

—HYLINE®—

HY40 BROCHURE

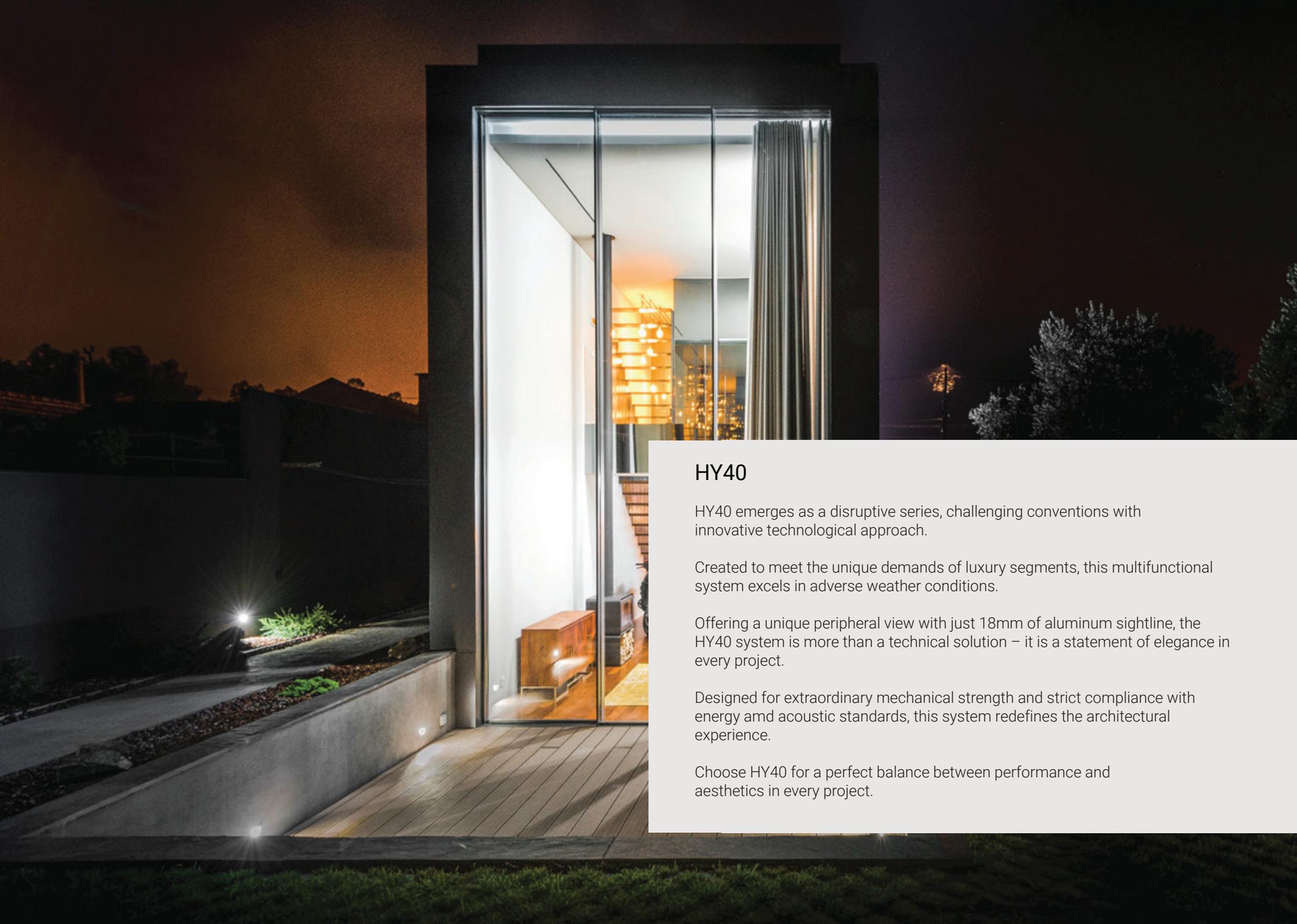
ENG Version.1 | 2025

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01

TECHNICAL DETAILS



HY40

HY40 emerges as a disruptive series, challenging conventions with innovative technological approach.

Created to meet the unique demands of luxury segments, this multifunctional system excels in adverse weather conditions.

Offering a unique peripheral view with just 18mm of aluminum sightline, the HY40 system is more than a technical solution – it is a statement of elegance in every project.

Designed for extraordinary mechanical strength and strict compliance with energy and acoustic standards, this system redefines the architectural experience.

Choose HY40 for a perfect balance between performance and aesthetics in every project.

TECHNICAL DETAILS*

PERFORMANCE

Air permeability	Up to Class 3
Water tightness	Up to Class 8A
Resistance to Wind Load	Up to Class C5
Accoustic performance	39 (-1; -2; 0; -3) dB

CYCLES

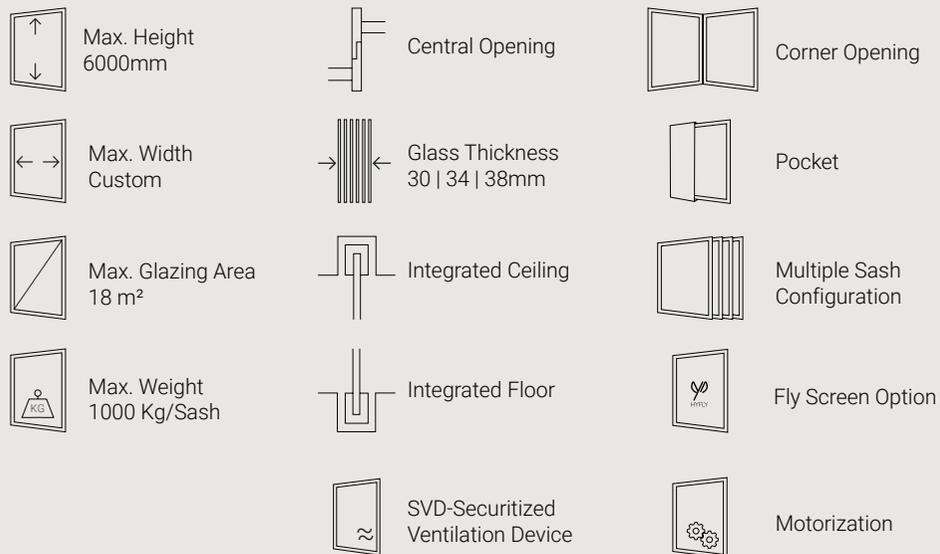
Resistance to repeated opening and closing	37 500 Cycles
Determination of the operating forces of windows	
Commence Opening	Class 1
Commence Closing	Class 1
Engage Hardware	Class 2

FEATURES

Alarm and Air conditioner sensors
 Electromagnetic Lock
 Frame integrated handles
 Multipoint lock
 Wall integrated and weathertightness lock box system
 Concealed Bearings
 18mm PERIMETRAL VIEW
 Smallest central mullion in the world | 18mm | Patented

SURFACE TREATMENT*

HYLINE Colour Essentials (Ral Colores STD)
 HYLINE Natural Metals (Qualanod EURAS Class 2 STD)
 HYLINE Advanced Coating (Hiper Durable Finishings)
 HYLINE Luxury Collection under Qualicoat Seaside Standards

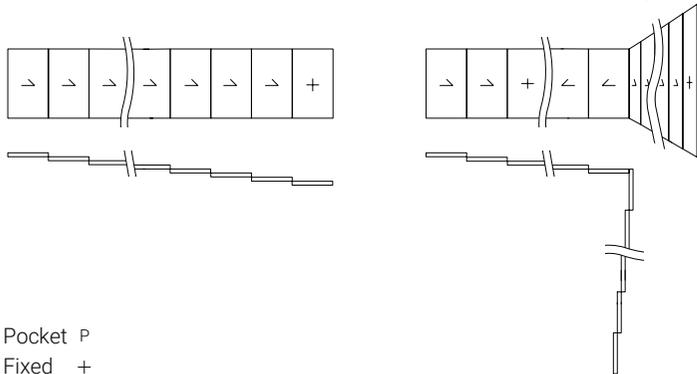
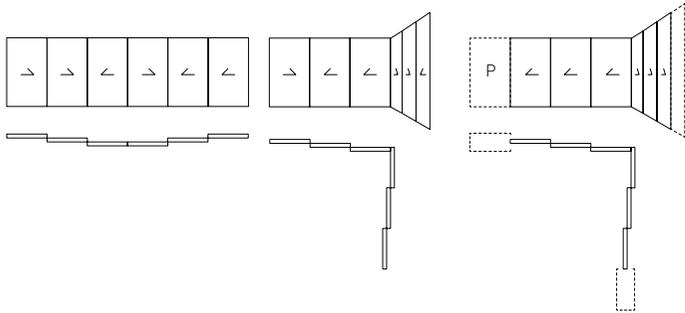
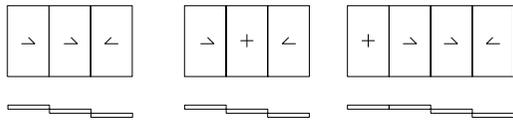
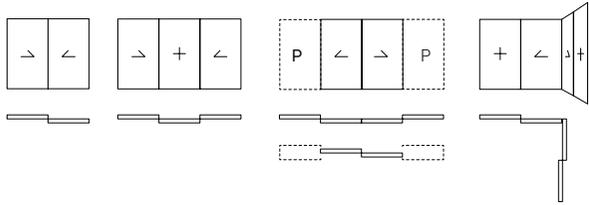
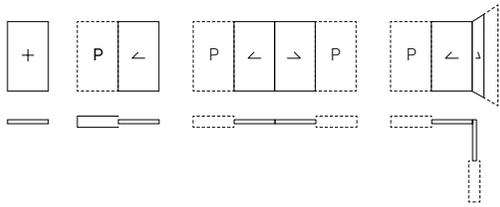


The presented product data is correct, except for typographical errors.

