

—HYLINE®—

D E T A I L S M A K E P E R F E C T I O N



Exclusive Representative
for Southeastern Europe

www.etem.com

CATALOG HYLINE

CATALOGUE HYLINE

Version 5.0 2020

ENG



DETAILS MAKE PERFECTION

A complete range of minimalist window frames in aluminium.
Sliding door, corners, fixed, pivot doors, guillotines...



01. PROFILE	5
02. TECHNICAL DETAILS	45
03. THE BRAND	91



BRUNO BRÁS
FOUNDER & PRESIDENT OF HYLINE

“

WE ARE HYLINE, MUCH MORE THAN A BRAND,
WE ARE AN EXPERIENCE, WE ARE AN IDENTITY
WITH SOUL AND CAPABILITY

ONE MOMENT MORE, ANOTHER CATALOGUE TO INSPIRE YOU.

I felt that we could and should do something good, we should invest and build the future, that's what we did in 2010, in the midst of a crisis we created HYLINE, focusing on high tech, high design, high quality, after the fact that we wanted something international, something global, the desire to stand out and do something unique was great, a differentiating product that defied rules and standards.

We are inspired by artisans and the needs of modern architecture where vision without visual interruptions is essential for a harmony between interior and exterior spaces, natural light, contact with nature.

HYLINE was born with a mission: to listen, to develop, to work the need and the detail, to challenge the impossible and deliver according to expectations, to work towards the satisfaction of architects, partners and clients, to create and innovate. We have our eyes on the future and our sight beyond borders.

We have a world size ambition and our feet on the ground, we have an inspiring and inspired team that loves challenges. Thanks to our capable team and strong partnerships, we are able to offer a unique service with proximity, quality and personality.

We are preparing new solutions.
New inspirations are being worked on to meet the market's needs and desires.

”





PROFILE

SÃO PAULO, BRAZIL

ARCHITECT: BERNARDES
ARQUITETURA
PHOTO: LEONARDO FINOTTI
TYPE: PRIVATE HOME

GRAND
STAIRCASE
TURKEY

&
MINIMALIST DESIGNS

**DETAILS
MAKE
PERFECTION.**



ALDO CRISTALDO

ARCHITECT

Private Home, Paraguay.

"First HYLINE work in Paraguay designed from root based on containers. Metal structures were used in harmony with HYLINE systems, enhancing the interconnection of these two materials - iron and glass. HYLINE in this work made possible a specification of the architect in fulfilling the total opening of all the windows of the area."



