

The background image shows a modern building with large, black-framed windows. The windows reflect a lush green garden with trees and a stone patio area. The text 'origin' is written in a white, lowercase, sans-serif font, and 'Spec Guide' is written in a larger, white, uppercase, sans-serif font. Below the main title, the text 'OB36+ Single | French | Bi-Fold' is written in a smaller, white, sans-serif font.

origin Spec Guide

OB36+ Single | French | Bi-Fold



Spec Overview

OB36+ External Door



Profile Specification

Frame Depth	82mm
Hinge Jamb	53mm
Sash Depth	74mm
Sash Width	36mm
Hingestile Glass-to-Glass Sightline	84mm
Track Height (not including rebate)	56mm
Low Threshold Height	30mm
Non-Weathered Threshold Height	56mm
Weathered Threshold Height	69mm
Glazing Options	28, 28.8, 44 and 46.8 mm



Features

The features of OB36+ are really what makes it a design statement, as well as the right choice when it comes to thermal performance.

- Soho, Gallery and Georgian style aesthetics available
- Exceptional performance - U-Values as low as 0.78 W/m²K
- Squared bead internally and square rebate externally
- 3-Star Diamond Cylinder with Multipoint Lock¹
- Open-in or open-out
- Solid zinc hinges
- Concealed running gear, featuring a unique freeglide carriage assembly, using acetal rollers with sealed stainless steel bearings on an 8mm hardened stainless steel axle
- Colour-coded gaskets
- Colour-coded metal interlock caps
- Available in over 150 RAL Colours
- Marine grade powder coating
- Up to a 20-year guarantee on parts*

¹Not available on even sliding sets

*Visit origin-global.com for Terms and Conditions



Colours

OB36+ is available in the following popular colours, along with Hipca White - 9910G/M, and in over 150 special RAL colours.

All colours are available with an optional Marine finish.

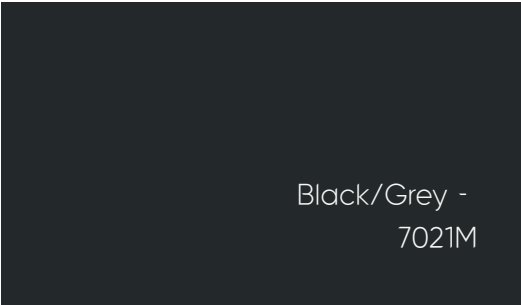
Visit origin-global.com for up-to-date lead times.

A solid, dark grey color swatch.

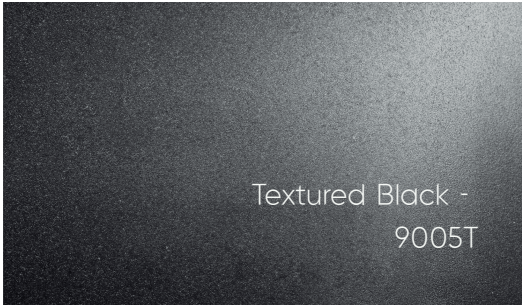
Anthracite -
7016M

A solid, deep black color swatch.

Jet Black -
9005M

A solid, dark grey color swatch.

Black/Grey -
7021M

A solid black color swatch with a fine, grainy texture.

Textured Black -
9005T



Options and Extras

OB36+ has an extensive selection of flexible design options to fully customise any lifestyle.

- Configure as a **Single, French, Bi-Folding** and **Fixed**
- Traditional Soho-style lock block and integral glazing divides
- Double and triple-glazing
- All Cills (inc. Face Drainage and Concealed Drainage)
- Door-to-Window T-Coupler
- Colour-coded gaskets
- Keyed Alike
- Fixing straps
- Signature Knurled Handles in six PVD finishes
- Stainless-steel or colour-coded running gear
- Hinges in stainless steel finish or colour-coded
- Door-to-window coupling available
- Trickle vents available in either 4000EA or 5000EA
- Door restrictors
- Flat trim
- Magnetic Keeps



Handles and Hardware Options

Handles*

Signature Knurled:	Antique Brass Brushed Black Brushed Bronze Rose Gold Satin Brass Satin Stainless
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Contemporary:	Colour-coded Stainless Steel
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D-Handle:	Colour-coded Stainless Steel Finish
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Slave Handle:	Colour-coded Stainless Steel Finish
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**These are popular handles. Please see OSS for additional options, including thumbturn.*

Hardware

Fork:	Colour-coded Stainless Steel Finish
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Door Restrictors:	90° 135°
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Magnetic Keeps:	Colour-coded
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Trickle Vents:	Anthracite Black White
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System Options

Component

Flat Trim: 25mm | 31mm | 50mm

Concealed Drainage*: 155mm | 180mm

Dummy Lock Block: Yes

Kickplate: Yes

Frame Extender: 15mm | 35mm

Low Threshold *(non-bi-folding configurations only)*

**Only available with a cill*

Thermal Matrix

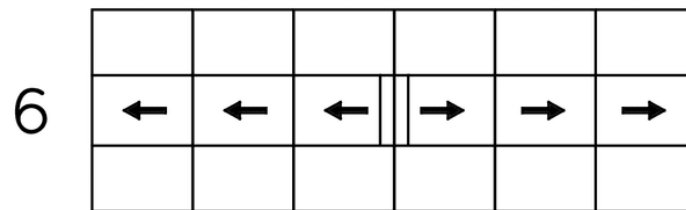
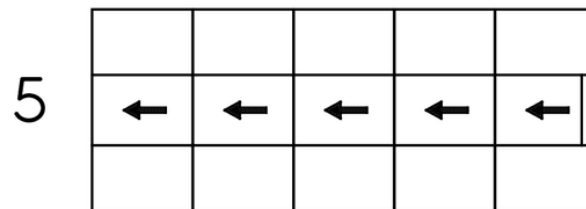
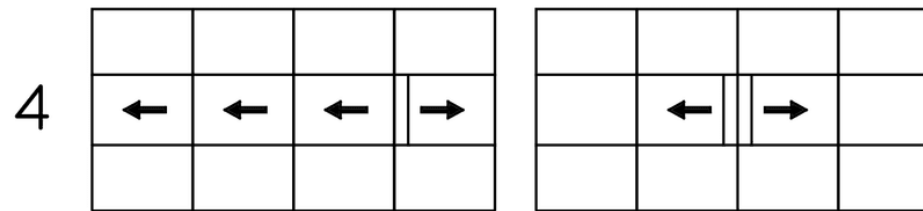
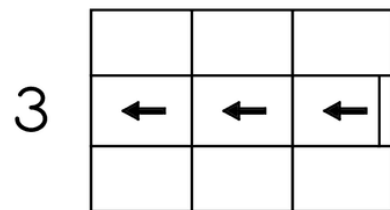
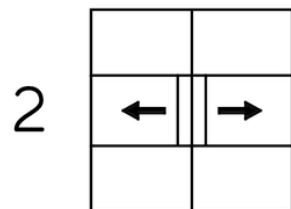
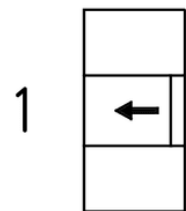
Glazing	Centre Pane U-Value	Width (mm)	Make-Up	Weight (kg/m ²)	Coating Example	U-Value (W/m ² K)
Double	1.2	28	4 / 20 / 4	20	Planitherm Total +	1.4
Double	1.2	28	6 / 16 / 6	30	Planitherm Total +	1.4
Double	1.1	28	4 / 20 / 4	20	Planitherm ONE	1.2
Double	1.0	28	6 / 16 / 6	30	Planitherm ONE	1.2
Triple	0.9	44	4 / 16 / 4 / 16 / 4	30	Planitherm Total +	1.1
Triple	0.8	44	4 / 16 / 4 / 16 / 4	30	Planitherm ONE	1.0
Triple	0.6	46	4 / 16 / 4 / 16 / 4	30	2 x Total +	0.85
Triple	0.5	44	4 / 16 / 4 / 16 / 4	30	2 x ONE	0.78

Size Limitations

Detail	Min.	Max.
Sash Height	960mm	2,846mm
Sash Width (Lead)	534mm	1,200mm
Sash Width	325mm	1,200mm
Nº. Sashes	-	14
Set Height	1,045mm	3,000mm
Max Set Width (without track connectors)	-	6,000mm
Max Set Width	645mm	15,000mm
Nº. Glass Divides	2	4
Glazing Options	28, 28.8, 44 and 46.8 mm	

Configurations

OB36+ is available in the following popular and special configurations.
Soho-style configurations are for illustrative purposes.



Specials

1+FL

1+1+FL

1+FL+FL

3+FL

1+1+FL+FL

3+FL+FL

FL+1+1+FL+FL



Handles

Handle Options

Sophisticated in design, the refined suite of handles have been engineered to instil confidence through its looks, touch and operation, and guarantees to draw you in from the very first interaction.

Specify from either our Signature Knurled in six stunning colourways, or our Stainless Steel handles, which can colour-coded to any RAL option.

SIGNATURE KNURLED

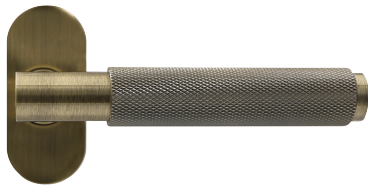
STAINLESS STEEL

D & SLAVE



Signature Knurled

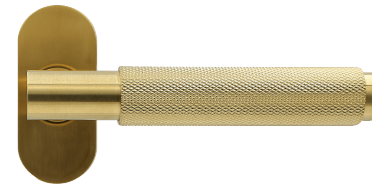
OB36+ is complemented by our Signature Knurled Handle, which is available in six stunning finishes, each with colour-matched escutcheons.



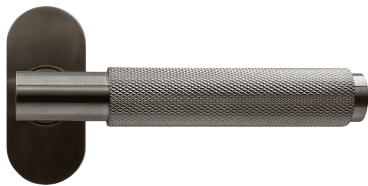
Antique Brass



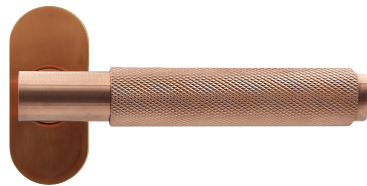
Brushed Bronze



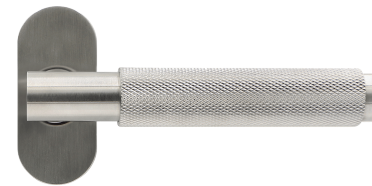
Satin Brass



Brushed Black



Rose Gold



Satin Stainless

Stainless Steel

OB36+ is accompanied by our Signature Knurled Handle, however should a bespoke colour be desired our Stainless Steel handle can be colour-coded to any RAL option.



Slave and D-Handles

Slave and D-handles are secondary handles used to open and guide the doors along the track. They have been designed by Origin to withstand a pull of 1,600 Newtons, and just like the main handles, they can be colour-matched or chosen in a stainless steel finish.





Options



Thresholds

Weathered, non-weathered and low thresholds are available, so you can pick the right option to cater for your customer's needs.

Door Restrictors

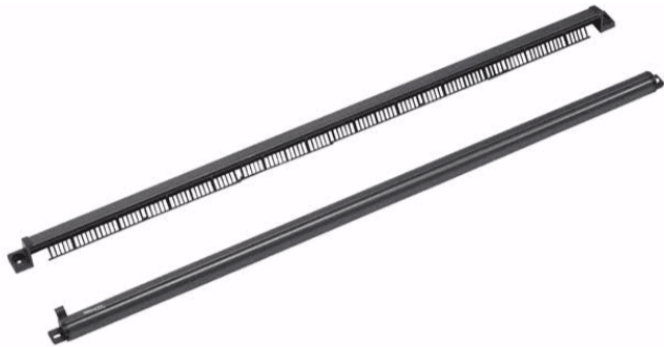
We offer either a 90° or 135° door restrictor that will limit the door's opening to the respective angle.



Trickle Vents

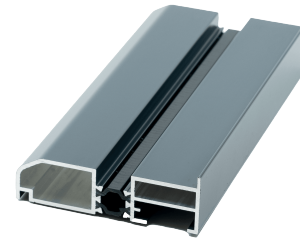
Trickle vents have to meet the minimum air flow rates as defined in the British Building Regulations.

Should it be required, OB36+ can be specified with discreetly designed trickle vents which are installed through the top track for additional ventilation, ensuring the doors meet and surpass building regulations.

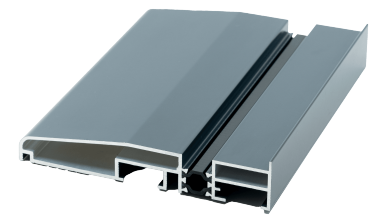


Cills

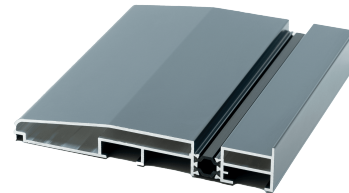
Choose from four powder coated cill options to complement OB36+.



