

M630 PHOS



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SMARTIA M630 PHOS

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SMARTIA M630 PH0S

is the ideal choice for minimal thermally insulated sliding windows and doors with wide glazing surfaces. The system can be installed either on-floor or flush to the floor offering a unique combination of elegance and functionality, satisfying even the most demanding requirements.

PHOS means LIGHT

" I sense Light as the giver of all presences, and material as spent Light. What is made by Light casts a shadow, and the shadow belongs to Light. "

Not just a window

vindow a point of view.



DESIGN PHILOSOPHY

The sliding system SMARTIA M630 PHOS offers a minimal touch...

in contemporary residences combining minimal design with high thermal performance.



∂ CHARACTERISTICS

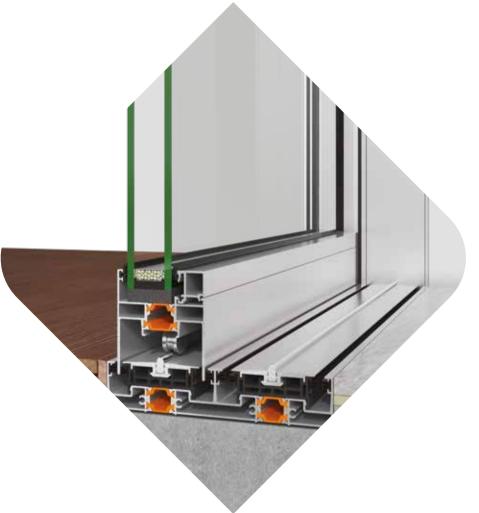
Following the

"less is more" philosophy, all aluminium profiles can be hidden into the walls providing a total sense of comfort with top functionality and enhanced safety.

- Design ideal for "green" buildings, emphasizing on energy & money savings through thermally efficient solutions.
- Maximum natural light with only 44 mm of visible aluminium face width at the interlocking profile.
- Smart locking mechanism (international patent) with multiple locking points.
- Easy access thanks to the low threshold ideal for children, elders and people with special needs.
- Smooth sliding & maximum functionality with high resistance to corrosion with stainless steel rollers.
- Vast range of typologies available.



TECHNICAL



VISIBLE ALUMINIUM FACE WIDTH
FRAME HEIGHT
FRAME WIDTH
SASH WIDTH
INTERLOCKING PROFILE WIDTH
SASH WEIGH
GLAZING
INSULATION

CHARACTERISTICS

CONCEALED PROFILES
 32 mm
155 mm
63 mm
44 mm
UP TO 250 kg
32 mm
POLYAMIDES, PVC



The system's main characteristic is the aluminium frames that are totally flush to the wall.

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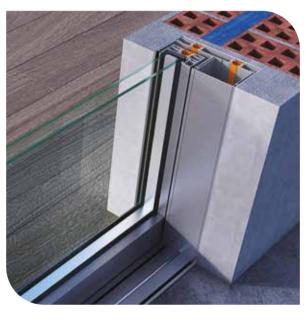
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Thus, it offers to the users **the sense of freedom** and direct interaction with the external environment. Elegant coziness full of natural light thanks to the **system's minimal design and the wide glazing surfaces that can be integrated.** The visibility is enhanced with the slim interlocking profile of only

