

Expand your horizons

with our high-quality sliding and slide-folding doors



✦ About Smart

With over 35 years' experience, we are the UK's leading supplier of window and door systems. We take great pride not only in the quality, breadth and depth of our product range, but also in our design expertise and support services.

We operate from a modern 45,000m² manufacturing plant in the south west of England, which houses three extrusion presses and two paint lines, as well as our logistics and distribution hub. Across all our operations, we are fully committed to reducing our impact on the environment, and are working hard to become both carbon-neutral and energy self-sufficient.



The Great
Outdoors

◆ Our Sliding & Slide-folding doors

By choosing our sliding and slide-folding doors, you will be able to open your home to the outdoors, bringing a bright, open and spacious atmosphere.

Effectively opening-up an entire wall, you will not only create a relaxed feeling of light and space, but also frame the beautiful views of your garden and beyond. Suitable for installation in any room, these elegant systems add a touch of finesse and provide a striking glass façade.

Our range has been developed to provide a choice of high quality solutions. Whether you want to open up space using our Visofold multi-panelled slide-folding doors which concertina back to one or both sides of the frame, or introduce a Visoglide sliding door (comprising two or more large panes which slide open to leave the panels behind each other), we have the perfect solution.

With high-security glazing and locking mechanism (including security deadlock and hook bolts), and an unrivalled colour range to choose from (including dual-colour options), each door can be tailored to meet your own precise requirements.

Each of our doors comes with all the assurances you would expect from the UK's leading supplier of aluminium systems. Their elegant aluminium profiles are designed to provide both strength and durability, ensuring a structurally sound solution that requires minimal maintenance and delivers outstanding performance over a lifetime of use.



◆ *Our sliding and slide-folding doors are designed to perfectly complement Smart's window and entrance door ranges.*





Where can I buy from?

Our systems are supplied to a nationwide network of reputable window and door fabricators who carry out installation in accordance with best practices.

You can obtain a list of your nearest Smart fabricator and installer from our website;
<http://www.smartsystems.co.uk/findinstaller>

Revamp your house and make it a home with our expert advice on material, colour, finishes to handles and fittings.

Choosing the right door for your home

When choosing a new door for your home, there are a number of things you should consider.

Of course, you'll need to think carefully about the style of door – and particularly whether a sliding or slide-folding system is right for you. You will also want to take care to choose the right colour (both for the outside and inside if you select a dual-colour option) and to think about the style and colour of the door furniture.

Once you've chosen your system and colour, it's important to see a sample to ensure the tone and shade are exactly what you want; you can then accurately assess the texture, lustre and finish before making your final decision. If you speak to your supplier, they will arrange with us for a sample to be sent directly to you.

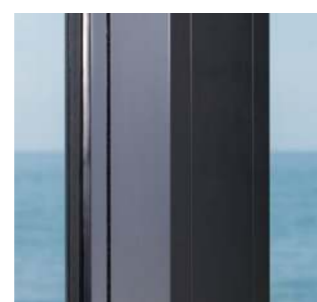


Should I choose a Sliding Door or a Slide-folding Door?

Offering the opportunity to open up your living space and bring the outdoors inside, sliding and slide-folding doors provide a great many benefits to virtually any property. But which system will be the best for you?



Frame Head



Meeting Style

Choice of standard or slim line meeting style available.



Handle

Smart has a range of attractive handles for you to choose from.

Slide-folding Door

- Slim lines combine elegance with great performance together with smooth, easy and reliable operation
- Multiple door leaves concertina to the side
- Can incorporate a 'traditional door' for flexible use
- Completely uninterrupted views when open
- Great solution for small spaces



Top & Bottom Roller

Smart's sash rollers are designed and engineered to the highest standards to ensure quality and reliability. Our rollers are marked with the Smart 'Spark', so you can be sure they meet these exacting standards.



'D' Handle

Used to pull sashes from a folded open position to a closed position.



Sash & Jamb Hinge



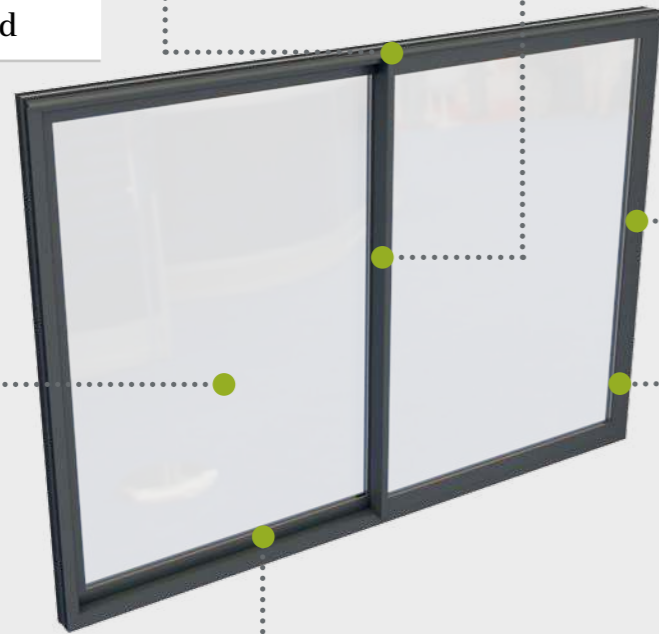
Flat Sash Handle

Used to operate the locking shoot-bolts on the sashes.

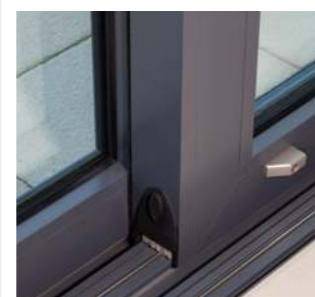


Large Glass Area

Sliding doors offer a large glass area. Perfect for maximising light and framing stunning views.



Frame Jamb



Threshold

Where the situation allows, the threshold can be recessed into the floor level.

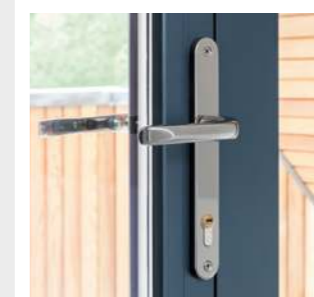


Threshold

A choice of rebated or low level thresholds is available. Where the situation allows, thresholds can also be recessed into the floor level.

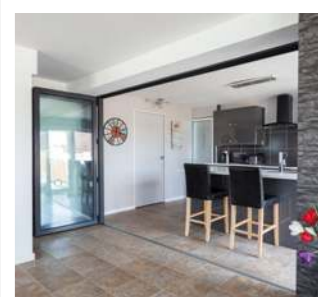


Bottom Roller



Main Operating Handle

We have a range of lever handle styles available, including high security PAS 24 options.



Opening

Slide folding doors open to reveal a nearly 100% opening aperture, bringing 'the outside in' and creating amazing living spaces.

Sliding Doors

- Large panes move to the side, stacked one behind the other
- Double and triple track options for two, three and four sash systems
- Maximise light and give the most unobstructed views when closed
- Slim lines and discrete hardware
- Ideal solution where space is limited



◆ The Smart Spark – Our Mark of Quality


As a demonstration of our commitment to quality, we recently introduced the 'Smart Spark' and are now stamping this mark on our hinges, rollers and other hardware before they leave our factory.


When you see a product carrying the 'Spark', you can be sure that it formed part of our exhaustive system testing programme – and it comes with our assurance of quality.


Throughout our operation, we carry out extensive testing to ensure that our products perform to the highest levels and meet relevant standards. In our view, quality implies consistency, reliability and durability not just in terms of materials, but also with respect to the performance of our products and the services we provide.

We monitor, measure and assess every aspect of our business with the aim of continually improving our products, services, working practices and environmental impact and we fully support independent certification and assessment schemes such as those offered by the British Standards Institute.

Customise your Smart solution

 **What are my colour options?** Our unrivalled colour range provides the perfect finish for every property. From contemporary urban apartments to traditional Cotswold cottages in conservation areas, we have the ideal colour to suit any project in any location. Our spectrum spans from striking shades of bronze and silver through brilliant reds and gentle blues to traditional white – with virtually every colour and finish in between.

 **What about hardware?** Your choice of hardware is an important one as it will have a significant effect on the overall look of your new door. We supply a wide range of high quality options, from the contemporary stainless steel of our new Quantum range to more retro designs, all of which can be supplied in either matching or contrasting colours to your door frame; depending on the look you want to create.

 **And glass?** A wide range of glass options is available as part of your window and door system. With double and single glazing, self-cleaning, gas-filled, anti-glare, coated, decorative and energy-efficient units just some of the options! Again, your installer will be able to help you with any questions and to select the most suitable product for your home.



◆ *With a dedicated paint line, our colour-matched accessories service means your choice of handles and hinges can be finished in any colour to match or contrast with your door.*



Why choose aluminium?

Renowned for its perfect combination of light weight and high strength, aluminium is the ideal material for sliding and folding doors, providing slim, elegant designs and outstanding performance.

With a life-span measured in decades rather than years, together with extremely low maintenance requirements, aluminium has become the perfect choice for home owners.

All our systems are designed with performance, looks and efficiency in mind, with each frame incorporating a

'thermal-break' to insulate doors against heat loss, raise the internal temperature of a house and help reduce the risk of condensation.

Maintenance for aluminium systems is simple and straightforward, with a routine 'wipe-clean' all that is required to keep the products looking their best. With no requirement for re-painting or re-varnishing, aluminium windows and doors will never fade, deteriorate or rust, even in harsh environments, or coastal locations.

◆ *Our systems have been designed to not only withstand all that the elements can throw at them, but also to deliver minimum heat loss and great thermal efficiency.*



How do I assess performance?

There are a number of things to take into account, but also some useful guides to help you:



Security – most window and doors will be certified to PAS24. This means the manufacture has been monitored by an accredited certification body. It's worth noting though that this is a minimum standard - it doesn't include higher or lower grades for security.



Thermal Performance – this depends on a number of factors, including your system and glazing choice, the direction the door faces and the prevailing weather conditions. When comparing systems, U-values will give you a good guide. These are a standard measure of how good a material is as an insulator – the lower its U-value, the better insulator it is.



Weather – as part of the building 'envelope', windows and doors contribute to its overall weather performance, including its water and wind resistance and air-tightness. Manufacturers test their window and door systems to make sure they meet the required performance standards.



Our products: Slide-folding Doors

Visofold Range

Available in a range of opening configurations to suit any application, Visofold doors can be folded internally or externally and with the opening at the side (so the sashes all fold one way), at one end (to create a single entrance door) or in the middle (to give the option of a double door).

Visofold's flexibility makes it the ideal choice for projects where large, uninterrupted openings are required, with the system providing maximum light and space to give unimpeded views. The highly-versatile, easy-to-operate system is the perfect option for even the largest project, capable of opening up an entire wall, yet presenting a contemporary, elegant glazed façade when closed.

All Visofold profiles feature a thermal break to deliver enhanced thermal performance and energy efficiency and security is assured by multi-point lock mechanisms on the main opening sashes, and shoot-bolt locks on the 'floating' mullions. The doors can have either a low threshold for unimpeded access, or a rebated threshold for improved weather resistance.











Visofold doors are available in a choice of standard or non-standard colours, including metallic, wood-structure, dual colour and Smart's unique Sensations range of textured finishes.



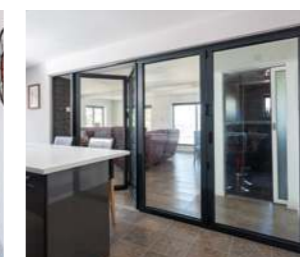
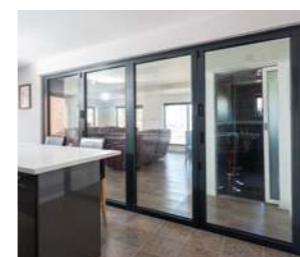
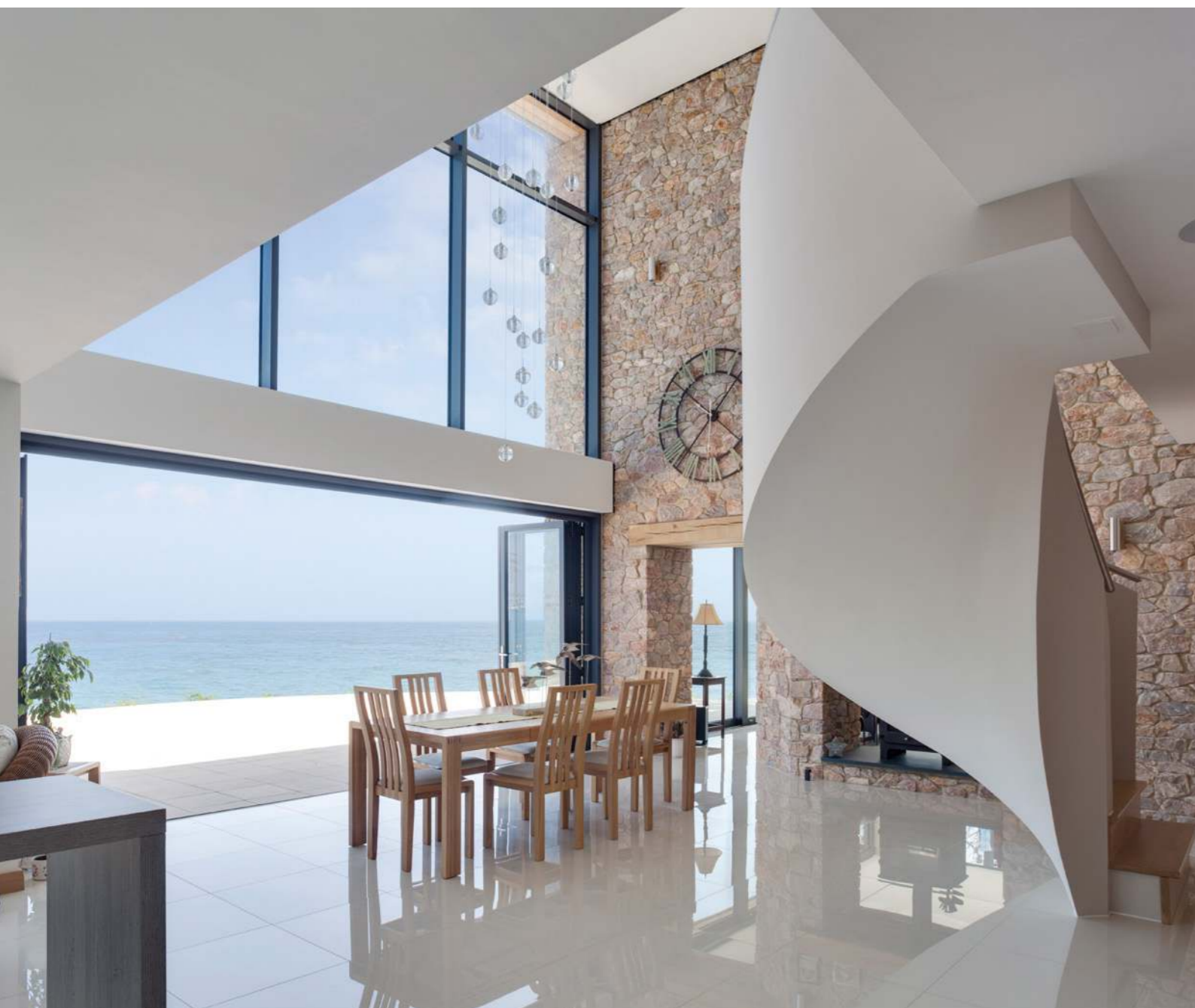
Visofold 1000

Kitemarked and security-tested to the PAS24 standard, Visofold 1000 slide-folding doors features a choice of internally or externally folding panels, which when open help to integrate your home's external and internal living spaces, offering uninterrupted views.



