

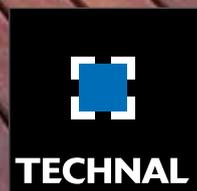
GALÈNE

PANORAMIC SLIDING
WINDOW



Architects: Isasi & Pieltáin Arquitectos
Photographer: Ambassador

IMAGINE WHAT'S NEXT





GALÈNE

/ AN XXL SLIDER

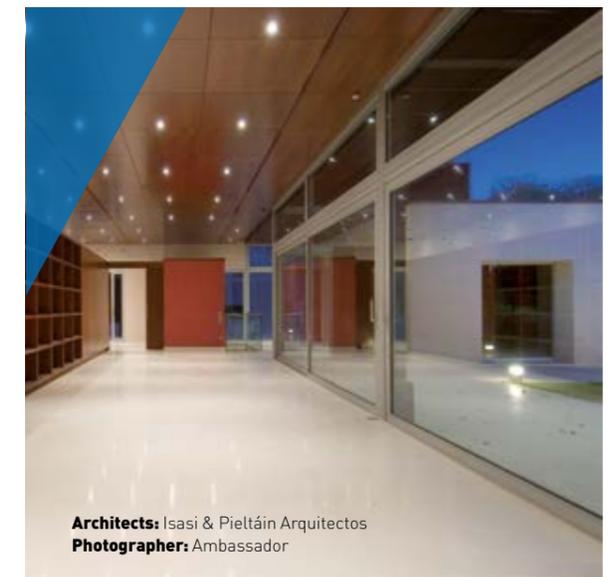
GENEROUSLY-SIZED OPENINGS TO MEET YOUR PROJECT'S REQUIREMENTS

GALÈNE is a 126 mm module thermal break patio door featuring a lift and slide system and whose design has been optimised for use in large openings up to 10 m wide.

EASY OF MOVEMENT

The lift and slide mechanism allows the guiding wheels to retract when the leaf is closed. This roller track system ensures smooth movement and easy operation despite the exceptional size of the leaves. The design of the pull handle allows for excellent grip.

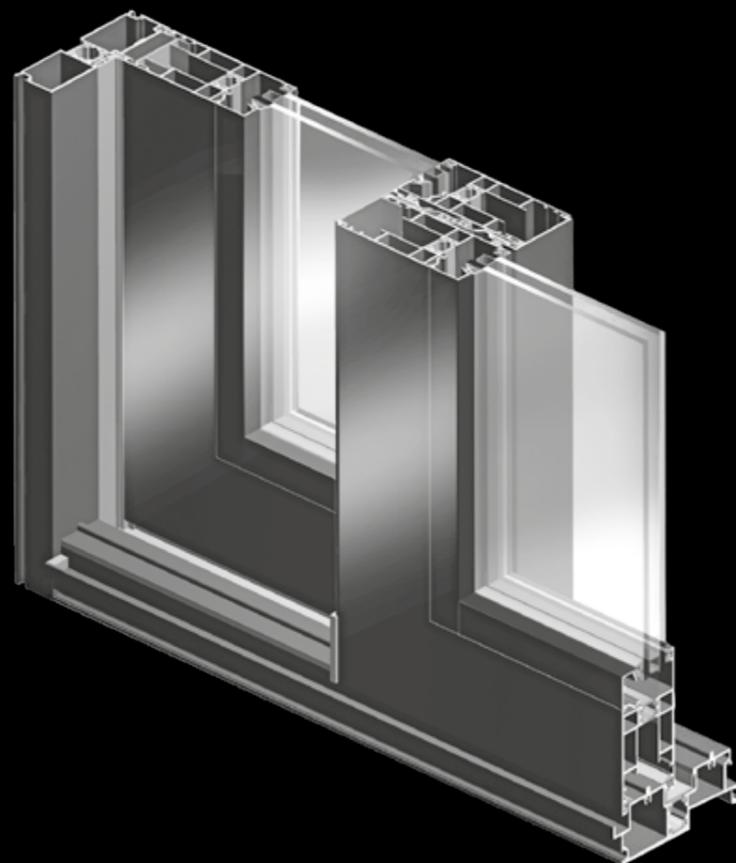
A version without a thermal break is also available using the same configurations for geographical areas that do not have the same thermal constraints.



