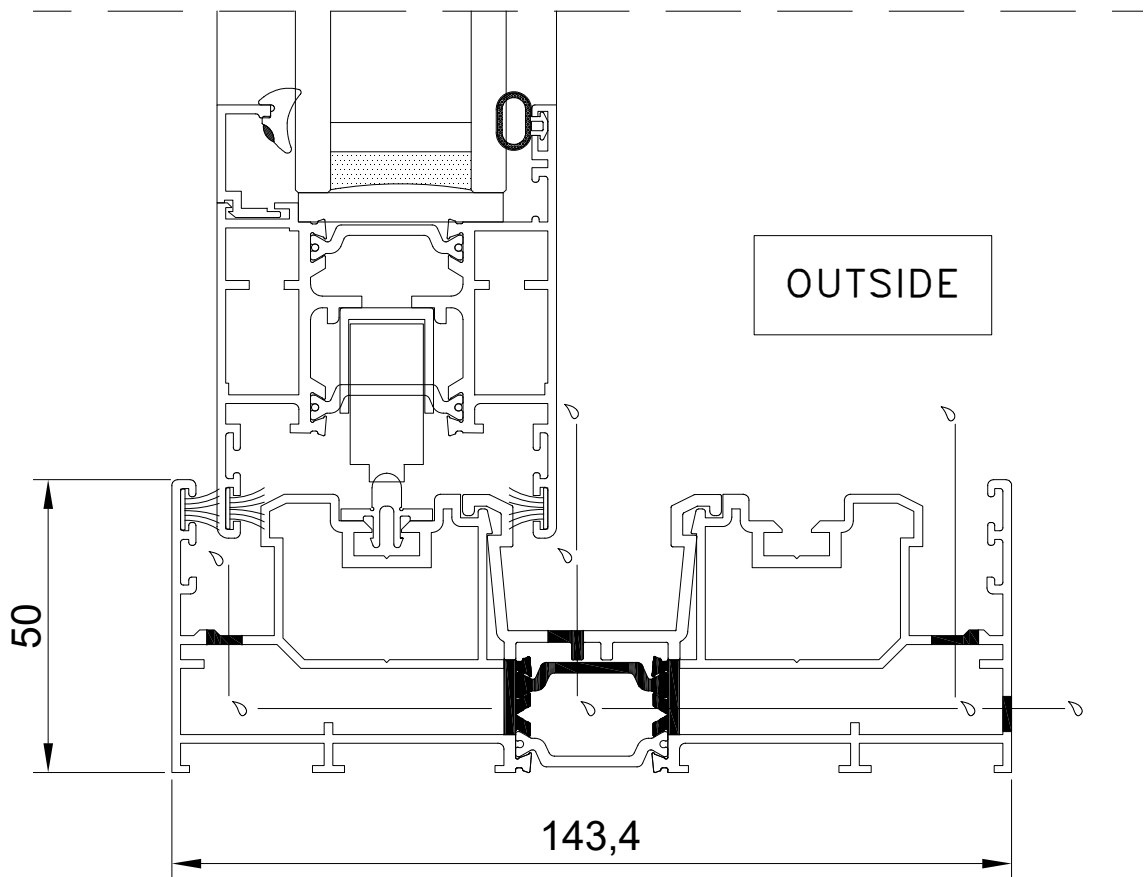


## 7 Double Frame - Fixed Jamb Detail

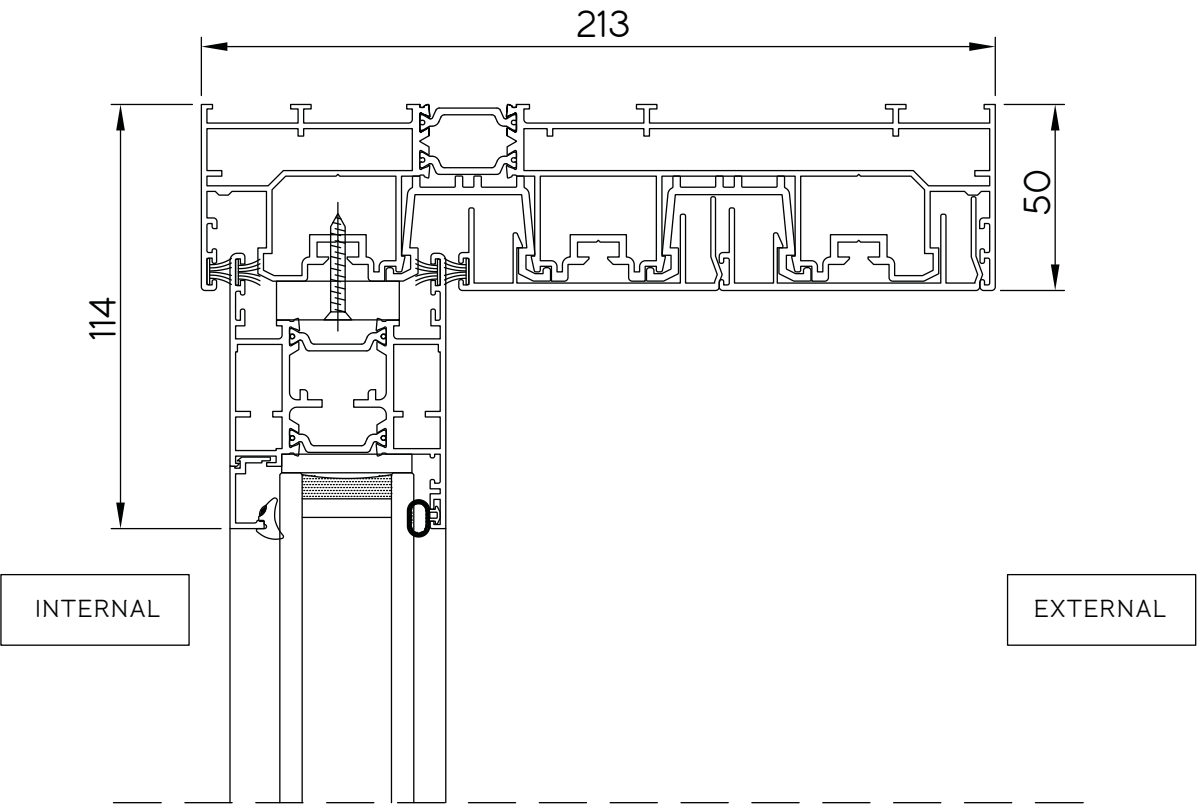


8

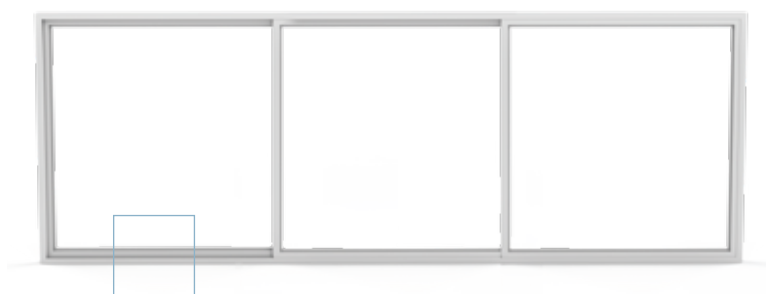
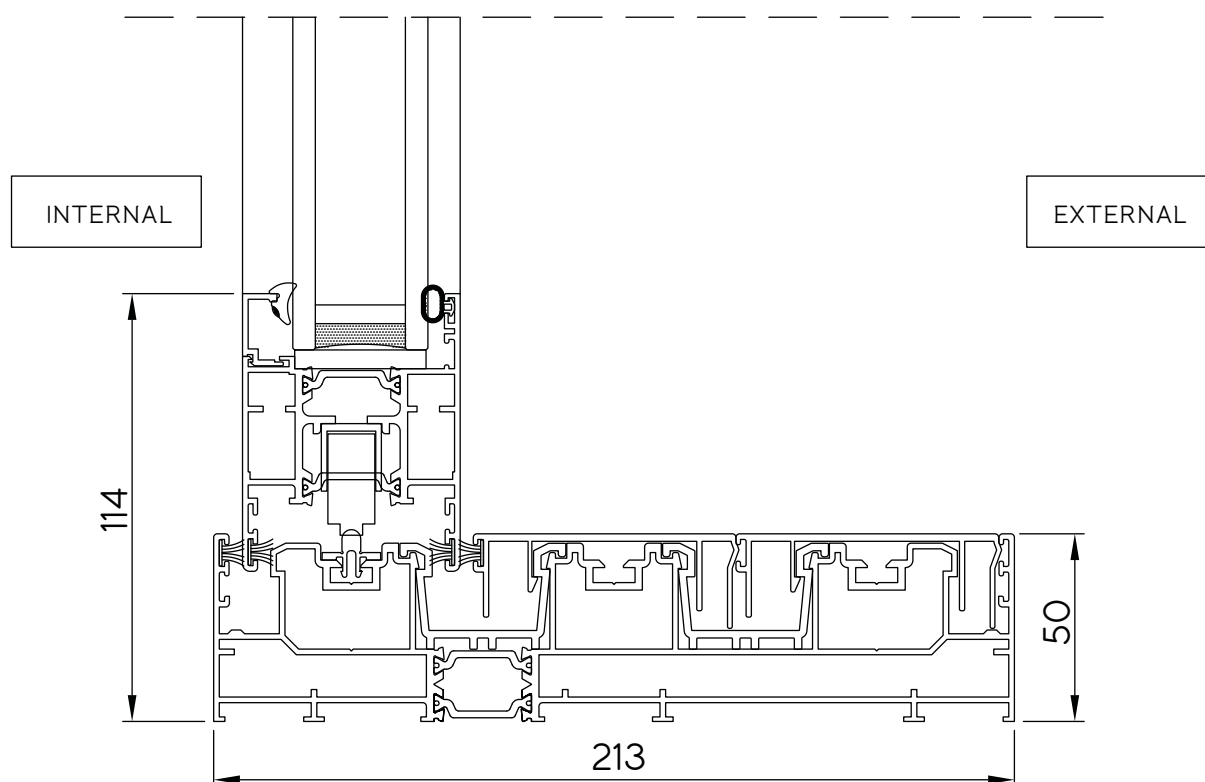
Double Frame - Drainage Detail



