



Alumil
Building excellence every day

Alumil > SMARTIA
MF65 / MF6500



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SMARTIA MF65 / MF6500

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SMARTIA MF65
SMARTIA MF6500

Thermally insulated and non-insulated systems for folding doors, with minimal design and exceptional performance.

Merge indoor and outdoor spaces
with our seamless folding dividers

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MF65

SMARTIA MF65 and MF6500
are the **insulated and non-
insulated** versions of our
modern folding door systems,

with **minimal design** and bottom-slide
operation. The profiles in both systems
are very thin, resulting in slightly visible
aluminium lines (**88 mm**).

> SMARTIA
MF6500

**ELEVATE YOUR LIVING SPACE
WITH TIMELESS ELEGANCE**



Combining an exceptional overall
design with state-of-the-art
accessories, our folding door
systems enable constructions of
large dimensions while delivering
superior performance in terms of
watertightness and thermal insulation.

With a wide variety of technical
solutions, both systems cater to the
diverse needs of modern residences,
hotels, stores, and various commercial
premises. Whether open or closed,
these applications **enhance
your spaces with unrivalled
functionality and a stylish
outcome.**

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Reduce aluminium,
unleash the view!

> SMARTIA
MF6500

EMBRACE MINIMALISM



THE SYSTEMS HAVE BEEN DESIGNED TO:

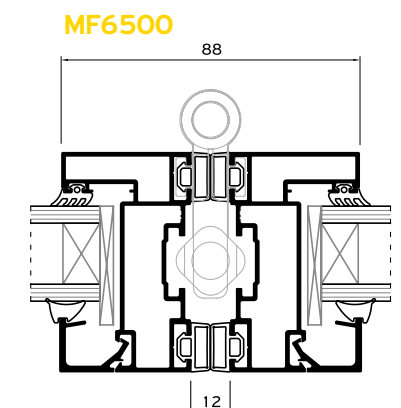
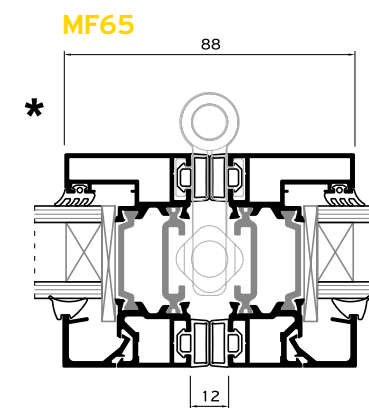
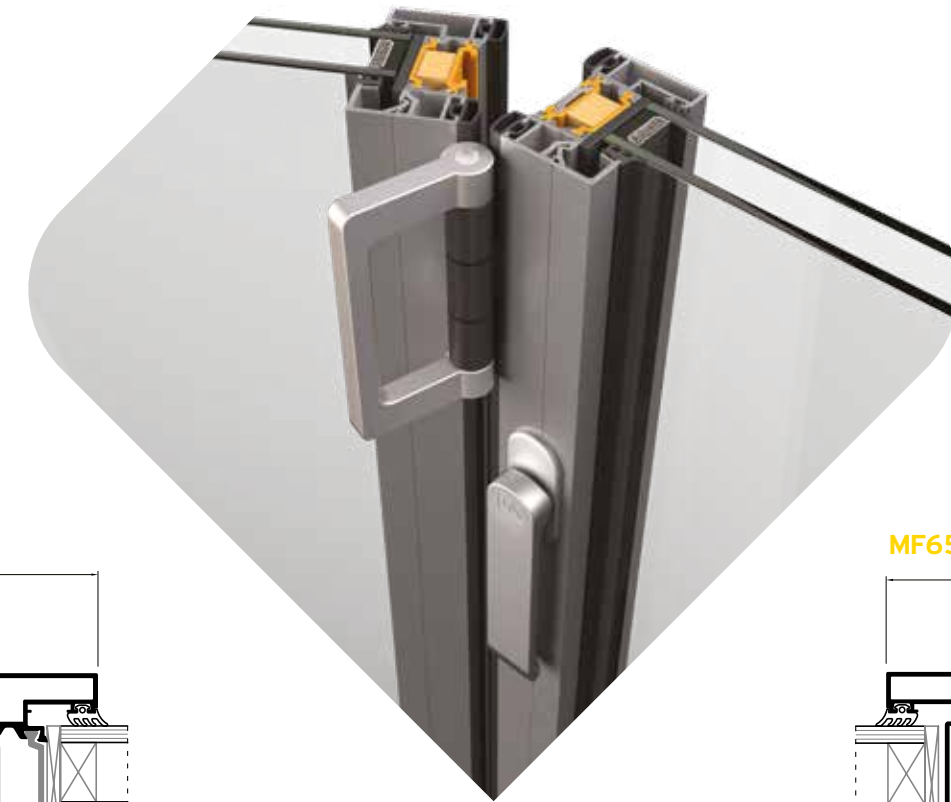
- Illuminate your space with abundant natural light, offering **slim sightlines (88 mm)** that maximize visibility.
- Elevate the aesthetics of your space, with their **minimal design** and ultra-thin profiles.
- Achieve **top performance** in terms of air permeability, watertightness and wind load resistance.
- The thermally insulated version (SMARTIA MF65) increases **energy and cost efficiency**, through the high thermal insulation (up to $U_w = 1.1 \text{ W/m}^2\text{K}$).
- Allow robust large constructions (up to 3.0 m) and offer **high levels of burglar protection**.
- Offer a **plethora of solutions**, including options such as odd and even number of vents, double and triple glazing, standard and low threshold and independent hinged door.

Alumil SMARTIA
MF65

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TECHNICAL

CHARACTERISTICS

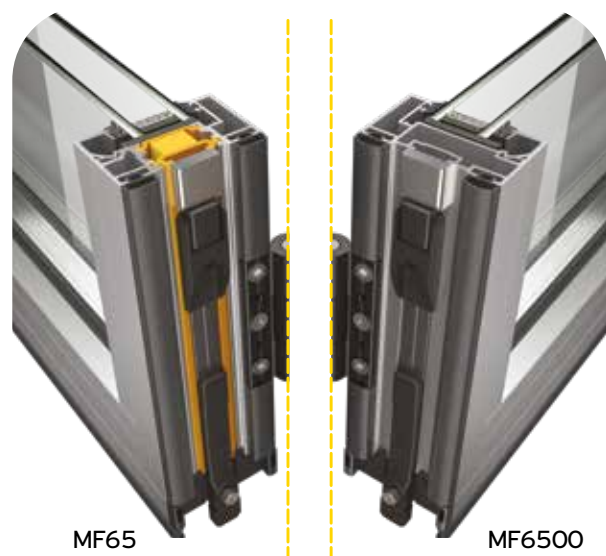


SASH THICKNESS	65 mm
SASH TO SASH FACE WIDTH	88 mm
GLAZING THICKNESS	24-44 mm
POLYAMIDES	DOUBLE, UP TO 32 mm *
EXTRA INSULATING FITTINGS	NRG BAR & PE FOAM INSULATION *
MAIN GASKET	EPDM
PANEL LOCKING	QUADRUPLE SHOOT BOLTS
MAXIMUM WEIGHT	140 Kg / VENT
MAXIMUM VENT HEIGHT	3.0 m
MAXIMUM VENT WIDTH	1.3 m

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FLAWLESS OPERATION



ACCESSORIES' DETAILS

- Quadruple locking of the intermediate vents, an innovation for enhanced security and better wind load resistance.
- Three-point lock (door) with hooks and flexibility to choose additional latches (up/down).
- Glass-filled polyamides with a thermally insulated core, for high levels of thermal insulation.
- Double EPDM gaskets and special fittings for maximum sealing.