Architects: Isasi & Pieltáin Arquitectos
Photographer: Ambassador

GALÈNE

/ PANORAMIC SLIDING WINDOW



KEY FEATURES AND INNOVATIONS

LARGE DIMENSIONS

- Designed for the creation of openings with large dimensions for more natural light.
- Dimensions up to 5.00 m x 2.5 m in frames with two leaves with a maximum weight of 300 kg per leaf.

ACOUSTIC PERFORMANCE

- In urban environments, road noise corresponds to an average level of 60 decibels.
- Thanks to these glazed infills, Galène is able to dramatically reduce urban noise.

ACCESSIBILITY AND EASE OF USE

- A lifting system ensures that the large leaves are easy to move and slide smoothly.
- A handle offering a good grip and ease of movement.

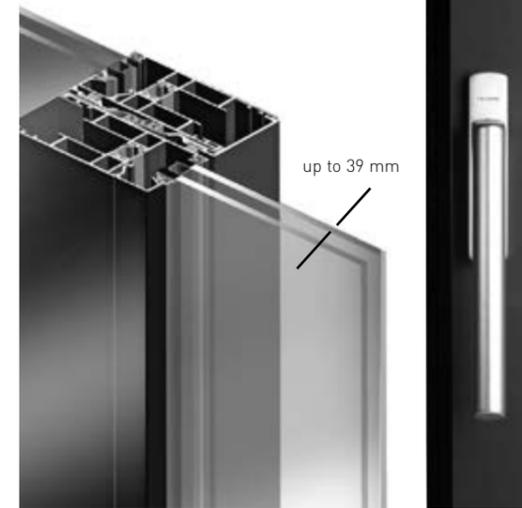
LOCKING MECHANISMS

- 2-,3- or 4-point locking systems activated by a special handle (single or double).
- Half-open position provides ventilation whilst ensuring that the frame is still secure.

GALÈNE

/ A DESIGN WITH LARGE DIMENSIONS

- Symmetrical glazed infills thanks to a mitre-cut peripheral opening frame.
- Technical glazing combining high levels of thermal, acoustic and security performance.
- Possibility of glazing with an integrated blind for solar protection.



LOCKING MECHANISMS, EASE OF MOVEMENT AND SECURITY

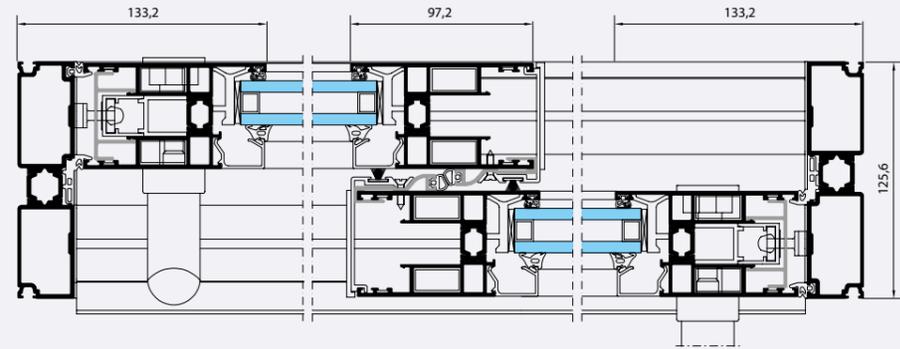
The lift and slide system facilitates the safe movement of the leaves which may each weigh up to 300 kg and measure up to 2.50 metres high by 2.50 metres wide.

Security can be reinforced by the implementation of a multipoint locking system activated by a specially-designed handle. In all cases, this remains very easy to use, thanks, in particular, to the well-designed profile combined with the high leverage. The operation of the GALENE slider has received level 4 classification in accordance with the standard EN 1191.2001, following 20,000 opening and closing test cycles.

