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SMARTIA M35

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SMARTIA M35

is a cost efficient Curtain Wall system that meets the ever increasing trend of minimal design.

Its slender design renders SMARTIA M35 ideal for the demands of Transparent Architecture without compromising high performances and fuctionality.

When the panoramic view is required, whether it is a shopfront construction or a high rise building, SMARTIA M35 is the right choice.

Make it simple

but significant.

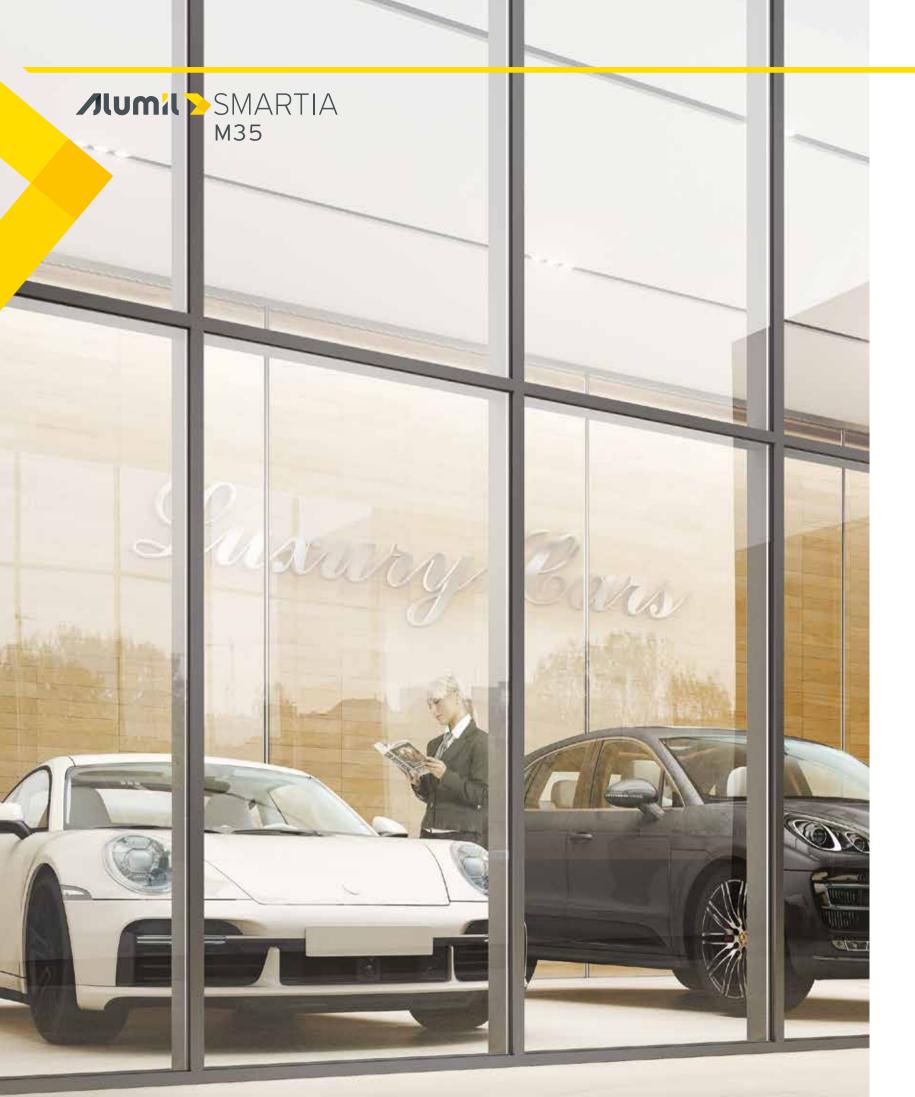
SYNOPSIS

OF CHARACTERISTICS



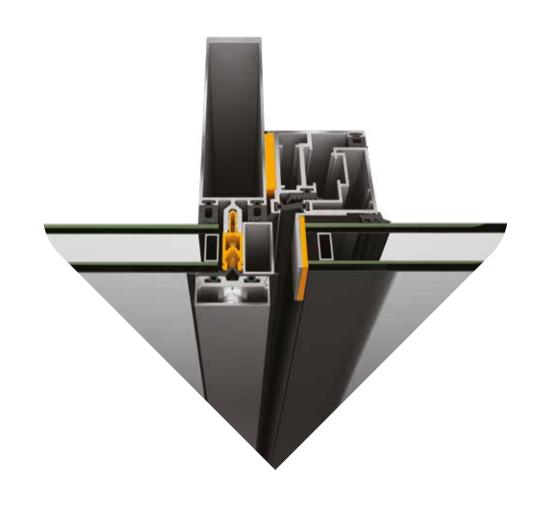
- Basic system width 35mm
- Available in standard version using aluminium caps.
- High thermal insulation thanks to special insulating materials
- Ideal for constructions that seamless appearance is specified, such as shopfronts.
- Moment of Inertia up to 500cm⁴, satisfying any structural demand.
- Glazing infill from 4mm up to 54mm
- Low fabrication cost thanks to accessories and ease of fabrication.
- Effective water evacuation system
- Implementation of various types of hinged windows: projected, parallel projected, tilt and turn and concealed sash.
- Implementation of entrance door systems.





