



**Alumil**  
Building excellence every day

**Alumil**  SMARTIA  
MF65 / MF6500



# CONTENTS

## **SMARTIA MF65 / MF6500**

INTRODUCTION	2
TECHNICAL CHARACTERISTICS	8
DRAWING SECTIONS	14
APPLICATIONS	26
TABLE OF PERFORMANCE	27



**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

**Alumil** > SMARTIA  
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:**

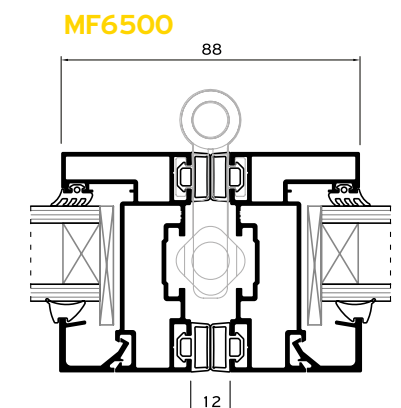
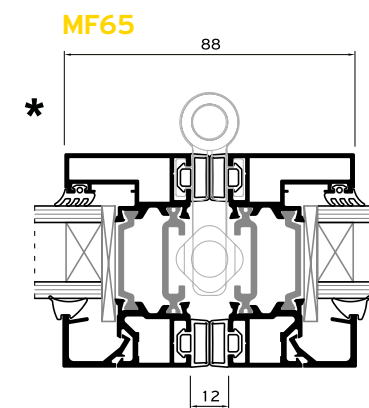
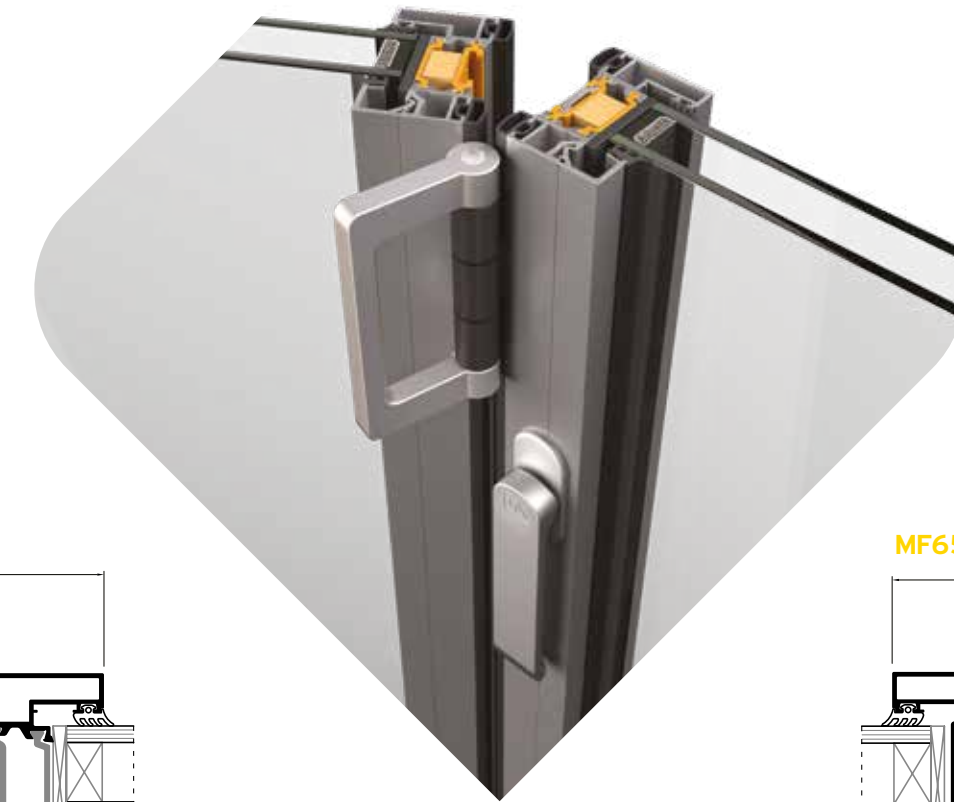
- Illuminate your space with abundant natural light, offering **slim sightlines (88 mm)** that maximize visibility.
- Elevate the aesthetics of your space, with their **minimal design** and ultra-thin profiles.
- Achieve **top performance** in terms of air permeability, watertightness and wind load resistance.
- 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

SMARTIA  
MF6500

## TECHNICAL

## CHARACTERISTICS

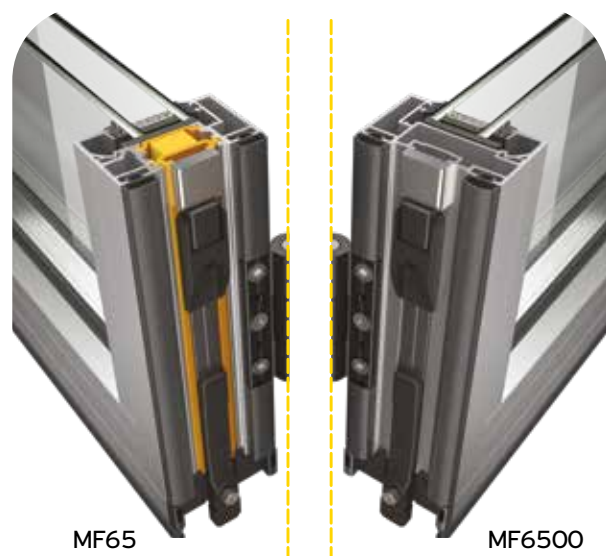


SASH THICKNESS	65 mm
SASH TO SASH FACE WIDTH	88 mm
GLAZING THICKNESS	24-44 mm
POLYAMIDES	DOUBLE, UP TO 32 mm *
EXTRA INSULATING FITTINGS	NRG BAR & PE FOAM INSULATION *
MAIN GASKET	EPDM
PANEL LOCKING	QUADRUPLE SHOOT BOLTS
MAXIMUM WEIGHT	140 Kg / VENT
MAXIMUM VENT HEIGHT	3.0 m
MAXIMUM VENT WIDTH	1.3 m

**Alumil** SMARTIA  
MF65

SMARTIA  
MF6500

FLAWLESS OPERATION



MF65

MF6500

#### 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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MF65

**SMARTIA**  
MF6500

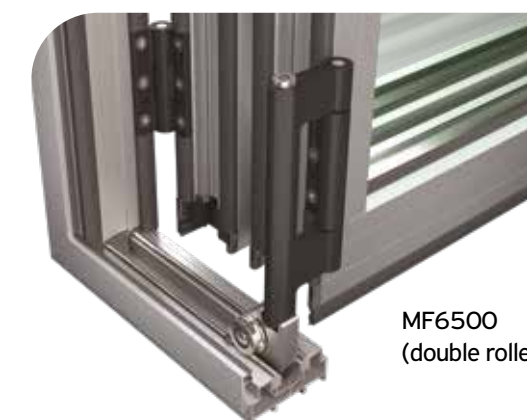
## DURABILITY OVER TIME



MF65  
(quadruple roller)