Products: HYLINE SLIM
Architect: Aldo Cristaldo
Type: Private Home

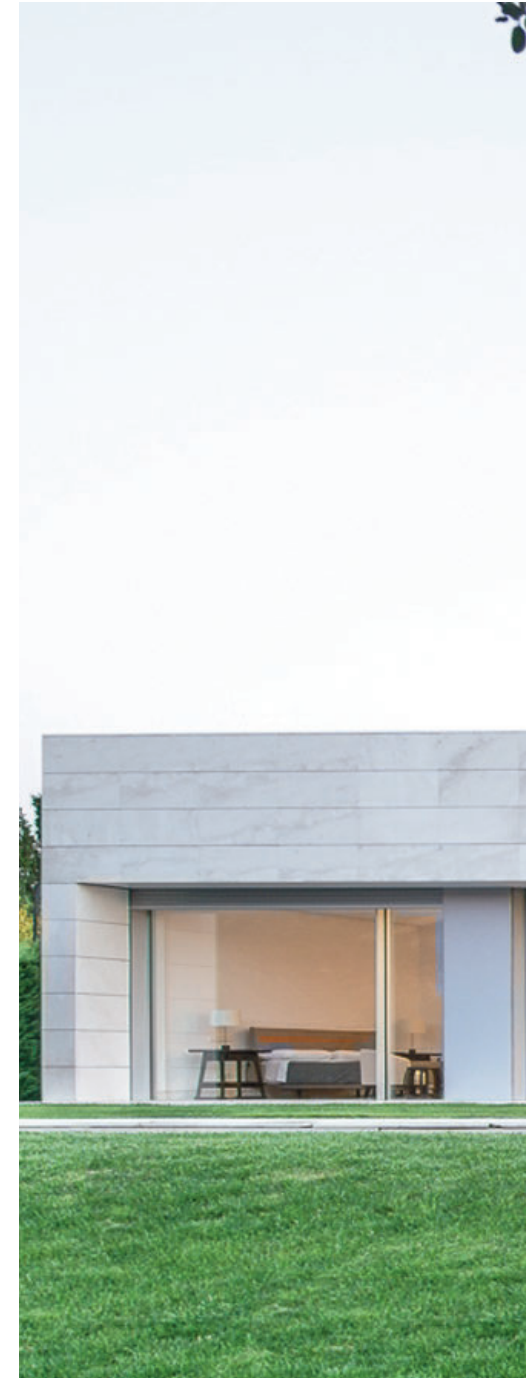
ALFONZO AZQUETA

ARCHITECT

Private Home, Madrid, Spain.

“The house was conceived in a very hermetically manner towards the outside and completely opened to the interior of the plot, always looking for the privacy of the views. Hyline has provided windows able to combine large openings with little visual impact of the profiling, On the other hand, the windows and doors were integrated in both floors and ceilings with which the inner-outer relationship increases.”

Products: HYLINE 30
Architect: Alfonso Azqueta
Type: Private Home









ROMEU RIBEIRO & JOSÉ PEDRO MARQUES

REM'A ARQUITETOS

Private Home, Guimarães, Portugal.

“The exogenous voids surround the social areas, enlarging the space and emphasizing the views. The endogenous voids surround the private areas. They are constricted by the upper volume, set in the higher level of this plot, sustained by a Shear Wall. This volume only has one entrance geometrically defined by a triangle shape. This option allows us to control the light and emphasizes the relation with the surrounding constructions.”

