



Alumil > SUPREME
S650 PHOS

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SUPREME S650 PHOS

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SUPREME S650 PHOS
is the ideal choice for sliding
windows with wide glazing surfaces
mounted in aluminium frames
that are totally flush
to the ceiling and the floor.

PHOS means LIGHT

*"Architecture is the learned game, correct and magnificent,
of forms assembled in the light."*

Bring Freedom

Inside

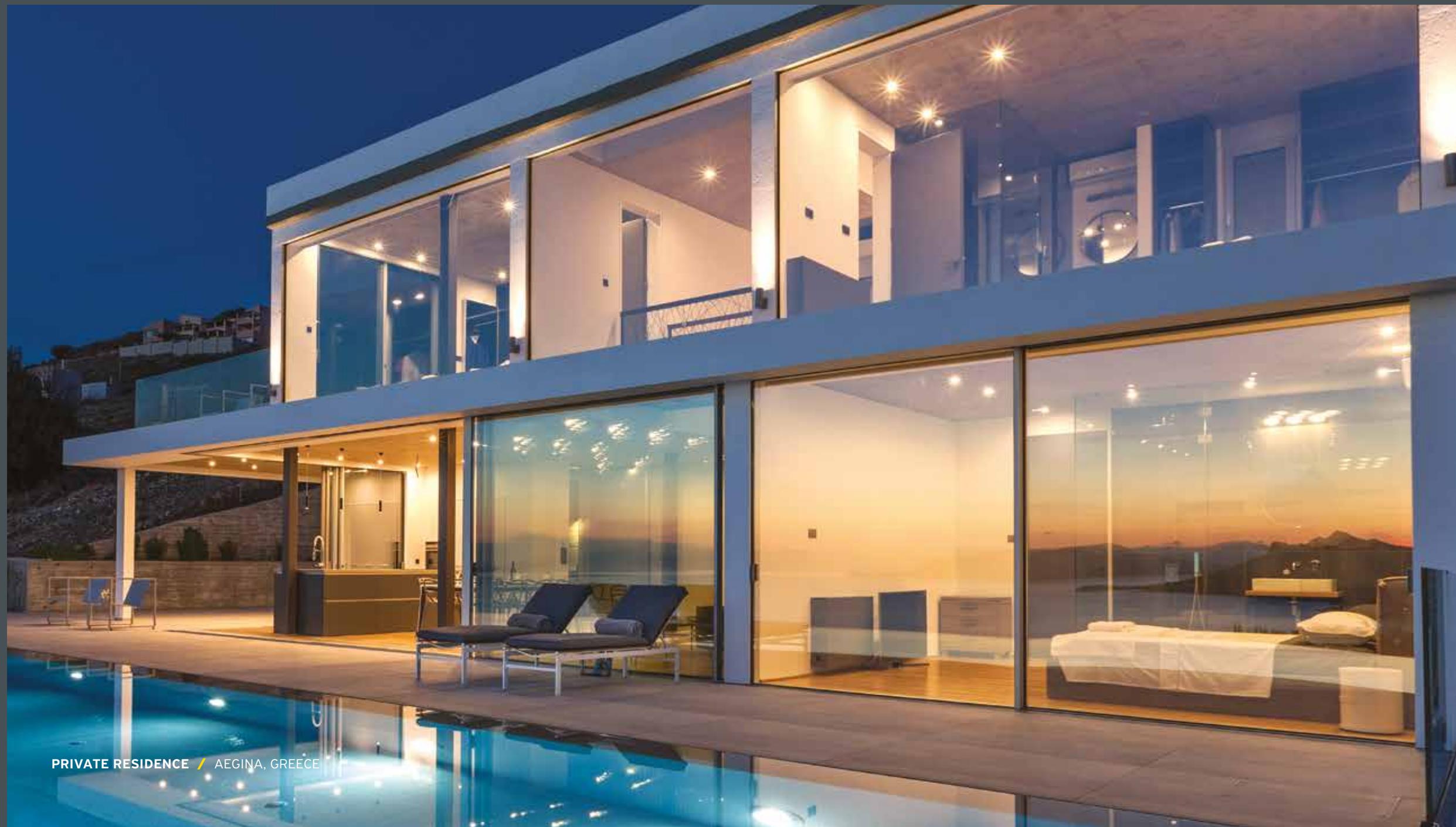
Alumil SUPREME S650 PHOS

Alumil's sliding thermal insulating system SUPREME S650 PHOS...

DESIGN PHILOSOPHY

CHARACTERISTICS

Is the ideal solution for projects requiring wide spans with **minimal aluminium site lines.**



Massive yet elegant glazing surfaces

- All the aluminum profiles are totally concealed in wall so as to maximize natural light.
- Only 25 mm visible aluminium face width at the interlocking profile.
- Extra concealed profiles available for water drainage.
- Stainless steel rollers for smooth sliding & maximum functionality with high resistance to corrosion.
- Alternative version for top-mounted installation.

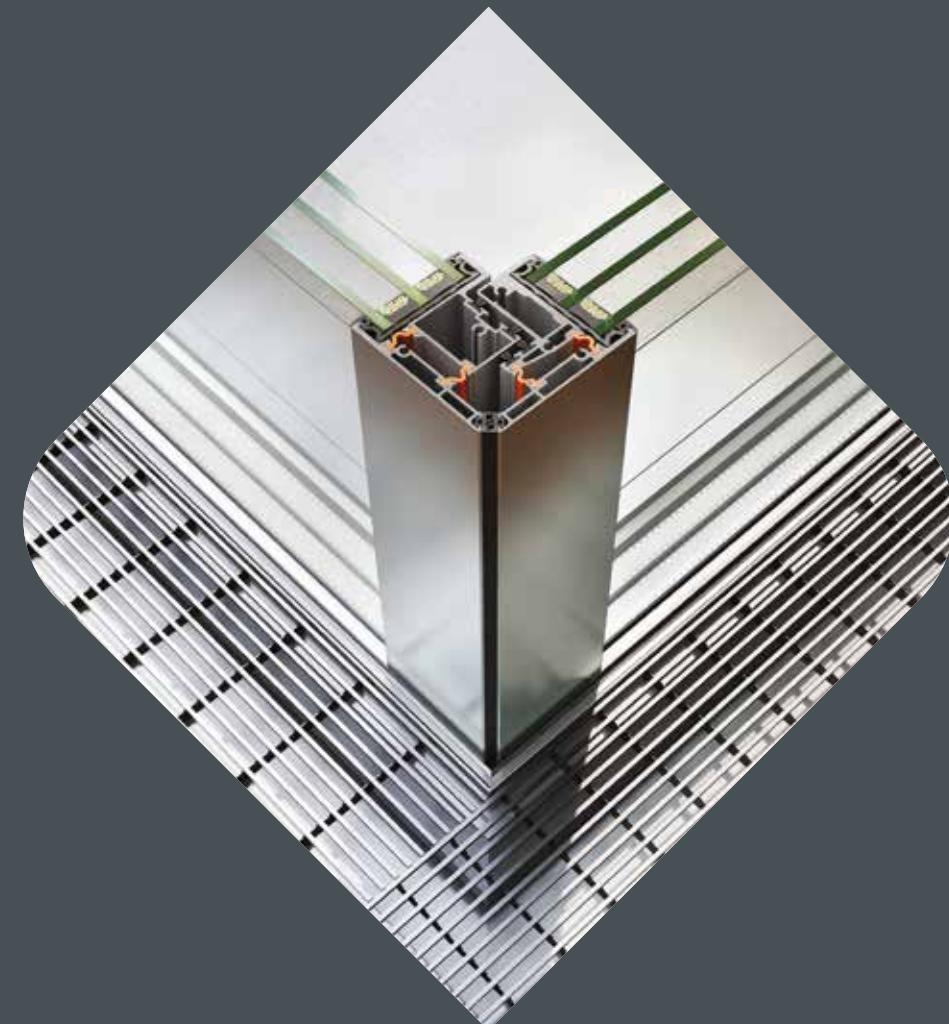
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S650 PHOS



PRIVATE RESIDENCE / AEGINA, GREECE

TECHNICAL

CHARACTERISTICS



VISIBLE ALUMINIUM FACE WIDTH

CONCEALED PROFILES

35 / 59 mm

FRAME HEIGHT

164 mm

FRAME WIDTH

22 / 32 mm

SASH HEIGHTS

62 mm

SASH WIDTH

25 mm

INTERLOCKING PROFILE WIDTH

1000 Kg

SASH WEIGHT

36 / 46 mm

GLAZING

POLYAMIDES, PVC

INSULATION

Alumil SUPREME
S650 PHOS

The limits between interior and exterior
are eliminated as the only aluminium width is

SENSE

OF FREEDOM

The system's main advantage is the improvement of living conditions by **maximizing the natural lighting and minimizing the visible aluminum face width**, which makes the residents feel closer to the external environment and increases their sense of freedom.

25mm at the interlocking profile.

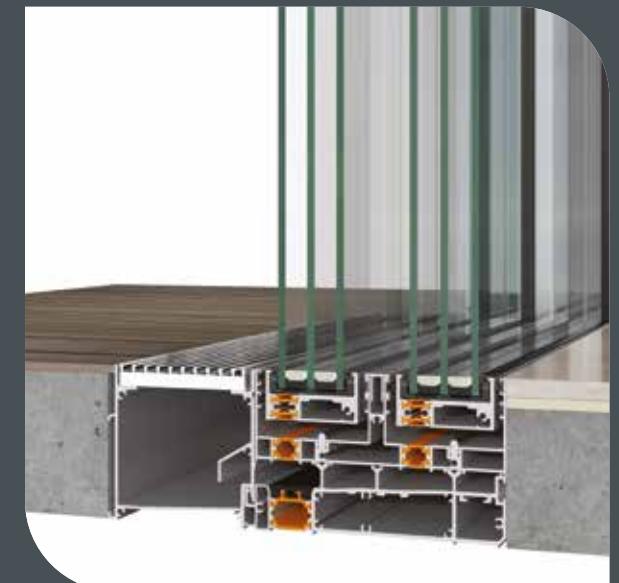


ATTENTION

TO DETAIL

SUPREME S650 PHOS offers a unique combination of **elegance** and **functionality**, satisfying even the most demanding requirements.

ITS MINIMAL DESIGN ALONG WITH THE WIDE GLAZING SURFACES ENHANCE **MAXIMUM VISIBILITY** AND **NATURAL LIGHT** BY USING TOTALLY CONCEALED PROFILES INTO THE WALLS, THE FLOOR AND THE CEILING.



ALTERNATIVE VERSION FOR TOP-MOUNTED INSTALLATION WITH A LOW THRESHOLD, a flat track that is addressing safety issues for easy and safe access to children, elders and people with special needs. A more flexible solution ideal for renovations with innovative water drainage.

ALUMIL SUPREME
S650 PHOS



ALKYONIDES VILLAS / ZANTE, GREECE

ATTENTION

TO SAFETY

ROLLERS

Stainless steel rollers ideal for seaside projects.

For heavy duty constructions up to **1000 Kg** per sash, offering high functionality & smooth gliding of the sashes.

CERTIFIED PERFORMANCES TESTED ACCORDING EN 13126-1 AND EN 1670 FOR:

- CORROSION RESISTANCE
- DURABILITY
- STATIC LOAD
- HARDNESS

LOCKING SYSTEM

CERTIFIED PERFORMANCES TESTED ACCORDING EN 13126-1 AND EN 1670 FOR:

- MULTIPLE POINT LOCKING
- TOP - BOTTOM WITH ROD & ON THE VERTICAL FIXED FRAME WITH BOLTS AND STRIKERS

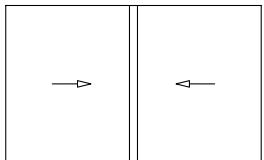
HANDLES

Branded handles with **ALUMIL** unique design offer high security as they are lockable with key placed on the handle level. In addition, they are very easy to install after transportation on site and can be easily removed for maintenance.



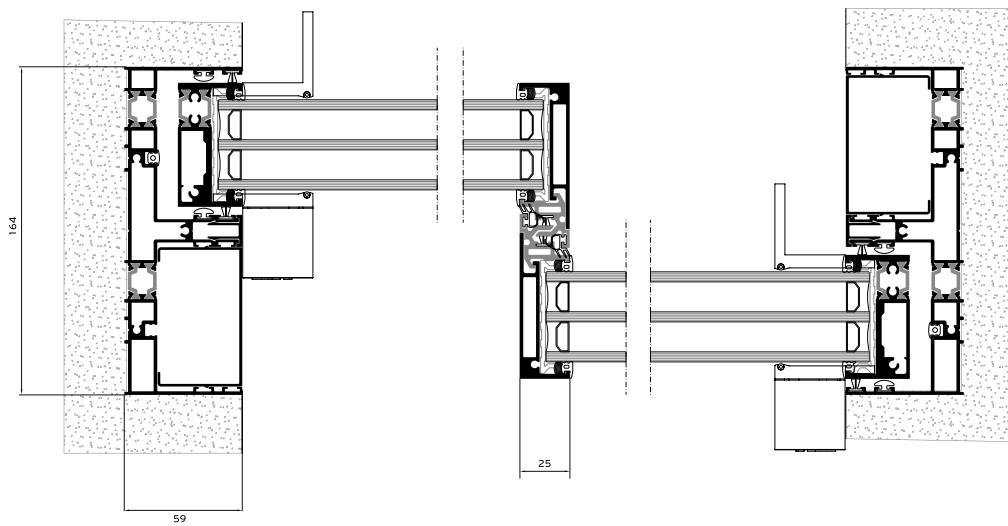
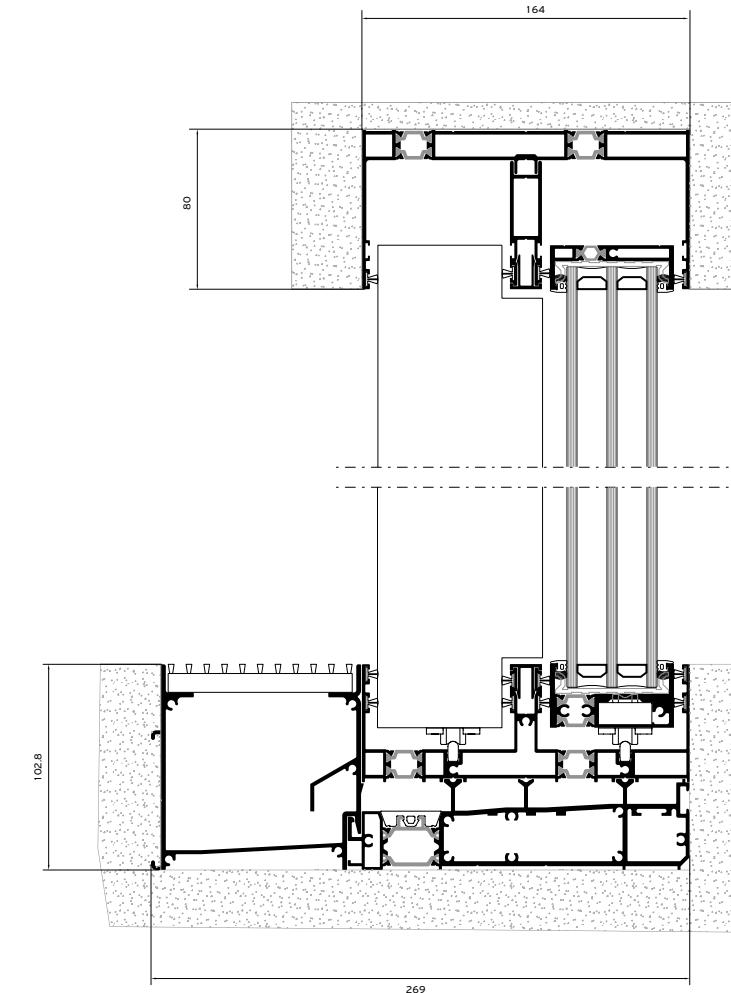
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S650 PHOS

2 Sashes / 2 Track

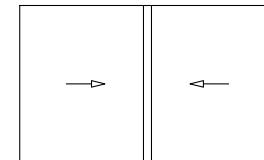


The innovative design of the concealed water drainage system offers excellent performance even under adverse weather conditions.

