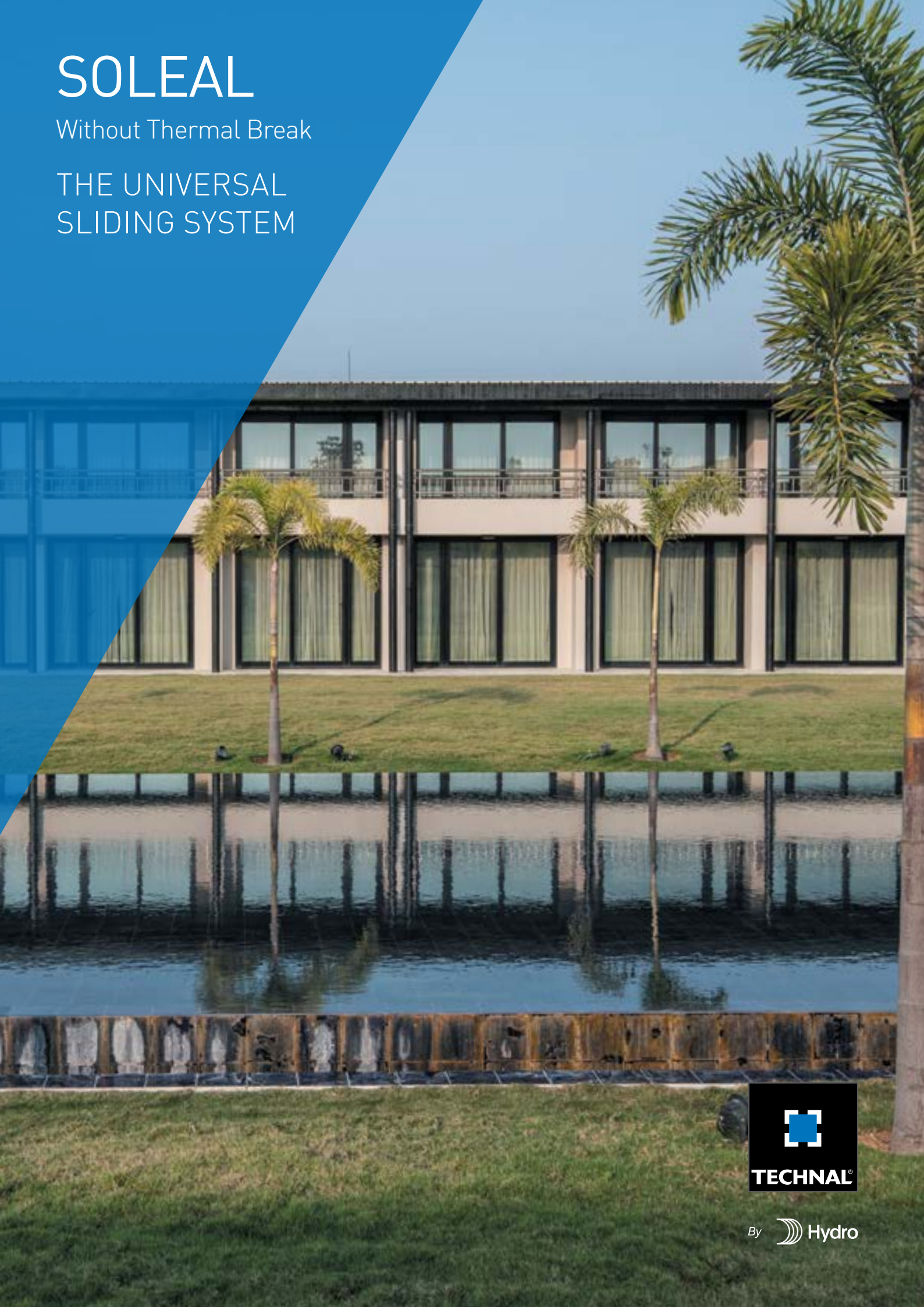


SOLEAL

Without Thermal Break

THE UNIVERSAL
SLIDING SYSTEM



TECHNAL®

By  Hydro



SOLEAL

WITHOUT THERMAL BREAK

/ THE UNIVERSAL SLIDING SYSTEM

PERFORMANCE & SIMPLICITY

The SOLEAL series without thermal break is designed to provide bespoke solutions for external joinery in tropical environments or for interior partitions. Suitable for both new constructions and renovations, it can handle projects ranging from simple to highly complex. The SOLEAL sliding system is versatile, fitting every requirement seamlessly.

SOLEAL sliding system ensures consistency in installation and facade aesthetics, aligning perfectly with SOLEAL casements and doors. The product line caters to various needs, offering 2 and 3 track options accommodating 2 to 6 leaves, along with composite frame designs and integrated fly-screen solutions.

Enhancements include concealed drainage systems and optional low threshold designed to facilitate accessibility for individuals with mobility challenges. For regions prone to severe weather, a paracyclonic variant of the SOLEAL sliding window is available, ensuring robust performance in tropical climates.