Products: HYLINE 40

Architect: REM'A ARQUITETOS - Romeu Ribeiro & José Pedro Marques

Type: Private Home

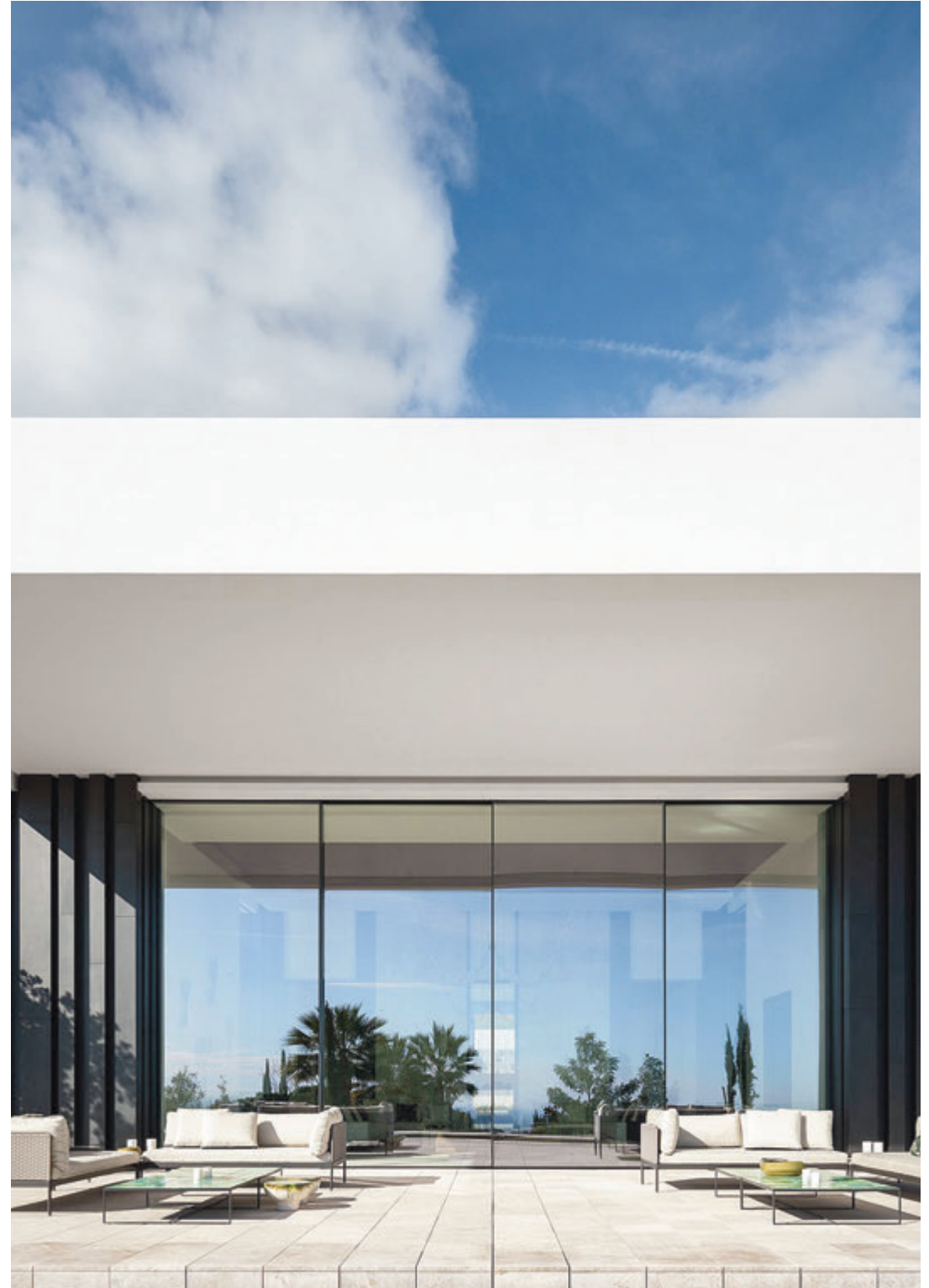
DIEGO TOBAL

ARCHITECT

Villa “La Zagaleta”, Marbella, Spain.

“We started from a precise concept: large projections on powerful walls that collect tall and discrete windows. We coordinated with HYLINE and its technical team from the initial stages of the design process, ensuring that the transition from idea to reality did not lose the purity we were looking for”.

Promotor: PrestigeExpo
Architect: Diego Tobal
Photo: Ivo Tavares Studio
Type: Villa





HYALIN
MAKE
DIFFER

THE
STRENGTH
OF THE
REFERENCE



HYLINE

18MM

Smallest central mullion in the world - 18 mm (Patented).



HYLINE

POCKET SYSTEM

&

CORNER SYSTEM

Window panels disappear into the pocket.
Openable corner window system.



HYLINE

INTEGRATED LOCK

Integrated locks are one of many possibilities that HYLINE offers as an option to its customers. With the placement of our locks on the wall we achieve the perfect integration of the HYLINE system with the surrounding architecture, without losing reliability.