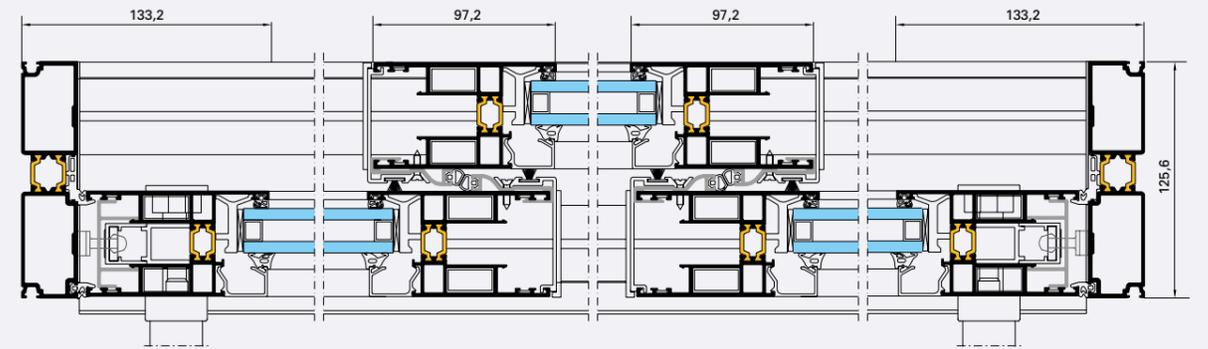


SECTIONS

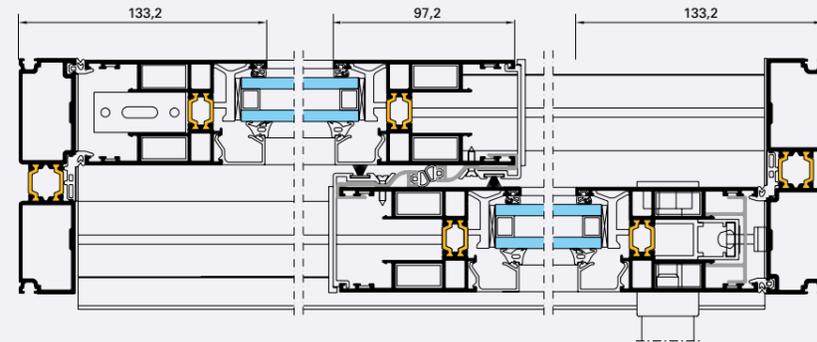
2 LEAVES - 2 TRACKS



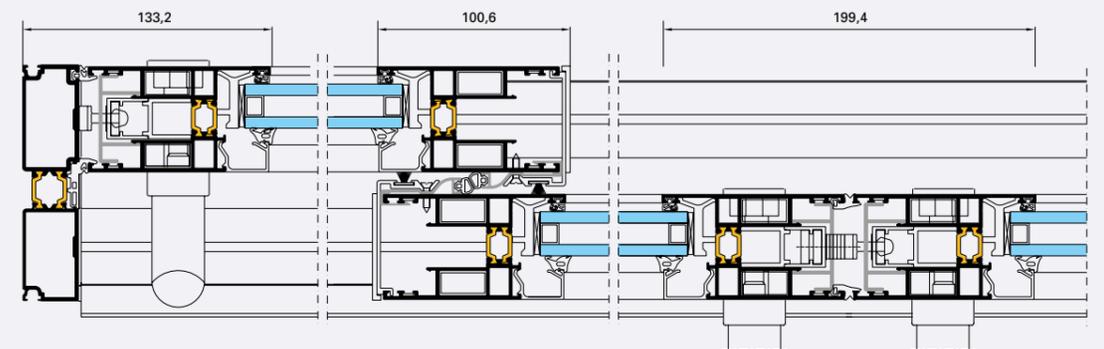
3 LEAVES - 2 TRACKS



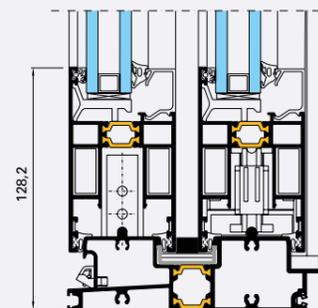