HANDLES & HINGES

- ALUMIL design handles of high quality and aesthetics.
- Extra pull-handle, integrated with the hinge, for easier vents' sliding.
- Specially designed hinges, which enhance construction robustness.



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DURABILITY OVER TIME



MF65
(quadruple roller)

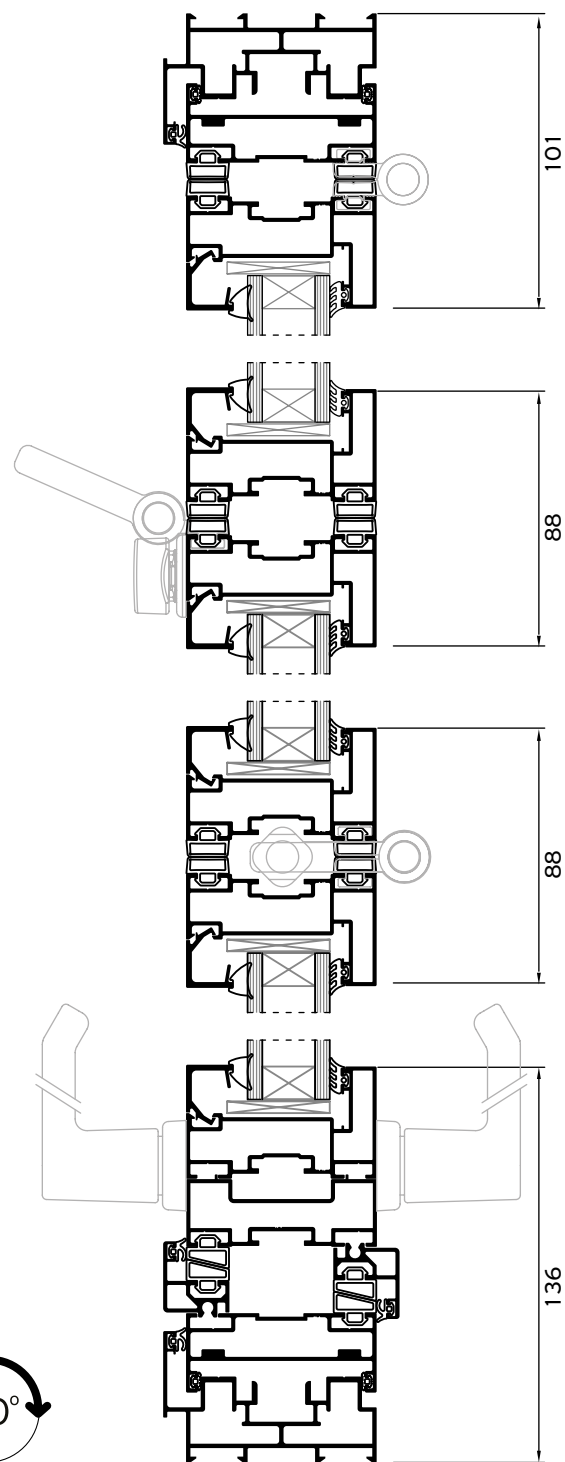
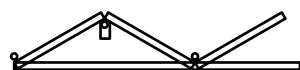
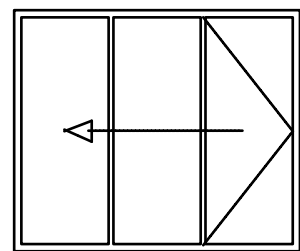
SPECIAL ROLLER-HINGES

- Reinforced construction for maximum weight, up to 140 Kg per vent.
- Quadruple heavy-duty rollers that contribute to smooth sliding on the bottom rail.
- Double rollers for easy and smooth sliding in even typologies.
- Stainless steel parts that enhance rust protection.
- Special fitting for burglar protection.
- Adjustable for easier sash alignment.

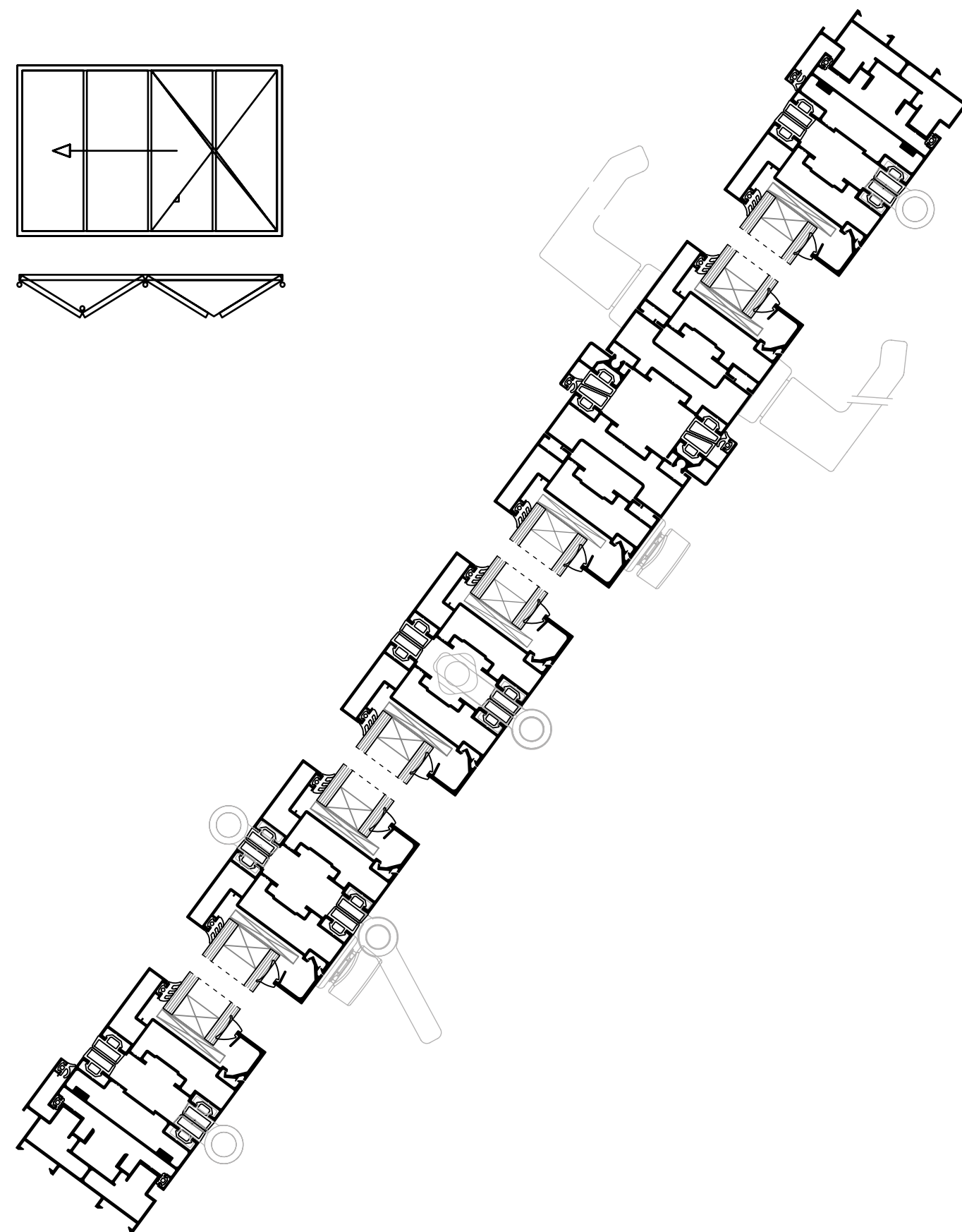
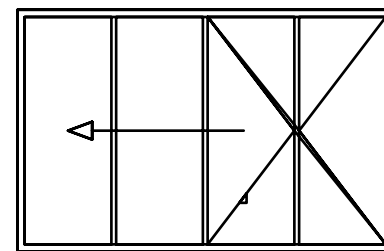