SOLEAL GYn

WITHOUT THERMAL BREAK

/ THE UNIVERSAL SLIDING SYSTEM



KEY FEATURES

DESIGN

- Streamlined aesthetics with slender frame profiles: 103mm at the edge, 33mm on the central mullions, and 136mm at the central meeting point of the 4-leaf configurationDiscreet operating mechanisms
- Unobtrusive hardware that melds seamlessly with the overall design.
- A minimalist-style reinforcement strip, customizable with a Decor profile under Technal's patented design.
- Integrated drainage system designed to be invisible, ensuring efficient water evacuation across all configurations.

LARGE DIMENSIONS

- Engineered to accommodate wider dimensions, optimizing natural light entry.
- Capable of spanning sizes up to 3 meters in length and 3 meters in height for the 2-leaf variant with high inertia mullions.
- Each leaf can support a maximum weight of 200 kilograms.

PERFORMANCES

- Enhanced durability with a paracyclonic version and robust drainage system, tailored for demanding tropical environments.

MULTIPLE APPLICATIONS

- Flexible configurations ranging from 2 to 6 leaves on 2 or 3 tracks, accommodating various space and design requirements.
- Composite frames offering robustness and style.
- Integrated fly-screen options to enhance comfort and protection.
- Versatile cladding choices to complement architectural aesthetics.

2 OPENING SECTION VERSIONS

- Single glazing compatibility ranging from 6 to 18 mm thickness, offering sleek and streamlined appearances.
- Double glazing options from 24 to 28 mm, providing enhanced insulation and energy efficiency.

ACCESSIBILITY

- Designs meticulously crafted for easy access, ensuring seamless operation across all application types.

LOCKING MECHANISM

- Versatile locking options, from simple to enhanced security features, with 1 to 4 point key-operated locking mechanisms available to suit different safety requirements.

SOLEAL

/ A SLEEK AND CONTEMPORARY DESIGN

STRAIGHT AND MODERN LINES

- Elegantly designed to feature straight, modern lines, incorporating concealed drainage across all configurations.
- Minimalist-style reinforcing strip that can be customized with a Décor profile, patented by Technal, available in a polished anodised finish.



Concealed drainage



Décor profile

LOCKING MECHANISM

- Offers a range of locking configurations, featuring 1 to 4 locking points, with options for key-operated locks or smooth, keyless mechanisms.
- Features exclusive TECHNAL-designed handles, blending aesthetics and functionality for a superior user experience.



Operating Handle on Service Opening Sash



Thumb Pull for Semi-Fixed Opening Sash



Designer Handle on Right Opening Service Sash



Operating Button in Conjunction with the Strip Reinforcer



Espagnolette Identical to the Casement and Door Handle



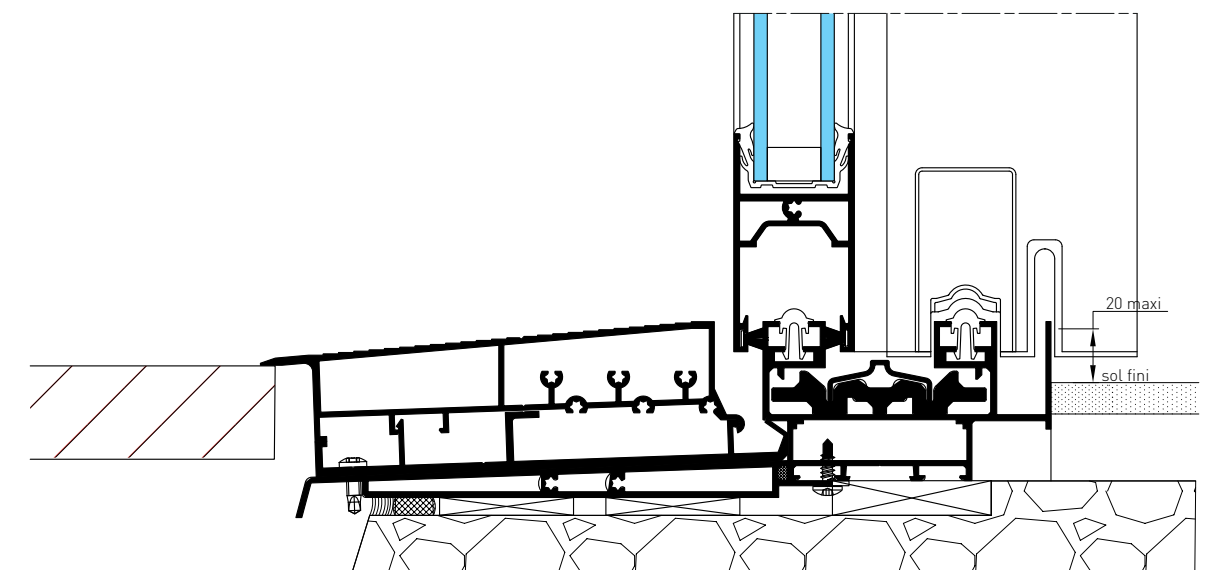
Stainless Steel Handle

SOLEAL

/ ACCESSIBILITY AND EASE OF USE

LOW THRESHOLD

All SOLEAL patio doors are compliant with the standards set by French Act No. 2005-102 of February 11, 2005, which mandates accessibility for individuals with reduced mobility in building design. To further accommodate accessibility needs, an optional feature includes an external access ramp and an extra aluminum profile installed between tracks, facilitating the creation of a door designed for disabled access. This adaptable solution is suitable for both new constructions and renovation projects, and is available across the entire range of SOLEAL sliding systems applications.