1 LEAF + 1 LIGHT - 2 TRACKS



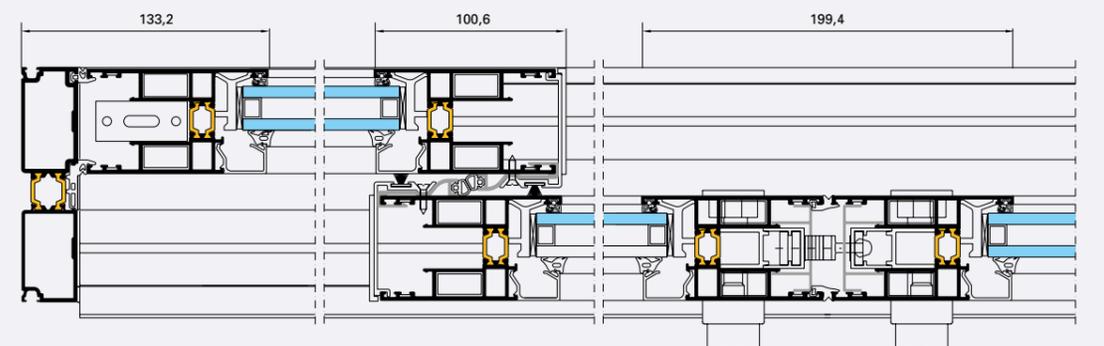
4 LEAVES - 2 TRACKS



2 TRACKS



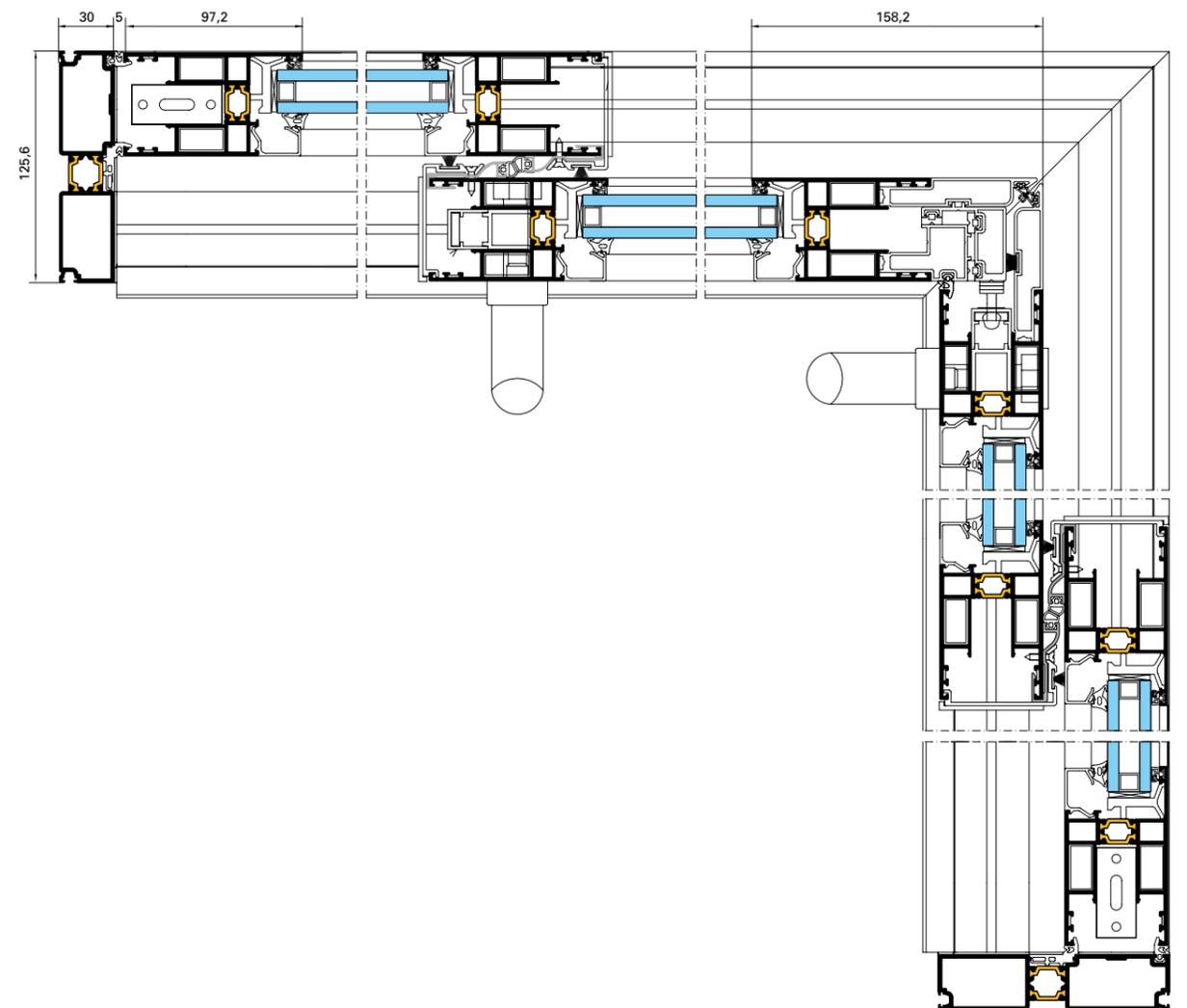
4 LEAVES + 2 SIDE LIGHTS - 2 TRACKS