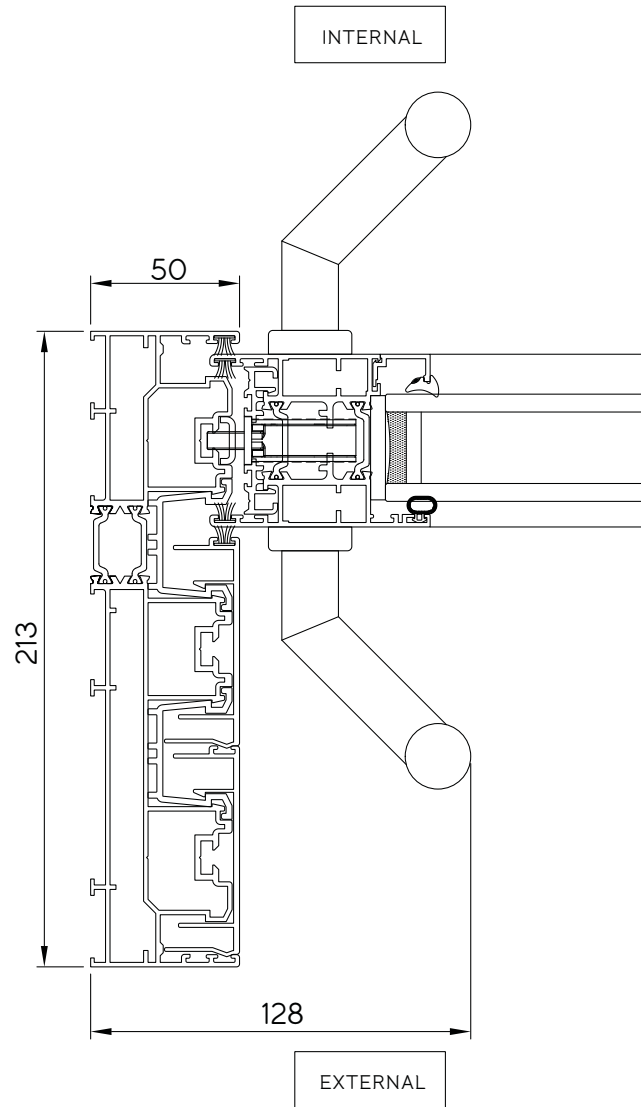
9 Triple Frame - Top Track Detail



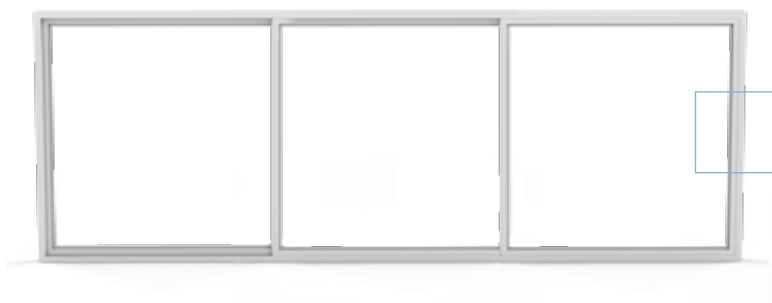
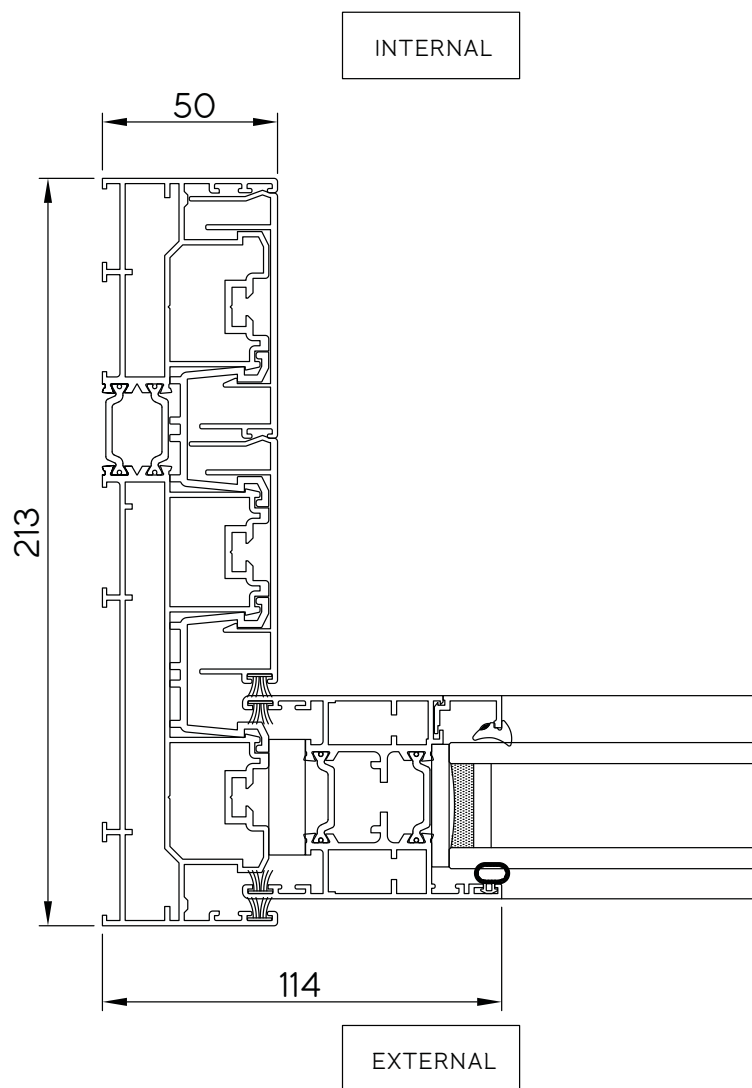
## 10 Triple Frame - Bottom Track Detail



11 Triple Frame - Locking Jamb Detail

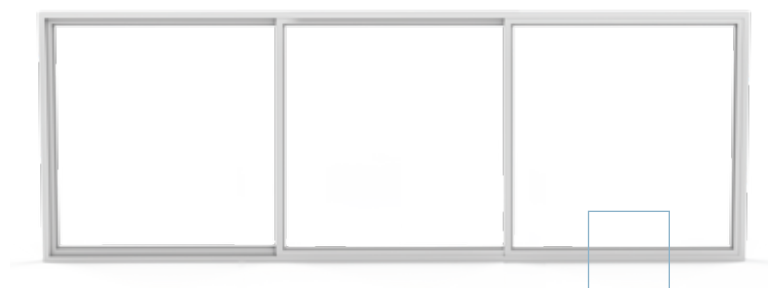
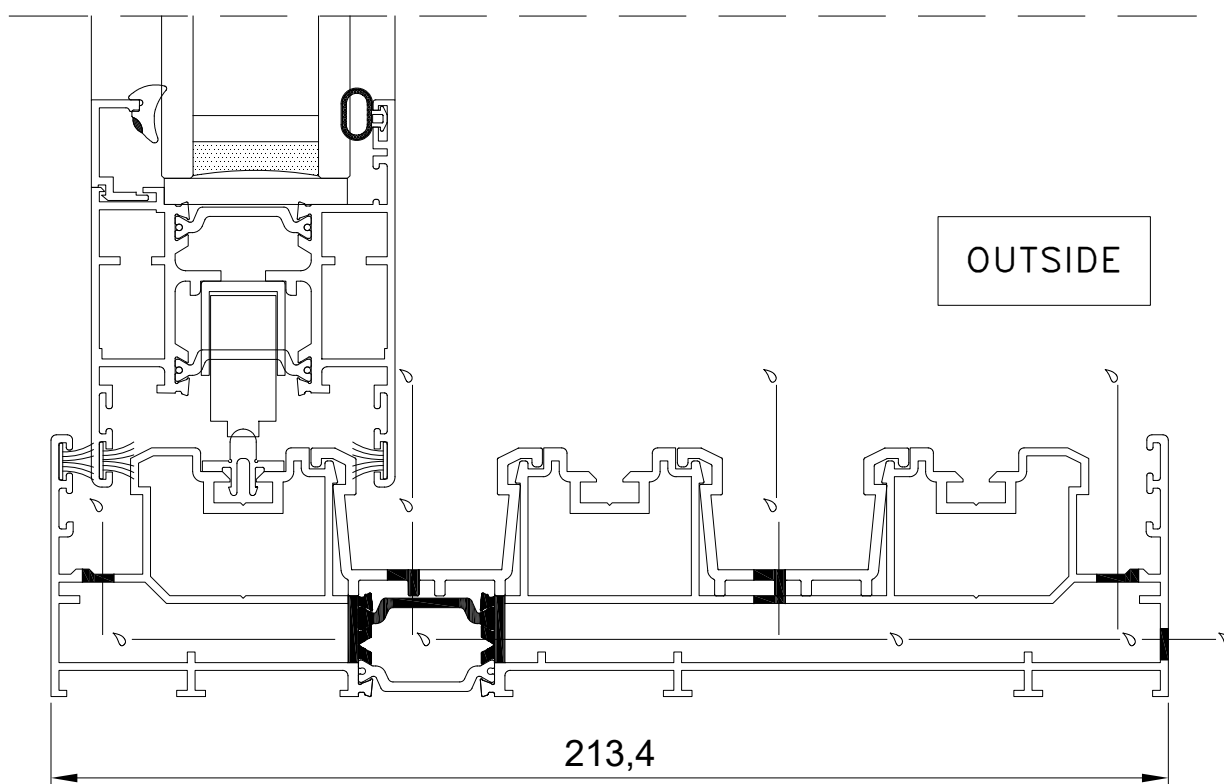


## 12 Triple Frame - Fixed Jamb Detail

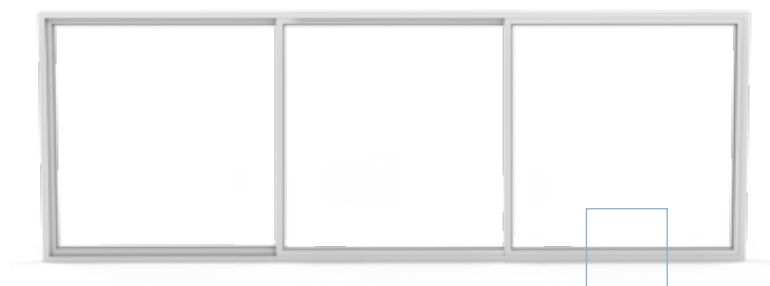
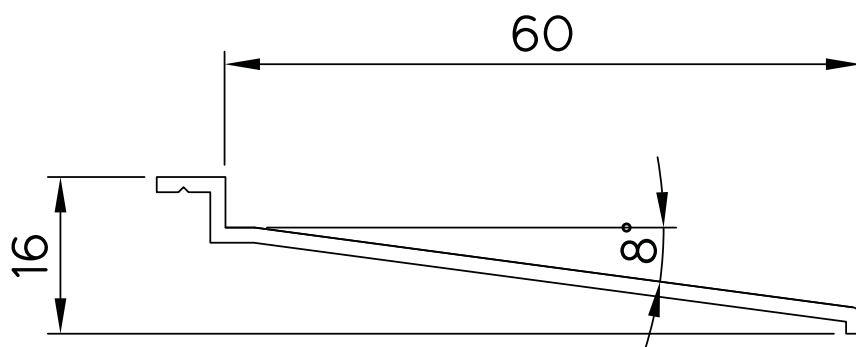