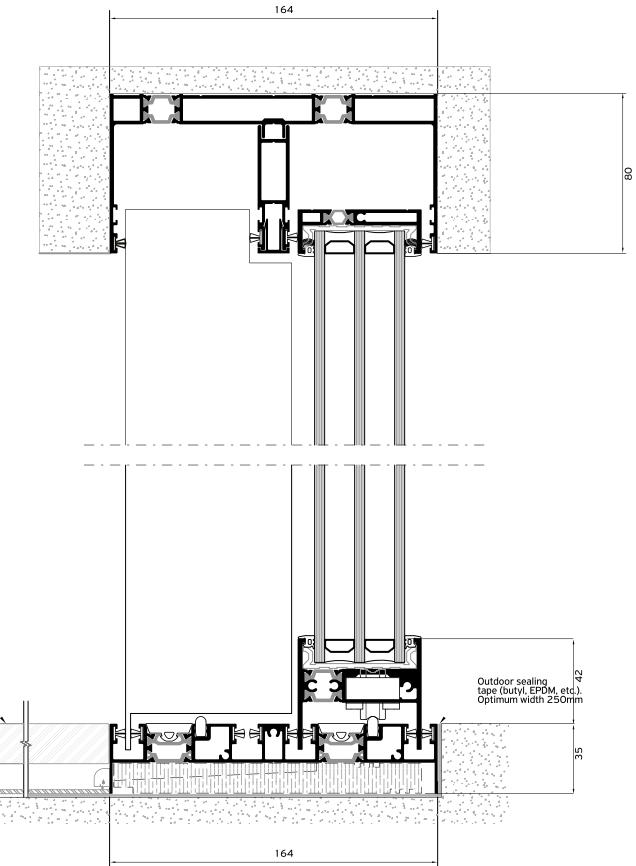
Specially perforated profiles and accessories, assembled together, facilitate the water outflow.



2 Sashes / 2 Track Low Threshold

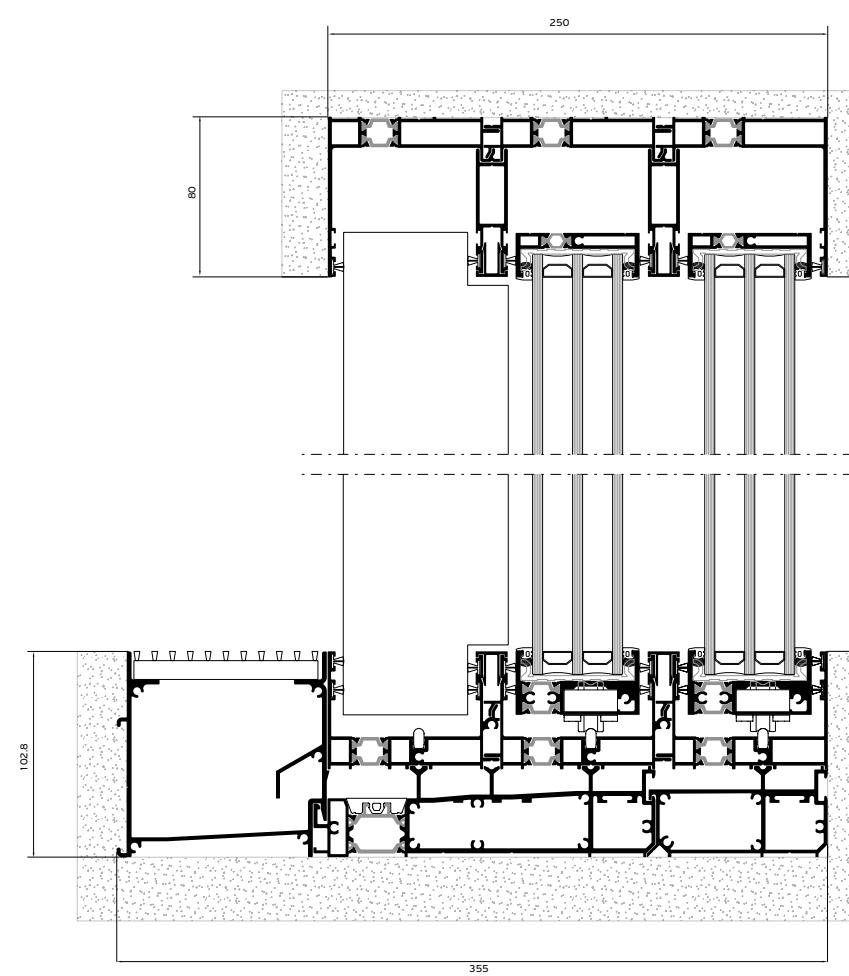
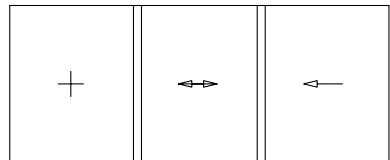


Even when the low threshold is selected for top-mounted installation, there is a special component for the concealed water drainage that offers high watertightness

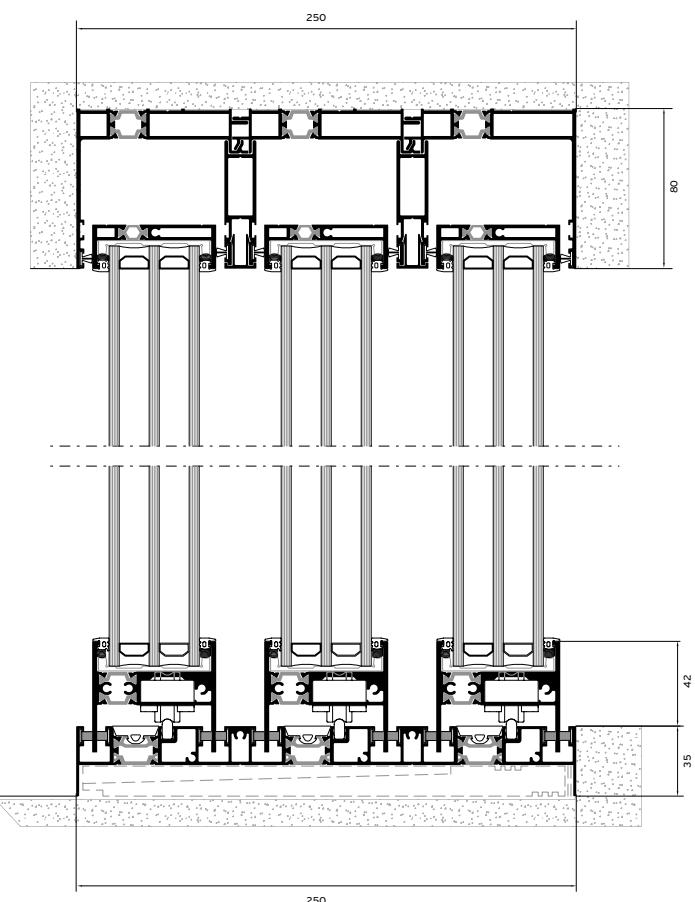
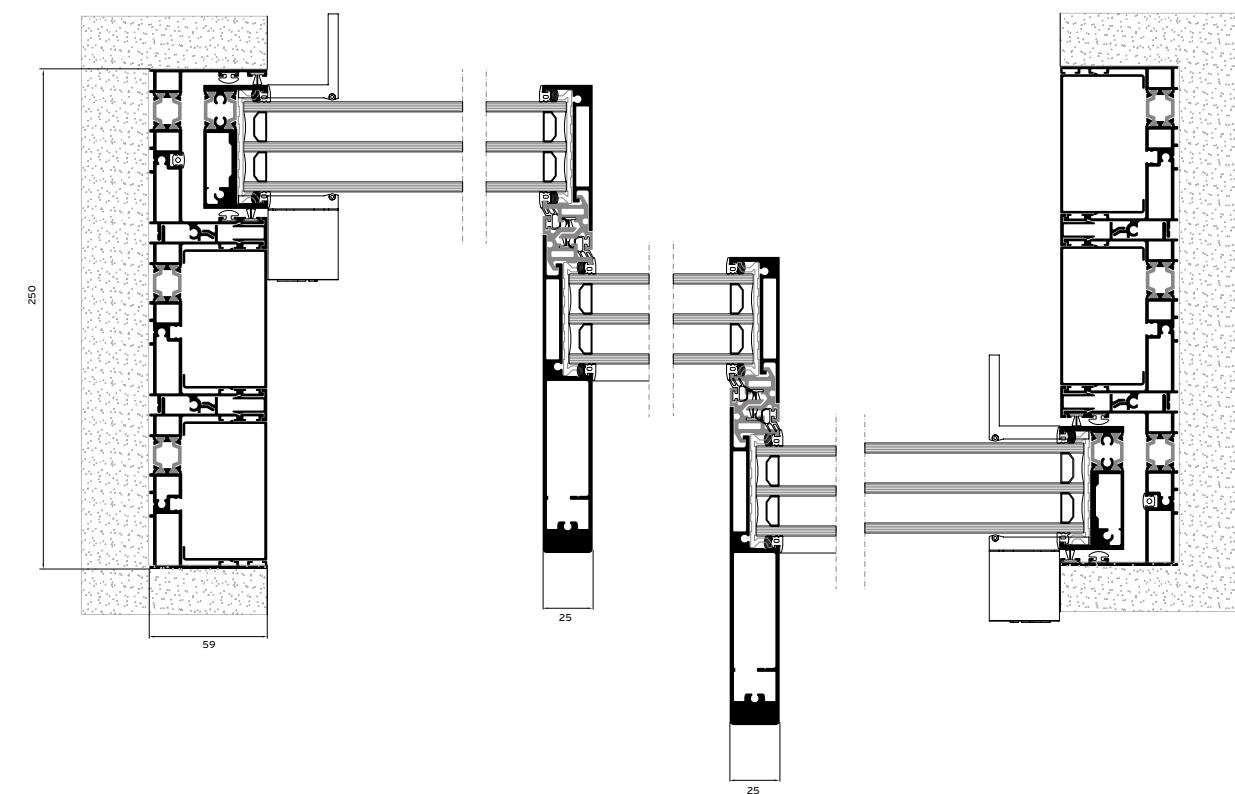
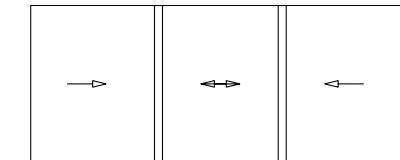


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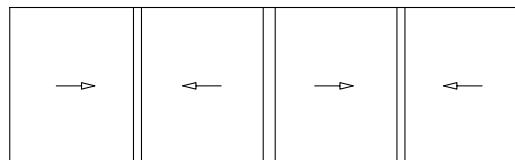
3 Sashes / 3 Track



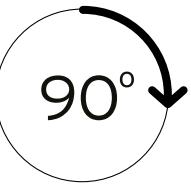
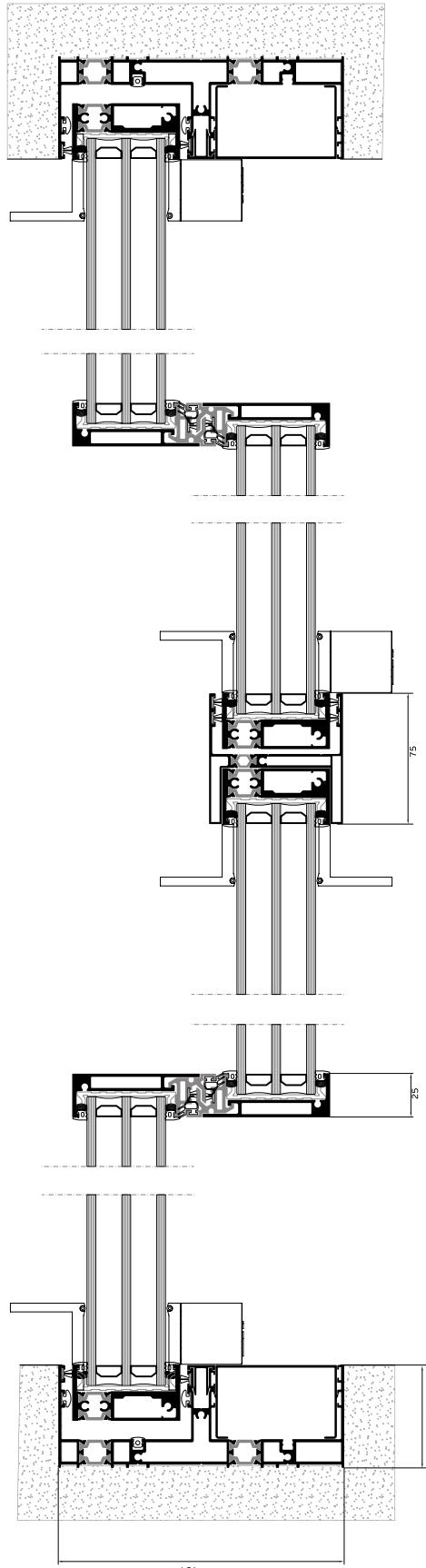
3 Sashes / 3 Track Low Threshold



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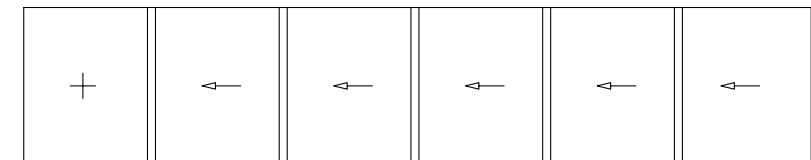