-  U Value
1.5W/m²K
-  Certified
PAS24:2012
-  Certified
BS 6375
-  Certified
Document L
-  Dual
Colour
-  Multipoint
Lock
-  Max Sash Width
1200mm
-  Max Sash Height
2500mm
-  Max Sash Weight
100kg
-  Sash Sightline
132mm


With internal glazing beads preventing the removal of glass from outside, and high-security locking mechanisms in the handle, our doors are built to last and to be secure.



Visofold 6000

The latest addition to our range, Visofold 6000 is a high-quality, high-performance slide and fold door. Featuring the slimmest profiles currently available in the Smart range, the system provides a contemporary, elegant solution for both residential and commercial applications.



-  U Value
1.5W/m²K
-  Certified
BS 6375
-  Dual
Colour
-  Multipoint
Lock
-  Max Sash Width
1000mm
-  Max Sash Height
2200mm
-  Max Sash Weight
100kg
-  Sash Sightline
94mm

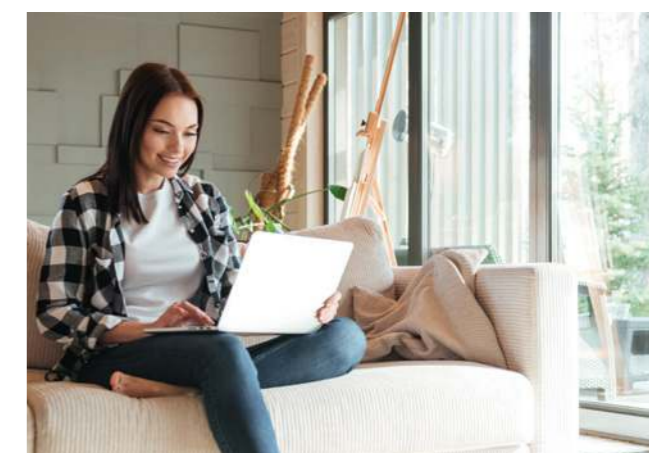
◆ Our products: Sliding Doors

Our sliding doors provide the maximum light and afford the most unobstructed views of any system when closed and with our wide range of systems and options, you can select and tailor a door system to exactly meet your own specific requirements.

With a choice of frame sizes, sliding formats and two, three and four pane systems, together with a choice of high-quality hardware and a wide range of colour options, the slim lines of these elegant doors make them the perfect solution for any home.



◆ *Open up a wall to create a relaxed feeling of light and space and to frame the beautiful views of your garden and beyond.*





Our systems have been designed to match a wide range of property styles. With our innovative folding panelled structure, they can provide the perfect transition from inside your home to outside.

Visoglide Plus

Combining the benefits of a large picture window, which allows light to flood in to an internal space, with an easy opening operation, Visoglide Plus is a high quality, highly versatile system which is a great option for even the largest project. Delivering outstanding thermal efficiency, Visoglide Plus offers contemporary styling and robust performance, with the option of slide, or lift and slide operation on double or triple tracks.



-  U Value
1.6W/m²K
-  Certified
PAS24:2012
-  Certified
BS 6375
-  Certified
Document L
-  Dual
Colour
-  Multipoint
Lock
-  Max Sash Width
*
-  Max Sash Height
2500mm
-  Max Sash Height
2423mm PAS24
-  Max Sash Weight
250kg Slide
-  Max Sash Weight
200kg L&S
-  Sash Sightline
83mm Standard
-  Sash Sightline
34mm Slimline

*Within height/weight limitations there is no maximum width

Slide 2000

With its characteristic slim profiles and sightlines, Slide 2000 is an elegant sliding patio door for both new homes and refurbishment projects. Available in dual and triple track configuration and with a range of locking options, Slide 2000 offers great versatility and outstanding value.



-  U Value 1.6W/m²K
-  Certified BS 6375
-  Certified Document L
-  Dual Colour
-  Multipoint Lock
-  Max Sash Width *
-  Max Sash Height 2100mm
-  Max Sash Weight 200kg
-  Sash Sightline 35mm

*Within height/weight limitations there is no maximum width

Our systems all meet demanding weather testing and security requirements, so once you've installed your new door system, you can relax and enjoy it for years to come.

Ultraglide

This high performance contemporary system features large sash sizes (up to 3 metres high) and is ideal for even the most demanding applications.

Available in dual colour and with a large thermal break, Ultraglide delivers outstanding thermal performance for enhanced comfort and economy.



-  U Value 1.1W/m²K
-  Certified Document L
-  Dual Colour
-  Multipoint Lock
-  Max Sash Width *
-  Max Sash Height 3000mm
-  Max Sash Weight 400kg
-  Sash Sightline 125mm

*Within height/weight limitations there is no maximum width

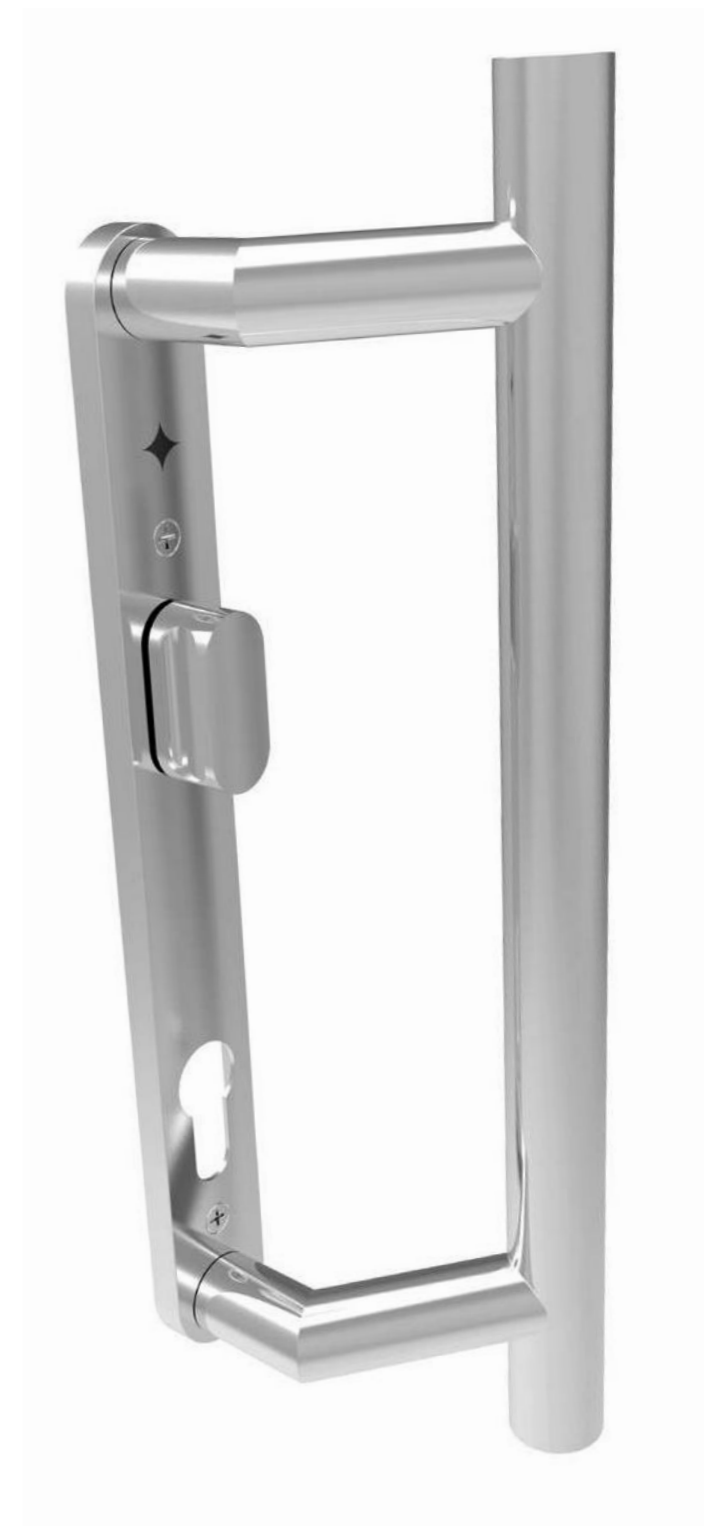


◆ Our products: Accessories

Our range of accessories helps provide you with those vital finishing touches for your new door system.

From handles to hinges, the style and colour of the accessories you select will have a significant effect on the final aesthetic look of your door. Whether you want a modern, contemporary feel, or prefer a more traditional look, we have a wide range of style and colour options to choose from.

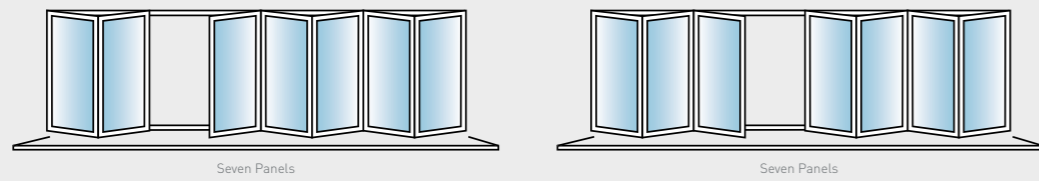
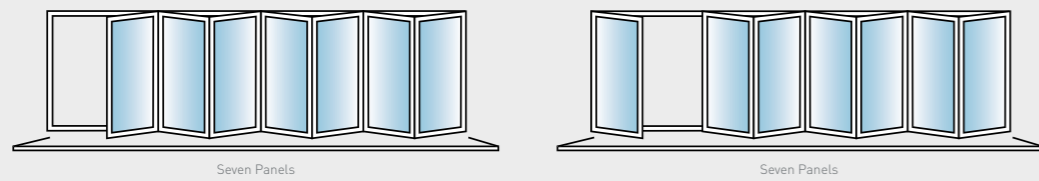
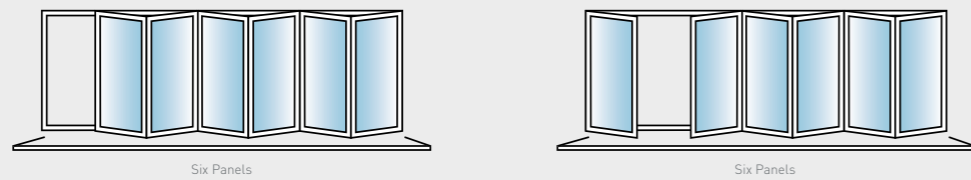
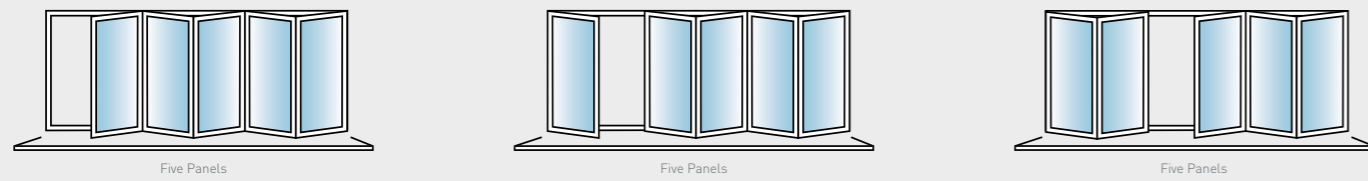
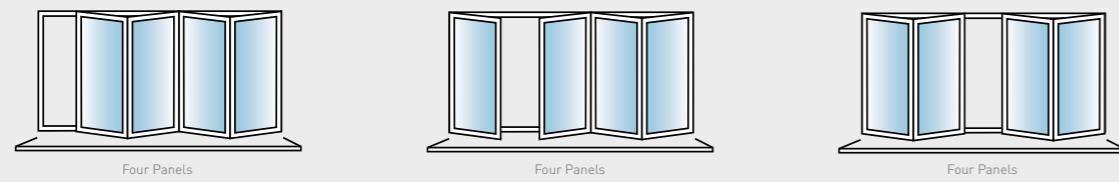
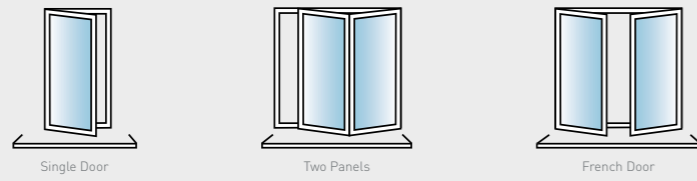
When selecting the hardware for your door, you can be assured that the hardware supplied by Smart has been fully tested alongside the profile systems. Ensure that your door has Smart hardware.



◆ Look for the new 'Smart Spark' on our hardware. It's our mark of quality and when you see it, you know the product has been through our exhaustive system testing programme.

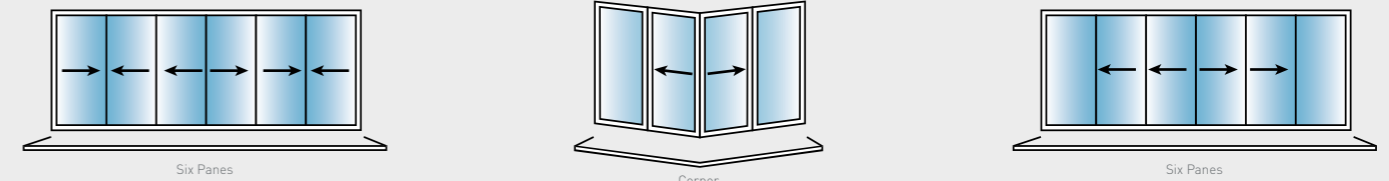
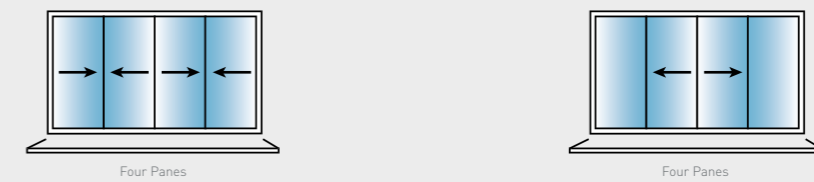
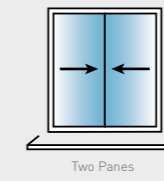
Design: Slide-folding Door

Slide-folding doors feature multiple door leaves which concertina to one or both sides of the frame.