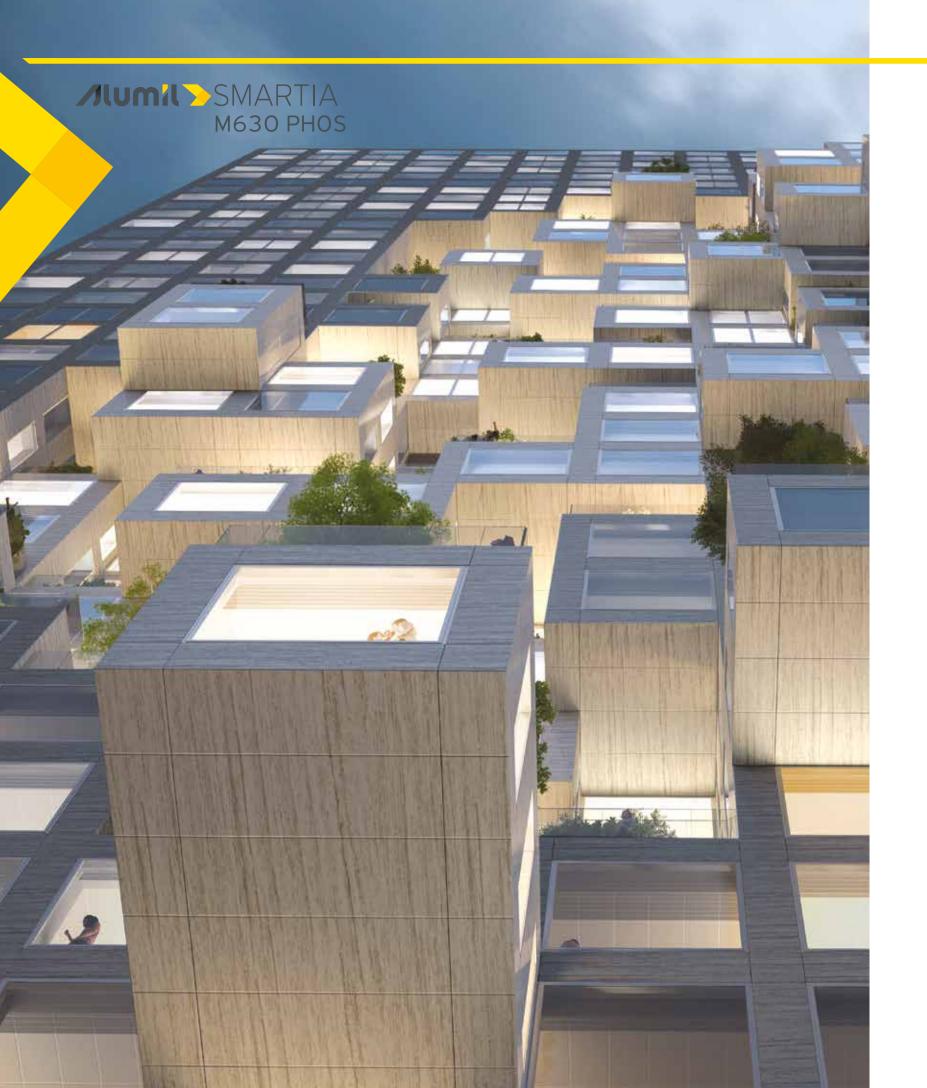
44 mm visible aluminium face width.



OF FREEDOM







ATTENTION

Flat threshold with a **height of only 32mm**, which was specially designed for easy and safe access to children, the elderly and people with special needs.





SMARTIA M630 PHOS uses **fiberglass reinforced polyamides** with 24mm & 20mm width, along with the contribute to the system's high energy efficiency.

TO DETAIL

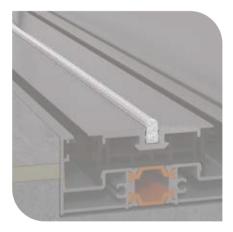
Stainless steel rollers ideal for seaside projects offering high functionality & smooth gliding of the sashes.

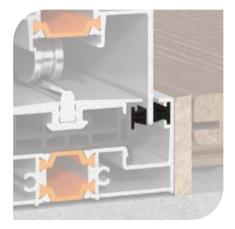




The unique PVC profiles contribute to the system's the thermal insulation and watertightness.

The door sash glides easily and quietly on the solid rail made by stainless steel AISI 316L.





SMARTIA M630 PHOS uses high quality brushes with triple membrane contributing significantly to the system's air permeability and watertightness.



ATTENTION

Smart locking system (international patented) with ALUMIL design handle...

offer high security with multiple locking points. In addition, they are very easy to install after transportation on site and can be easily removed for maintenance.