### SPECIAL ROLLER-HINGES

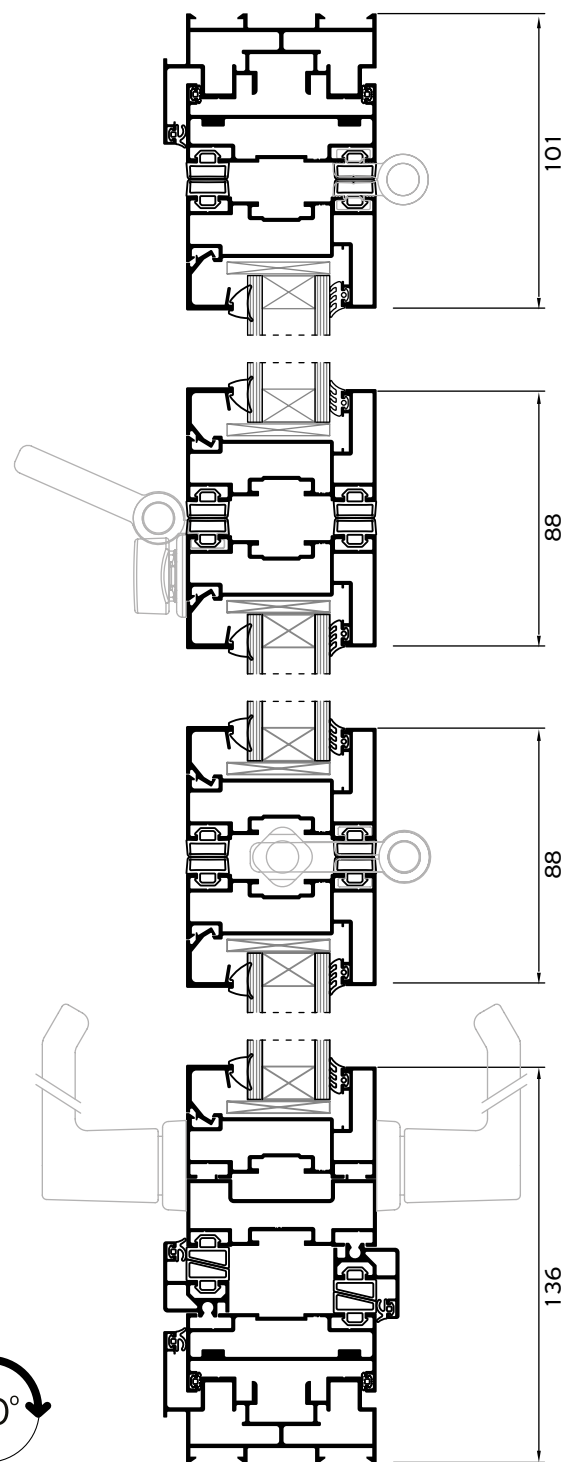
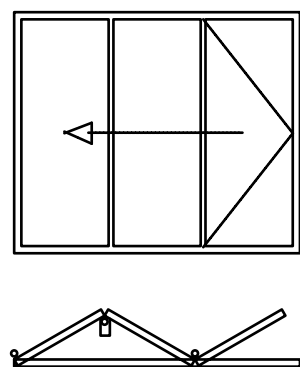
- Reinforced construction for maximum weight, up to 140 Kg per vent.
- Quadruple heavy-duty rollers that contribute to smooth sliding on the bottom rail.
- Double rollers for easy and smooth sliding in even typologies.
- Stainless steel parts that enhance rust protection.
- Special fitting for burglar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



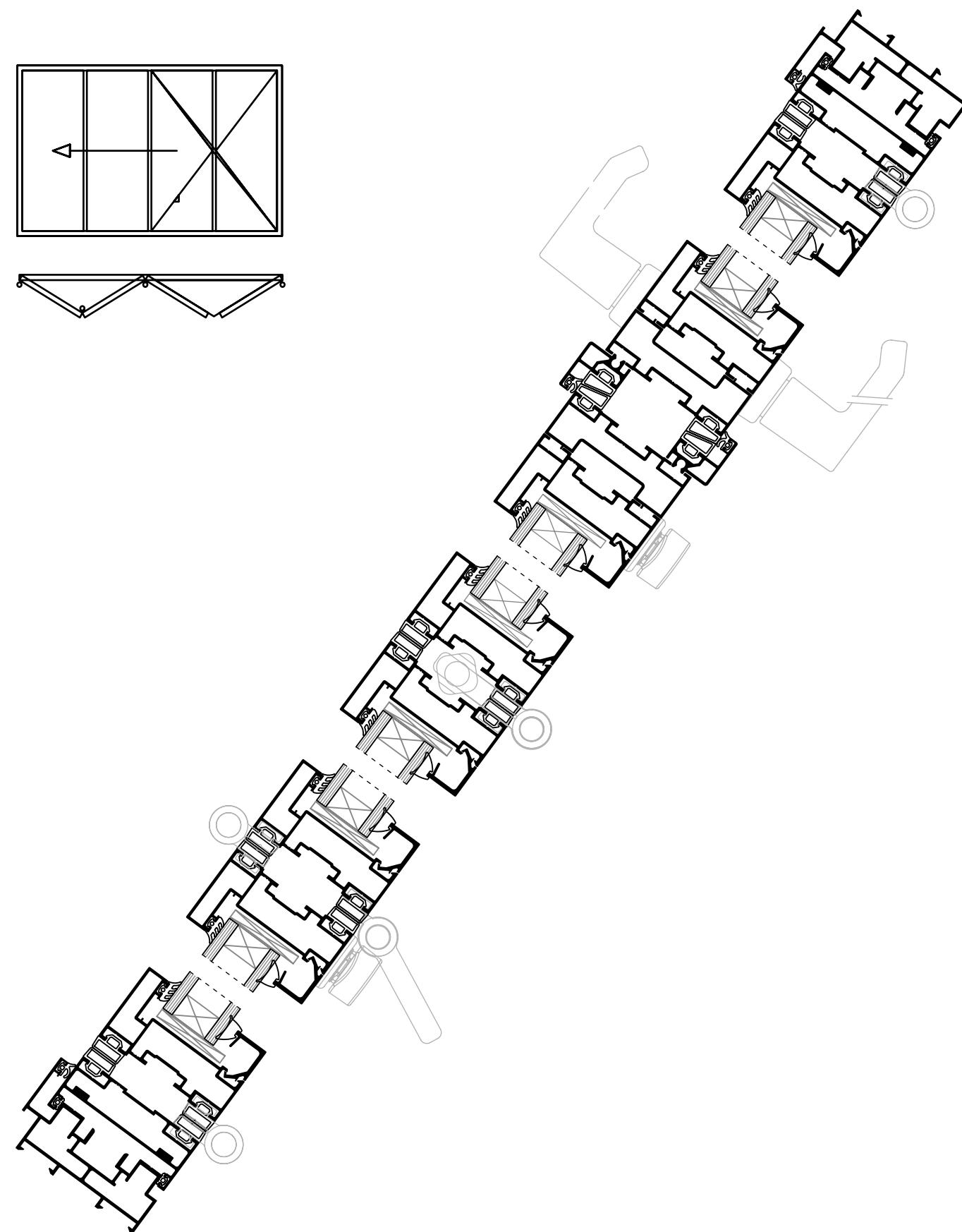
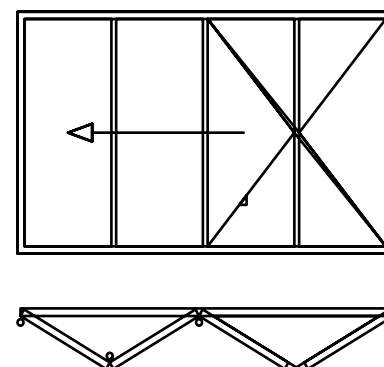
MF6500  
(double roller)