* For detailed information contact HYLINE

TYOLOGIES

UNLIMITED NUMBER OF RAILS

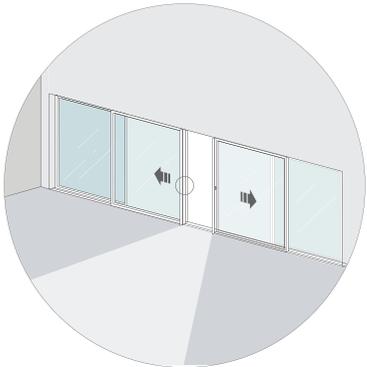


Pocket P
Fixed +

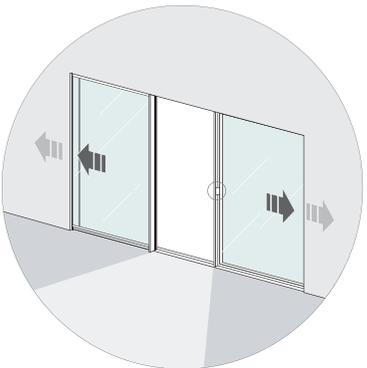
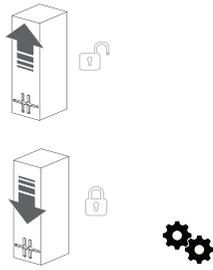


OPTIONS

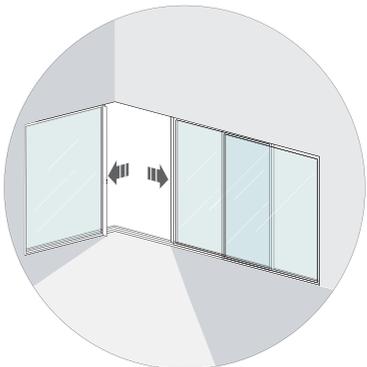
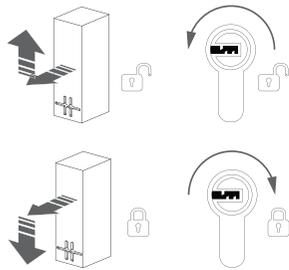
SLIDING WINDOWS | CORNER



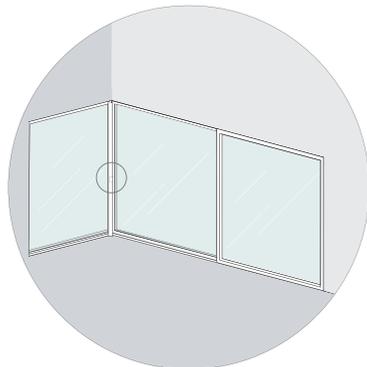
sliding windows/doors with central opening



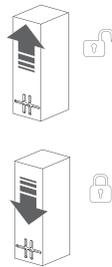
sliding windows/doors with central opening



Corner System | Opened

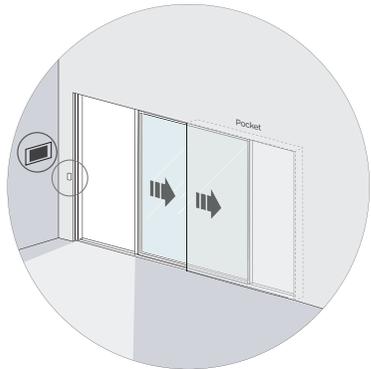


Corner System | Closed

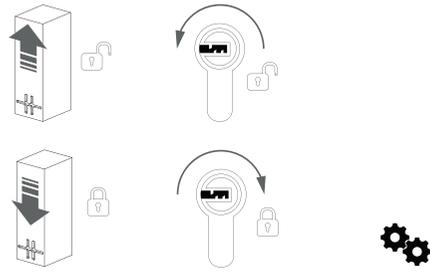


OPTIONS

SLIDING WINDOWS | POCKET

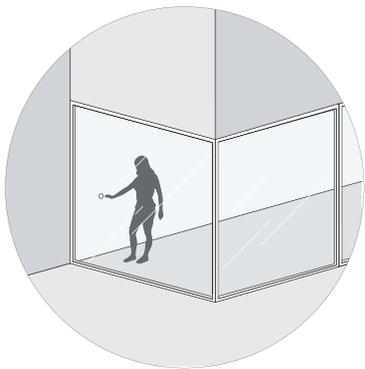


Pocket System | Closed

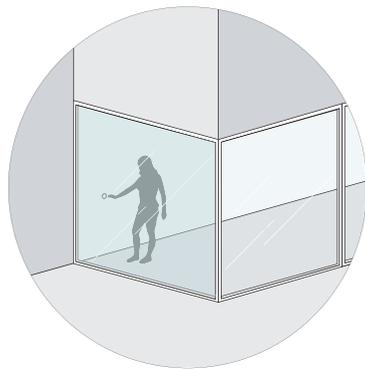




OPTIONS



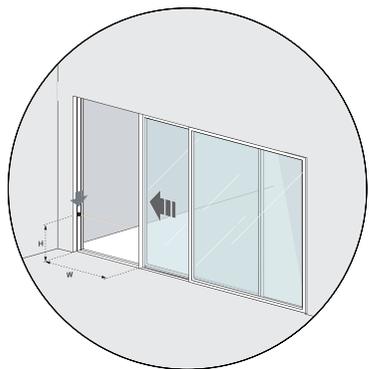
S.O.G Inactive



S.O.G Active

HYLINE SOG

Smart opacity glass guarantee privacy making the glass opaque by clicking on the push button or wireless remote.

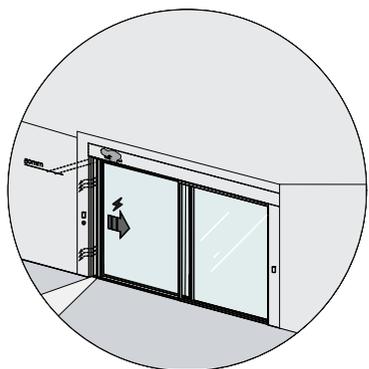


Anti-crush SecuritySystem

- Height application
"H" = 200mm
- Range
"W" = min. 200mm
max. 500mm

ANTICRUSH SECURITY SYSTEM LED PHOTO SENSOR SECURITY SYSTEM

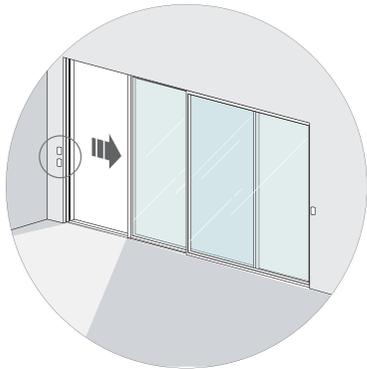
LED infrared photo sensor device with a maximum detection range of up to 500mm, regardless of reflectivity and surface color. In this case, the window will block the HYMOTOR movement of closing the sash against the jamb in case of detection of a moving or static body within the reading spectrum of the diffuse Photo Sensor device.



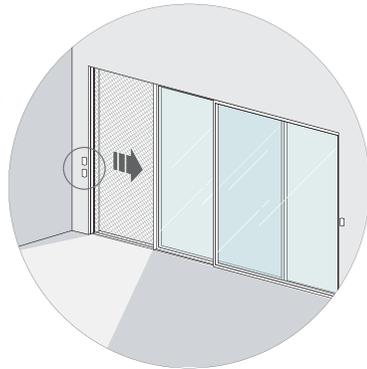
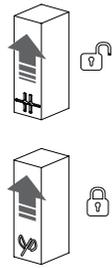
SVD - Securitized Ventilation Device

HYLINE AIR RENOVATION SVD-SECURITIZED VENTILATION DEVICE

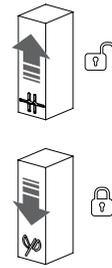
Sliding systems can be equipped with a limited electromechanical opening for air renewal with positioning sensor. This special 50mm opening can be activated with the click of a dedicated push button, allowing the mobile sash to remain fully secure.



HYFLY Screen Disabled



HYFLY Screen Engaged



FLY SCREEN SYSTEM HYFLY

The fly screen system is a perfect, easy to use solution to naturally ventilate your home while being an effective protection against insects and pollen.

This manual or automatic system is fully integrated in the frame, only being visible when in use.

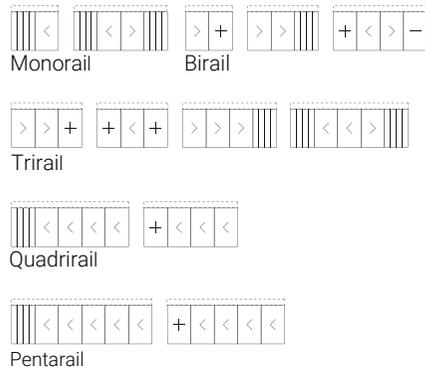


reddot award 2018

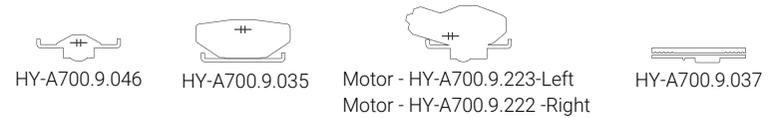
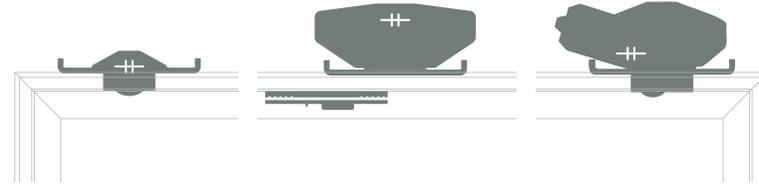


OPTIONS

TOP MOTOR

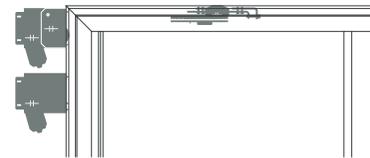
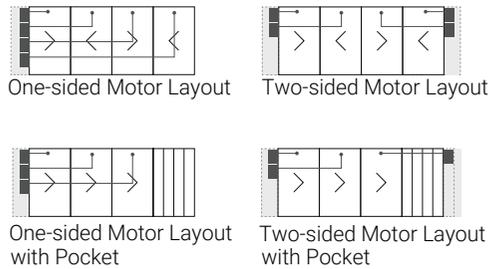


> Mobile + Fixed ▨ Pocket ■ Motor ▨▨▨ Motor System reserve



A top reserve of **150mm** must be assured to receive the motorized system

LATERAL MOTOR

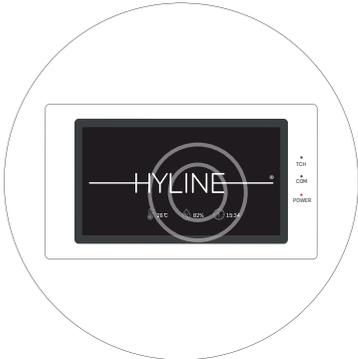


Reserve Width = 1 motor = 200mm min
2 motors = 300mm min
3 or more motors = Under consultation

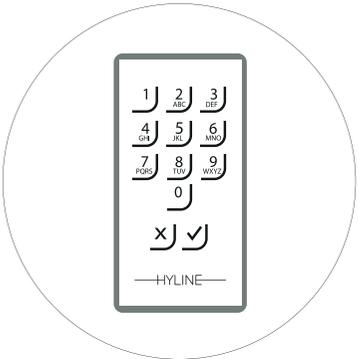
A motorization system was developed that magnetically transmits movement from the motor to the sash when the motorized opening or closing commands are activated, while also allowing the possibility of moving the sash like a manual system in case of power failure.