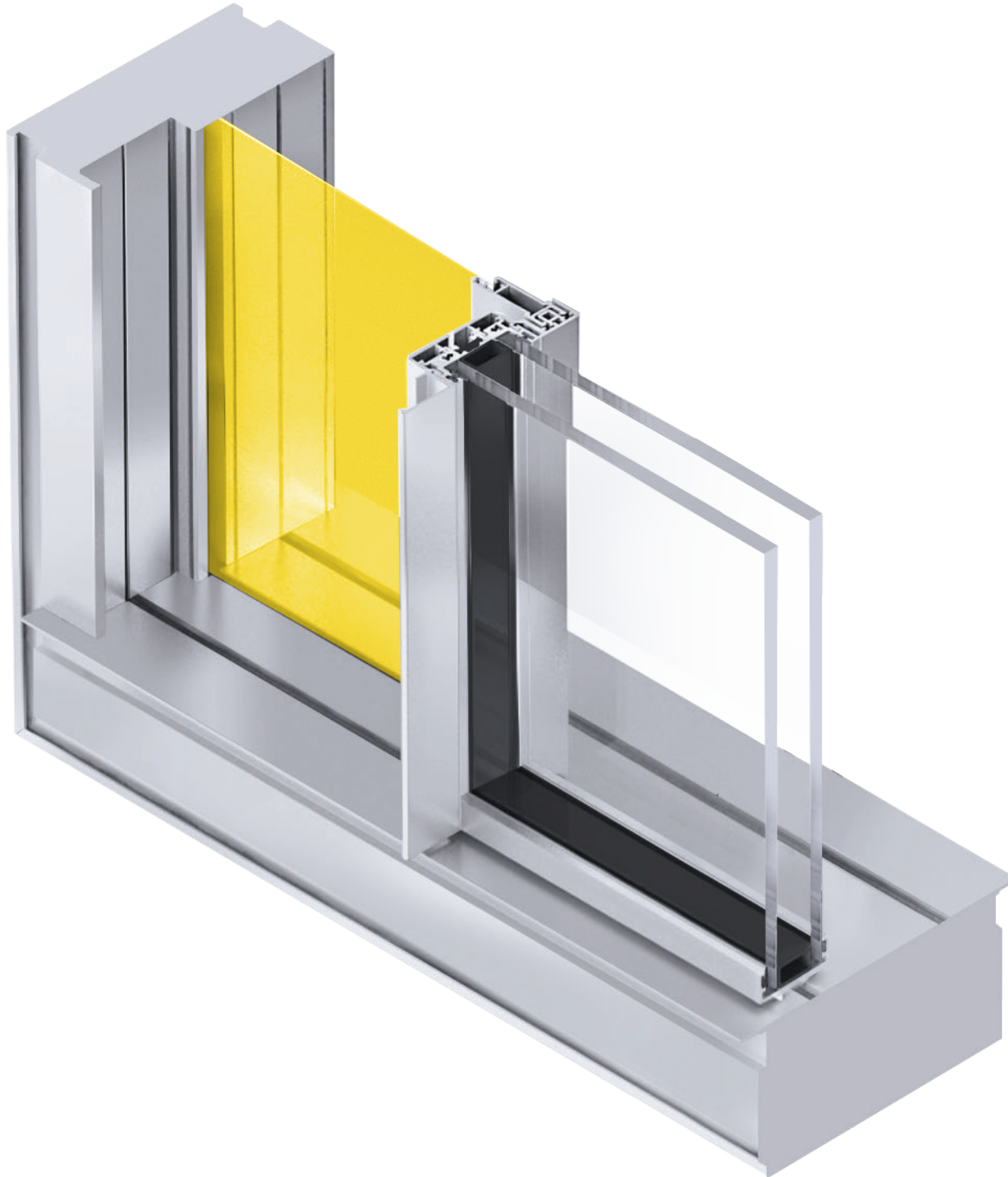


HYLINE

INVISIBLE FRAME
PERIMETRAL
&
INTEGRATED FLOOR SYSTEM

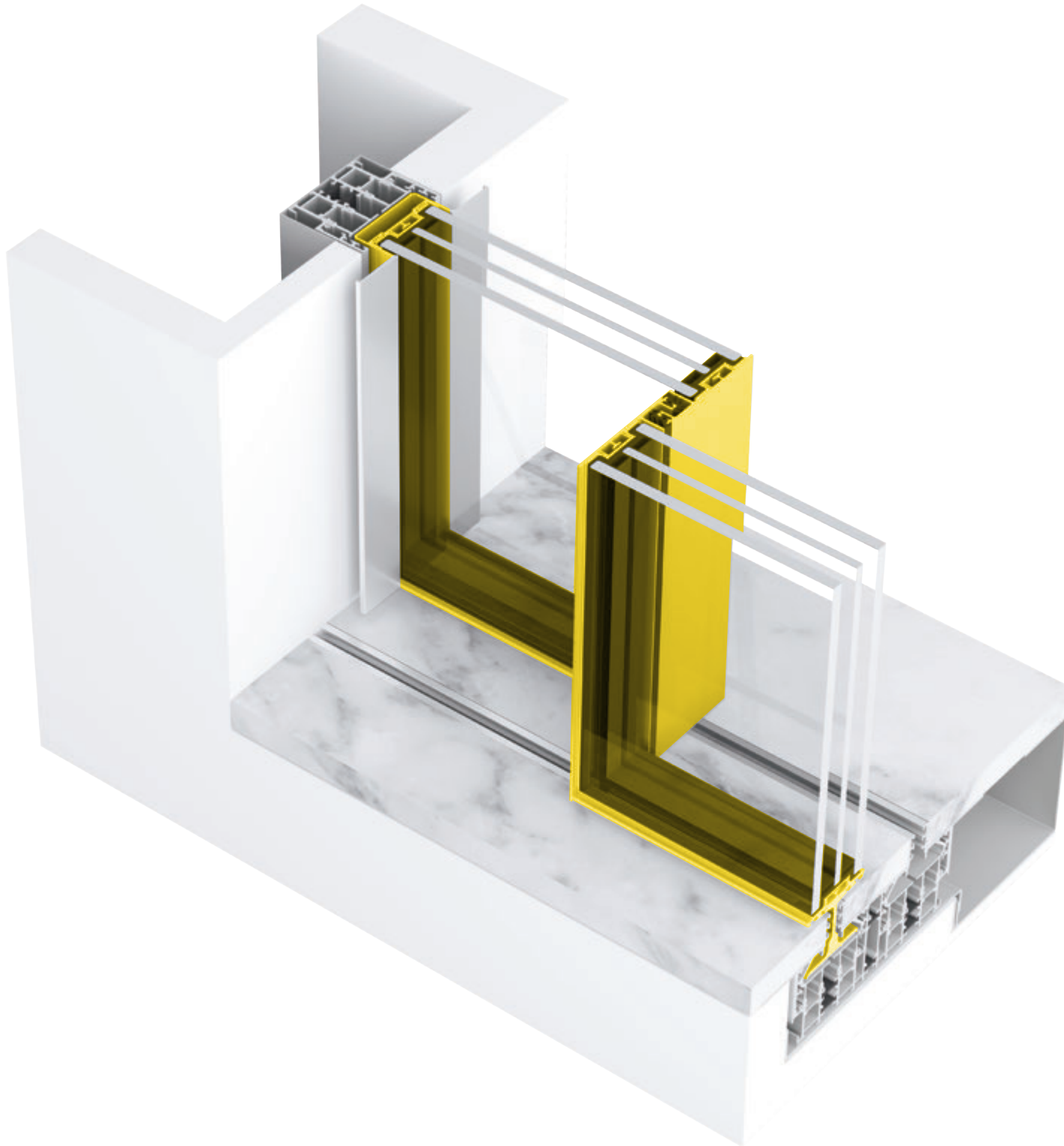
The invisible frame system offers a completely hidden frame. Thanks to this, the indoor and outdoor relation is fully integrated and there are no obstacles in the floor, walls and ceilings.

