![Alumil logo] **Alumil**
Building excellence every day

![Alumil logo] **Alumil** ▶ SMARTIA
S560

CONTENTS

SMARTIA S560

The smartest solution
for Lift & Slide or
regular sliding windows
and patio doors.

Each new situation

requires a new architecture.

ΛΙΠΜΙL ▶ SMARTIA
S560

ALUMIL's **thermally insulated** Lift & Slide or sliding system SMARTIA S560

presents the ideal solution for **robust constructions,** offering high functionality and **top performance.**

- Slim profile with a basic system depth of 56 mm.

- Maximum natural light ensured by a 49 mm of visible aluminium face width at the interlocking profile.

- Convenient access provided by the low threshold, making it perfect for renovations (version SMARTIA S560 LT).

- Versatile construction options, offering both Lift & Slide and regular sliding doors with the same design.

- Enhanced water drainage with extra concealed profiles available.

- Wide variety of typologies, making it an ideal choice for renovations and hotel solutions.

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VISIBLE ALUMINIUM FACE WIDTH	108,5 / 122,5 mm
FRAME HEIGHT	31 / 45 mm
FRAME WIDTH	136 mm
SASH HEIGHT	86 / 96,5 mm
SASH WIDTH	56 mm
INTERLOCKING PROFILE WIDTH	49 / 96 / 106,5 mm
SASH WEIGHT	UP TO 90, 200, OR 300 KG LIFT & SLIDE UP TO 180 KG SLIDING
GLAZING	FROM 22 TO 45 mm
INSULATION	POLYAMIDES 24 mm & 16 mm, PVC, INSULATION FOAM

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Modern and elegant aesthetics

with only **49 mm** visible face width at the interlocking profile

THE ALTERNATIVE VERSION FEATURING A LOW THERMALLY INSULATED THRESHOLD OF **JUST 31 MM,** PROVIDES EFFORTLESS AND SECURE ACCESS, MAKING THE SYSTEM AN **IDEAL CHOICE FOR RENOVATION PROJECTS.**

SMARTIA S560
Standard Threshold

SMARTIA S560 LT
Low Threshold

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Thermally insulated profiles with **glass-reinforced polyamides PA 6.6** incorporated in both the frame and the sash with a 24 mm and 16 mm width.

The unique **PVC** profiles contribute to excellent **thermal insulation,** water tightness, and UV protection. This ensures remarkable durability and texture retention even under intense exposure to solar radiation

Wide variety of stiffeners for reinforcement at the interlocking position internally and/or externally, according to the wind load specs of each project.
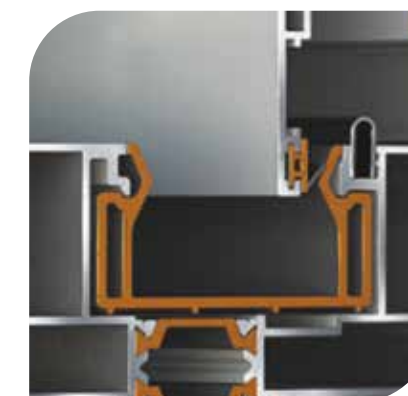
Wide variety of infill thickness for double or triple glazing from **22 mm up to 45 mm.**

The special design of **aluminium glazing support** transfers loads directly to the rollers, maximising the functionality and the smooth glide of the sliding sashes.

The system ensures an **exceptionally noiseless and flawless operation** of the sashes, effortlessly accommodating large and heavy constructions through the use of inox rails.

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Locking system

SLIDING VERSION

High-security system thanks to multiple locking points and cylinder lock option.

LIFT & SLIDE VERSION

Ideal for heavy-duty constructions **up to 300 Kg** per sash cooperating with the Lift & Slide mechanism which offers:

- Outstandingly smooth and quiet movement of the sliding sashes.

- High anti-burglary protection, made possible by robust hardware components and concealed locking points.

- Effortless instead of easy operation even of large and heavy sashes.

- Enhanced safety with the cooperation of a silent close accessory, ensuring soft and secure closure of the sashes.

Handles

The system comes with exquisitely designed branded handles, crafted by world-class specialists in collaboration with ALUMIL, ensuring unparalleled quality and flawless performance. These handles, meticulously crafted from aluminium, offer a wide range of standard colours to choose from, allowing you to customise your system to perfection.
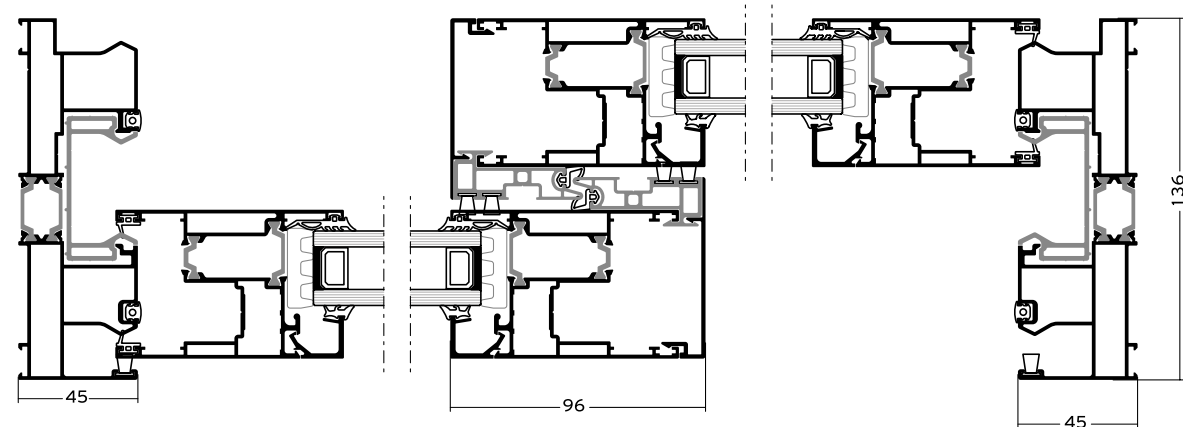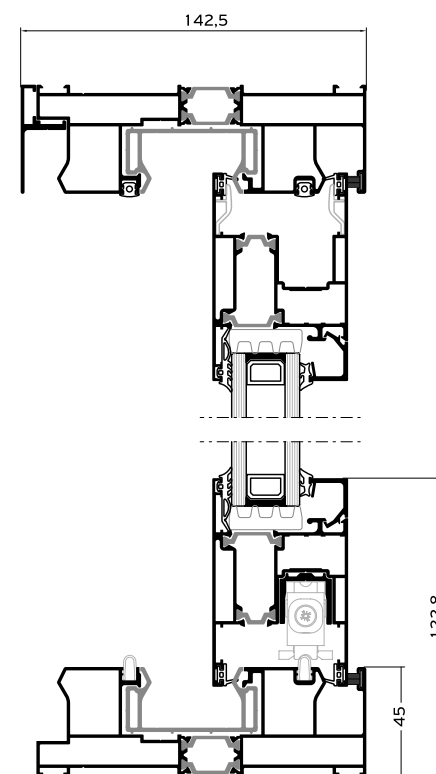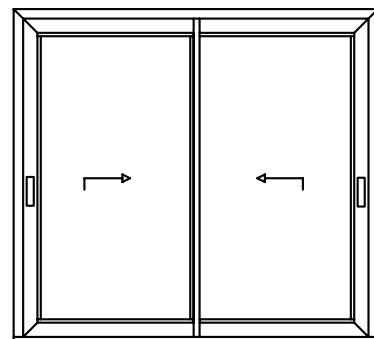
ΛlumiL ➤ SMARTIA
S560