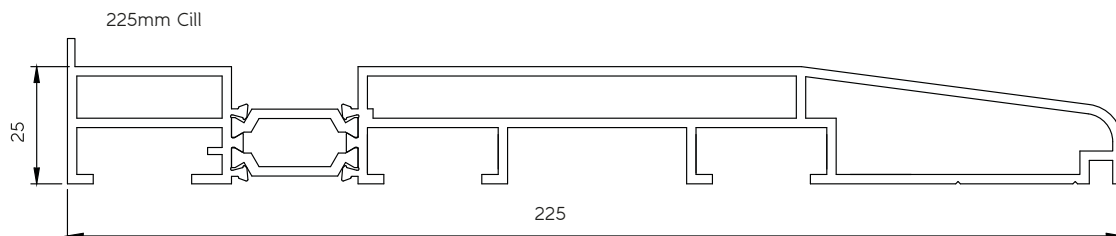
13 Triple Frame - Drainage Detail



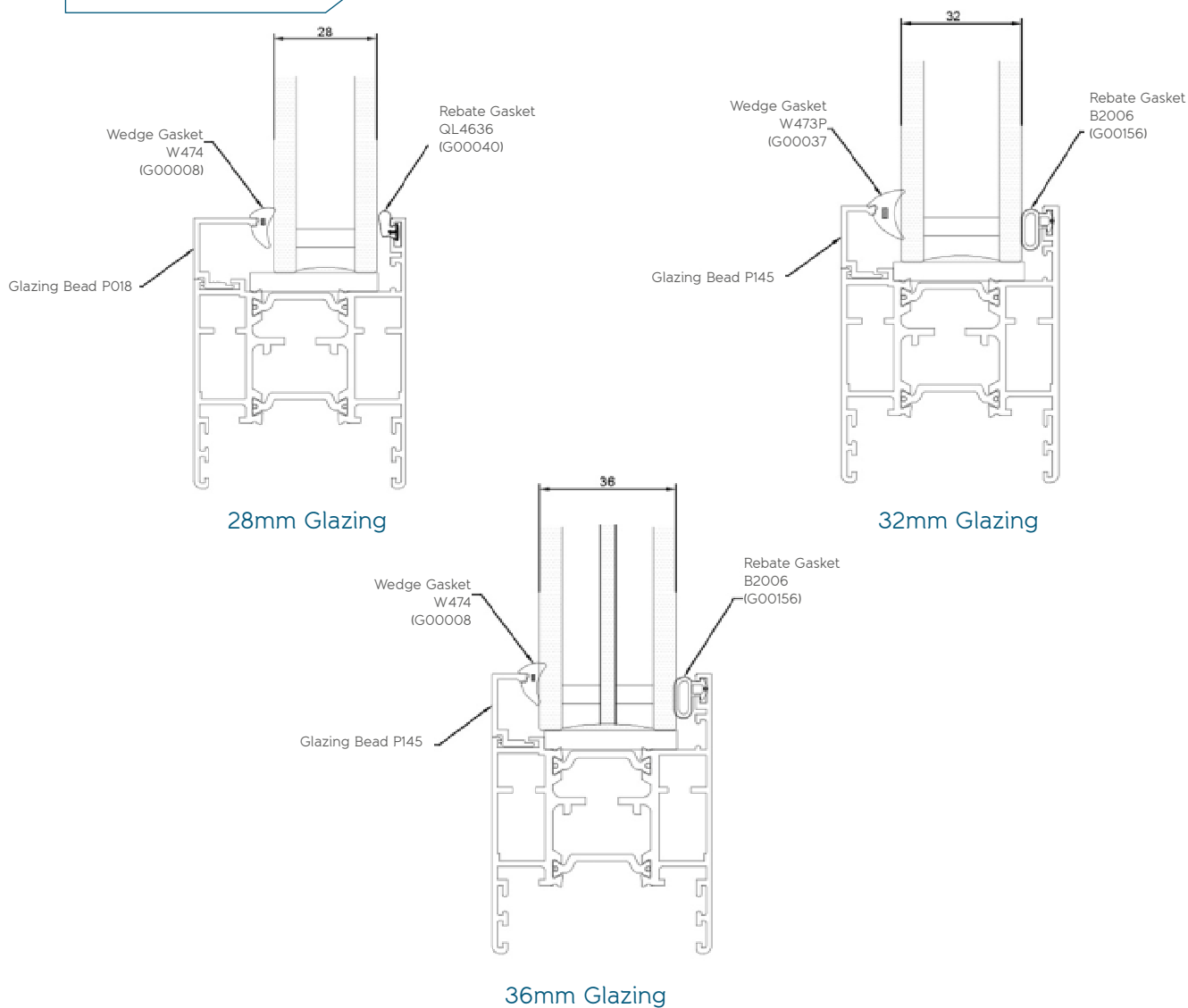
14 Drip Bar Detail (optional extra)



## 15 225mm Cill Detail



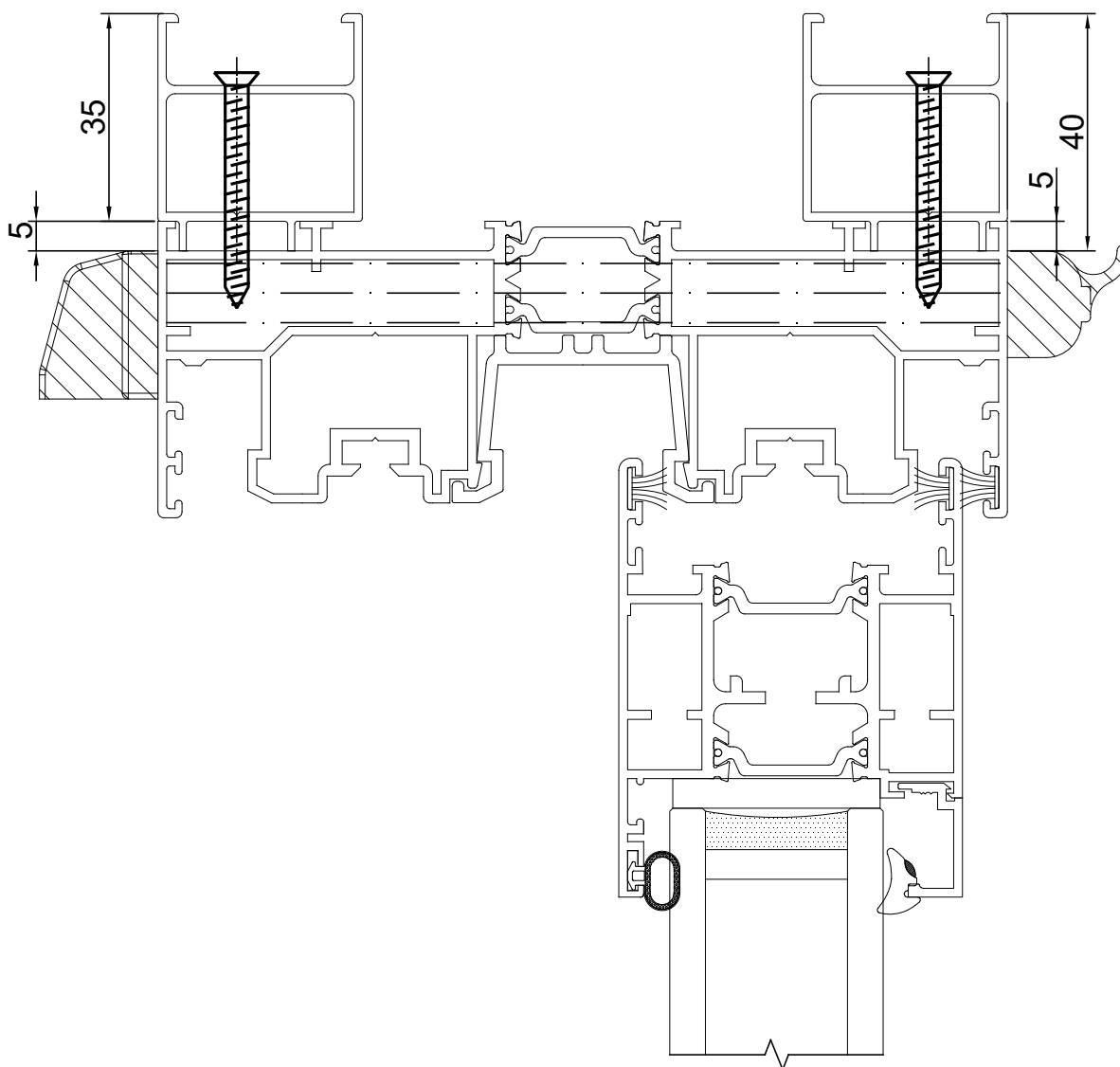
## 16 Glazing Details



## 17a Frame Extender (Double Frame) Detail

The frame extender is fitted to the width of the frame.

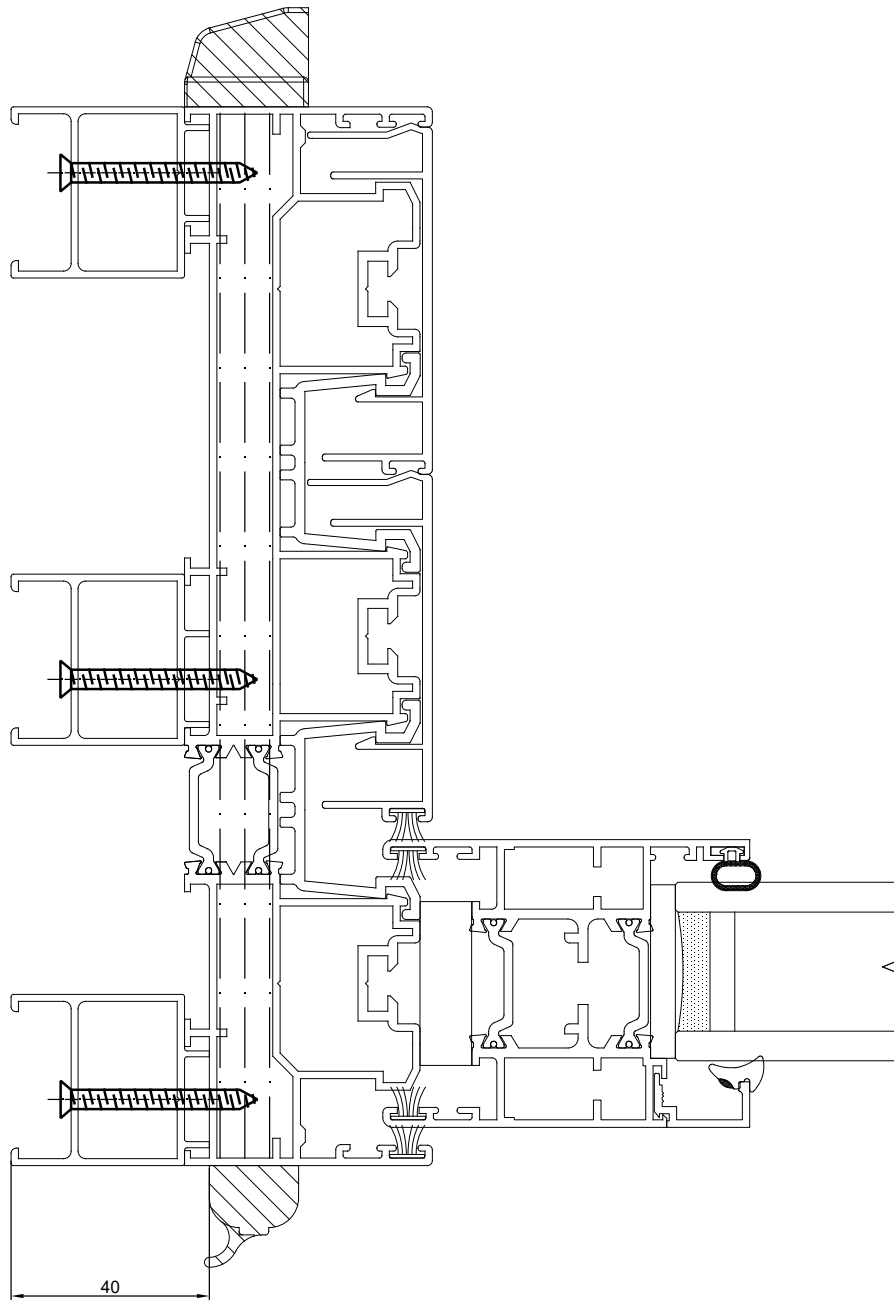
Each fixing is approx every 600mm.



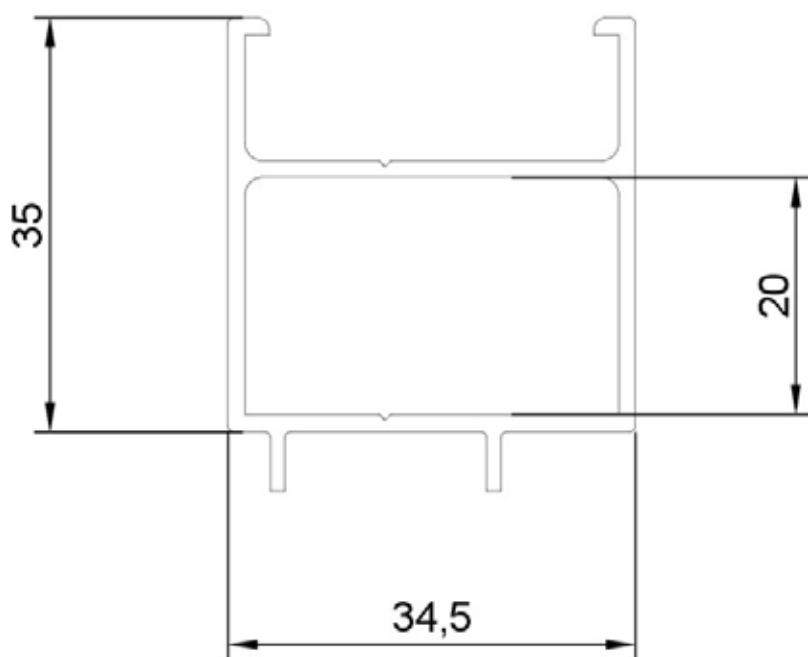
## 17b Frame Extender (Triple Frame) Detail

The frame extender is fitted to the width of the frame.