TECHNICAL

CHARACTERISTICS

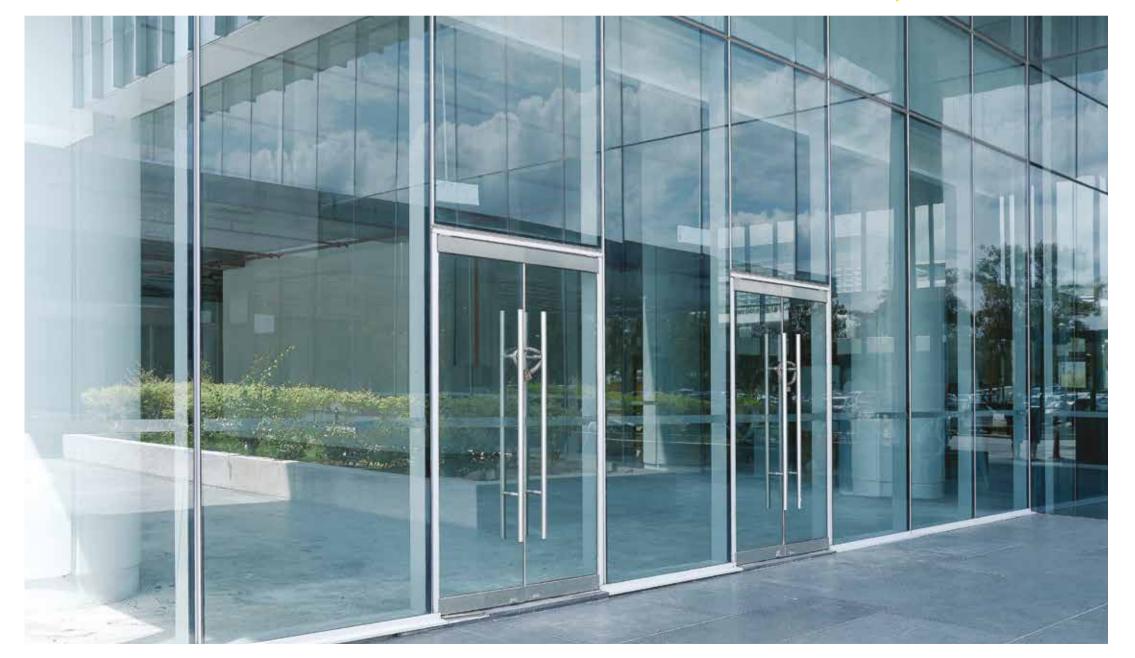


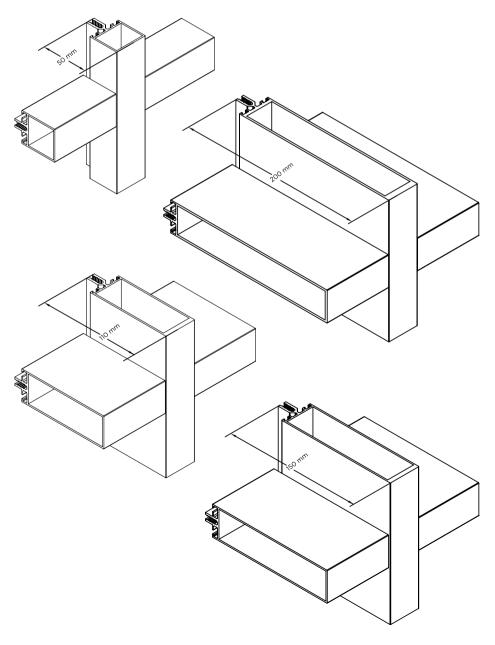
VISIBLE	35ММ
MULLION DEPTH	20-200MM
TRANSOM WIDTH	16,5-200MM
GLAZING TYPE	STICK WITH EPDM GASKETS
MULLION MOMENTS OF INERTIA	I _X =540CM ⁴ , I _Y =20CM ⁴
TRANSOM MOMENTS OF INERTIA	I _X =451CM ⁴ , I _Y =24CM ⁴

FEATURES

Coincident pairs of mullion and transom

4 available mullions and transoms pairs of the same depth, providing a symmetric aesthetic effect.