2 Sashes / **2** Track

2 Sashes / **2** Track
Low Threshold

142,5

122,8

45

45

96

45

136

ALTERNATIVE

49

142,6

49

126,5

108,5

31

136

108,5

49

136

SMARTIA
S560

3 Sashes / **3** Track

3 Sashes / **3** Track / Low Threshold

214.5

122.5

45

208

96

122.5

214,6

49

108,5

31

208

208

96

96

108,5
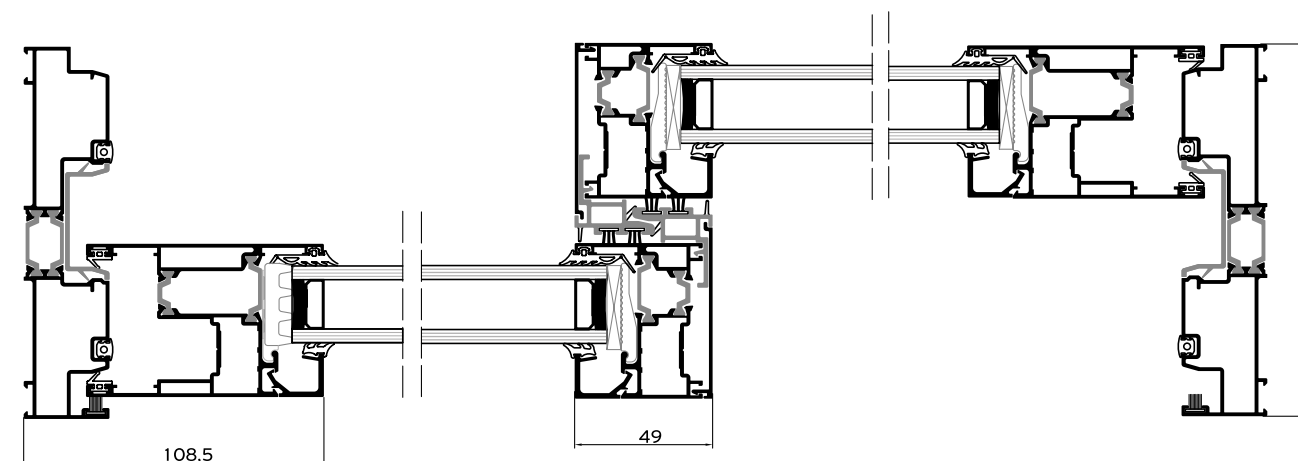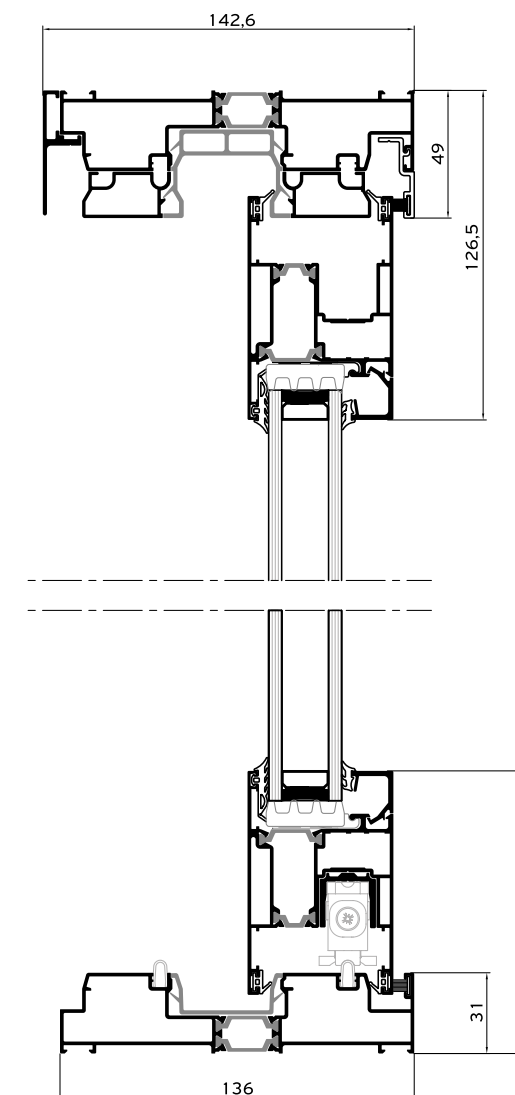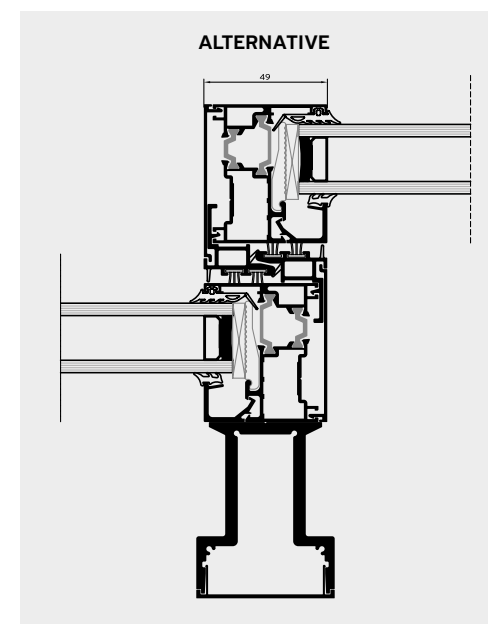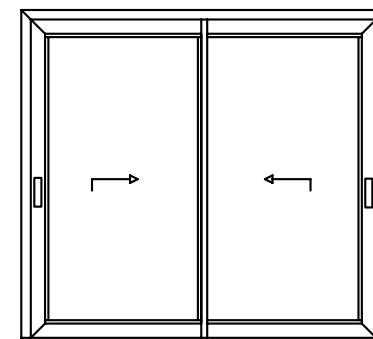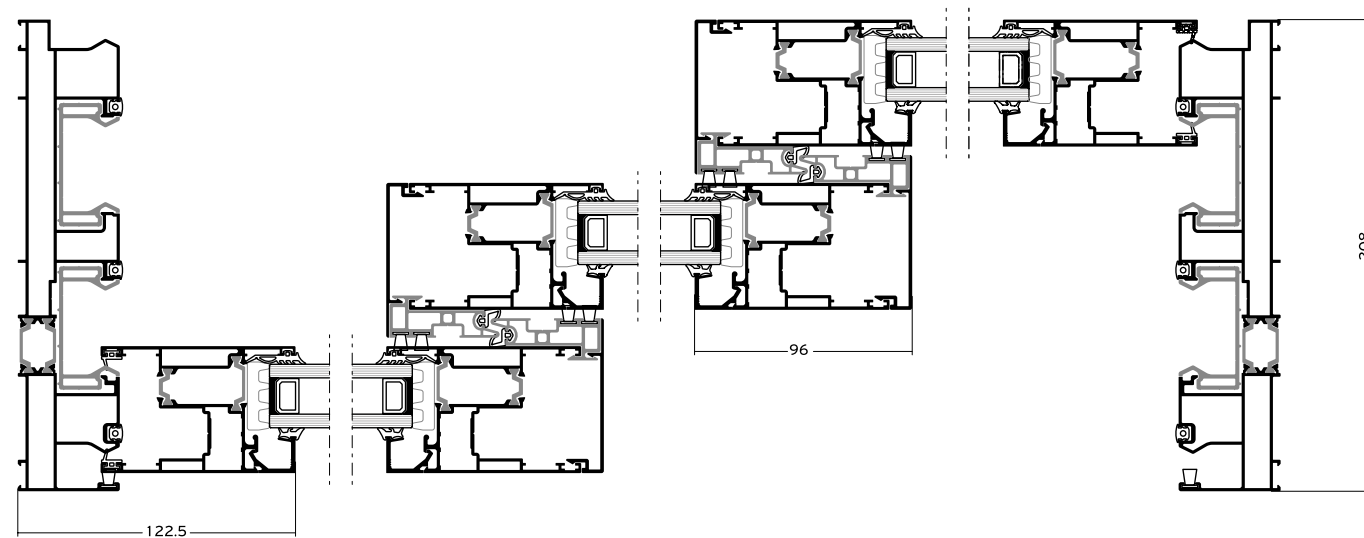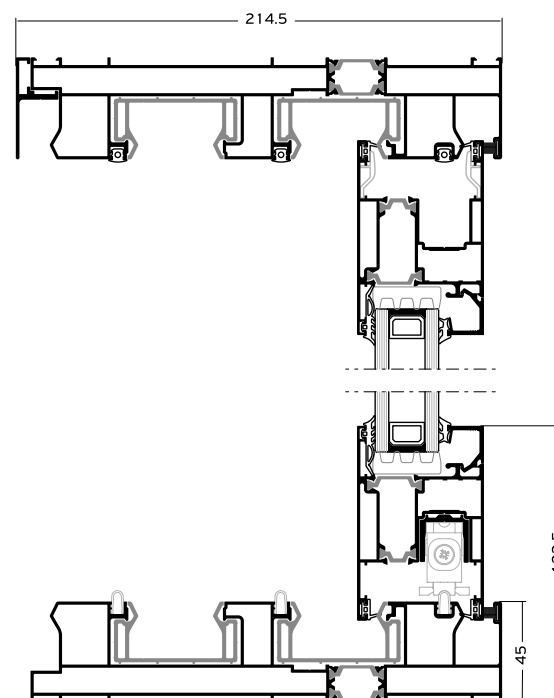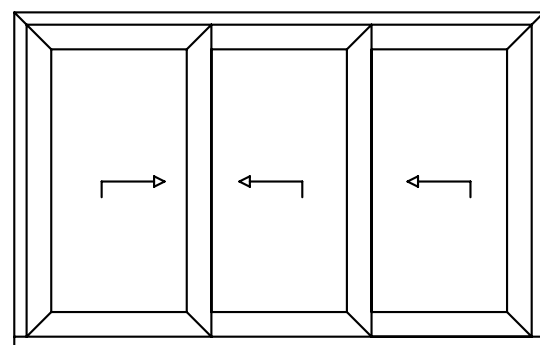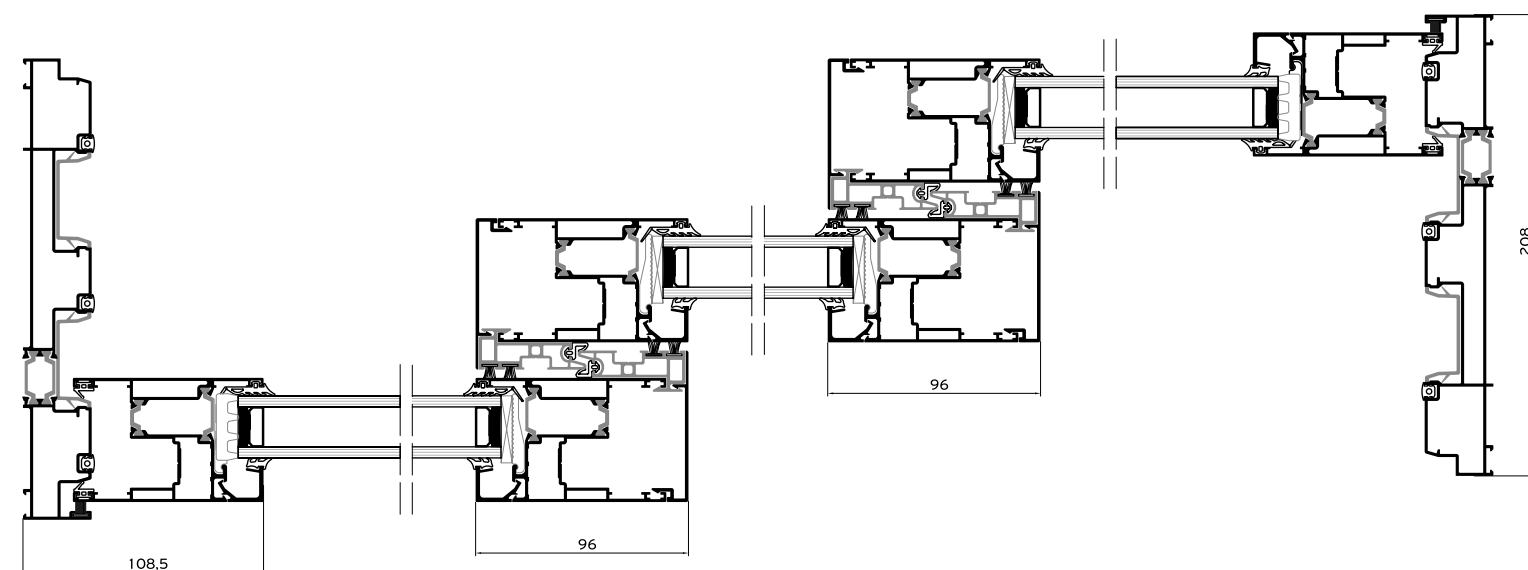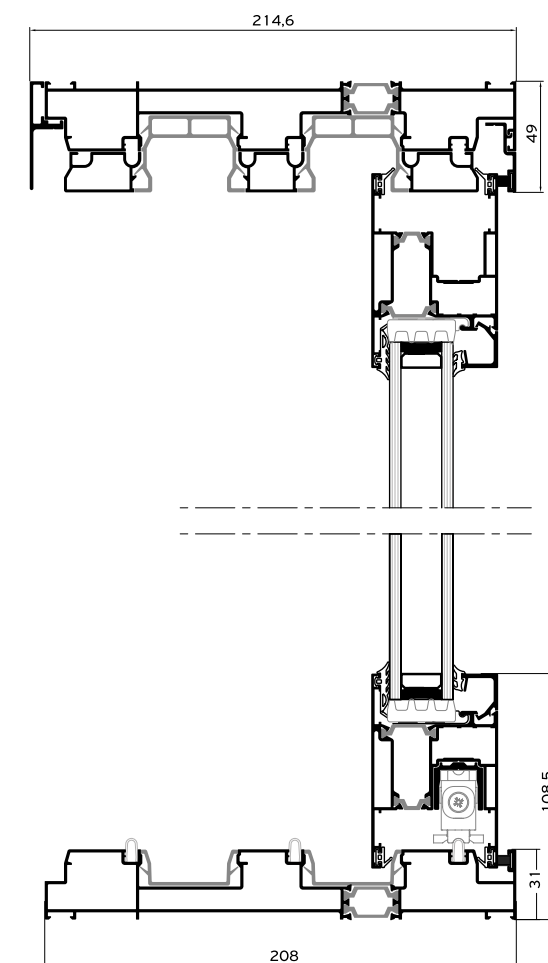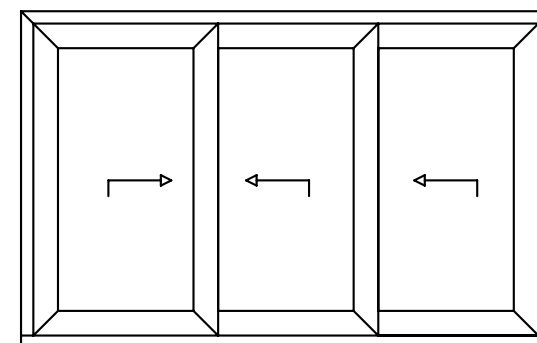