Low threshold on 2 track - 2 leaf frames

SOLEAL

/ EXCLUSIVE® HANDLES COLLECTION

The discreet but effective design approach for our new EXCLUSIVE® range - SELECTION, TEMPTATION & PASSION - aims to allow users to customise their handles, creating a sophisticated but timeless and functional visual signature on SOLEAL Next windows. Our handles offer a wide choice of colours, noble materials and clean lines.

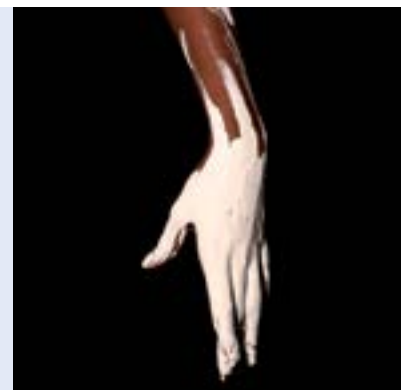


ROUND AND
SQUARED HANDLES
WITH STANDARD ROSETTES

HANDLES
WITH
LOCKS

/ SELECTION

True to TECHNAL's practical approach to design, this range of handles draws attention with its understated and elegant lines. A strong visual identity with simple and graphic geometric shapes, round or square, with an ergonomic design to the touch that modernises the current offer. Proven quality, with anodised or coated finishes for each handle, not to mention the new black anodised finish that adds an extra level of sophistication.



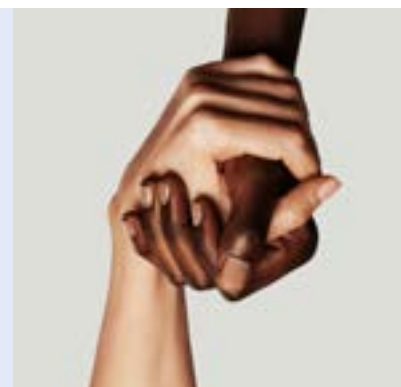
/ TEMPTATION

This range builds on TECHNAL's expertise, taking its extruded aluminium design to new levels of high quality and clean lines. All the elements come in a mix of finishes, textures and colours and can be combined to get unique and personalised colour options. All this designed to achieve a unique visual sensation and a magnificent experience to the touch.