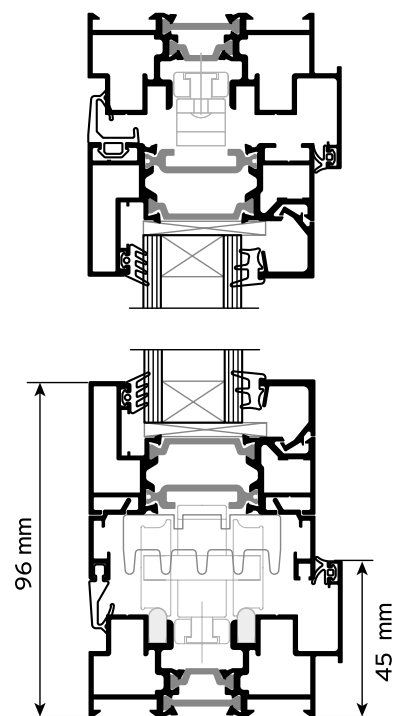
### 3+0 Opening outwards



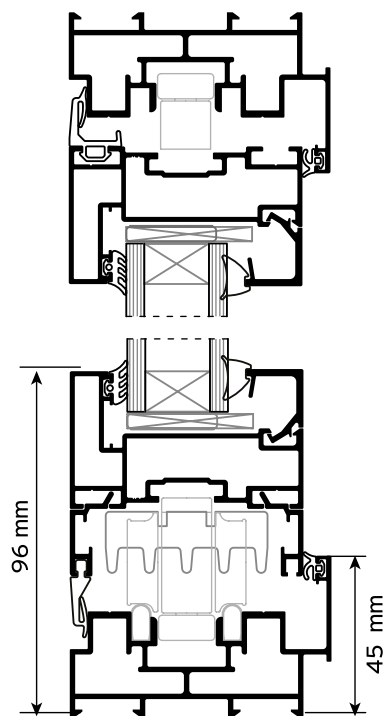
### 3+1 Opening inwards



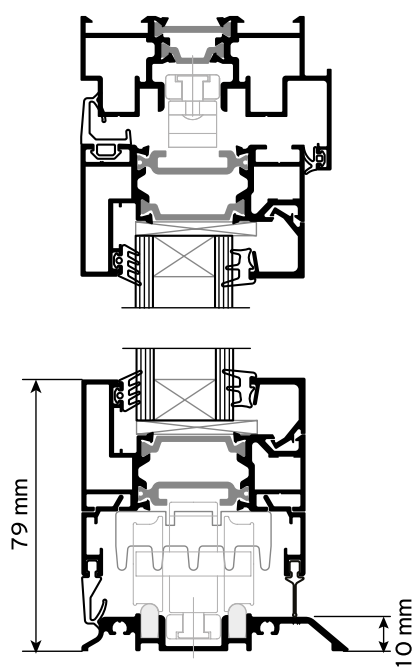
Standard thermally insulated  
threshold