SMARTIA
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POCKET WINDOW
2 Sashes / **1** Track /
Flyscreen / Shutter
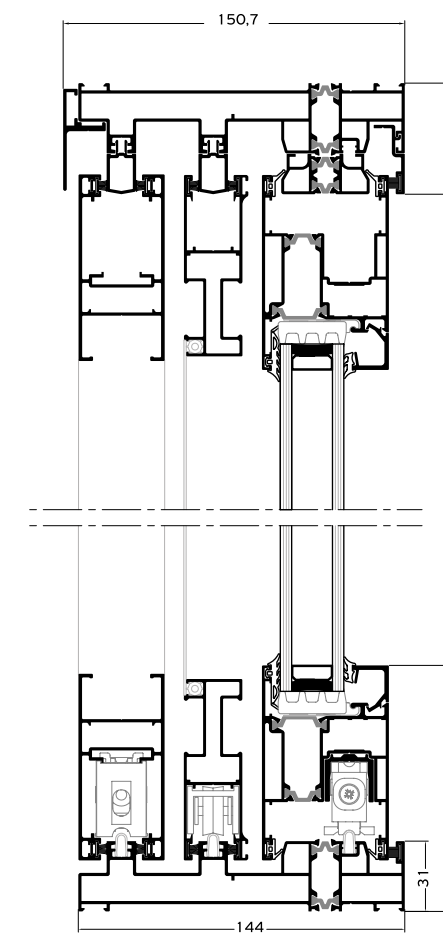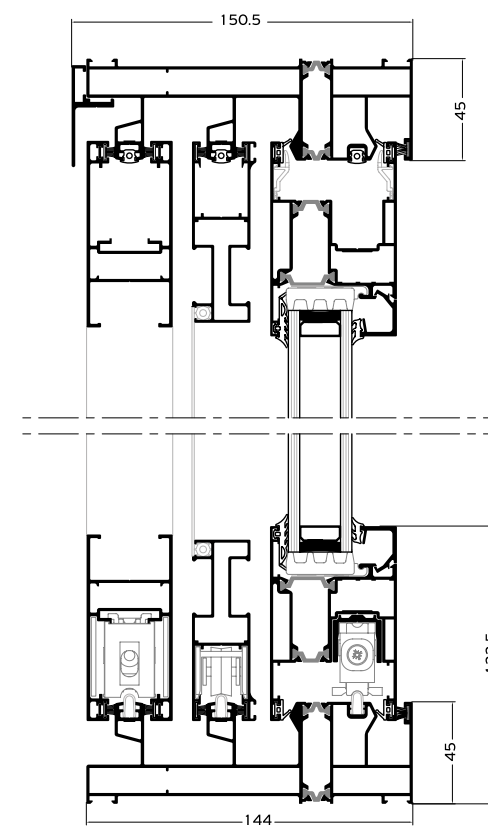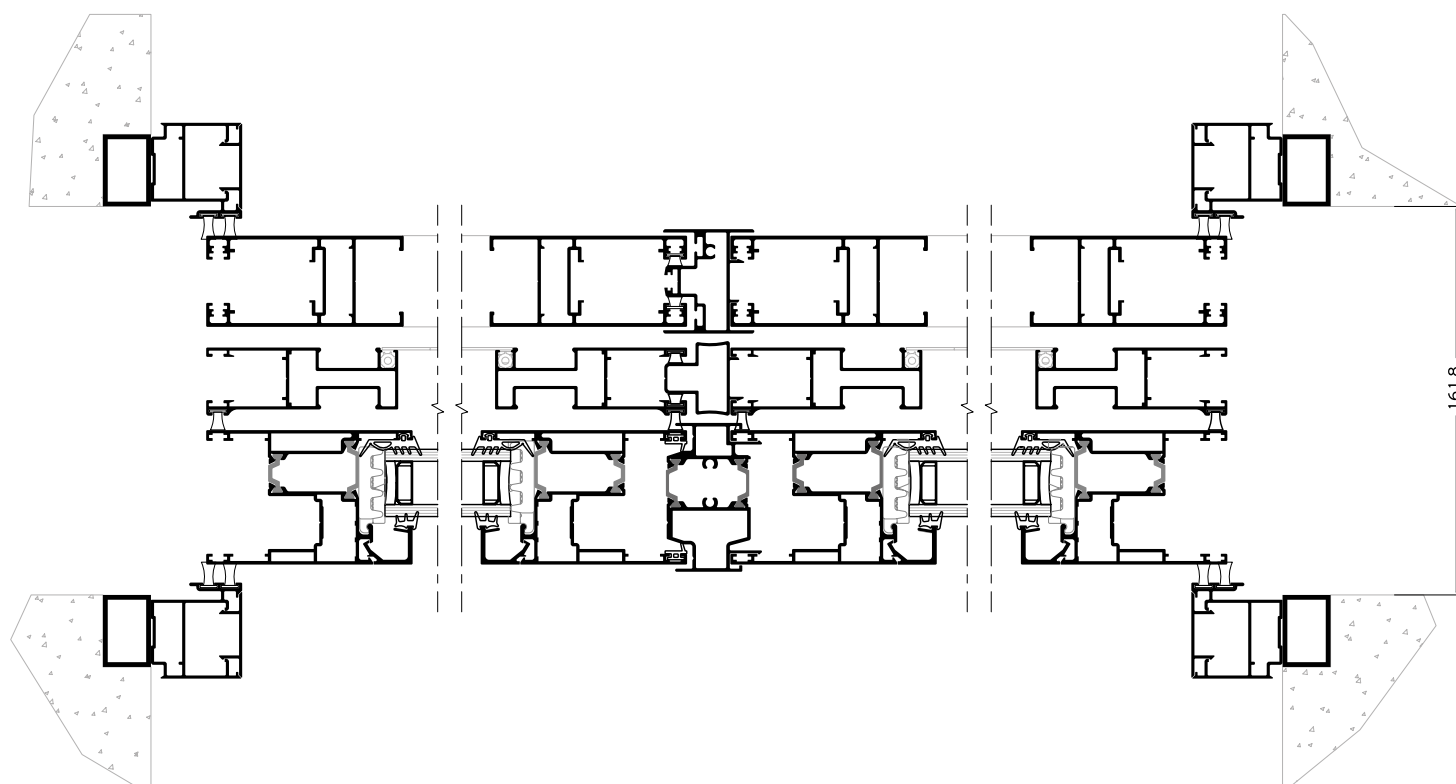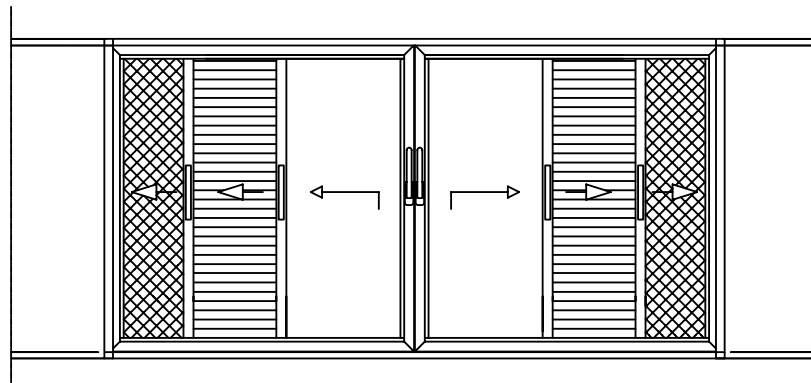
LOW THRESHOLD