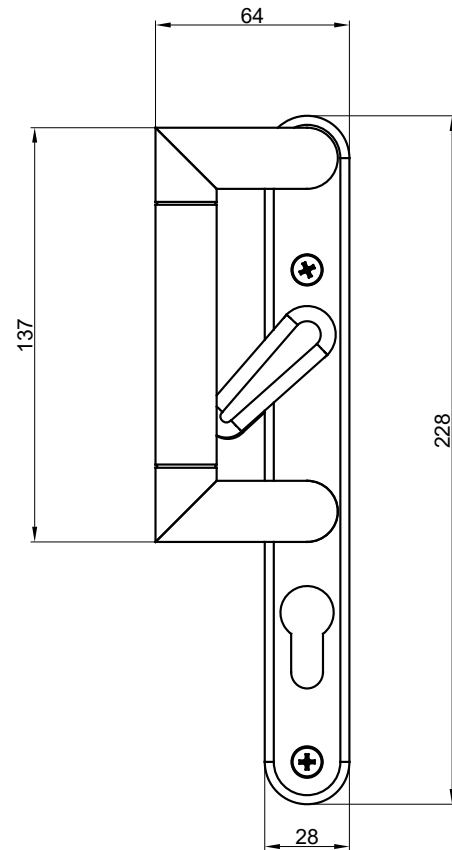
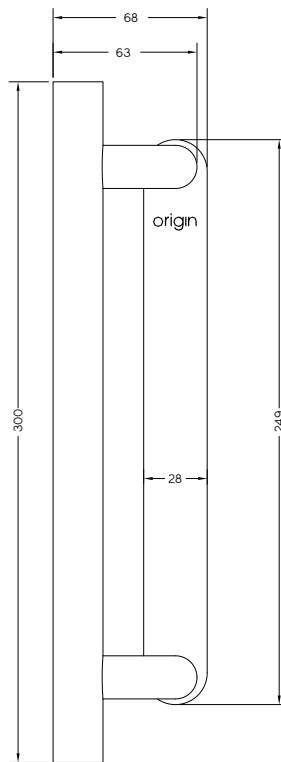
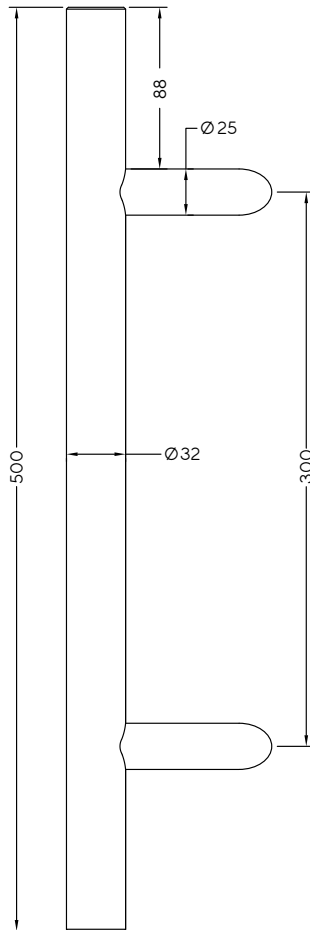
Each fixing is approx every 600mm.



17c 35mm Frame Extender Detail (Optional Extra)



# Handles



500mm offset bar handle

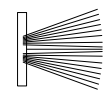
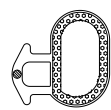
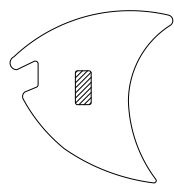
300mm all-in-one bar handle

Patio D-handle

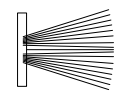
The OXXO and OXXXXO configurations are only available with the 500mm Offset Bar Handle

# Gaskets

Wedge Gasket	Rebate Gasket	7.5mm Brush Pile
W473P (G00037)	B2006 (G00156)	FPG (G000164)



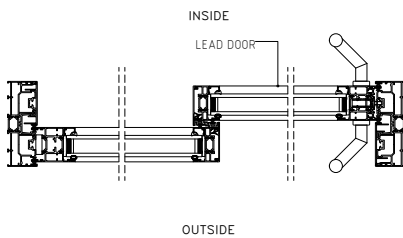
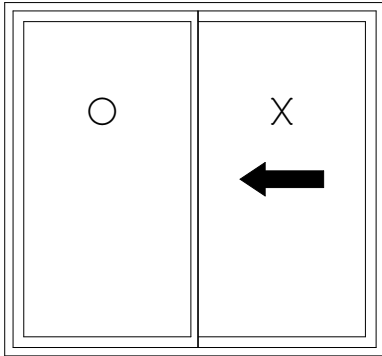
Wedge Gasket	Rebate Gasket	9mm Brush Pile
W474 (G00040)	QL4636 (G00008)	(G00142)



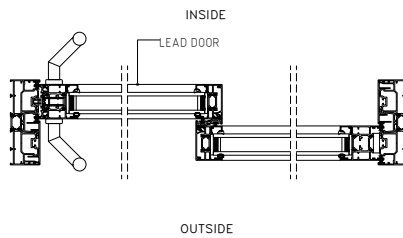
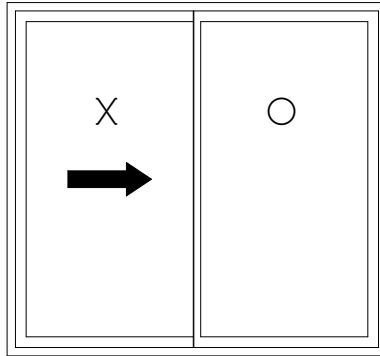


# All Configurations

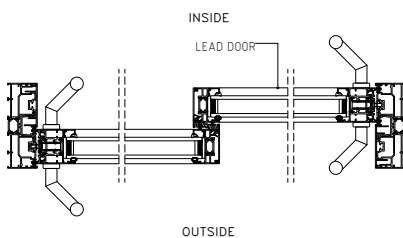
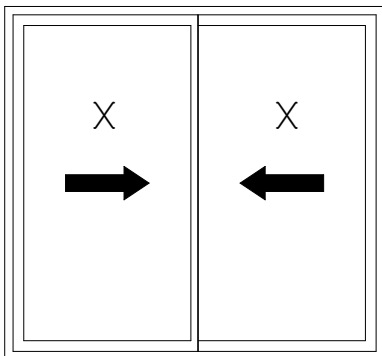
## 2 door configurations



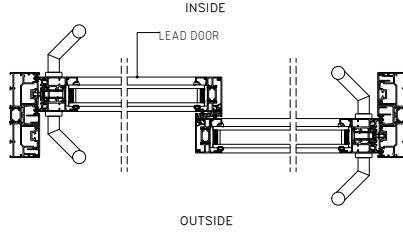
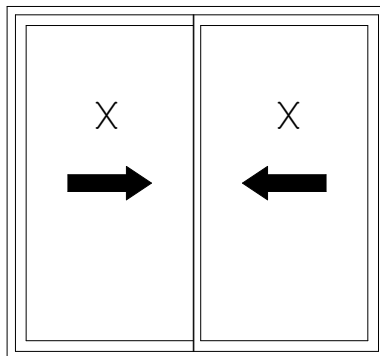
OX L (1+1 sliding left)



OX R (1+1 sliding right)

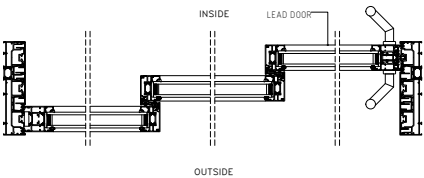
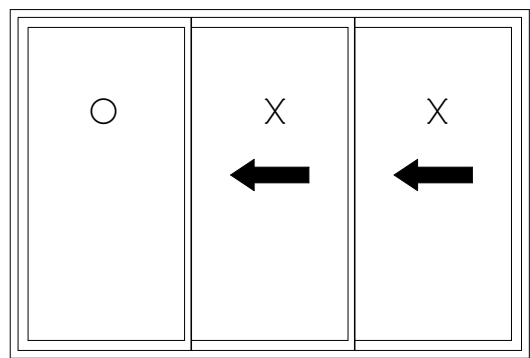


XX L (2+0 sliding left)

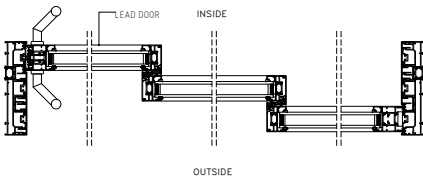
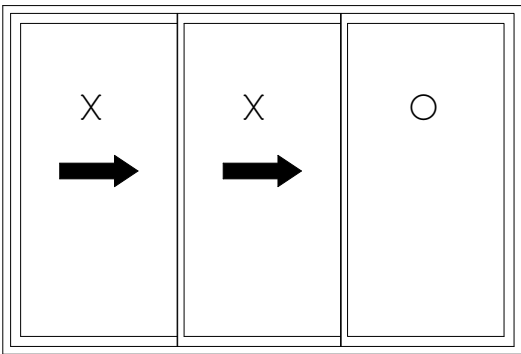


XX R (2+0 sliding right)

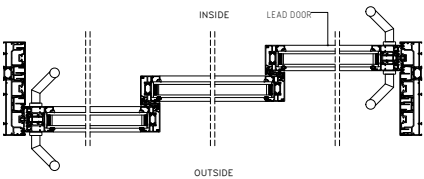
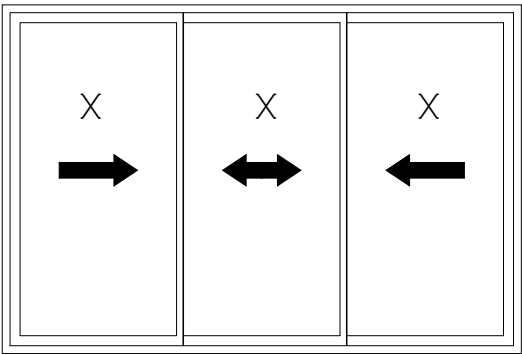
3 door configurations



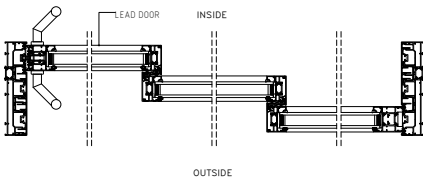
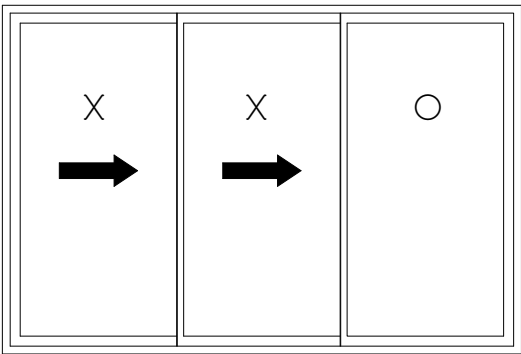
OXX L (2+1 sliding left)



XXO R (2+1 sliding right)



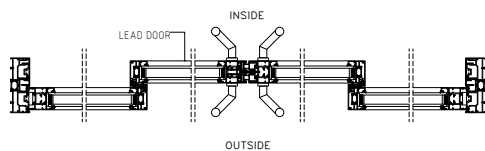
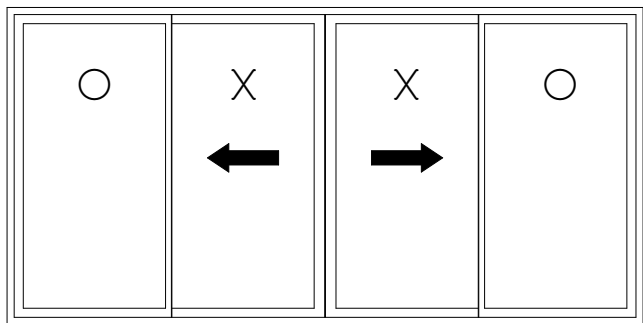
XXX L (3+0 sliding left)