MF6500
(double roller)

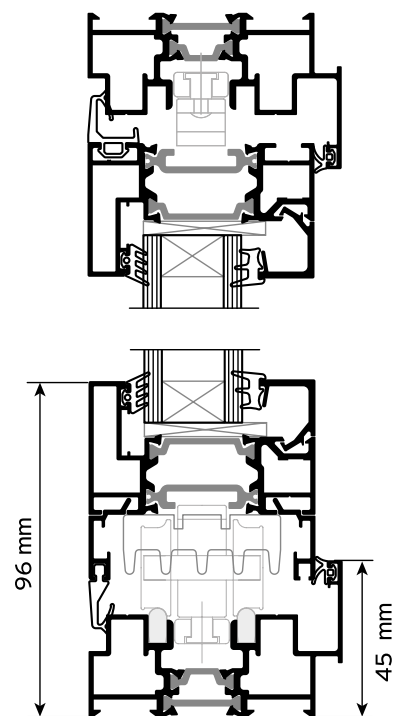
3+0 Opening outwards



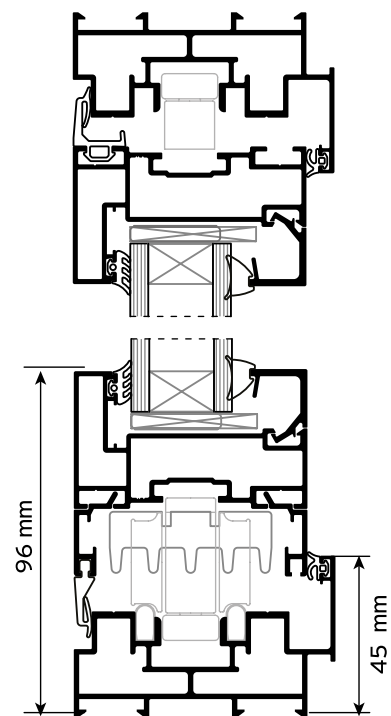
3+1 Opening inwards



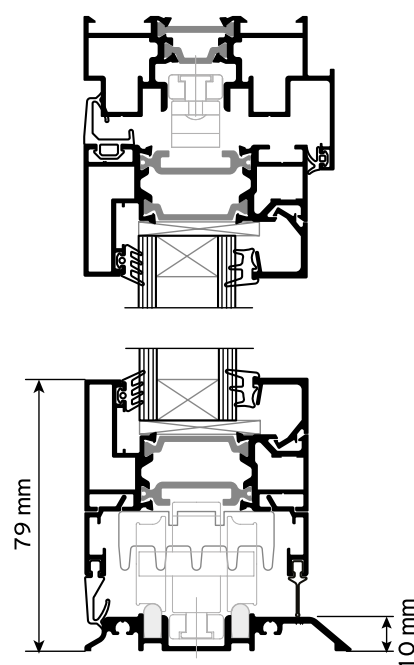
Standard thermally insulated threshold