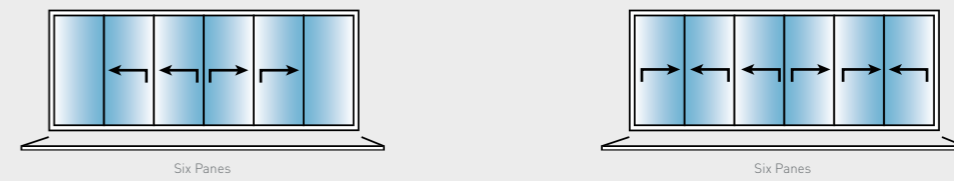
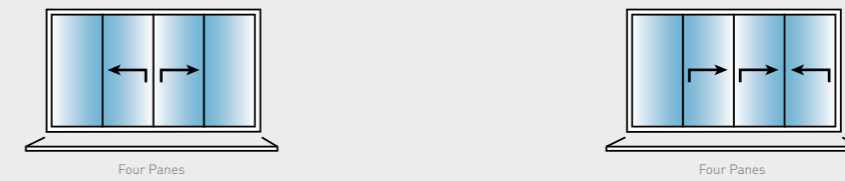
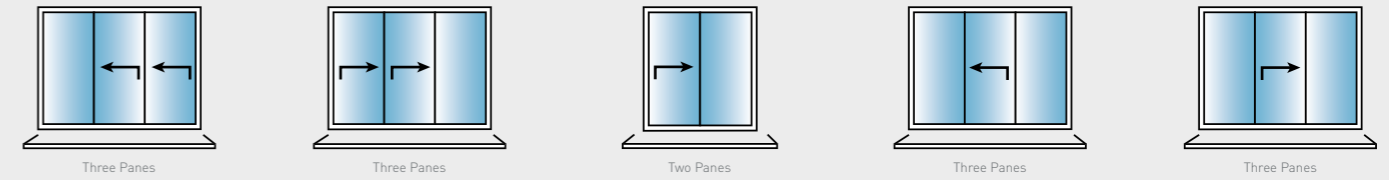
Design: Sliding Door

Sliding doors open and close in line, with the large door panes stacked one behind the other. The arrows below show sliding panes.



Design: Lift & Slide Door

Lift and slide doors are opened by turning the handle to lift the door on its track, then sliding it to the side. Individual door sashes can be locked in place at any point within the opening. The arrows below show the lift and sliding panes.





BES 668681



FM21582



EMS554307



OHS571955



ENMS634370



The images, drawings and data shown in this brochure are for illustrative purposes only and are not binding in detail, colour or specification. We reserve the right to make changes to the product specification as technical developments dictate and without prior notice. We recommend that the user ensures that they are satisfied the product meets their requirements prior to purchase. The 'Smart' logo and the 'Smart Spark' icon are registered Trade Marks of Smart Systems Ltd. ©Smart Systems Ltd 2017



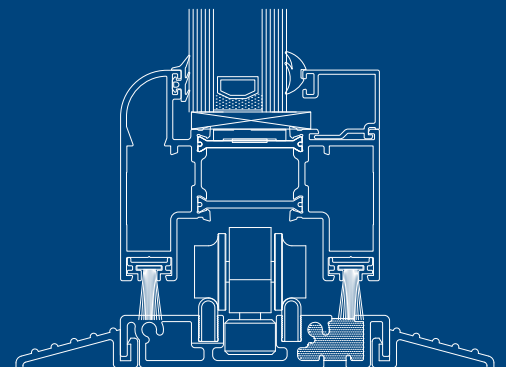
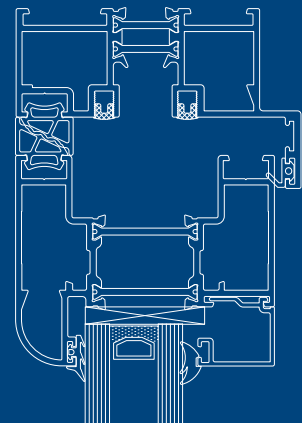
smart
architectural aluminium

Visofold

The Visofold series of slide-folding doors offer impressive opening apertures that can unite internal and external areas creating unique living and social areas. Suitable for both residential and commercial applications.

Features door systems tested to (depending on system):

- U Values up to 1.5 W/m²K
 - Security tested to PAS 24: 2012
 - Weather tested to BS 6375 Part 1: 2009
 - Colour matched accessories now available
- Speak with your supplier for details



BES 668681



FM21582



EMS554307



OHS571955



ENMS634370



Visofold: Slide Folding Doors

Visofold can be used in domestic applications as either an alternative to sliding doors, or to open up an entire wall as part of a conservatory; the system will make the most of a beautiful view or bring a garden into the home.

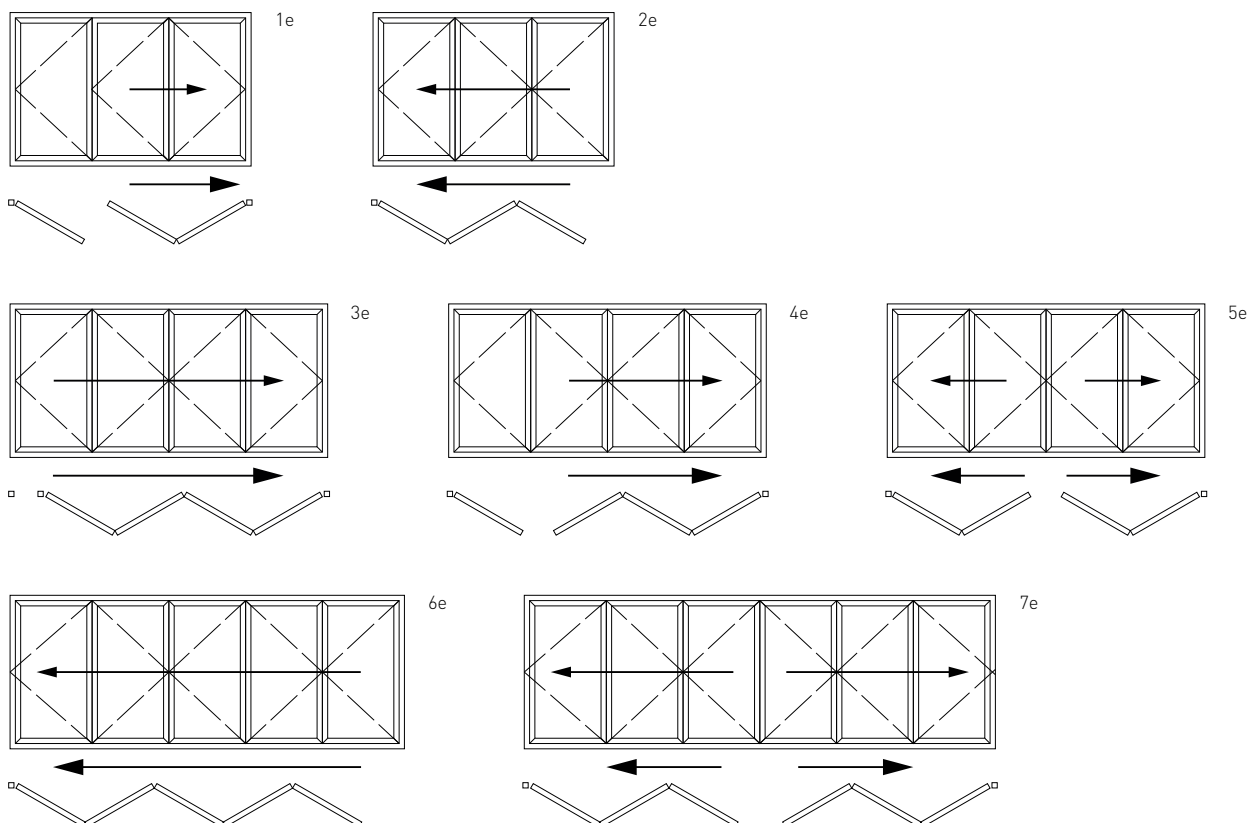
Used commercially in a bar, café or restaurant, Visofold can create a glazed screen that allows in the maximum ingress of light in inclement weather, and will also easily glide to open up an entire wall in warmer weather. Visofold doors offer a choice of opening configurations to suit any application. Choose to fold the sashes internally or externally, place the opening at the side so the sashes all fold one way, at one end, to create a single entrance door for easy access, or in the middle to give the option of a double door.

All Visofold profiles feature a polyamide thermal break that enhances the thermal performance of the profile and improves the overall U-Value. Profiles feature EPDM high quality gaskets and weather brushes to aid weather resistance. Visofold complies with the requirements of Building Regulations Document L 2010. Security is assured by multi-point lock mechanisms on main opening sashes, and shoot-bolt locking on floating mullions.

All Visofold doors have the option of either low thresholds for unimpeded, easy access, or rebated thresholds that offer improved weather resistance. Visofold doors are available in a choice of standard or non-standard colours, including metallic, wood-structure, dual colour and Smart's unique Sensations range of textured finishes.

Configurations

Plus many more designs please speak to your supplier for further information



Visofold 1000

Application

- ◆ Residential/retail/commercial

Features

- ◆ Attractive, slim-line profiles offer reduced sightlines
- ◆ Profiles available in either square or rounded edge options
- ◆ Fabricated using mitred corners
- ◆ Lock mechanism available with domestic style 'lift-up' handle and an adjustable, one-piece keep
- ◆ Manufactured using Smarts punch tooling

Technical Performance

Finish Single or dual colour, marine quality polyester powder coat as standard **

U Value 1.5 W/m²K using a 1.0 centre pane

Air Class 4, 600Pa

Water Class E, 750Pa

Wind Class 4, 1800Pa

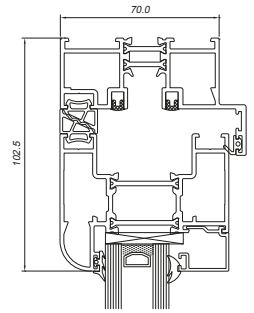
Document L Compliant

PAS 24:2016 Enhanced Security Performance

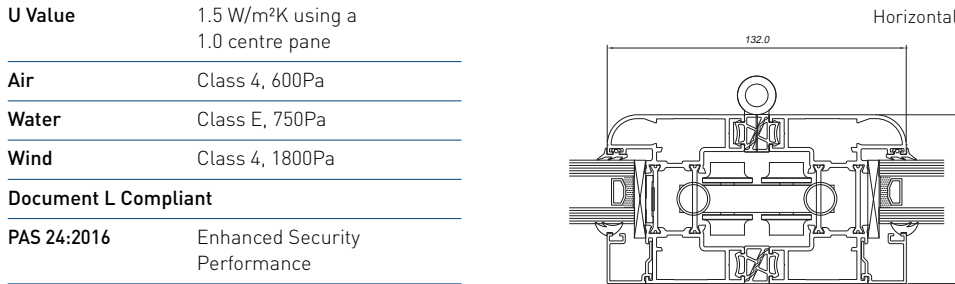
Dimensions

Frame Width	102.5mm
Frame Depth	70mm
Glass	24, 28, 32, 34 or 36mm double or triple glazed units
Max o/a Height:	2500mm (per sash)
Max o/a Width	1200mm (per sash)
Max Sash Weight:	100kg

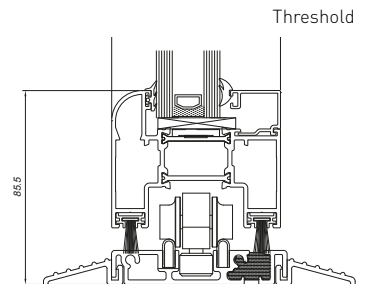
[For sizes outside of these parameters, contact Smarts Technical].



Head



Horizontal



Threshold



Visofold 2000

Application

- ◆ Residential/retail/commercial

Features

- ◆ Visofold 2000 is styled for use on retail or commercial applications such as bars, cafes or shops that require the benefit of opening up an entire facade in good weather, and also providing a glazed screen that allows the maximum ingress of light when closed
- ◆ Manufactured by method of a square cut, non-mitred design with square edged profiles which mimic a timber profile appearance
- ◆ Optional commercial high security multi-point lock
- ◆ Option of using a deep bottom rail on sashes
- ◆ Manufactured using Smarts punch tooling

Technical Performance

Finish Single or dual colour, marine quality polyester powder coat as standard**

U Value 1.6 W/m²K using a 1.0 centre pane

Air Class 3, 600Pa

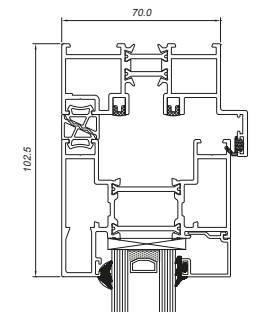
Water Class 7a, 300Pa

Wind Class 4, 1800Pa

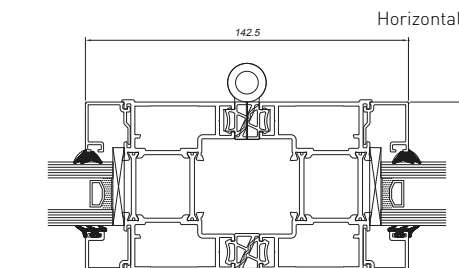
Document L Compliant

Dimensions

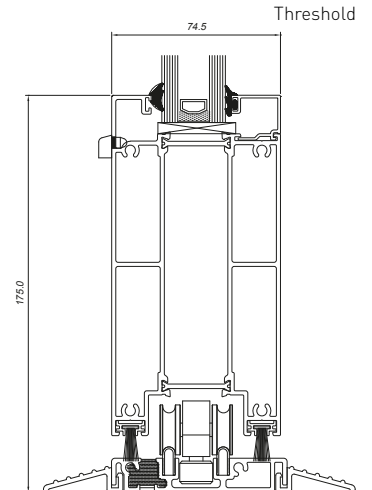
Frame Width	102.5mm
Frame Depth	70mm
Typical Sight Line*	143mm
Glass	24, 28, 32, 34 or 36mm double or triple glazed units
Max o/a Height	2500mm (per sash)
Max o/a Width	1000mm (per sash)
Max Sash Weight	100kg



Head



Horizontal



Threshold



Visofold 3000

Application

- ◆ Residential/retail/commercial

Features

- ◆ Visofold 3000 offers elegant slim sightlines coupled with highly engineered hardware designed to ensure years of reliable service
- ◆ Slim sightlines allow more light into the building and give a pleasing appearance
- ◆ Attractively styled round or square edge profiles and highly engineered and robust hinges
- ◆ Specially designed stainless steel rollers give smooth and easy operation
- ◆ Domestic lift-up style handles
- ◆ Fabricated using mitred corners
- ◆ Manufactured using Smarts punch tooling

Technical Performance

Finish Single or dual colour, marine quality polyester powder coat as standard **

U Value 1.6 W/m²K using a 1.0 centre pane

Air Class 3, 300Pa

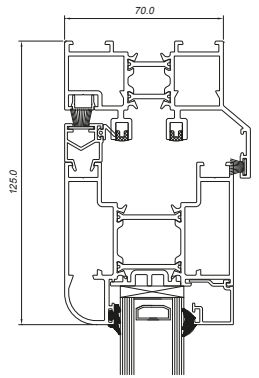
Water Class E, 1050Pa

Wind Class 4, 1800Pa

Document L Compliant

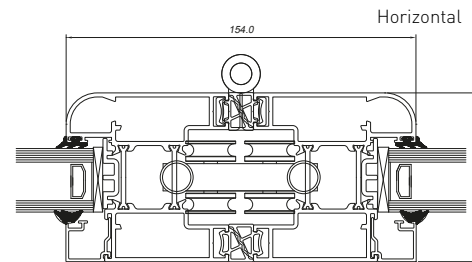
Dimensions

Frame Width	125mm
Frame Depth	70mm
Typical Sight Line*	154.2mm
Glass	28mm double or triple gazed units
Max o/a Height:	2500mm (per sash)
Max o/a Width	1000mm (per sash)
Max Sash Weight:	100kg