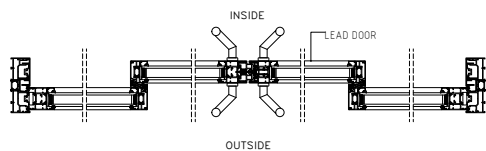
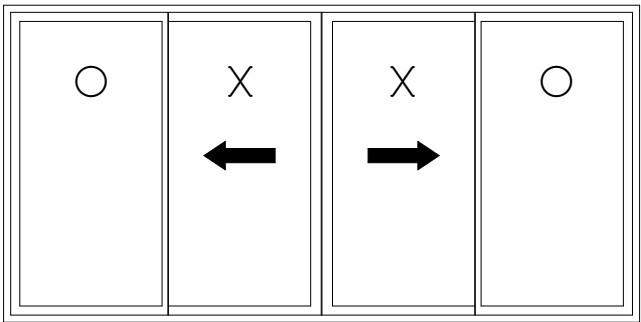
XXO R (3+0 sliding right)

All Configurations

4 door configurations

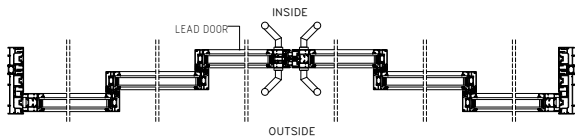
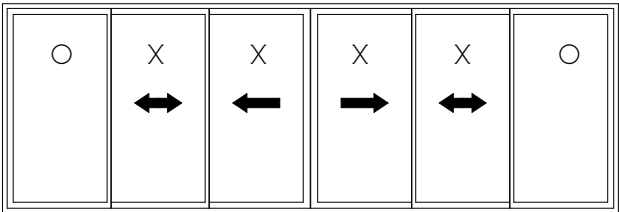


OXXO L (2+2 sliding left)

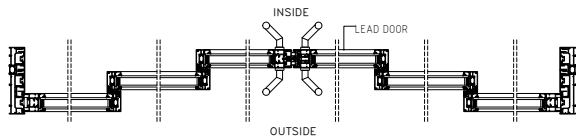
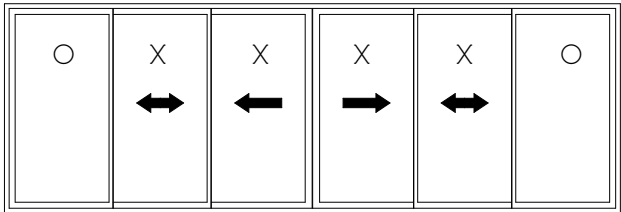


OXXO R (2+2 sliding right)

6 door configurations



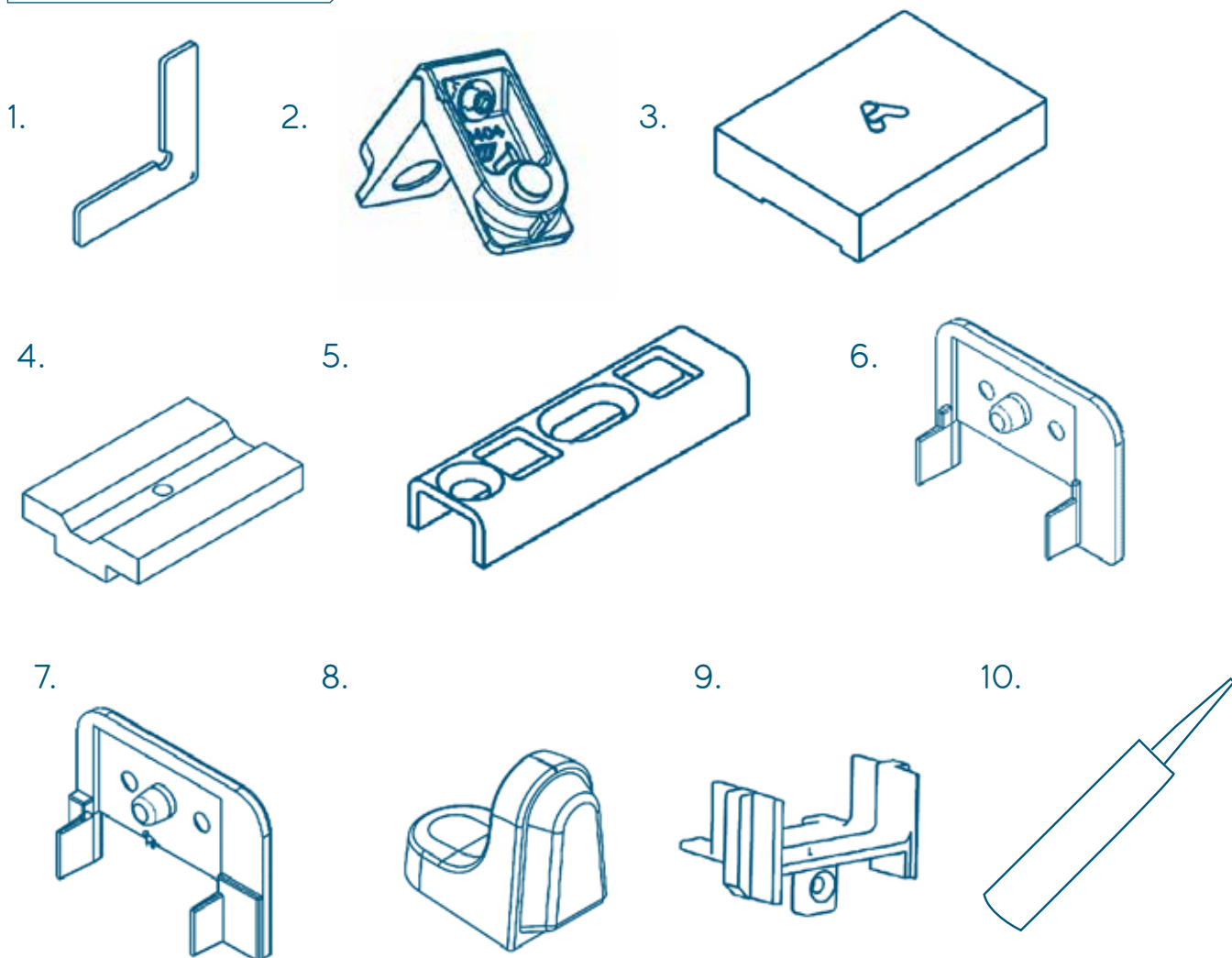
OXXXXO L (4+2 sliding left)



OXXXXO R (4+2 sliding right)

# Installation Guide

## Components box



Also included: Handles, Appropriate Glazing Gasket, Cylinder/ keys, Fixed sash fixings (4.8 x 80mm)

## Contents

- |                        |                              |   |
|------------------------|------------------------------|---|
| ▶ 1. Alignment Chevron | ▶ 5. Shoot Bolt Keep         | ▶ 8. Door Stop  |
| ▶ 2. Frame Cleat       | ▶ 6. End Cap (OS-29)         | ▶ 9. Slave Lockstile End Cap<br>For 4 & 6 door Slider |
| ▶ 3. Fixed Sash Space  | ▶ 7. End Cap (OS-44 / OS-77) | ▶ 10. Interlock Silicon<br>(OS-29 / OS-44)            |
| ▶ 4. Anti-Lift Block   |                              |   |

## Preparation

1. Check all components have been delivered  
(see components box items on page 48)
2. Check opening sizes are correct to ordered size
3. Check the substrate is plumb, level and flat/ replace any damaged or missing DPC under the threshold/ cill
4. The cill/ track must be supported across its depth to prevent twisting when the weight of the door is applied (Metal Packers are available for bottom track)

Measure and check the aperture width and height

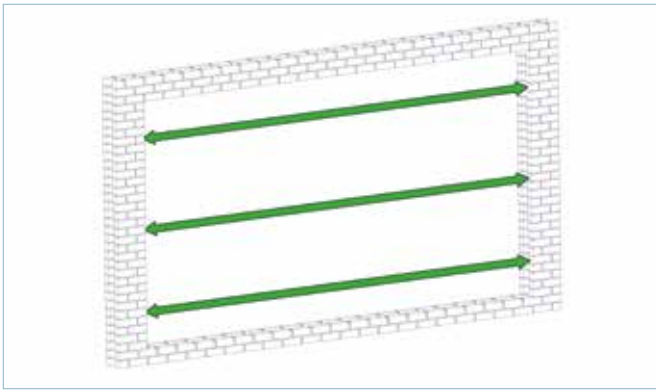


FIG 1

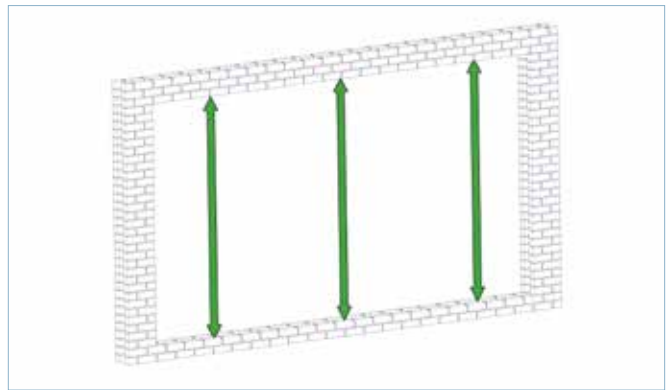


FIG 2

Level the threshold in both directions, packing every 500mm apart for the length of the opening.

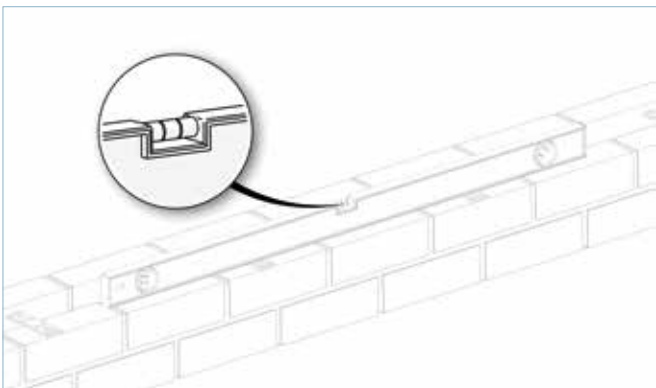


FIG 3

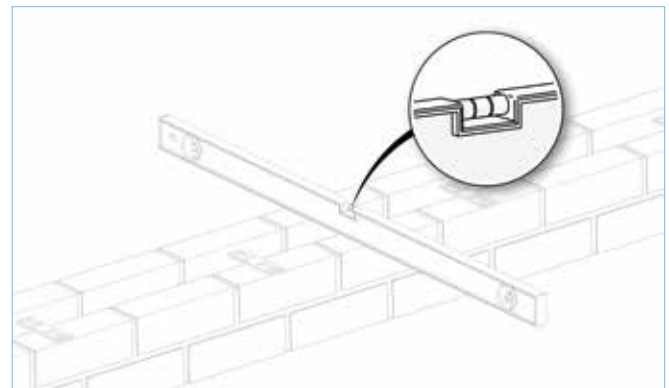


FIG 4

## Frame Install

1. Lay out the frame components (as labelled) in your work area
2. Insert the alignment chevrons. Location – directly beneath brush gasket position (FIG 6)
3. Apply sealant to the ends of the bottom track and attach the jambs, completely filling the bottom chambers where the water sits and around the edges
4. Align corners using the chevrons and then tighten using the 4mm allen key, making sure the joint is fully together. Once the corners are fully attached, fill the cleat locating holes and screw holes with silicone (this is essential on the bottom track) (FIG 7 & 8)
5. Wipe off the excess sealant
6. Attach the head to the jambs using the same process as described in points 2-5 above

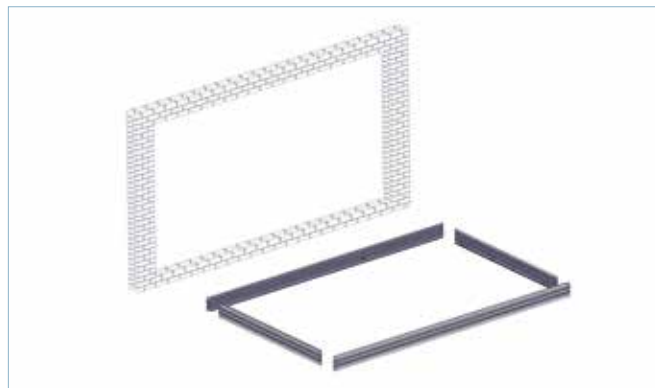


FIG 5

Lay frame profiles in front of aperture, being careful not to scratch the powder coat.