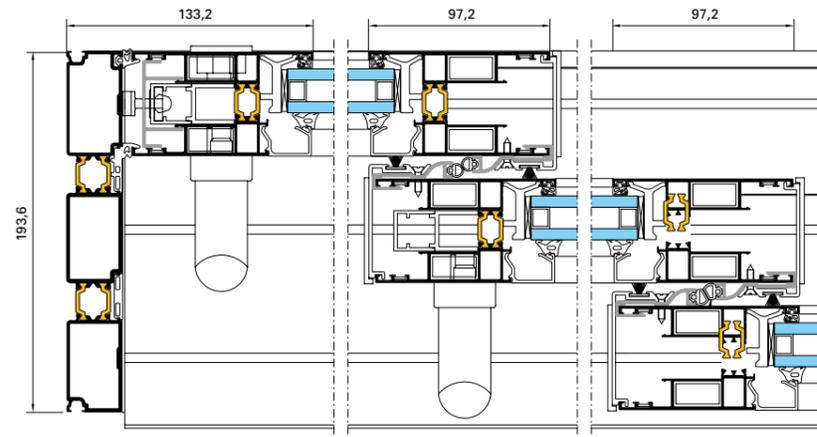
SECTIONS

2 LEAVES (90°)

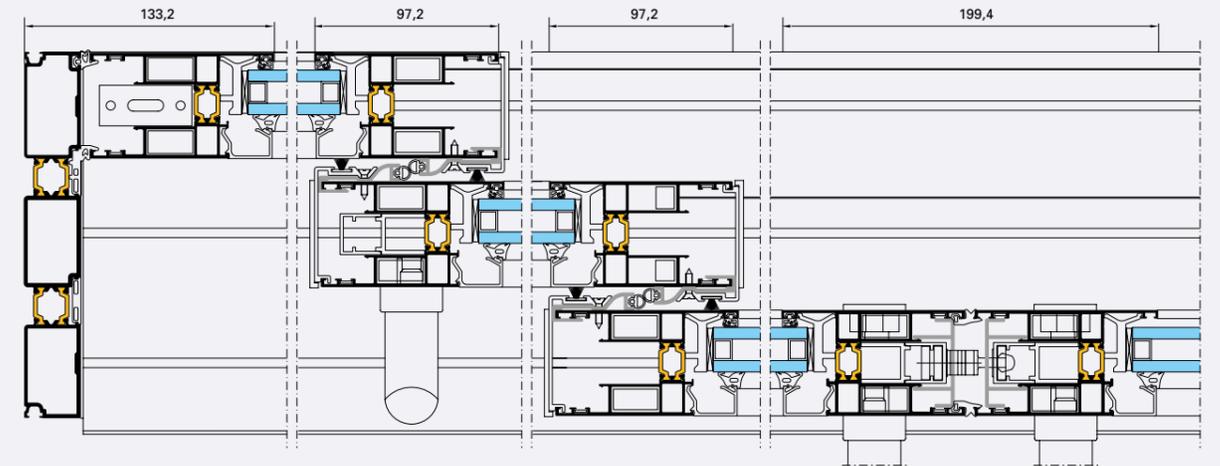


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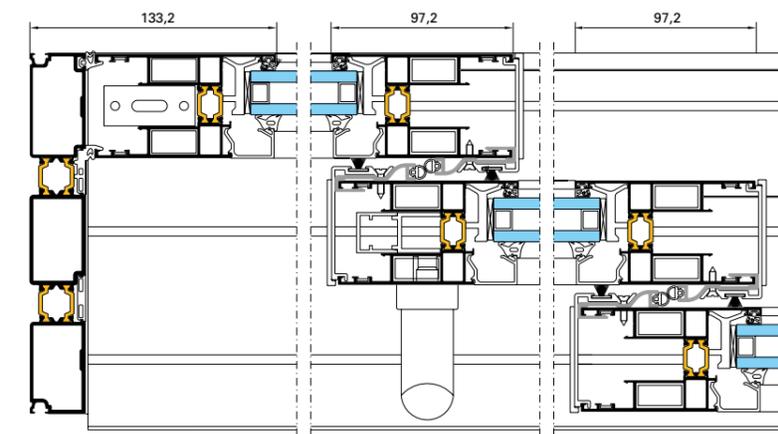
3 LEAVES - 3 TRACKS