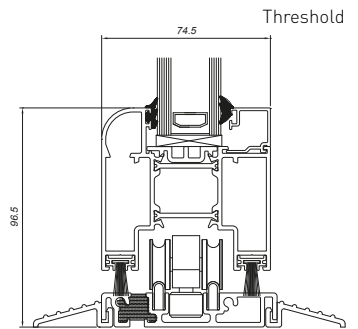


Head

U Value	1.6 W/m ² K using a 1.0 centre pane
Air	Class 3, 300Pa
Water	Class E, 1050Pa
Wind	Class 4, 1800Pa
Document L Compliant	



Horizontal



Threshold



Visofold 4000

Application

- ◆ Residential/retail/commercial – robust use

Features

- ◆ Heavy duty slide folding doors suitable for use in commercial applications where heavy usage is expected
- ◆ Sashes are hung from a floating mullion which provides additional strength and stability
- ◆ Sashes slide on 4 stainless steel rollers sitting on a steel track which give a smooth opening action
- ◆ Visofold 4000 is an ideal choice for applications that require large or runs of multiple sashes
- ◆ Profiles feature attractive rounded-edge
- ◆ Manufactured using Smarts punch tooling

Technical Performance

Finish Single or dual colour, marine quality polyester powder coat as standard**

U Value 1.7 W/m²K

Air Class 3, 600Pa

Water Class 7a, 300Pa

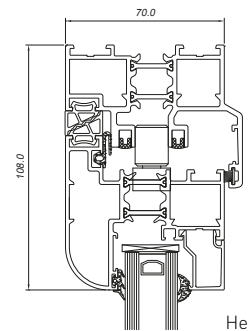
Wind Class 3, 1200Pa

Document L Compliant

Dimensions

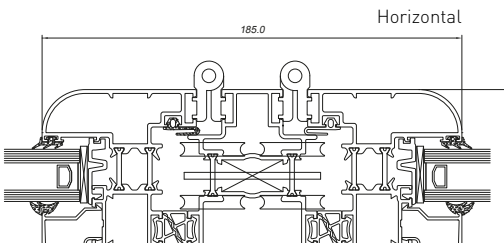
Frame Width	108mm
Frame Depth	70mm
Typical Sight Line*	185mm
Glass	24 – 38mm double or triple gazed units
Max o/a Height	2500mm (per sash)
Max o/a Width	1000mm (per sash)
Max Sash Weight	100kg

**Marine guarantee subject to application.

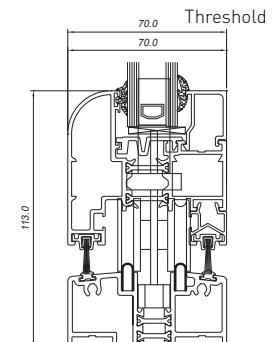


Head

U Value	1.7 W/m ² K
Air	Class 3, 600Pa
Water	Class 7a, 300Pa
Wind	Class 3, 1200Pa
Document L Compliant	



Horizontal



Threshold



Aluk BSF70 Bifold Door V1

ALUK[®]

BSF70 Bi-Fold Door

WELCOMING
STUNNING
PRACTICAL

FENSA



Proven Performance



ALUK BSF70 BI-FOLD DOOR

An intelligent combination of form and function, our highly versatile and market-leading Bi-fold sliding door system gives you maximum control over the style and operation of the doors.

Multiple panels can be added to accommodate the design specifications of your building, with the option to open in or out as required. The system also boasts a unique flush line pop-out handle that allows for square flush stacking panels when doors are fully open.

DESIGN FEATURES

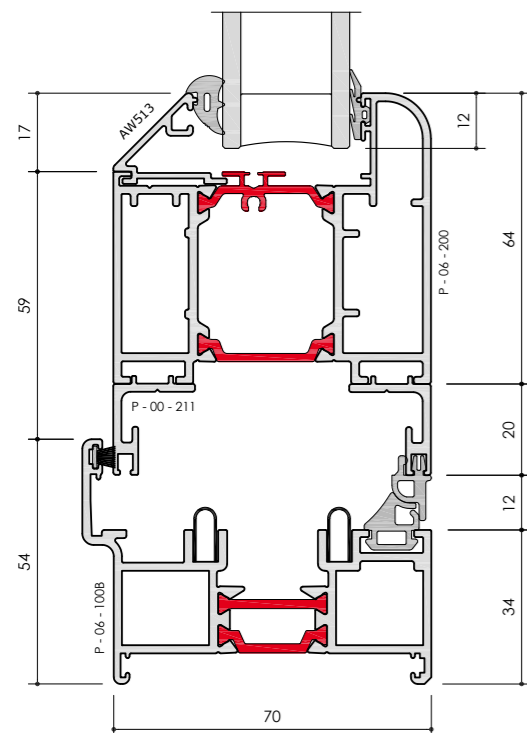
- Certified under the Secured By Design scheme
- Tested to PAS 24
- Unique, pop-out handle that allows for maximum door opening and panels to stack square
- Four stainless style rollers to ensure smooth and consistent operation

OPTIONS

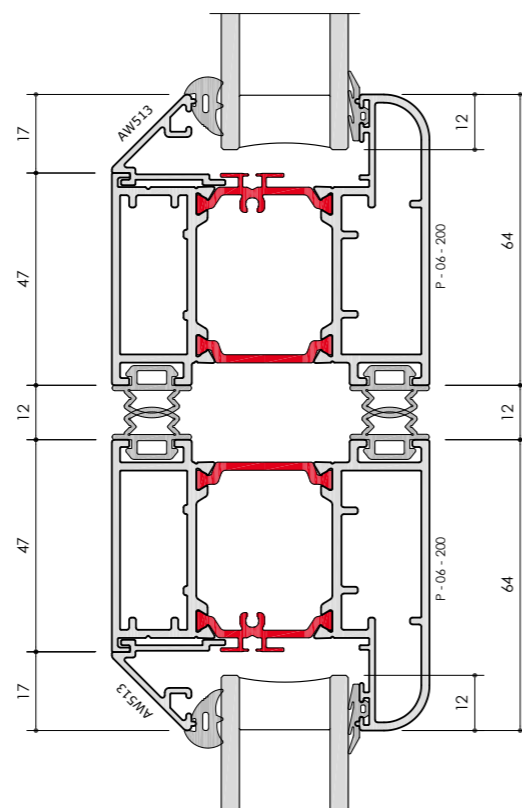
- Chamfered and square bead options
- Glazing 28mm – 40mm
- Available in a range of opening configurations
- Available with heavy duty rollers; BSF70 HD
- Available in a range of single or dual colour and anodised finishes



Cill Detail



Interlock Detail



SPECIFICATIONS

PERFORMANCE AND ACCREDITATION	BSF70	BSF70 HD
• U-value (double glazing)	1.6 W/m ² K	1.6 W/m ² K
† U-value (triple glazing)	1.4 W/m ² K	1.4 W/m ² K
Air tightness (Pa) (standard threshold)	Class 4 (600 Pa)	
Water tightness (Pa) (standard threshold)	Class 9a (600 Pa)	
Wind load (Pa)	Class AE2400 (2400 Pa)	
Security	PAS 24	
3rd party certification	Q-mark	
Secured by design	✓	

CONFIGURATIONS

Opening	Open in and open out	Open in and open out
2-2-0	✓	✓
3-3-0	✓	✓
3-2-1	✓	✓
4-4-0	✓	✓
4-2-2	✓	✓
4-3-1	✓	✓
5-5-0	✓	✓
5-3-2	✓	✓
5-4-1	✓	✓
6-6-0	✓	✓
6-3-3	✓	✓
6-4-2	✓	✓
6-5-1	✓	✓
7-7-0	✓	✓
7-4-3	✓	✓
7-5-2	✓	✓
7-6-1	✓	✓

DESIGN FEATURES

Max vent weight	100 kg	130 kg
Sightline (Head)	110mm	110mm
Sightline (Cill)	130mm	130mm
Sightline (Jamb)	110mm	110mm
Sightline (Meeting Stile)	140mm	140mm

SYSTEM FEATURES

Frame depth	70mm	70mm
Dual colour option	✓	✓
Multi-point locking	✓	✓
Glazing options	Internal bead	Internal bead
Glazing thickness	24mm-40mm	24mm-40mm

* Folding Doors are calculated using EN ISO 10077 - Part 2, 3000mm x 2180mm, 3-3-0 Door with Ug: 1.0 W/m²K (double glazed) / 0.7 W/m²K (triple glazed) using P-06-100 outerframe and P-06-200 vent. Single and Double Door value is calculated using EN ISO 10077 - Part 2, 2000mm x 2180mm Double Door with Ug: 1.0 W/m²K (double glazed) / 0.7 W/m²K (triple glazed) using P-06-100 outerframe and P-06-200 vent.

• U-Value (Double Glazing) - Folding Doors are calculated using EN ISO 10077 - Part 2, 3000mm x 2180mm, 3-3-0 Door with Ug: 1.0 W/m²K using P-06-100 outerframe and P-06-200 vent. Single and Double Door value is calculated using EN ISO 10077 - Part 2, 2000mm x 2180mm Double Door with Ug: 1.0 W/m²K using P-06-100 outerframe and P-06-200 vent.

† U-Value (Triple Glazing) - Folding Doors are calculated using EN ISO 10077 - Part 2, 3000mm x 2180mm, 3-3-0 Door with Ug: 0.7 W/m²K using P-06-100 outerframe and P-06-200 vent. Single and Double Door value is calculated using EN ISO 10077 - Part 2, 2000mm x 2180mm Double Door with Ug: 0.7 W/m²K using P-06-100 outerframe and P-06-200 vent.



BI-FOLD SYSTEM

CORTIZO has designed more than 50 exclusive systems of windows, façades, composite panel, solar protection systems and balustrade. This commitment to innovation allows us to offer high value added products, maximizing energy efficiency, thermal and acoustic insulation and resistance to atmospheric agents.

INNOVATION

TECHNOLOGY

QUALITY

EFFICIENCY

GUARANTEE

SUSTAINABILITY

AESTHETIC

FUNCTIONALITY

DESIGN

COMFORT

R+D+I

BI-FOLD SYSTEM



Bi-fold system with Thermal break specially for enclosing large gaps with the most avant-garde aesthetic.

It has a range variety of compositions up to 14 sashes in outwards & inwards openings.

Allows to inlay bottom frame leaving threshold completely accessible.

- Maximum energy efficiency values: window transmittance from 1,5 (W/m²K)*.
- Maximum tightness: CLASS 9A, which means during 55 minutes, total affluent of 330 liters and wind velocity of 114 km/h, there's no water intake.

CATEGORIES ACHIEVED AT TEST CENTRE*

Air permeability	CLASS 4
Water tightness	CLASS 9A
Wind resistance	CLASS A3

OPENING POSSIBILITIES

Bi-fold up to 14 sashes.

*CONSULT TYPOLOGY, DIMENSION AND GLASS.



RESISTANCE TO ATMOSPHERIC AGENTS [CORTIZO COMFORT]

All of CORTIZO's enclosing systems are tested in the Test Laboratory at the Technological Center to guarantee the best performance in watertightness, air permeability and wind loads, endorsed by the maximum results in its test qualifications.

THERMAL INSULATION [CORTIZO ENERGY EFFICIENCY]

Nowadays energy efficiency in buildings is a demand made, both by the architects, as by the final customer aware of the importance of saving on heating costs and air conditioner. CORTIZO meets such challenge with systems for every climatic area with a high insulation coefficient to ensure the comfort in the residence.

ACOUSTIC INSULATION [CORTIZO SILENCE]

In order to transform the residence into a private space, intimate and free of pollution outdoor acoustics, CORTIZO has designed its enclosing systems with all the latest technological developments necessary to ensure indoors peace and relax.

UNLIMITED COLOUR RANGE [CORTIZO COLOURS]

The whole RAL colour chart in powder coating, exclusive powder coating, metallic, textured, wood effect, more than 100 finishes in anodized. Aluminum on the outside and wood in the inside, two-coloured finishes... An unlimited offer to create a colour harmony at home. Quality labels in every process: QUALICOAT, SEA-SIDE, QUALIDECO and QUALANOD.

AVANT-GARDE AESTHETICS [CORTIZO DESIGN]

We create tailor-made windows and façades for every project. Creativity to answer aesthetically and functionally to each demand. Aesthetic answers to the technical needs. Creativity at the service of habitable environments.

ENCLOSURES FOR LIFE [CORTIZO DURABILITY]

Aluminum is the most durable, long-standing and resistant material of those used in enclosures. Aluminum has the strength and a durability of the things that last a whole lifetime.

SUSTAINABLE SPIRIT [CORTIZO SUSTAINABILITY]

Respect for the environment is CORTIZO'S commitment. Using innocuous raw materials and products in all our manufacturing process and the limitless possibility of aluminum recycling, allows us to remove any creation of waste and environmental risks.



FOR MORE INFORMATION
VISIT OUR WEB
www.cortizo.com

Unifold



UNIFOLD

THE EFFORTLESSLY SLIM
NEW FOLDING SLIDING
DOOR

With just a 120mm, glass-to-glass sightline,
UniFold will open up your room to the light and
bring the outside in, creating a functional, open
space for living, working and entertaining.