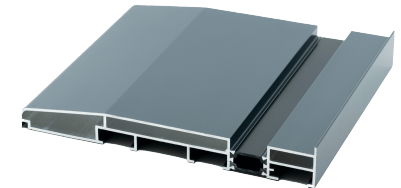
95mm



155mm



180mm



225mm



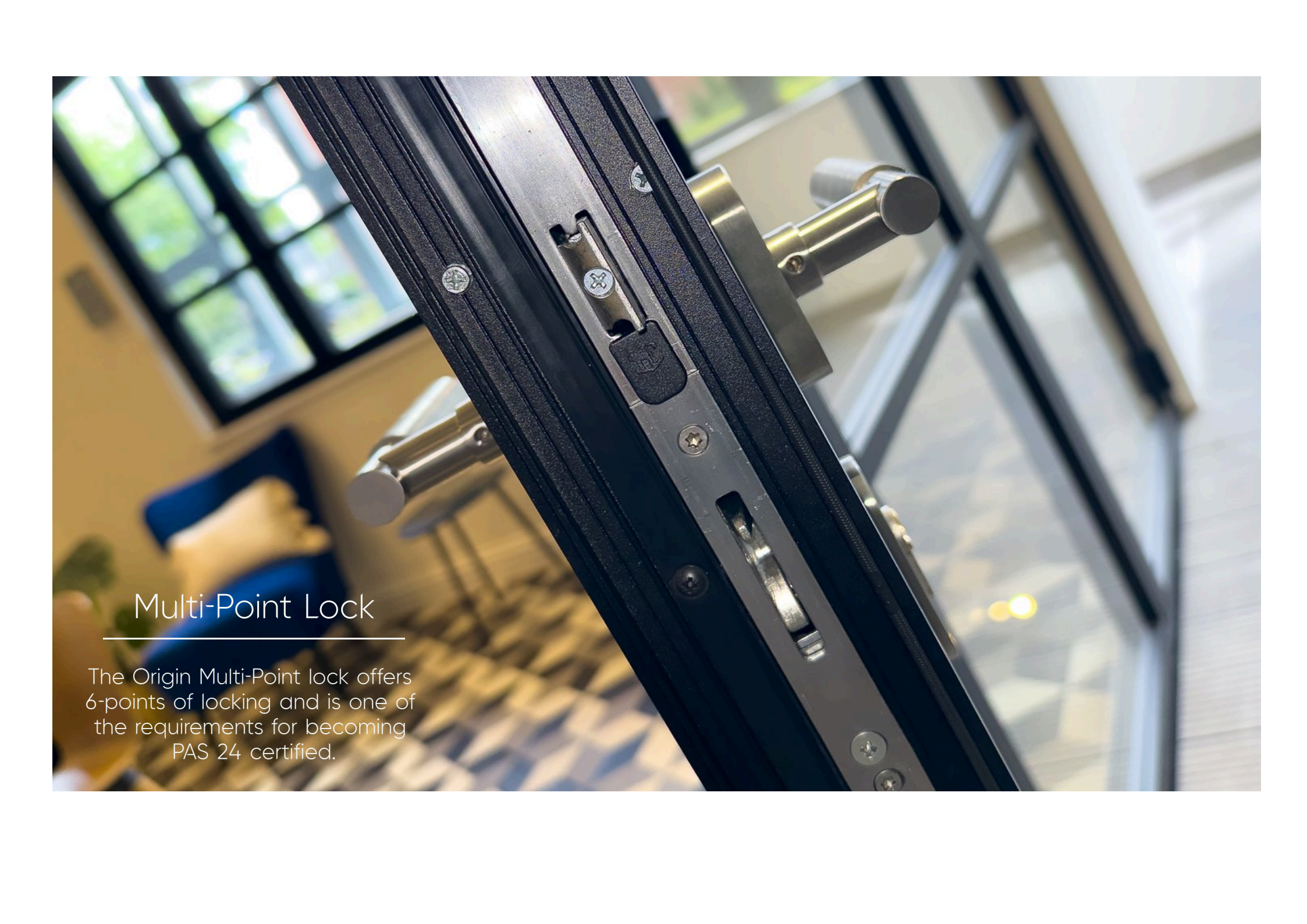
Security

Security Features

OB36+ complies with and exceeds all required security accreditations, achieving PAS 24. It features a bespoke 8-point locking system and includes chamfered 20mm linear bolts and deep throw 25mm security hooks.

- PAS 24 certified
- Bespoke Multi-Point lock
- 3-Star Diamond Cylinder



A close-up, low-angle shot of a multi-point lock mechanism on a dark-colored window frame. The lock is made of polished metal and features several screws and a central handle. The background is blurred, showing a window with multiple panes and some indoor plants.

Multi-Point Lock

The Origin Multi-Point lock offers 6-points of locking and is one of the requirements for becoming PAS 24 certified.



A close-up photograph of a dark-colored door featuring a 3-Star Diamond Cylinder lock. The lock has a polished metal handle with a fine, cross-hatched texture. Below the handle is a silver-colored oval plate with a keyhole. The keyhole has a small label with three stars and a diamond symbol. The door has a sleek, modern design with a diagonal groove running across the frame.

3-Star Diamond Cylinder

OB36+ is available with a 3-Star
Diamond Cylinder as standard.



Performance

Product Performance

All Origin products are built to last, and thoroughly tested, which is why we offer an industry-leading guarantee of up to 20-years on parts.

OB36+ has been designed for maximised thermal efficiency, and has been engineered with a polyamide thermal break.

Ultra-slim frames, maximum viable glass coverage and airtight seals all contribute to ensuring that OB36+ can meet a highly efficient 0.78 U-Value with triple-glazing.

Performance, Testing and British Building Regulations*

PAS 24

2022

Secured By Design

Awaiting certification

Air Permeability

Class 3, 600 Pa

Water Tightness

Class 7A, 300 Pa

Wind Loading

Class A3, 1200 Pa

BS 6375 Parts 1, 2 and 3

Passed 50,000 lead sash cycles and 10,000 full cycles, equating to 25-years of use.

New Build Limiting Value*

1.6 W/m²K

Replacements*

1.4 W/m²K

Energy Rating

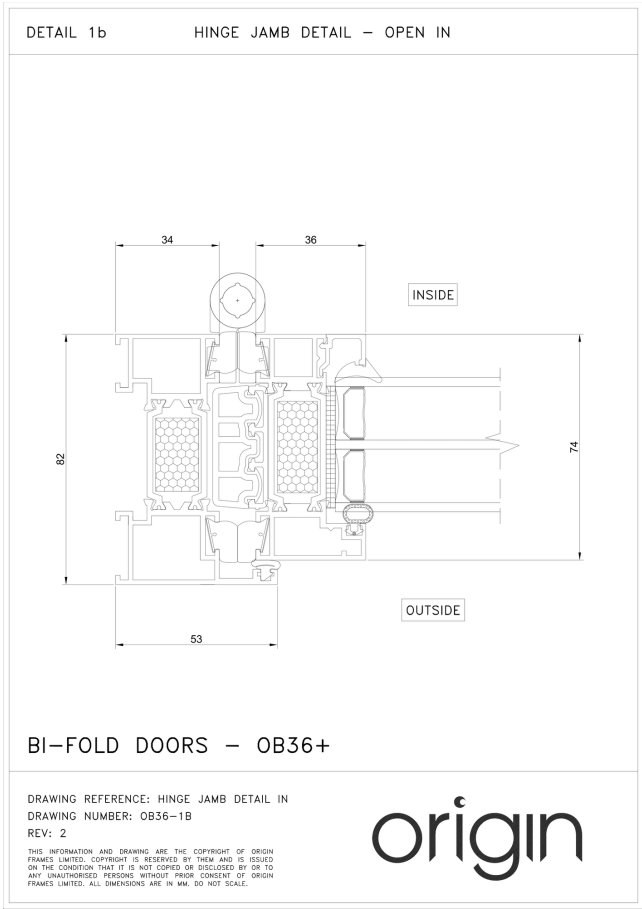
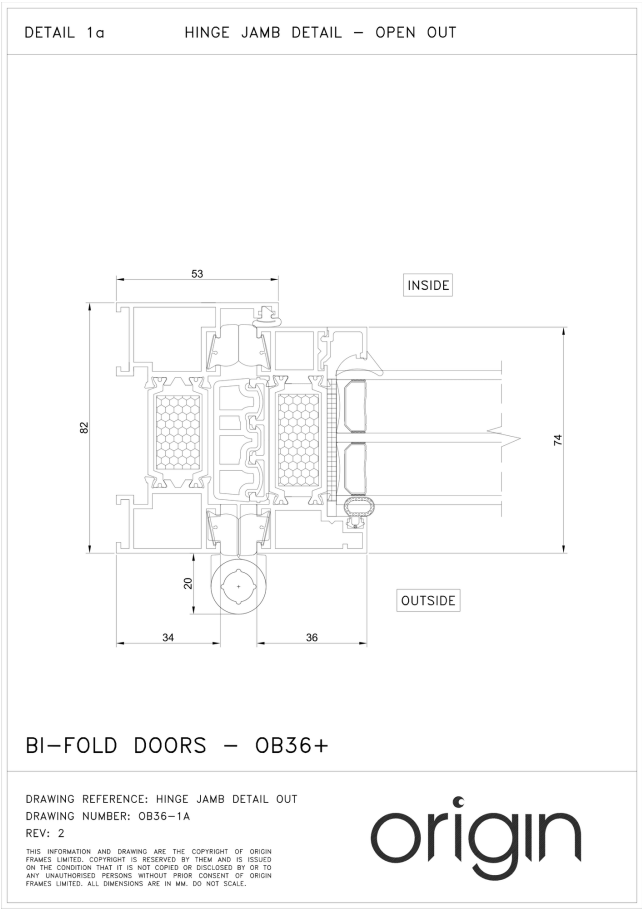
C or better

**All doors must conform to these requirements*

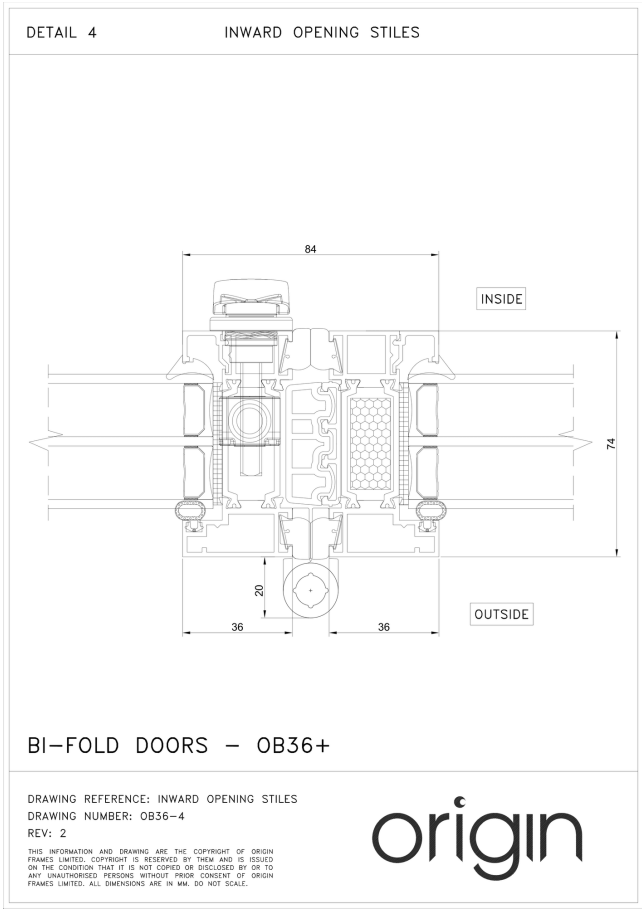
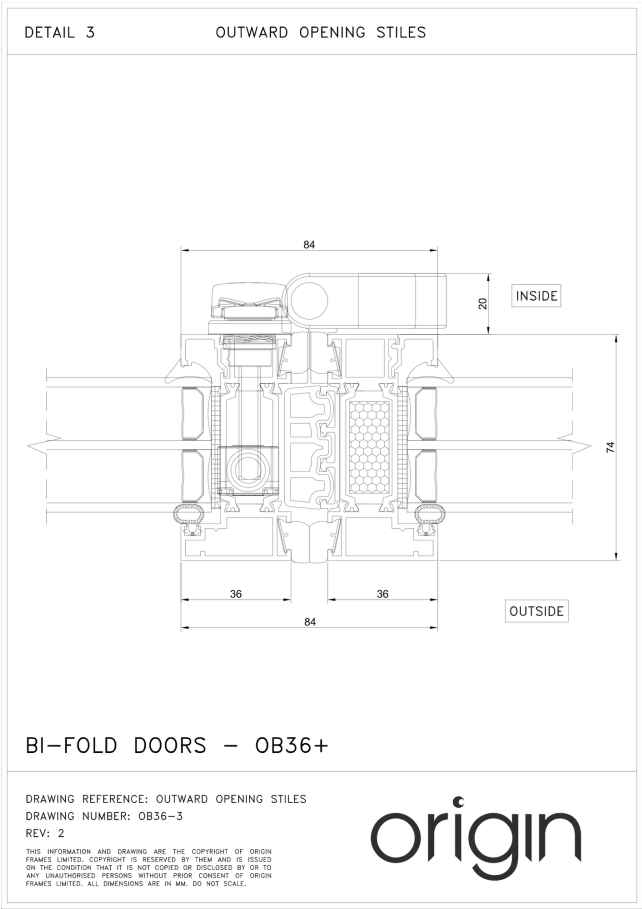