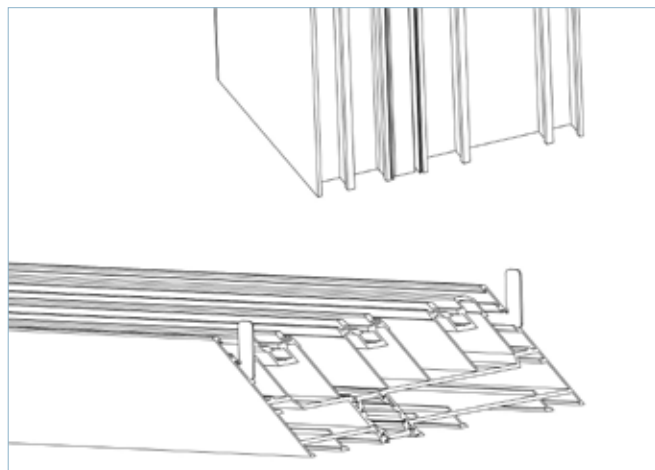


FIG 6

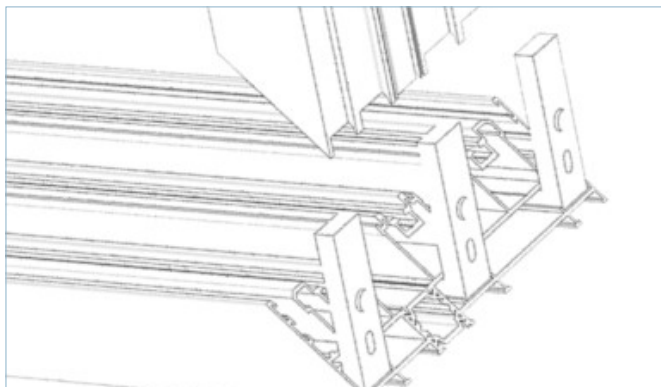


FIG 7

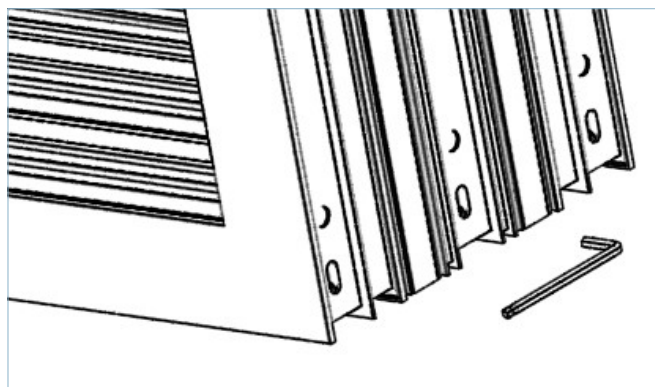


FIG 8

## Frame Install

1. Ensure that the bottom track/ cill is set flat and level and is supported along the whole length, making sure that the packing points are no less than 500mm apart
2. If using a drip bar, ensure that when fitted, all pre-drilled holes are filled with silicone before being fixed into position with the screws supplied (FIG 9)

A consistent bead of silicone is required between the drip bar and the track to ensure a complete seal

3. Offer the frame into the opening. Pack down above the top 2 corners to hold the frame in place (FIG 10 & 11)  
Check bottom track for level and make adjustments if necessary
4. Jambs must be plumb and straight – pack as necessary when fixing to avoid bowing or twisting (FIG 12 - 15)
5. Using suitable frame fixings, secure the bottom track and both jambs into position. If fixing the track to a cill, ensure any holes that break through the bottom of the frame and into the cill are filled with silicone before being fixed (FIG 9A)  
**NB:** The fixings should be between 100mm-150mm from the corners, and a maximum of 600mm between centres of the fixings on all four sides of the frame.
6. Check the frame is square and adjust if required

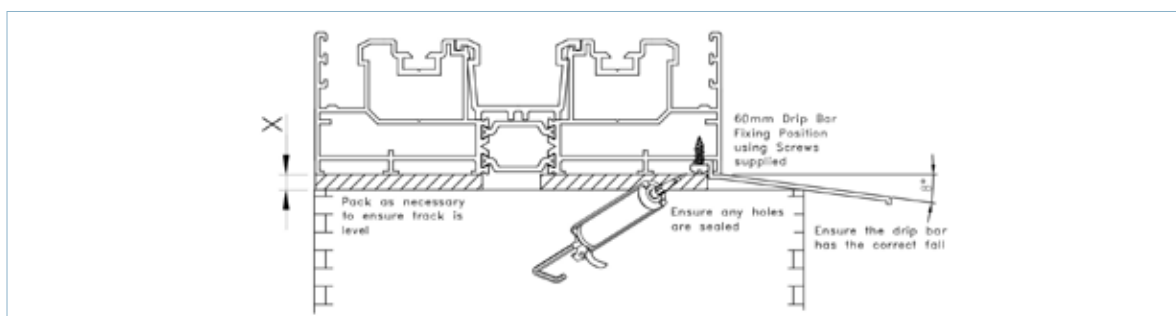


FIG 9

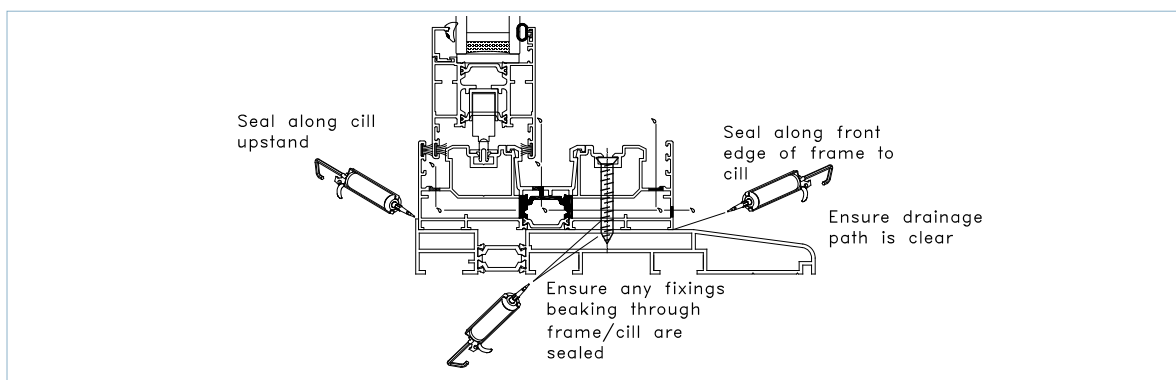


FIG 9a

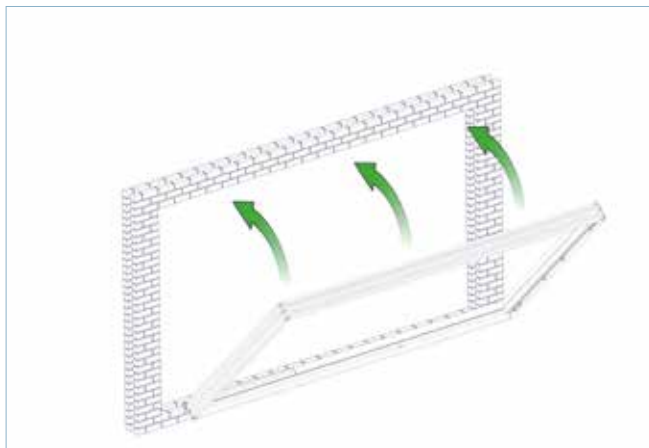


FIG 10

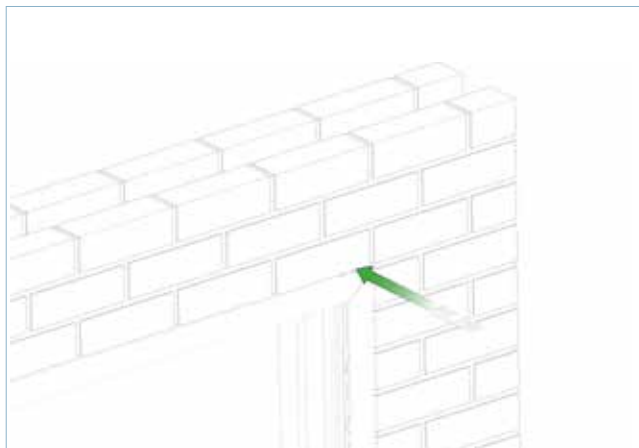


FIG 11 Insert packers above both jambs

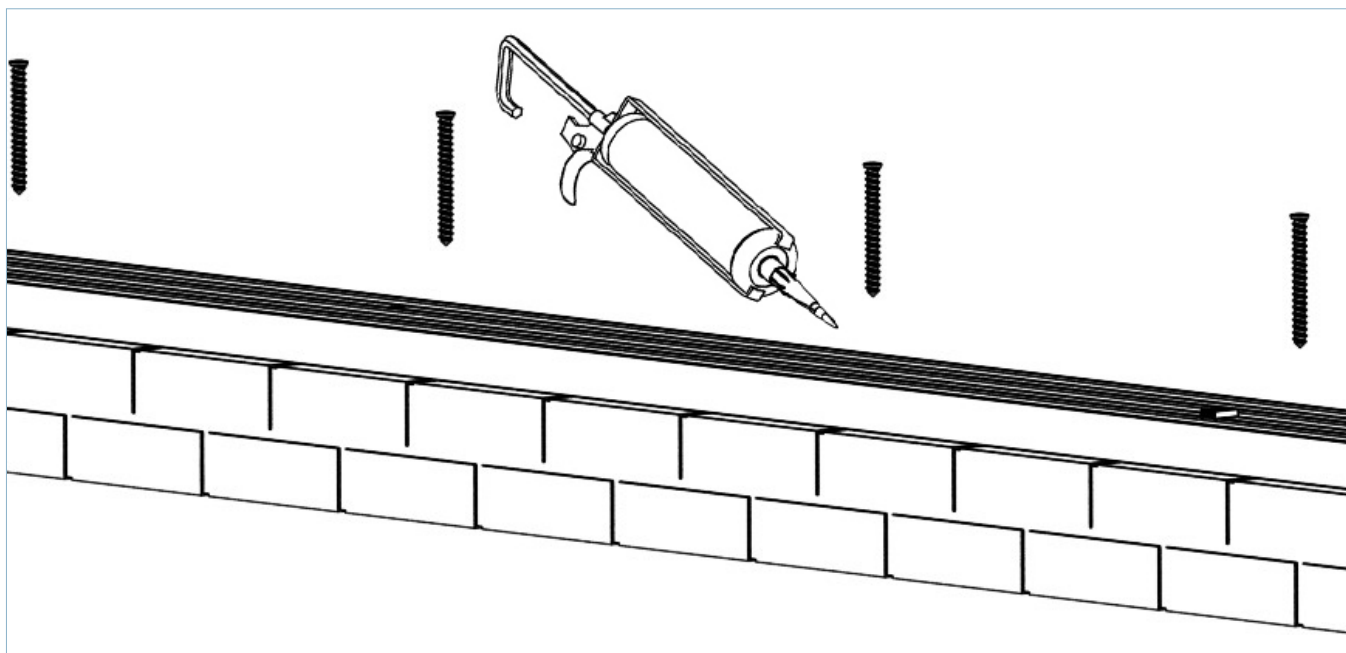


FIG 12

All holes will need sealing prior to the screws being installed.