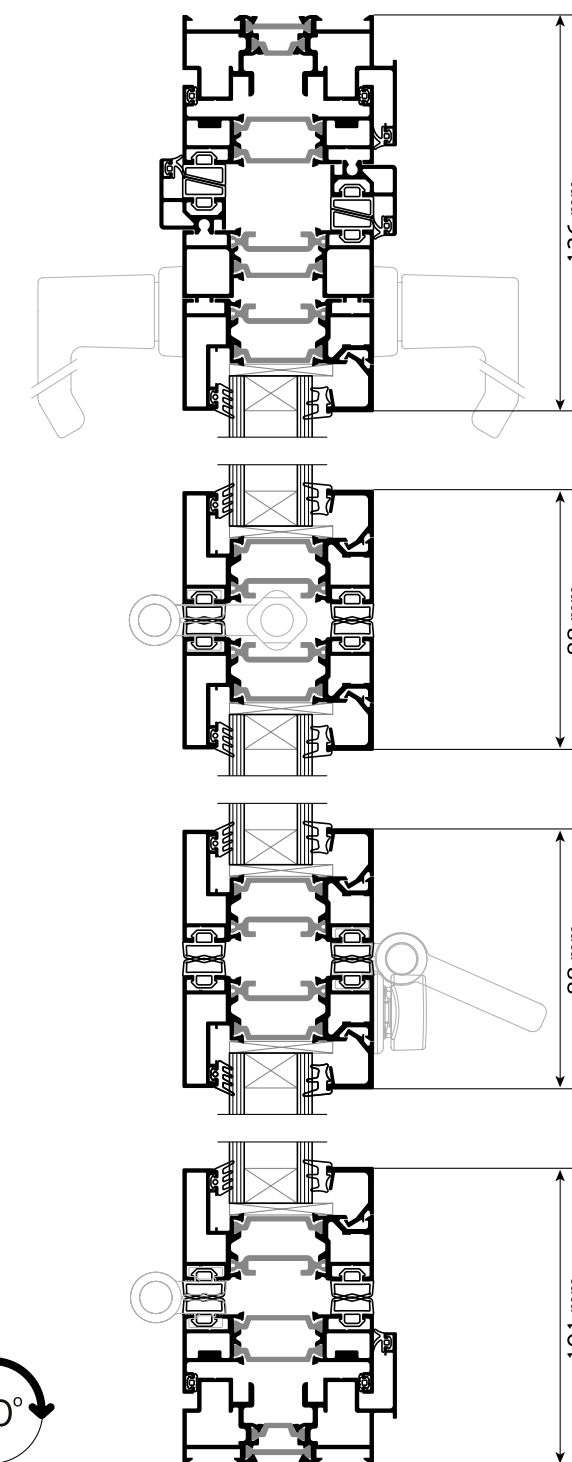
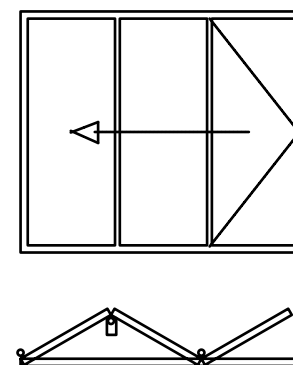
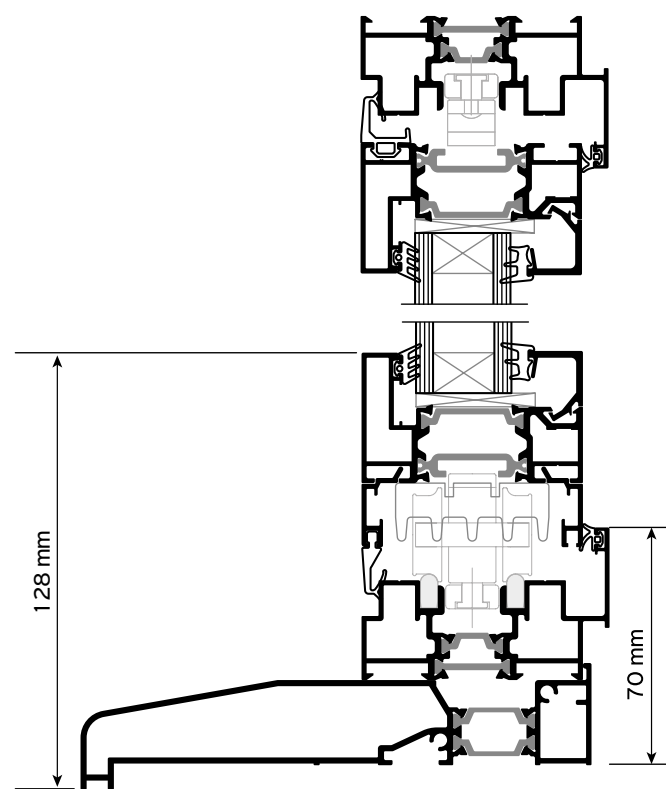
Standard non-insulated threshold



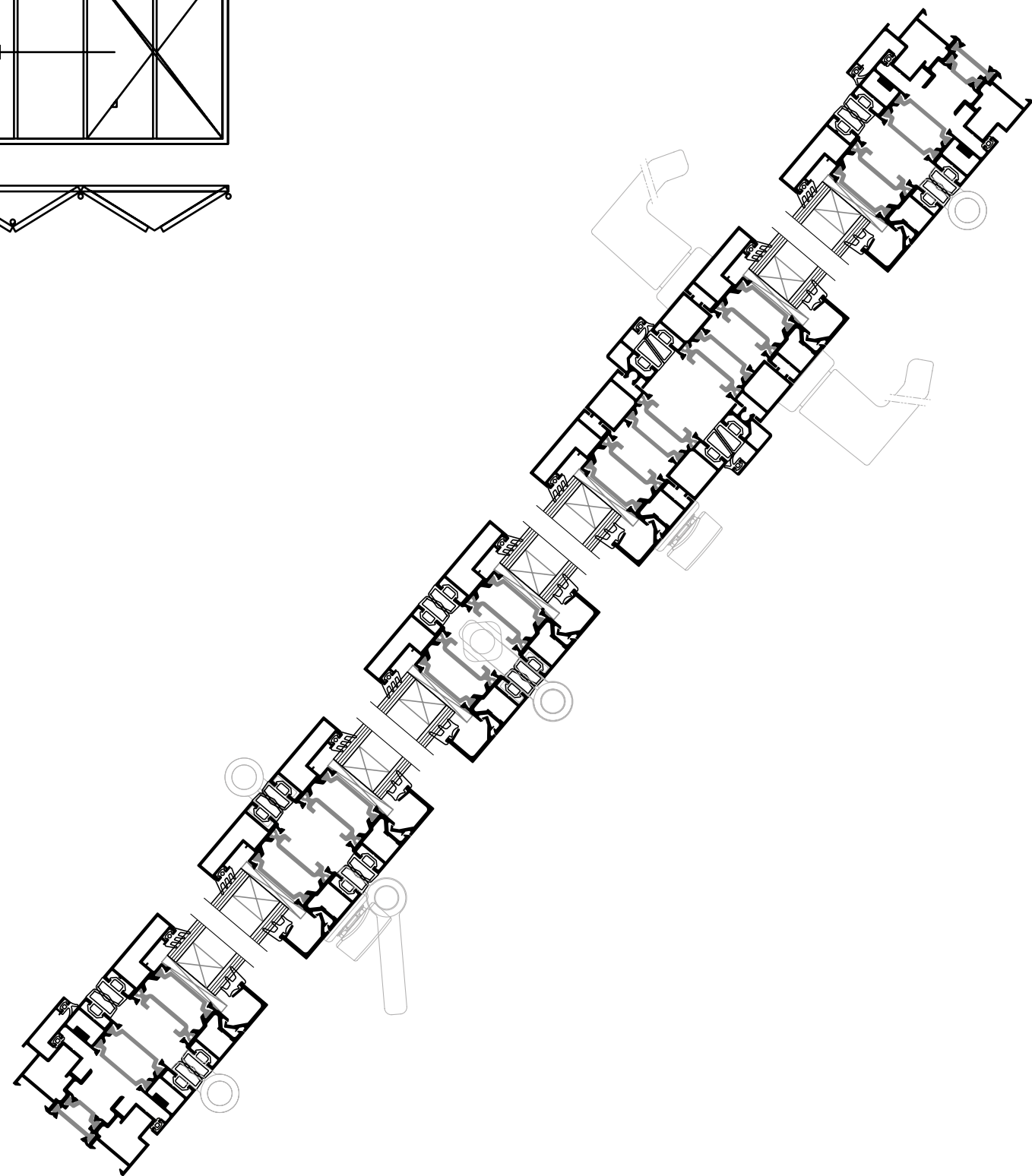
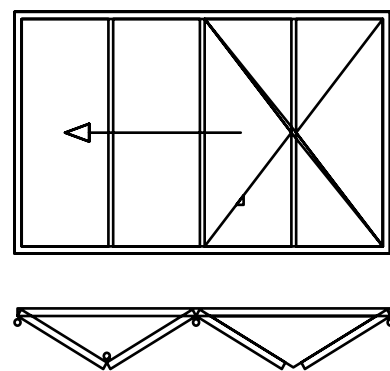
Low threshold