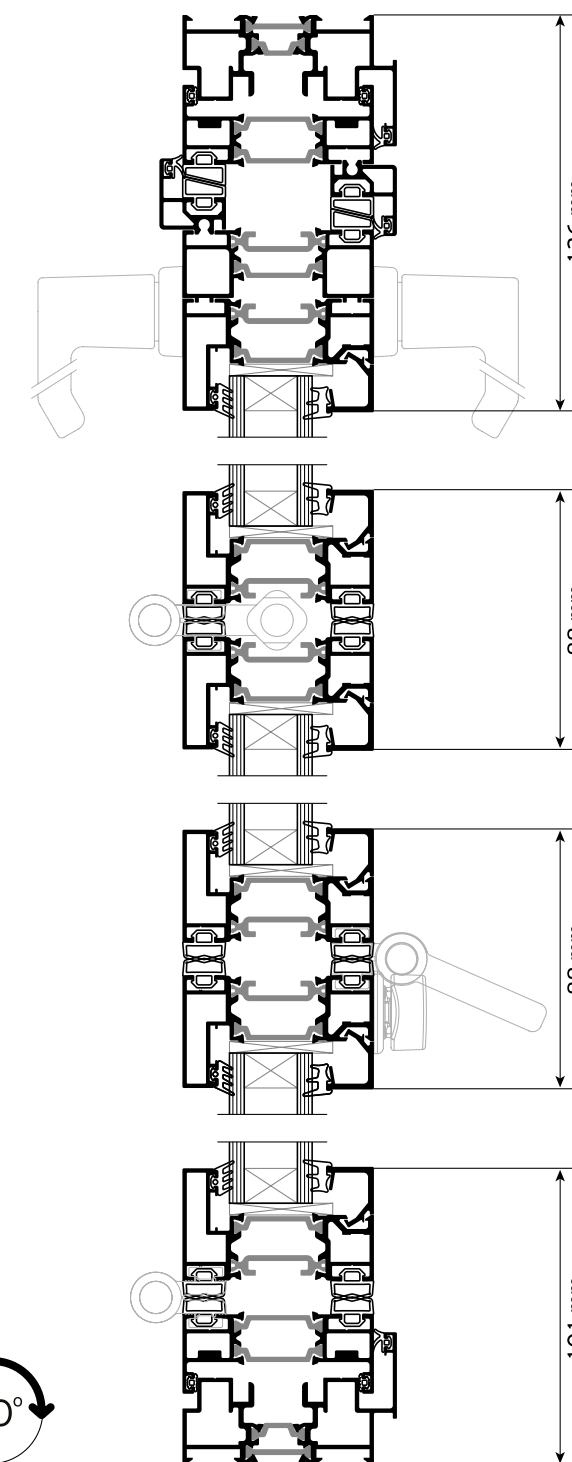
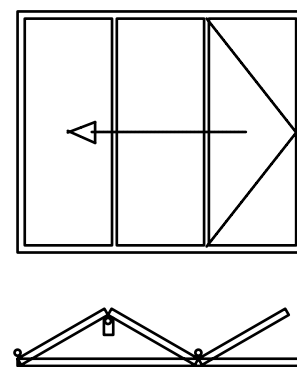
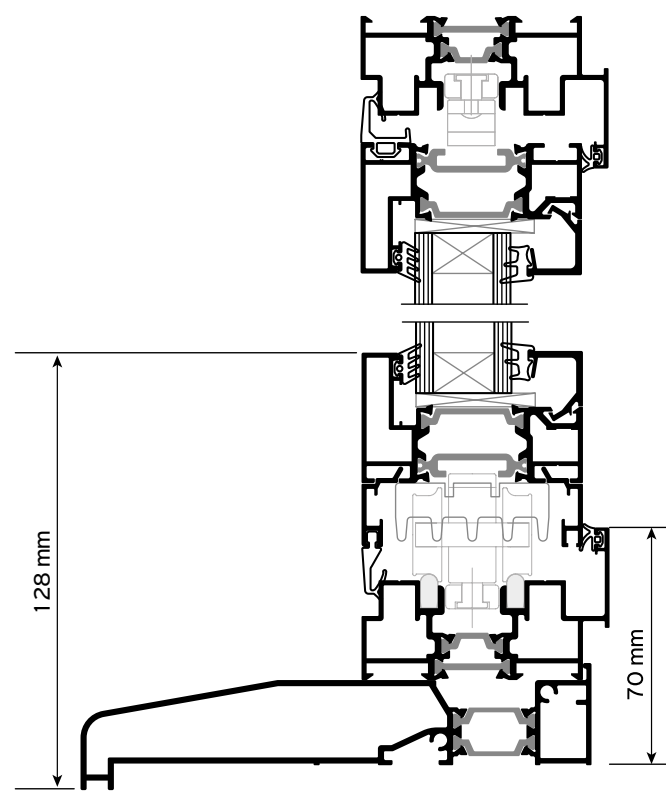
Standard non-insulated  
threshold



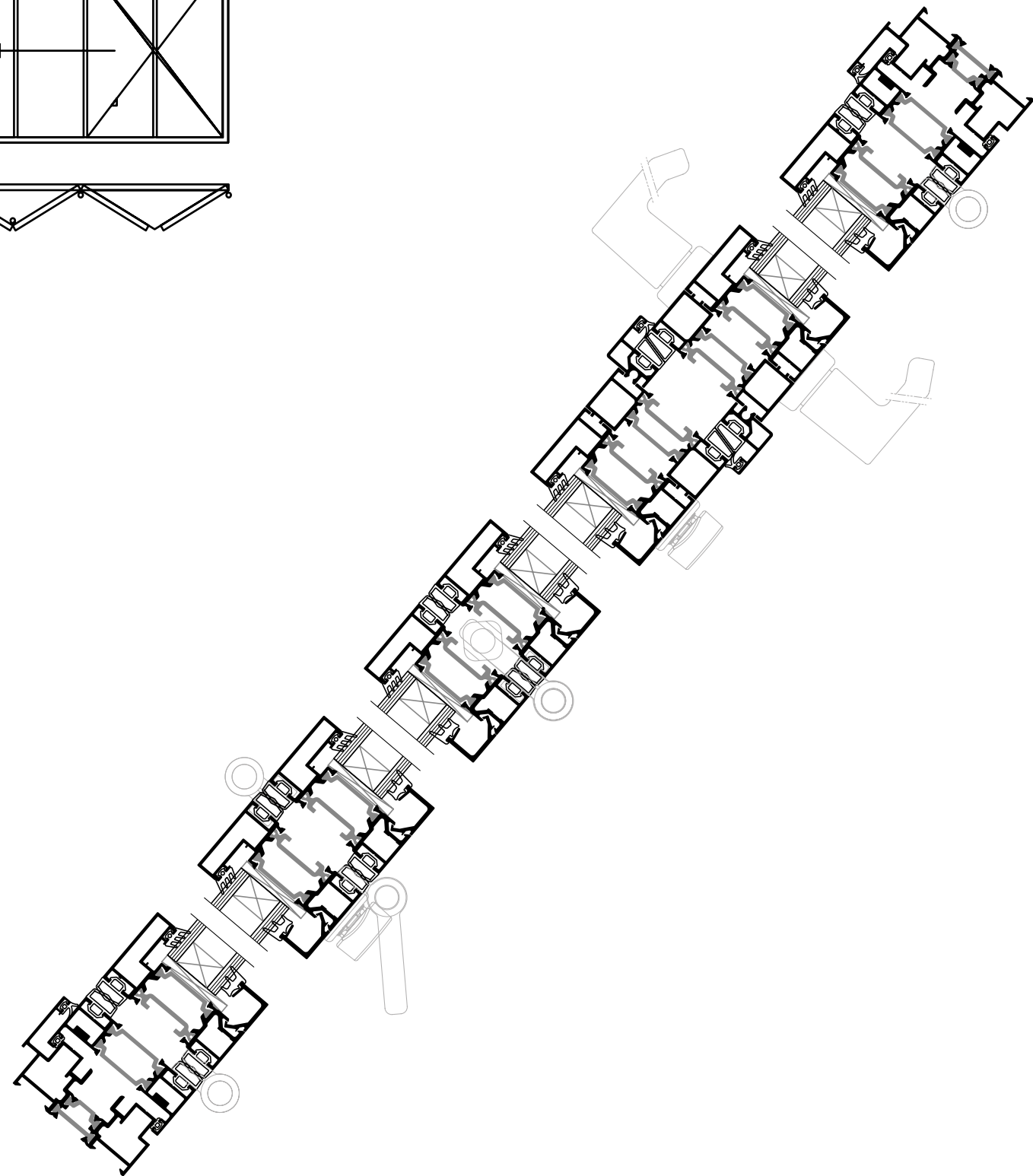
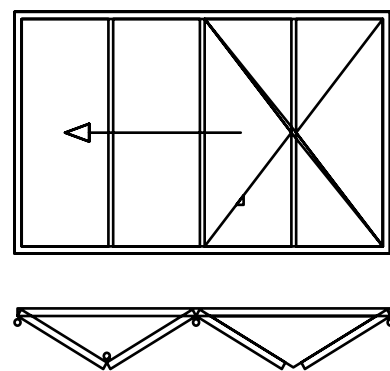
Low threshold