We also ensured that the existing gap in the sliding window is narrower than a lady's high heel, hides the bearings and avoids the accumulation of debris.



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.



The HYINV system is characterized by the smallest aluminium view in the market of 1.8mm. It assures the maximization of glazed areas without compromising robustness, comfort and safety.

SAFE

The HYLINÉ product range can be equipped with several types of safety equipment further than the traditional closing system. As an option we can install electromagnetic locks and an anti intrusion alarm sensor. All HYLINÉ windows are equipped with a multipoint locking system.

TRY



01

LOCK

HYLINE features a multipoint locking system. The mechanism is completely hidden in the frame and each locking point is adjustable.



02

INTEGRATED LOCK

You can integrate a key lock for better security and control. The cylinder lock is hidden on the wall for an invisible frame effect.



02

ELECTROMAGNETIC LOCK

You can integrate an electromagnetic lock for better security and control.



03

ALARM

Possibility of alarm cells and discrete integration on the profile



04

BURGLAR RESISTANCE CLASS

HYLINE locking systems have RC2 classification.



05

PERSONALIZED LOCKS

HYLINE has a fully customizable range of materials and finishings including gold, diamonds and carbon.



06

ANTI FALSE-MANEUVER SYSTEM

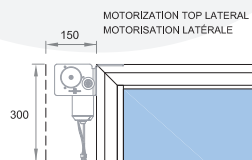
With the Anti False-Manoeuvre System you will never run the risk of getting closed from the outside.

SOPHIA

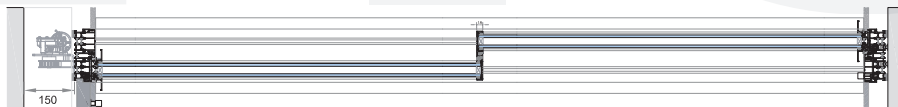
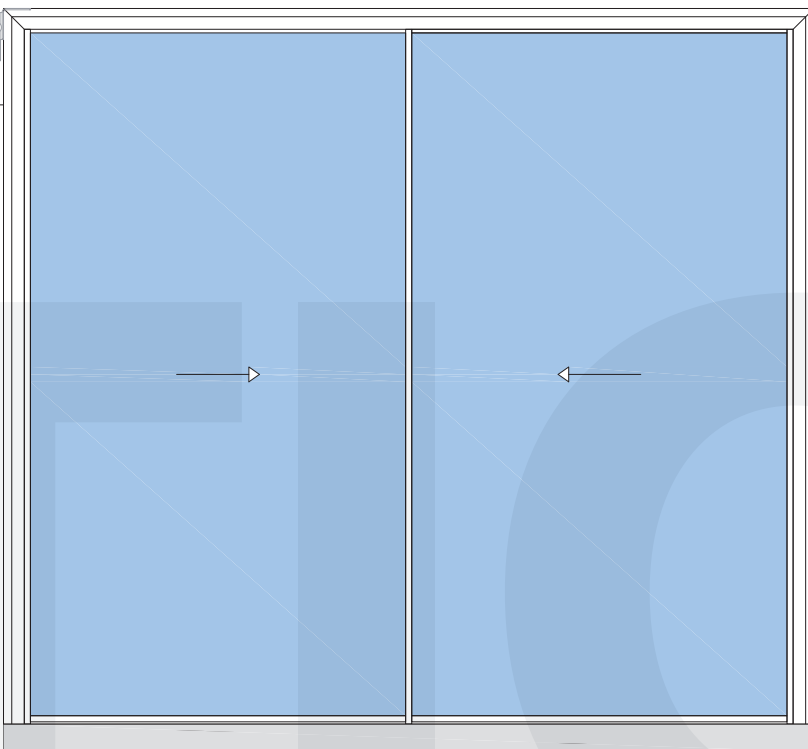
TICAT