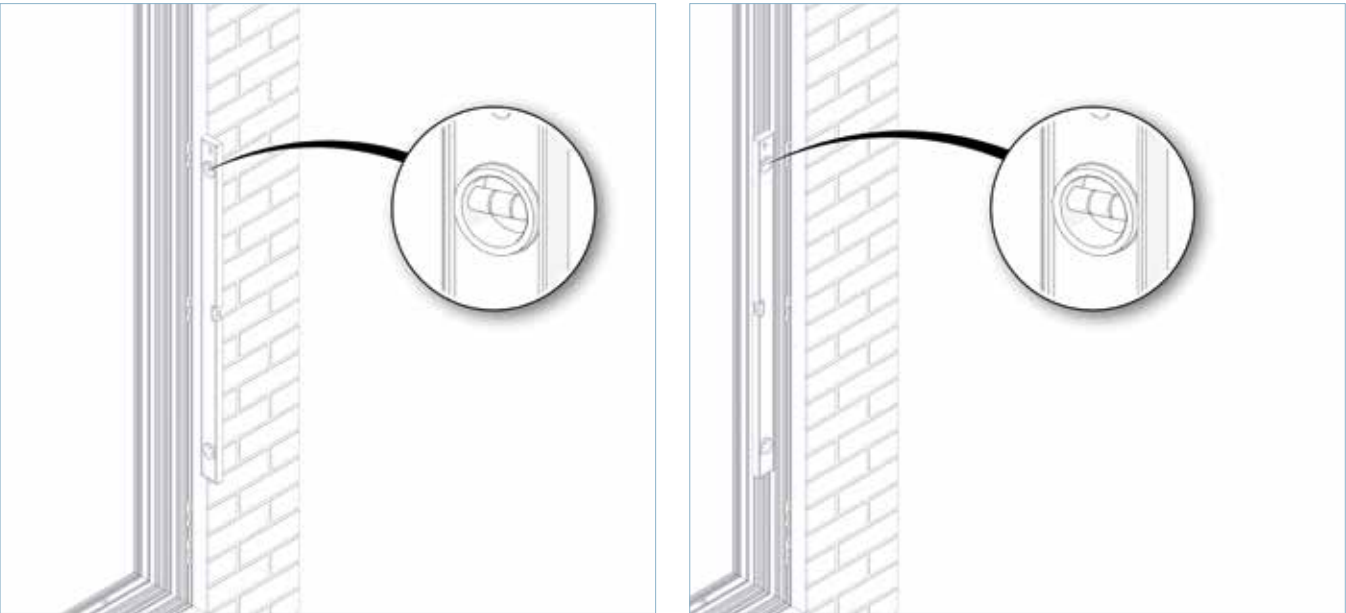


FIG 13

Level out jambs in both directions

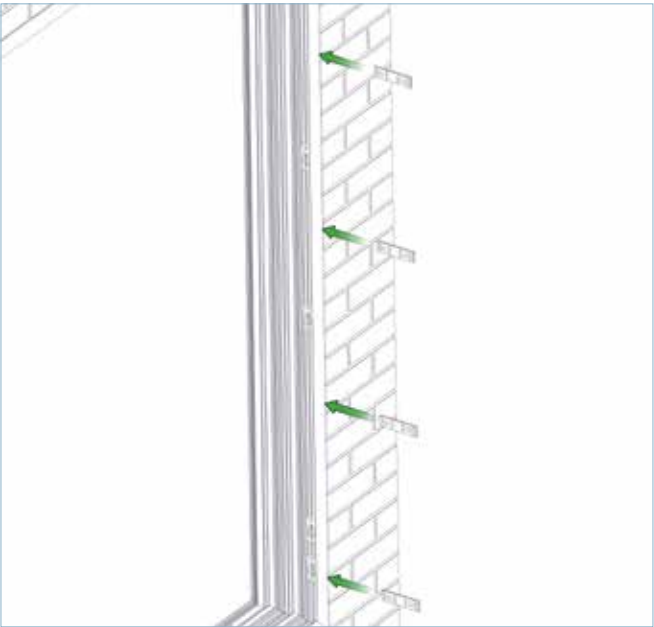


FIG 14

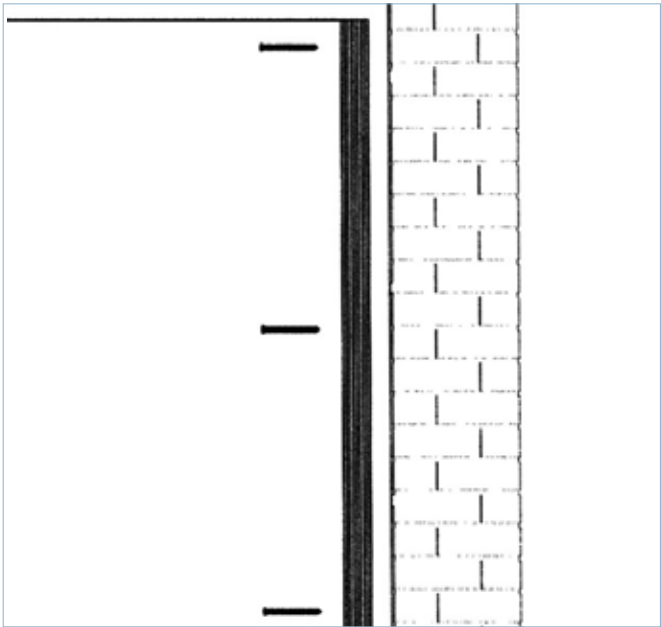


FIG 15

## Sash Install

1. If having a fixed sash, ensure the supplied sash packers are installed prior to installing the sashes

Fixing blocks should be spaced evenly around the frame at approx 500mm apart and screwed into the frame where the sash will sit

2. Insert the sash into the top track as far as possible (FIG 16)
  - b. Swing the bottom in and lower, so that the wheels of the roller engage on to its runner (FIG 17)

3. Repeat for all sashes

**NB:** *It may be necessary to lift the top track slightly to allow the bottom of the sashes to cross the runner*

4. If applicable, locate the fixed sash into place and secure using the screws provided

The sash should be lifted into position where there are no fixing blocks, then slid/ lifted into place. Fix using 4.8 x 80mm screws provided. Fix through the polyamide as close to the fixing blocks as possible. When doing this, check the level of the sash on the interlocker

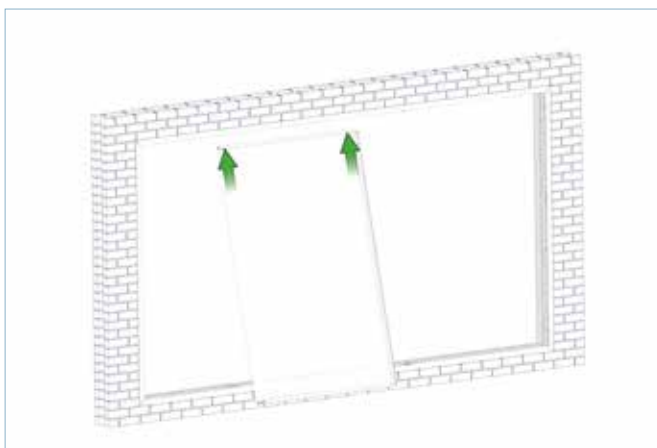


FIG 16

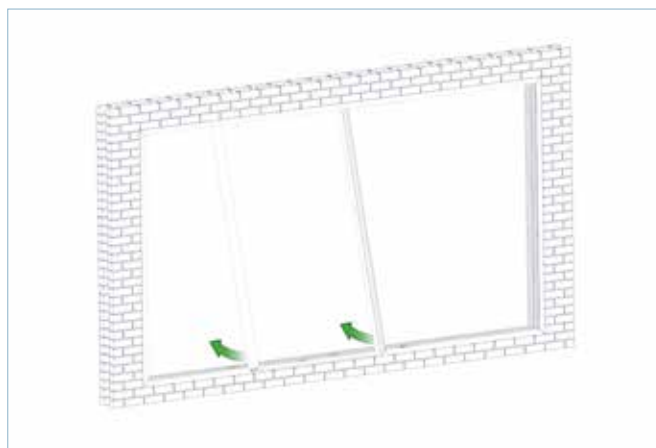


FIG 17

5. Ensure all sashes are running smoothly
6. Ensure that the sashes are level and run smoothly on the track.  
Ensure that the sashes are plumb at the meeting stiles and check that the interlocks engage. Make sure that the locking sash locks correctly when in the closed position. The beading should be removed from the sashes, ensuring that it is kept organised for relocation into the same positions during glazing
7. The sash can be levelled by adjusting the roller using a Hex 5 or PH2 long screwdriver depending on roller carriage used. The roller adjustment can be located at the bottom side of the sash (interlock side) (FIG 18)
8. The top track can now be fully secured. Care should be taken to ensure it is not bowed or twisted and is level along the entire length (FIG 19)

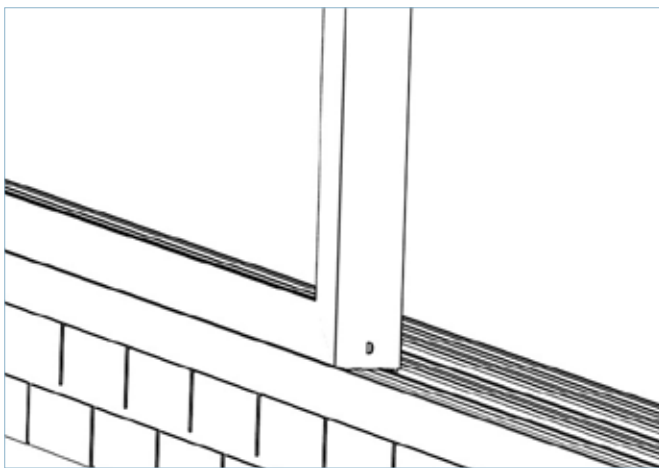


FIG 18

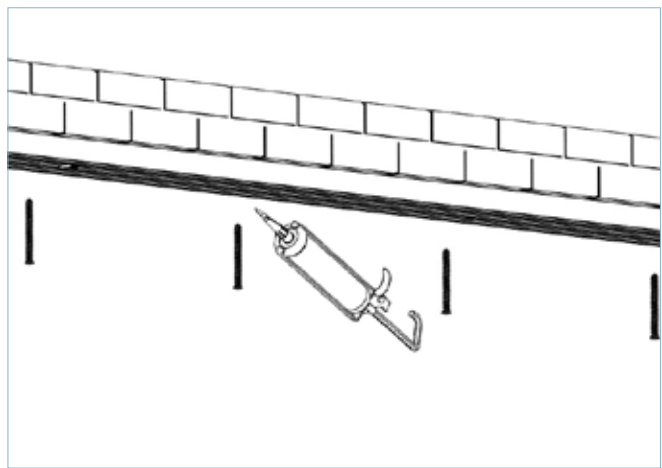


FIG 19

## Glazing

1. Start with the outside sash and work inwards
2. 4mm glazing packers should be positioned directly above each roller
3. Secure a 4mm packer in the glazing chamber and install the glazing bead on the side of the sash behind the adjoining sash interlocker

Install the top and bottom beads first, then the sides. Glaze from the outside sash to inside. Glaze, bond (if required) and wedge before moving to the inner sashes

If installing an OS-29 or OS-44, the glass should be bonded to the interlock using the supplied bonding agent. This should be a dab of agent at a maximum of 450mm intervals, the full length of the interlock.