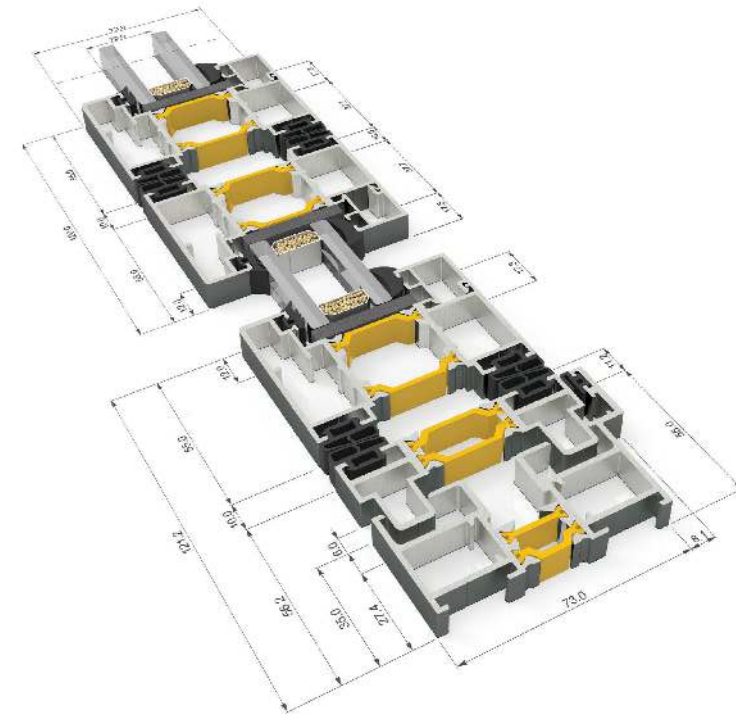
Slim 120mm glass-to-glass sightline

Fully Adjustable for ease of installation

Can achieve PAS 24 / Secured by design

Fully openable corners

Market beating prices



Size Limits

Maximum panel width	1200 mm
Maximum panel height	3000 mm
Maximum panel weight	120 kg

PERFORMANCE

U-VALUE	From 1.4 W/m ² K
AIR PERMEABILITY	Class 4
WATER TIGHTNESS	Class 9A
WIND RESISTANCE	Class A3

FRAME DEPTH	73 mm
GLAZING THICKNESS	24-44 mm
GLAZING METHOD	Internally beaded
MINIMUM SIGHTLINE	120 mm
ENHANCED SECURITY	PAS24

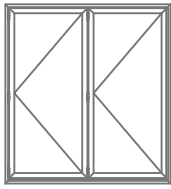
THRESHOLD HEIGHT

STANDARD	55 mm
DEEP	67.5 mm
LOW	40 mm
ULTRA LOW	20 mm

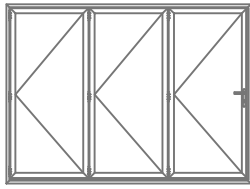
UNIFOLD - Contents

- 1.0 Typical Elevations
- 2.0 Standard Profiles
- 3.0 Typical Sections
 - 3.1 Threshold - Open Out
 - 3.2 Threshold - Low Threshold
 - 3.3 Threshold - Open In
 - 3.4 Head - Open Out
 - 3.5 Head - Open In
 - 3.6 Head - Trickle Vent + 20mm Add On
 - 3.7 Jamb - Hinged Open Out
 - 3.8 Jamb - Hinged Open In
 - 3.9 Interlock - T-Handle Open Out
 - 3.10 Interlock - T-Handle Open In
 - 3.11 Meeting - Traffic to Even Open Out
 - 3.12 Jamb - Traffic Door Open Out
 - 3.13 Jamb - Traffic Door Open In
 - 3.14 Meeting - Traffic to Odd Open Out
 - 3.15 Meeting - Even to Even Open Out
 - 3.16 Jamb - Even Configuration
 - 3.17 Threshold - Cill Options
 - 3.18 Threshold Cill Nose Option

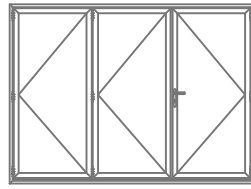
UNIFOLD- Typical Elevations



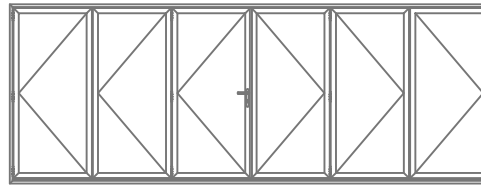
2 PANE - 220



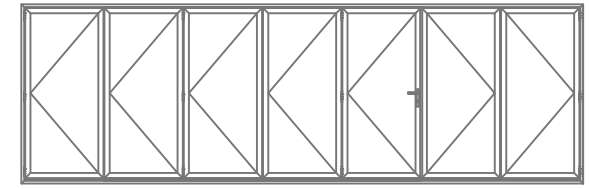
3 PANE - 330



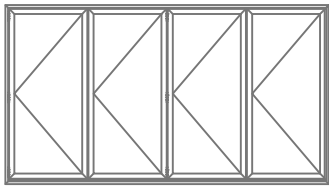
3 PANE - 321



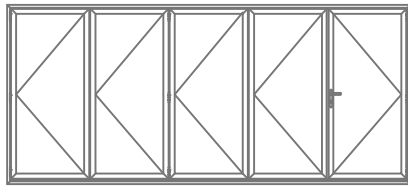
6 PANE - 633



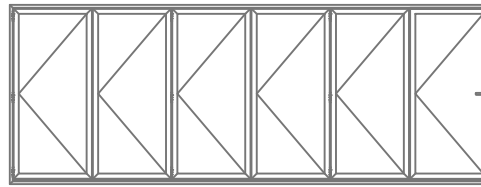
7 PANE - 752



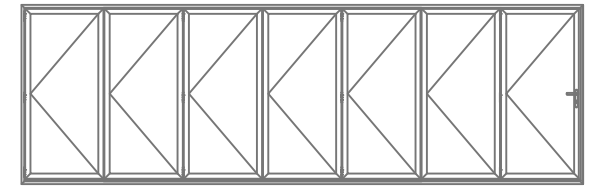
4 PANE - 440



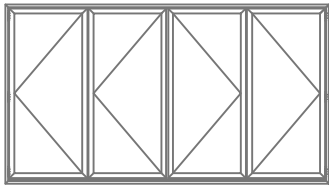
5 PANE - 541



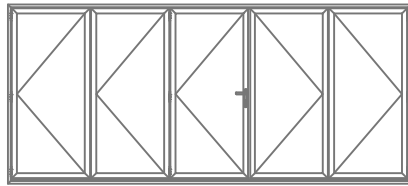
6 PANE - 660



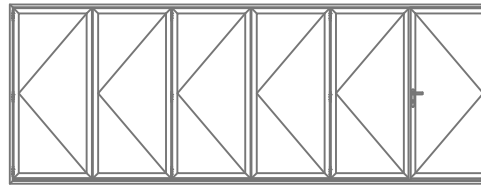
7 PANE - 770



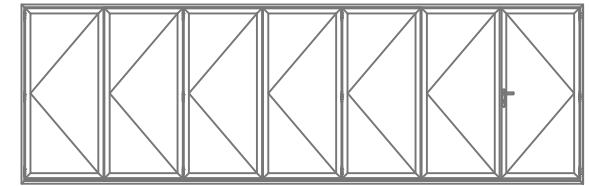
4 PANE - 422



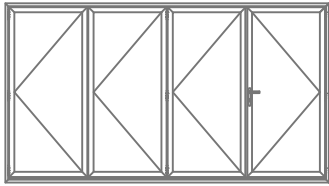
5 PANE - 532



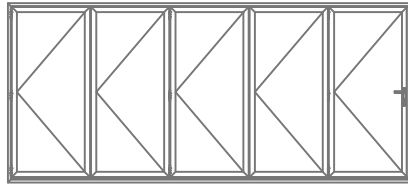
6 PANE - 651



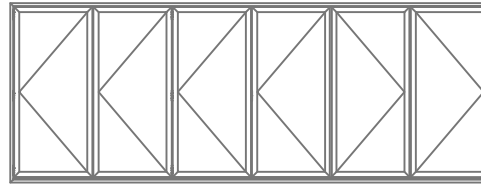
7 PANE - 761



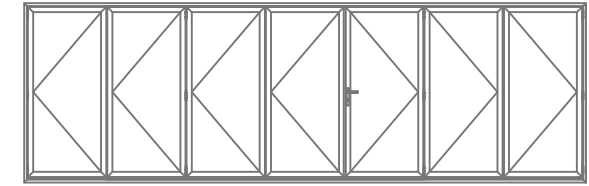
4 PANE - 431



5 PANE - 550



6 PANE - 642

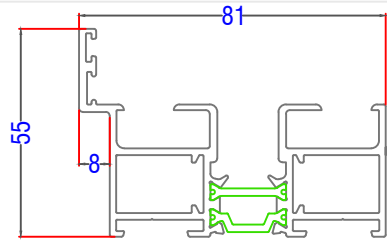


7 PANE - 743

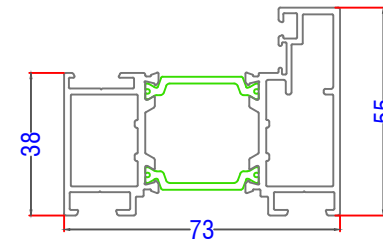
LOW THRESHOLD OPTION AVAILABLE

OPEN IN AND OPEN OUT CONFIGURATIONS AVAILABLE

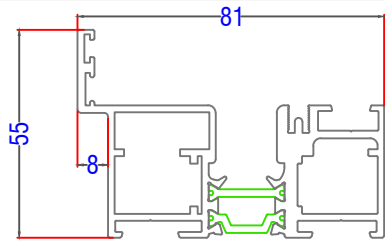
UNIFOLD- Standard Profiles



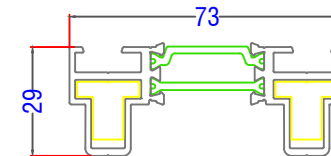
3731 - Outer Frame
(Head and Jamb)



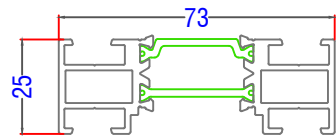
3721 - Slim Sash



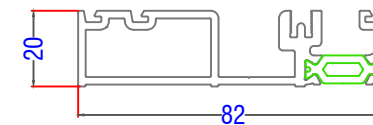
3730 - Outer Frame (Base)



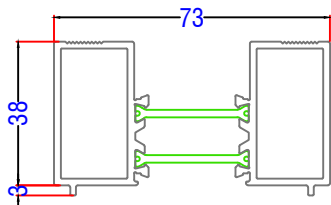
3740 - Adjustable Jamb



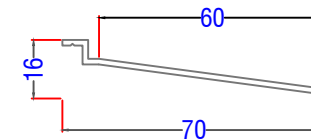
3741 - 25mm Extension Profile



3740 - Low Threshold

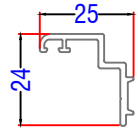


3795 - 38mm Extension Profile

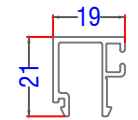


7056 - Cill Extension 70mm

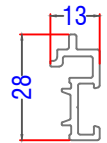
BSF 70 - Standard Profiles



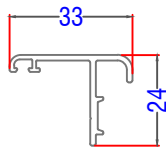
3746 - Swing Door Rebate (Adjustable Jamb)



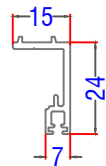
780 - 28mm DGU Glazing bead



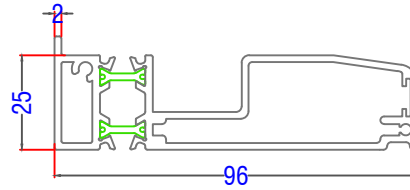
3743 - Multipoint lock add on



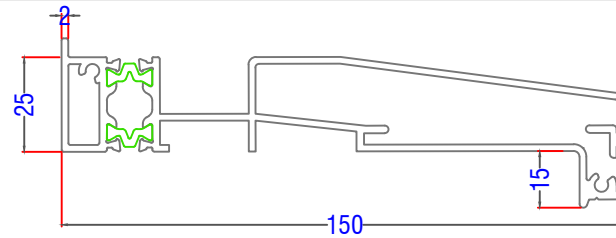
3745 - Swing Door Rebate



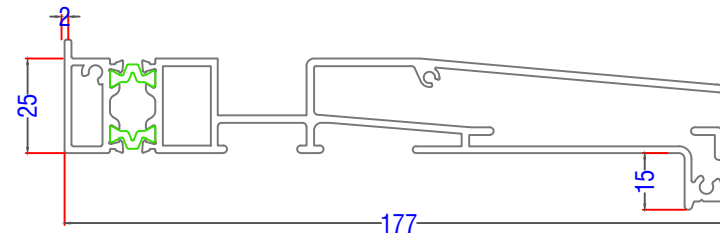
3725 - Sash Extension



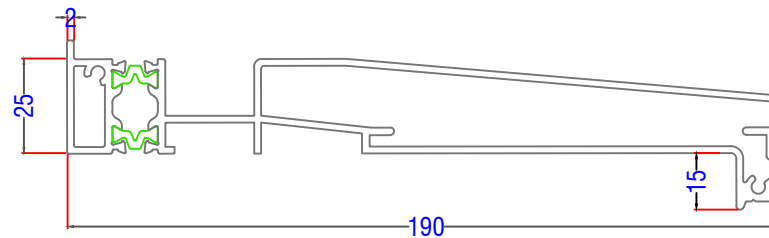
AL Uk AW570 - 95mm Stub Nose Cill



AL Uk AW542 - 150mm Drop Nose Cill



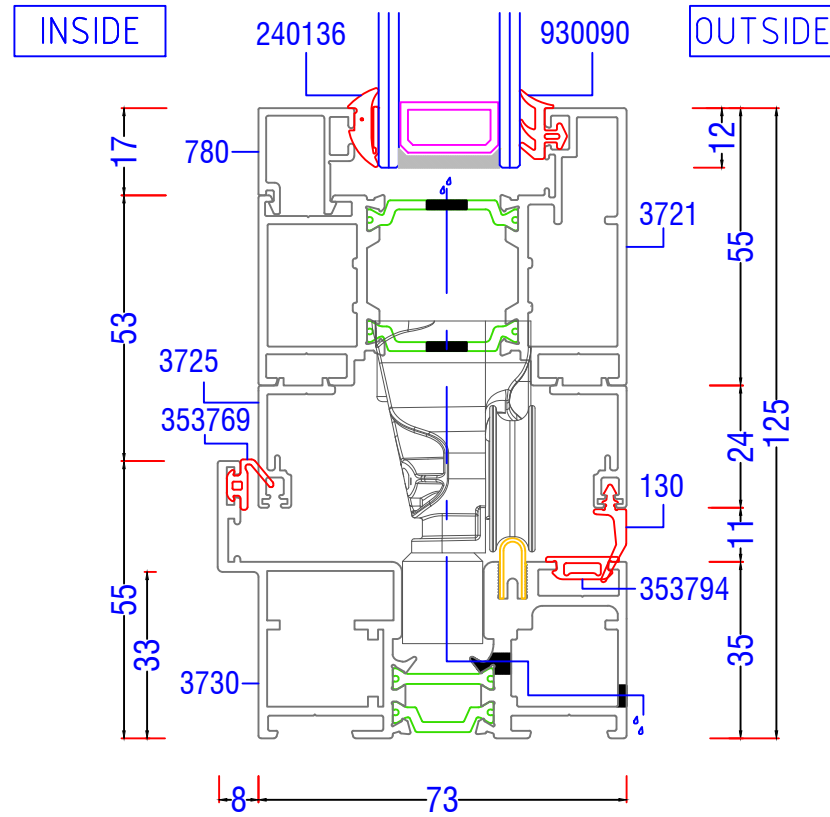
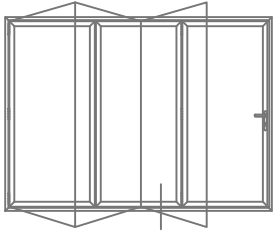
AL Uk AW543 - 177mm Drop Nose Cill