4 Sashes / 2 Track

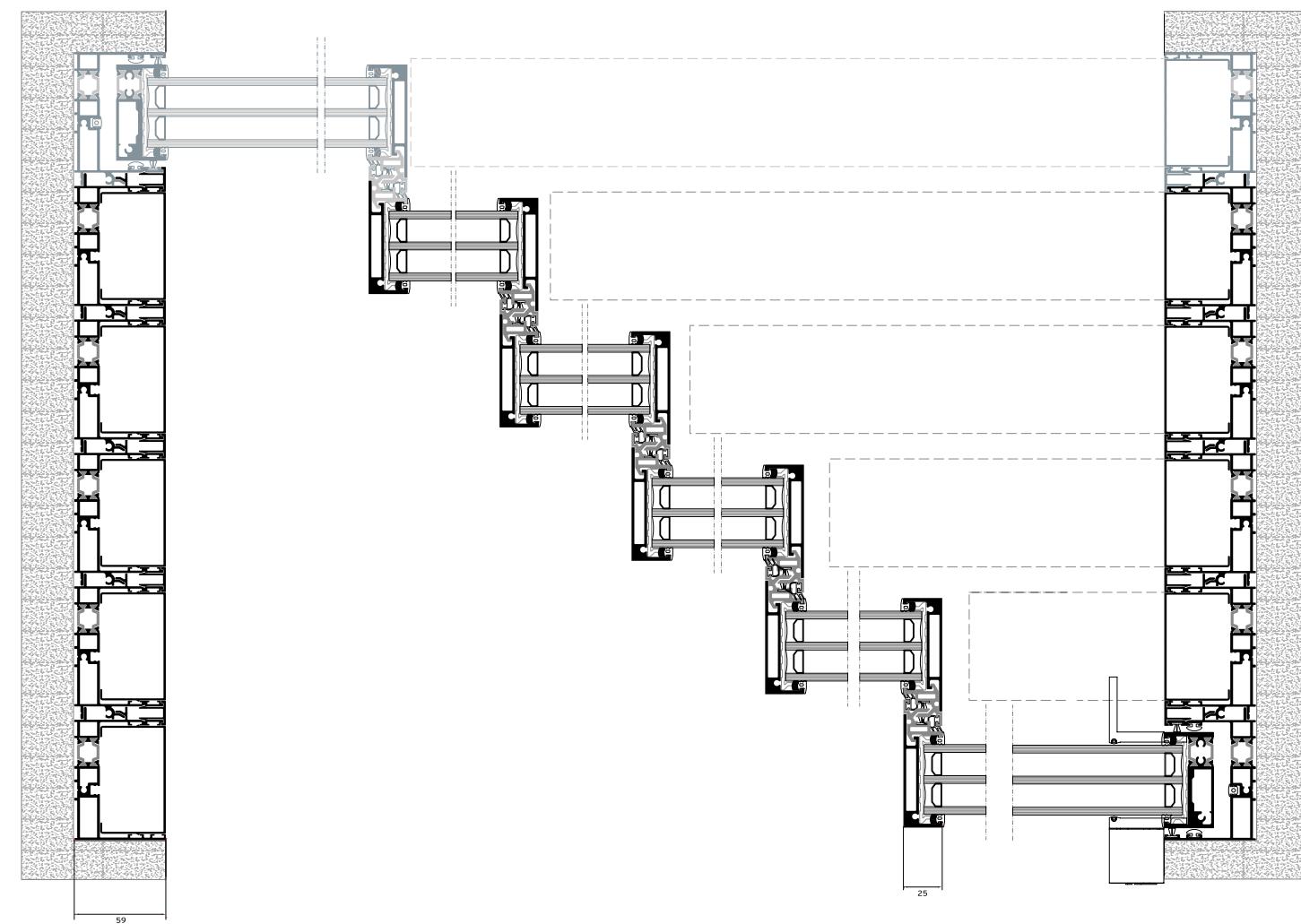


Rotate the technical drawing
90° CLOCKWISE IN ORDER
TO READ IT PROPERLY

MULTI TRACK

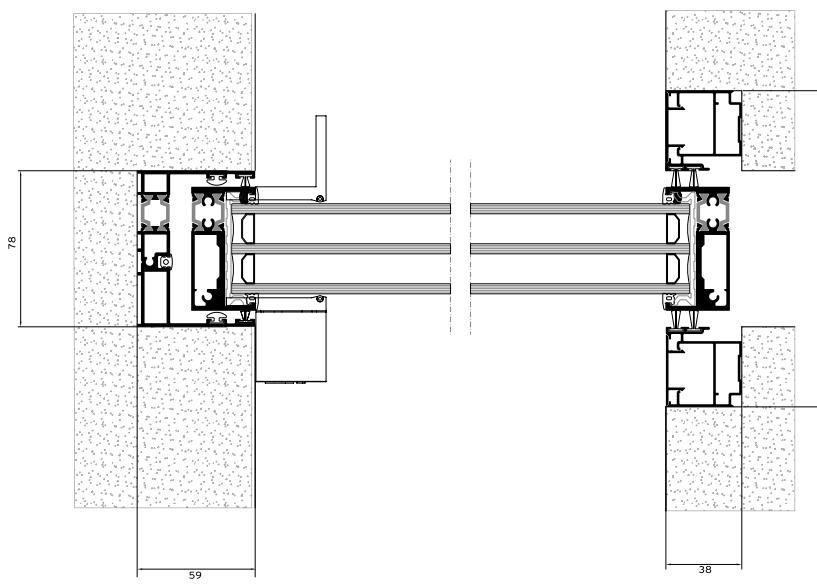
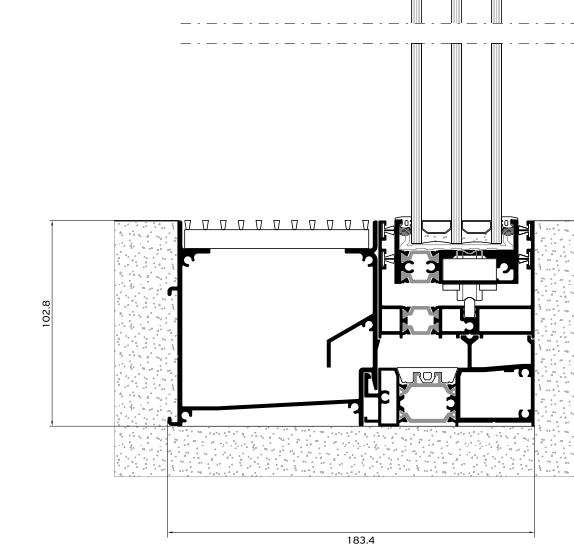
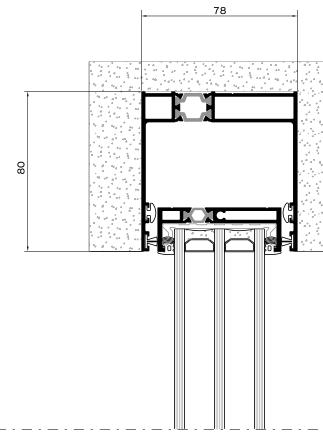
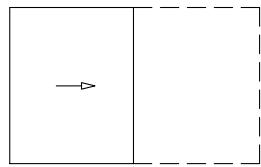


"No limits at the number of the horizontal sashes
with the multi track typologies"

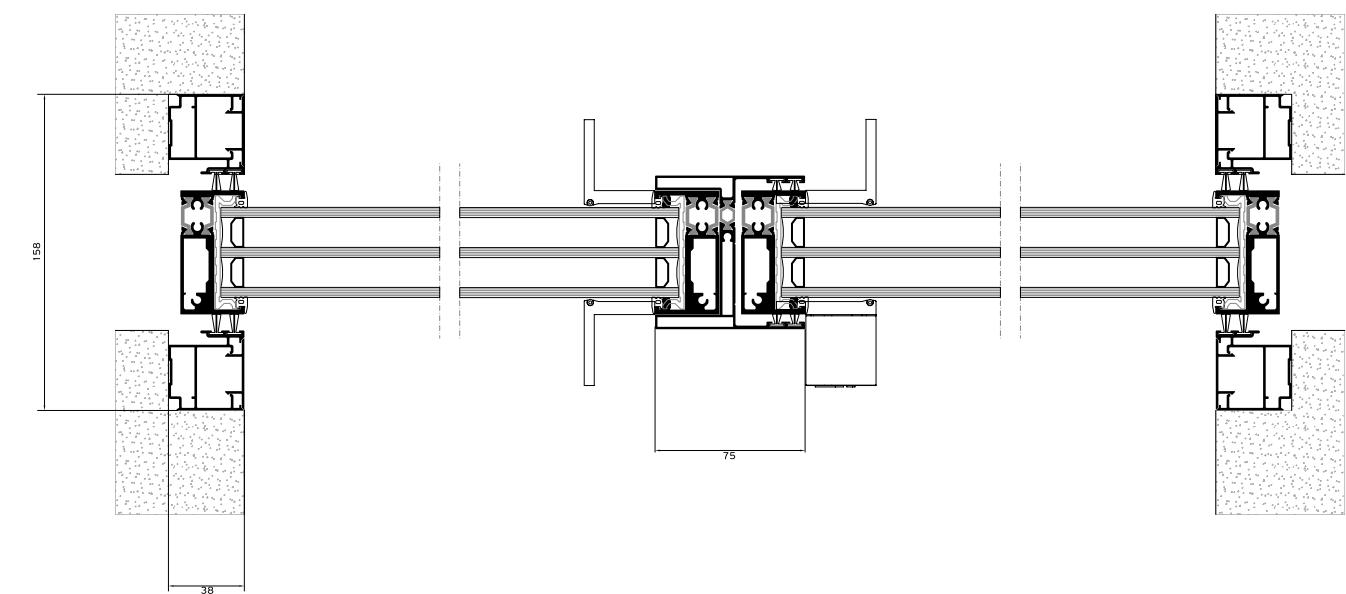
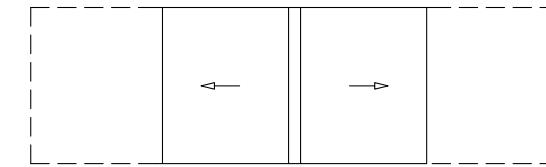


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POCKET WINDOW 1 Sash / 1 Track



POCKET WINDOW

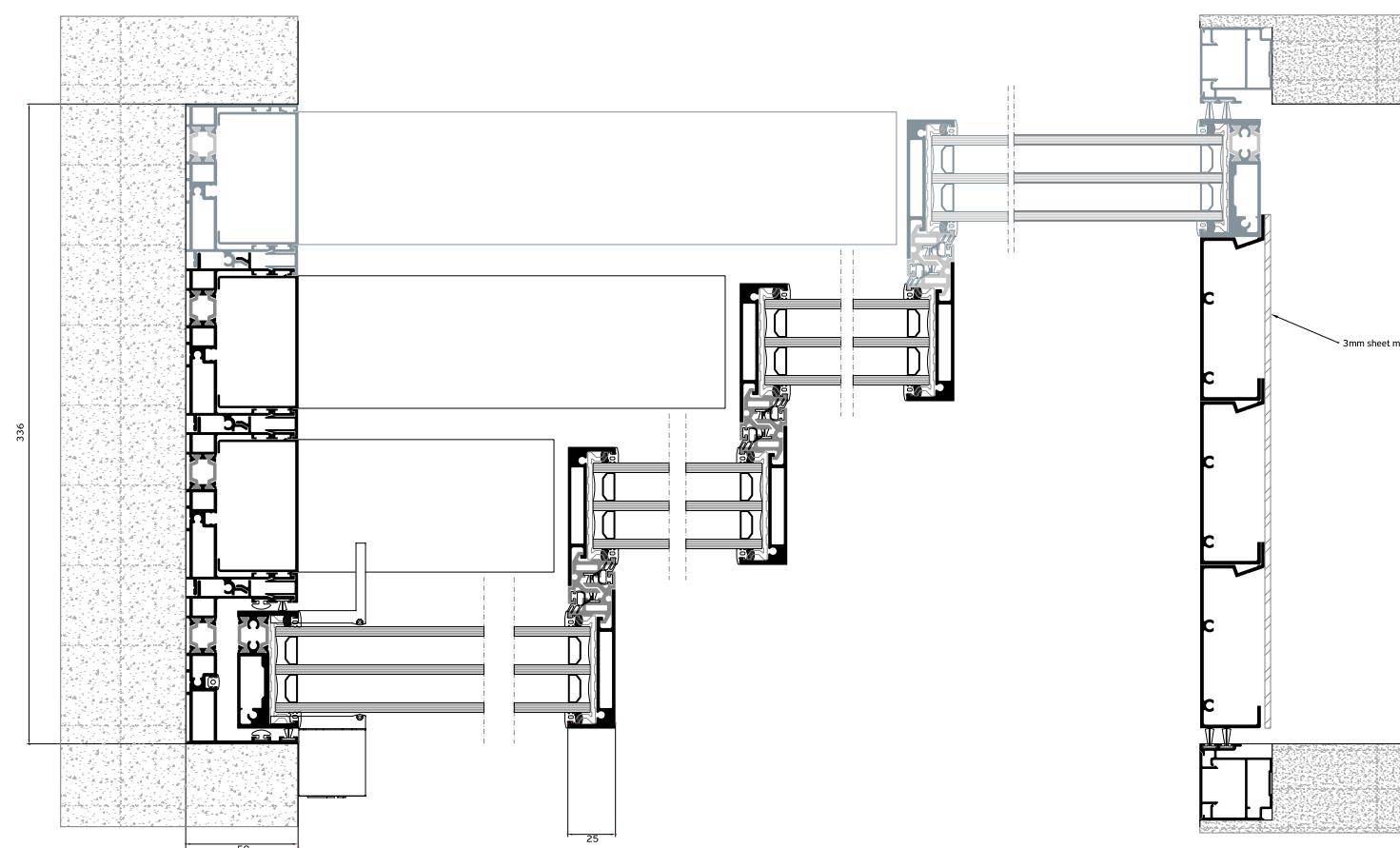
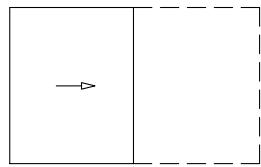


2 Sashes / 1 Track

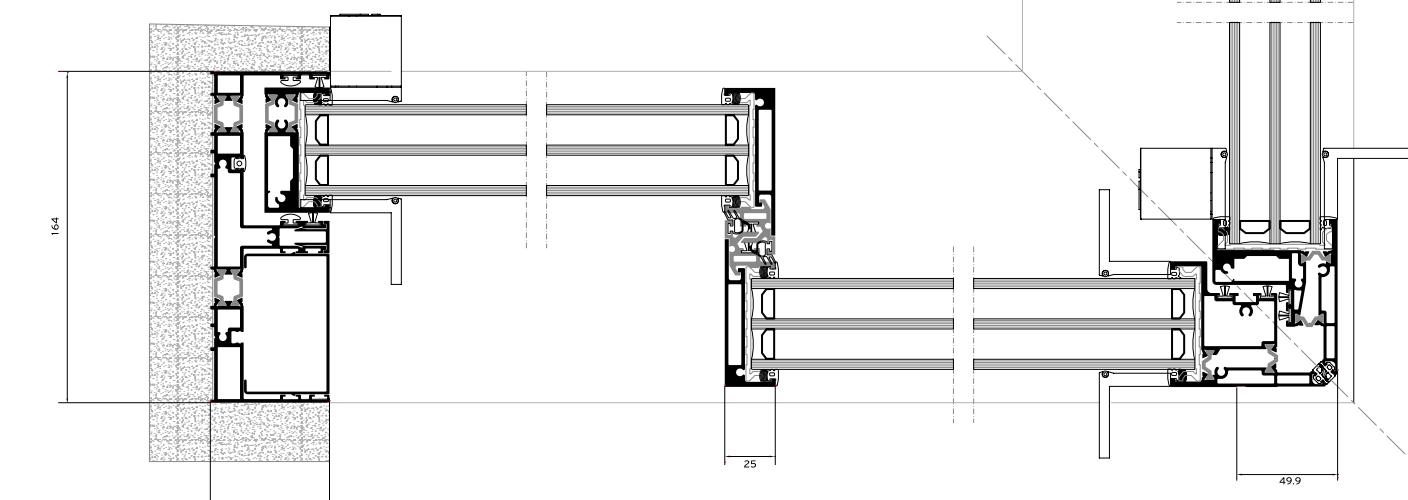
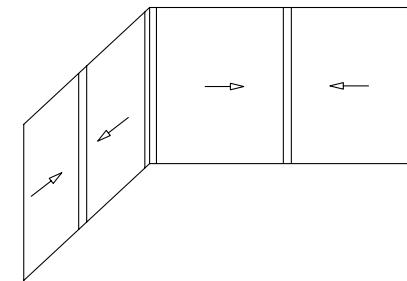
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POCKET WINDOW