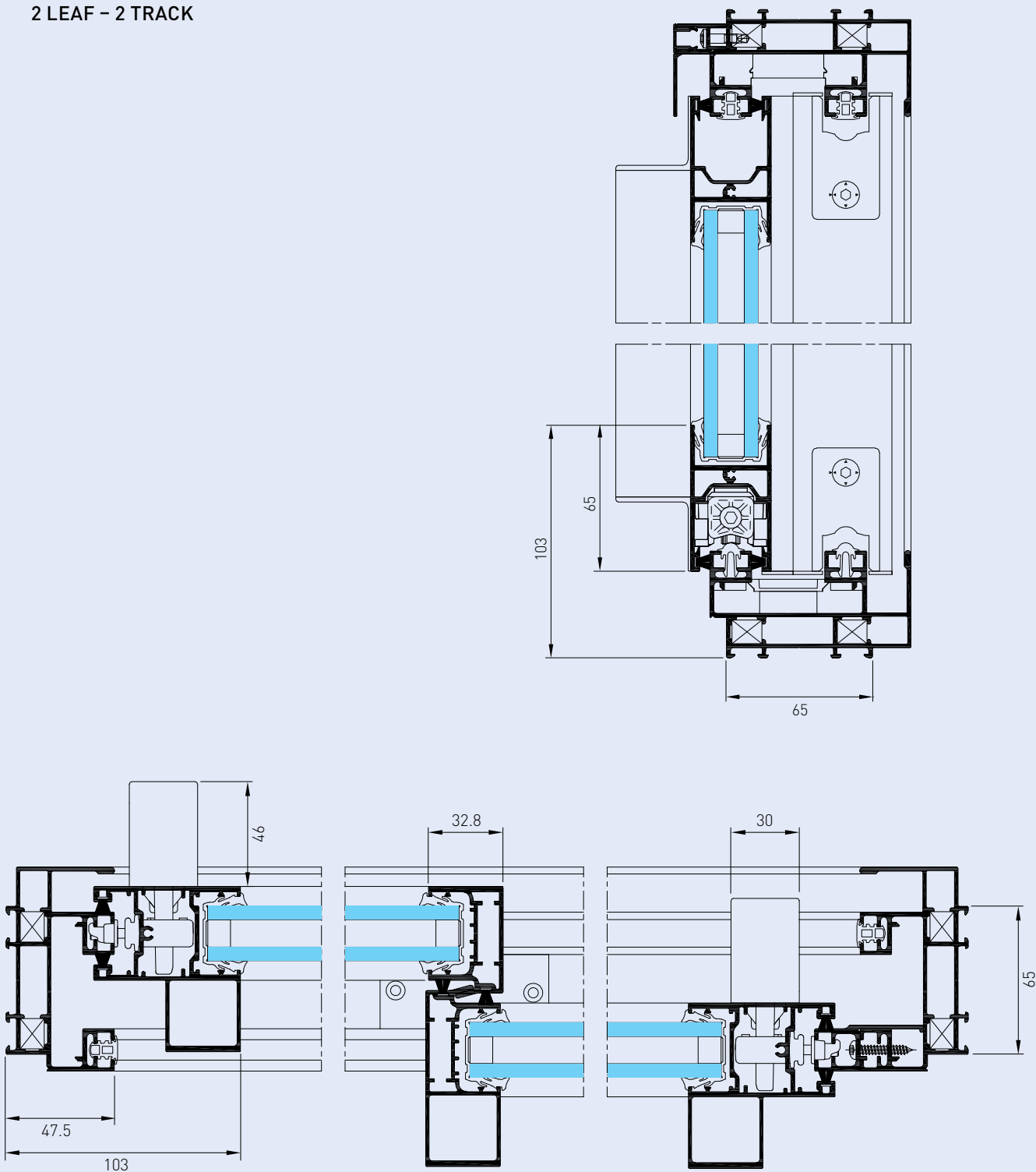
/ PASSION

Taking design to new heights, the passion range is a new expression in luxury fittings, with exclusive mixes of finishes and materials aimed at pleasing even the most demanding users. Making use of simple geometric shapes, this collection works as the perfect complement to a wide range of architectural aesthetics.