IS-

ION.



MOTORIZATION TOP LATERAL
MOTORISATION LATÉRALE



HORIZONTAL SECTION
SECTION HORIZONTALE

01 HYMOTOR

The HYMOTOR system can be used in all of our sliding window configurations. In the case of power failure, all HYMOTOR systems can be manually operated.

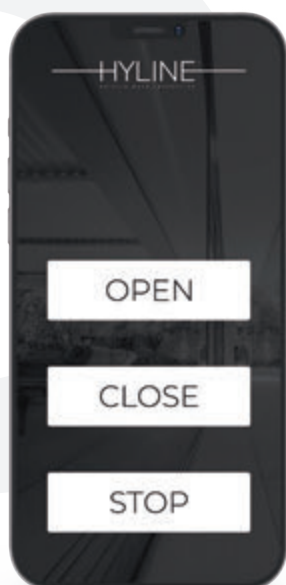
Further customization possible according to clients' demands.



02

AUTO-STOP SYSTEM

In case of obstacle presence, the door automatically stops. (obstruction sensor)



03

CONTROL SYSTEM

HYMOTOR is fully compatible with domotics systems and fully integrable with all automation systems. Customizable.



04

SLIDING SHUTTERS

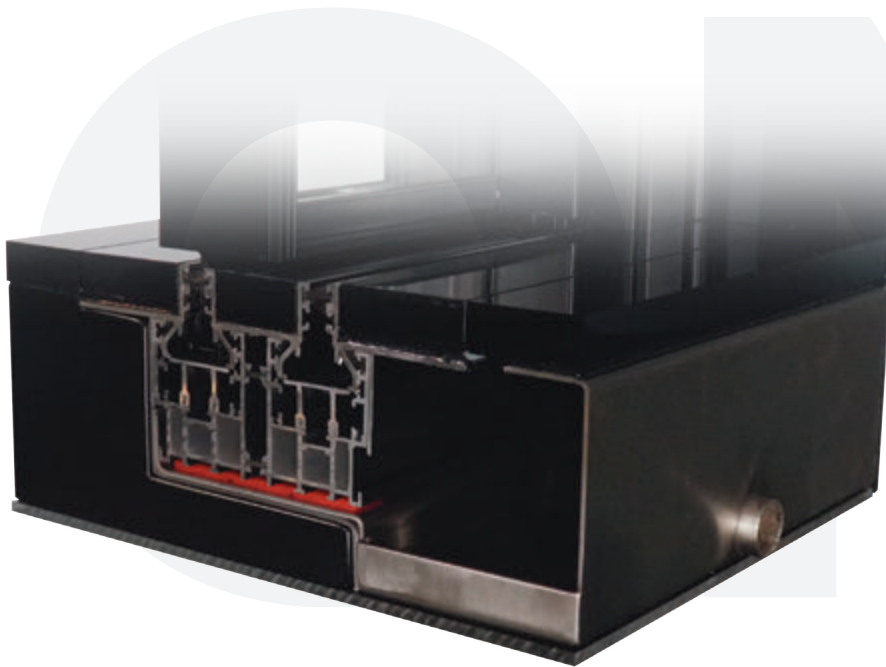
In addition to glass, marble, wood, aluminium and flyscreen panels are also available



05

UNLIMITED RAILS

There is no limit to the number of rails and therefore vents. This allows tailor-made solutions for the most ambitious projects.