AL Uk AW544 - 190mm Drop Nose Cill

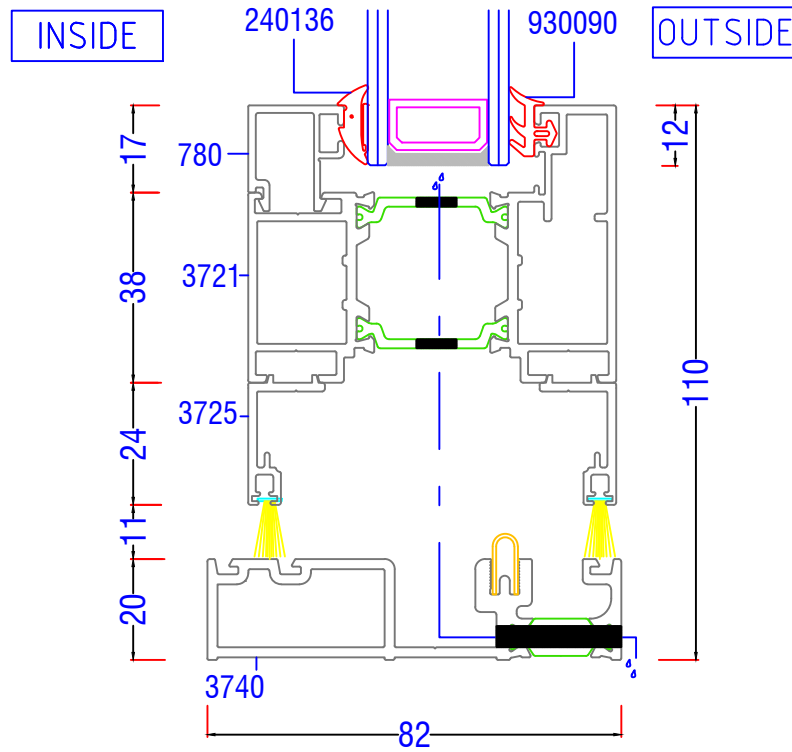
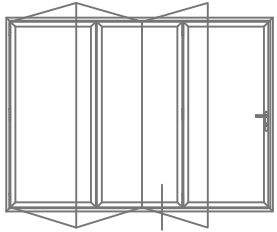
UNIFOLD - Typical Sections

Threshold - Open Out



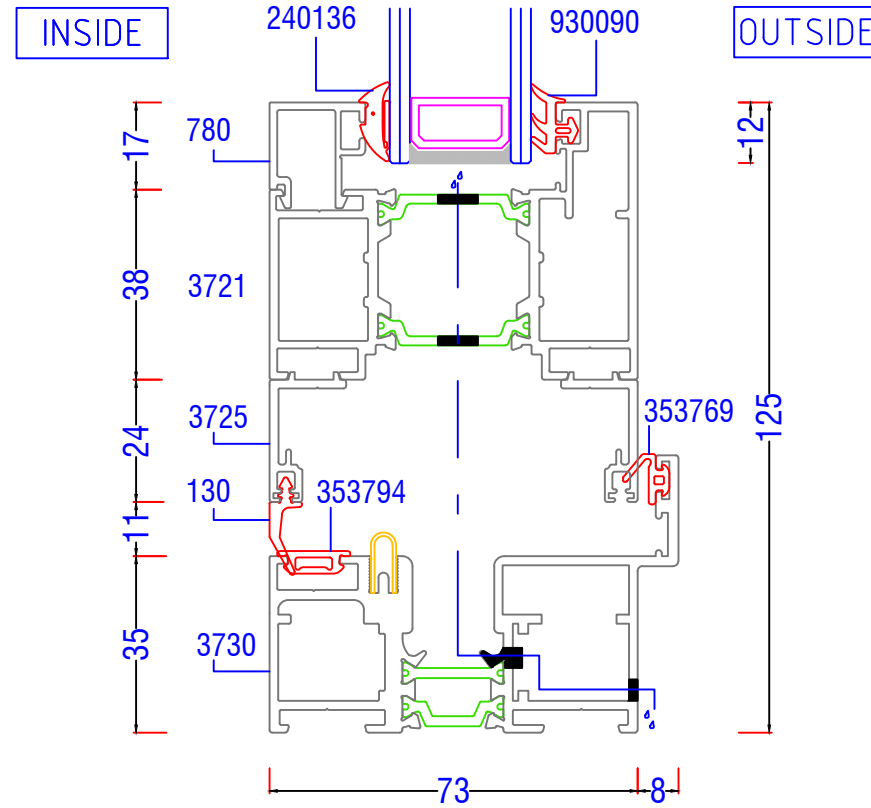
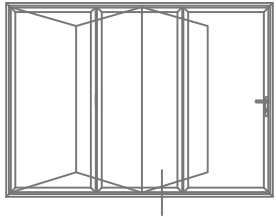
UNIFOLD - Typical Sections

Threshold - Low Threshold



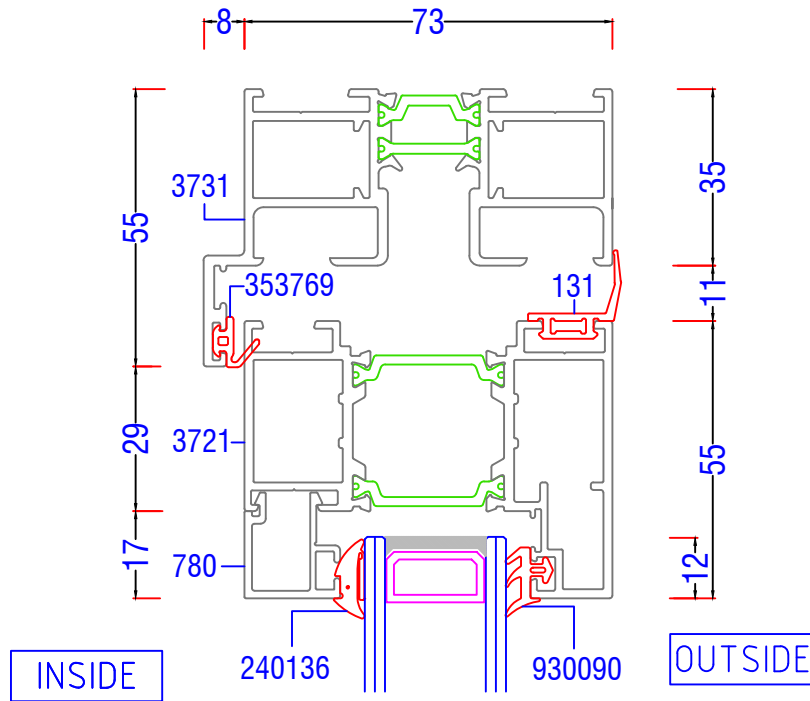
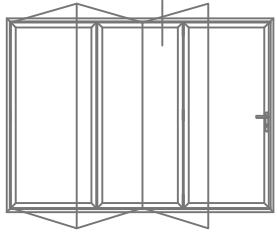
UNIFOLD - Typical Sections

Threshold - Open In



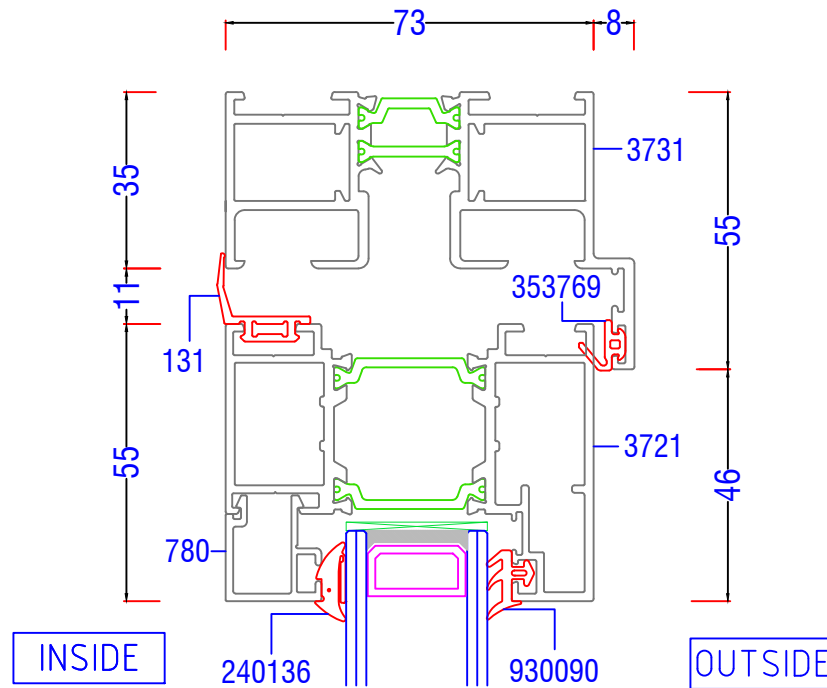
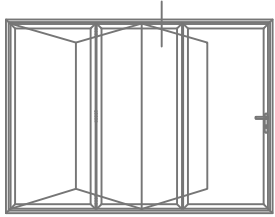
UNIFOLD - Typical Sections

Head - Open Out



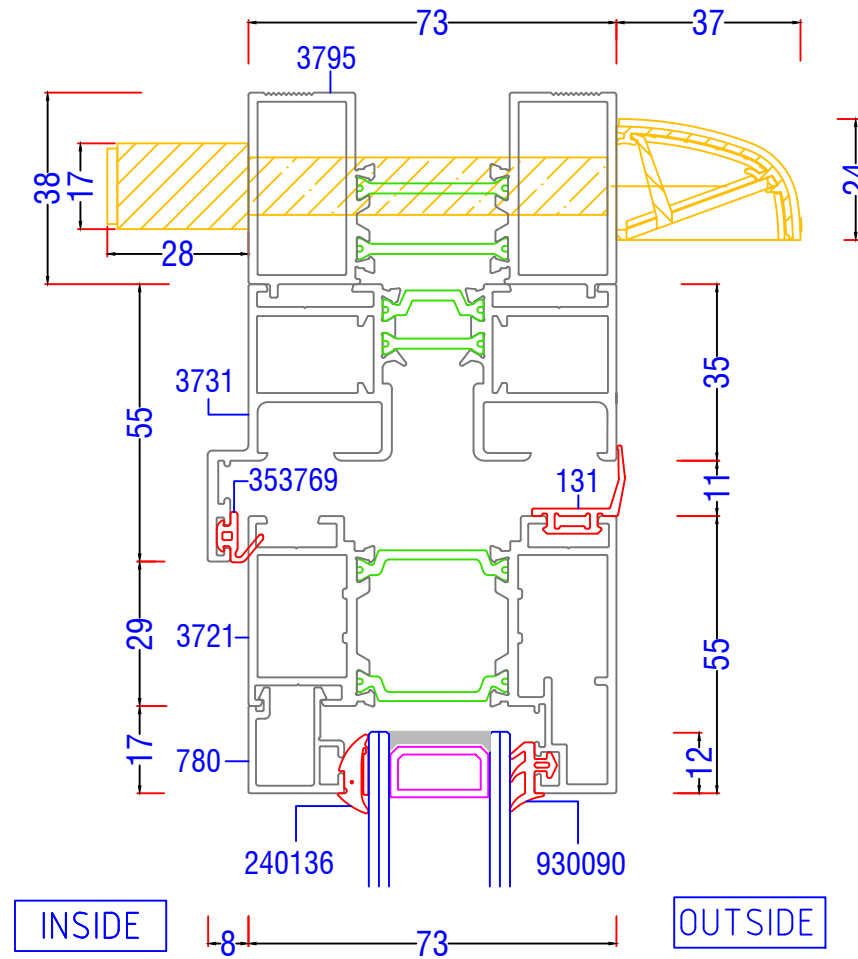
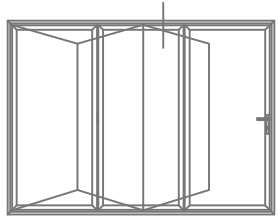
UNIFOLD - Typical Sections

Head - Open In



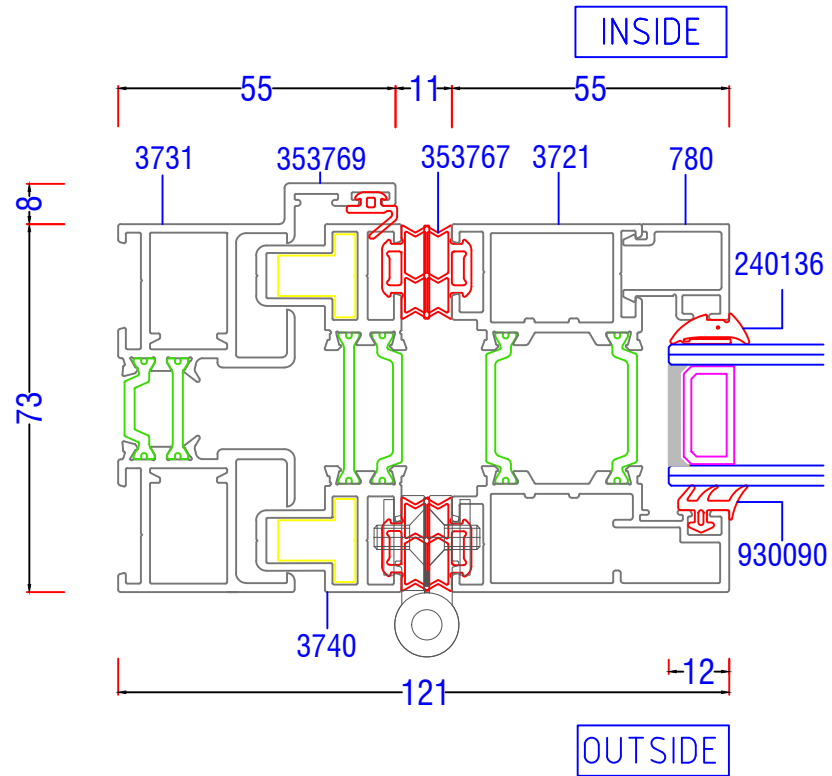
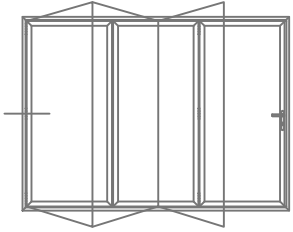
UNIFOLD - Typical Sections

Head - Open In with 20mm Extension + Trickle Vent



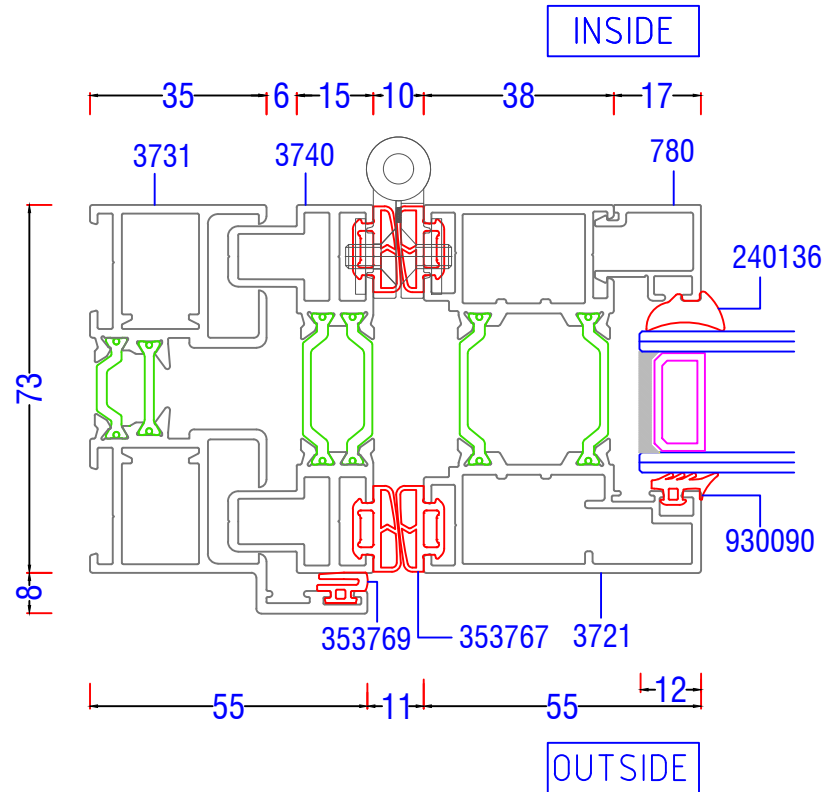
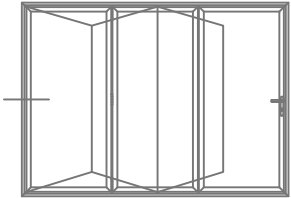
UNIFOLD - Typical Sections