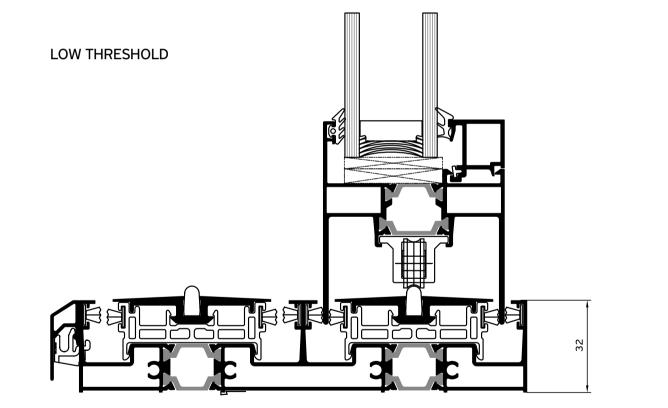
TO DETAIL

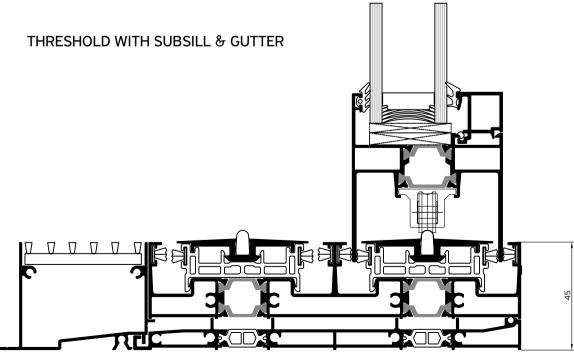
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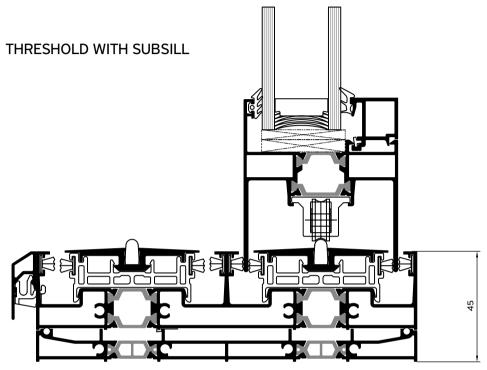
EXPLOITING

The innovative design of the concealed water drainage system offers excellent performance even under adverse weather conditions. Specially perforated profiles and accessories, assembled together, facilitate the water outflow. Even when the low threshold is selected for top-mounted installation, there is a special component for the concealed water drainage that offers high watertightness.





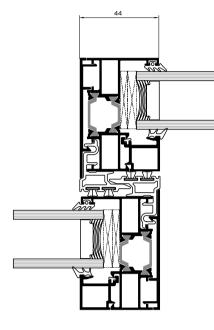
EVERY CONTEMPORARY NEED



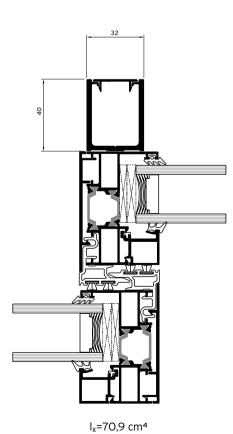
THRESHOLD WITH SUBSILL

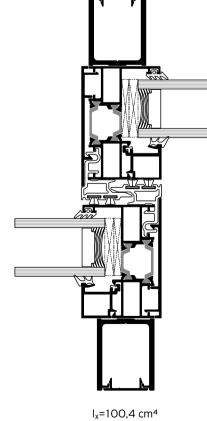


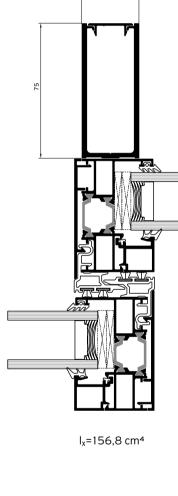
In addition, the reinforced interlocking profile apart from aesthetics and functionality, offers robustness to the structure and resistance to wind loads for higher sashes.