Multi Track



EXTERNAL CORNER

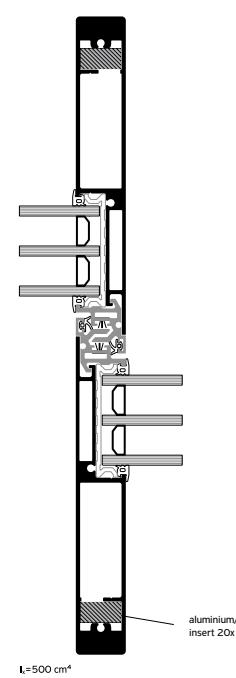
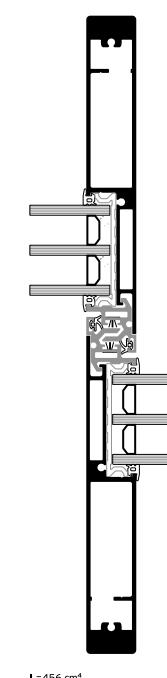
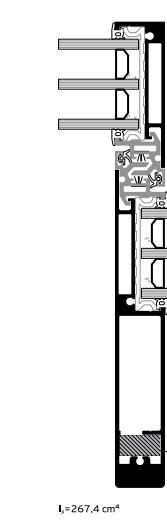
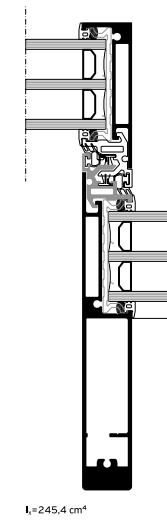
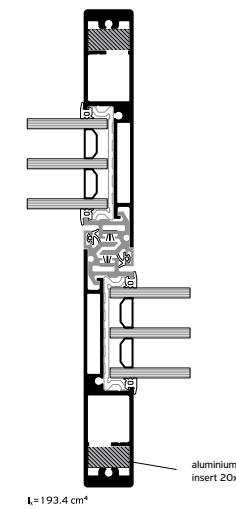
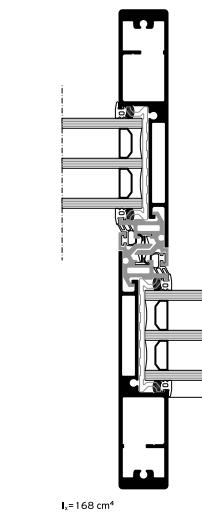
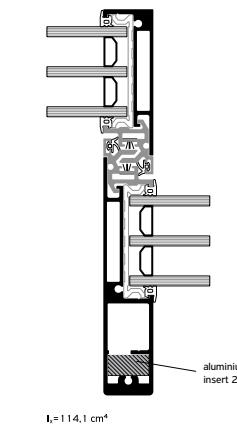
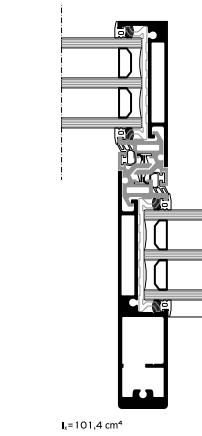
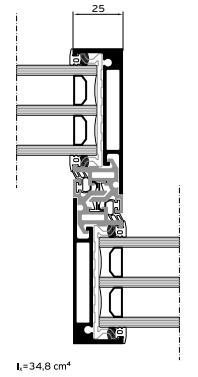


CORNER CONSTRUCTIONS WITHOUT
USING INTERMEDIATE MULLIONS OFFER:

- MAXIMUM NATURAL LIGHT
- EASY OF ACCESS
- MINIMAL DESIGN
- HIGH FUNCTIONALITY

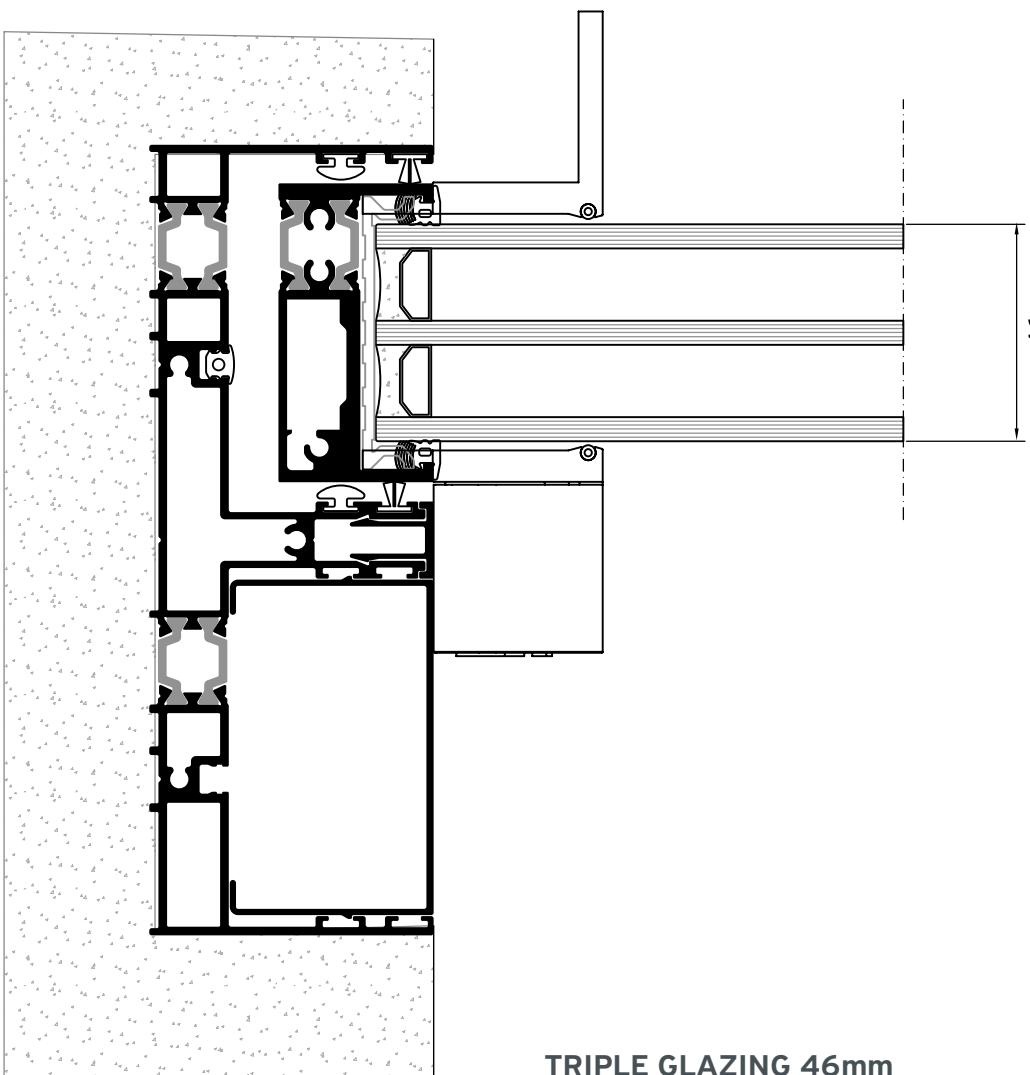
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S650 PHOS

STIFFENERS

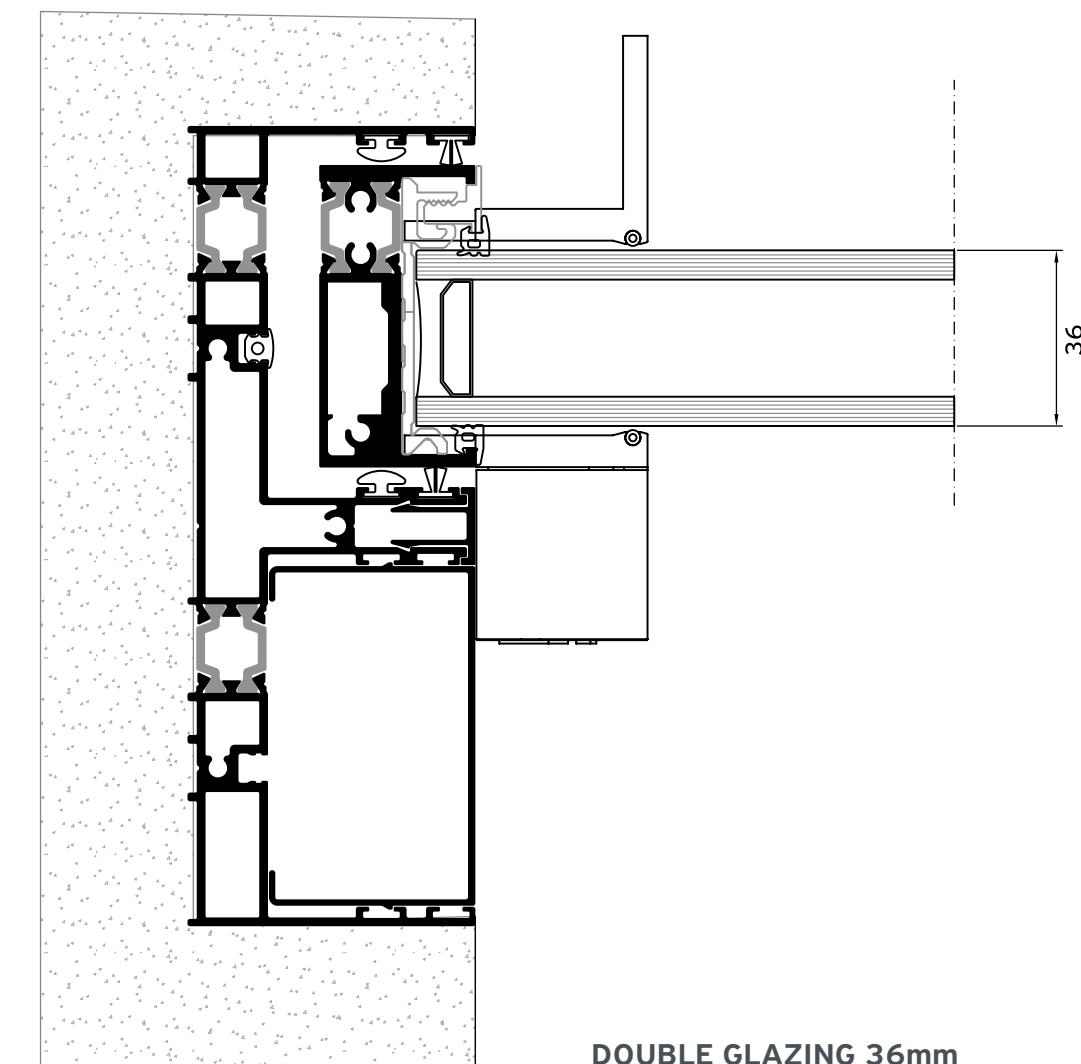


Alumil SUPREME
S650 PHOS

GLAZING TYPES



TRIPLE GLAZING 46mm



DOUBLE GLAZING 36mm

Alumil > SUPREME

S650 eclipse

The innovative invisible track is totally integrated into the floor and covered with the floor finish offering a **flat surface** and creating continuity between the interior and the exterior environment.

THE ABSOLUT

DESIGNED TO MEET THE ARCHITECTURAL DEMANDS OF MINIMAL THERMALLY INSULATED SLIDING SYSTEMS WITH MINIMUM ALUMINUM SIGHT LINES.



- Invisible bottom frame totally flush to the floor
- Profiles totally concealed in-wall for maximum natural light
- Only 25 mm visible aluminium face width at the interlocking profile
- Concealed water drainage with high performance
- Stainless steel rollers easily replaced for maintenance
- New inox philosophy for flawless sash gliding & durability overtime

ALUMIL SUPREME
S650 eclipse



TECHNICAL

CHARACTERISTICS



VISIBLE ALUMINIUM FACE WIDTH

CONCEALED PROFILES

61 mm

FRAME HEIGHT

180 mm

FRAME WIDTH

22 / 45 mm

SASH HEIGHTS

62 mm

SASH WIDTH

25 mm

INTERLOCKING PROFILE WIDTH

1000 Kg

SASH WEIGHT

36 / 46 mm

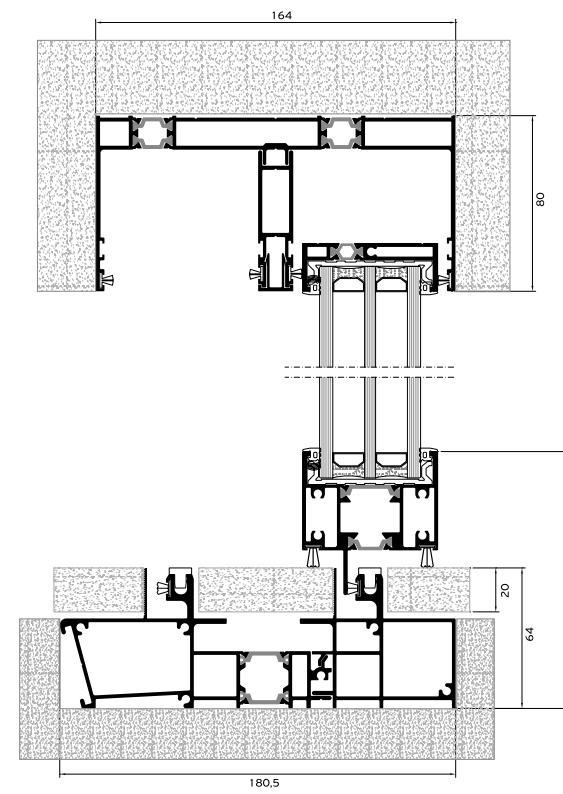
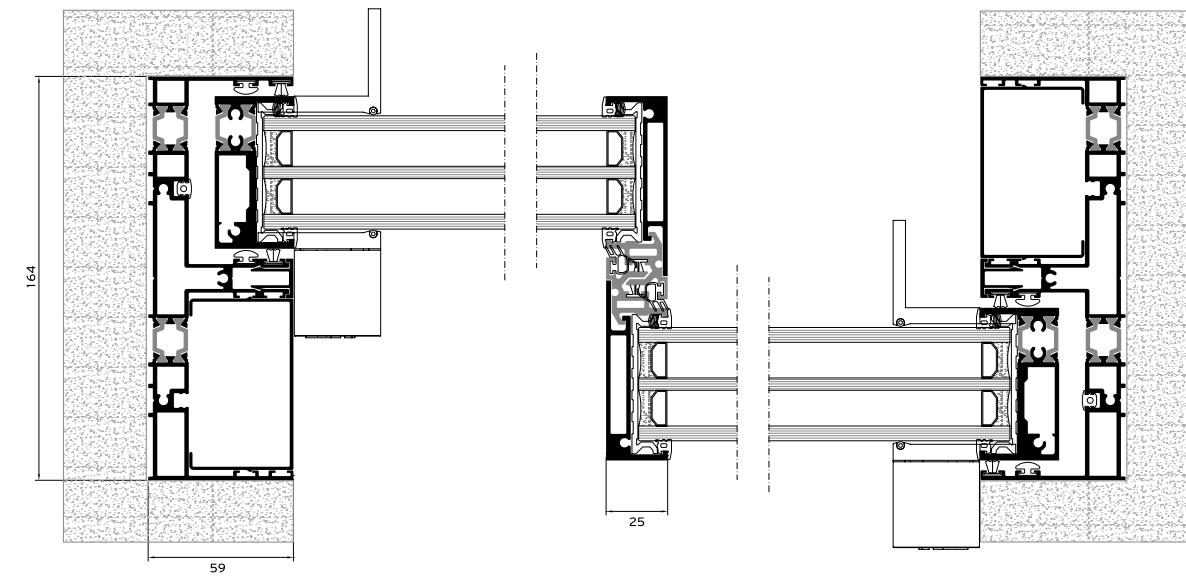
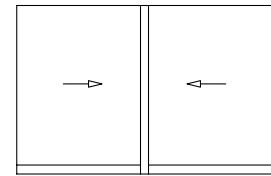
GLAZING