SMARTIA S560

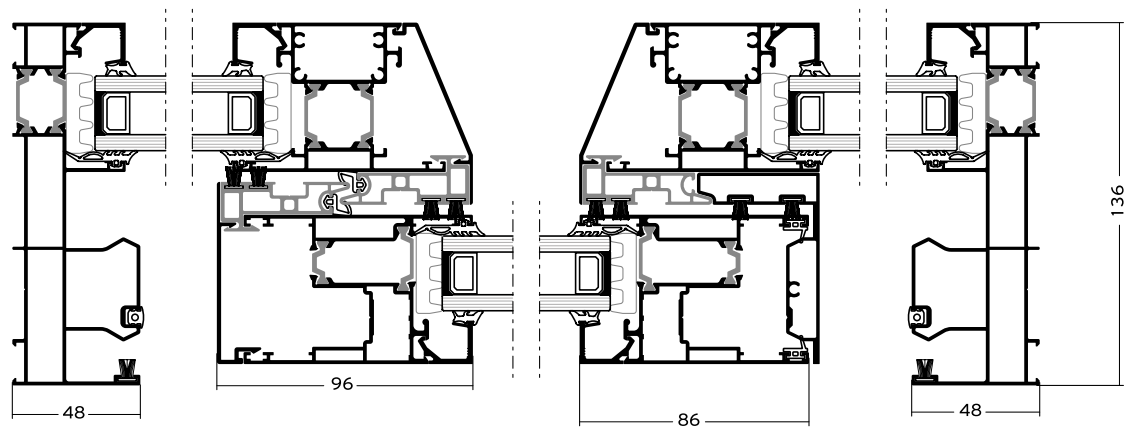**1** sash / Fixed light
Structural
*Custom made solution
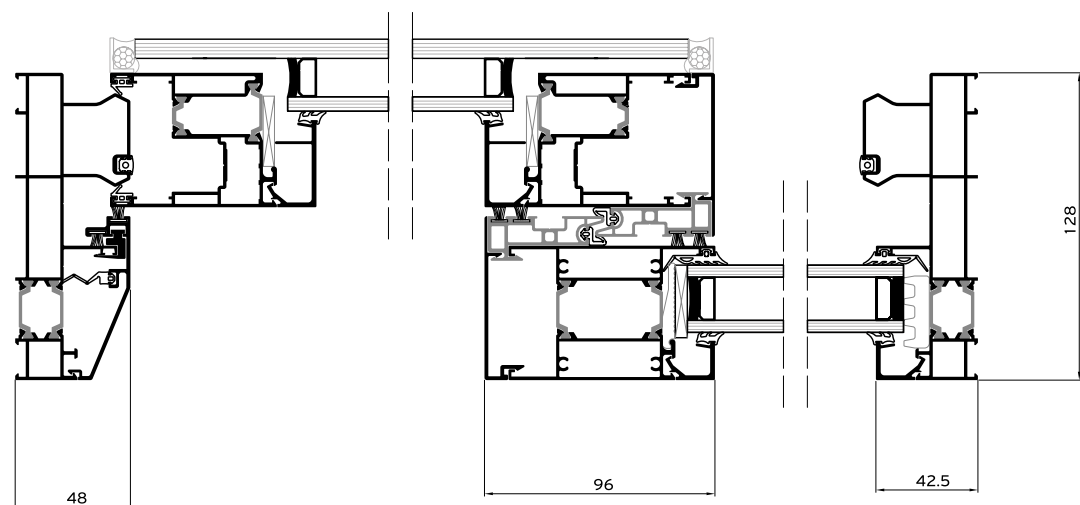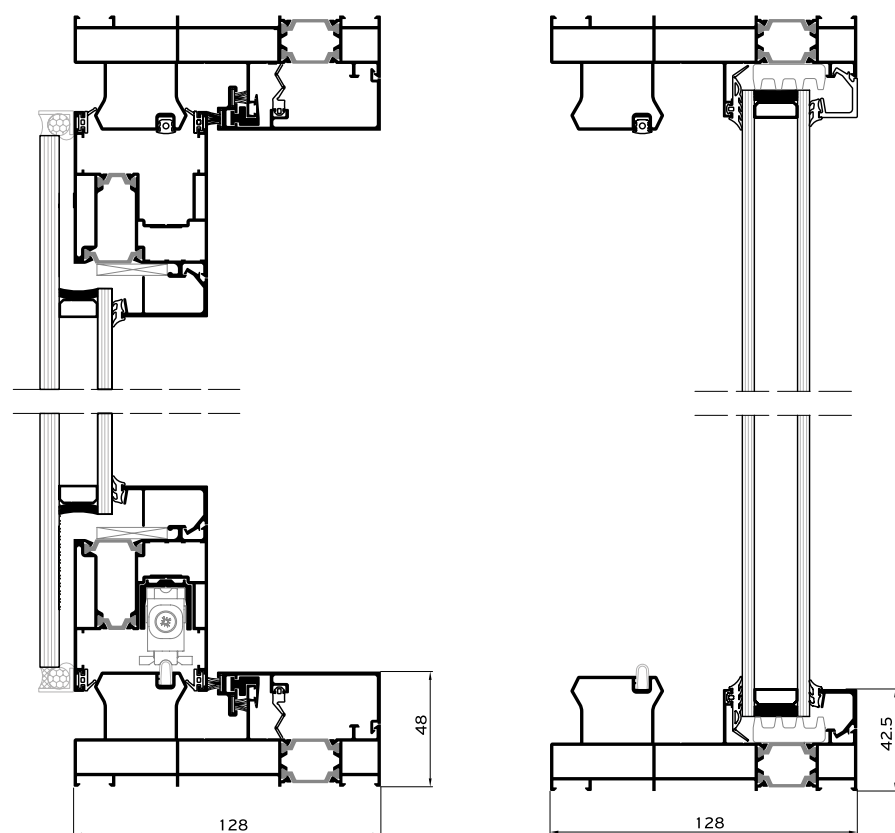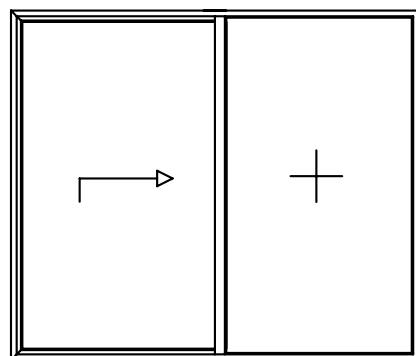
1 sash / Fixed light
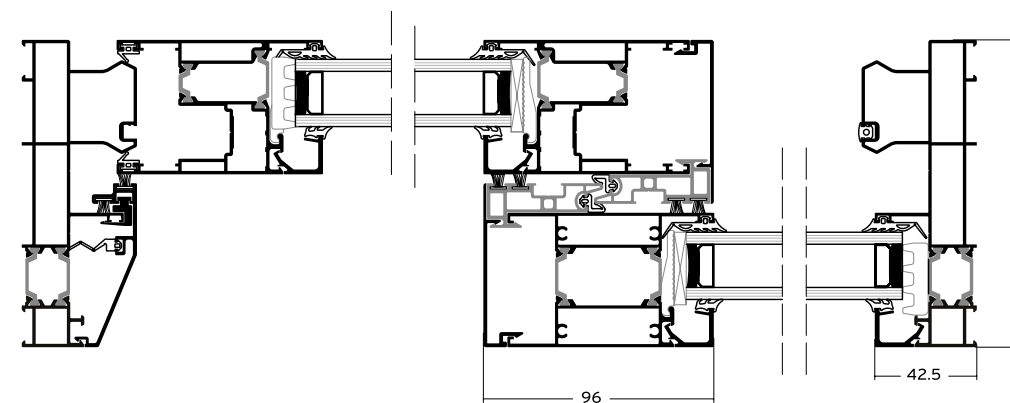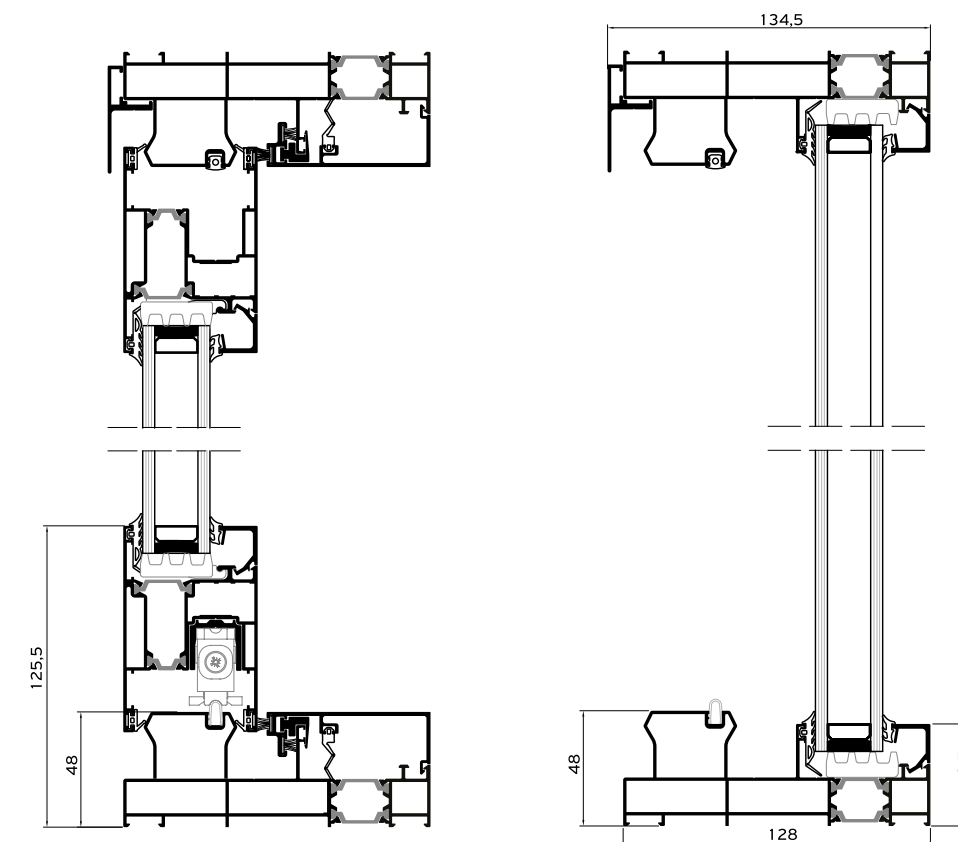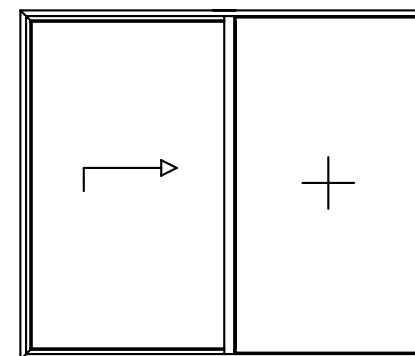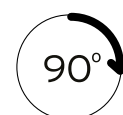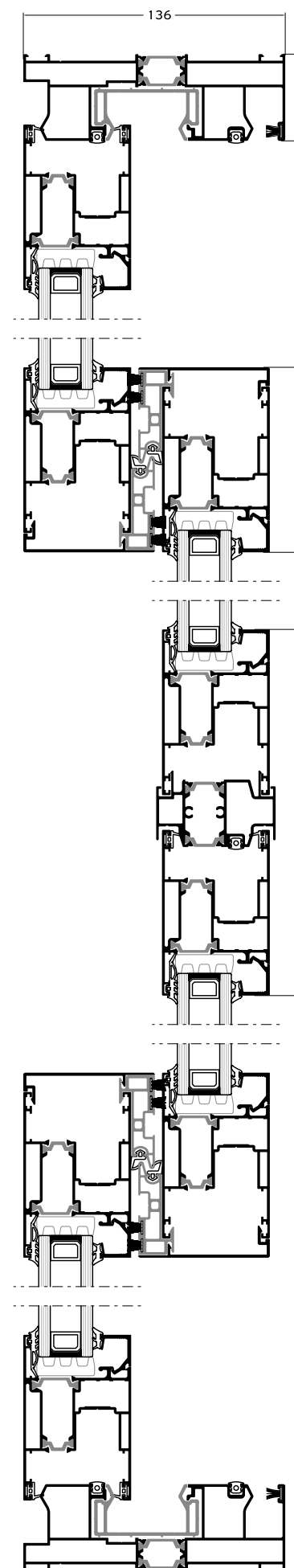
Fixed light / **1** sash / Fixed light