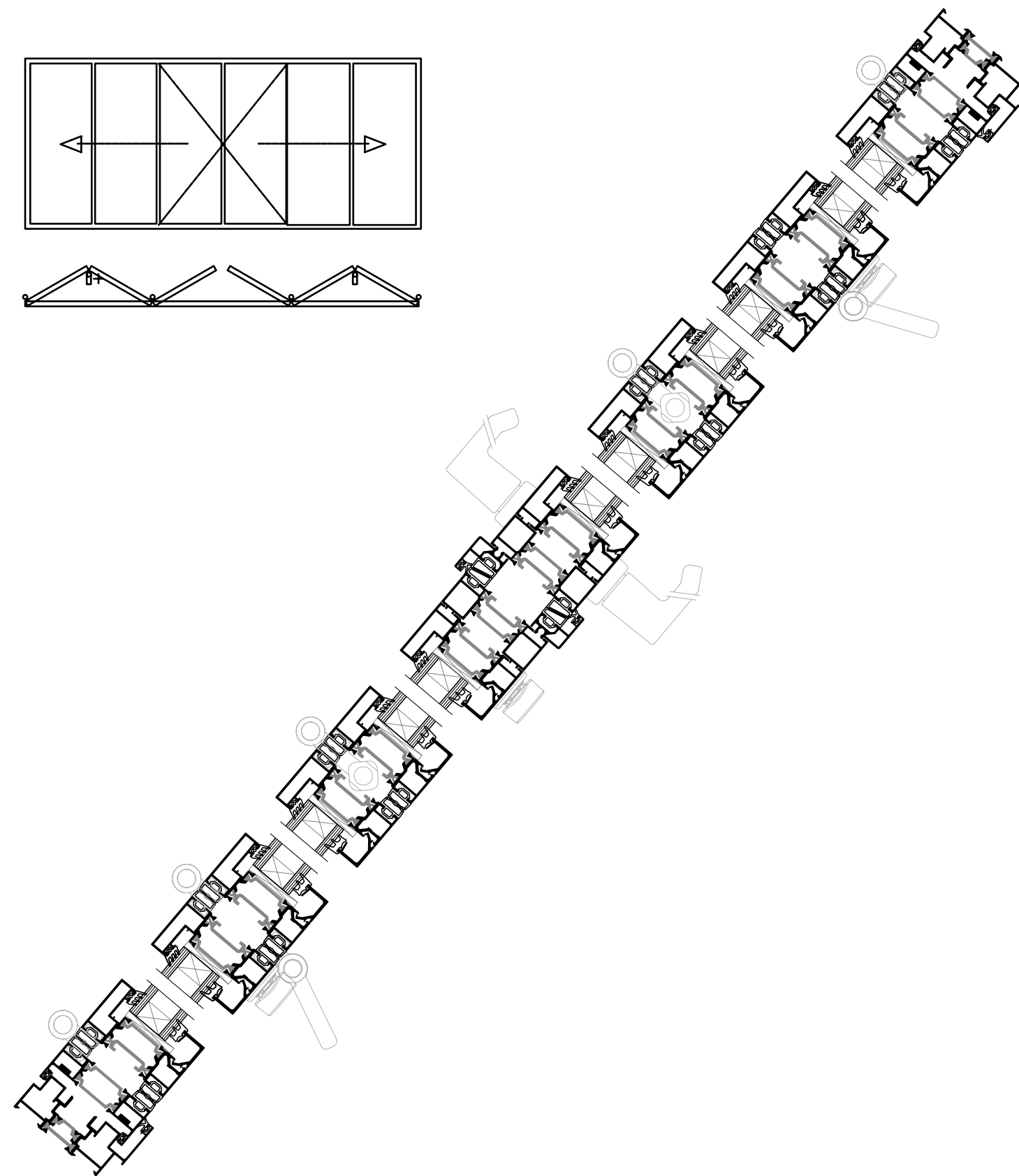
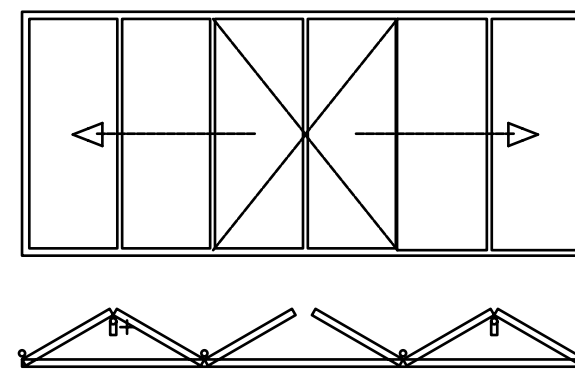
Threshold with subsill



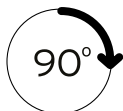
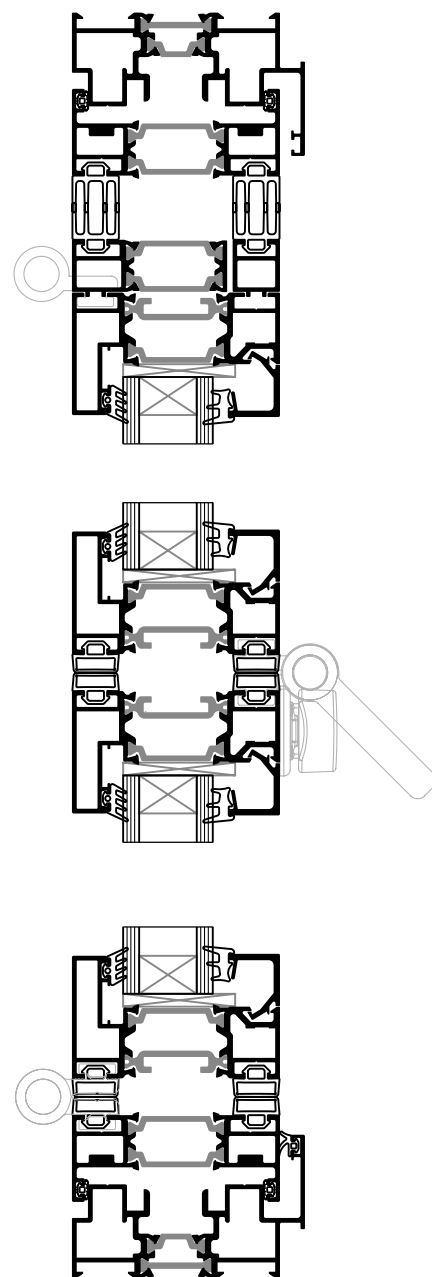
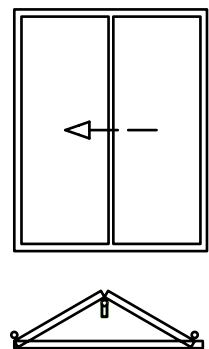
**3+1**  
Opening inwards