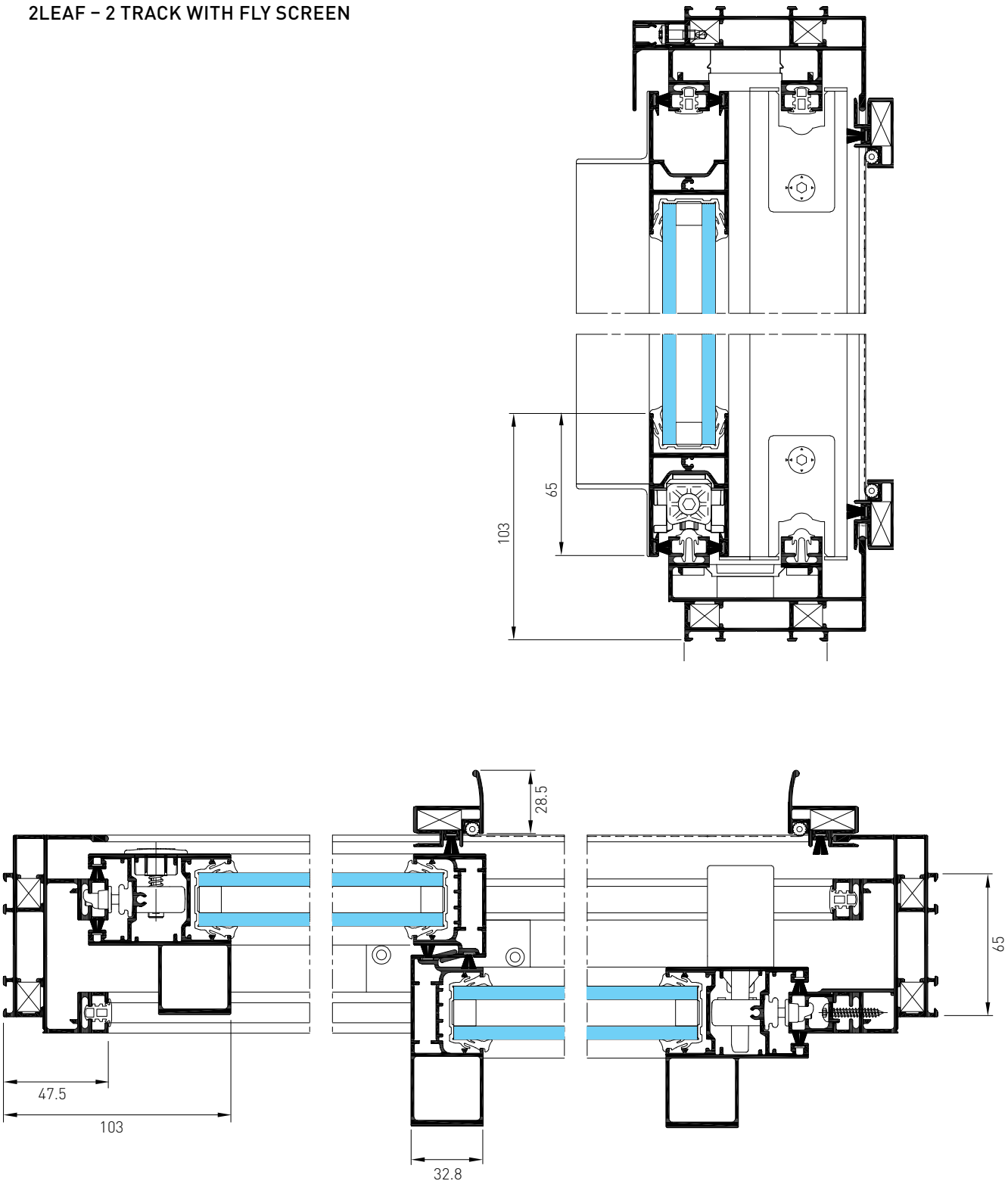


SECTIONS

2 LEAF - 2 TRACK

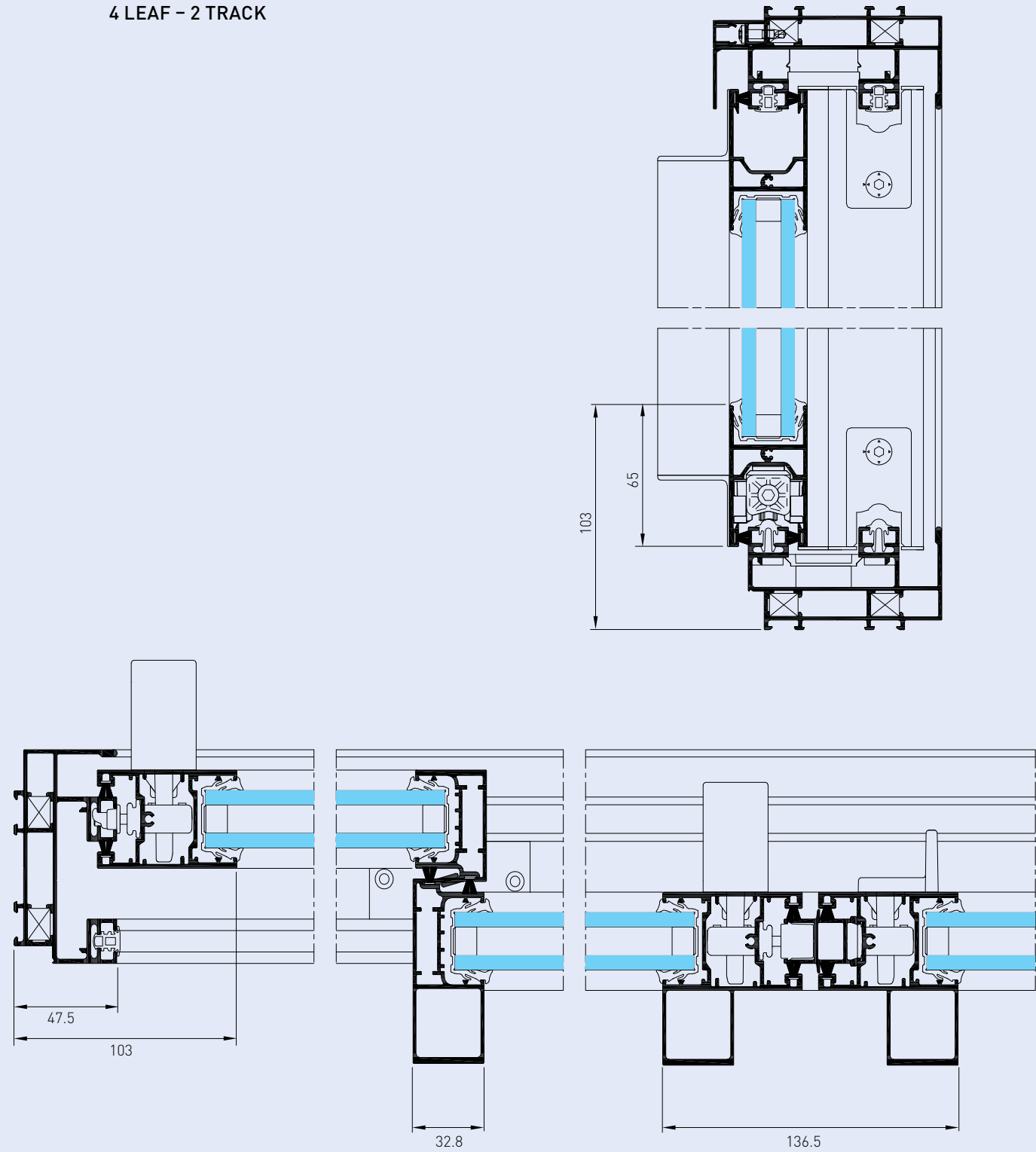


2LEAF - 2 TRACK WITH FLY SCREEN