This system uses a steel mesh belt to provide traction between the motor and the sash and was developed with adjustment capabilities in mind in order to control belt tension, offer greater operating precision and significantly reduce operation noise.

HYLINE ELECTRICAL SYSTEM CONTROL OPTIONS
OPEN TO WORK AND COMMUNICATE WITH ANY AUTOMATION SYSTEM *



Touch Display



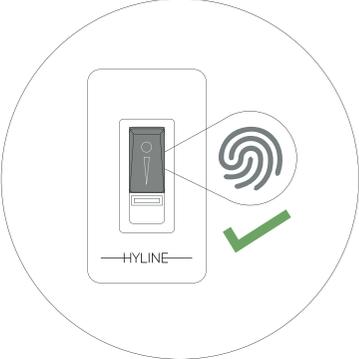
Keypad Digicode



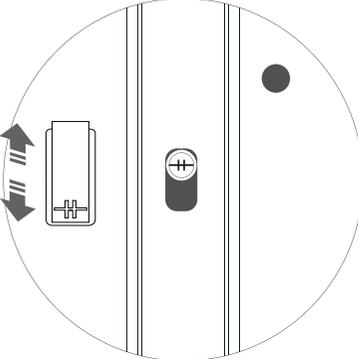
Remote Control



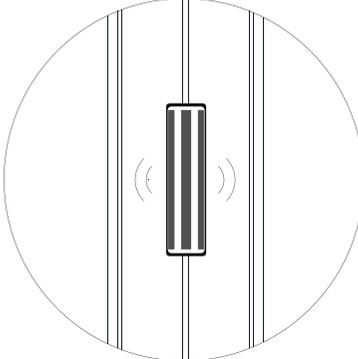
Buttons



Biometric Finger Scan



Multipoint lock
Manual or automatic



Eletromagnetic Lock

* BMS-Building Management Systems

GLAZING THICKNESS OPTIONS
AVAILABLE FOR ALL FLOOR/CEILING SOLUTIONS

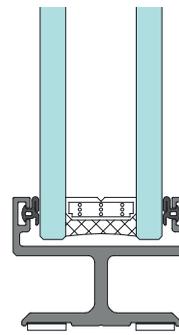
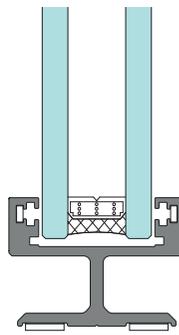
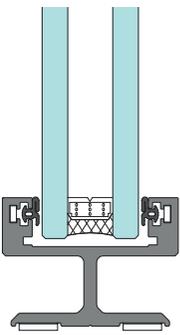


FLUSH GLAZING OPTIONS

30mm

34mm

38mm

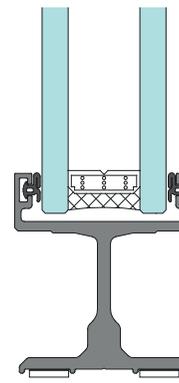
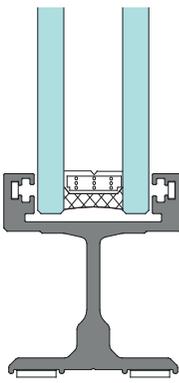
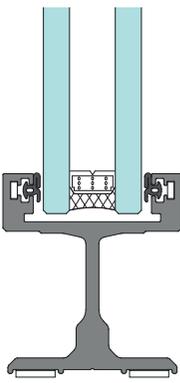


INTEGRATED GLAZING OPTIONS

30mm

34mm

38mm

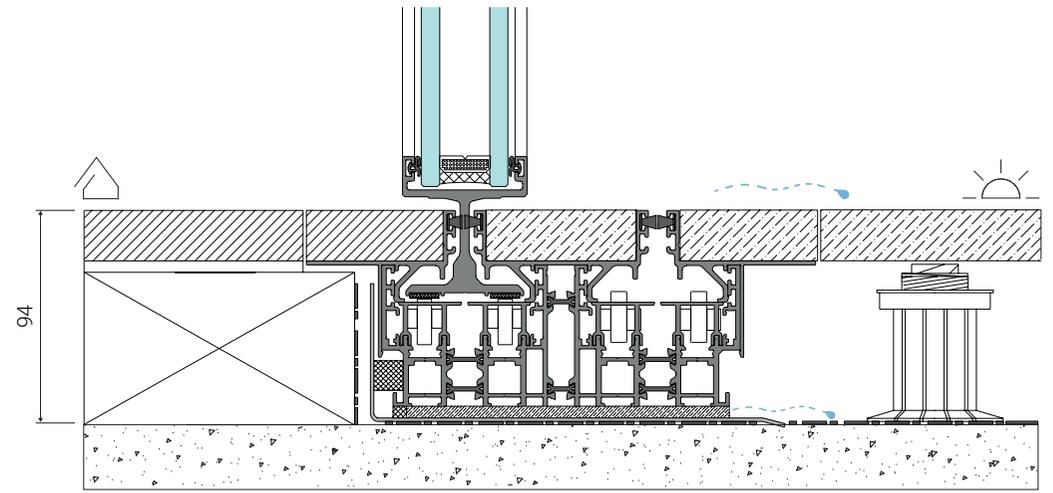
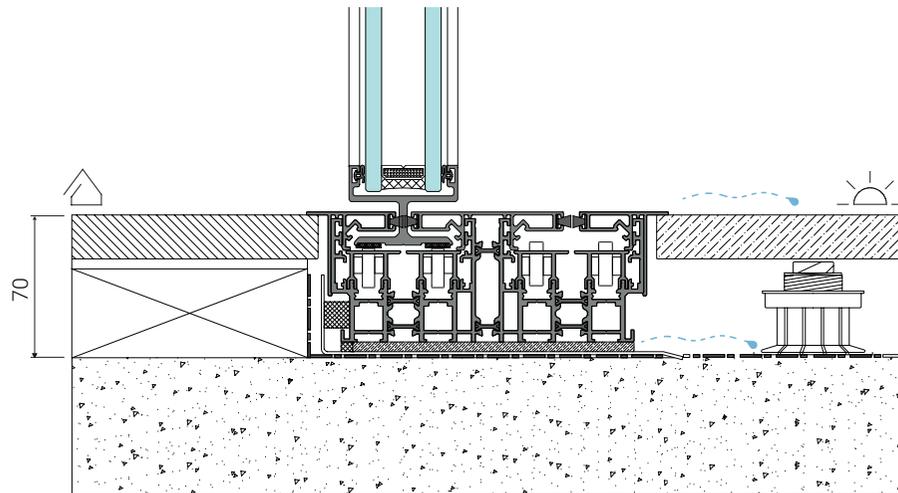


3D VIEW
CONSTRUCTION INTERFACES | FLOOR

FLUSH FLOOR



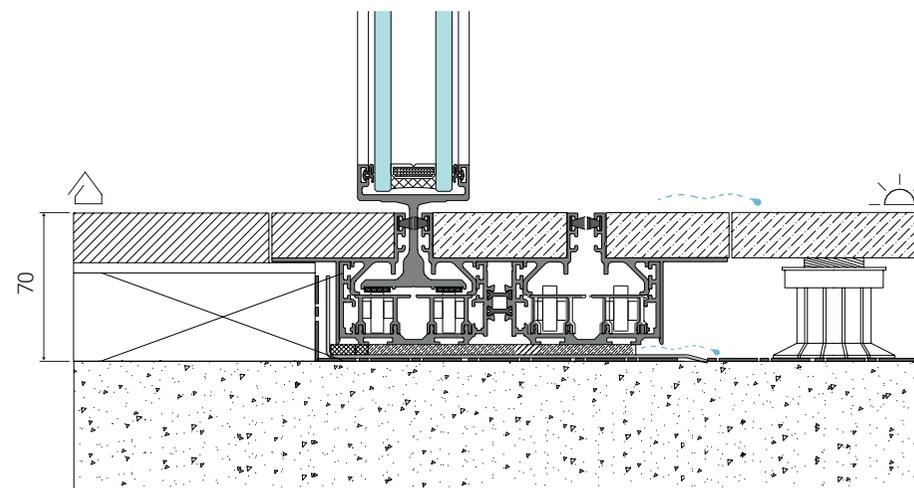
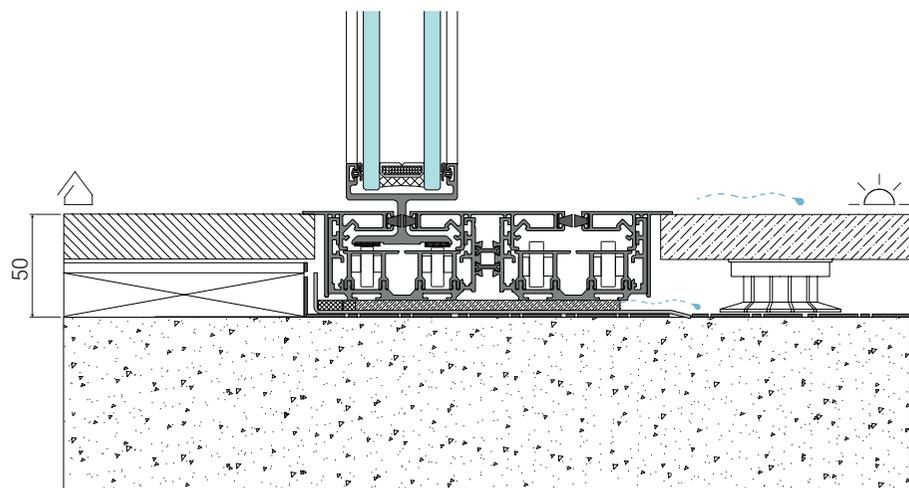
INTEGRATED FLOOR