Jamb - Hinged Open Out



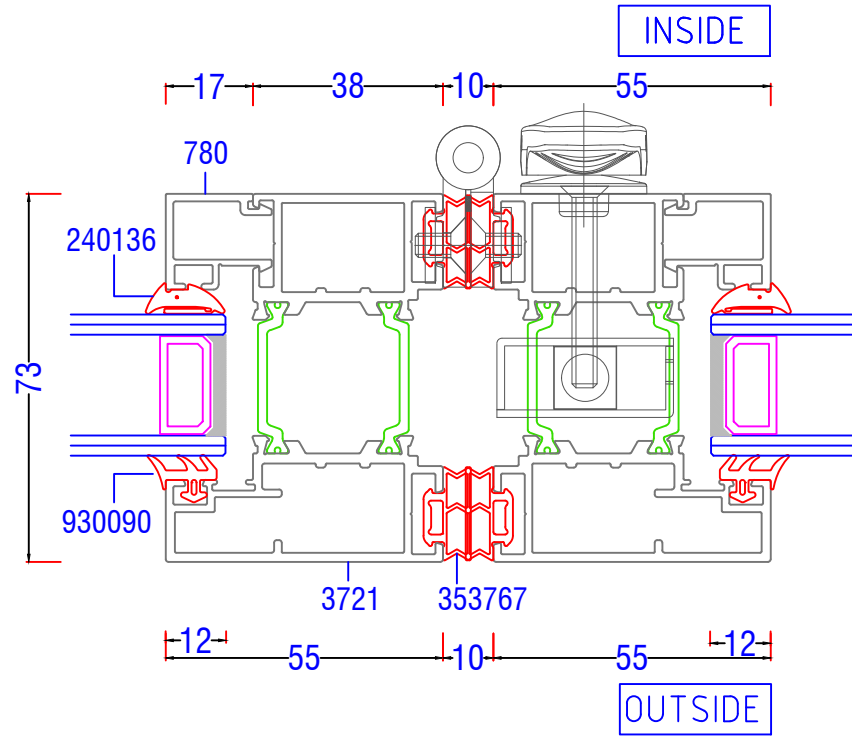
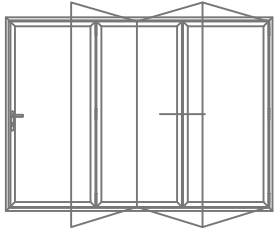
UNIFOLD - Typical Sections

Jamb - Hinged Open In



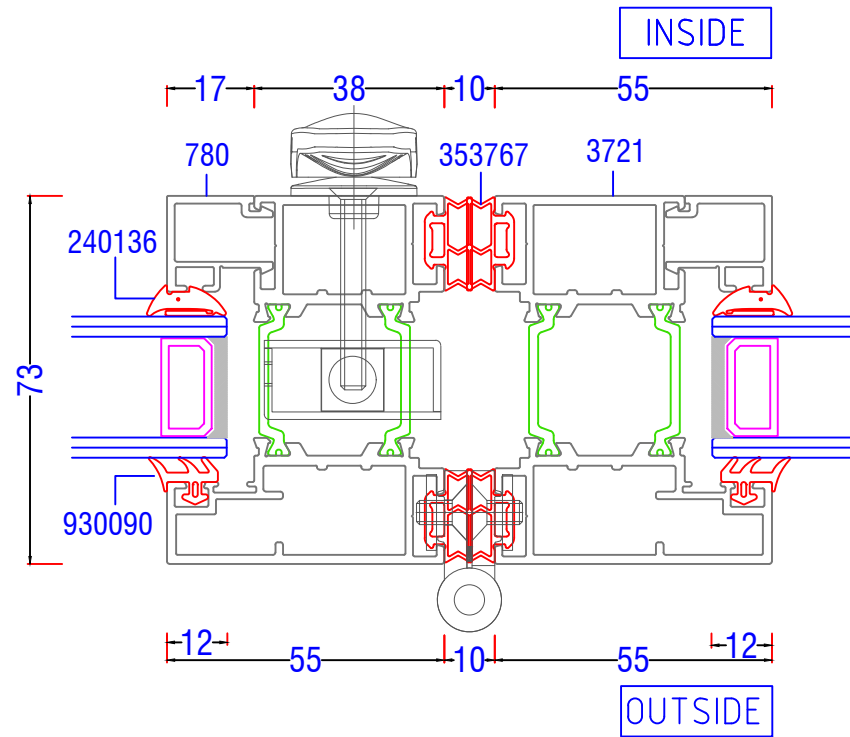
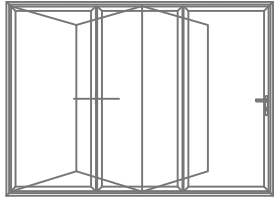
UNIFOLD - Typical Sections

Interlock - T-Handle Open Out



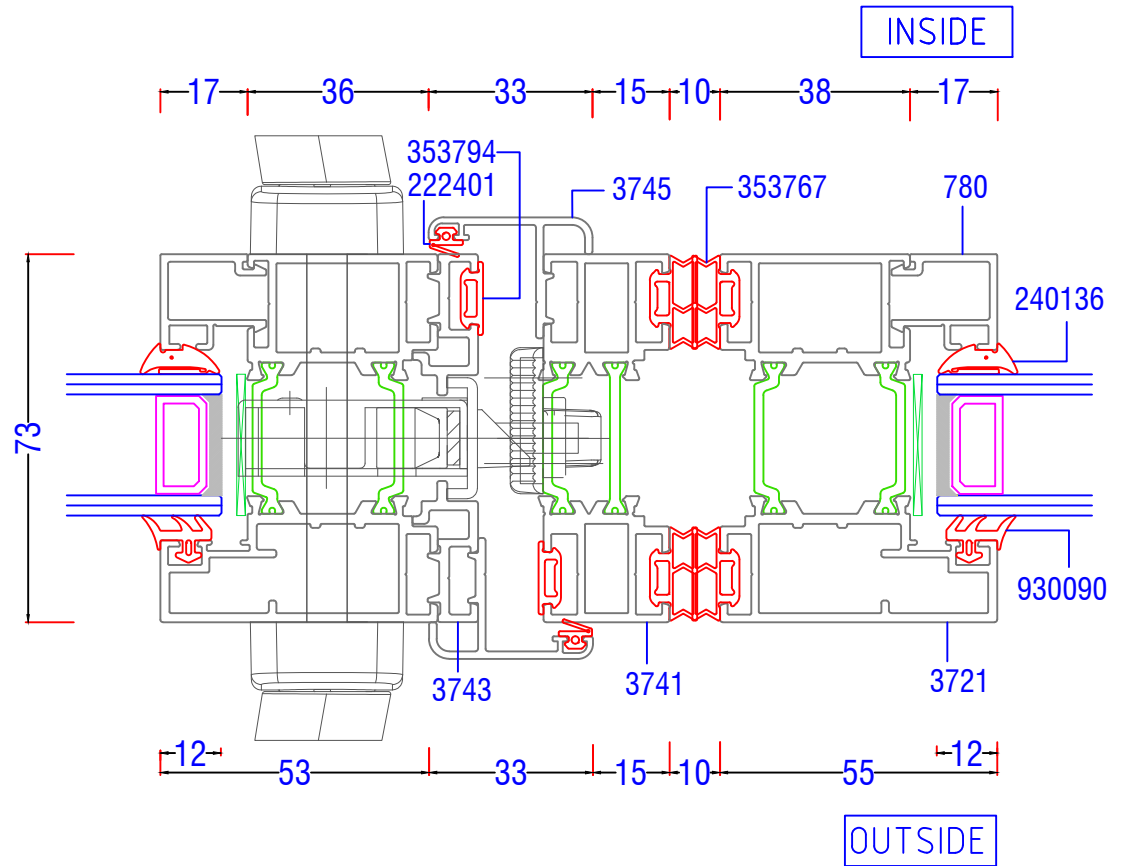
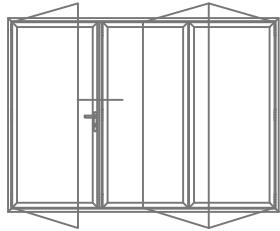
UNIFOLD- Typical Sections

Interlock - T-Handle Open In



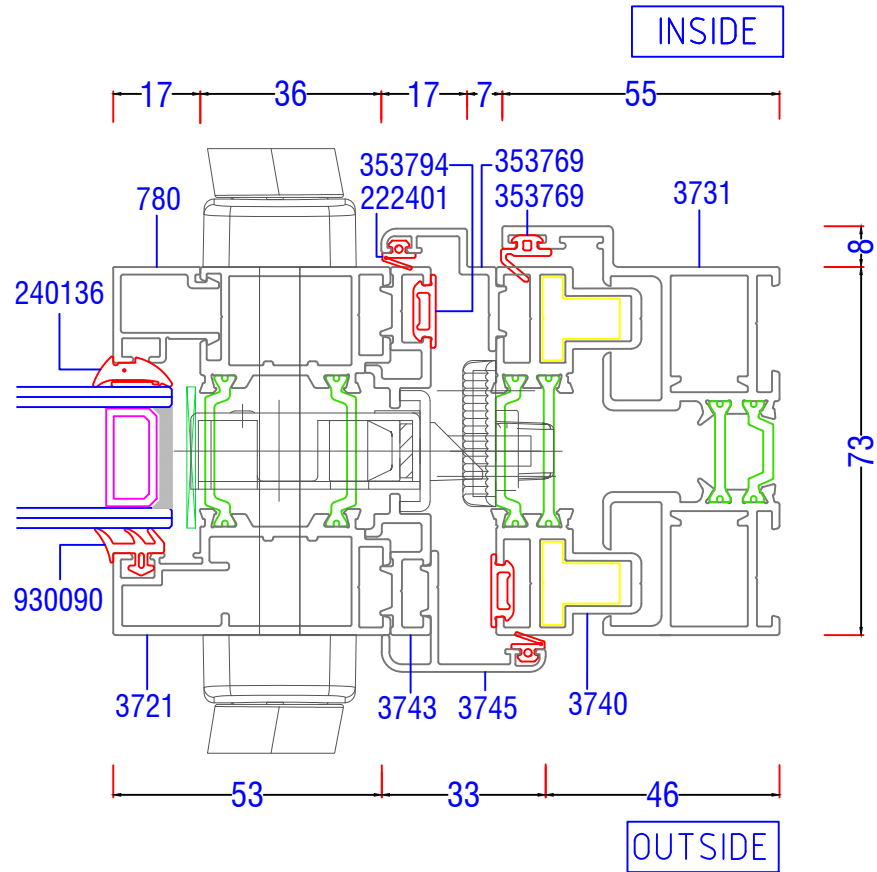
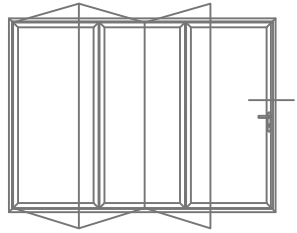
UNIFOLD - Typical Sections

Meeting - Traffic To Even Open Out



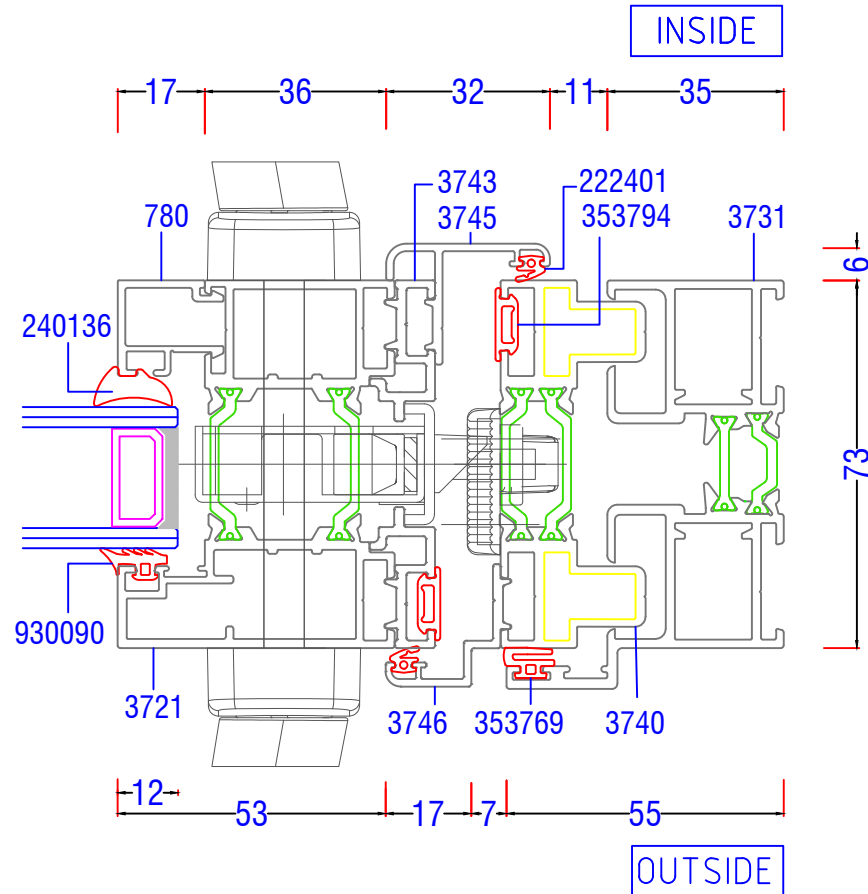
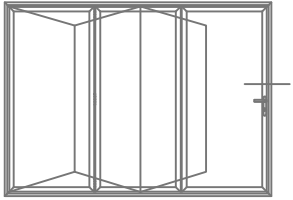
UNIFOLD - Typical Sections