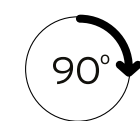
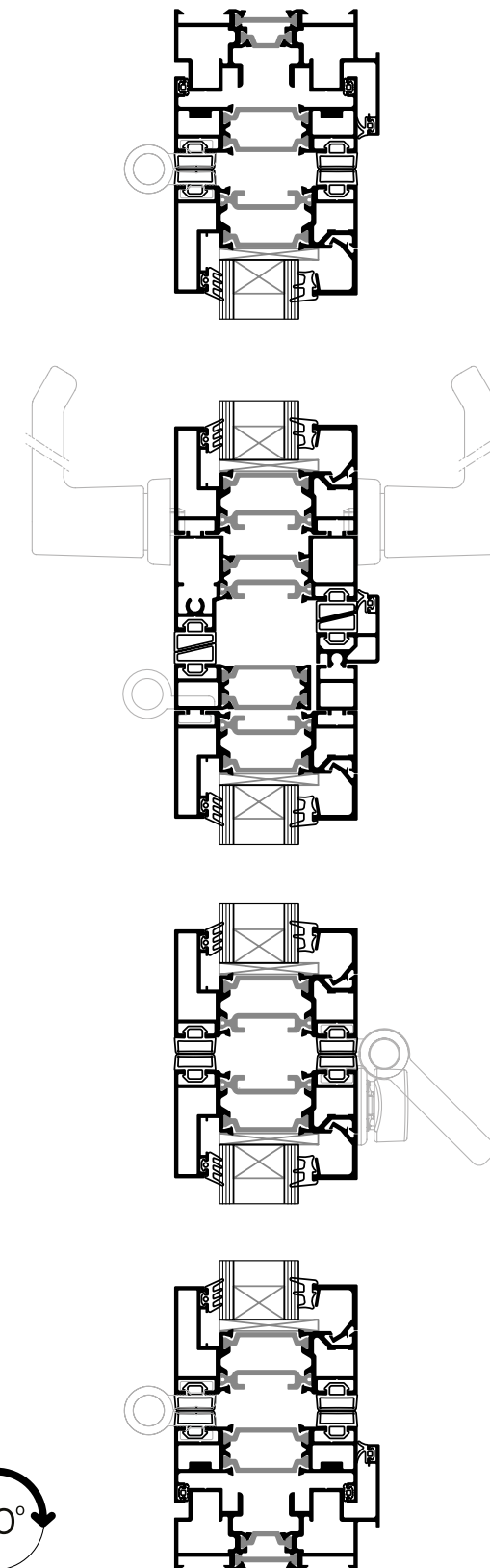
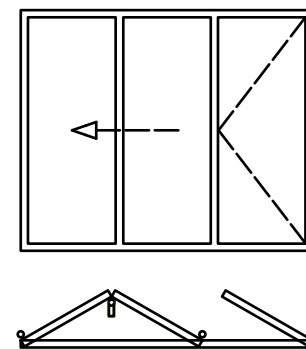
**3+3**  
Opening outwards