FLUSH LOWFRAME FLOOR



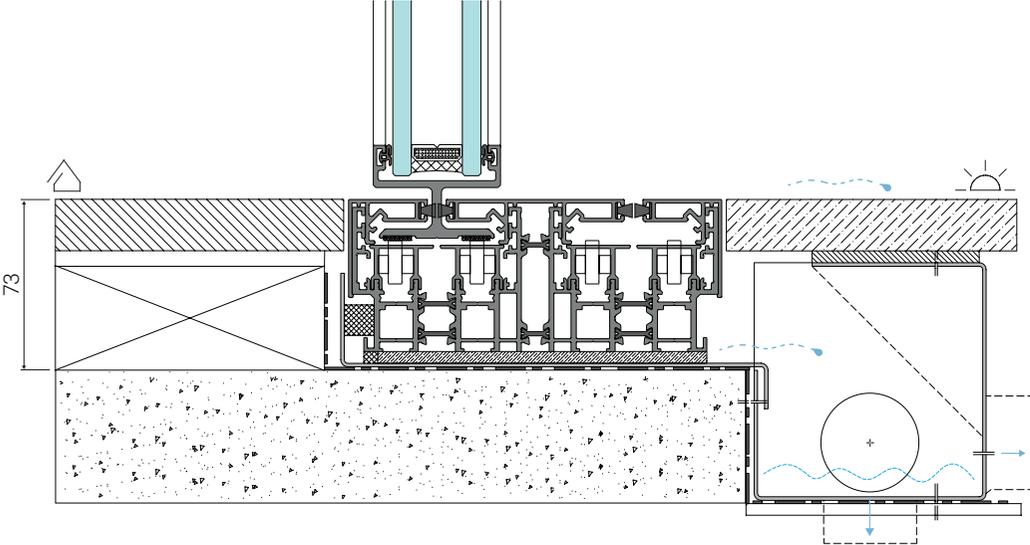
INTEGRATED LOWFRAME FLOOR



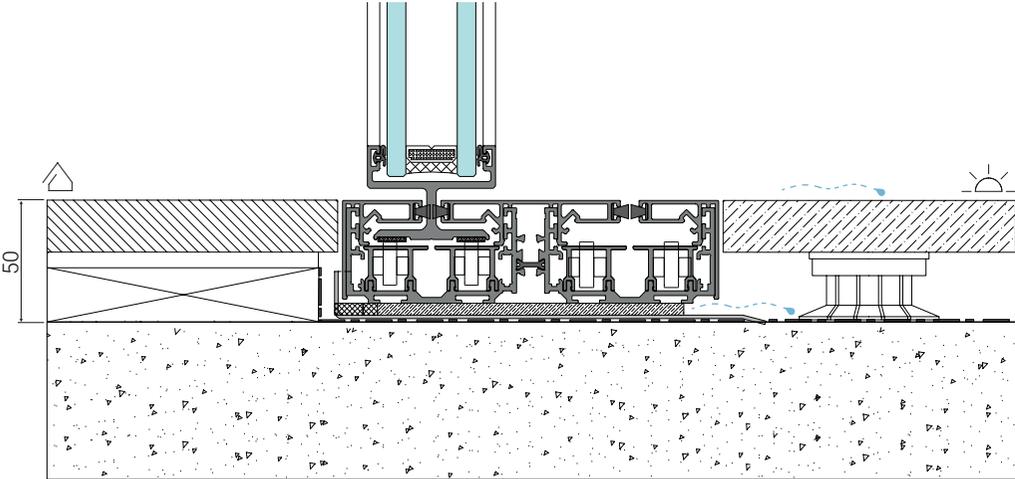
CONSTRUCTION INTERFACES

FLOOR

FLUSH FLOOR TYPE 1



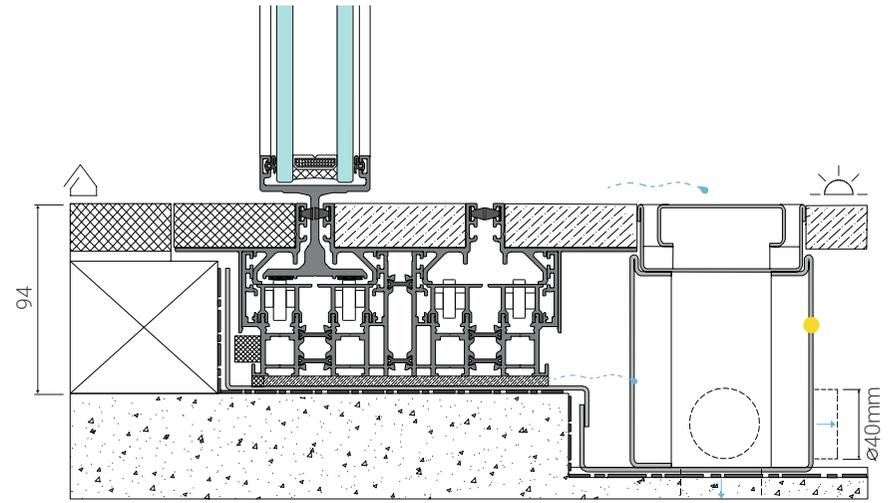
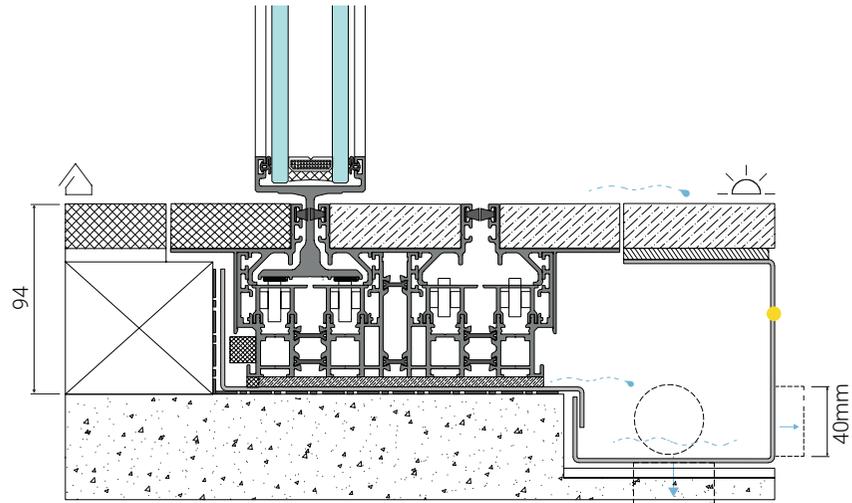
FLUSH LOWFRAME FLOOR TYPE 2



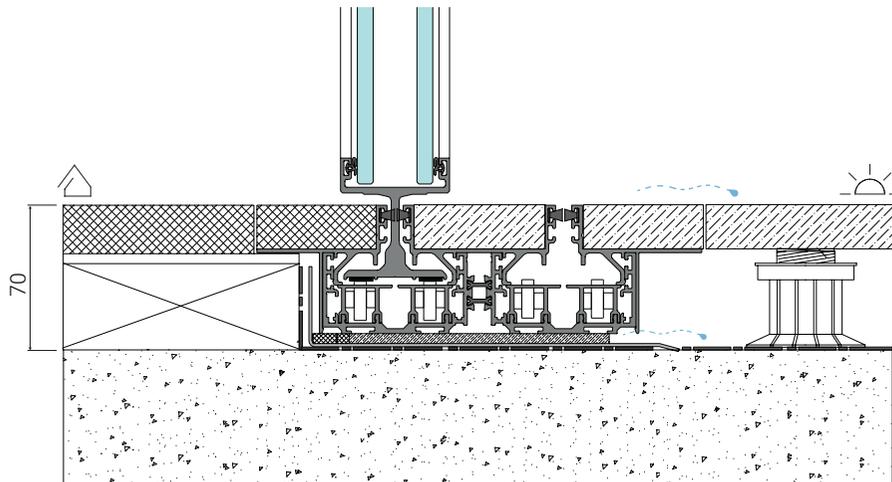
DRAINAGES

INDICATIVE EXAMPLES

DRAINAGE WITH GUTTER



Mandatory use in surroundings near pools with salt or chlorine treated water



● CDS system - Concealed Drainage Sill Enclosure

High-grade corrosion resistant;
Maintenance and corrosion free;
Customized drainage encasement;
High durability.

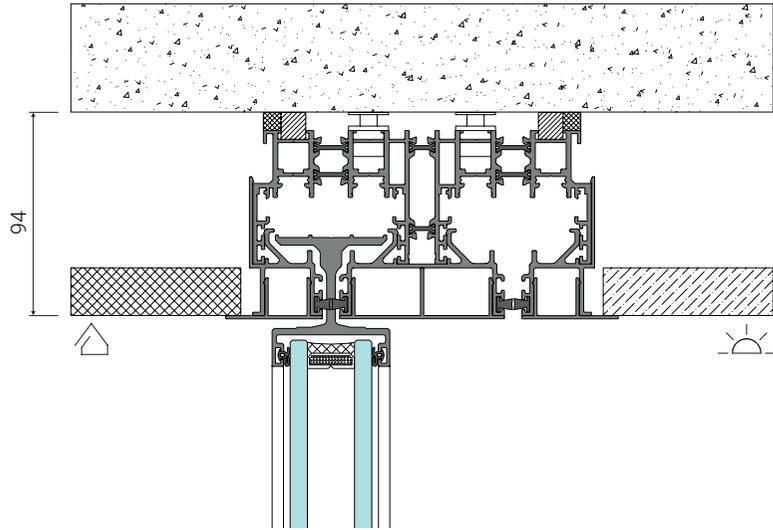
The CDS system is designed to receive infiltration water from our frame system.
HYLINE's threshold profiles are designed to only drain water from system infiltrations;

All systems are prepared to be built with or without a gutter.