Tech Drawings
[Download](#)

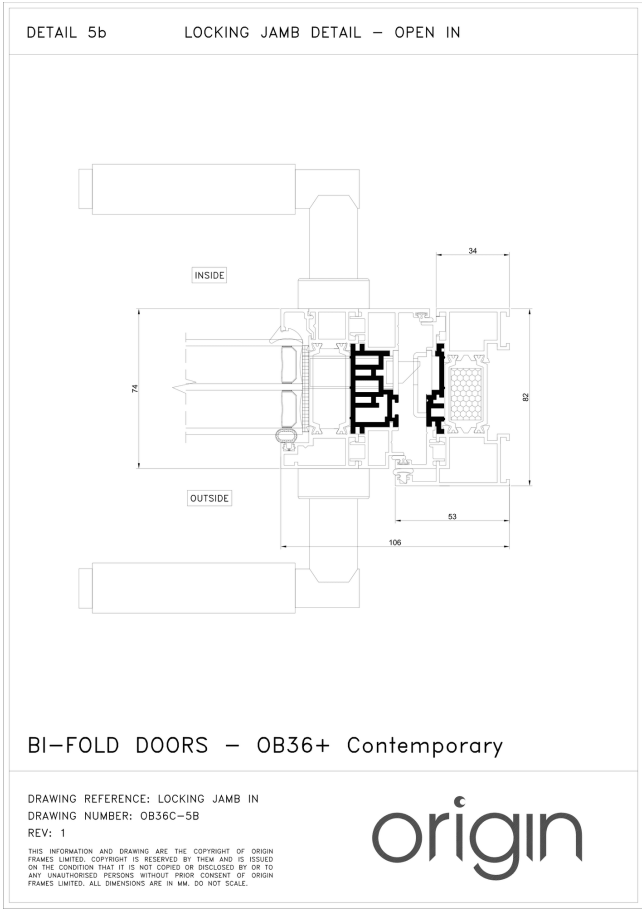
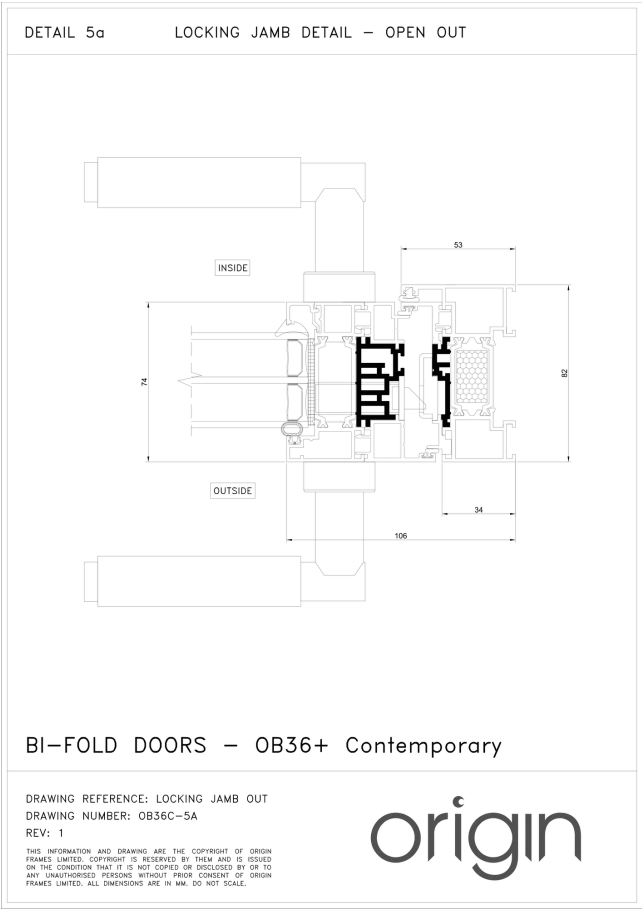
Hinge Jamb



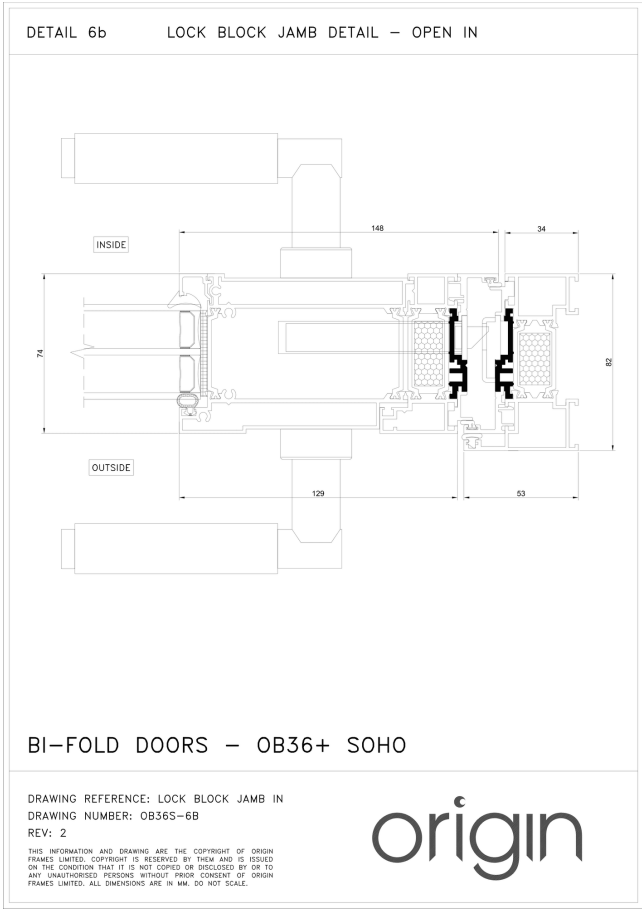
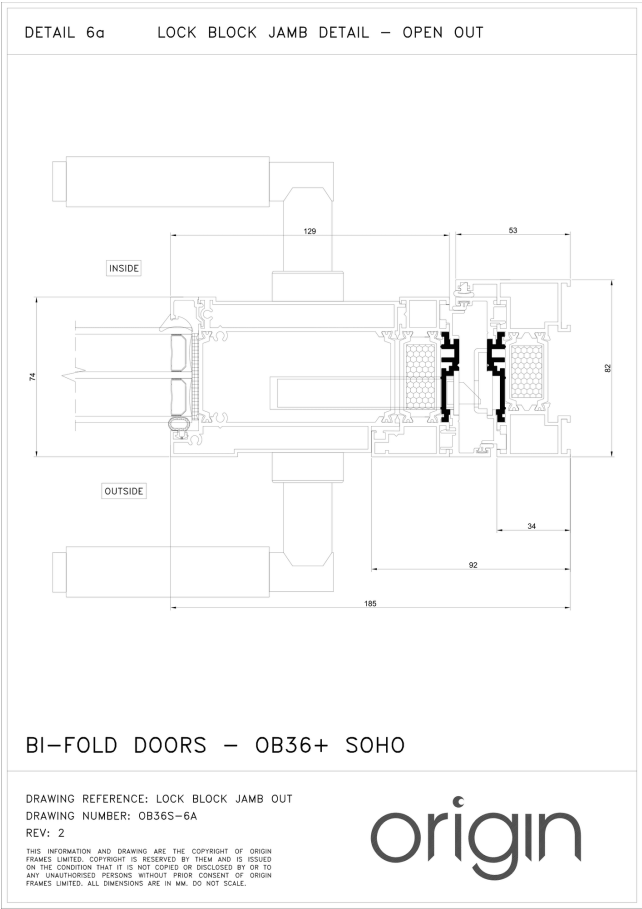
Opening Stiles



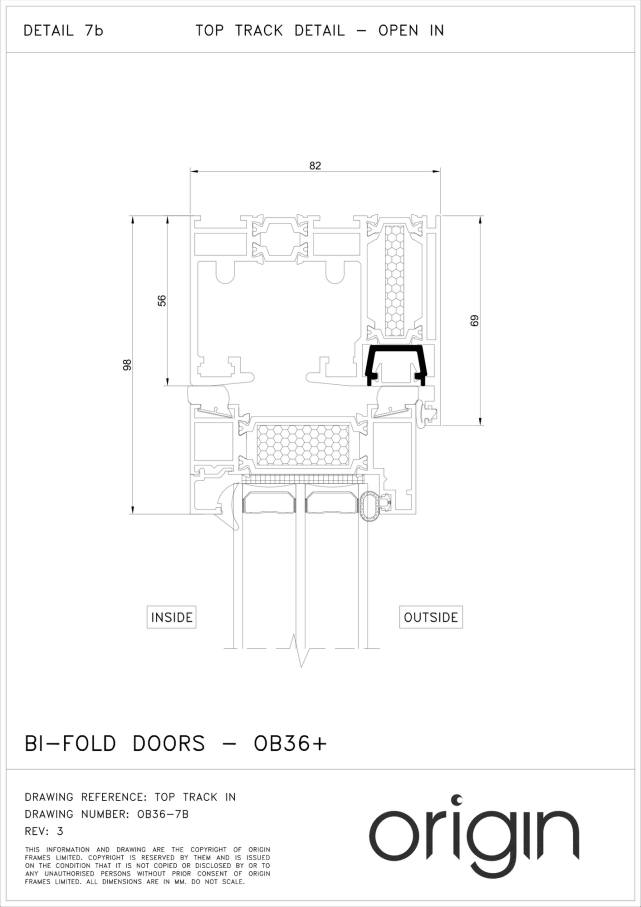
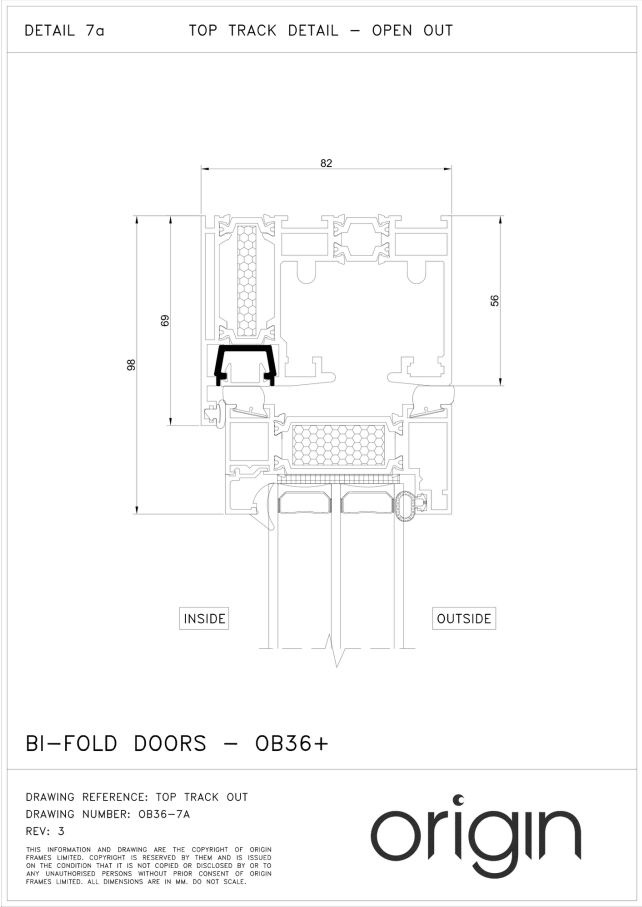
Locking Jamb