4. Lift glass into position. Pack appropriately, making sure the sash remains square  
  
For the OS-44 or OS-29, make sure not to pack too tightly, forcing against the interlock, to avoid any twisting, as this can result in the interlocks clashing
5. Insert a short length of wedge gasket into the previously installed bead to make sure it remains in position
6. Install the remaining beads and insert the wedge gasket along all four sides
7. Repeat the steps above until all glass units have been installed
8. For the OS-44 or OS-29, ensure that the interlock remains square and is not twisted after glazing to avoid interlocks clashing

Use a straight edge on the interlock to ensure that this remains straight after installing the wedge gasket

## Installation Guide

1. Insert cover trims into jamb and track (if applicable)
2. Insert end caps into prepped holes on the interlock (inside and out) and install the supplied screws. The small brush strip fits to the back of the cap before fixing (FIG 20)  
  
End cap fixings holes need to be pre-drilled for OS-29
3. For 4 & 6 pane doors, end caps are fitted top and bottom of the slave door to close the gap where the sliding doors meet (FIG 21)
4. Insert the shoot bolt keeps into the top and bottom track and insert the provided screw into the slotted hole. Check the sash locks into place smoothly and the side to side movement is kept to a minimum. Once adjustment is complete, install the remaining screws (FIG 22)
5. With the doors closed, mark the track (non-permanent mark) 150mm in from each side of each sash. Slide open the door and fix the anti-lift blocks into position, in line with the previously made marks
6. Open the locking sash to the fully open position (being careful to allow space for the operators fingers between the handle and interlock). Locate the door stops on the bottom and top of the sash and fix into place using the supplied screws (FIG 23)

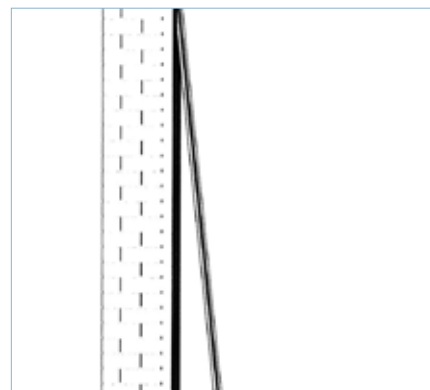


FIG 20

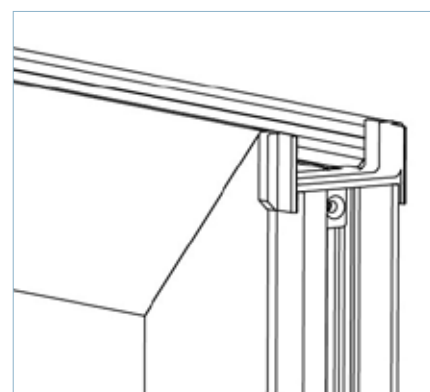


FIG 21

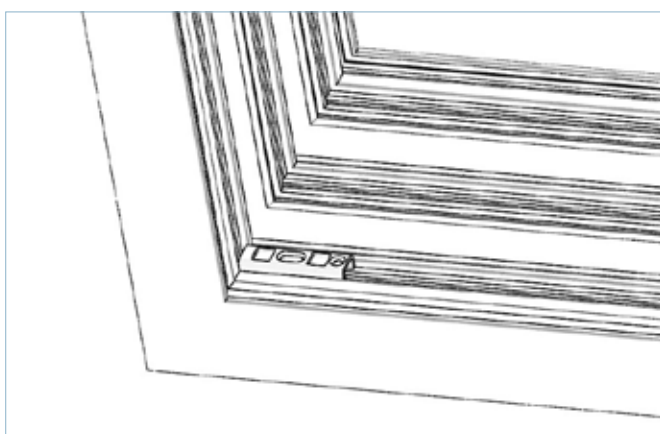


FIG 22

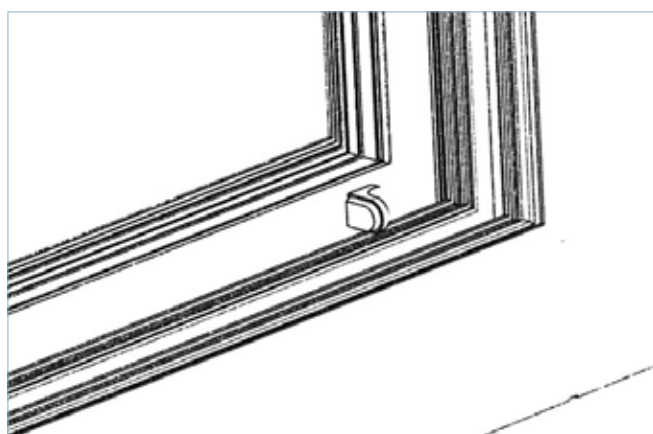


FIG 23

## Components List

Component	Code
Alignment Chevron	C00135
Frame Cleat	X209
Fixed Sash Spacer	C00514
Anti-Lift Block	X238
Shoot Bolt Keep	L191
End Cap (OS-44/ OS-77)	X229
End Cap (OS-29)	C01561
Door Stop	X212
Slave Lockstile End Cap For 4 & 6 door Sliders	X115
Interlock Silicon (OS-29/ OS-44)	C00546
Offset bar handle	H045
300mm All-in-one handle	H113

# Accreditations...

At Origin, we pride ourselves on providing best quality products backed by best levels of service and efficiency. Put simply, our aim is to continuously learn, evolve and improve.

We are well known for having rigorously high standards in everything that we do. We're also known for innovation, but we never want to settle: if there's a way that we could do something better, we will find it.

This ethos has been instilled throughout Origin. Whether it's a process, product offering or even the company's sustainability, we have created a culture that encourages continuous improvement.

To demonstrate our commitment and as a way of measuring our performance, we work towards gaining certain prestigious accreditations. Our achievements show a strong moral and ethical intent in how we operate and how we try to do things the best way, not because we are told to do so, but because we think it is the right thing to do.

## ISO 9001 – Quality Management...

ISO 9001 is an international standard that assesses a company's quality management system. Having first achieved it in 2013, the fact that we still are certified means that we have a track record of consistently providing products and services that meet both customer and regulatory requirements.

It's something that we take very seriously and its influence is integrated into every process.

Key areas of this include:

Product quality – To ensure a product's overall manufacture is flawless, we have checks in place to guarantee you the best quality. A few examples are:

- Supply chain – an inspection at the point of delivery and before going into manufacturing. If anything is spotted, it's documented and raised with the supplier.
- Production – there are quality checks at every station, not only to look over the previous person's work, but to review the quality of the overall build.
- Equipment – a robust maintenance schedule for machinery and equipment ensures consistency.
- Pre-delivery – before it is packaged and loaded ready for delivery, there's another thorough check to ensure nothing's happened whilst being moved from station to station.
- Feedback – as part of our mission to always innovate, whether it's from internal or external stakeholders, feedback is imperative. We are very proactive at bringing this type of information back into the business and learning, as it gives us an opportunity to improve.
- Training and development for our employees – meaning we're better at understanding the good, the bad, and what we can do better.



## ISO 45001 – Health & Safety Management...

Whether it's through improving homes with our products, or in our workplace, people are at the heart of everything that we do at Origin, so we are very proud to have achieved a triple badge accreditation when we received our latest accolade – ISO 45001.

ISO 45001 recognises our commitment to employee safety, and reduces workplace risks to create a better, safer working condition. We have spent time reviewing all the activities that go on within the offices, manufacturing centres and warehouses, and have created a full risk log which will link up to our current risk assessments. These are fed back so they can be actioned to be rectified or developed into an improved method of operating.

This means that you can buy from our range safe in the knowledge that we are minimising risks as much as we can for optimum safety.



## ISO 14001 – Environmental Management...

Now more than ever, we need to be aware of the impact our operations may have on our environment; the legal obligations we must adhere to, and ensuring we are doing things the right way.

The internationally renowned ISO 14001 accreditation measures the environmental management system that we have in place. It's a subject that's very close to our hearts, which is why working towards this standard was an easy decision.

We care about the resources we use for our products – where they come from and where they end up. To add to this, we aim to be zero waste to landfill and have already put into place many positive changes to make this happen. We want our customers to buy from us with a clear conscience and feel that ISO 14001 can prove that Origin is taking responsibility, acting ethically, legally and exercising best practice in all that we do. Our environmental management system covers:



## Accreditations

- Waste management and energy targets – to reduce our consumption and impact on the environment  
Helpful hints, tips and reminders are prompted to all staff regularly, so that they can join us in our goal and see how small changes to their work practices can have a big impact.
- Product design and lifecycle – recyclability and sustainability are a design priority for us.
- Supply chain – choosing suppliers that are aligned with our ethos and vision. This is applicable not only when bringing on new suppliers, but also working with existing ones to better their carbon footprint – whether that's minimising packaging, reusing or even our drivers picking up the materials on their routes, rather than a supplier sending their own fleet, we are constantly reviewing how we can improve.



## BES 6001 – Responsible Sourcing in Construction...

Also known as the BRE Environmental and Sustainability Standard, it is a framework that assesses the responsible sourcing construction products. Developed by the Building Research Establishment (BRE), it provides a robust methodology for evaluating the sustainability credentials of manufacturing materials and products.

BES 6001 focuses on three main pillars: social, environmental, and economic sustainability. It sets criteria for responsible sourcing practices, including the responsible sourcing of raw materials, ethical supply chain management, and environmental impact reduction throughout the product's lifecycle.

By achieving BES 6001 certification, we can demonstrate our commitment to sustainable practices and provide reassurance to customers and stakeholders. This standard encourages transparency, drives continuous improvement which is at the core our practices, and helps create more sustainable buildings and construction infrastructure.

Overall, BES 6001 plays a significant role for Origin in promoting sustainable development within the business by setting clear guidelines for responsible sourcing and encouraging the adoption of environmentally friendly practices.



## Qualicoat...

Qualicoat is a globally recognised accreditation for powdercoating. It certifies that our dedicated state-of-the-art facility meets and exceeds required levels, highlighting that our operations are ethical, and that we have a proven track record of delivering products that are of a consistently high standard.

Qualicoat covers key aspects such as corrosion and scratch resistance, coastal environment durability, and temperature tolerance. This ensures that the finish on our products is not only visually appealing, but is robust to handle the challenges of everyday use.

Our commitment to quality and innovation is reflected in our:

- Performance standards - providing lasting protection against weather, corrosion, and wear
- Finishing excellence - ensuring colour consistency, paint retention, and longevity

Qualicoat is more than a standard – it's a promise that the finish on every product we deliver meets the highest level of quality.



## Contact

## Accounts

**t** 08448 802 371 or 01494 416 895

**e** Finance@origin-global.com

## Marketing

**t** 08448 802 374 or 01494 416 897

**e** Marketing@origin-global.com

## Sales Operations

**t** 0808 168 5816 or 01494 686 868

**e** [OrdersNorth@origin-global.com](mailto:OrdersNorth@origin-global.com)

**e** [OrdersSouth@origin-global.com](mailto:OrdersSouth@origin-global.com)

## Fleet and Logistics

**t** 08448 802 378 or 01494 416 898

**e** [Logistics@origin-global.com](mailto:Logistics@origin-global.com)

origin

## DOORS AND WINDOWS

Origin Global HQ, Stuart House, Castle Estate,  
Coronation Road, High Wycombe  
Buckinghamshire, HP12 3TA

t 0808 168 5816

e enquiry@origin-global.com

**w** [www.origin-global.com](http://www.origin-global.com)



THE QUEEN'S AWARDS  
FOR ENTERPRISE:  
INTERNATIONAL TRADE  
2020