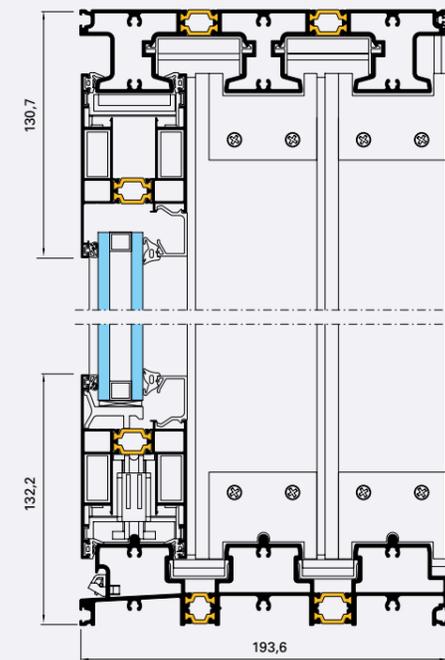
6 LEAVES - 2 SIDE LIGHTS - 3 TRACKS



3 LEAVES - 1 SIDE LIGHT - 3 TRACKS



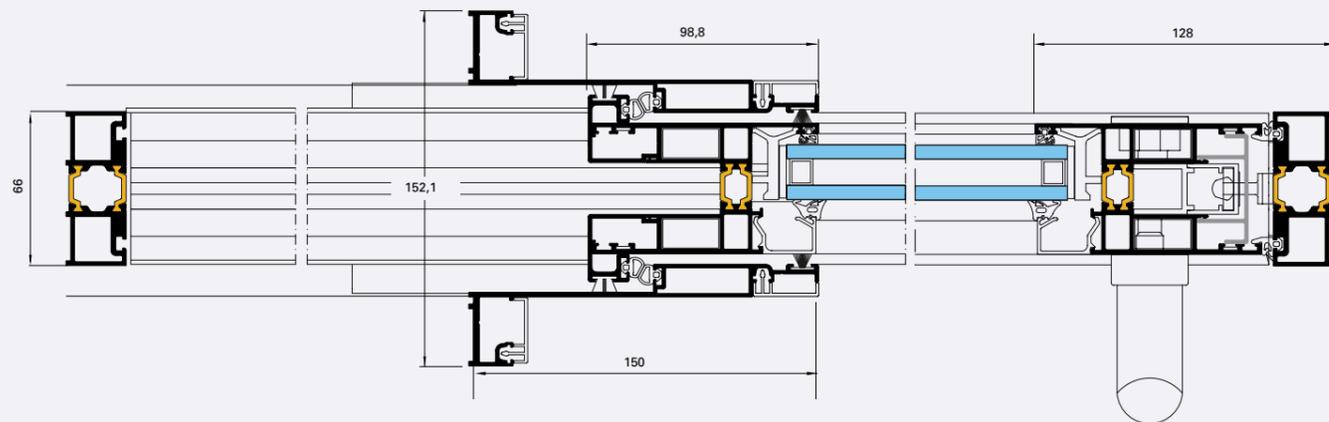
3 LEAVES - 3 TRACKS



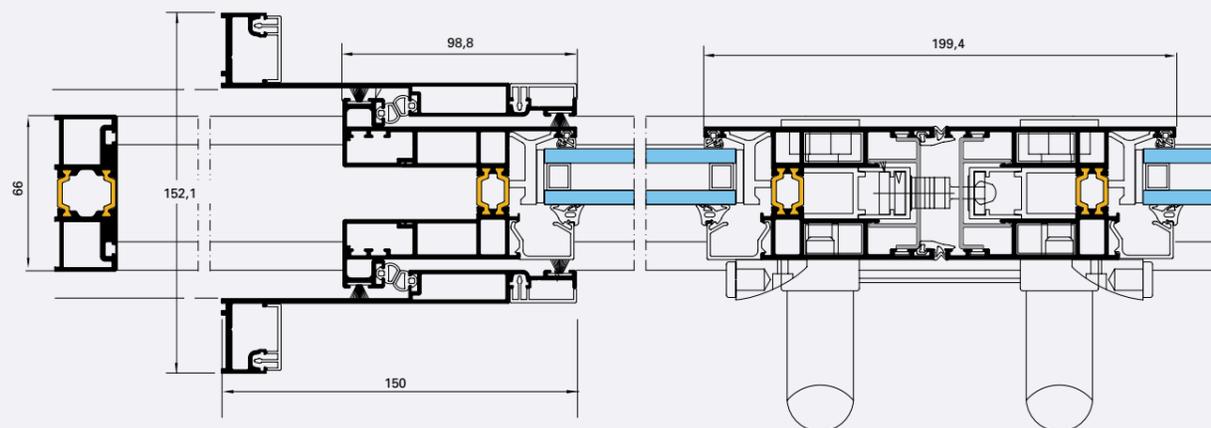
SECTIONS

POCKET WINDOWS

1 LEAF - 1 TRACK

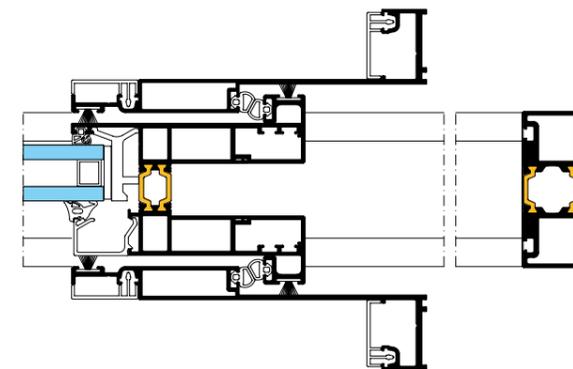
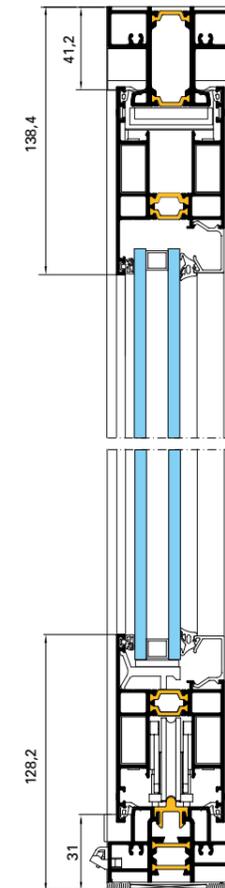