POLYAMIDES, PVC

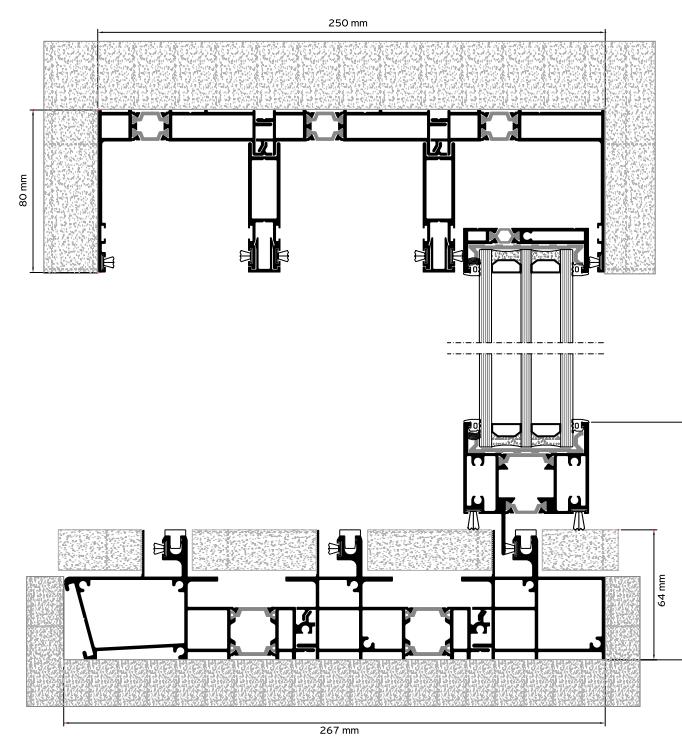
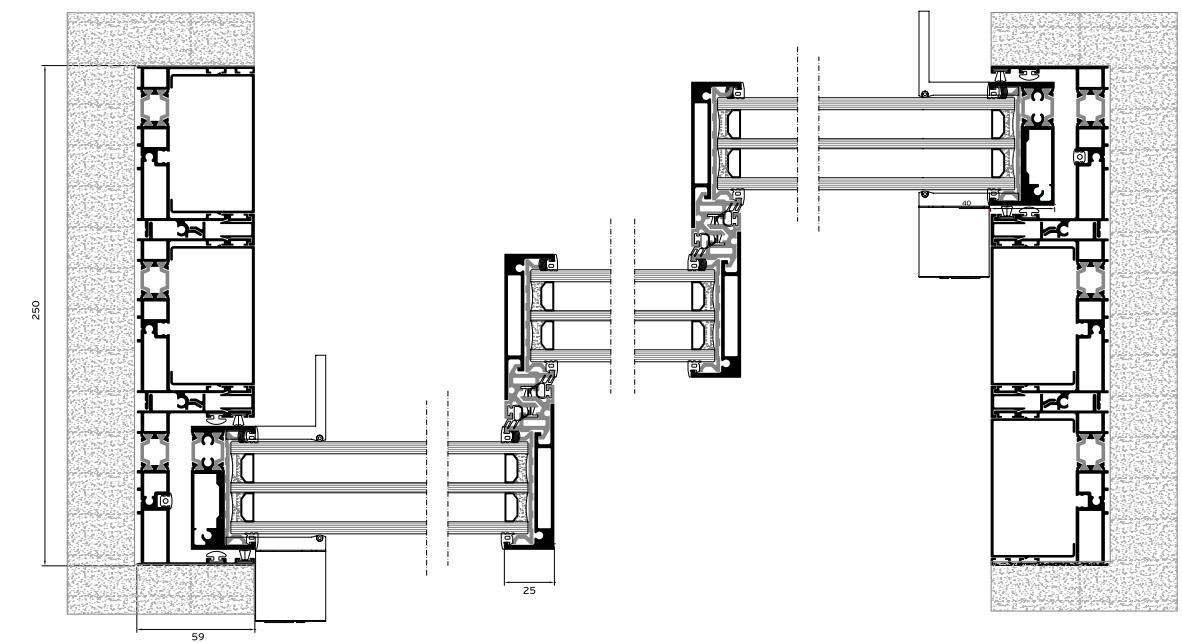
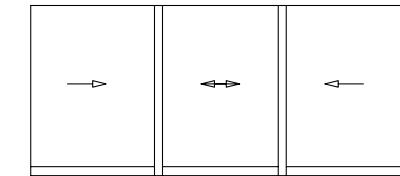
INSULATION

Alumil SUPREME
S650 eclipse

2 Sashes / 2 Track



3 Sashes / 3 Track



Alumil SUPREME S650 e-MOTION

AUTOMATED VERSION

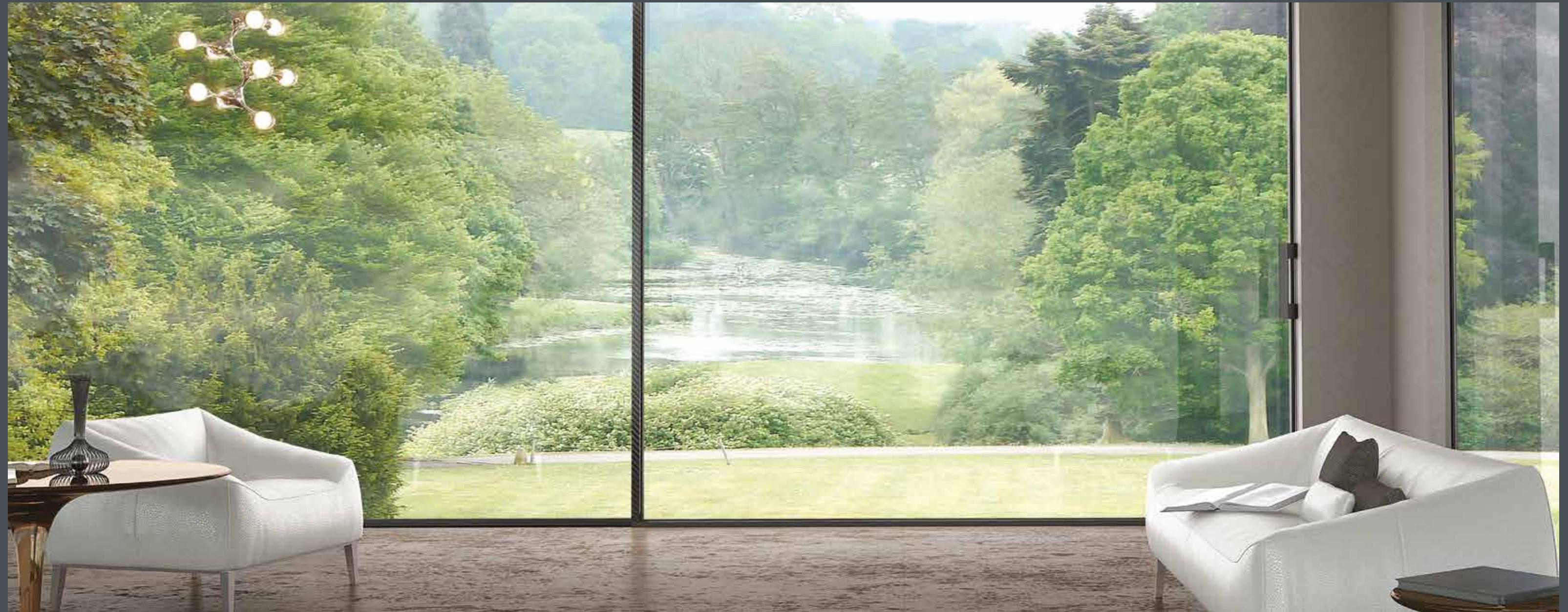
The supreme S650 e-Motion is the automated version of the supreme S650 PHOS series.

The elegant design and the electrical automation offering maximum ease of use, make it the perfect solution for projects that require impressive wide spans with uninterrupted view, as well as perfect comfort.

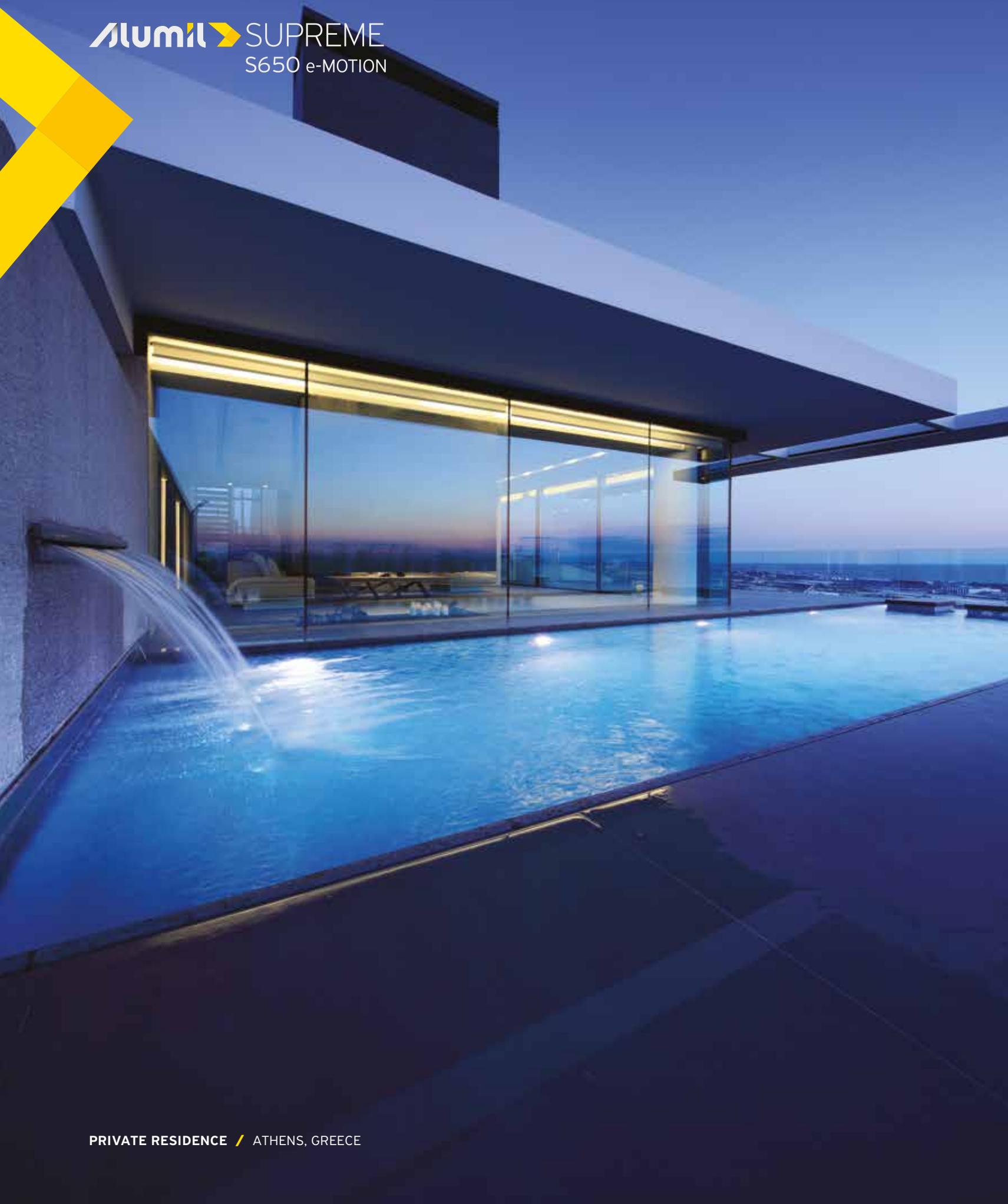
FUNCTIONALITY, CREDIBILITY

COMFORT

- All the aluminum profiles are totally concealed in-wall so as to maximize natural lighting
- Remote controlled electric motion for ease of use
- Maximum safety through a central control system (motion sensors, electromagnetic locking and fire detection), which is compatible with smart house applications
- Narrow interlocking profile with only 25mm visible aluminum face width
- Can be operated in case of blackout thanks to the integrated rechargeable battery
- Manual operation possible in case of emergency
- Extra concealed profiles available for water drainage