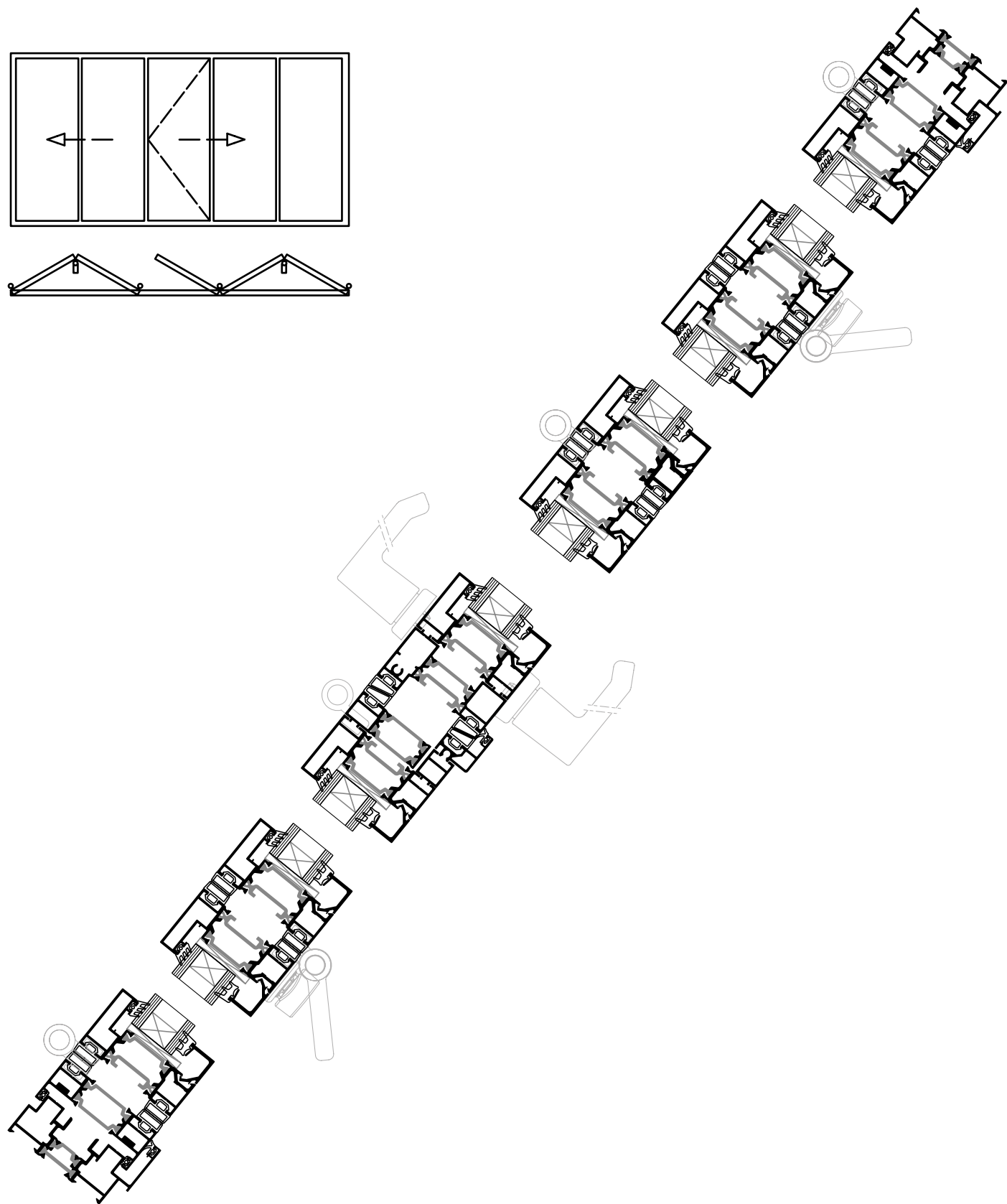
### 2+0 Opening outwards



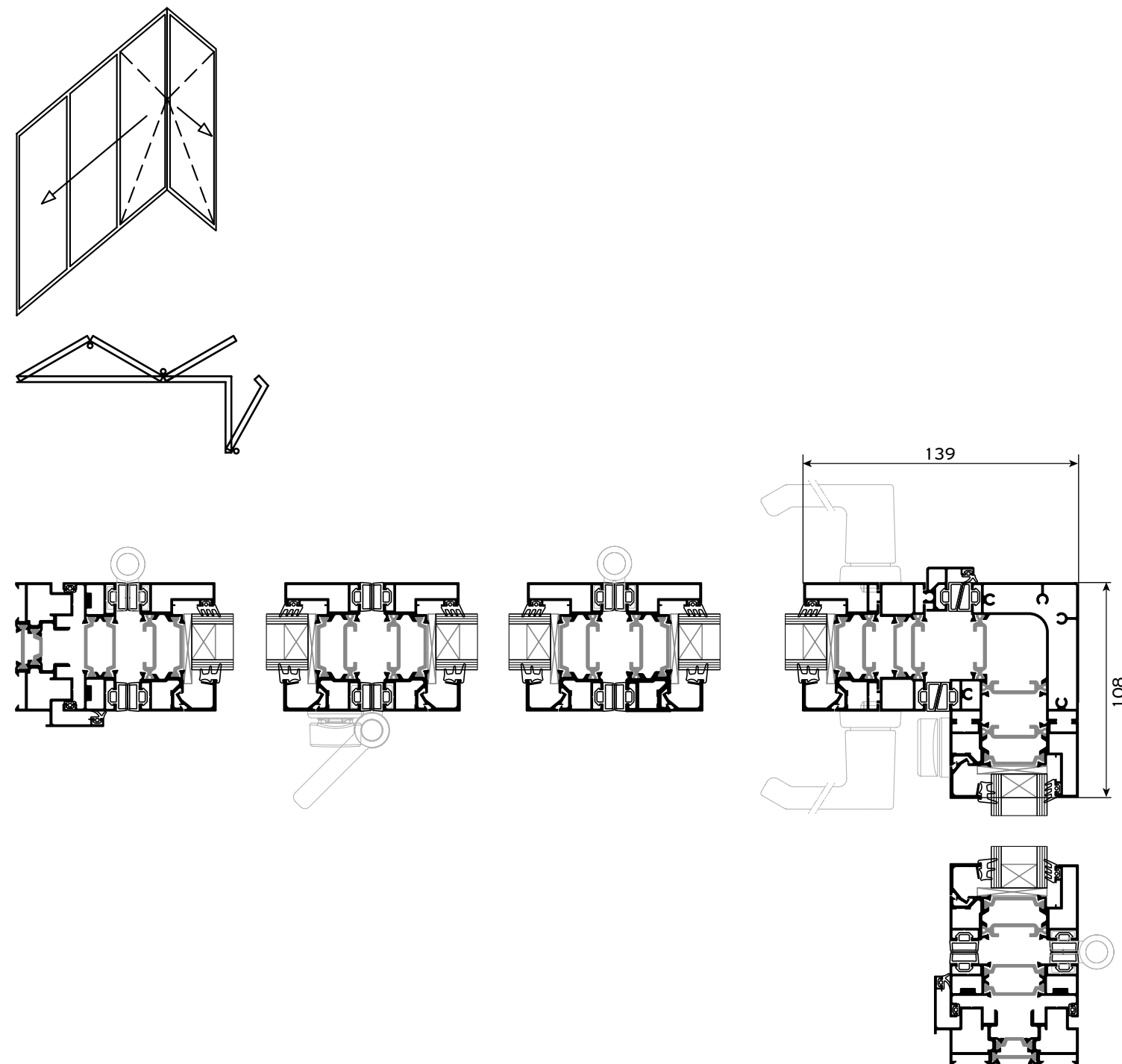
### 2+1 Opening outwards



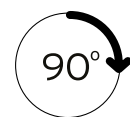
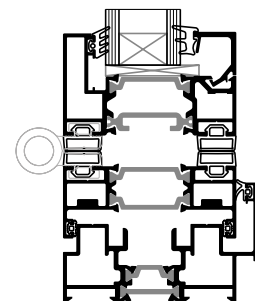
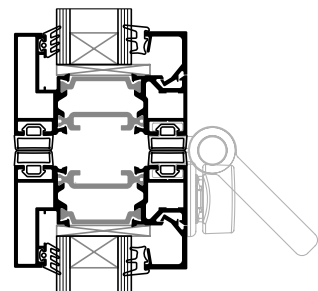
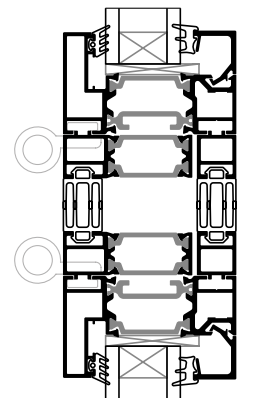
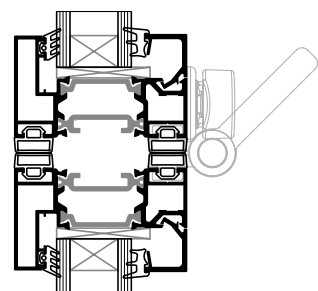
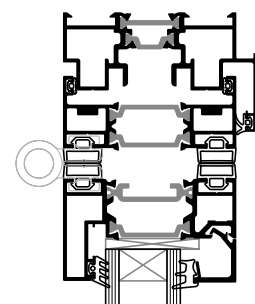
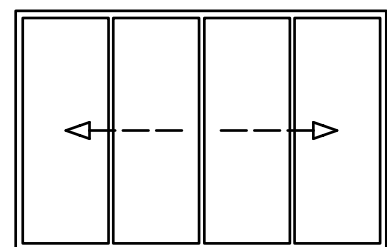
### 2+3 Opening outwards