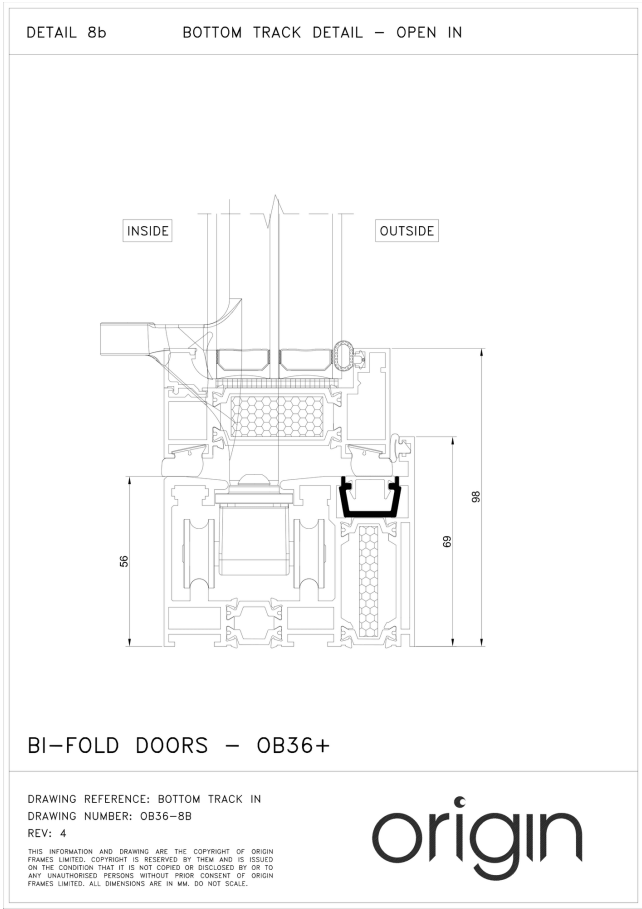
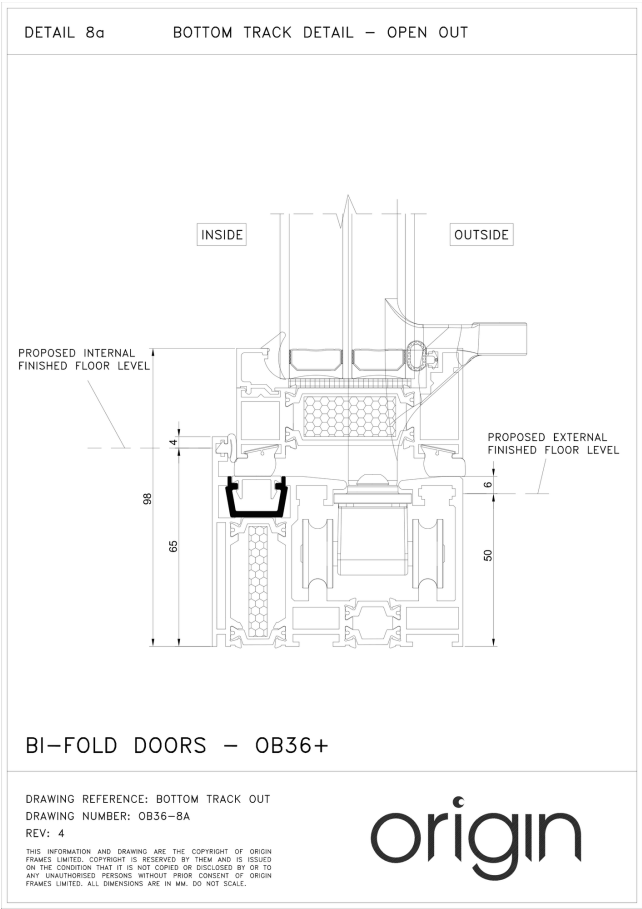
Lock Block Jamb



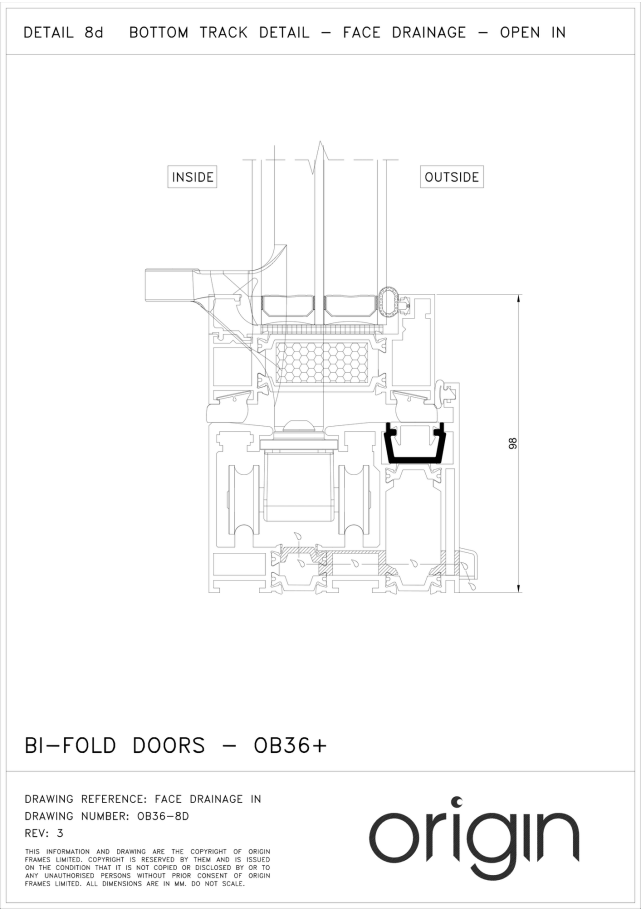
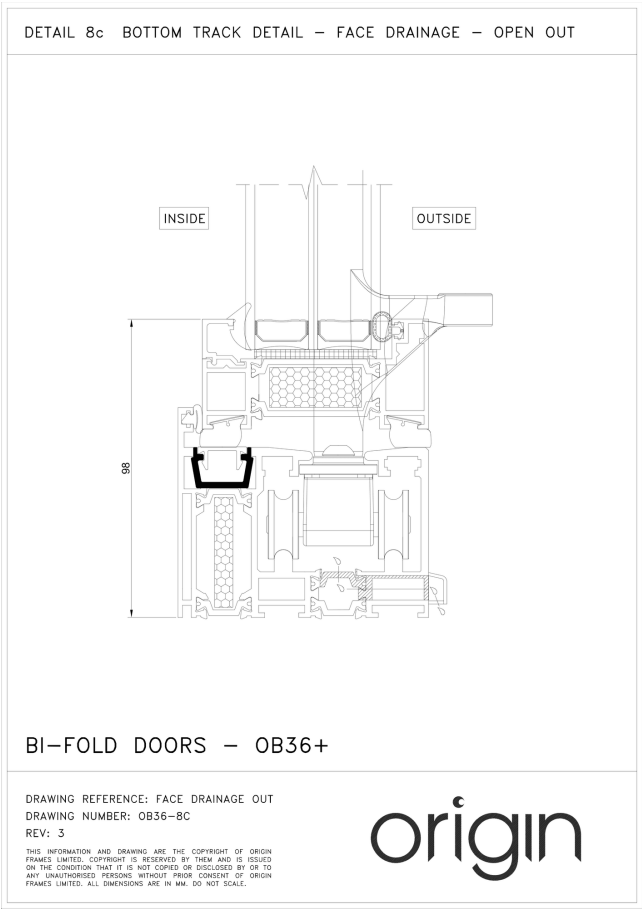
Top Track



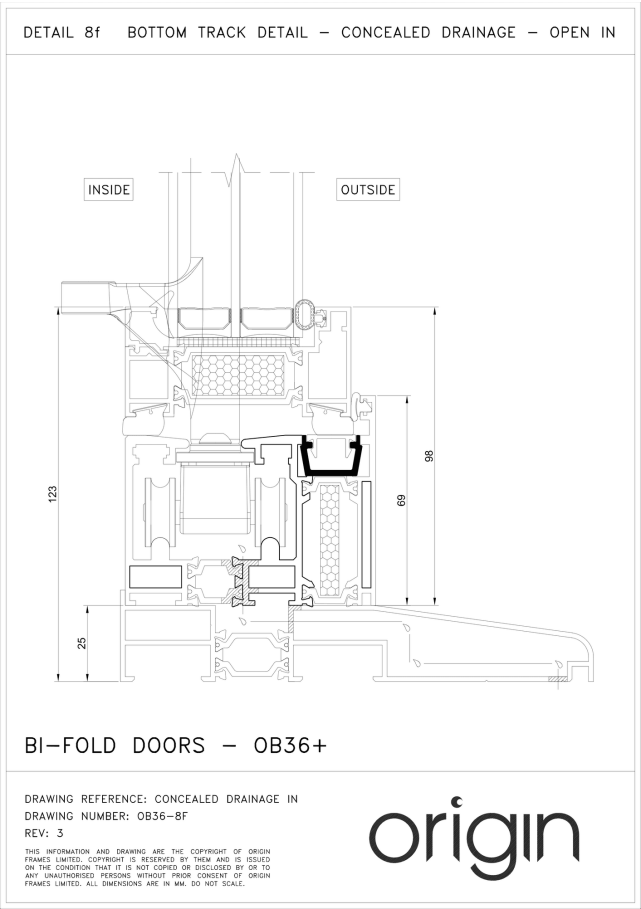
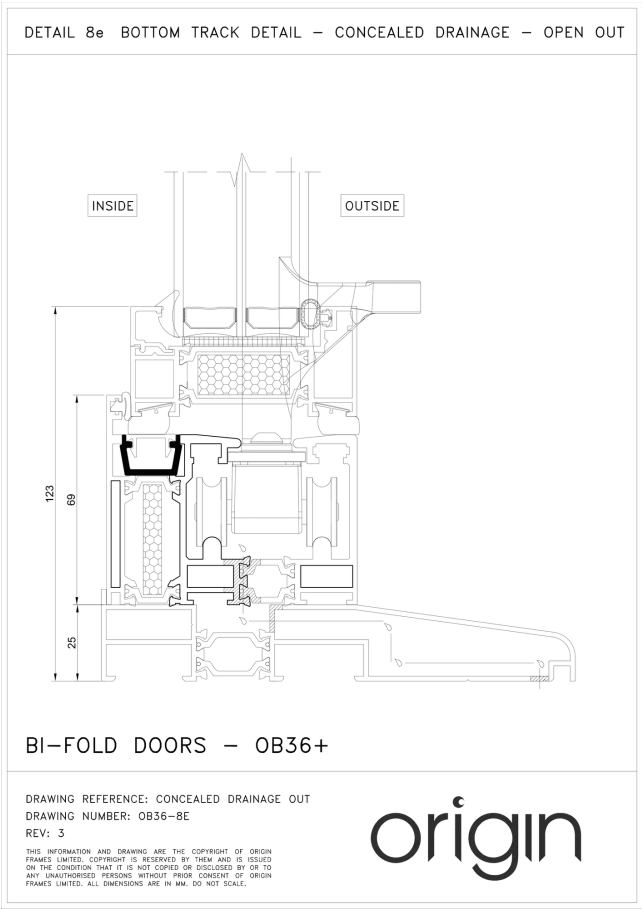
Bottom Track



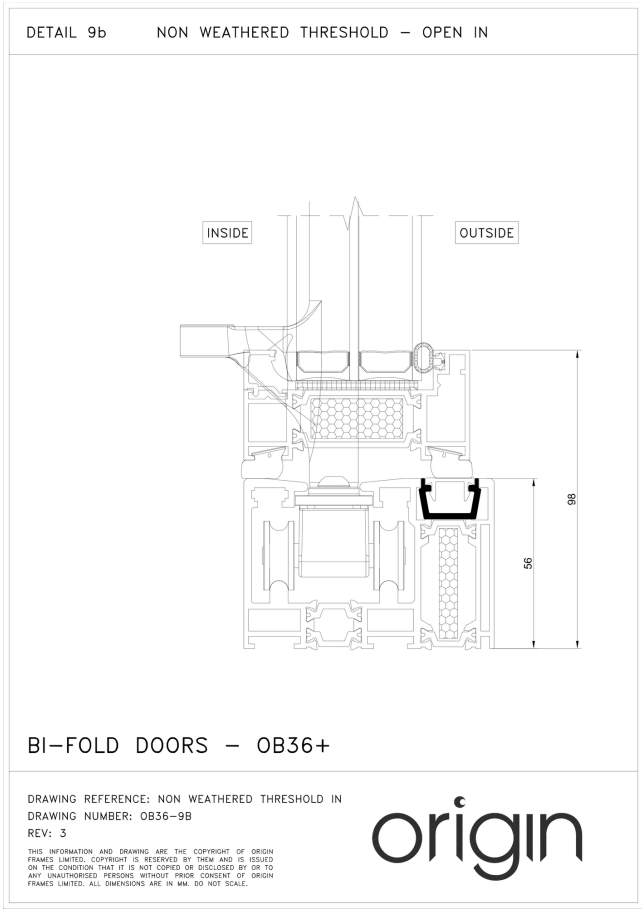
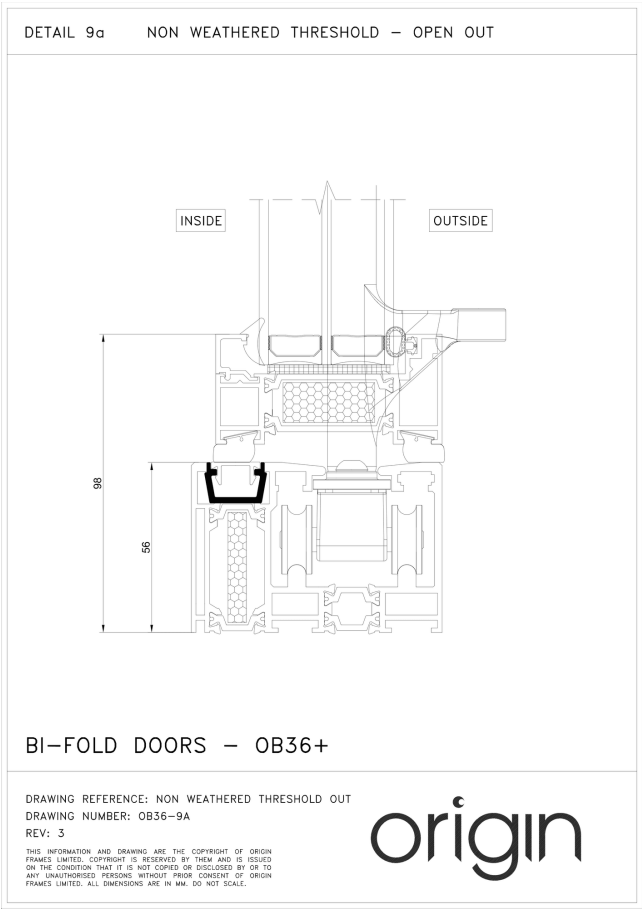
Bottom Track - Face Drainage