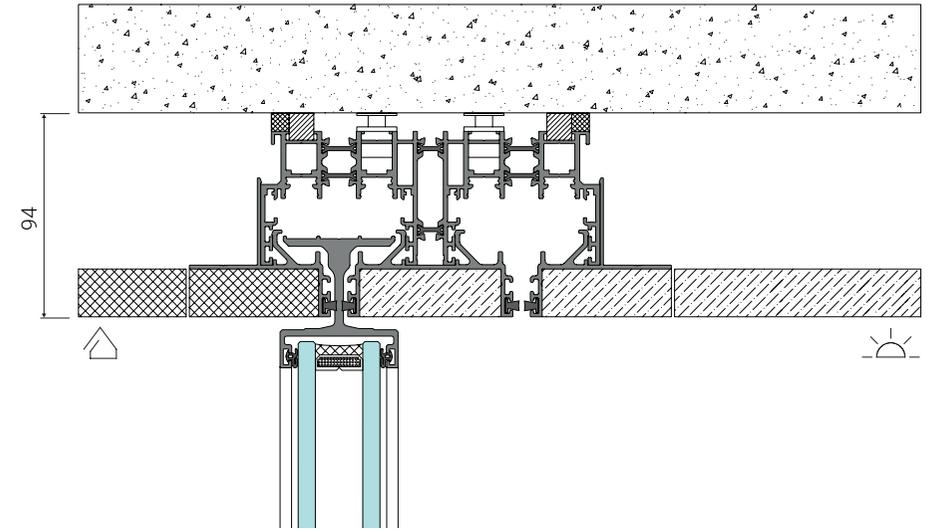
CONSTRUCTION INTERFACES

CEILING

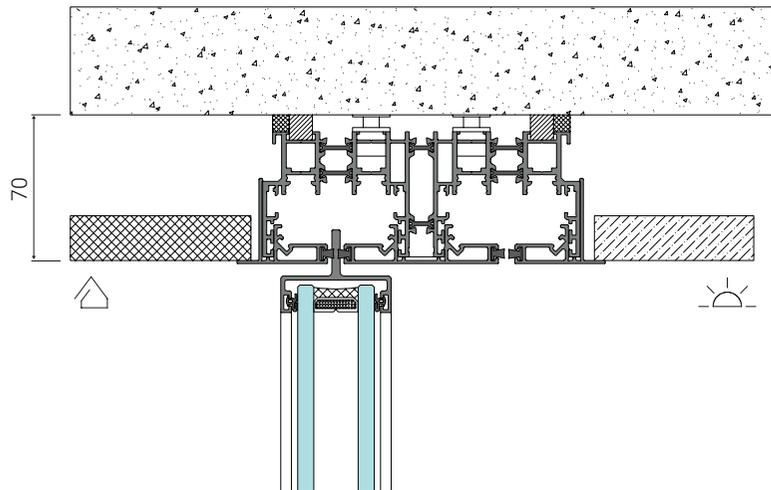
INTEGRATED CEILING WITH COVERS



INTEGRATED CEILING

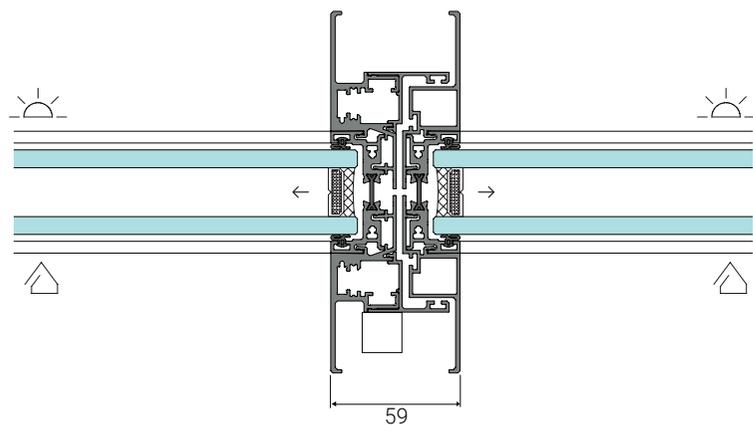


FLUSH CEILING

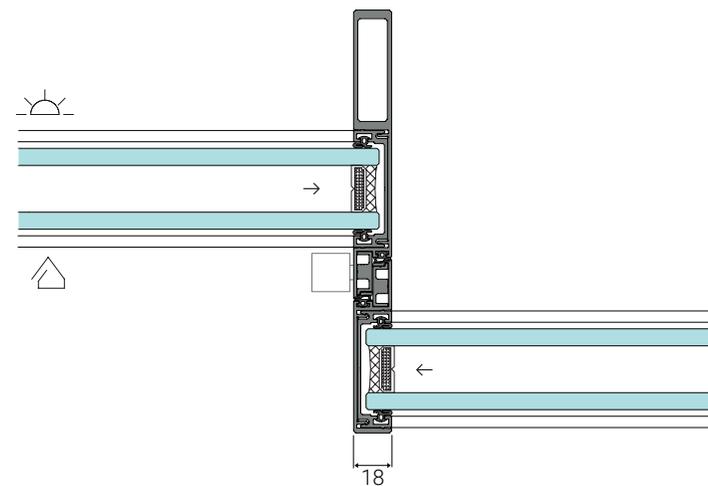


OPENINGS

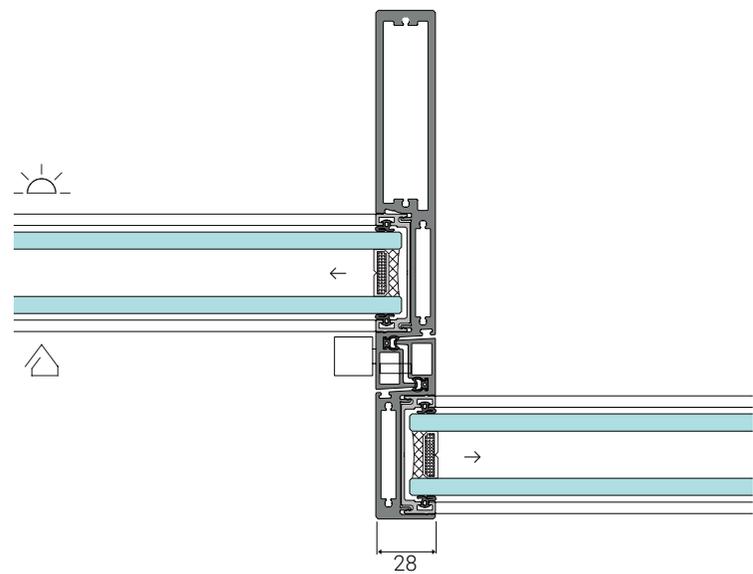
I CENTRAL OPENING | OPTION A



I INTEGRATED CEILING | OPTION B

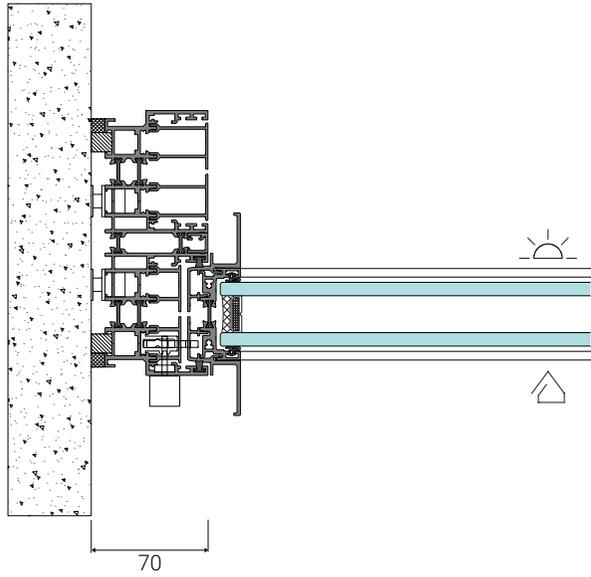


CENTRAL OPENING | OPTION C

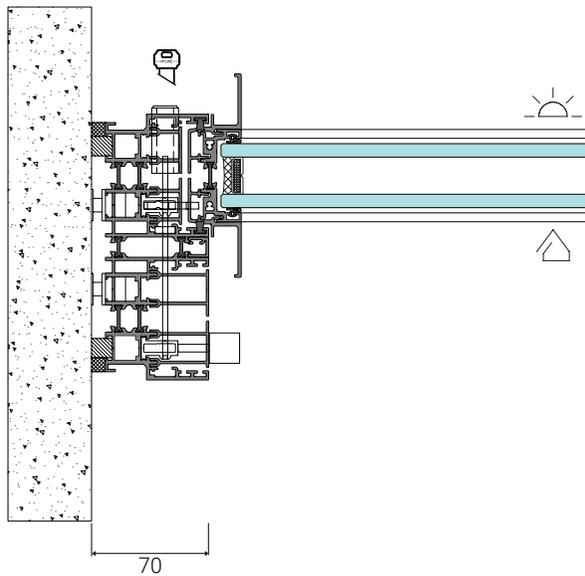


OPENINGS

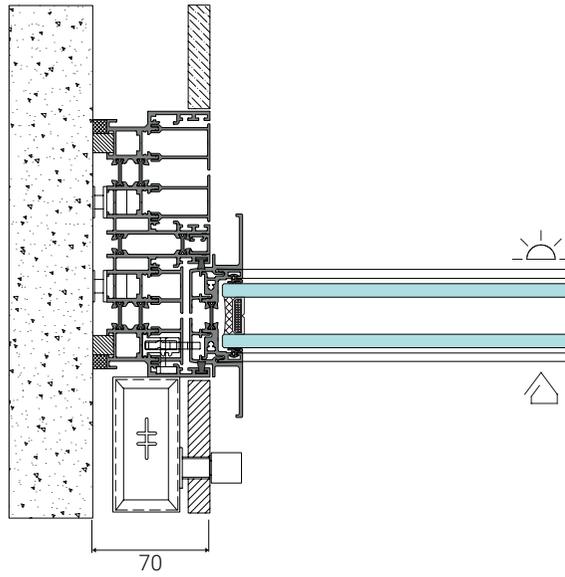
SIDE LOCK SWITCH ON VISIBLE FRAME



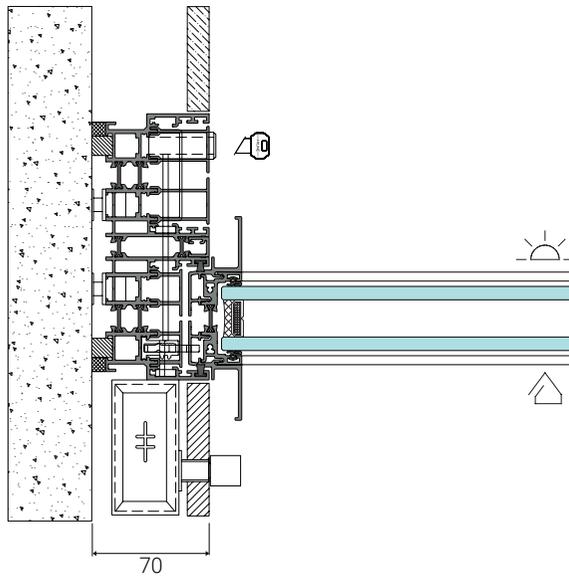
SIDE LOCK SWITCH
+SIDE CYLINDER ON VISIBLE FRAME