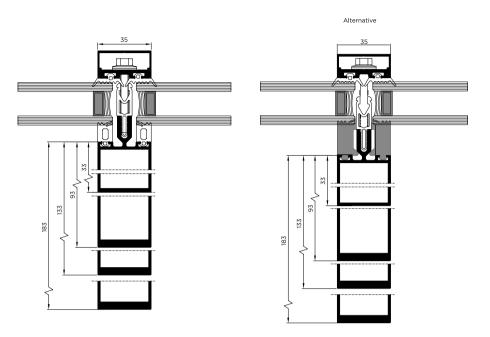


SYSTEM

FEATURES

Alternative mullion gasket

The use of a different gasket in the mullion, bigger than the usual, transposes glass unit and prevents it from breaking during installation.



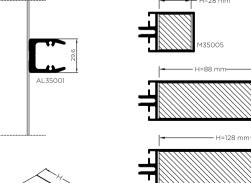
Transom connection

The use of single profile for each pair of mullion-transom instead of using different set of accessories, contributes to the system's flexibility.

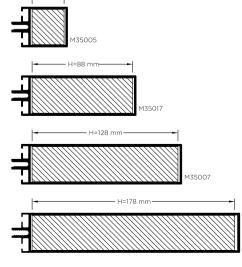
Two alternatives concerning transom milling.