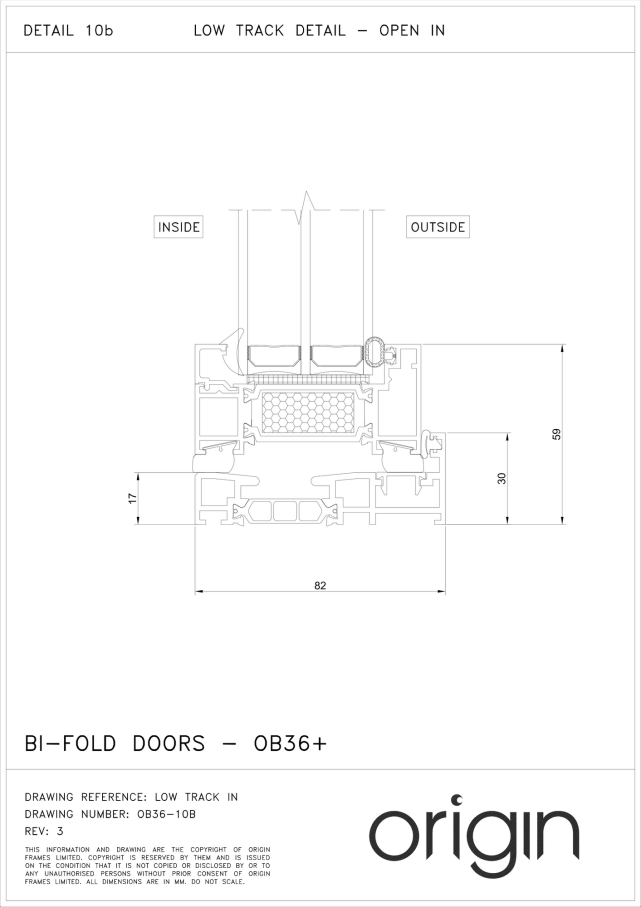
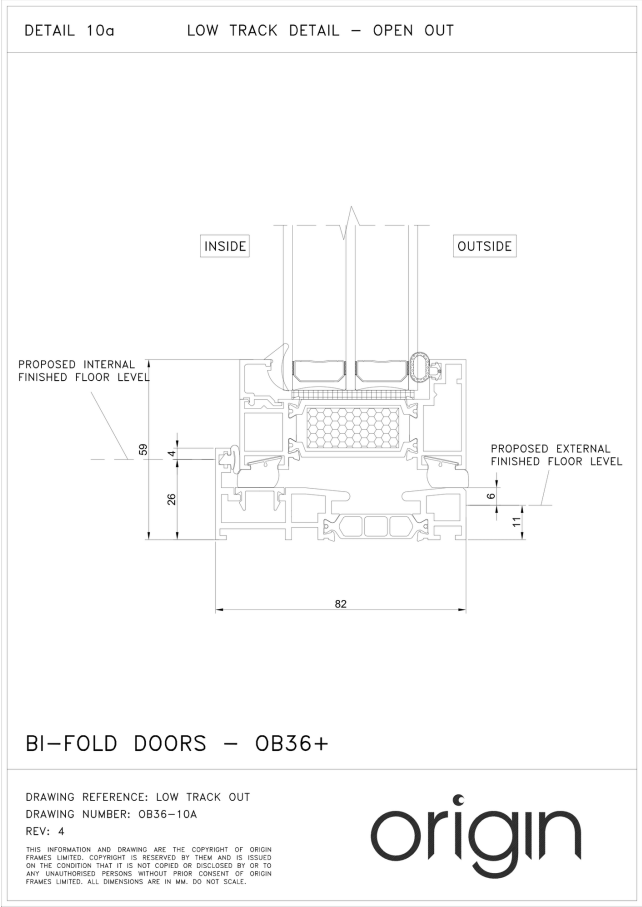
Bottom Track - Concealed Drainage



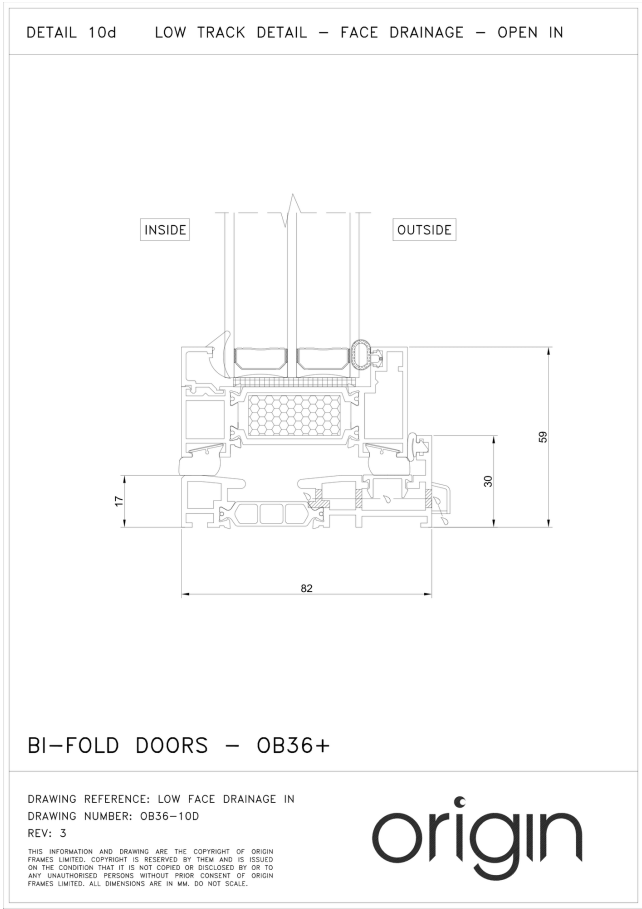
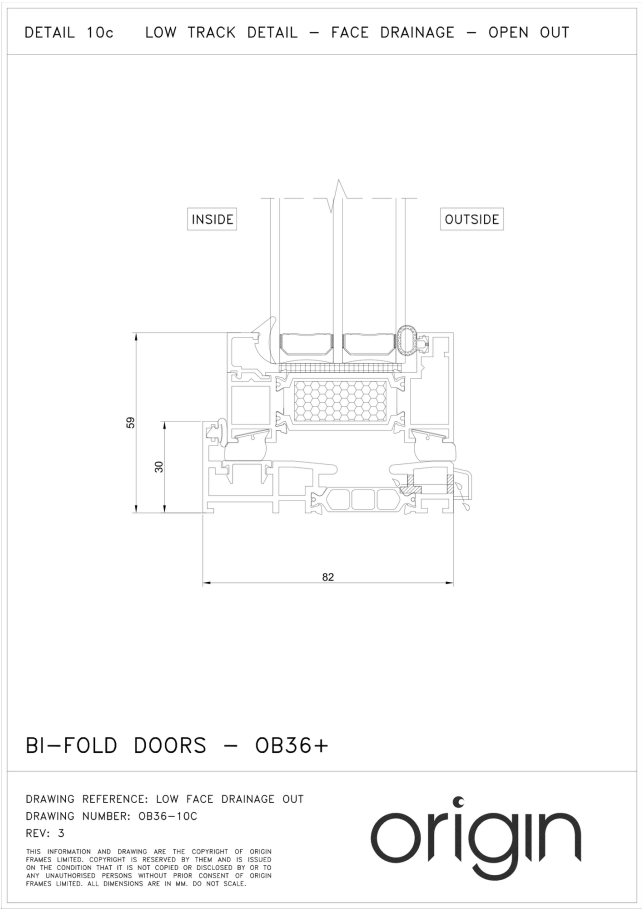
Non-Weathered Threshold



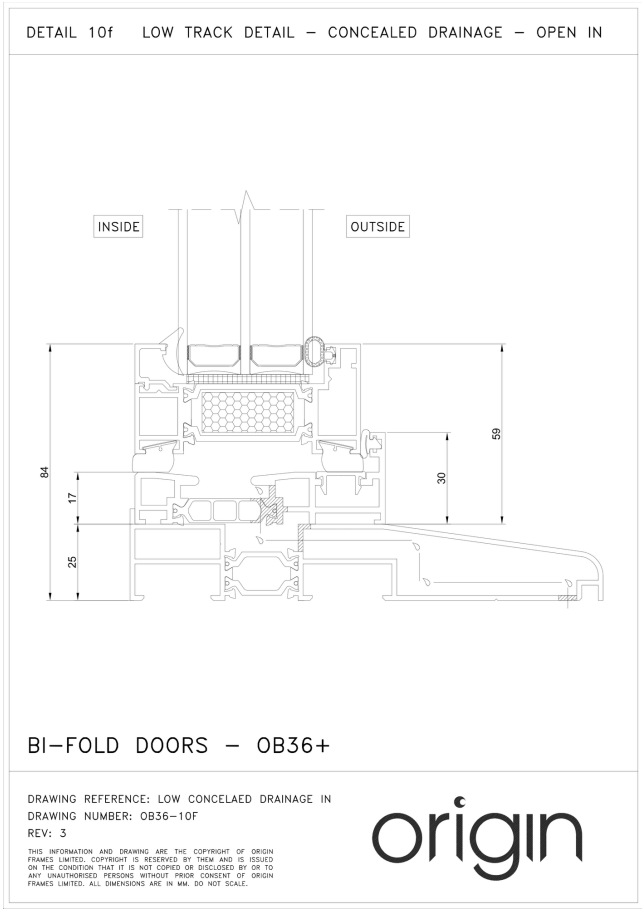
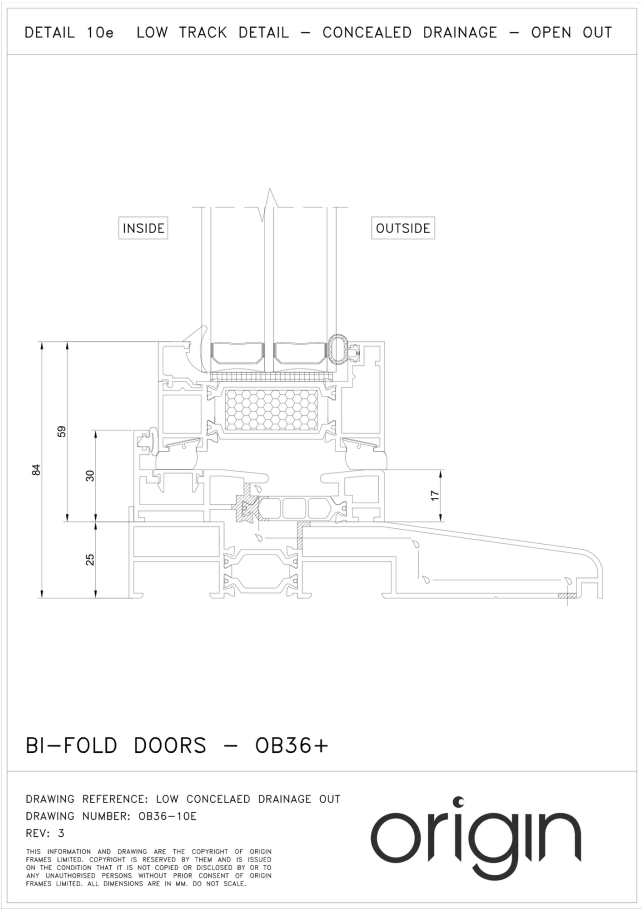
Low Track