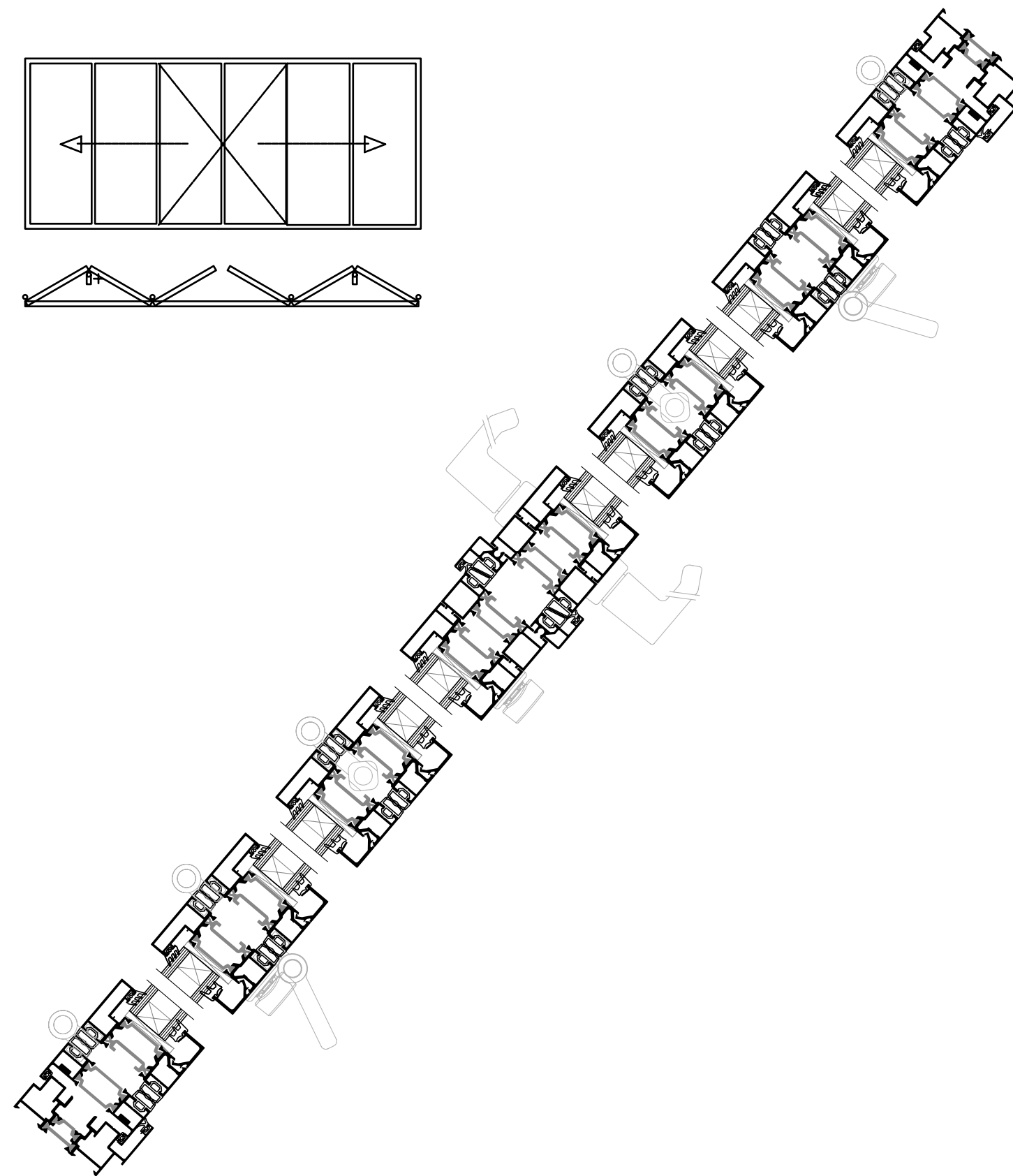
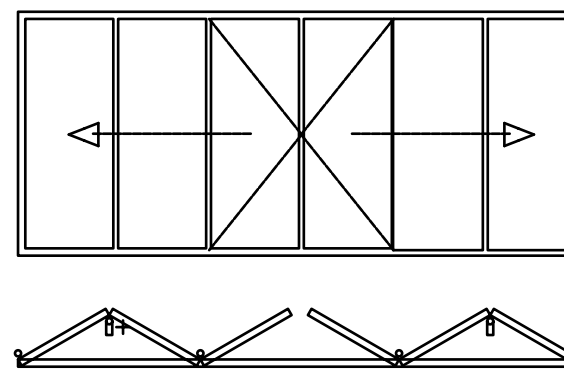
Threshold with subsill



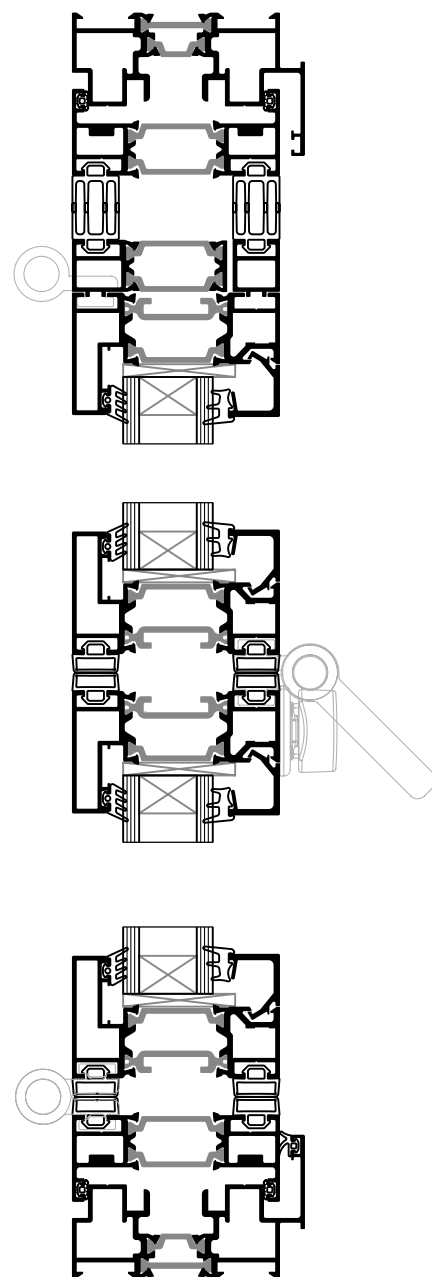
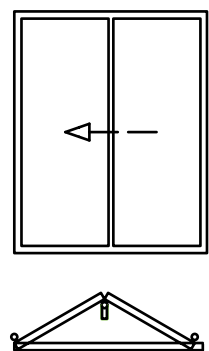
3+1
Opening inwards