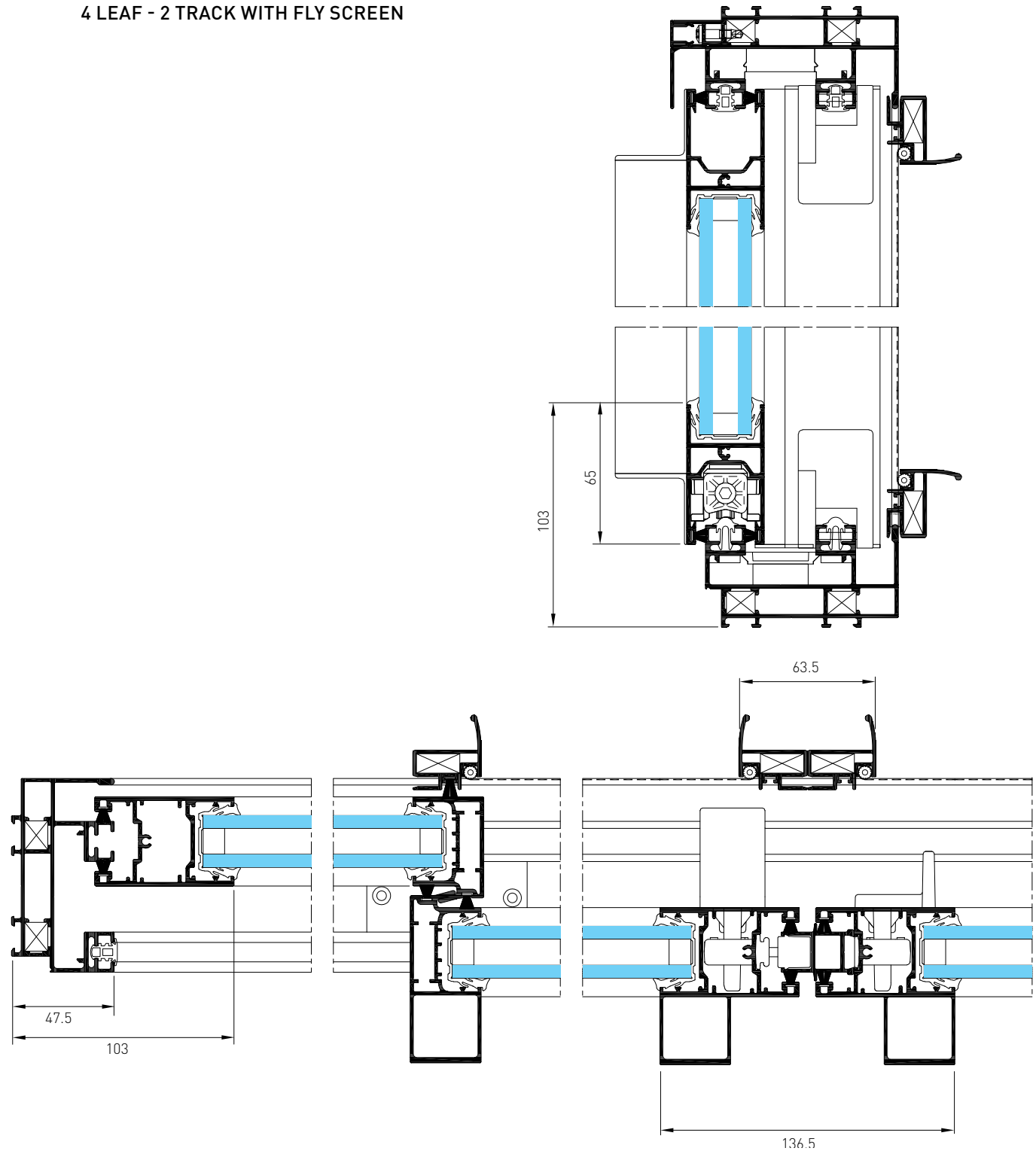


SECTIONS

4 LEAF - 2 TRACK

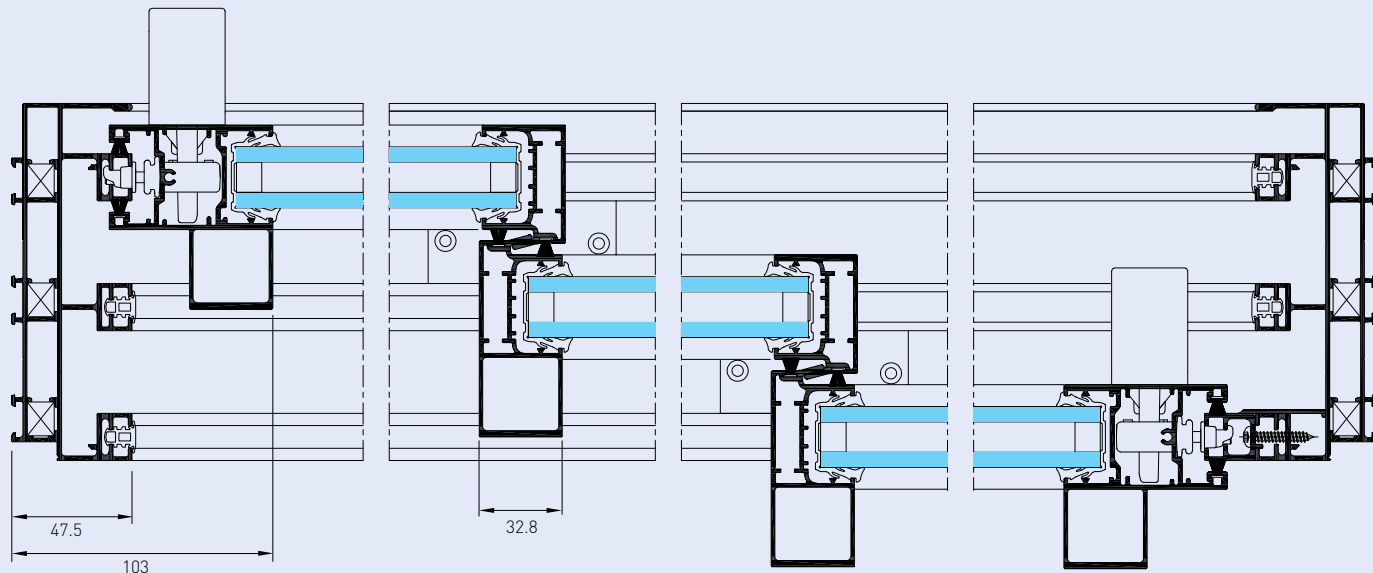