- Using end cap
- Without the use of end cap

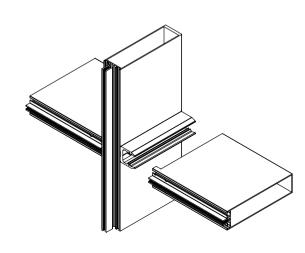
Transom Connector







Transom Milling for Connection without End Caps/

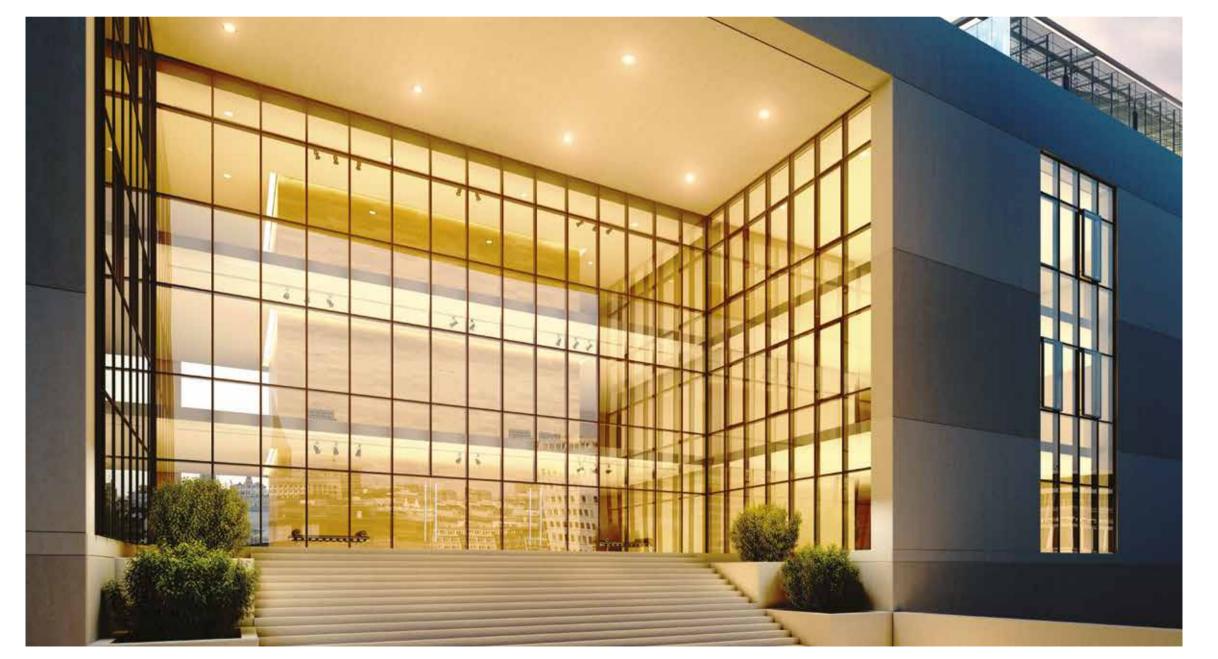


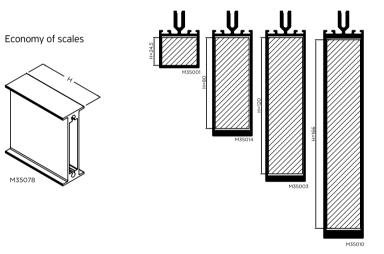
SYSTEM

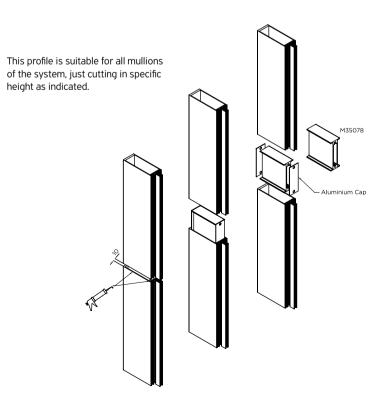
FEATURES

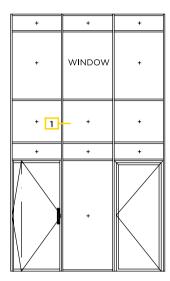
Mullion connection

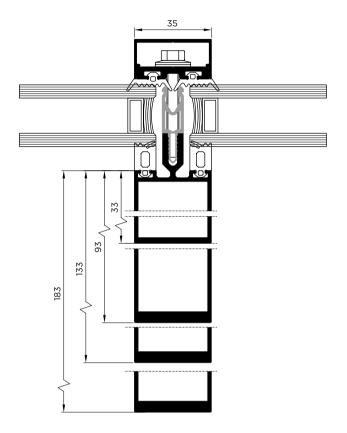
Connection between mullions, providing safe assembly and installation for facades that cover whole building envelope and not only shopfronts.

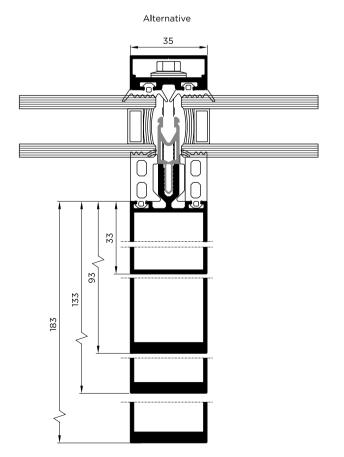


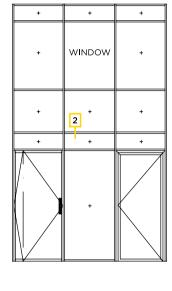


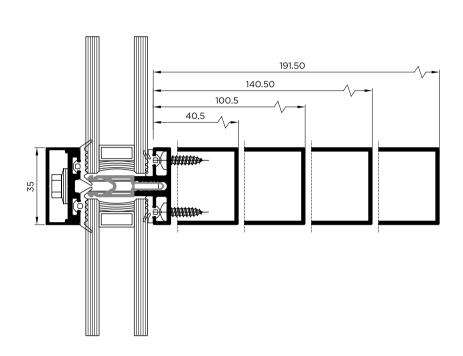


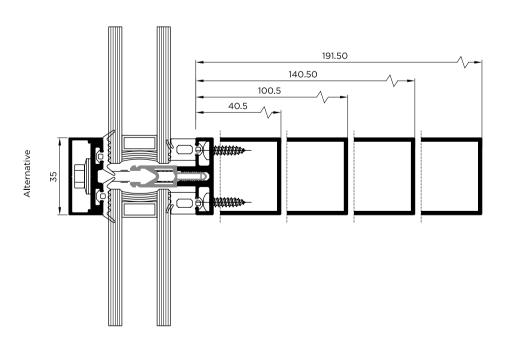




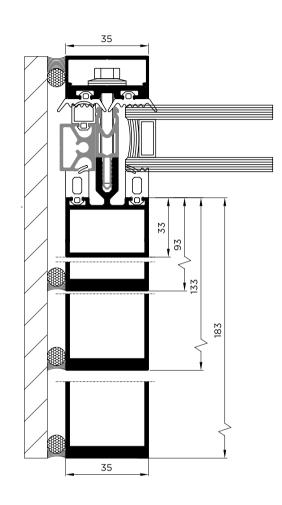




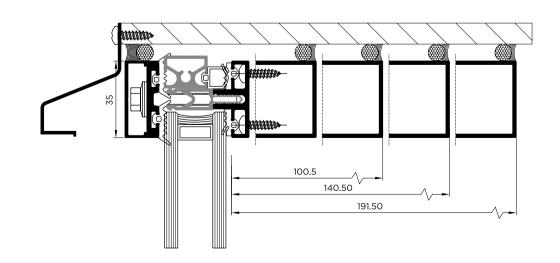




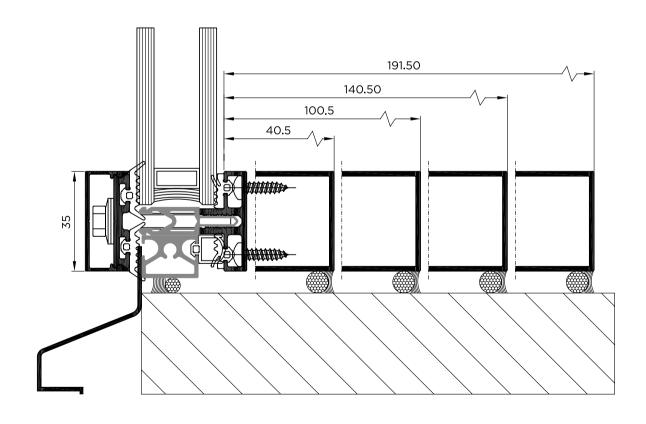
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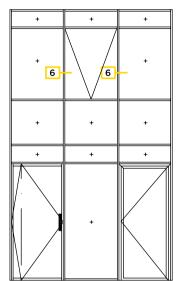