4 Sashes / **2** Track

136

45

96

190

96

136

48

96

86

48

90°
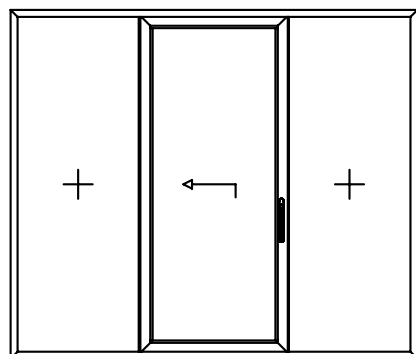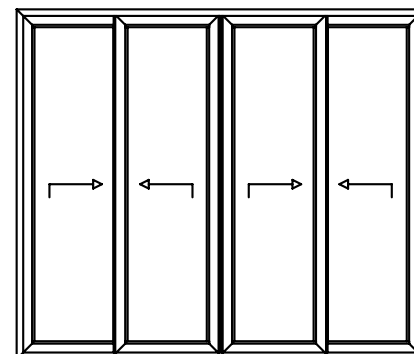
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MULTI TRACK
Low Threshold

CORNER WINDOW
External / Internal corner

NO LIMITS AT THE NUMBER OF THE HORIZONTAL SASHES
WITH THE MULTI-TRACK TYPOLOGIES

90°

108.5

96

136

122.5

96

191
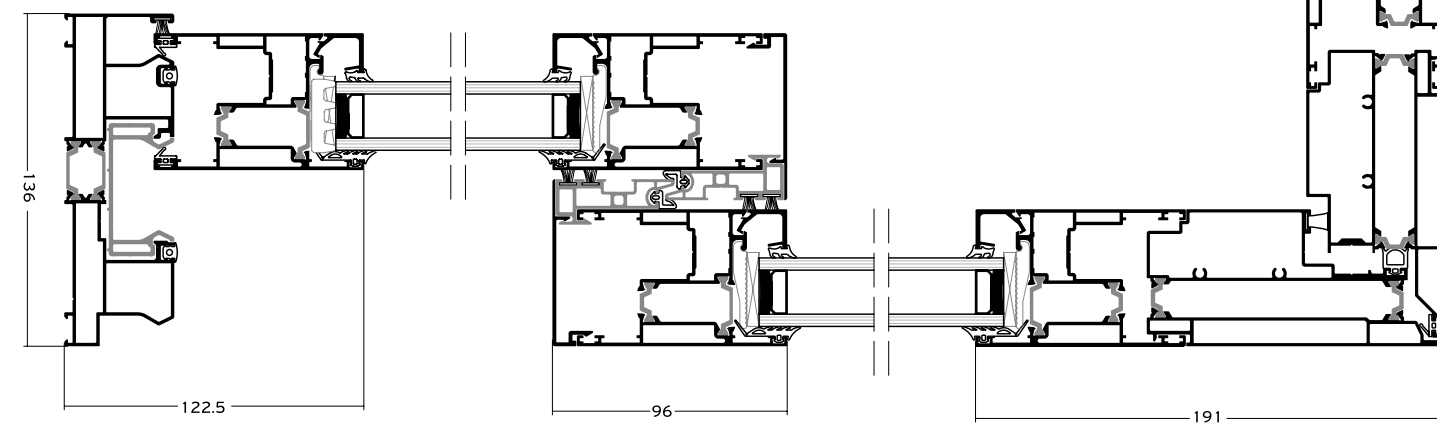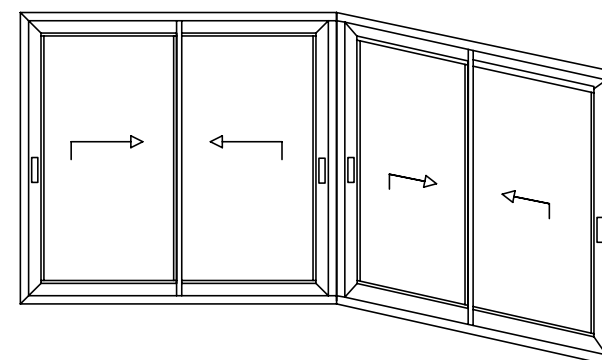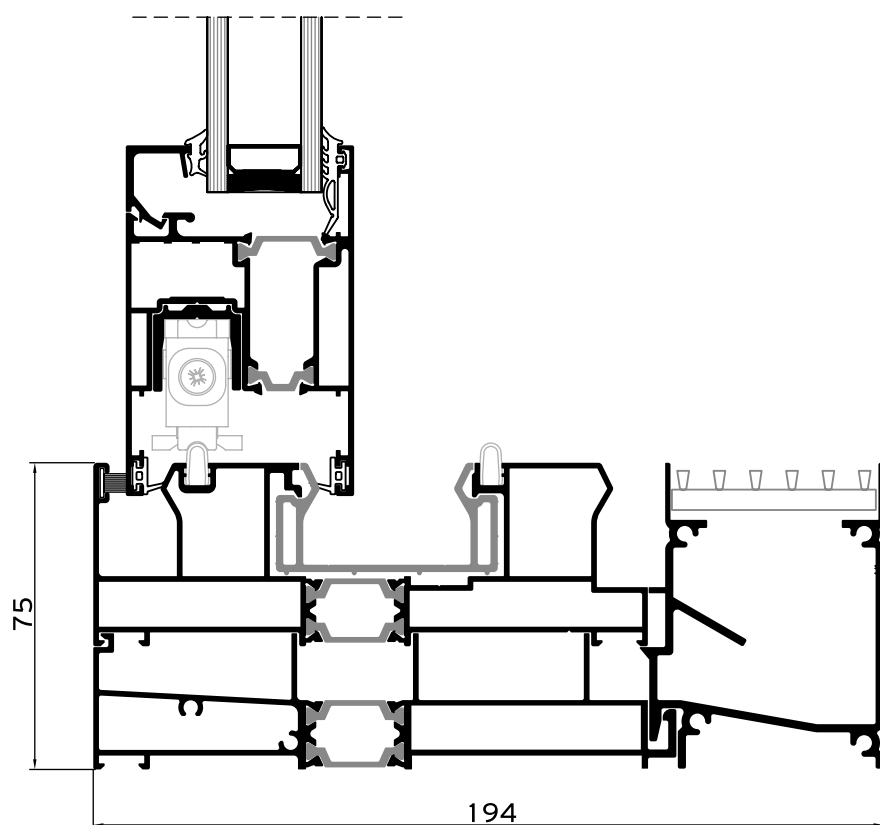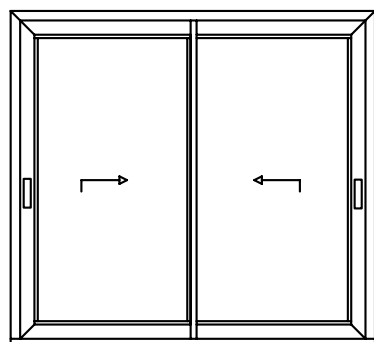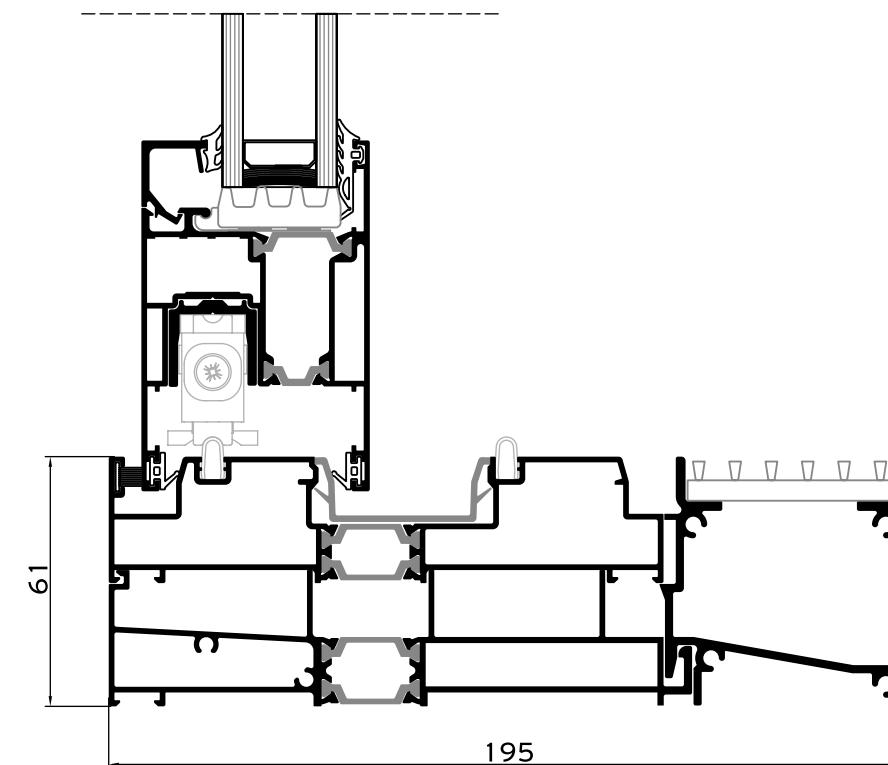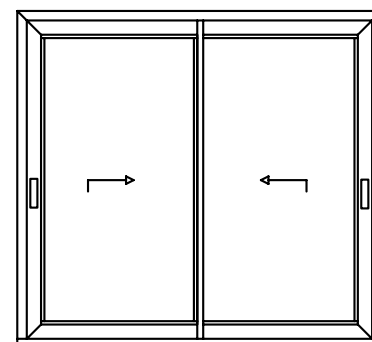
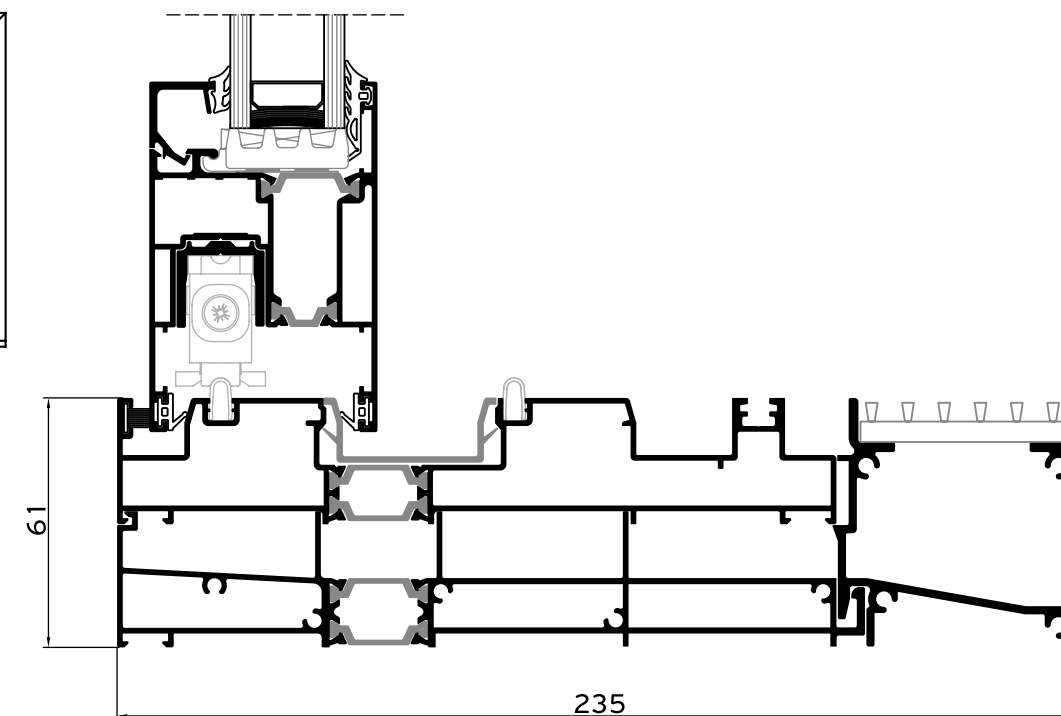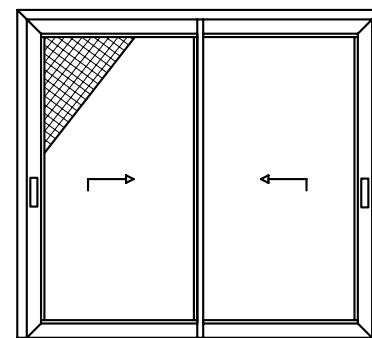**SMARTIA**
S560