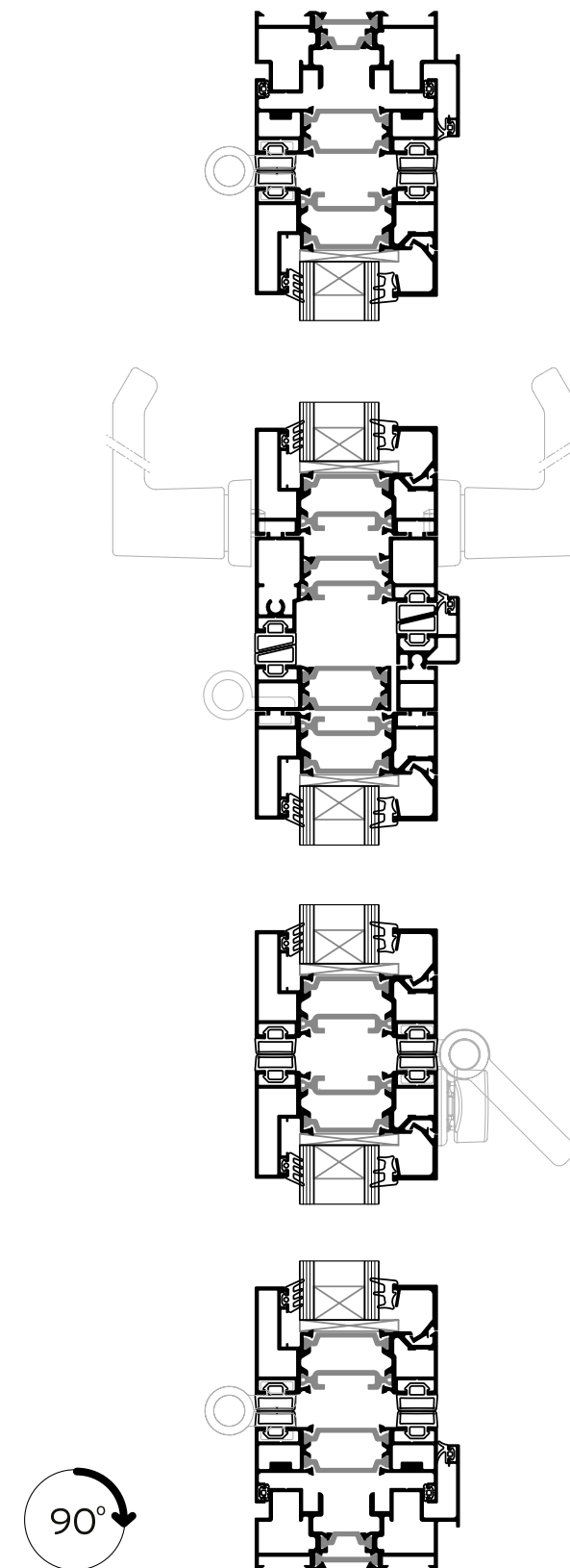
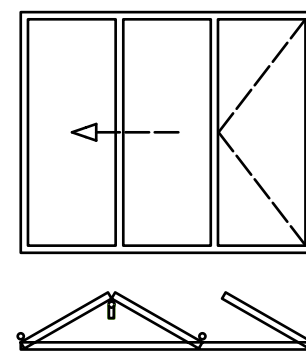
3+3
Opening outwards