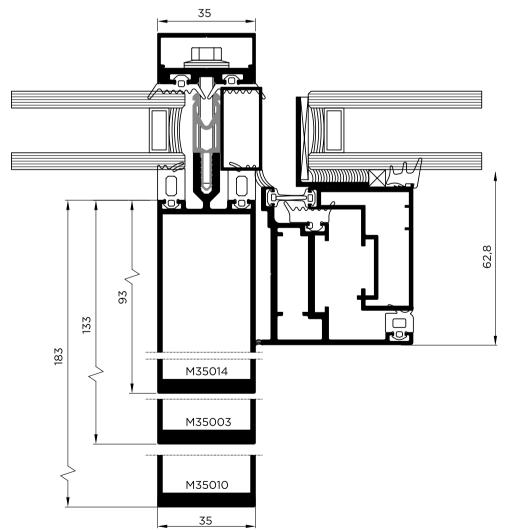
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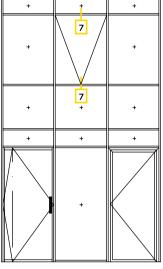


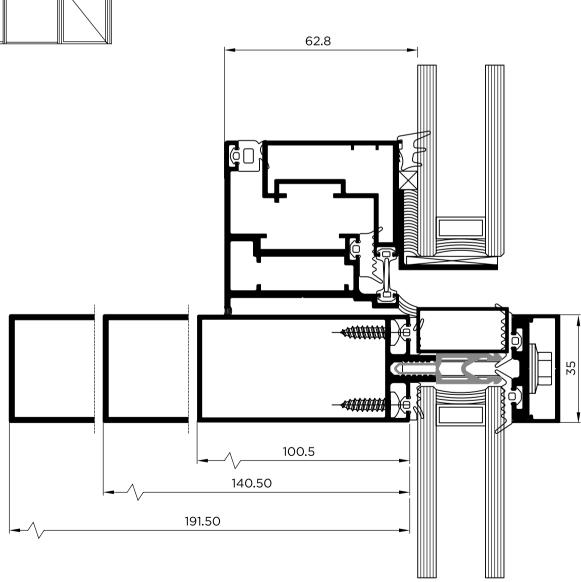
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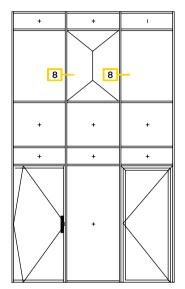