06

STAINLESS STEEL GUTTER

Our drainage system is fitted with a custom-made stainless steel gutter that improves water drainage, increases oxidation resistance and requires no maintenance.

COMME

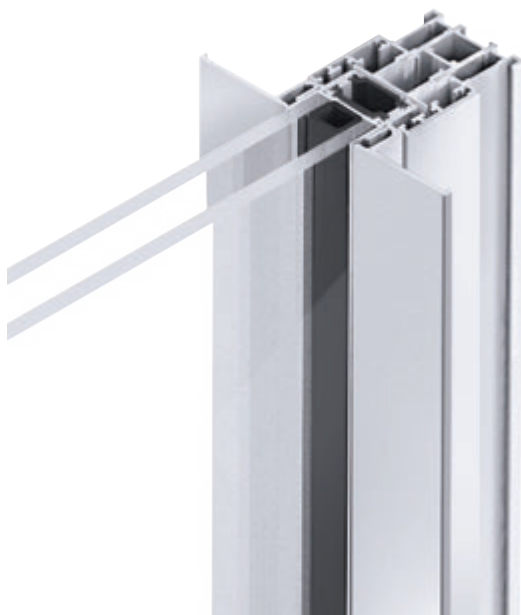
PORT.



01

INTEGRATED SHUTTER SYSTEM

With HYLINE it is possible to have blackouts, screens, blades integrated in the double glazing. Electrically operated and with no maintenance needed.



02

INTEGRATED HANDLE SYSTEM

We have the option of choosing different types of handles.



03

18MM PERIMETRAL

Non visible aluminum section.

MAIN

ABILITY

RAIN.

Y.



01

BEARINGS

Maintenance-free stainless steel bearings.



02

BEARINGS

The amount of required bearings is calculated according to the width, height and weight of the vent. Our bearings were developed to withstand up to 200kg each and are sealed to improve durability.



03

CLEANING AND PRESERVATION

HYLINE has a cleaning kit which contains products suitable for aluminium maintenance. The kit includes: a cleaning and preservative spray, lubricant for hardware conservation, a vaseline applicator for gaskets conservation, a cleaning cloth and a Maintenance Manual with cleaning instructions and general information.





TECHNICAL DETAILS

VILLA, GUIMARÃES, PORTUGAL.