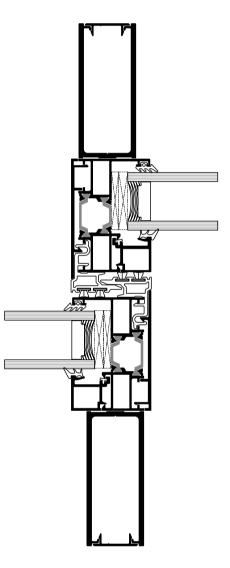


l_x=31,4 cm⁴

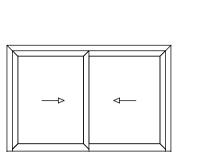








l_x=250 cm⁴

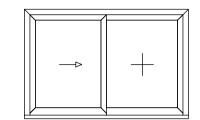


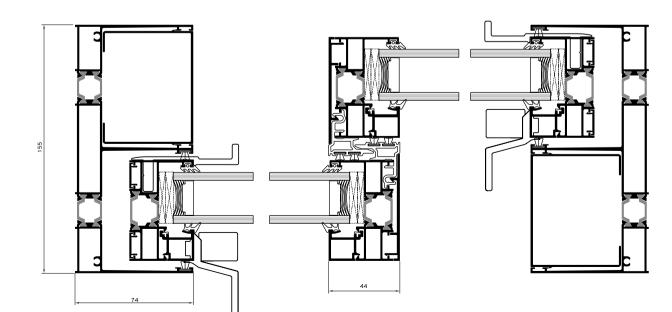
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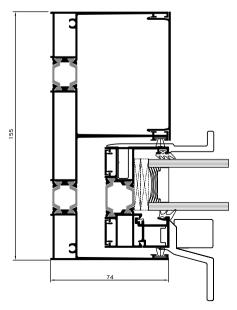
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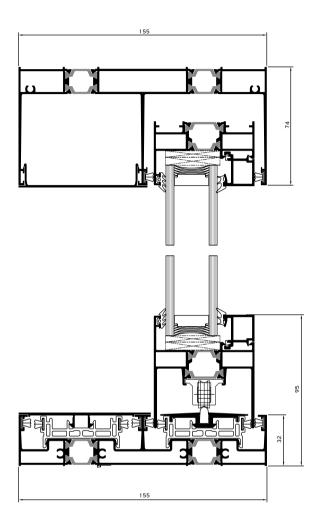
2 Sashes / 2 Track

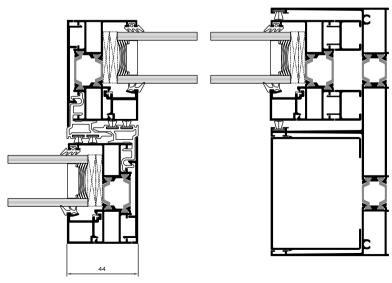
1 Sash / Fixed light

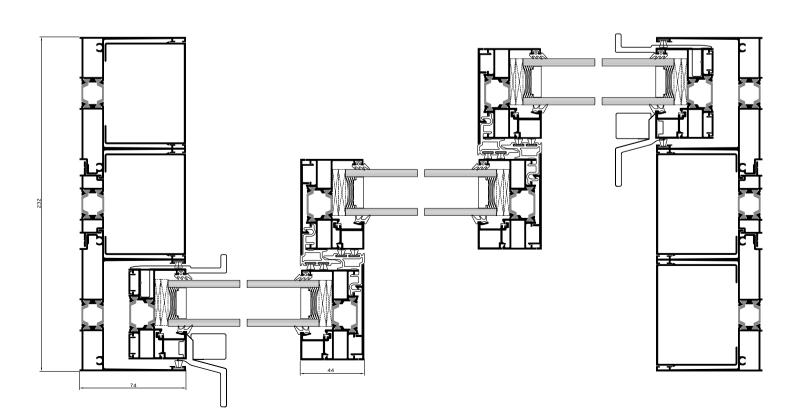










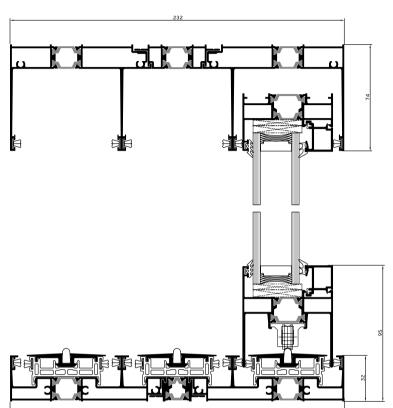


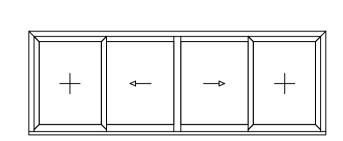


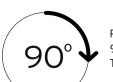
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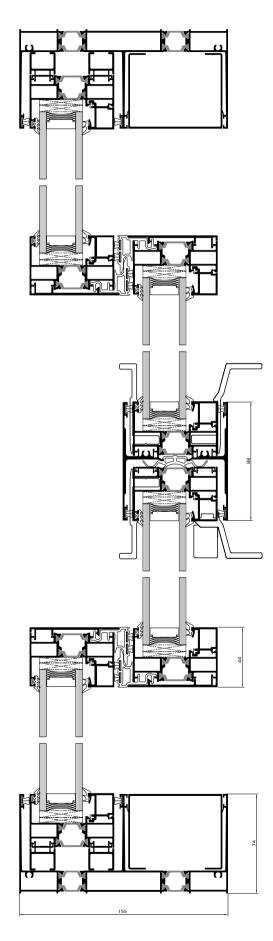