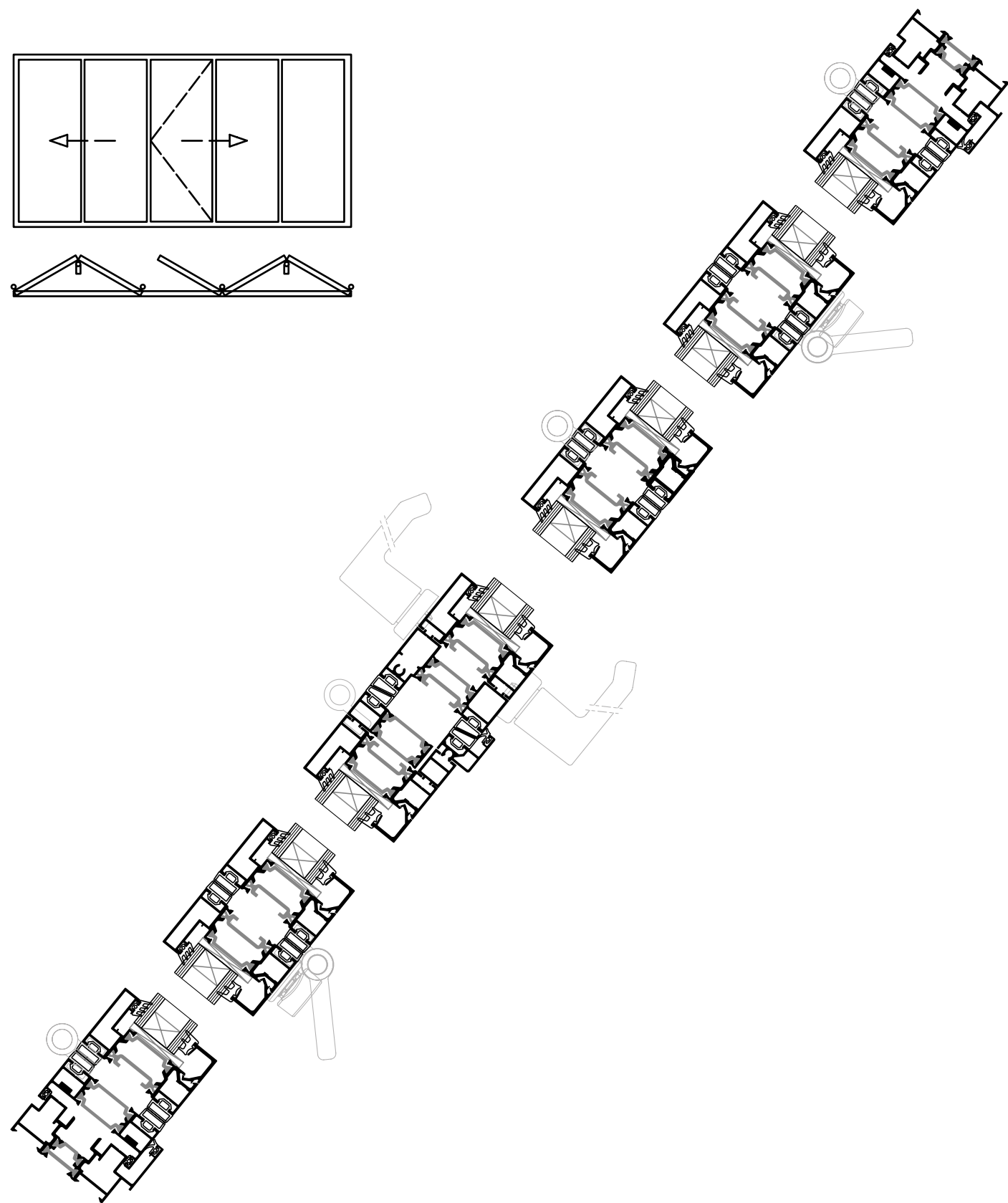
2+0 Opening outwards



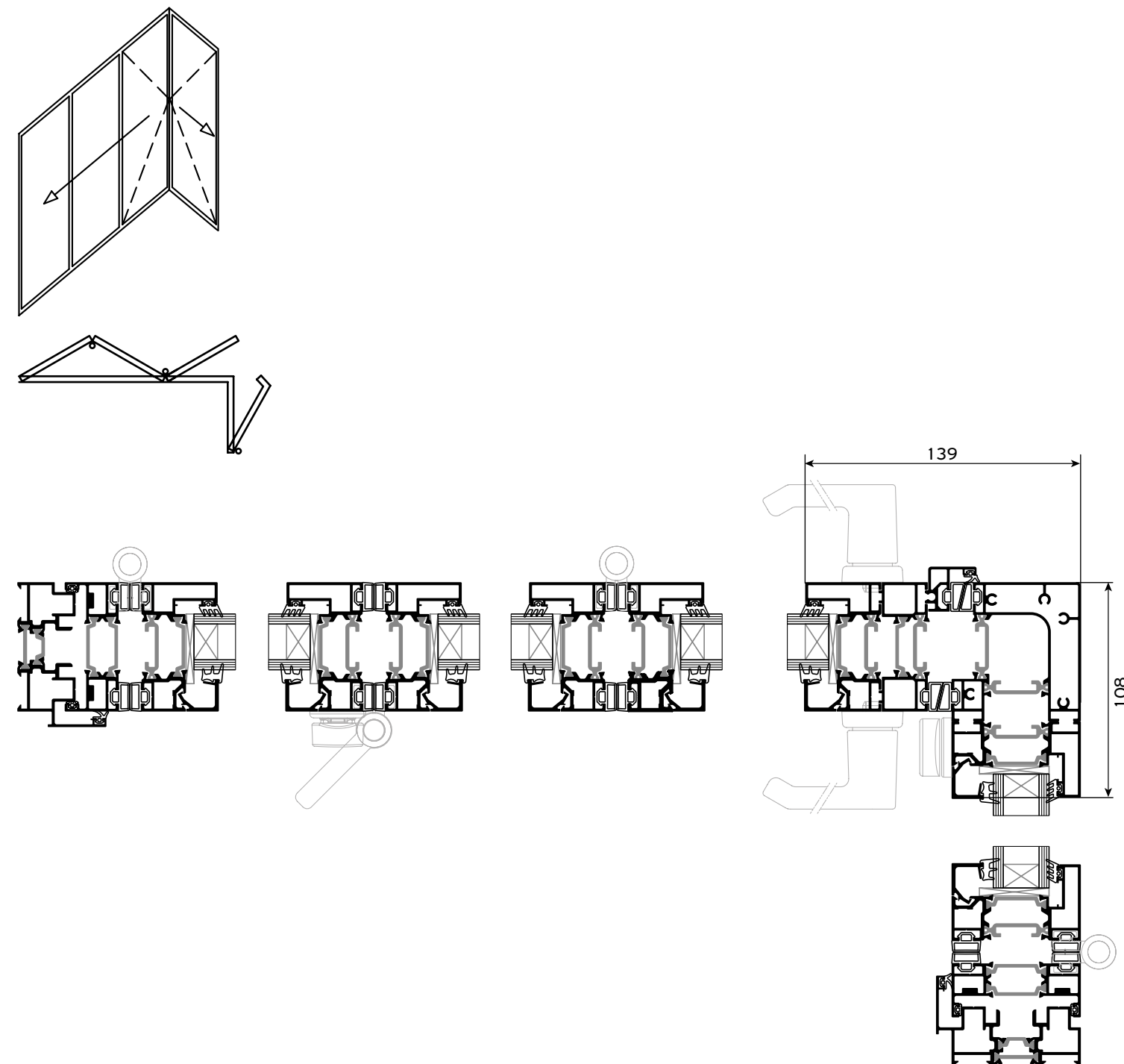
2+1 Opening outwards



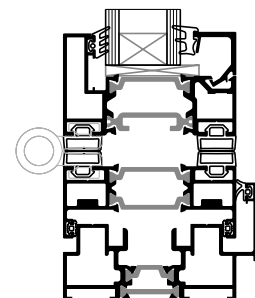
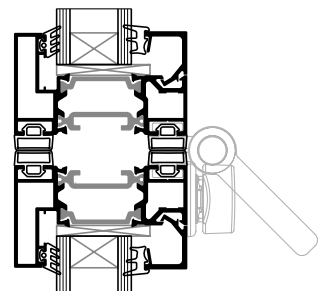
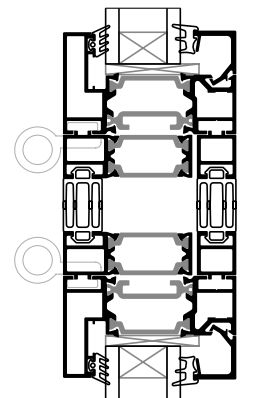
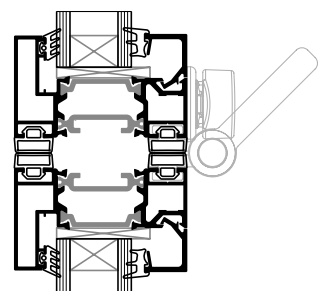
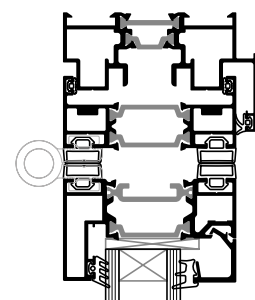
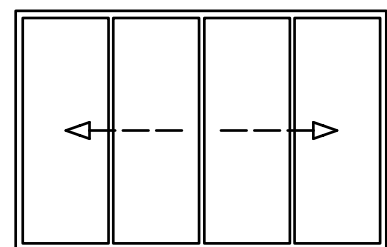
2+3 Opening outwards