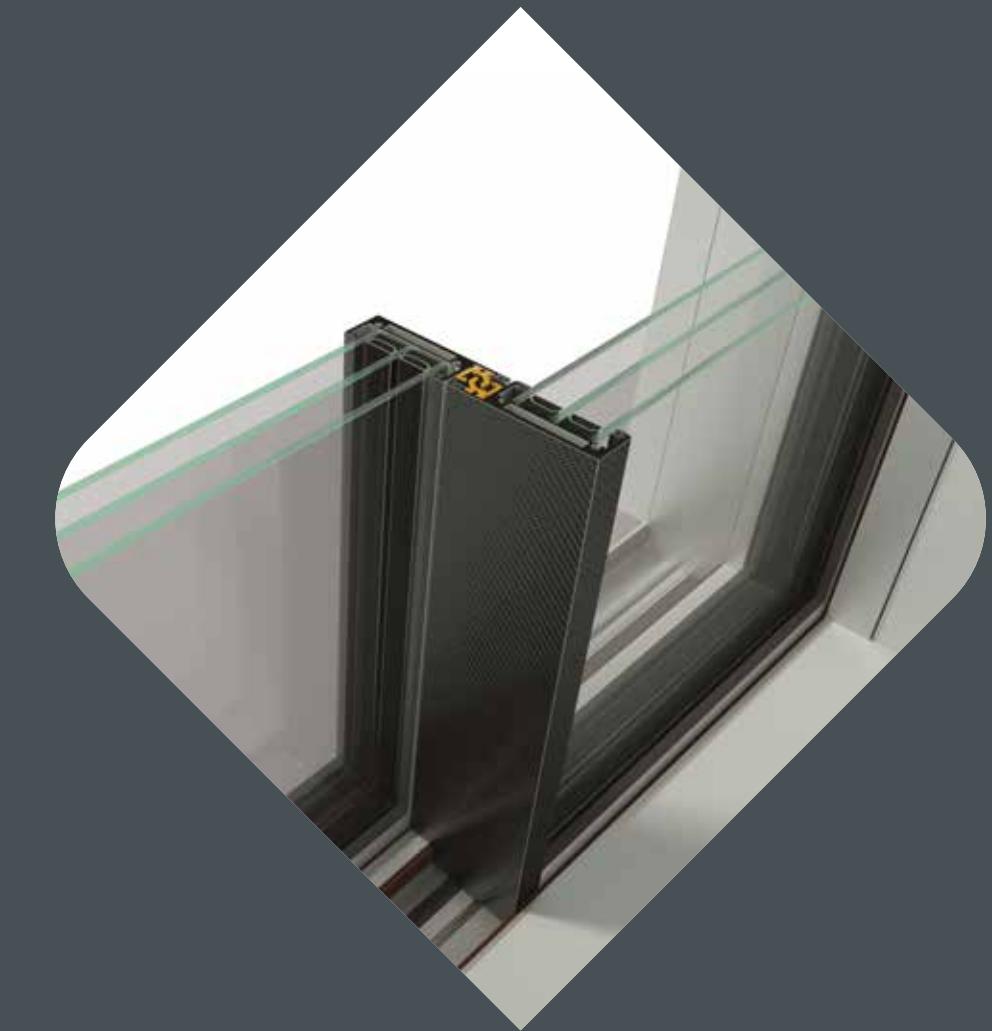
Alumil SUPREME
S650 e-MOTION



PRIVATE RESIDENCE / ATHENS, GREECE

TECHNICAL

CHARACTERISTICS



VISIBLE ALUMINIUM FACE WIDTH

CONCEALED PROFILES

45 mm

FRAME HEIGHT

174 mm

FRAME WIDTH

25 / 32 mm

SASH HEIGHTS

67.4 mm

SASH WIDTH

25 mm

INTERLOCKING PROFILE WIDTH

1000 Kg

SASH WEIGHT

36 / 46 mm

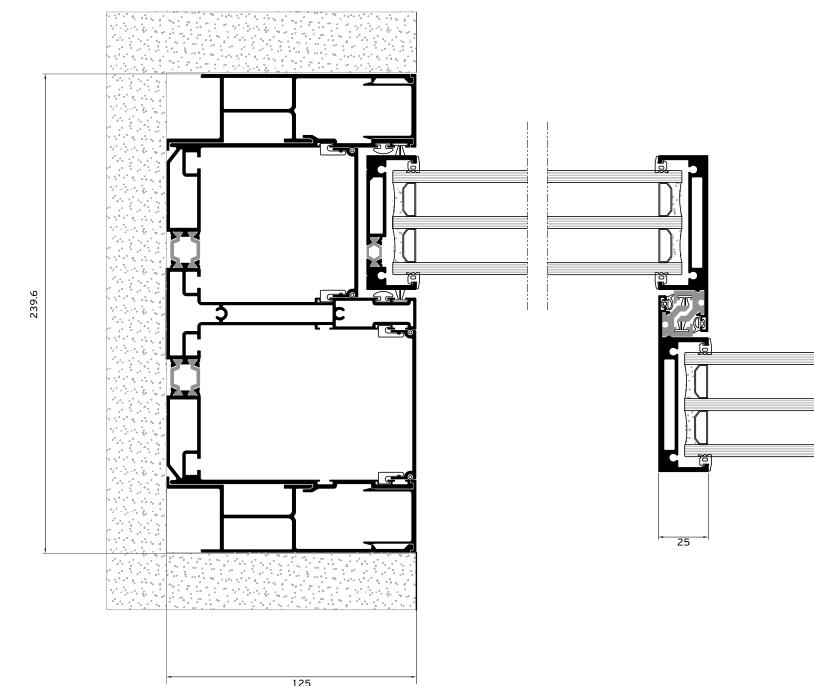
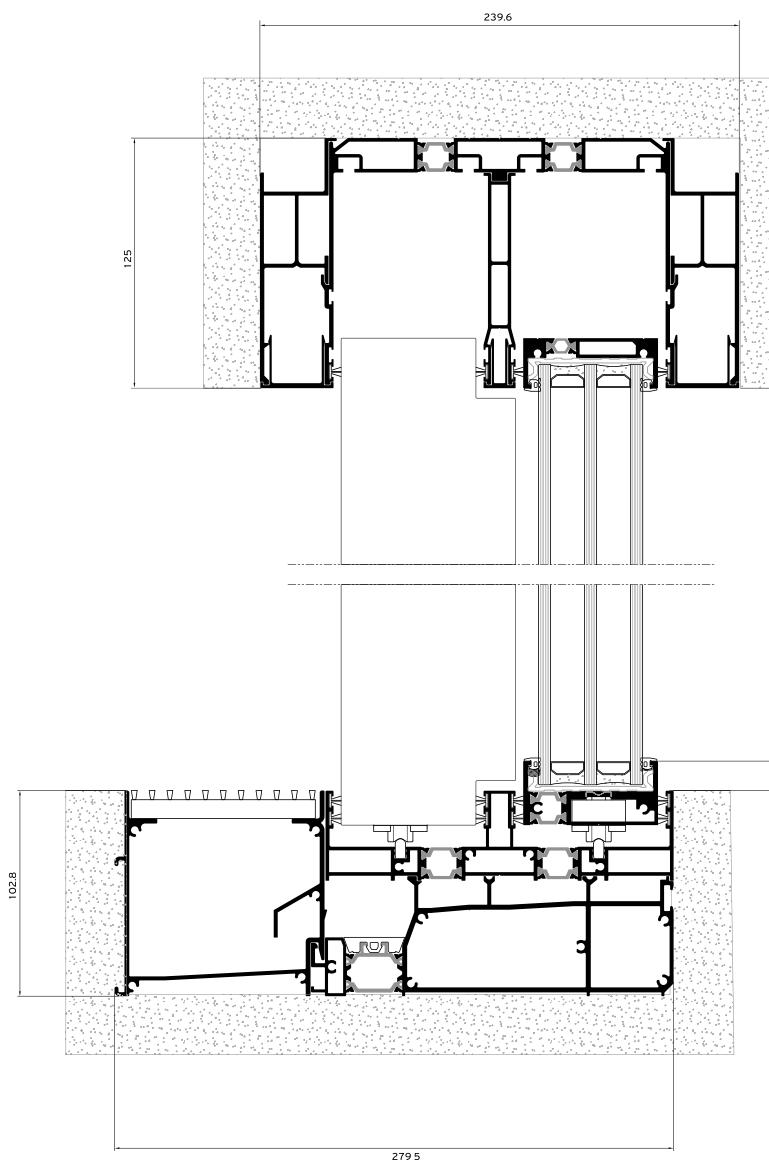
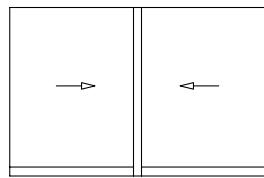
GLAZING

POLYAMIDES, PVC

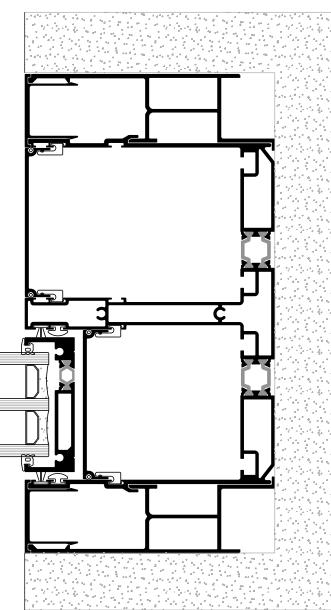
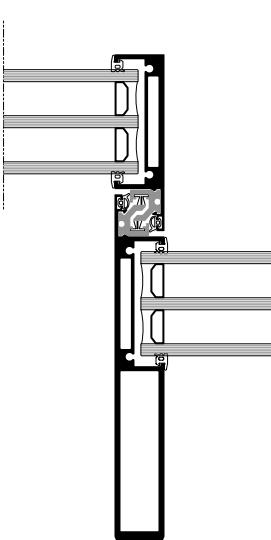
INSULATION

Alumil SUPREME
S650 e-MOTION

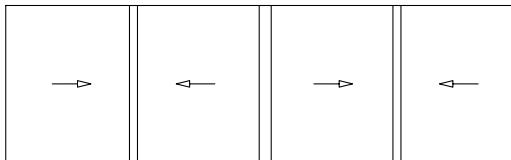
2 Sashes / 2 Track



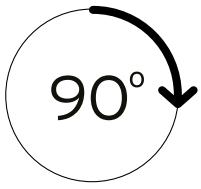
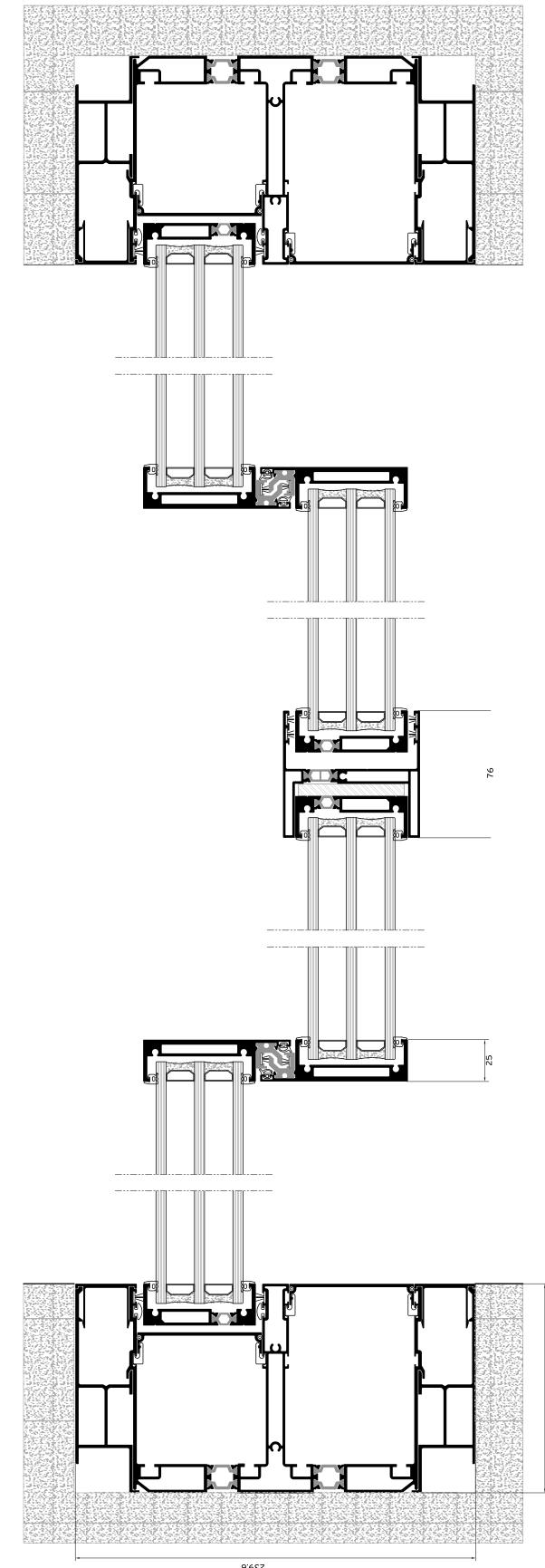
ALTERNATIVE



Alumil SUPREME
S650 e-MOTION

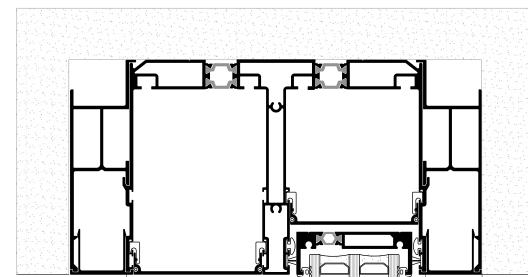
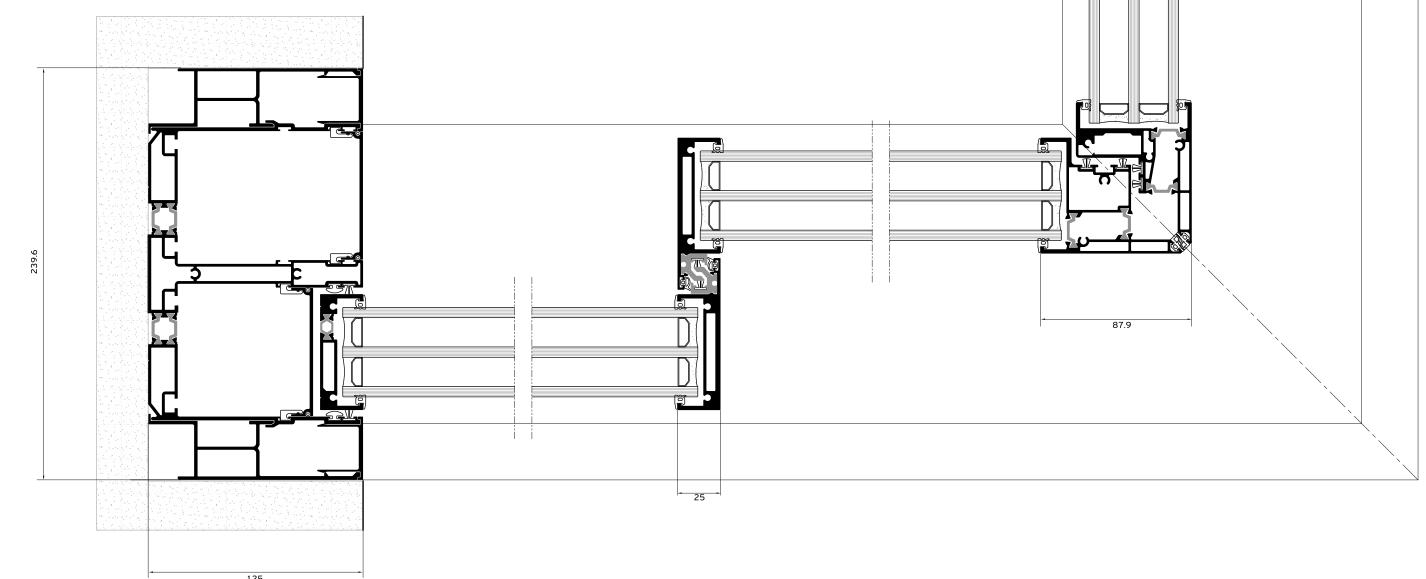
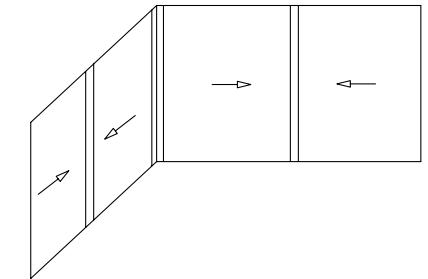


4 Sashes / 2 Track



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

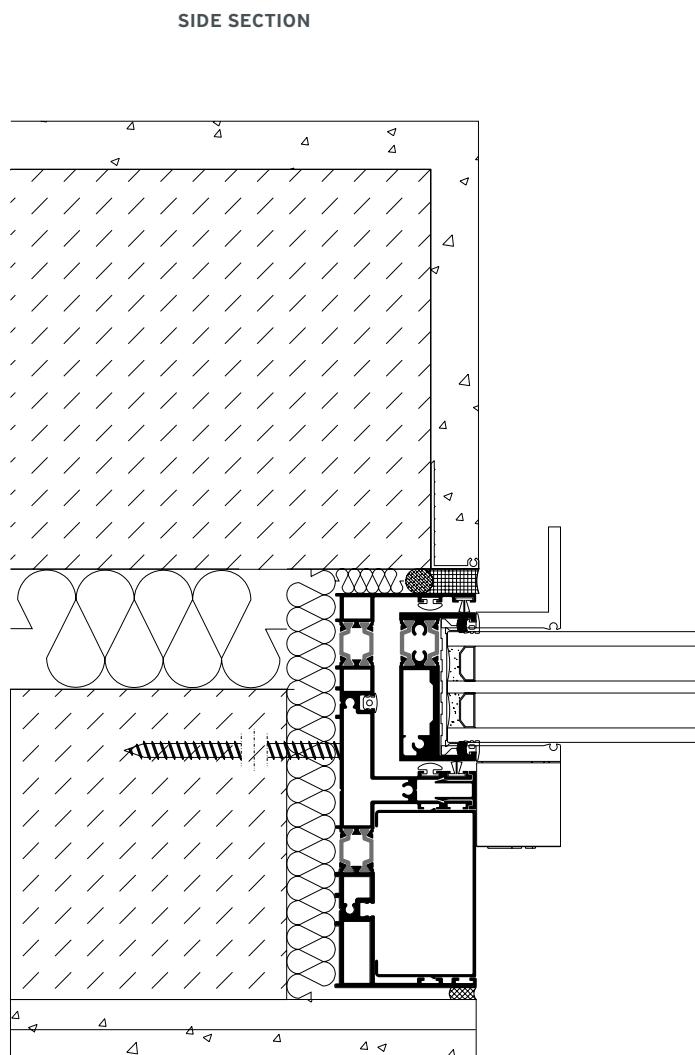
EXTERNAL CORNER



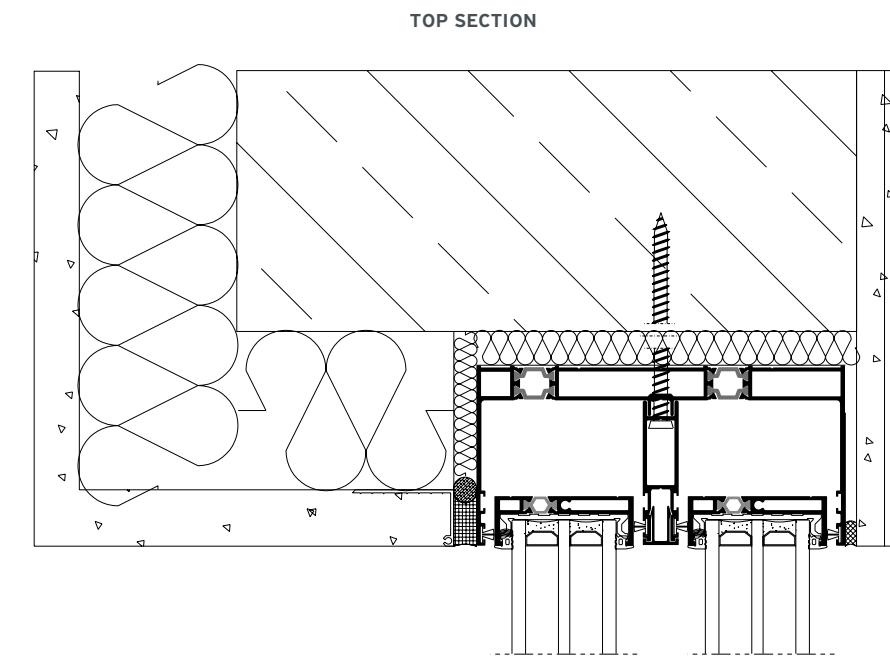
Installation

Alumil SUPREME
S650 PHOS

	PRECOMPRESSED MULTI-FUNCTION SEALING TAPE
	BACKER ROD
	HYBRID SEALANT OR NEUTRAL SILICONE
	STYRODUR HIGH DENSITY BOARD
	TILES
	MARBLE
	POLYURETHANE FOAM
	POLYSTYRENE
	WALL CONSTRUCTION
	WALL FINISH
	REINFORCED CONCRETE
	AIR WATER VAPOR BARRIER TAPE