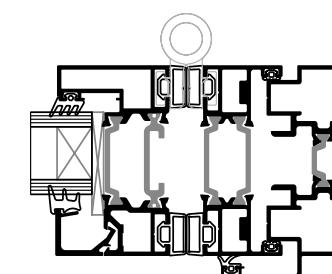
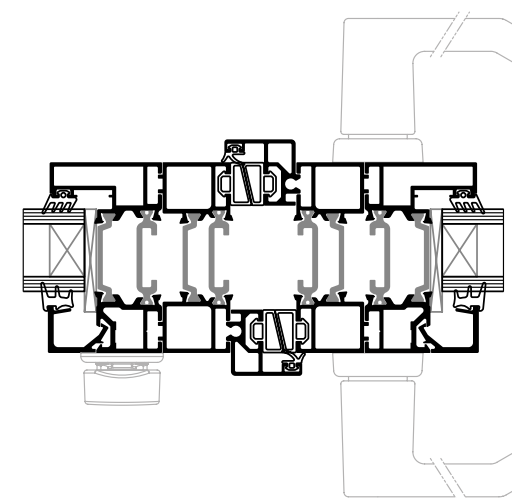
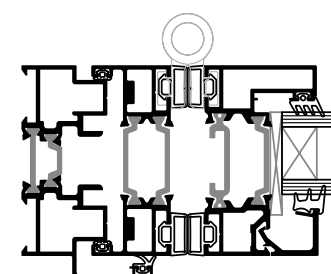
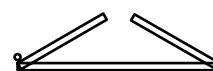
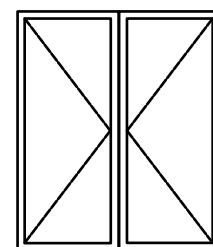
### 3+1 Corner construction

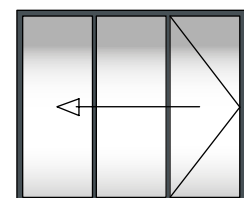


### 2+2 Opening outwards

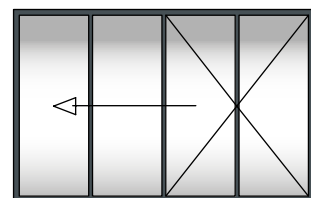


### 1+1 Opening outwards

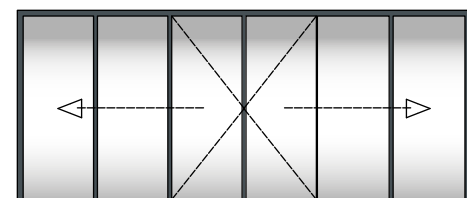




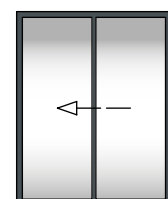
n+0



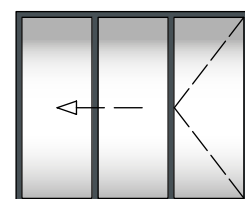
n+1



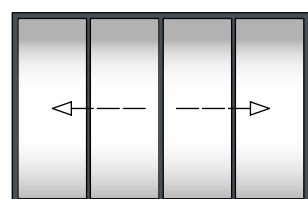
n+n



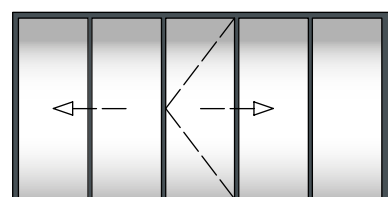
m+0



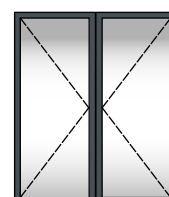
m+1



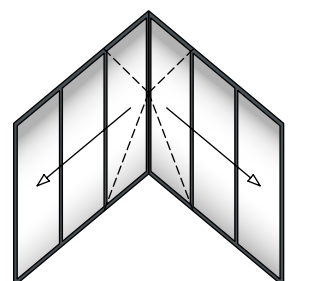
m+m



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**



**WATERTIGHTNESS**  
EN 12208



**AIR PERMEABILITY**  
EN 12207



**WIND LOAD RESISTANCE**  
MAX TEST PRESSURE  
EN 12210



**WIND LOAD RESISTANCE**  
TO FRONTAL DEFLECTION  
EN 12210

**CLASSIFICATION**

1A (0 Pa)	2A (50 Pa)	3A (100 Pa)	4A (150 Pa)	5A (200 Pa)	6A (250 Pa)	7A (300 Pa)	<b>8A (450 Pa)</b>	9A (600 Pa)
1 (150 Pa)		2 (300 Pa)		<b>3 (600 Pa)</b>		4 (600 Pa)		
1 (400 Pa)		<b>2 (800 Pa)</b>		3 (1200 Pa)		4 (1600 Pa)		5 (2000 Pa)
A (≤ 1/150)			B (≤ 1/200)			<b>C (≤ 1/300)</b>		

**THERMAL PERFORMANCE**

**DIMENSIONS IN MM  
(W x H)**

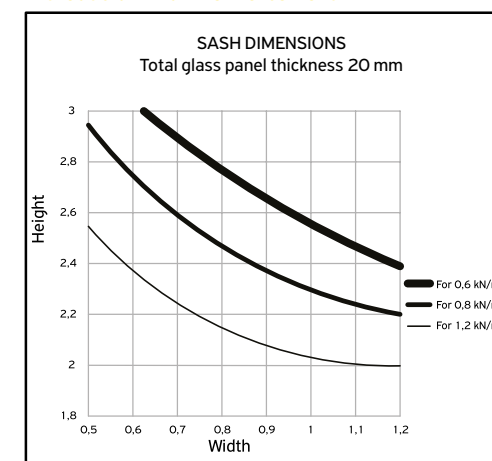
**U<sub>w</sub> in W/m<sup>2</sup>K  
(U<sub>g</sub> = 0,6)**

**U<sub>w</sub> in W/m<sup>2</sup>K  
(U<sub>g</sub> = 0,8)**

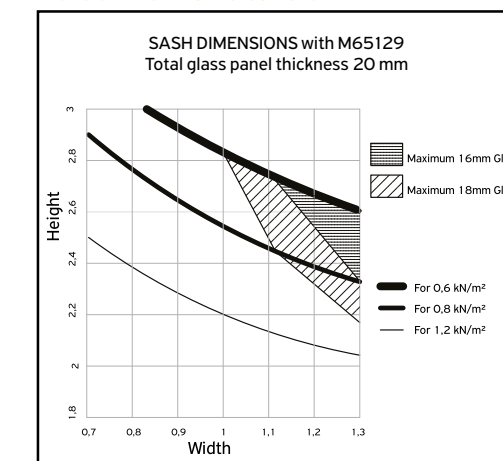
**U<sub>w</sub> in W/m<sup>2</sup>K  
(U<sub>g</sub> = 1,1)**

<b>3+0</b>	2,6 x 2,8 m	1,13	1,29	1,54
<b>3+1</b>	3,45 x 2,8 m	1,11	1,27	1,52
<b>3+0</b>	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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EN MAY 2023

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