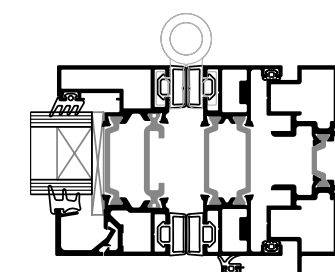
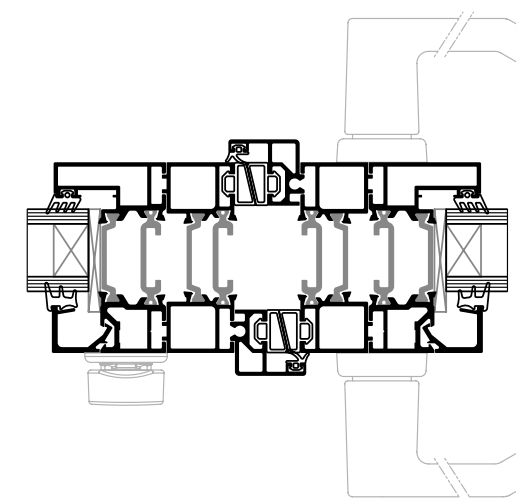
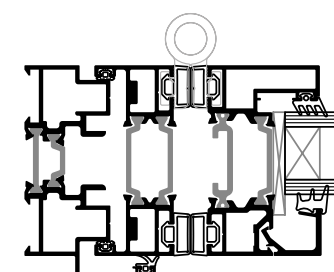
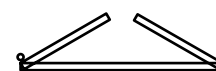
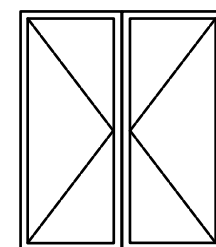
3+1 Corner construction

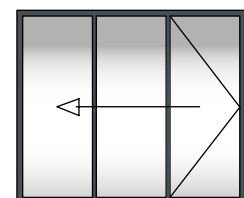


2+2 Opening outwards

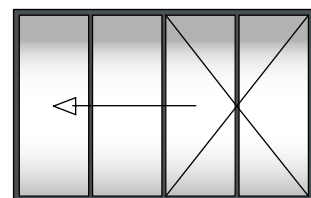


1+1 Opening outwards

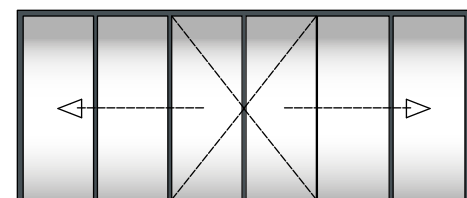




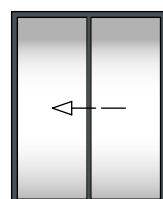
n+0



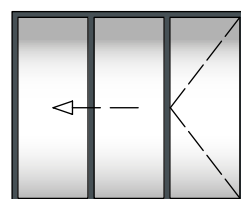
n+1



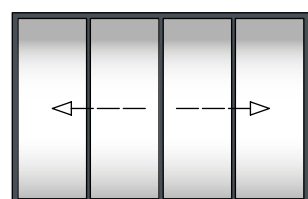
n+n



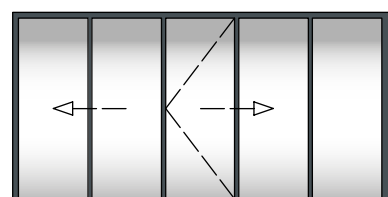
m+0



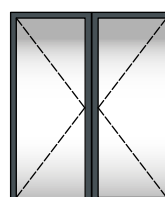
m+1



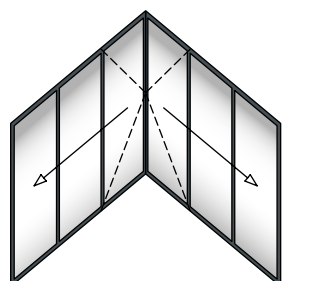
m+m



m+n



1+1



n+n
Corner construction

All typologies can:

- / Open outwards or inwards.
- / Use standard or low threshold.
- / Allow very large number of vents.

* "n" for odd number (e.g. 7) ⊕ "m" for even (e.g. 6).

Table of performance

SMARTIA
MF65

CERTIFICATION

	WATER TIGHTNESS EN 12208:1999-11
	AIR PERMEABILITY EN 12207:2016-12
	WIND LOAD RESISTANCE MAX TEST PRESSURE EN 12210:2016-03
	WIND LOAD RESISTANCE TO FRONTAL DEFLECTION EN 12210:2016-03
	BURGLAR RESISTANCE EN 1627 - 1630
	BURGLAR RESISTANCE PAS24 (UK)
	SOUND REDUCTION EN 14351, EN 717

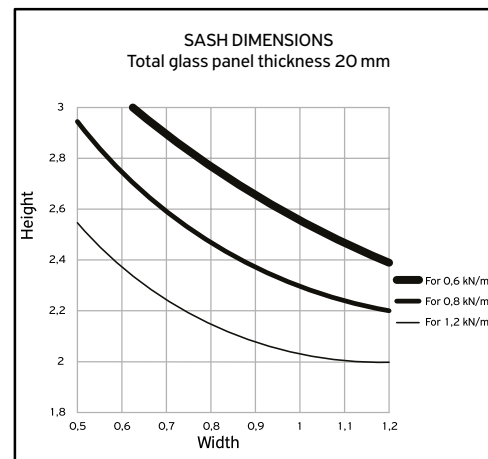
CLASSIFICATION

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)
1 (150 Pa)		2 (300 Pa)		3 (600 Pa)		4 (600 Pa)		
1 (400 Pa)		2 (800 Pa)		3 (1200 Pa)		4 (1600 Pa)		5 (2000 Pa)
A (≤ 1/150)			B (≤ 1/200)			C (≤ 1/300)		
RC 1			RC 2			RC 3		
√								
Rw (C;Ctr) = 44 (-1, -5) dB								

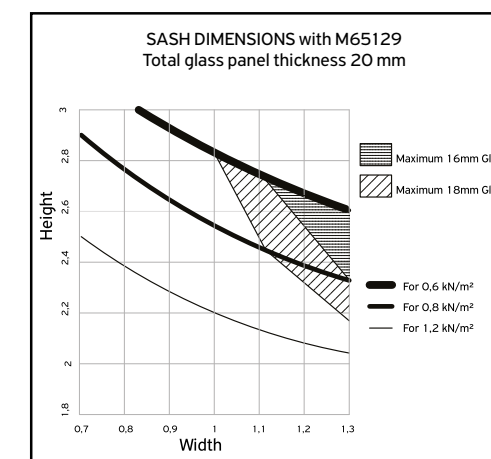
THERMAL PERFORMANCE

	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)
3+0	2.6 x 2.8 m	1.13	1.29	1.54
3+1	3.45 x 2.8 m	1.11	1.27	1.52
3+0	3.3 x 2.7 m	1.06	1.23	1.48

Max Dimensions – Wind load
without aluminium reinforcement



Max Dimensions – Wind load
with aluminium reinforcement



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DISCOVER MORE:



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EN DEC 2023

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