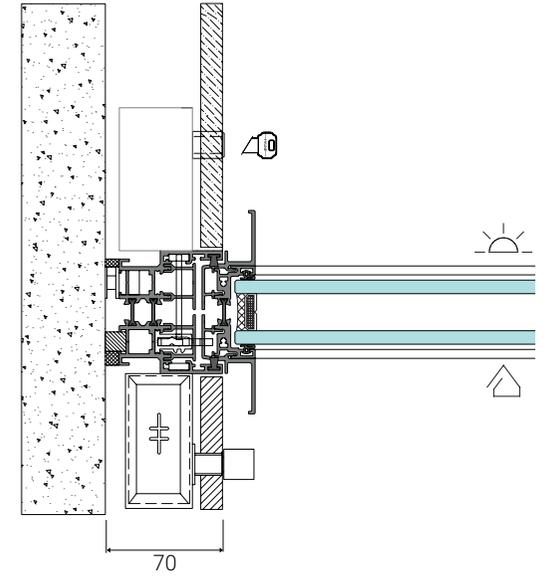
SIDE LOCK SWITCH ON VISIBLE FRAME



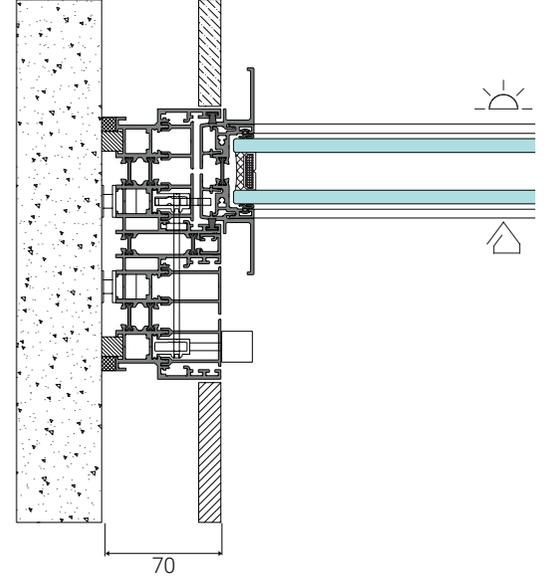
FLUSH FRAME WITH
OR WITHOUT CYLINDER



SWITCH LOCK SWITCH ON VISIBLE FRAME

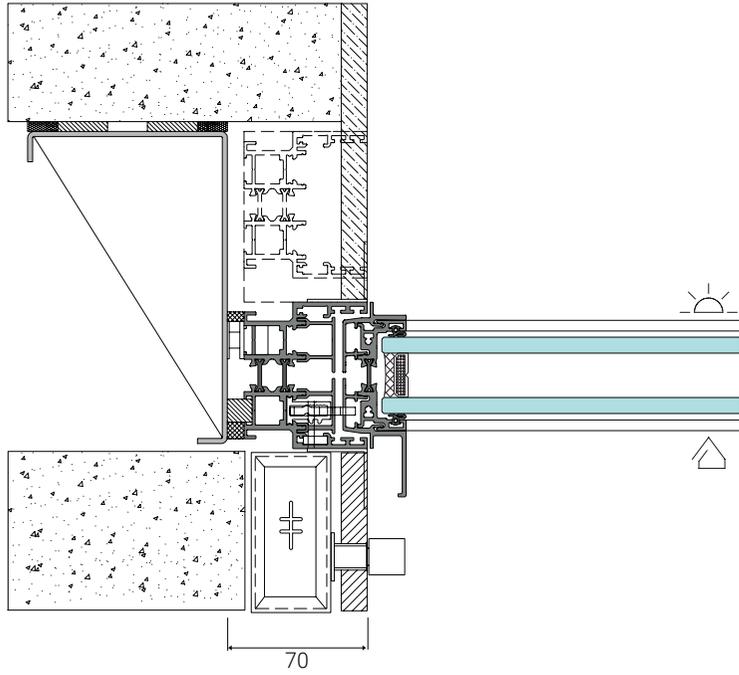


LOCK SWITCH ON FRAME COVERS

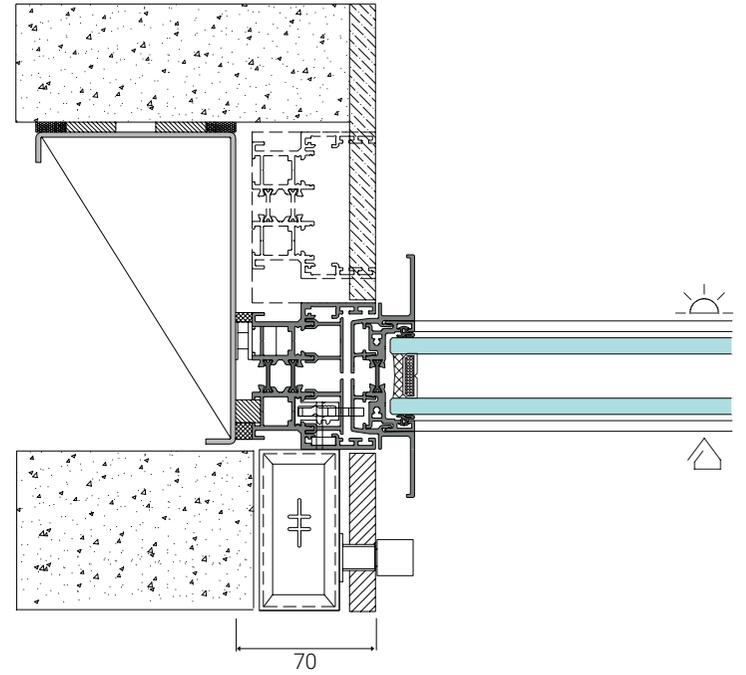


TYPICAL FRAME SECTION

1 HANDLE | OPTION D



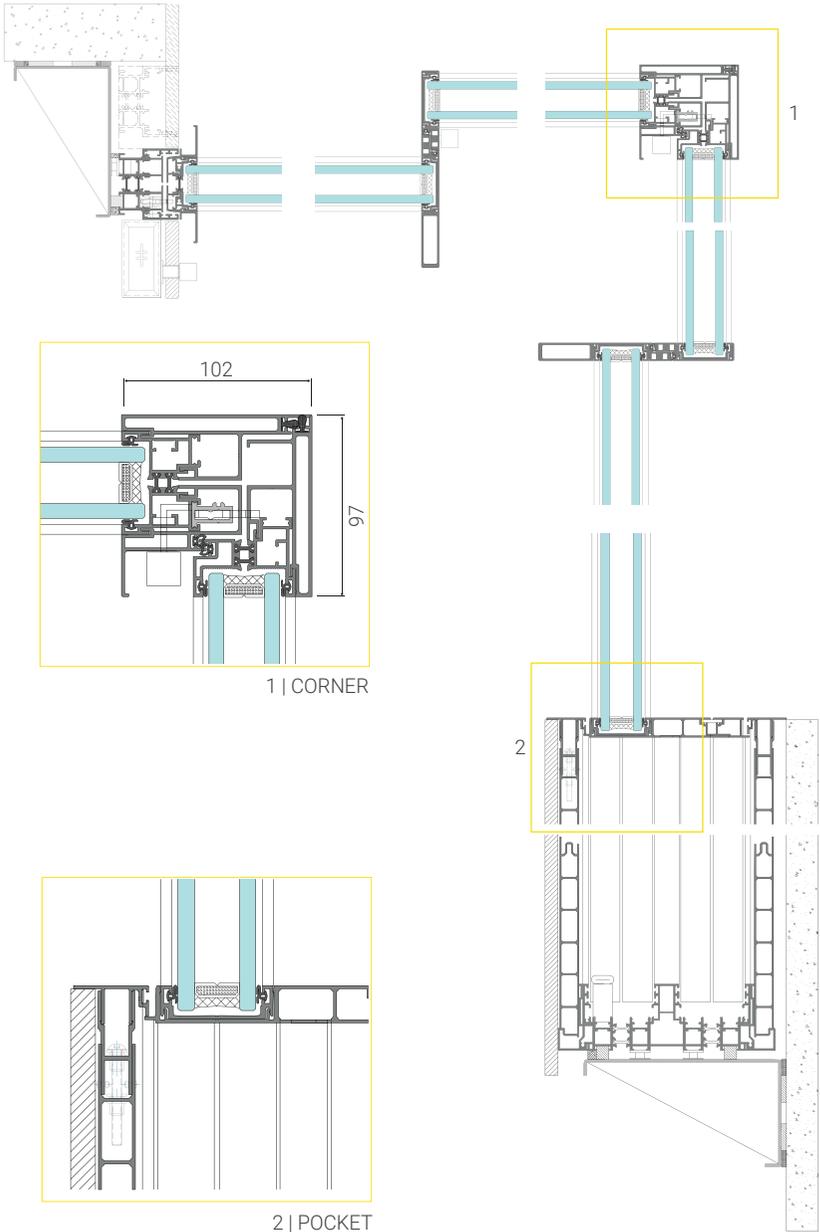
2 HANDLES | OPTION E