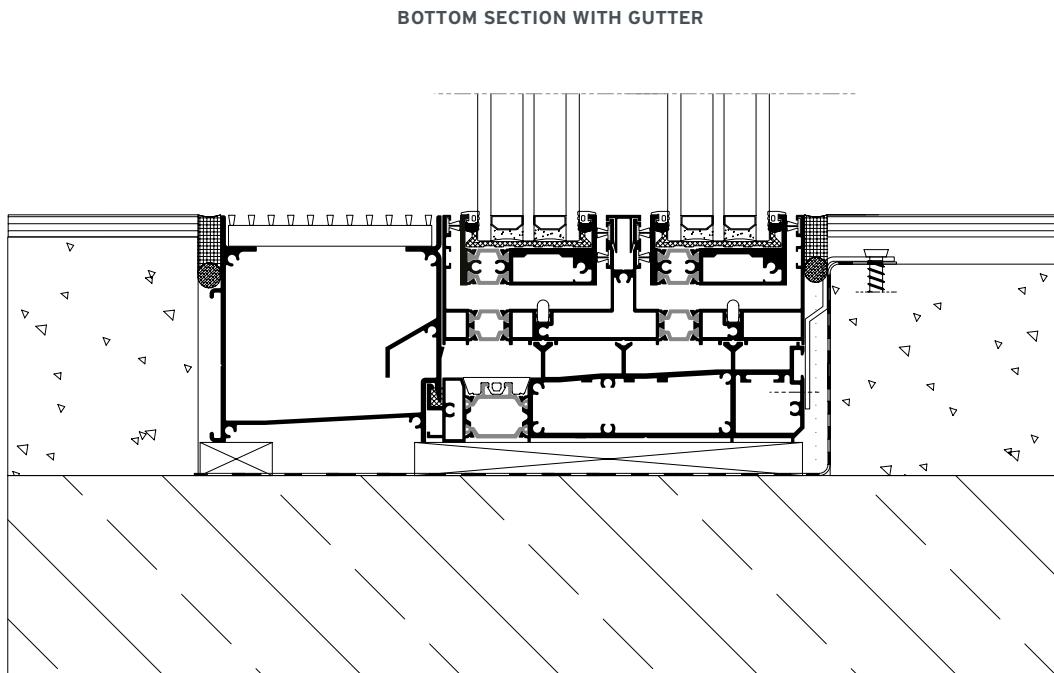


Alumil SUPREME
S650 PHOS

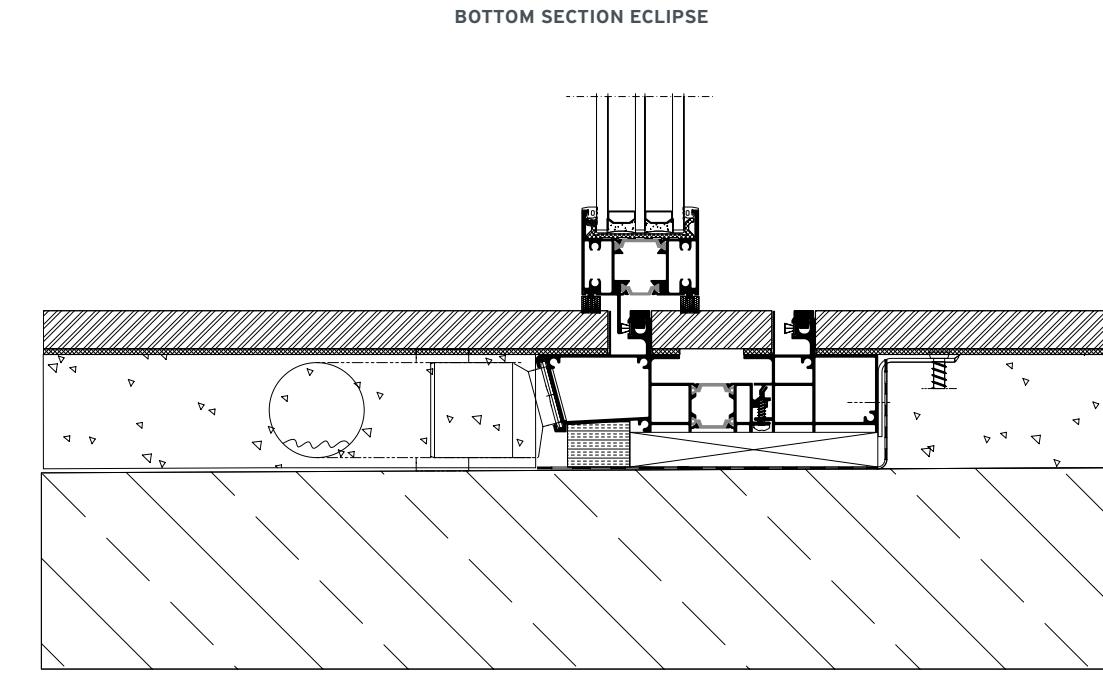


Installation

Alumil SUPREME
S650 PHOS

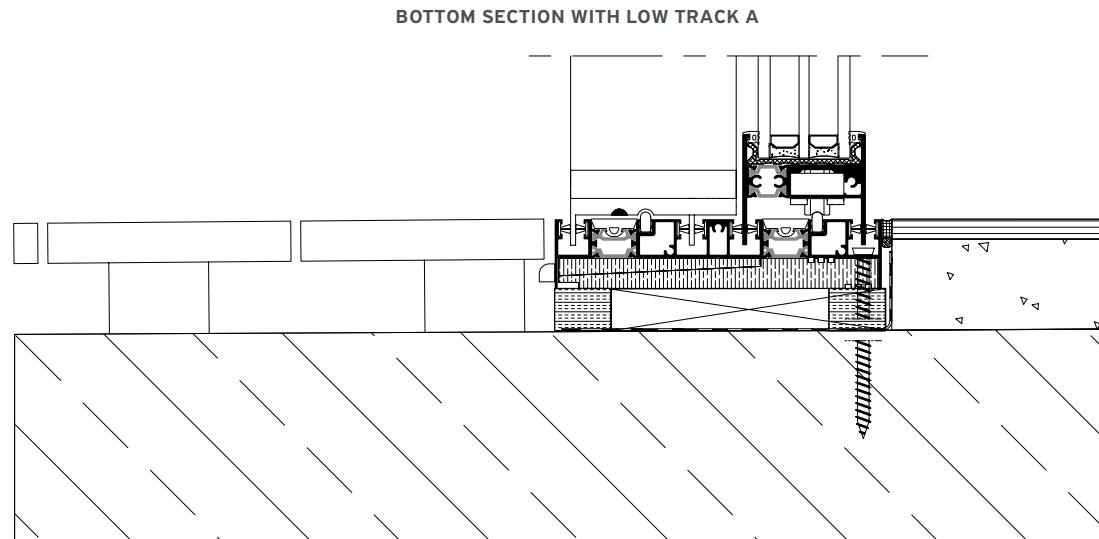


Alumil SUPREME
S650 eclipse

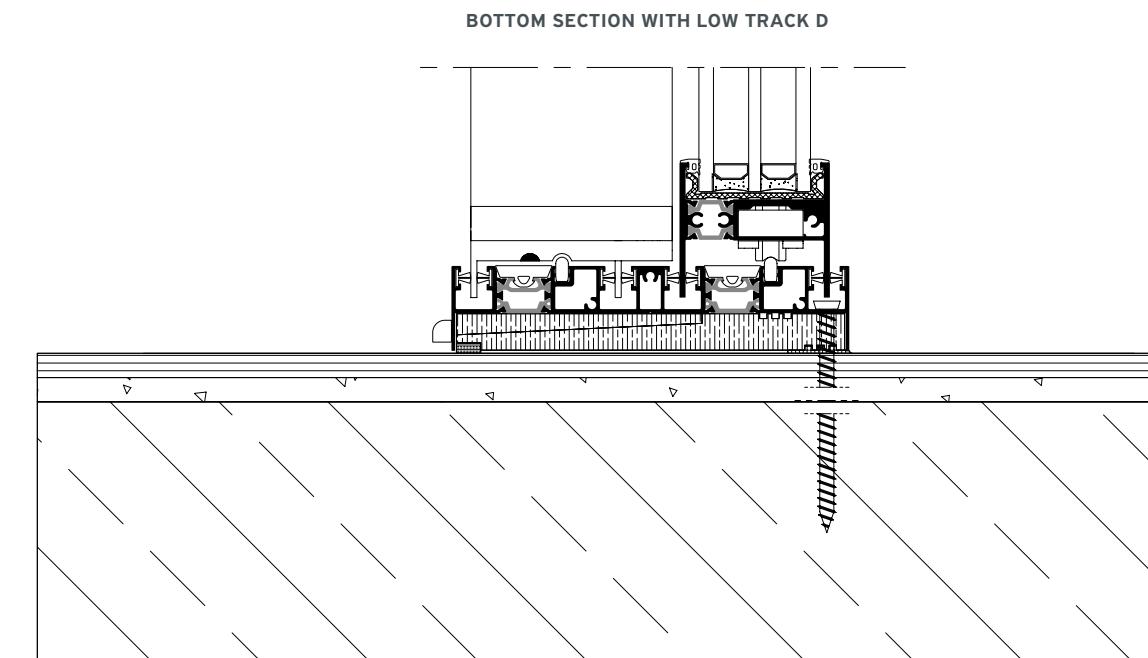
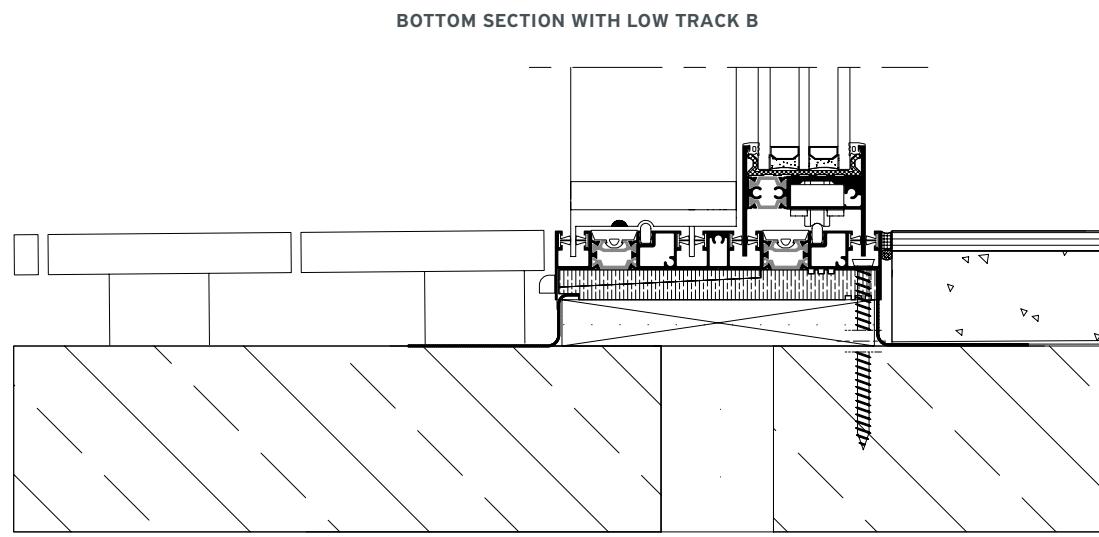
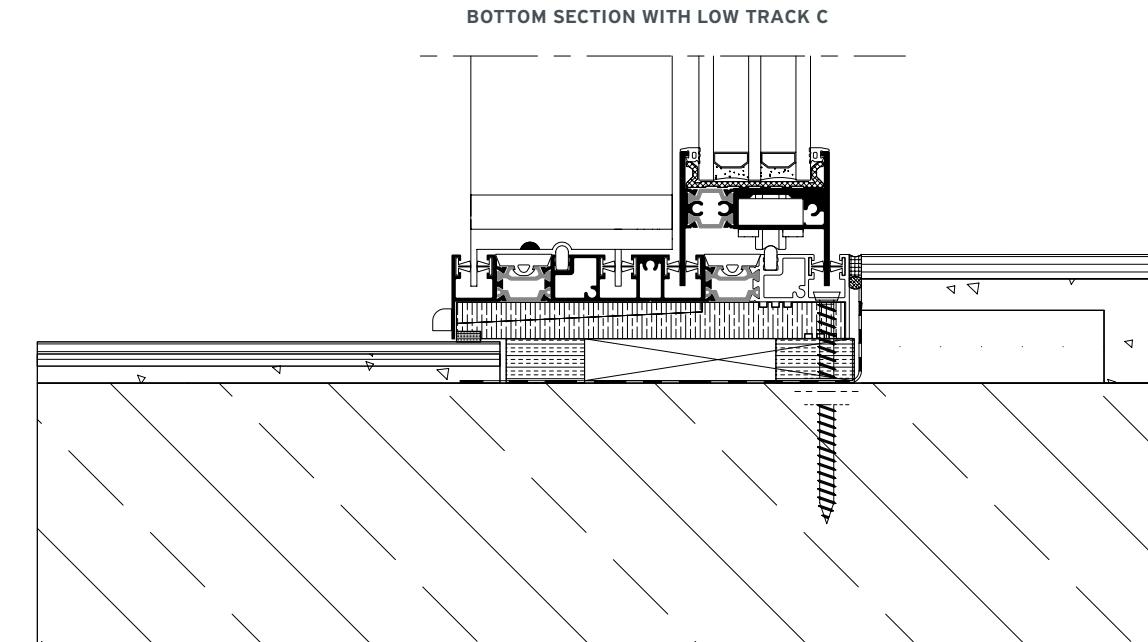