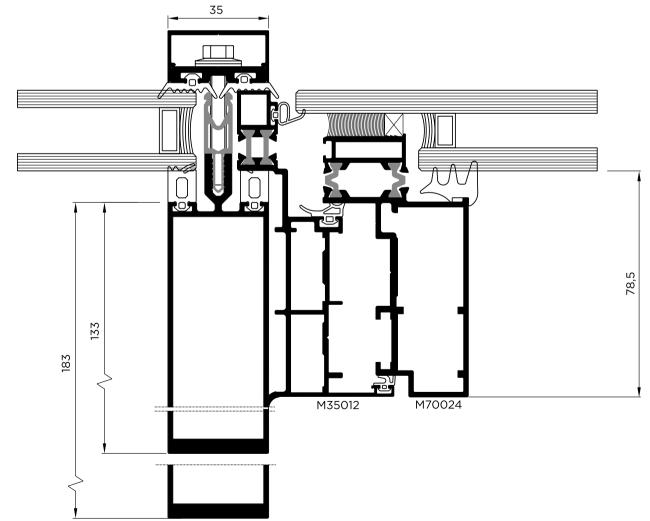


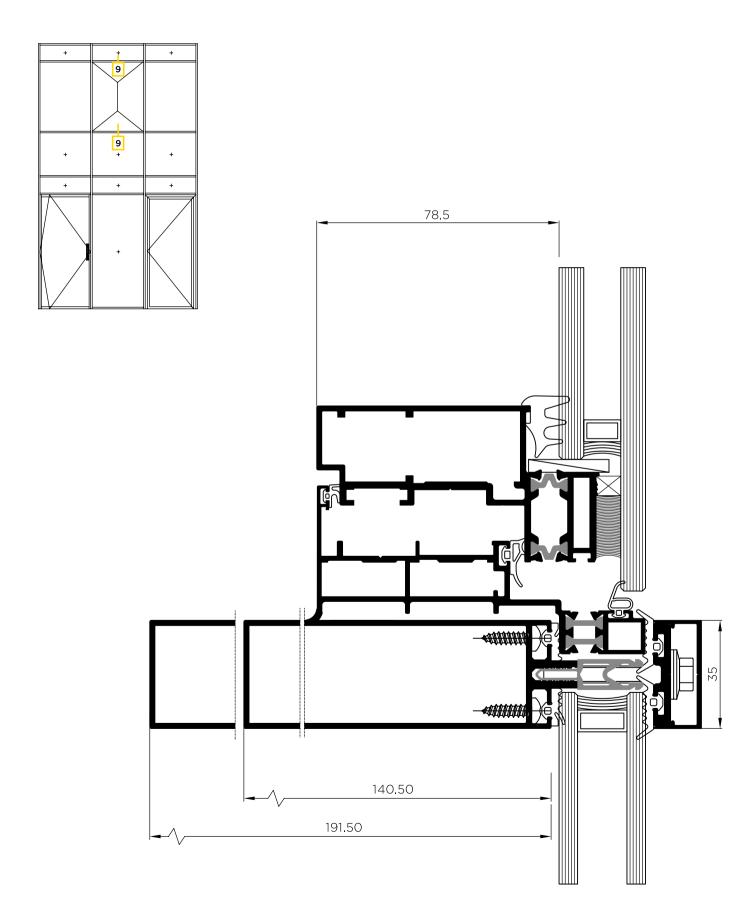


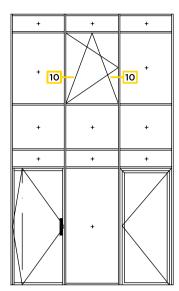


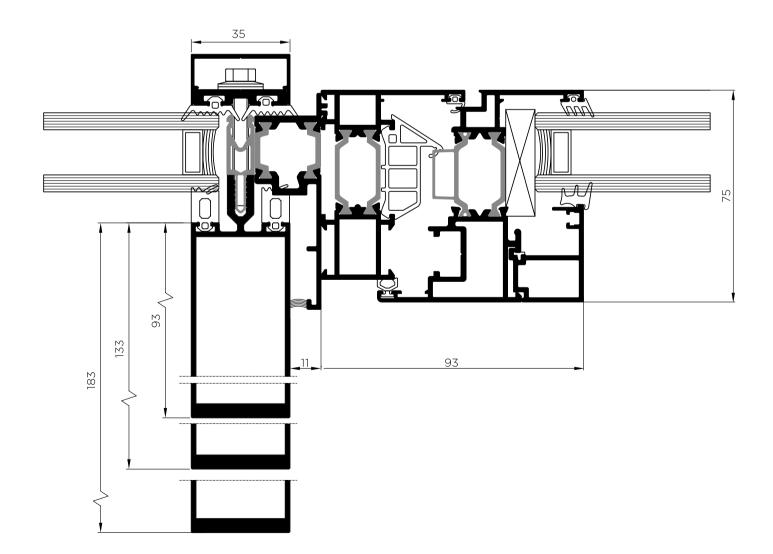


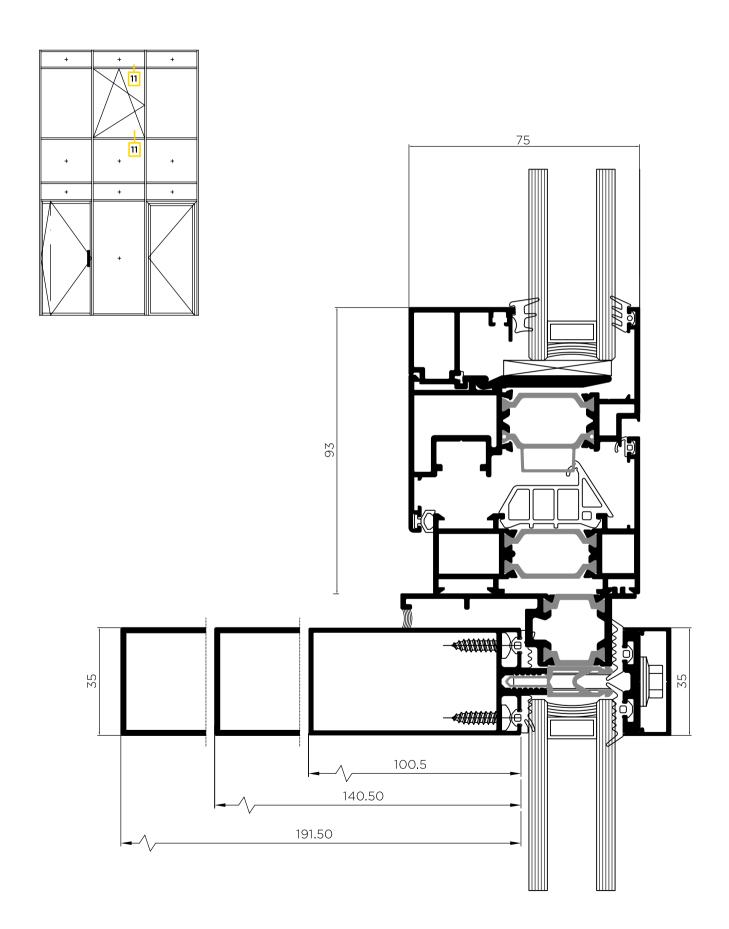


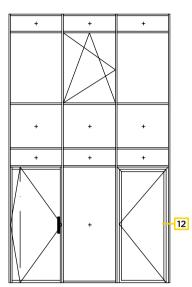


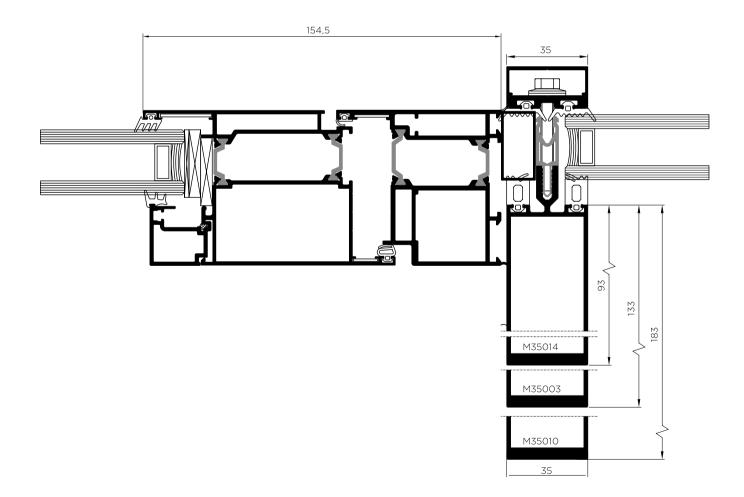


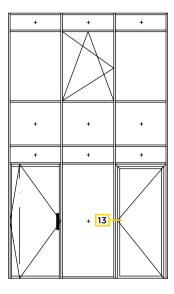


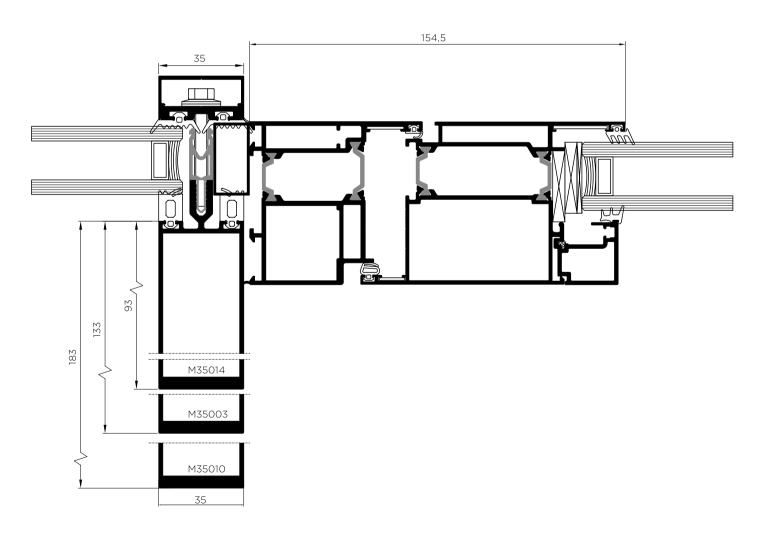




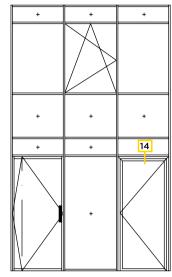


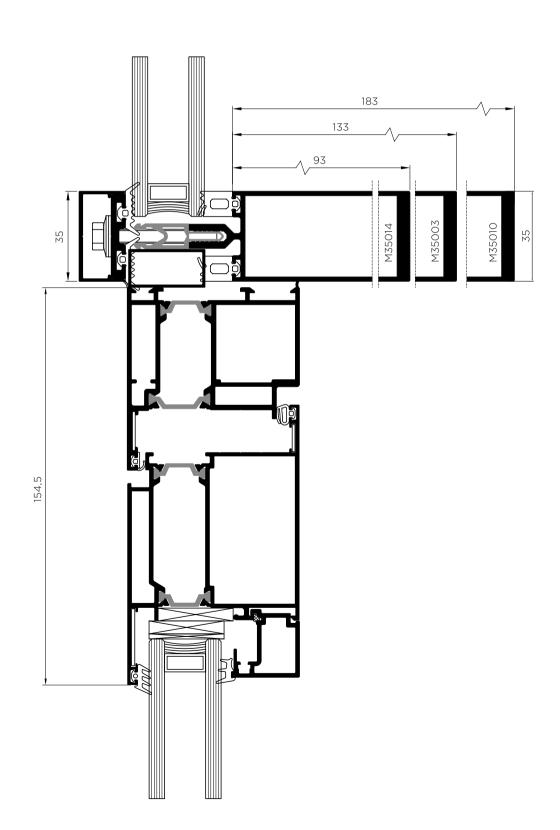


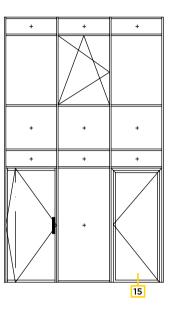