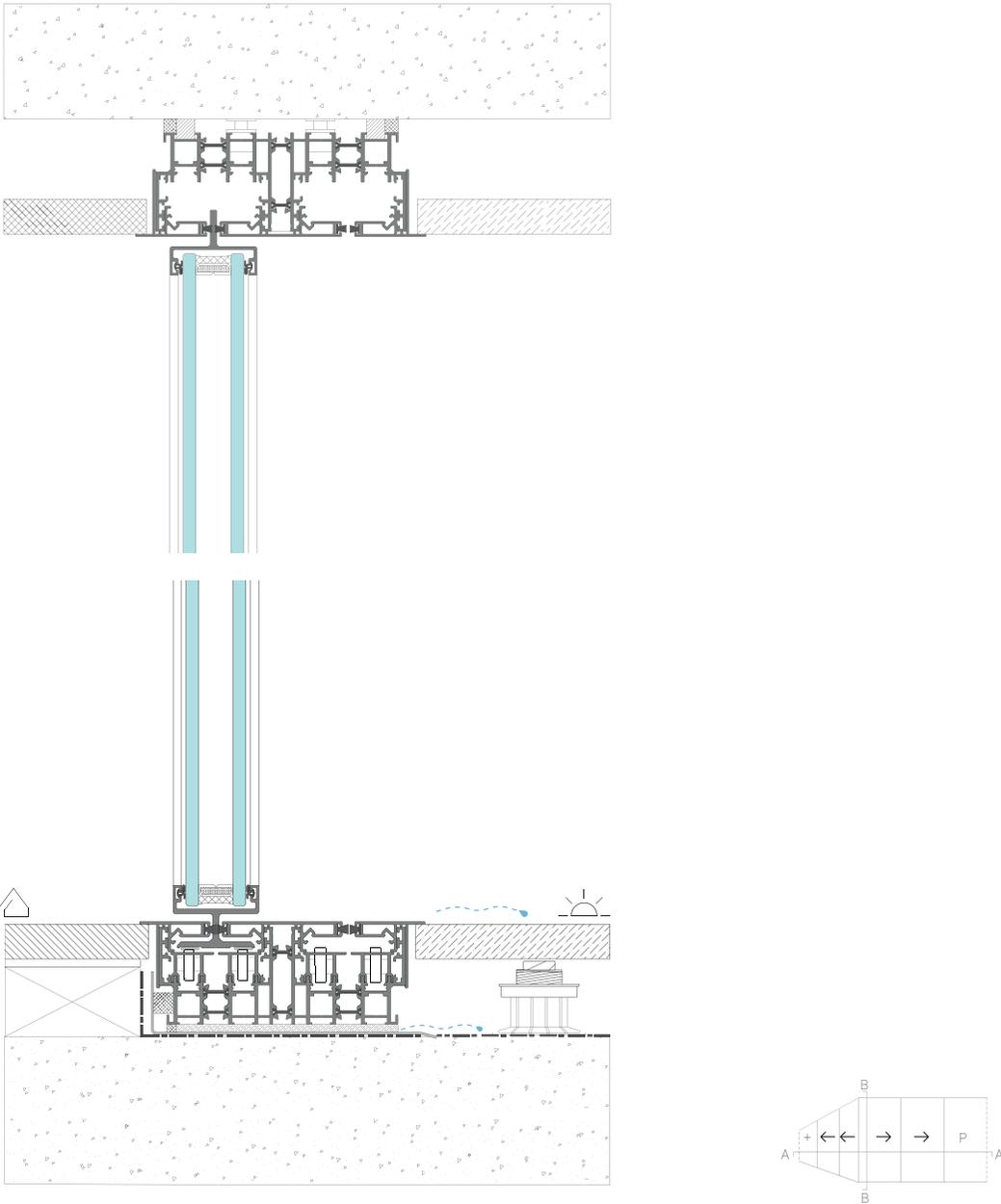
TECHNICAL SECTIONS

CORNER AND POCKET DETAILS

HORIZONTAL SECTION | AA SECTION



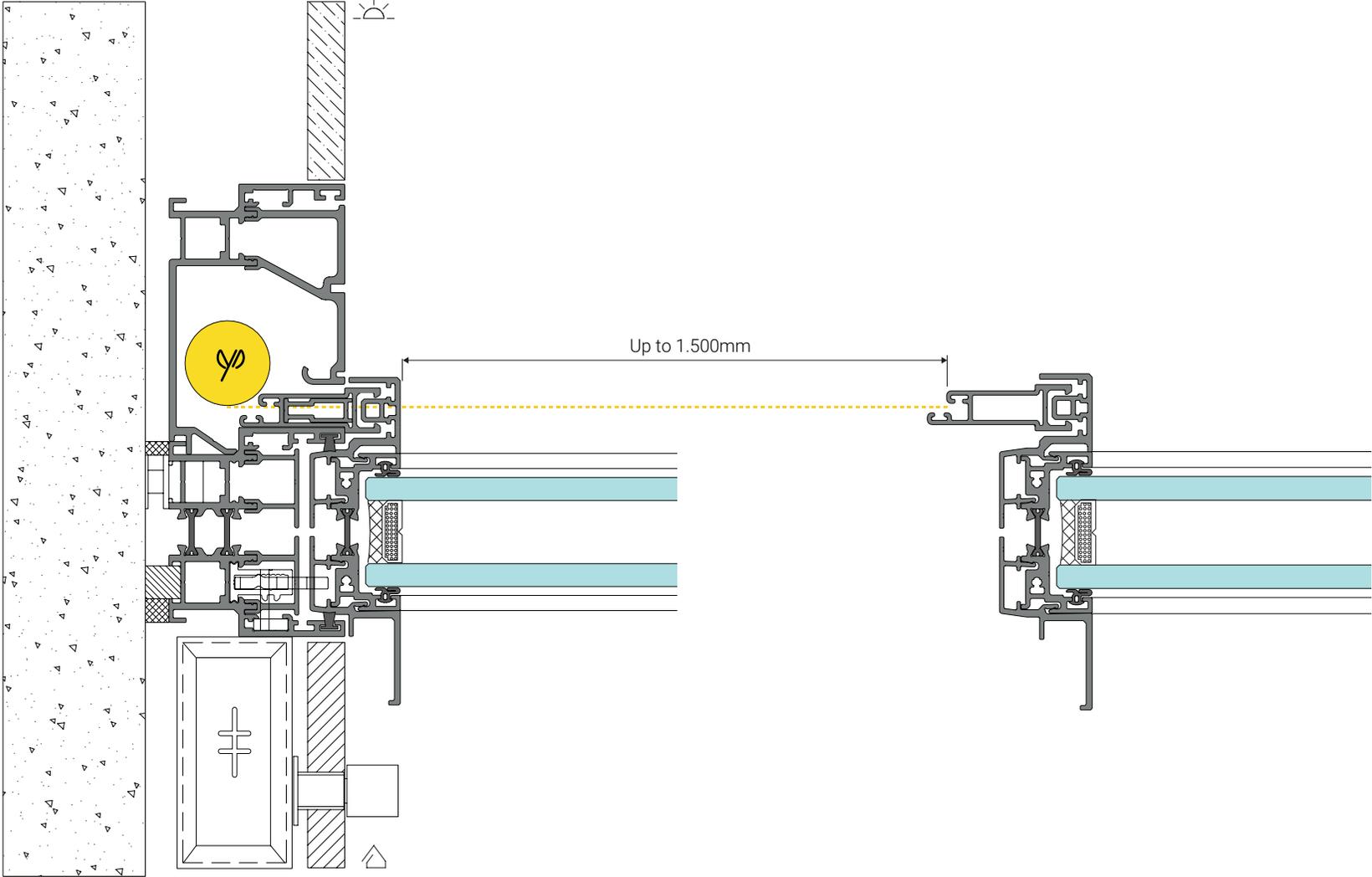
VERTICAL SECTION | BB SECTION



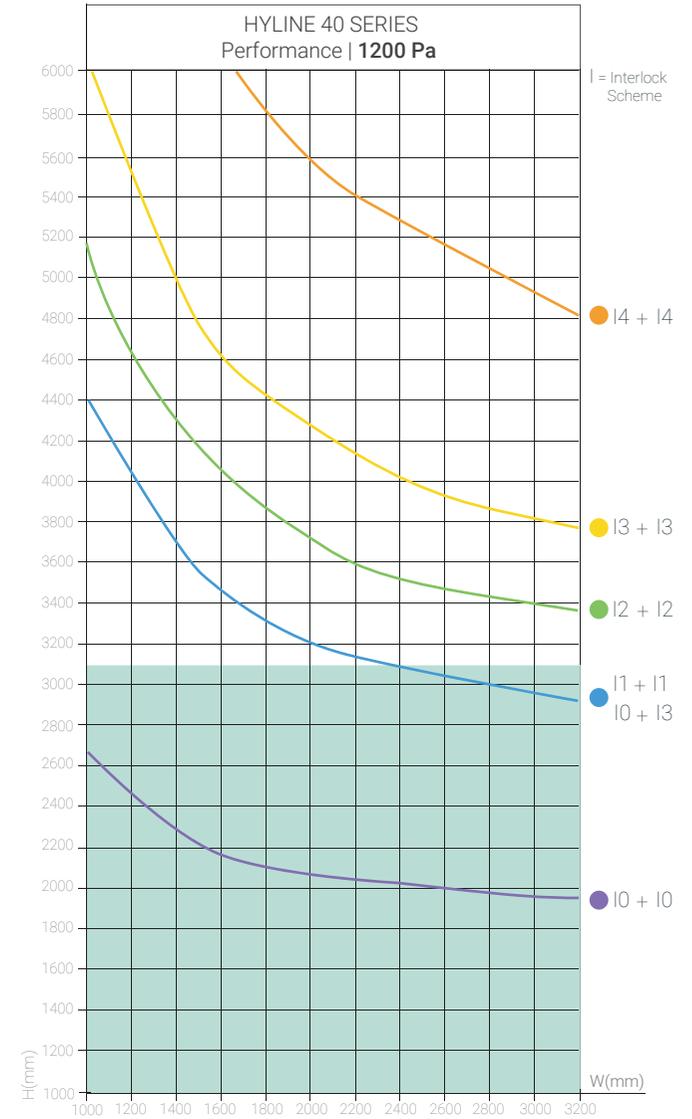
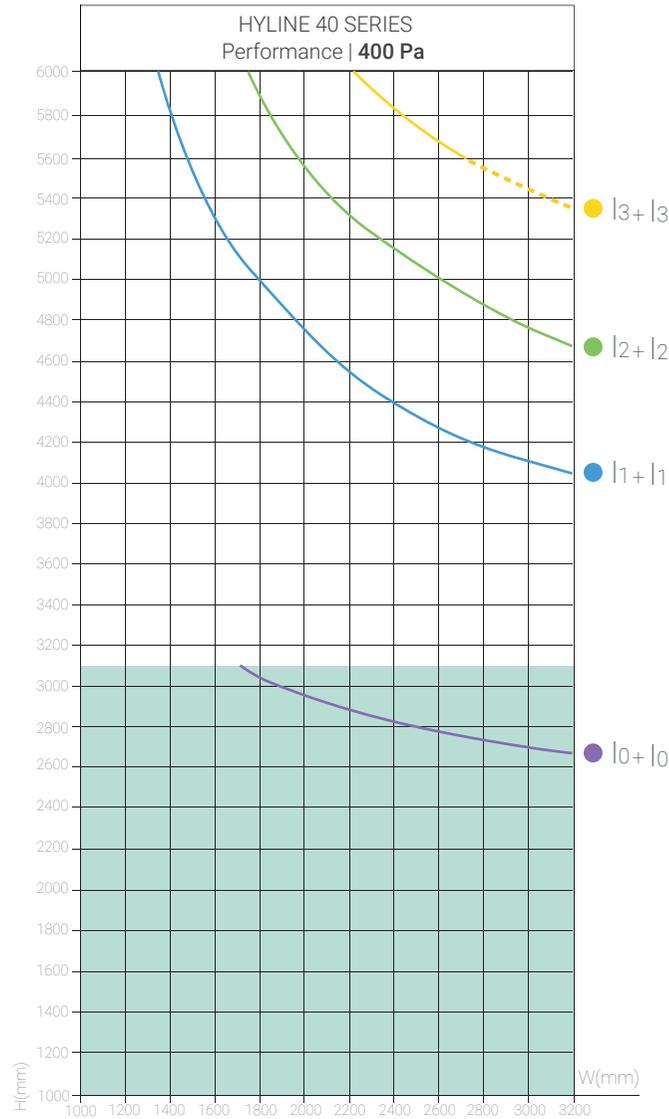
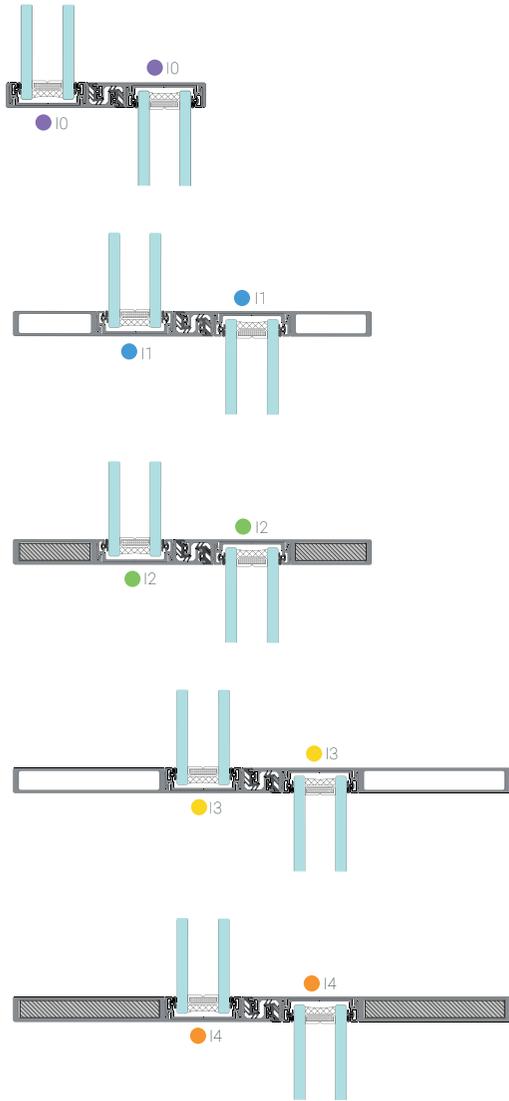
TECHNICAL SECTIONS

HYFLY

HORIZONTAL SECTION



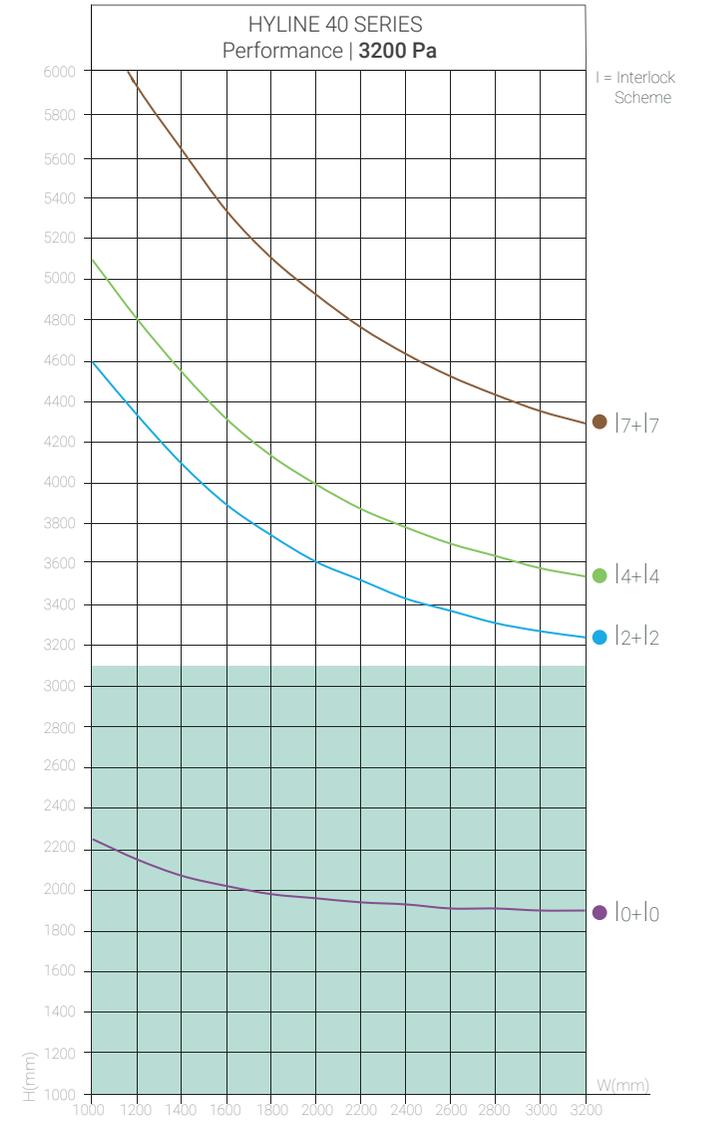
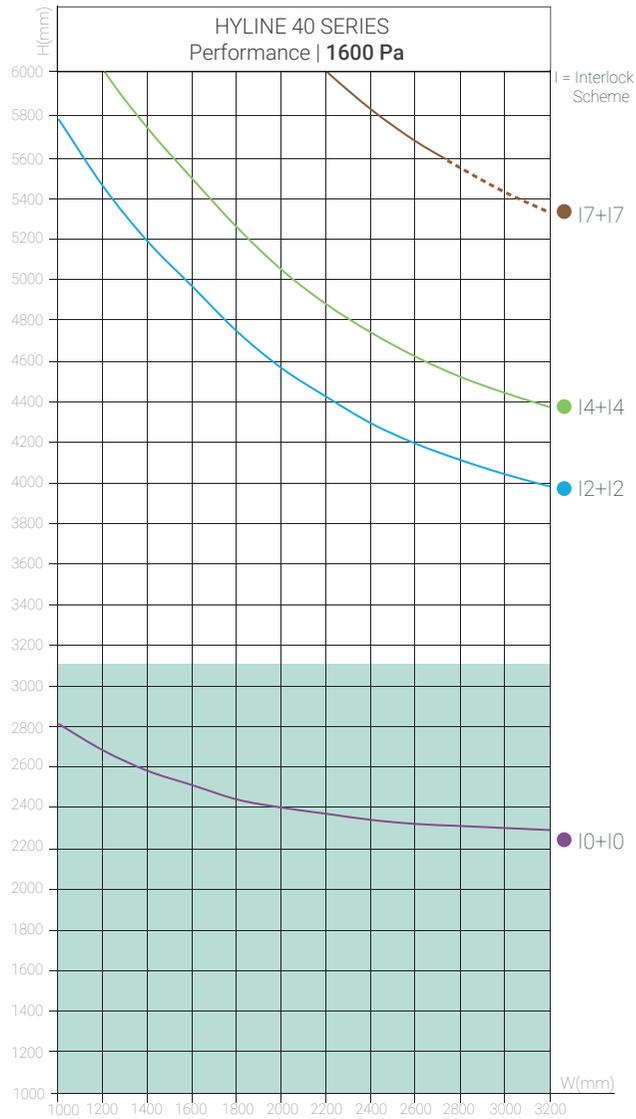