SOLUTIONS WITH GUTTER
2 Sashes / 2 Track
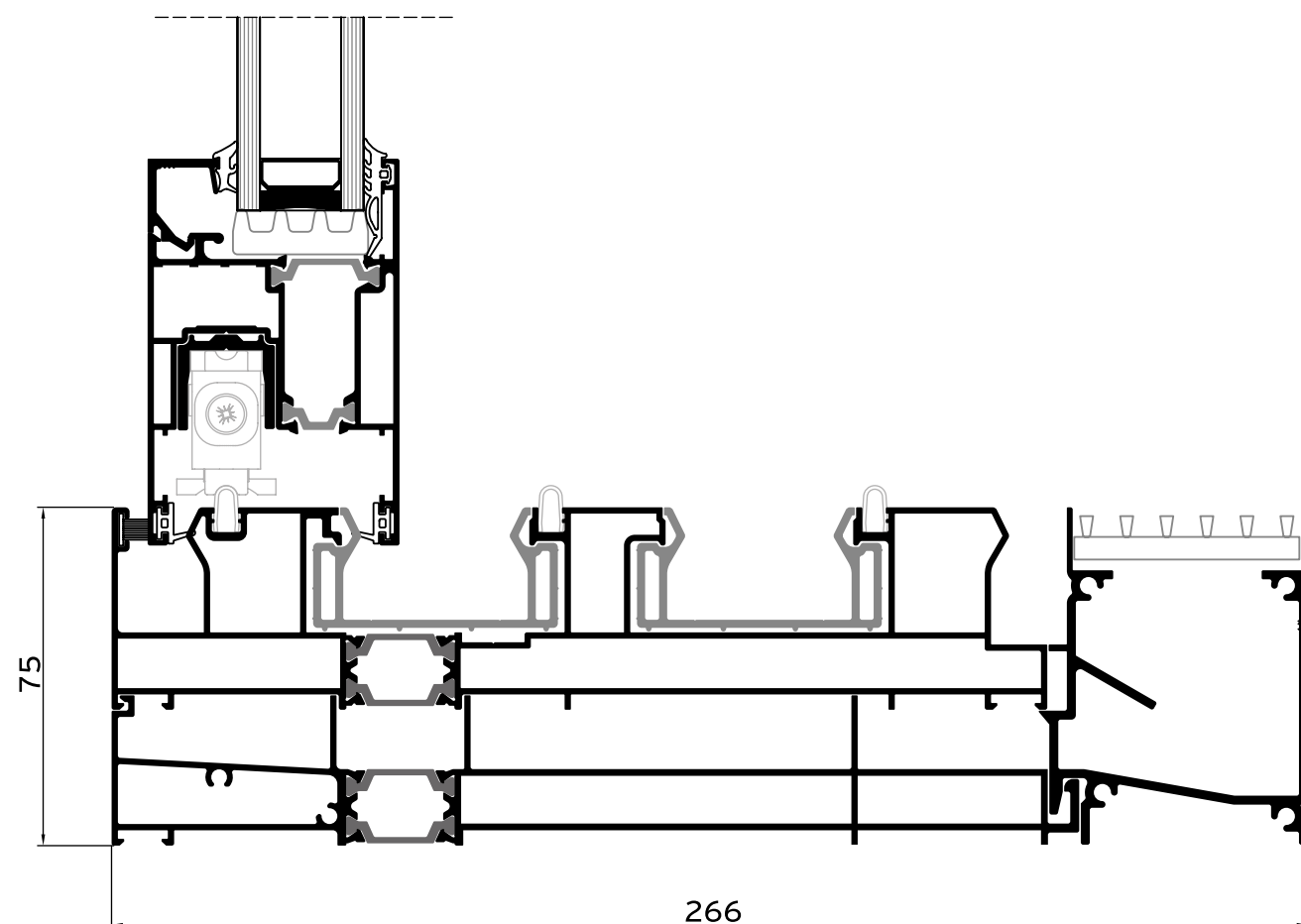

75

194
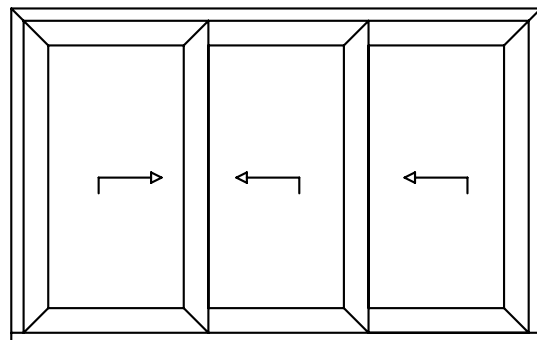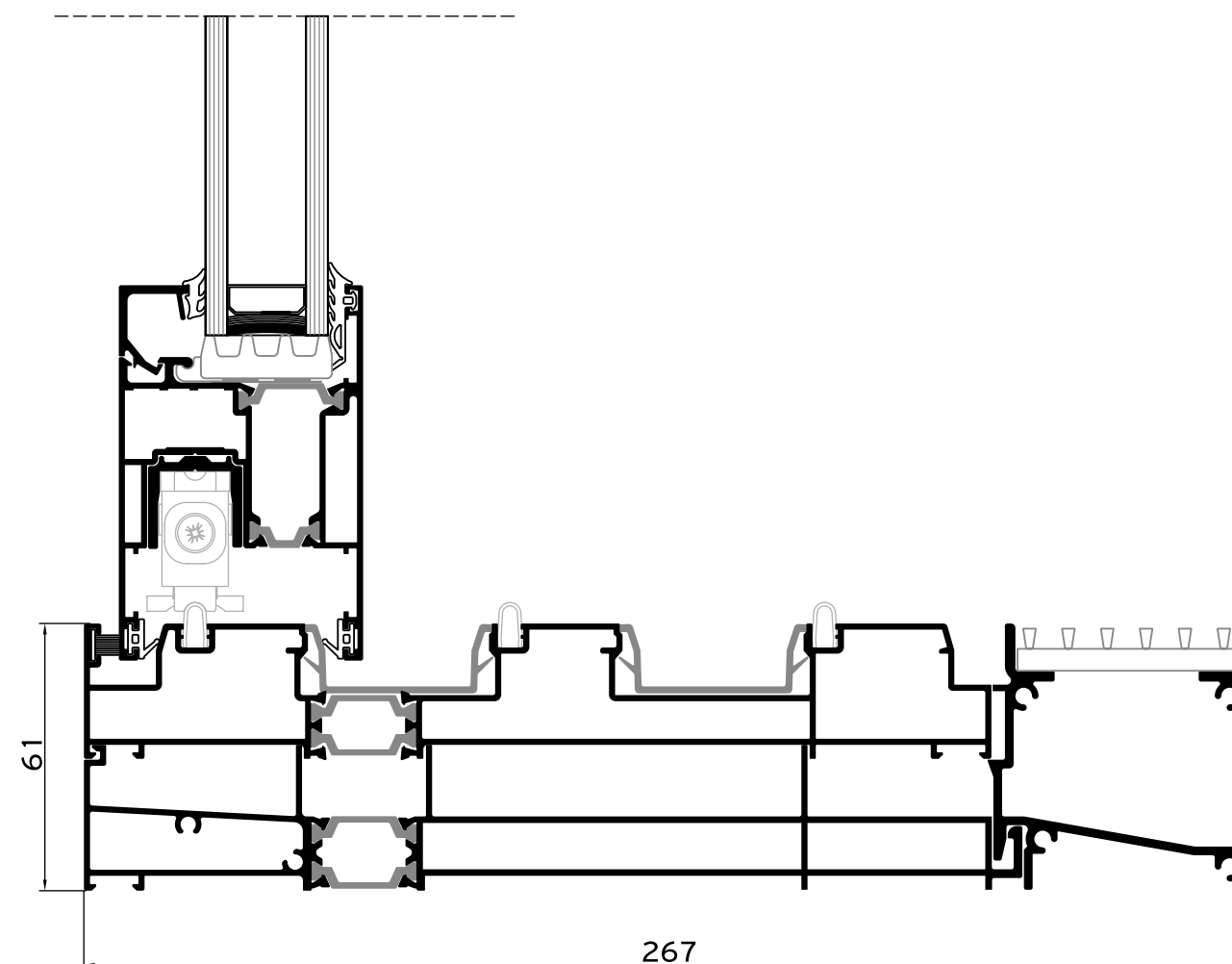
2 Sashes / 2 Track / Low Threshold

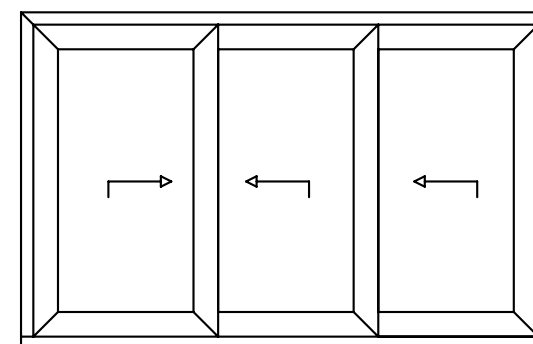
61

195

2 Sashes / 2 Track / Flyscreen / Low Threshold

61

235

SMARTIA
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SOLUTIONS WITH GUTTER
3 Sashes / **3** Track

3 Sashes / **3** Track / Low Threshold
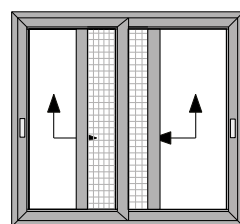
75

266

61

267

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Applications
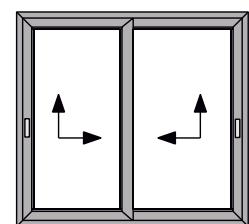
2 SASHES / 2 TRACK