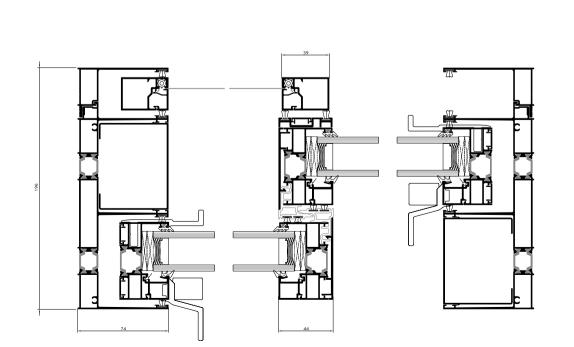


Rotate the technical drawing 90° CLOCKWISE IN ORDER TO READ IT PROPERLY

3 Sashes / 3 Track

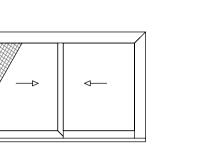
2 Sashes / 2 Fixed lights / 2 Track





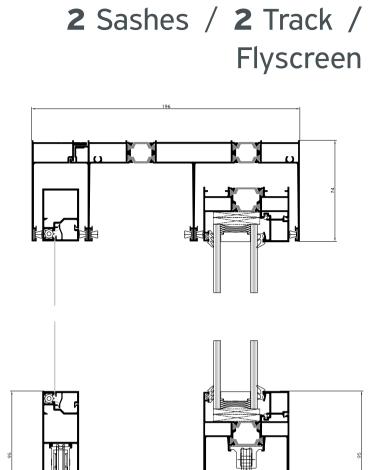
90°↓

Rotate the technical drawing 90° CLOCKWISE IN ORDER TO READ IT PROPERLY

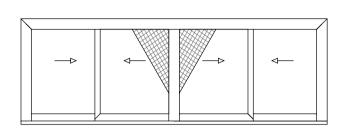


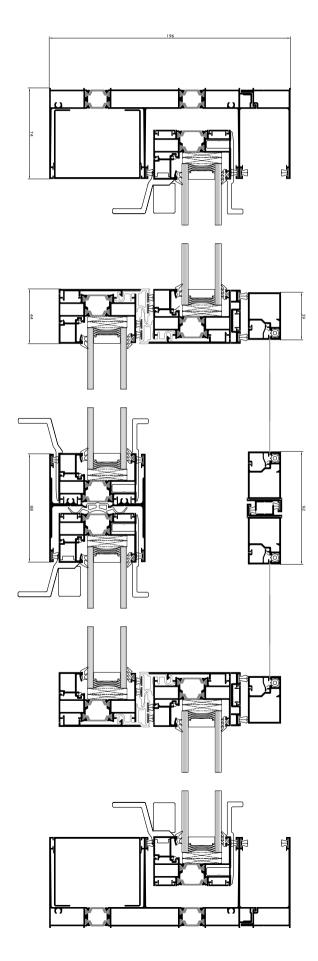
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4 Sashes / 2 Track / Flyscreen





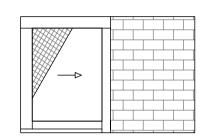


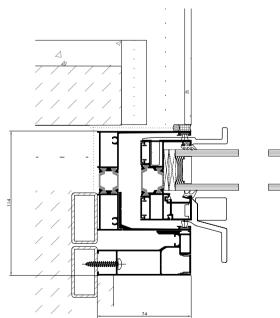
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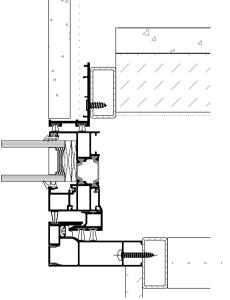
POCKET WINDOW