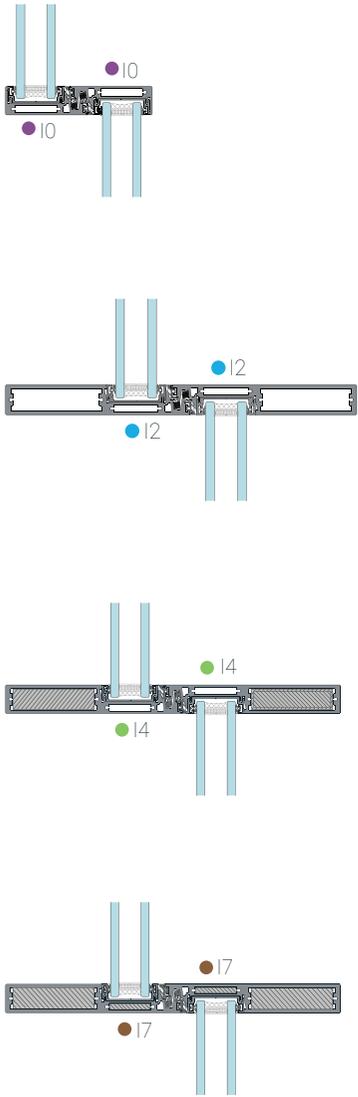
MULLION SELECTION BY PERFORMANCE | 18mm



I0 is limited to a maximum height of 3100mm | Glass thickness changes according to wind pressure

..... Under Consultation

MULLION SELECTION BY PERFORMANCE | 28mm



10 is limited to a maximum height of 3100mm | Glass thickness changes according to wind pressure

..... Under Consultation



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