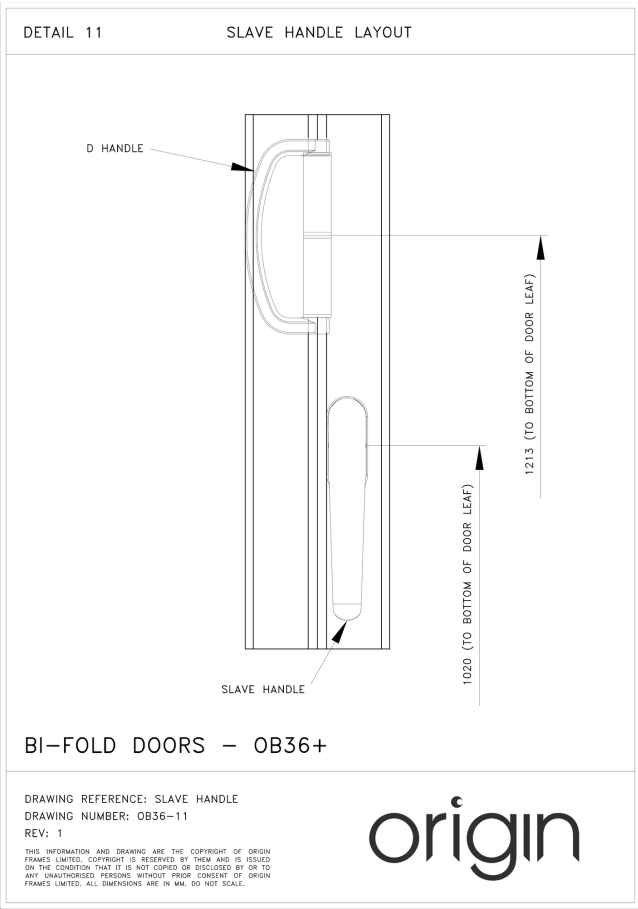
Low Track Face Drainage



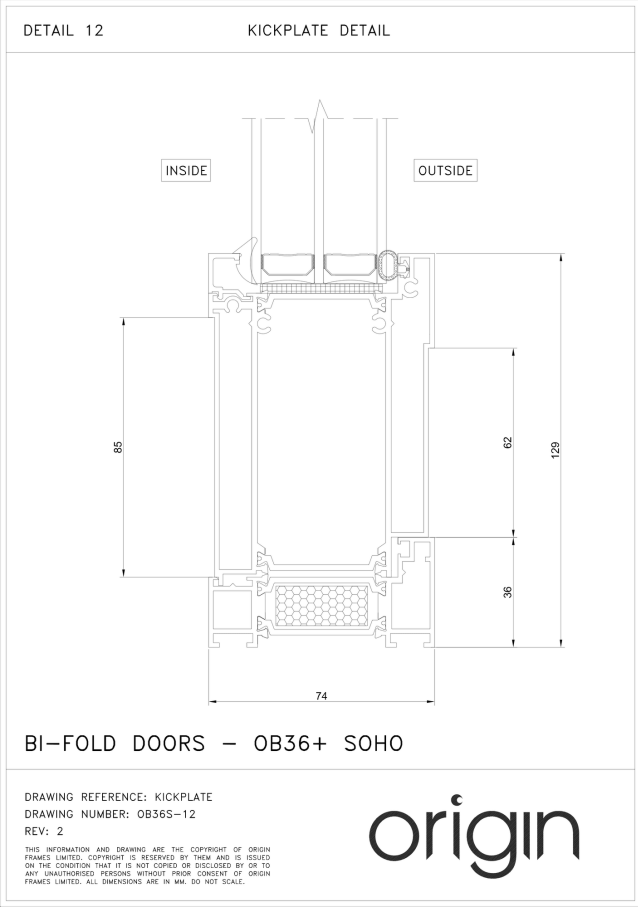
Low Track Concealed Drainage



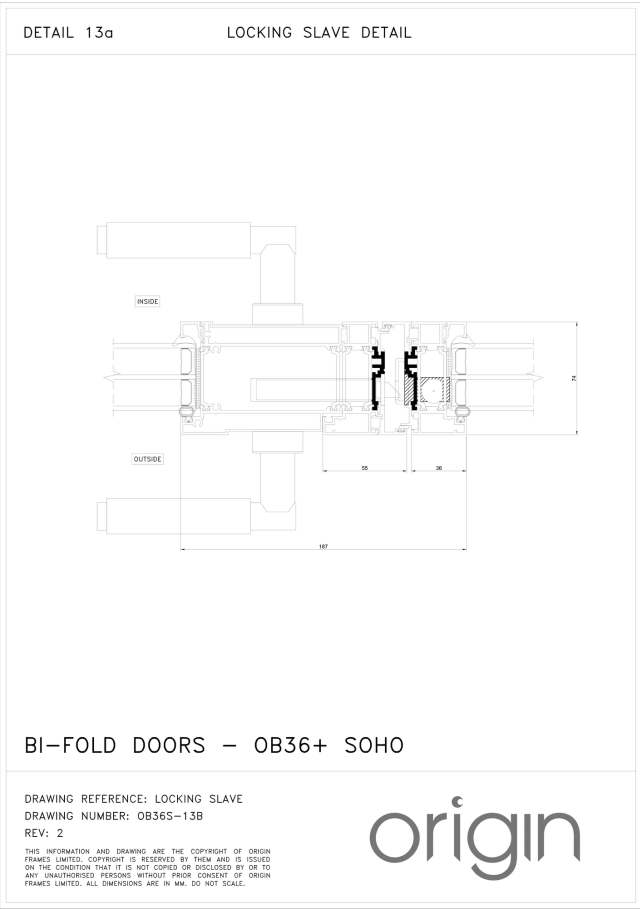
Slave Handle Layout



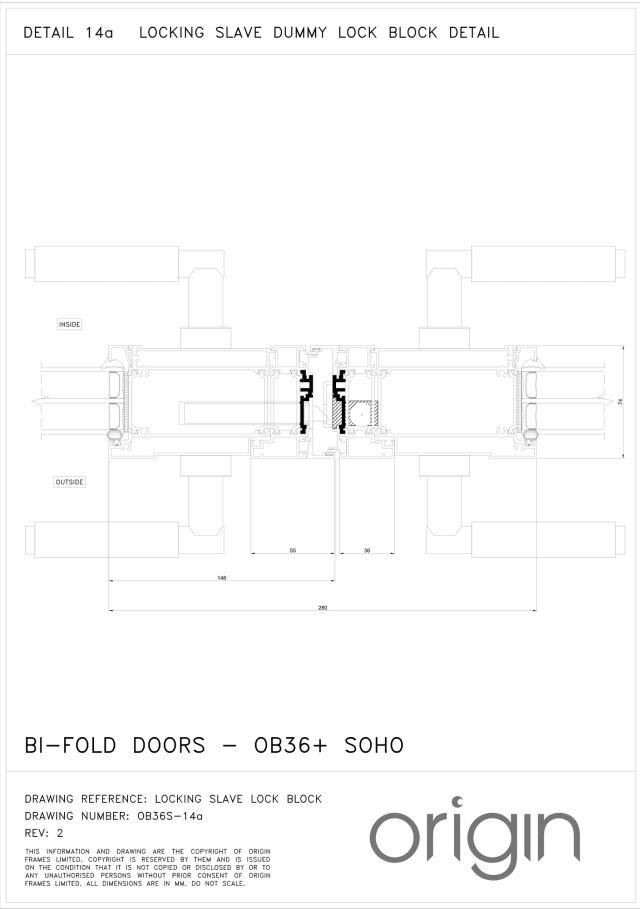
Kickplate



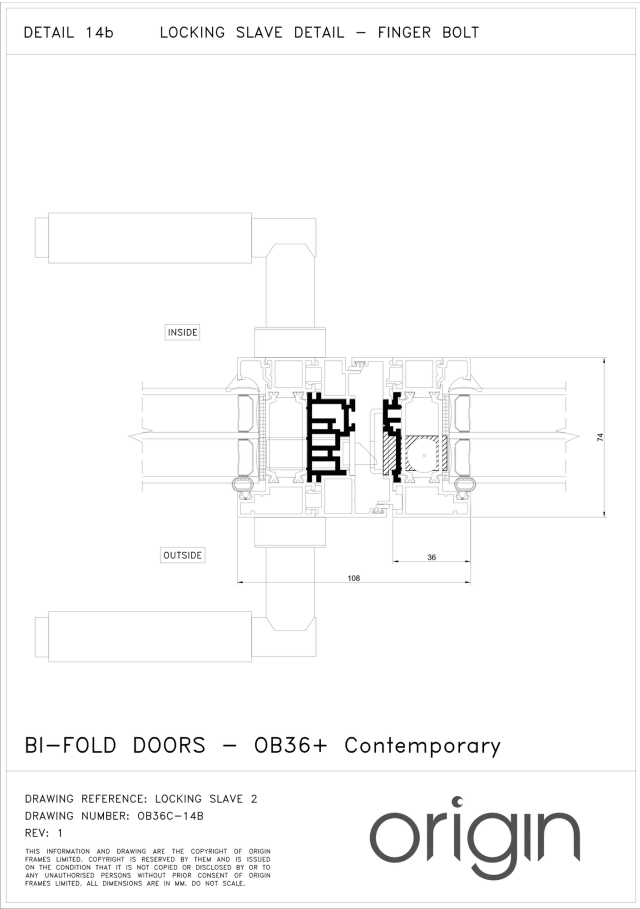
Locking Slave Handle



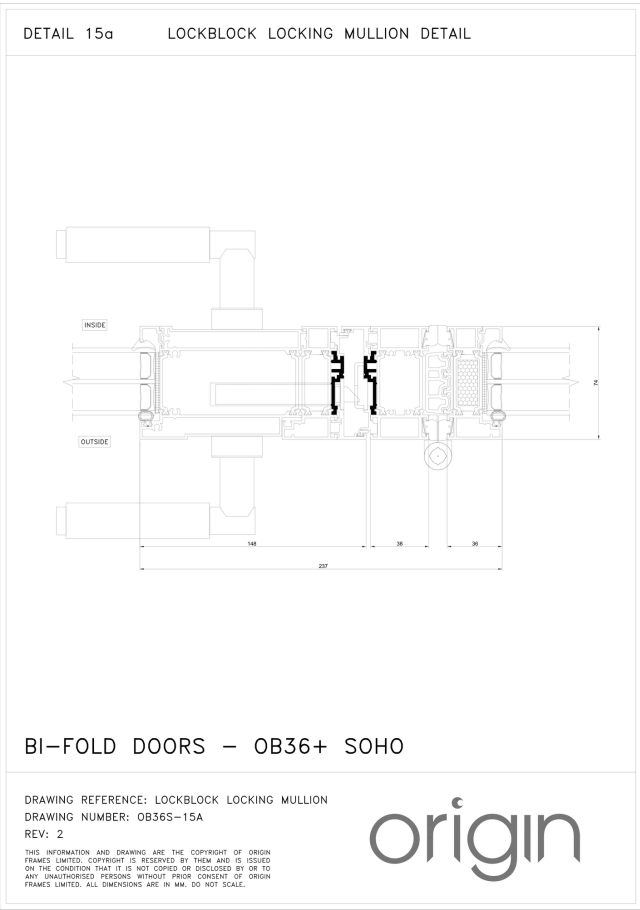
Locking Slave Handle Dummy Lock Block



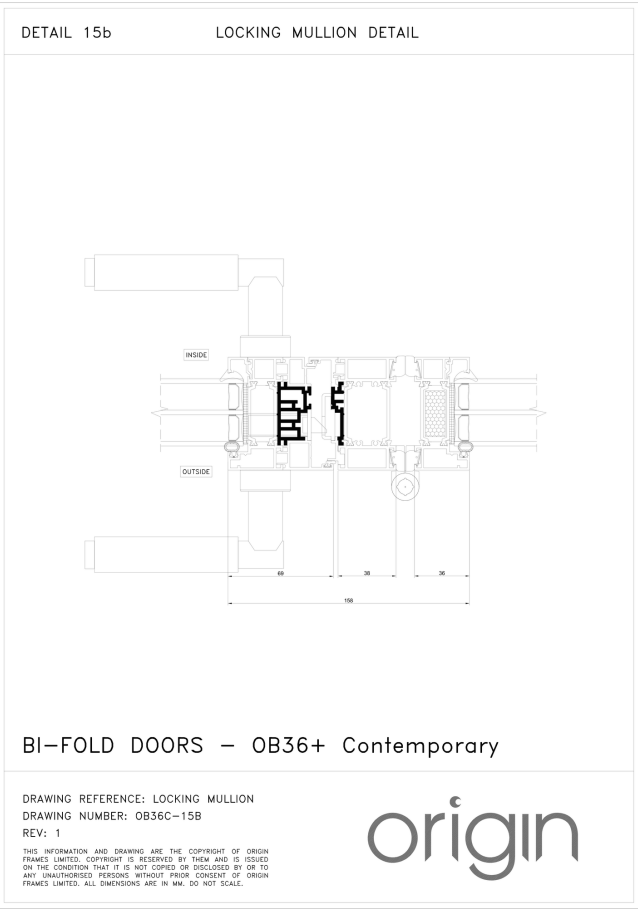
Locking Slave Finger Bolt



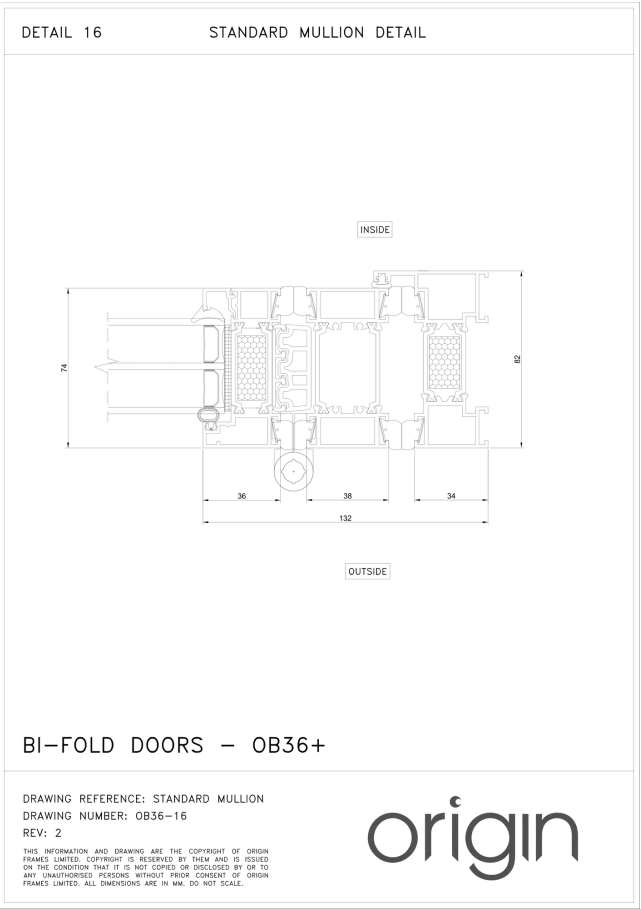
Lockblock Locking Mullion



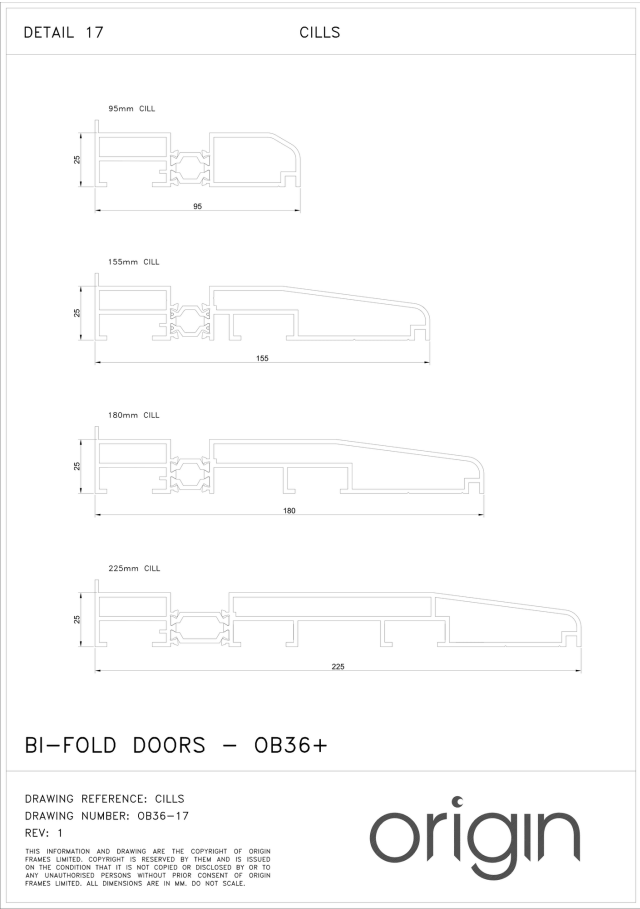