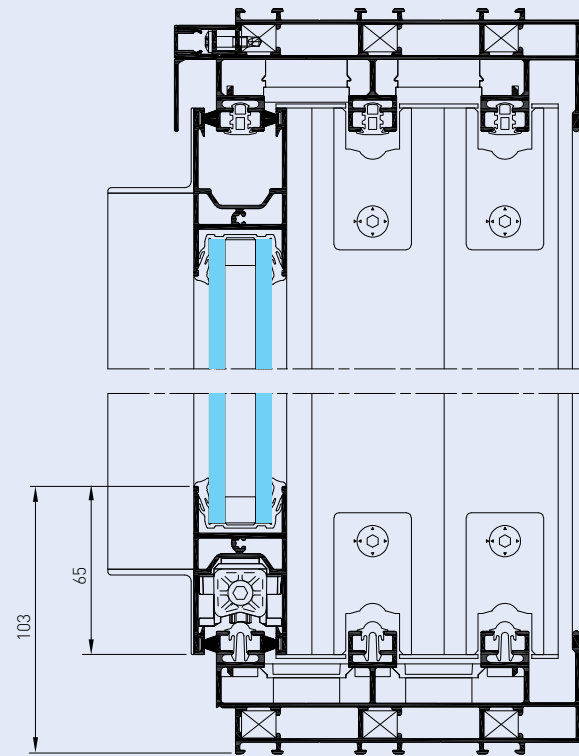


4 LEAF - 2 TRACK WITH FLY SCREEN

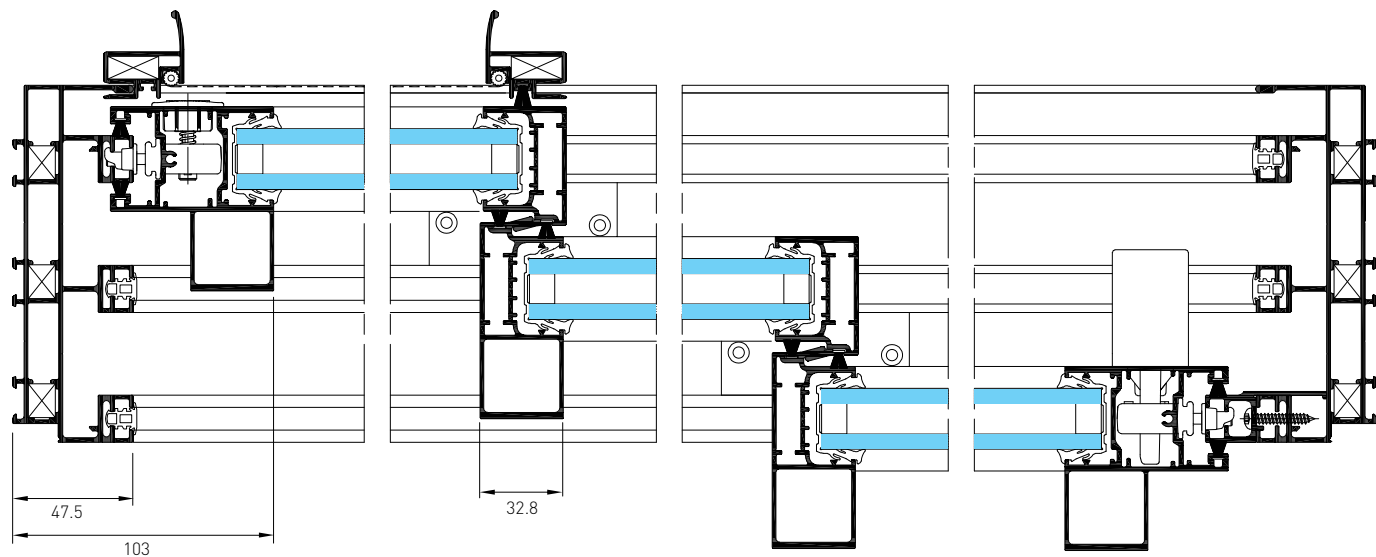
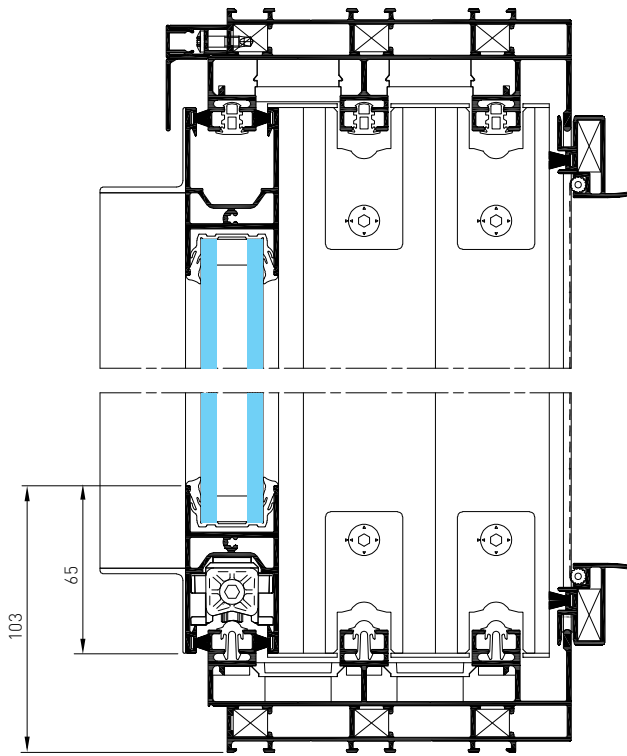