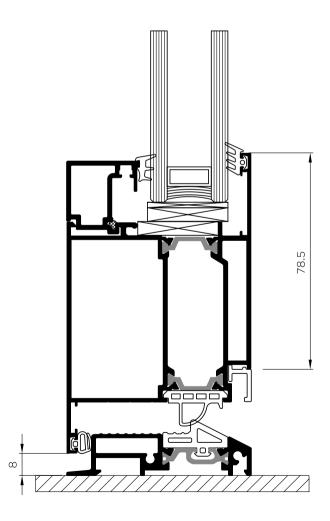


∕NUmil>SMARTIA M35





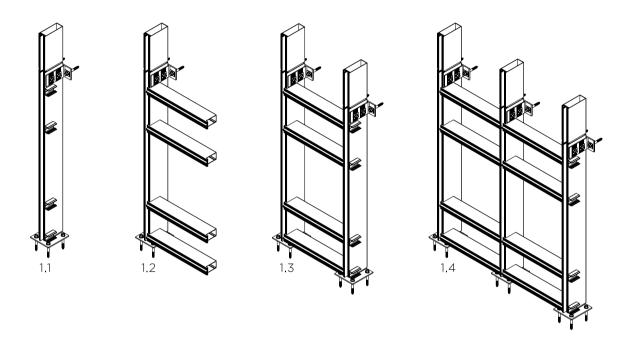


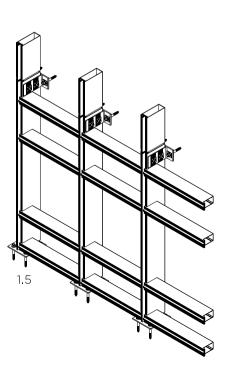


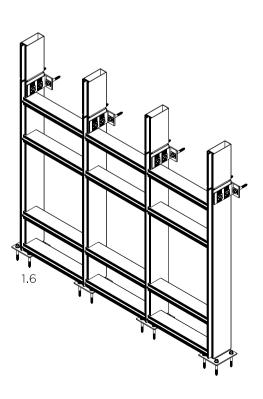


Installation

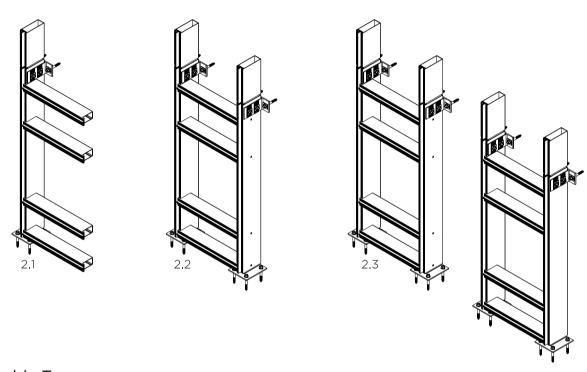
1. Assembly Mullion - Transoms - Mulion



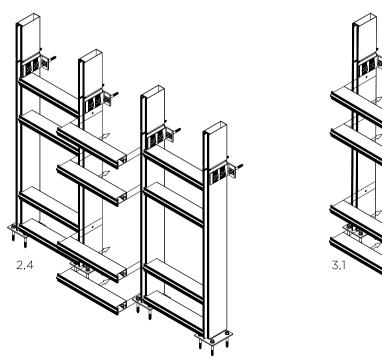




2. Assembly Ladder Elements



3. Assembly Transoms



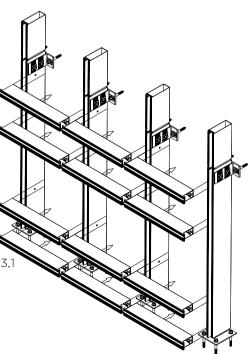


Table of performance



CERTIFICATION

CLASSIFICATION



WATER TIGHTNESS EN 12154



AIR PERMEABILITY EN 12152



WIND LOAD RESISTANCE MAX TEST PRESSURE EN 13116



THERMAL INSULATION

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A 1	A2	A3	A4	AE
(150 Pa)	(300 Pa)	(450 Pa)	(600 Pa)	(>600 Pa)
R4	R5	R6	R7	RE1050
(150 Pa)	(300 Pa)	(450 Pa)	(600 Pa)	(1050 Pa)

 $\label{eq:Uf} U_f \ down \ to \ 1,2 \ \ W/m^2K$ depending on the profile combinations and glazing thickness







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