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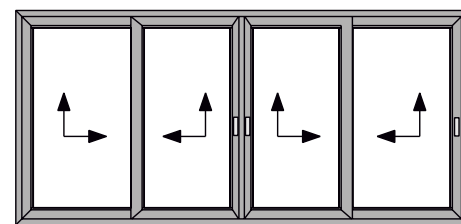
4 SASHES / 2 TRACK
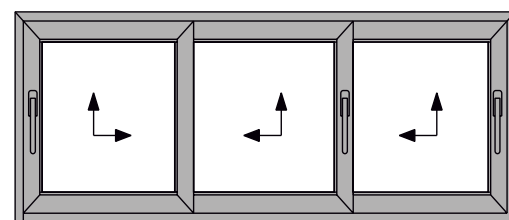
3 SASHES / 2 TRACK
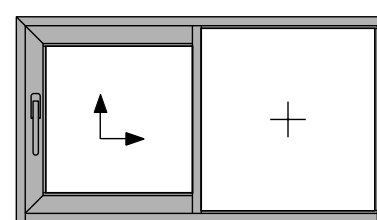
1 SASH / 1 FIXED
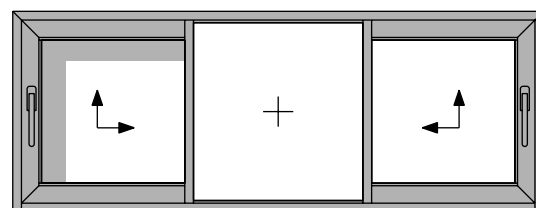
1 SASH / 1 FIXED / 1 SASH
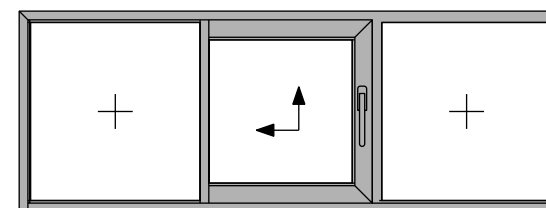
1 FIXED / 1 SASH / 1 FIXED

2 SASHES / 2 FIXED

MULTI TRACK

1 SASH / 1 TRACK / FLYSCREEN / SHUTTER

2 SASHES / 1 TRACK / FLYSCREEN / SHUTTER

CORNER TYPOLOGY

CORNER TYPOLOGY / FLYSCREEN

· ALL TYPOLOGIES ARE AVAILABLE FOR BOTH LIFT & SLIDE AND SLIDING CONFIGURATIONS.

· AVAILABILITY OF LOW THRESHOLD FOR ALL TYPOLOGIES.

Table of performance

SMARTIA
S560

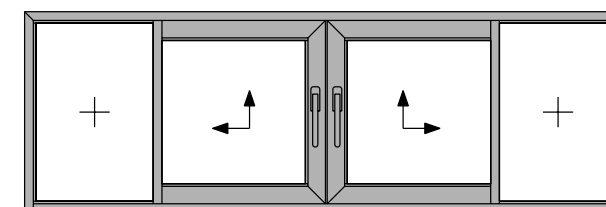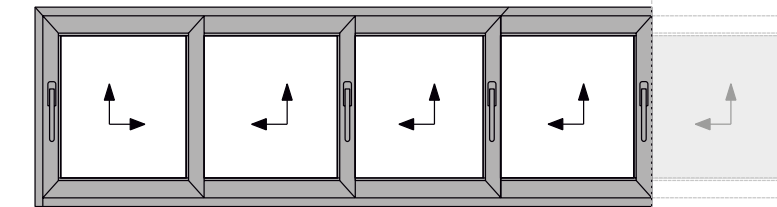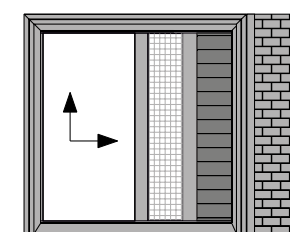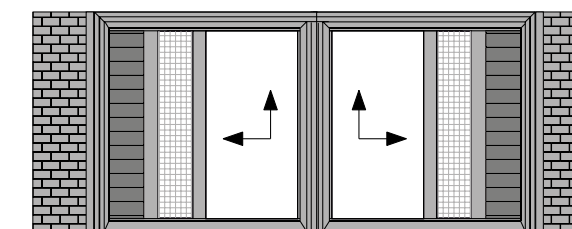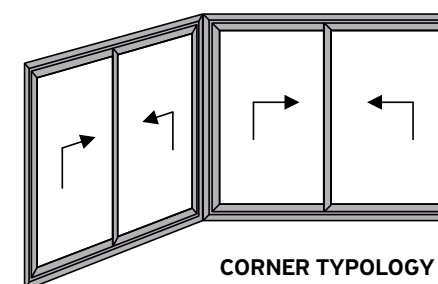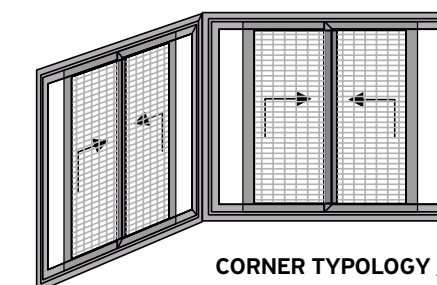| CERTIFICATION	CLASSIFICATION									
WATER TIGHTNESS EN 12208	1A (0 Pa)	2A (50 Pa)	3A (100 Pa)	4A (150 Pa)	5A (200 Pa)	6A (250 Pa)	7A (300 Pa)	8A (450 Pa)	9A (600 Pa)	**E1200 (1200 Pa)**
AIR PERMEABILITY EN 12207		1		2		3		**4**		
WIND LOAD RESISTANCE MAX TEST PRESSURE EN 12210		1 (400 Pa)		2 (800 Pa)		3 (1200 Pa)		**4 (1600 Pa)**		5 (2000 Pa)
WIND LOAD RESISTANCE TO FRONTAL DEFLECTION EN 12210		A (≤ l/150)				B (≤ l/200)			**C (≤ l/300)**	
BURGLAR RESISTANCE EN 1627 −1630		RC 1				**RC 2**				RC 3

CERTIFICATIONS ACCORDING TO AS STANDARDS AND AAMA STANDARDS ARE AVAILABLE FROM ALUMIL UPON REQUEST

Cradle to Cradle Certified® is the global standard for products that are safe, circular and responsibly made.

The OK Recycled certification by TÜV AUSTRIA attests that all our profiles are made of 60% recycled aluminium, contributing to a more sustainable future.

SMARTIA
S560 LT

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		2		3		**4**		
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 (≤ l/150)				B (≤ l/200)			**C (≤ l/300)**	
SOUND REDUCTION EN14351					42 dB					

THERMAL PERFORMANCE	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)
1 SASH / FIXED LIGHT	2300 x 2180	1,32	1,48	1,72
2 SASHES / **2** TRACK	2300 x 2180	1,45	1,60	1,84
2 SASHES / **2** TRACK LOW THRESHOLD	2300 x 2180	1,46	1,62	1,85
4 SASHES / **2** TRACK	4600x2180	1,38	1,53	1,76
4 SASHES / **2** TRACK LOW THRESHOLD	4600x2180	1,29	1,45	1,68

REFERENCE PROJECTS

1. **MIRAGGIO THERMAL SPA RESORT** / HALKIDIKI, GREECE
2. **CENTURY PLAZA HOTEL** / LOS ANGELES, U.S.A.
3. **AMARA HOTEL** / LIMASSOL, CYPRUS
4. **U HOUSE** / ULA, TURKEY
5. **REGNUM SKY TOWER** / ANKARA, TURKEY
6. **CARAVIA BEACH HOTEL** / KOS, GREECE
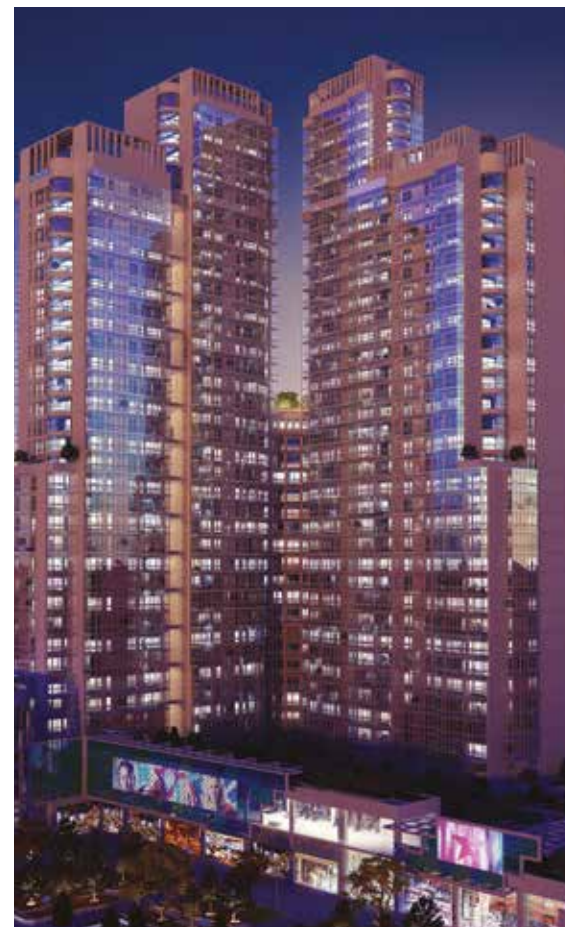

1

2

3

4

5

6

REFERENCE PROJECTS

7

8

9

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11

12

REFERENCE PROJECTS

13. **HUG HOUSE** / KOS, GREECE
14. **OXYGEN** / ATHENS, GREECE
15. **GREEN COAST RESORT & RESIDENCES** / PALASA, ALBANIA

16. **NICHE HOTEL** / ATHENS, GREECE
17. **EMERALD TERRACES** / ATHENS, GREECE
18. **VILLA AGAPANTHUS** / LEFKADA, GREECE

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www.alumil.com

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