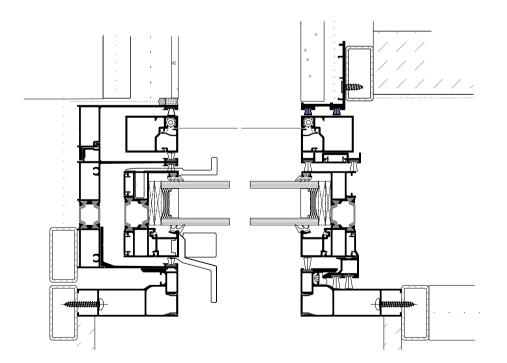
1 Sash

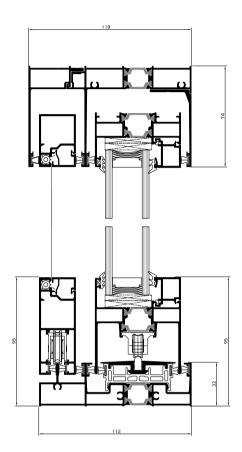
POCKET WINDOW









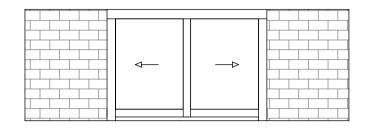


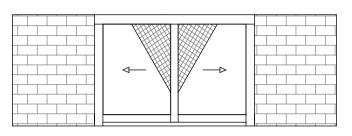


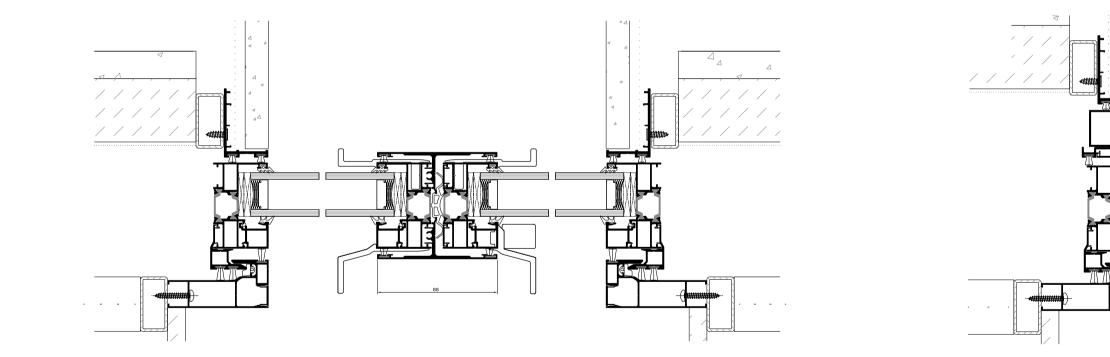
POCKET WINDOW

2 Sashes

POCKET WINDOW

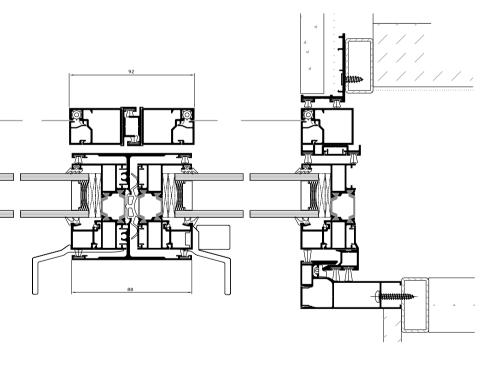






2 Sashes / Flyscreen

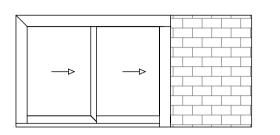
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EXTERNAL CORNER

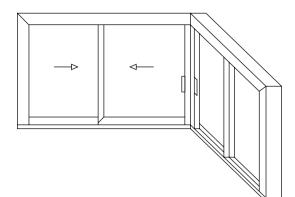
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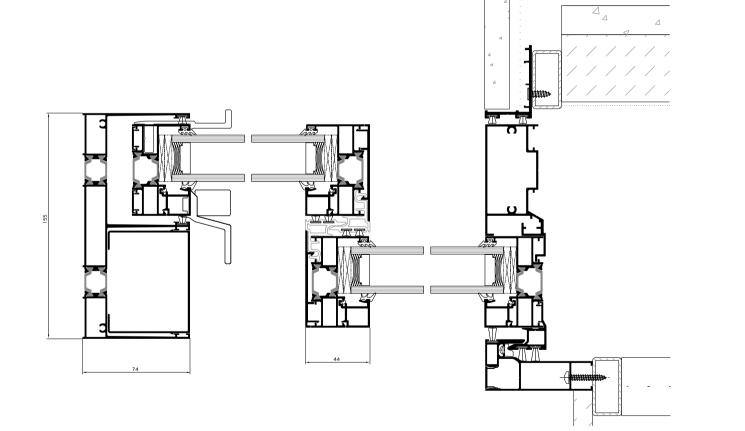
Multi-Sash