Locking Mullion



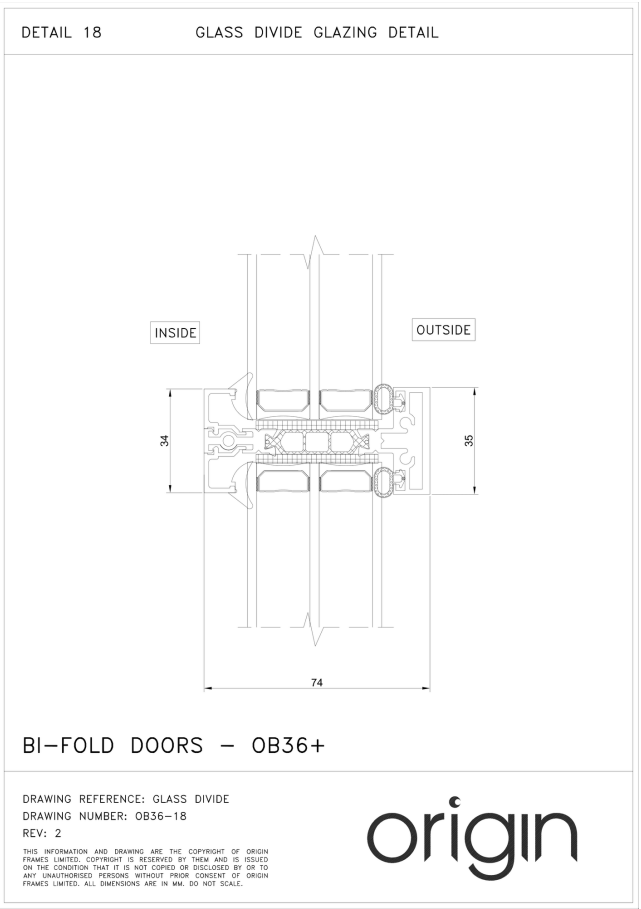
Standard Mullion



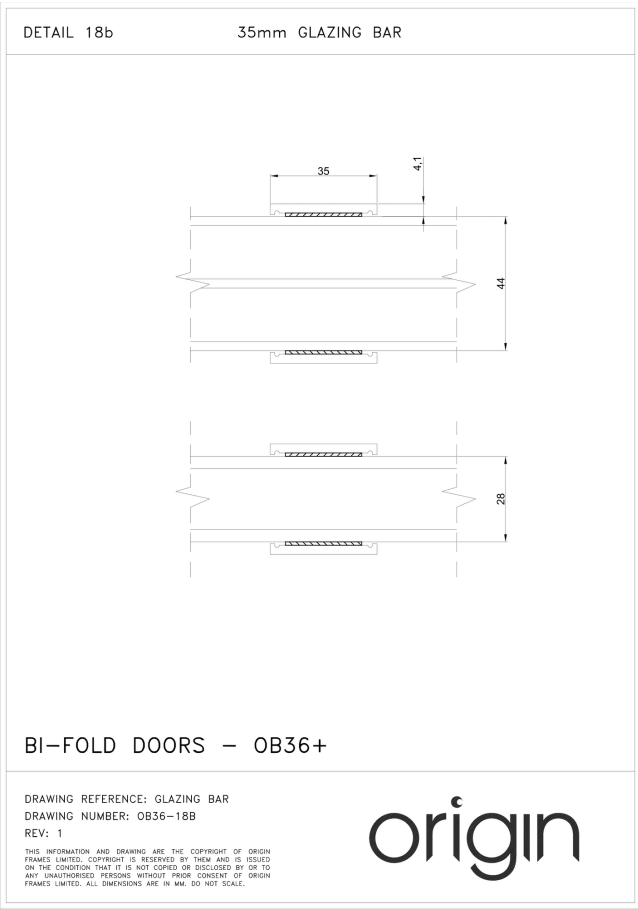
Cills



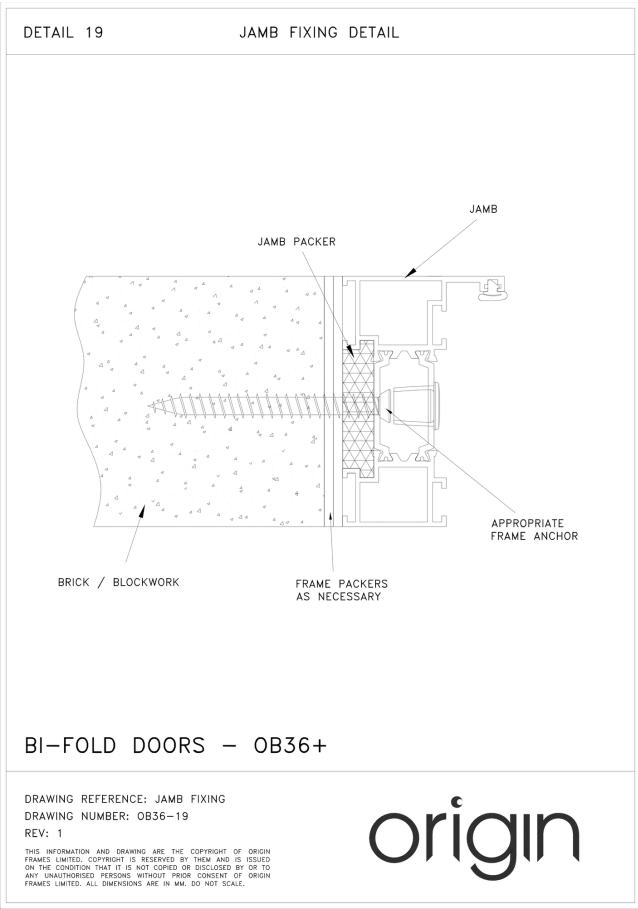
Glass Divide Glazing



35MM Glazing Bar



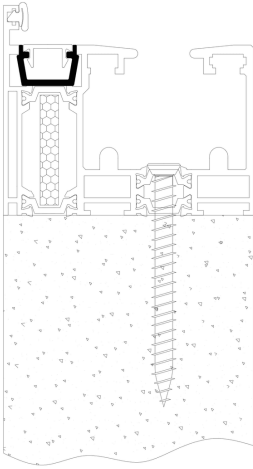
Jamb Fixing



Bottom Fixing

DETAIL 20

BOTTOM FIXING DETAIL



BI-FOLD DOORS — OB36+

DRAWING REFERENCE: BOTTOM FIXING DETAIL

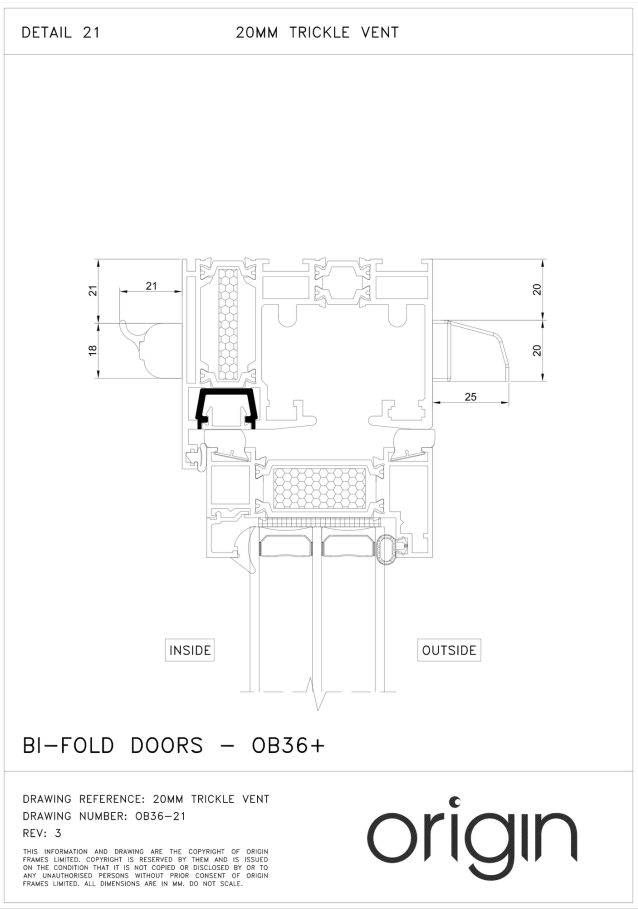
DRAWING NUMBER: OB36-20

REV: 2

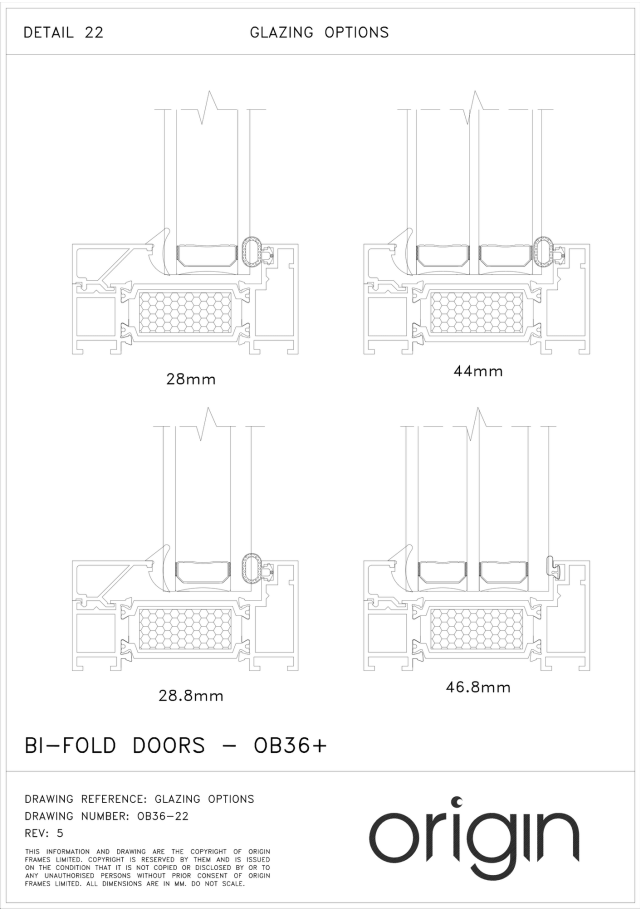
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origin