Installation

Alumil SUPREME
S650 PHOS

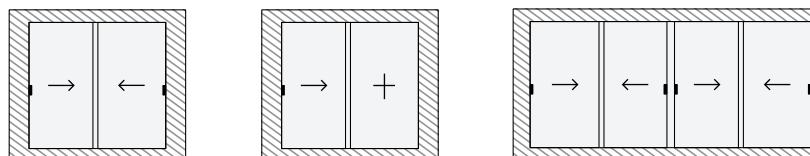


Alumil SUPREME
S650 PHOS

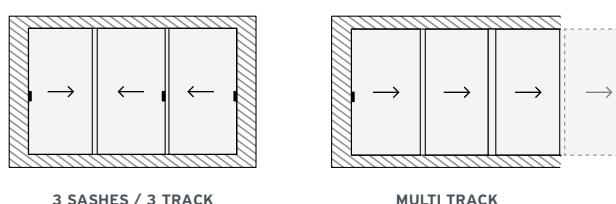


Applications

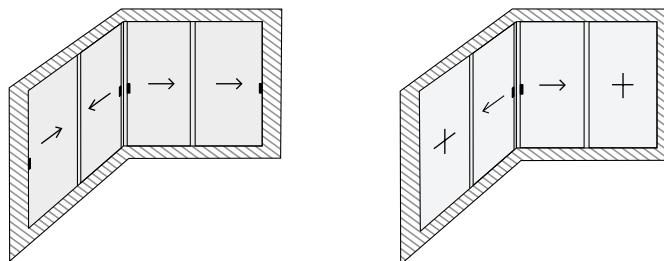
Alumil SUPREME S650 PHOS



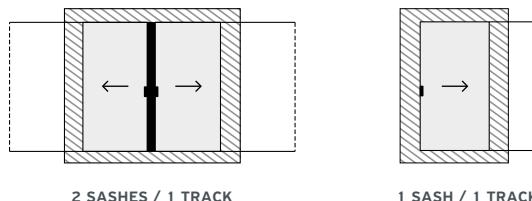
2 SASHES / 2 TRACK 1 SASH / FIXED 4 SASHES / 2 TRACK FIXED / 2 SASHES / FIXED



3 SASHES / 3 TRACK MULTI TRACK

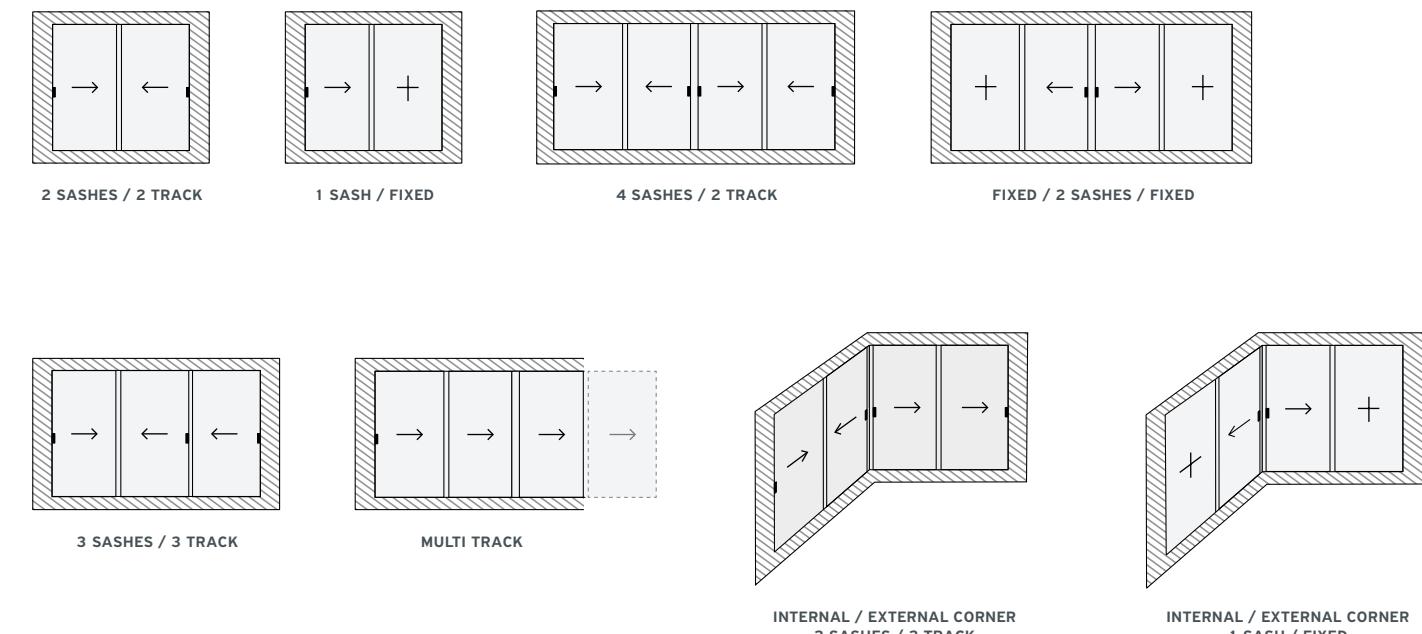


INTERNAL / EXTERNAL CORNER
2 SASHES / 2 TRACK INTERNAL / EXTERNAL CORNER
1 SASH / FIXED

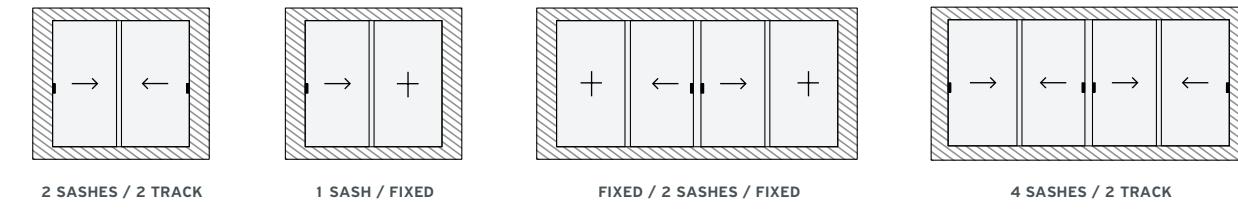


2 SASHES / 1 TRACK 1 SASH / 1 TRACK

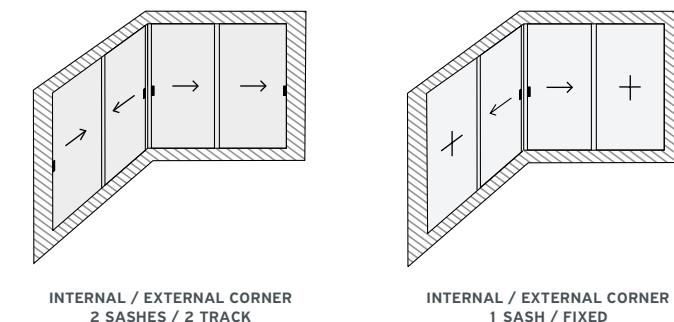
Alumil SUPREME S650 eclipse



Alumil SUPREME S650 e-MOTION



2 SASHES / 2 TRACK 1 SASH / FIXED FIXED / 2 SASHES / FIXED 4 SASHES / 2 TRACK



INTERNAL / EXTERNAL CORNER
2 SASHES / 2 TRACK INTERNAL / EXTERNAL CORNER
1 SASH / FIXED

TABLE OF PERFORMANCE

SUPREME S650 PHOS

CERTIFICATION	CLASSIFICATION									
 WATER TIGHTNESS EN 12208	1A (0 Pa)	2A (50 Pa)	3A (100 Pa)	4A (150 Pa)	5A (200 Pa)	6A (250 Pa)	7A (300 Pa)	8A (450 Pa)	9A (600 Pa)	
 AIR PERMEABILITY EN 12207		1 (150 Pa)		2 (300 Pa)		3 (600 Pa)		4 (600 Pa)		
 WIND RESISTANCE MAX TEST PRESSURE EN 12210		1 (400 Pa)		2 (800 Pa)		3 (1200 Pa)		4 (1600 Pa)	5 (2000 Pa)	
 WIND LOAD RESISTANCE TO FRONTAL DEFLECTION EN 12210		A (≤ 1/150)			B (≤ 1/200)			C (≤ 1/300)		
 SOUND REDUCTION EN14351	41dB									
 BURGLAR RESISTANCE EN 1627 - 1630	RC 1			RC 2				RC 3		

Alumil has also certified the systems SUPREME S650 according to AAMA & AS standards which are available upon request.

SUPREME S650 eclipse

CERTIFICATION	CLASSIFICATION									
 WATER TIGHTNESS EN 1208	1A (0 Pa)	2A (50 Pa)	3A (100 Pa)	4A (150 Pa)	5A (200 Pa)	6A (250 Pa)	7A (300 Pa)	8A (450 Pa)	9A (600 Pa)	
 AIR PERMEABILITY EN 12207		1 (150 Pa)		2 (300 Pa)		3 (600 Pa)		4 (600 Pa)		
 WIND LOAD RESISTANCE MAX. TEST PRESSURE EN 12210		1 (400 Pa)		2 (800 Pa)		3 (1200 Pa)		4 (1600 Pa)	5 (2000 Pa)	
 WIND LOAD RESISTANCE TO FRONTAL DEFLECTION EN 12210		A (≤ 1/150)			B (≤ 1/200)			C (≤ 1/300)		
 SOUND REDUCTION EN14351	46dB									

SUPREME S650 e-MOTION

CERTIFICATION	CLASSIFICATION									
 WATER TIGHTNESS EN 12208	1A (0 Pa)	2A (50 Pa)	3A (100 Pa)	4A (150 Pa)	5A (200 Pa)	6A (250 Pa)	7A (300 Pa)	8A (450 Pa)	9A (600 Pa)	E1050 (1050 Pa)
 AIR PERMEABILITY EN 12207		1 (150 Pa)		2 (300 Pa)		3 (600 Pa)		4 (600 Pa)		4 (600 Pa)
 WIND RESISTANCE MAX TEST PRESSURE EN 12210		1 (400 Pa)		2 (800 Pa)		3 (1200 Pa)			4 (1600 Pa)	5 (2000 Pa)
 WIND LOAD RESISTANCE TO FRONTAL DEFLECTION EN 12210		A (≤ 1/150)			B (≤ 1/200)			C (≤ 1/300)		
 BURGLAR RESISTANCE EN 1627 - 1630	RC 1			RC 2				RC 3		

THERMAL	DIMENSIONS IN MM (w x h)	U_w in W/m ² K ($U_g = 0,6$)	U_w in W/m ² K ($U_g = 0,8$)	U_w in W/m ² K ($U_g = 1,1$)
2 SASHES / 2 TRACK	2600 x 2400	1,14	1,32	1,59
2 SASHES / 2 TRACK LOW THRESHOLD	2600 x 2400	1,15	1,32	1,59
4 SASHES / 2 TRACK	5200 x 2400	1,12	1,30	1,57

Thermal performance for non-installed frames certified according to EN ISO 10077-2



SOUND REDUCTION
EN14351

REFERENCE PROJECTS

1. PRIVATE RESIDENCE / KOS, GREECE
2. PRIVATE RESIDENCE / THESSALONIKI, GREECE
3. PRIVATE RESIDENCE / ATHENS, GREECE

4. SKA VILLA LAGOS / NIGERIA, AFRICA
5. PRIVATE RESIDENCE / AEGINA, GREECE
6. MAYIA EXCLUSIVE RESORT & SPA / RHODES, GREECE



1



2



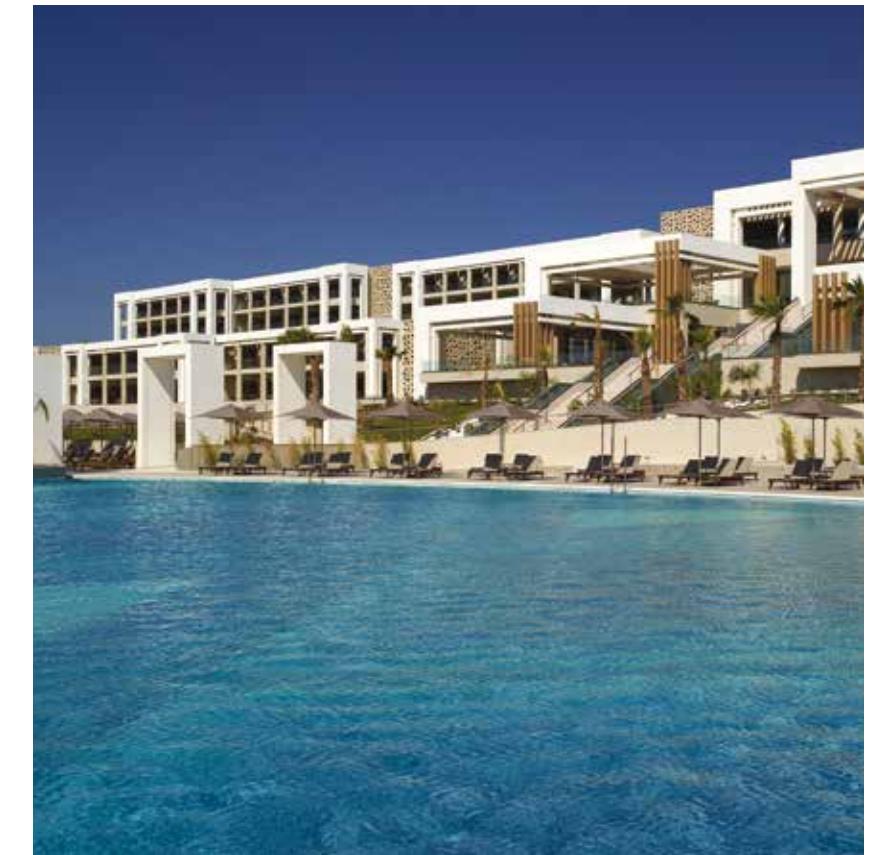
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3



5



6

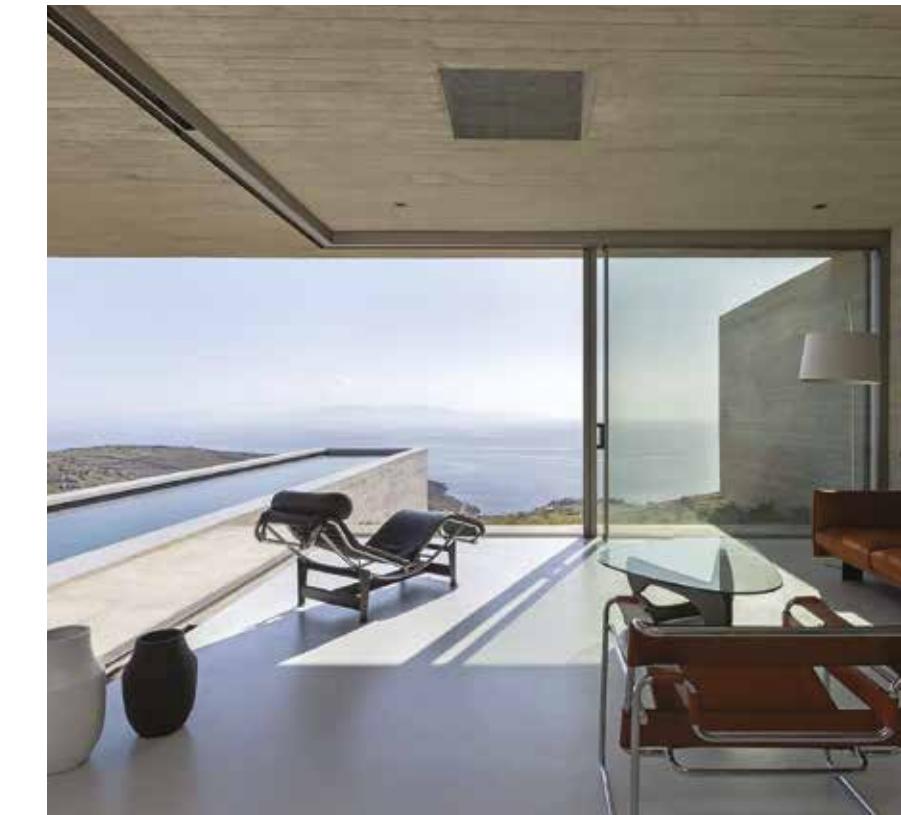
REFERENCE PROJECTS

7. EL HOUSE / CYPRUS
 8. H 34 / VOULA, ATHENS
 9. ALKYONIDES VILLAS / ZANTE, GREECE

10. THE LAP POOL HOUSE / TINOS, GREECE
 11. HAESLEY CONDOMINIUM / SOUTH KOREA
 12. ARISTOTELOUS RESIDENCE / THESSALONIKI, GREECE



7



10



11



8



9



12

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A large, modern architectural photograph of a building's exterior. The building features a dark, angular facade and large glass windows. In front of the building is a long, rectangular swimming pool that appears to be infinity-edged, reflecting the sky and surrounding environment. The scene is set during dusk or dawn, with a warm glow from the interior lights of the building and the sky showing a gradient from blue to orange. A yellow diagonal bar runs from the top right corner towards the bottom left.

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