2-LEAF - 1 TRACK



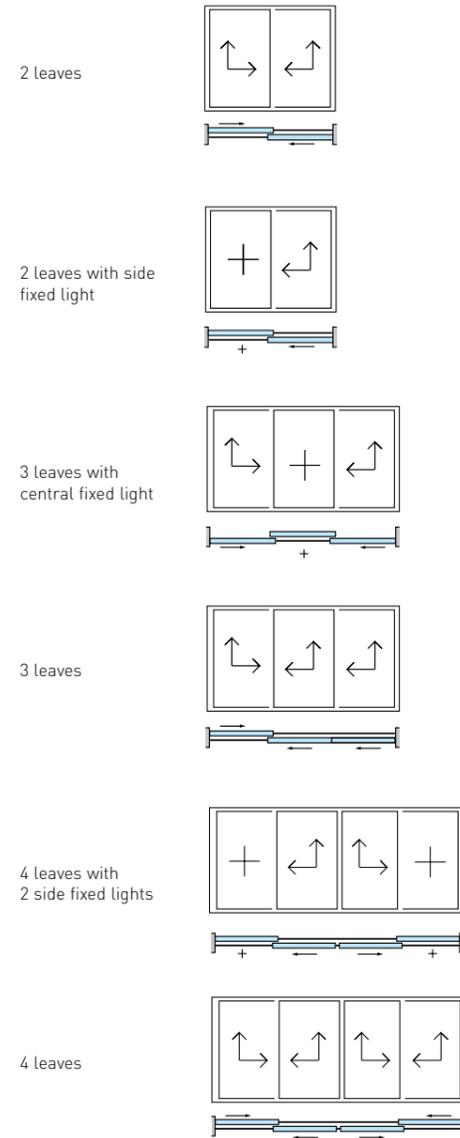
POCKET WINDOWS

1 TRACK

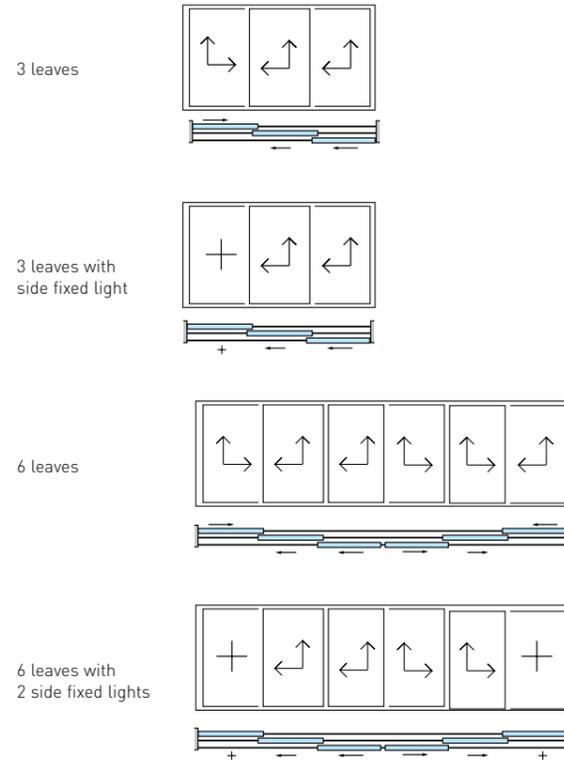


APPLICATIONS

2 TRACKS

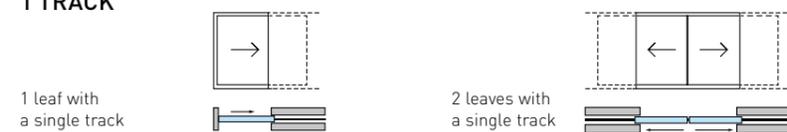


3 TRACKS



POCKET WINDOW FRAME

1 TRACK



PERFORMANCE

Thermal performance

Type	Dimensions W x H in m	Uw with Ug 1.0 + Insulating spacer	Uw with Ug 1.1 + Insulating spacer
Patio door with 2 leaves on 2 tracks	5 x 2.5	1.6	1.7
Patio door with 4 leaves on 2 tracks	6.5 x 2.5	1.7	1.7
Patio door with 3 leaves on 3 tracks	6.5 x 2.5	1.6	1.7

Performance - Solar factor

Type	Dimensions W x H in m	Absorption depending on colours SW Winter	
Sg solar factor of the glazing only 0.7		Light colours 0.4	Dark colours 1.0
Patio door with 2 leaves on 2 tracks	5 x 2.5	0.59	0.61
Patio door with 4 leaves on 2 tracks	6.5 x 2.5	0.58	0.59
Patio door with 3 leaves on 3 tracks	6.5 x 2.5	0.59	0.61

Technical performance - Light transmission

Type	Dimensions W x H in m	TLw light transmission of the window
TLg light transmission of the glazing only 0.8		
Patio door with 2 leaves on 2 tracks	5 x 2.5	0.66
Patio door with 4 leaves on 2 tracks	6.5 x 2.5	0.64
Patio door with 3 leaves on 3 tracks	6.5 x 2.5	0.66

WEATHER PERFORMANCE: A.E.V. (A: Air, E: Water, V: Wind)

Type	Dimensions W x H in m	Air permeability	Water tightness	Wind resistance
Patio door with 2 leaves on 2 tracks	3 x 2.2	Class 4	Class 7A	Class C3