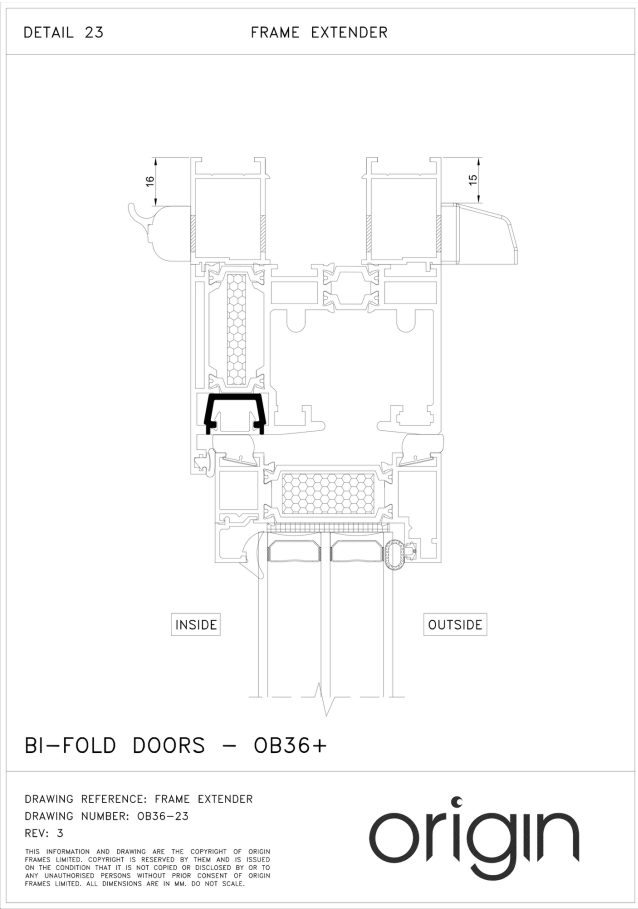
20MM Trickle Vent



Glazing Options



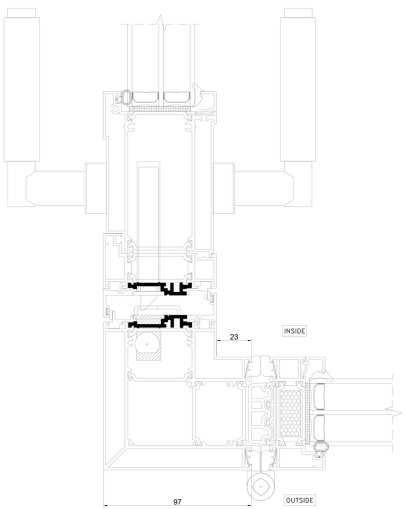
Frame Extender



90° Moving Corner Post

DETAIL 24a

90° MOVING CORNER POST



BI-FOLD DOORS — OB36+ SOHO

DRAWING REFERENCE: 90° MOVING CORNER POST

DRAWING NUMBER: OB36S-24

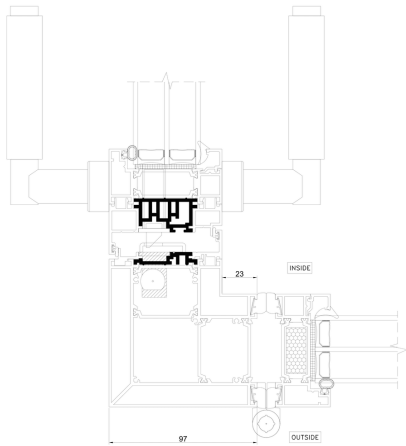
REV: 2

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origin

DETAIL 24b

90° MOVING CORNER POST



BI-FOLD DOORS — OB36+ Contemporary

DRAWING REFERENCE: 90° MOVING CORNER POST

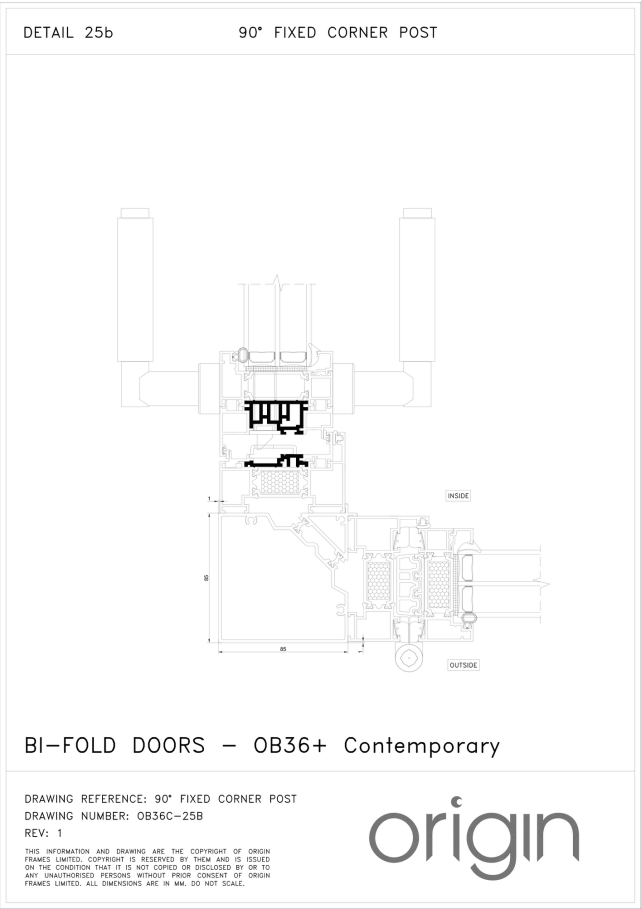
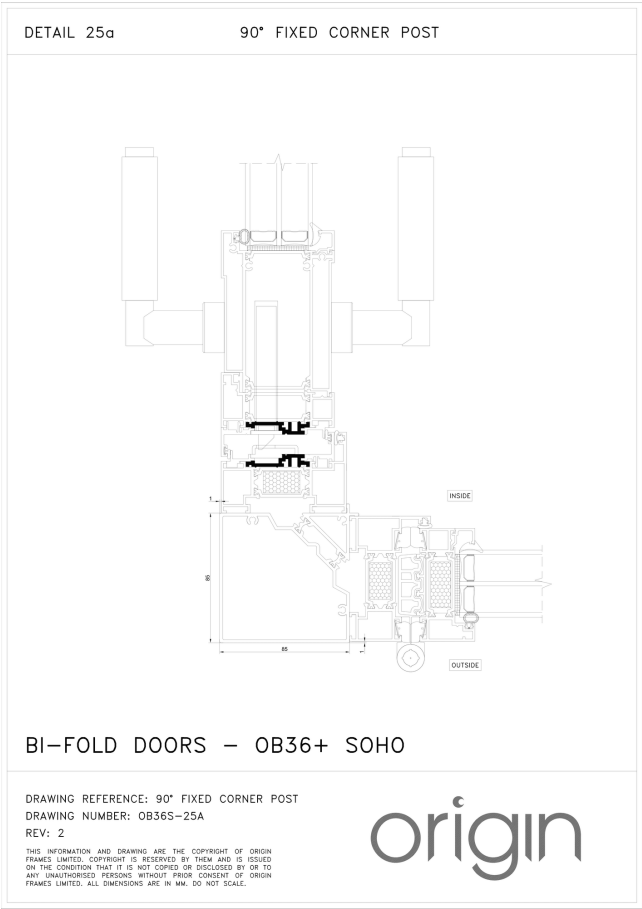
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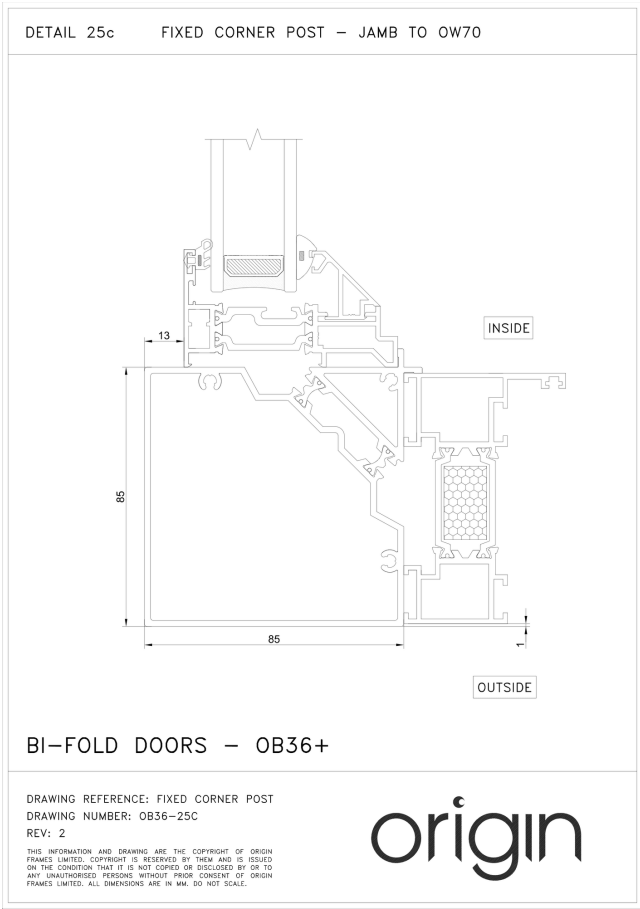
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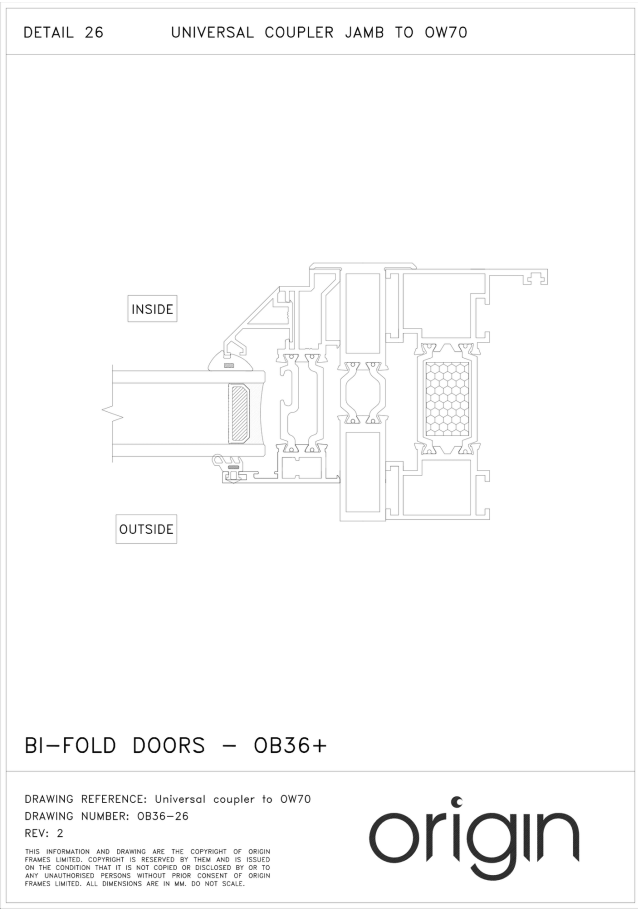
90° Fixed Corner Post



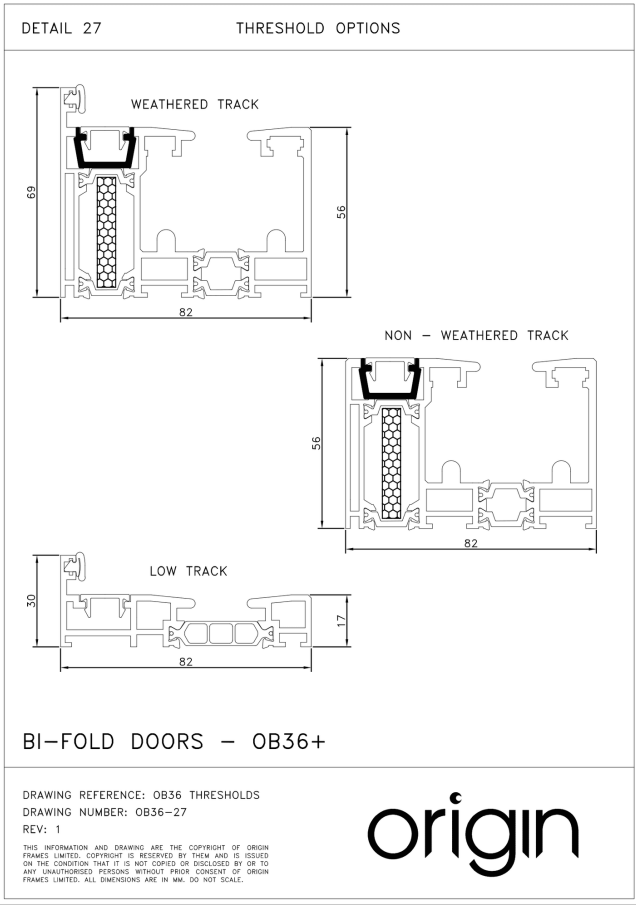
Fixed Corner Post



Universal Coupler



Threshold Options





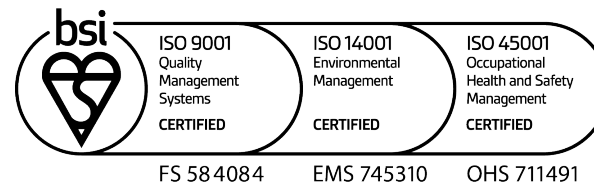
Accreditations

Quality Assured

At Origin, we are dedicated to delivering products of the highest quality, supported by the best levels of service and efficiency. We are well known for our meticulous attention to detail, taking pride in everything we do. This includes not settling for today – we are always learning, innovating, evolving and improving. Put simply, we're on a quest for perfection. It's an ethos that has become the very heart of Origin.

From products to processes, or even our sustainability, our culture encourages continuous improvement. We've put this to the test by going for prestigious accreditations. We are very proud to have achieved these and feel they show our ethical and moral dedication to operate in the best way, not because we are told to, but because it's the right thing to do. Here are some details on what we've achieved so far.

[LEARN MORE](#)



Thank you for reading the
OB36+ Spec Guide
2.302.16

Engineering beauty
in *every* detail.