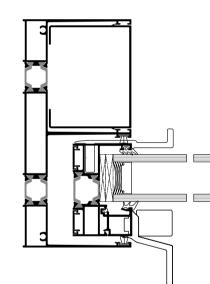


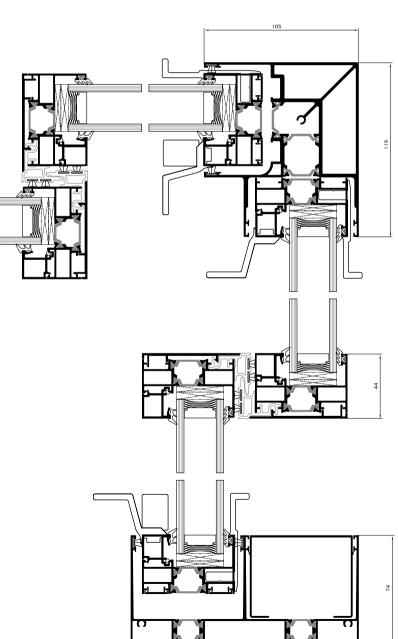
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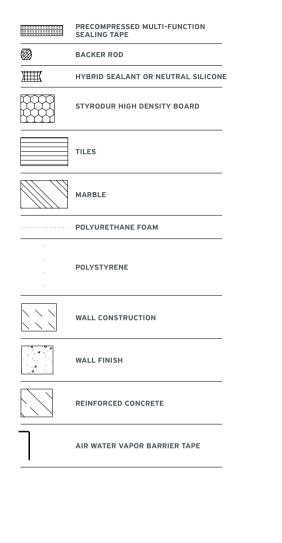