Jamb - Traffic Door Open Out



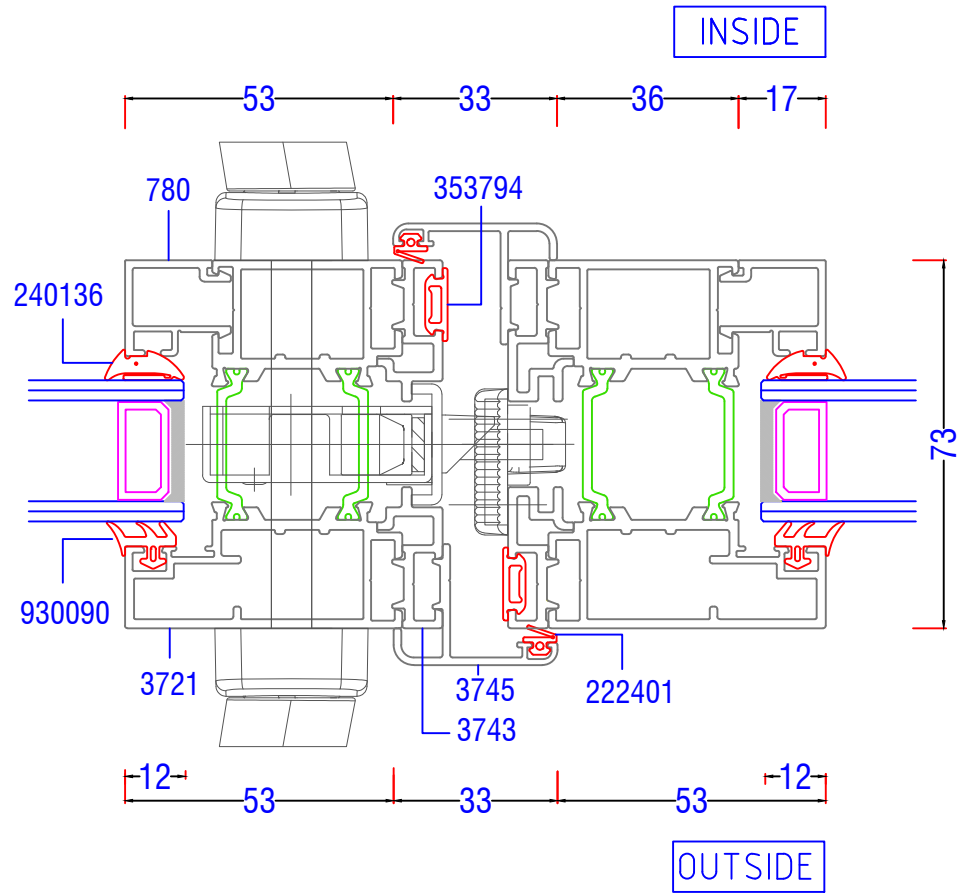
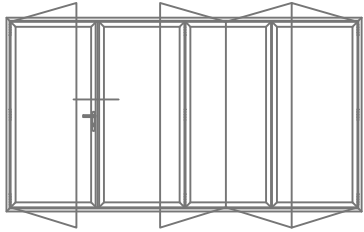
UNIFOLD - Typical Sections

Jamb - Traffic Door Open In



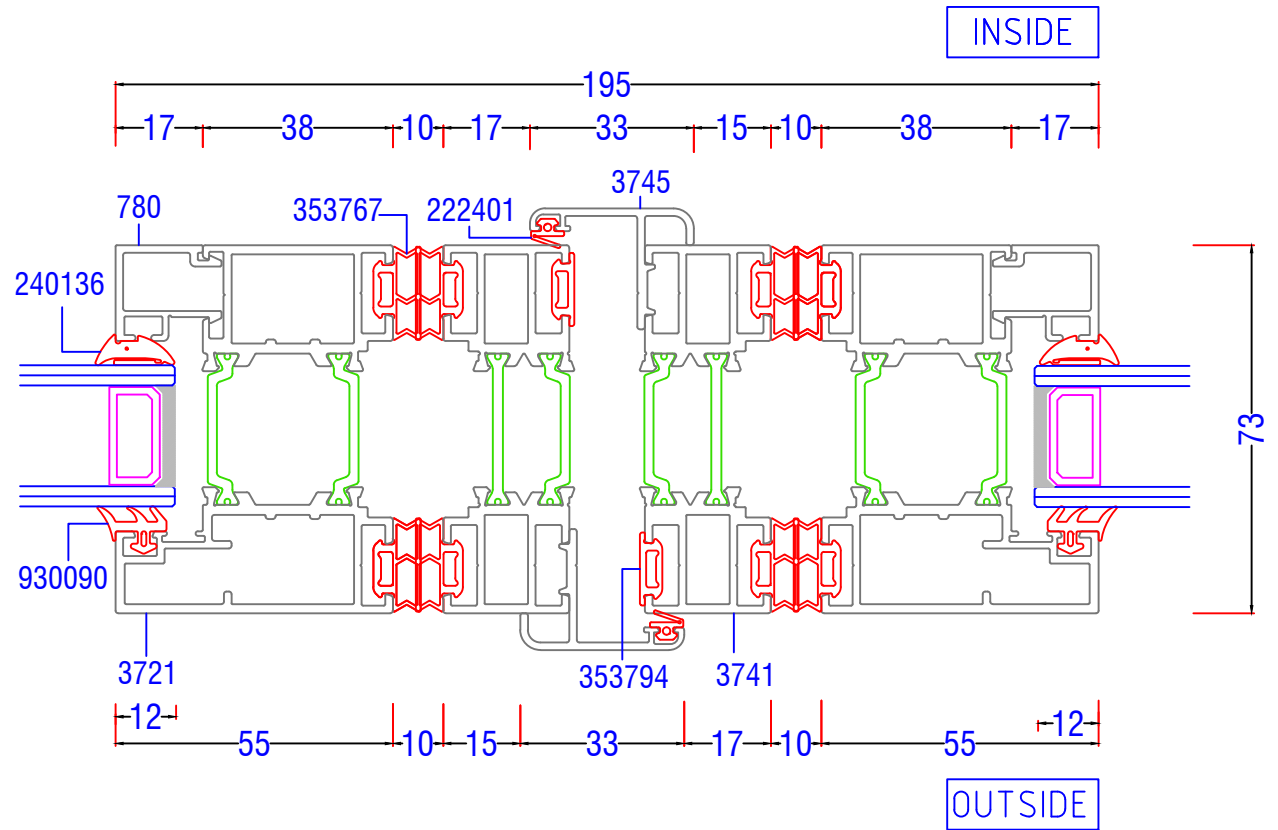
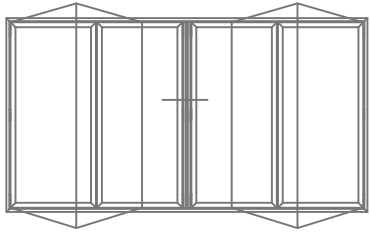
UNIFOLD - Typical Sections

Meeting - Traffic To Odd Open Out



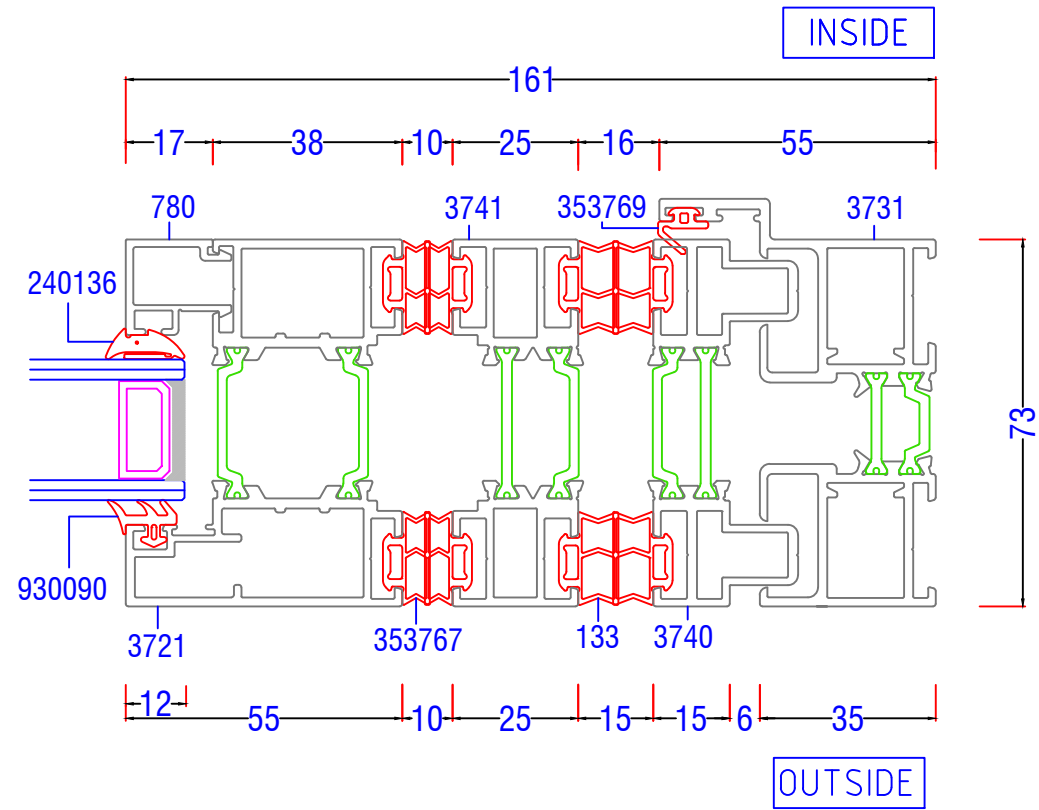
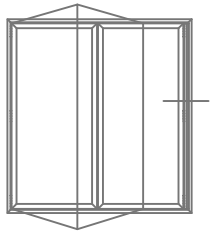
UNIFOLD - Typical Sections

Meeting - EvenTo Even Open Out - No Traffic Door



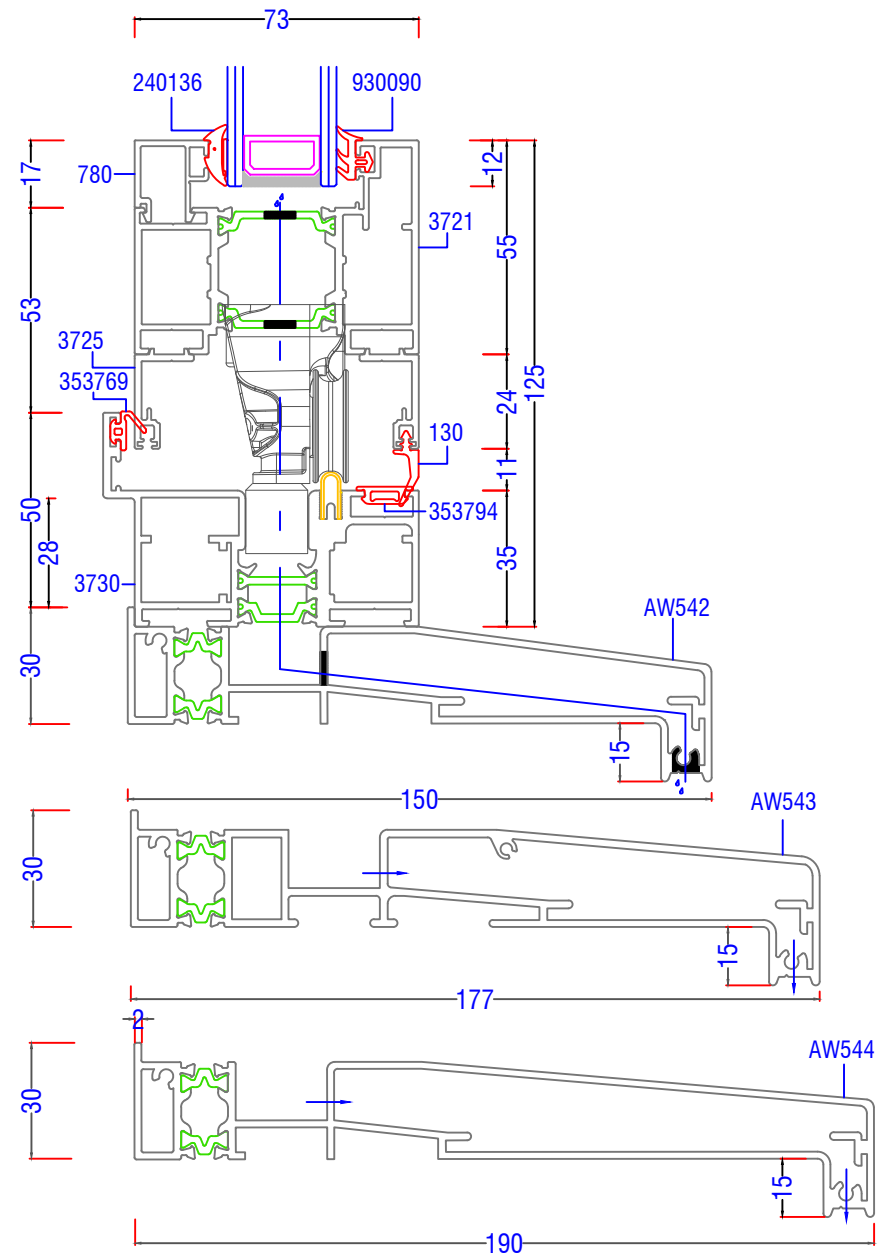
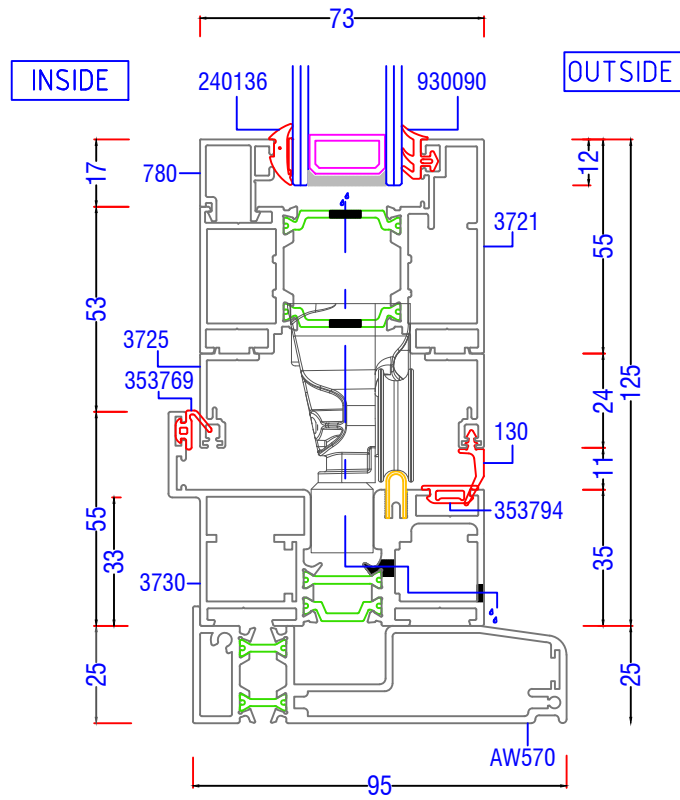
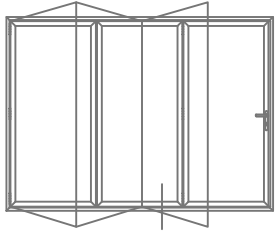
UNIFOLD - Typical Sections

Jamb - Even Configuration - No Traffic Door



UNIFOLD - Typical Sections

Threshold - Cill Options



UNIFOLD - Typical Sections

Threshold - Cill Nose option