Patio door with 4 leaves on 2 tracks	3 x 2.2	Class 3	Class 5A	Class C4
Patio door with 3 leaves on 3 tracks	3.76 x 2.5	Class 3	Class 5A	Class C2



Architects: Ángel Sánchez-Cantalejo and Vicente Tomás
Photographer: Alejo Bagué

MATERIALS AND PARTS

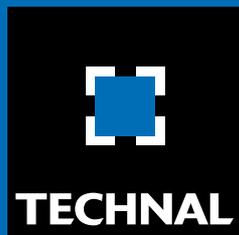
As with all Technal systems, only the highest quality materials and components are used to minimise maintenance and ensure long-term performance.

- Aluminium profiles are extruded from alloys 6060 Building compliant with EN 12020, EN 573-3, EN 515 and EN 775-1 to 9.
- Fittings are cast from EN 12844 compliant Zamak 5.
- All gaskets are EPDM or TPE (Thermoplastic elastomer).
- Polyamide thermal breaks are extruded from pA6-6 (0.25 FV).
- Screws are made from stainless steel.

FINISHES AND COLOURS

A wide range of finishes and colours is available to meet individual project requirements, enhancing existing buildings and offering architects and designers greater design freedom:

- Natural anodised in accordance with EN 123731: 2001.
- Polyester powder coating finishes in a wide range of colours in accordance with "QUALICOAT".
- GALENE is also available in lacquered finishes with exclusive Technal colours for a stylish and contemporary look.



IMAGINE WHAT'S NEXT

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By  Hydro