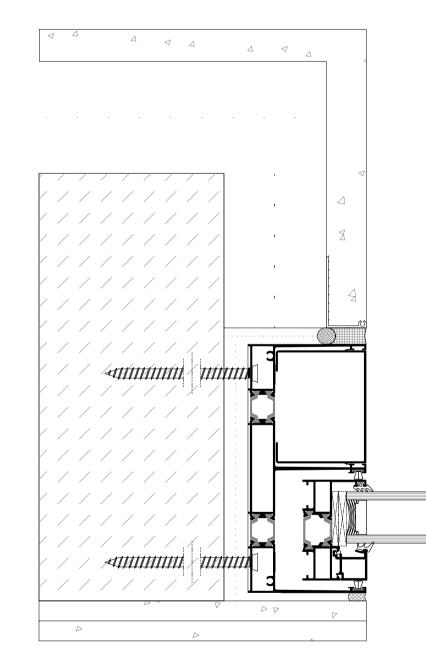


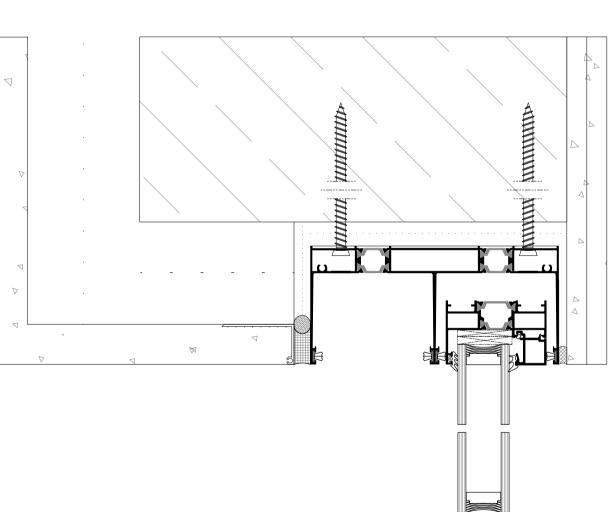


Installation



SIDE SECTION

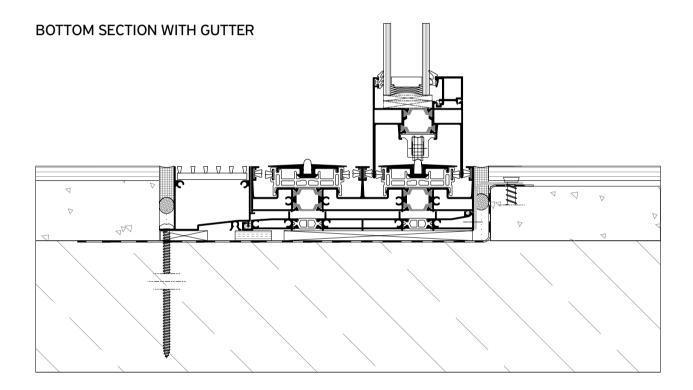


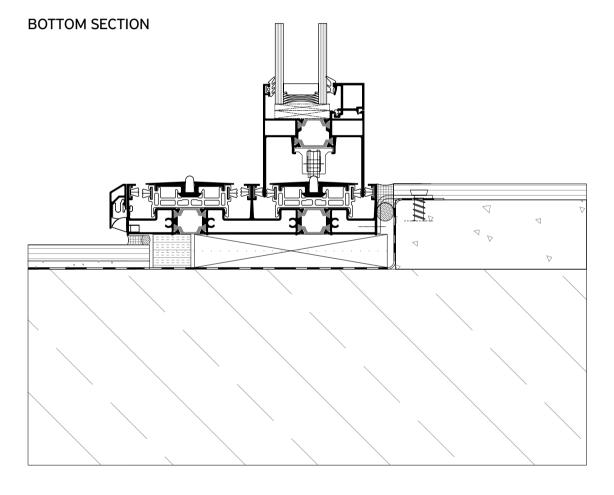


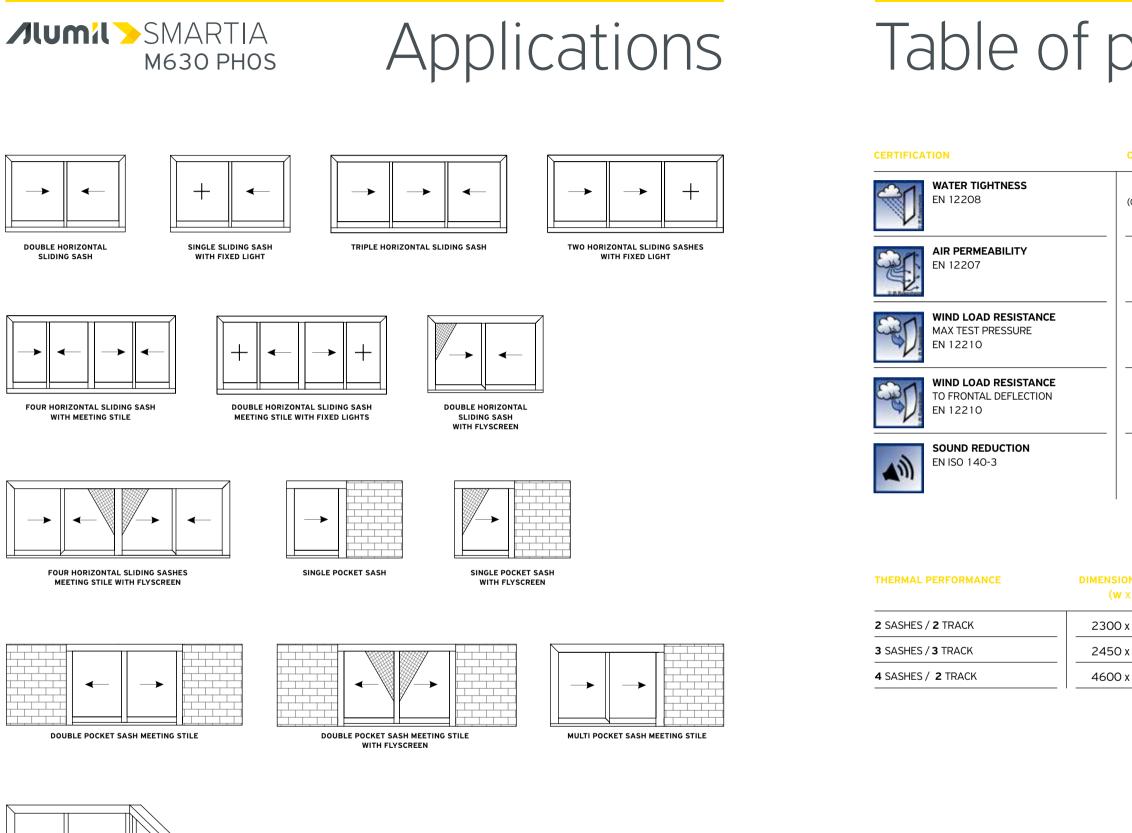




Installation







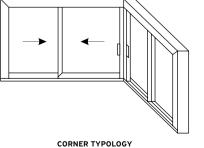


Table of performance

CLASSIFICATION

1 A (0 Pa)	2A (50 Pa)	3A (100 Pa)		5A (200 Pa)			8A (450 Pa)	9A (600 Pa)
1 2			3		4			
(40	1)0 Pa)	2 (800 F	Pa)	3 (1200 Pa	i) (4 1600 Pa)	<u>ب</u> 200)	5 O Pa)
A (≤ 1/150) (≤			3 /200)			C (300)		

Rw (C;Ctr) = 42 dB depending from the glazing type

U _w in W/m²K (Ug = 0,6)	U _w in W/m²K (Ug = 0,8)	U _w in W/m ² K (Ug = 1,1)
1,12	1,30	1,55
1,14	1,32	1,58
1,12	1,30	1,55
	(Ug = 0,6) 1,12 1,14	(Ug = 0,6) (Ug = 0,8) 1,12 1,30 1,14 1,32

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