SECTIONS

3 LEAF - 3 TRACK



3 LEF - 3 TRACK WITH FLY SCREEN

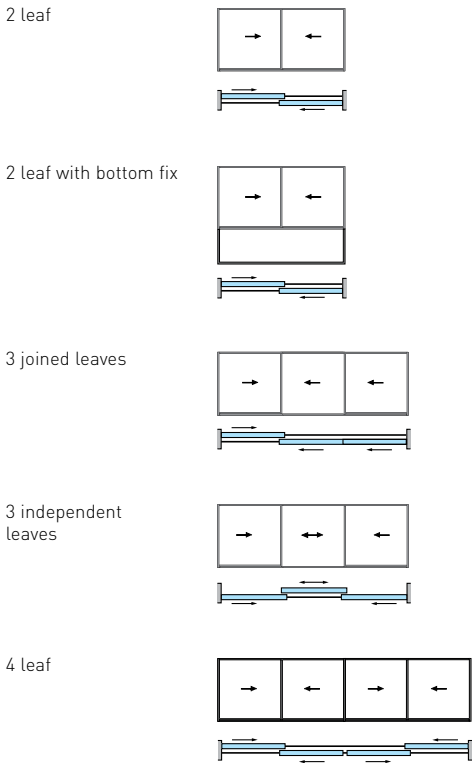


APPLICATIONS

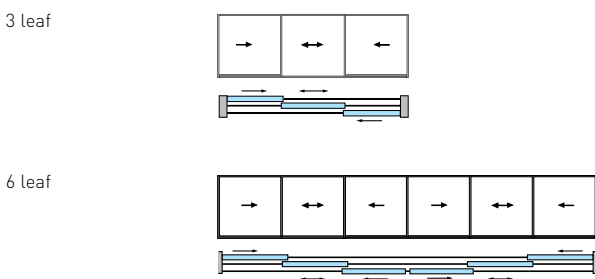
All applications feature concealed drainage and offer low-threshold options for patio doors, enhancing accessibility and design continuity.

EXTERIOR VIEW REPRESENTATION

2 TRACKS



3 TRACKS



PERFORMANCES

ACCORDING TO EUROPEAN STANDARDS - FCBA

WEATHER PERFORMANCE				
Application (Height x Width)	Test N° according to European Standard	Air permeability	Water tightness	Wind resistance
2 leaf patio door on 2 tracks H 2500 x L 3000 mm	FCBA N° 404/19/157-2	Class 4	Class E6A	Classe C2
Reinforced drainage 2 leaf patio door on 2 tracks H 2500 x L 3000 mm	FCBA N°404/19/157-3	Class 4	Class E7A	Classe C2

Tests conducted according to the European Standards :
- Air permeability test as per standard EN-1026, classification as per standard EN-12207.
- Watertightness test as per standard EN-1027, classification as per standard EN-12208.
- Wind resistance test as per standard EN-12210, classification as per standard EN-12211 .





Architect : Estudi Carme Pinós
Photographer : Wenzel

MATERIALS AND COMPONENTS

As with all TECHNAL systems, only high quality materials and components are used to reduce maintenance and guarantee long term performance.

- Aluminium profiles are extruded using building industry standards 6060 alloys meeting EN 12020, EN 573-3, EN 515 and EN 775-1 to 9.
- Accessories are cast using Zamak 5 meeting EN 12844
- All seals are EPDM or TPE (ThermoPlastic Elastomer)
- Polyamide insulators are extruded using PA6-6 (0,25 FV).
- Screws are made of stainless steel.

FINISHES AND COLOURS

Une large gamme de finitions est disponible afin de satisfaire les exigences des projets individuels, de s'ajouter sur des bâtiments existants et d'offrir une liberté de design supplémentaire aux architectes et aux concepteurs :

- Natural anodised in compliance with EN 1237311: 2001
- Polyester coated finishes in an extensive range of colours, in compliance with QUALICOAT instructions.
- SOLEAL is also available in painted finishes in exclusive TECHNAL colors for a stylish and contemporary appearance.



IMAGINE WHAT'S NEXT

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