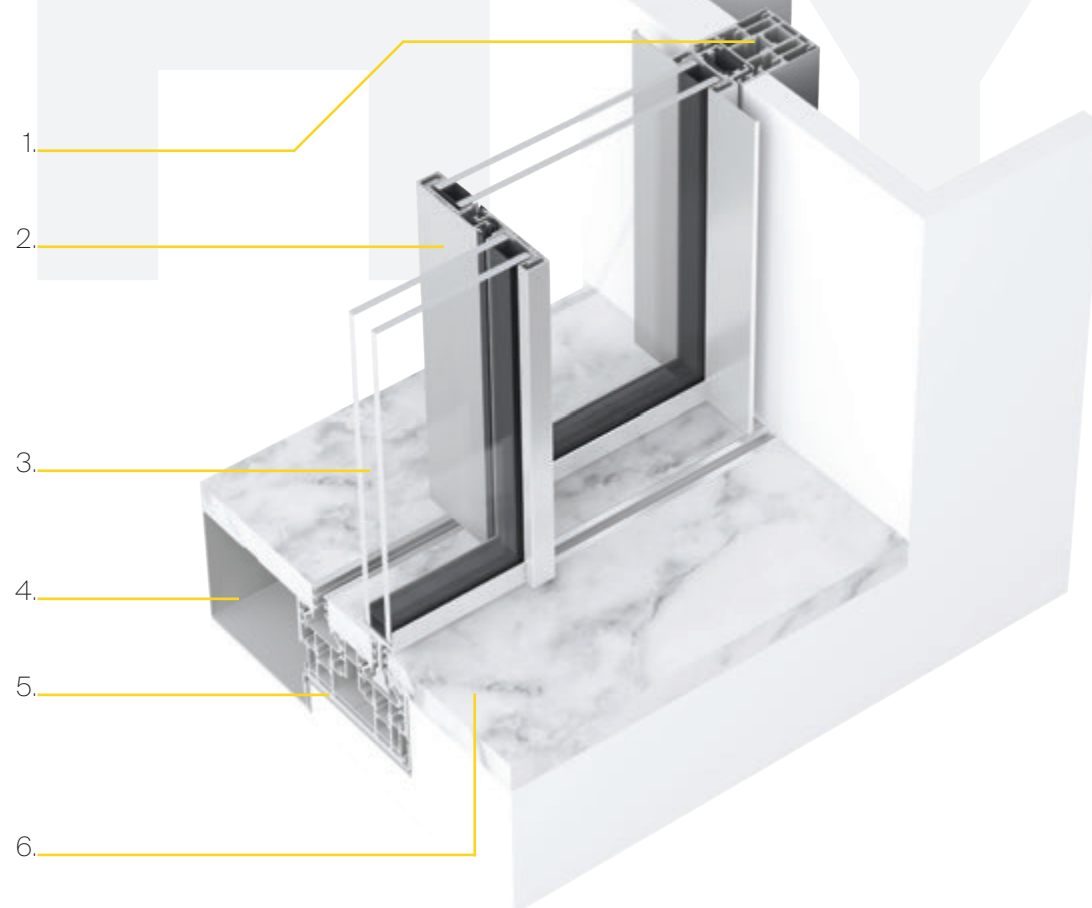
ARCHITECT: REM'A
PHOTO: IVO TAVARES STUDIO
TYPE: PRIVATE HOUSE

HYSLIM

SUITABLE FOR BUILDINGS IN WARM
AND TROPICAL COUNTRIES

Best suited for tropical, hot climates and environments that do not require thermal and acoustic insulation, HYLINE SLIM has been developed for monolithic glass. It joins lightness, finesse and design. With only a gentile push from the fingertips the window slides gently giving way to a total unity of interior and exterior. HYLINE SLIM may be equipped with a fly screen.

1. Main Frame
2. Central Mullion
3. Glass
4. Drainage System
5. Inox Gutter
6. Interior finish



MEASUREMENTS

Maximum Width [CUSTOM]

Maximum Height 3500mm

Glazing
Maximum Area 12m²

Maximum Weight

500Kg/ML

Opening Options

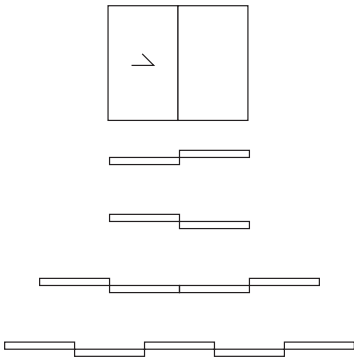
Customized
Corner

Maximum box for Glass

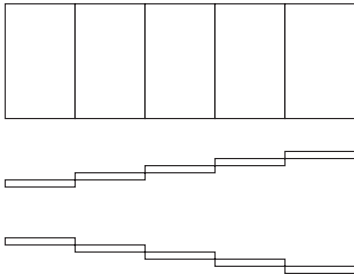
10 to 28mm

Indicative Opening Types

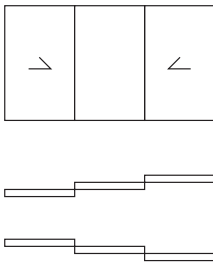
The presented product data is correct, except for typographical errors.



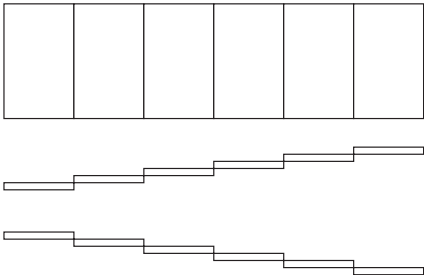
Bi-Rail



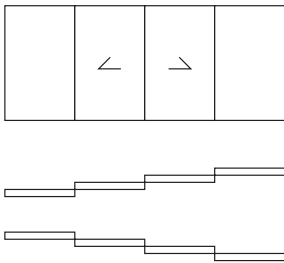
Penta-Rail



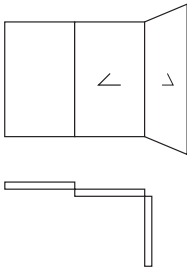
Tri-Rail



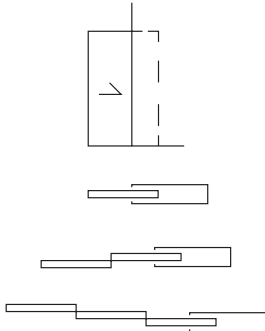
Hexa-Rail



Quad-Rail

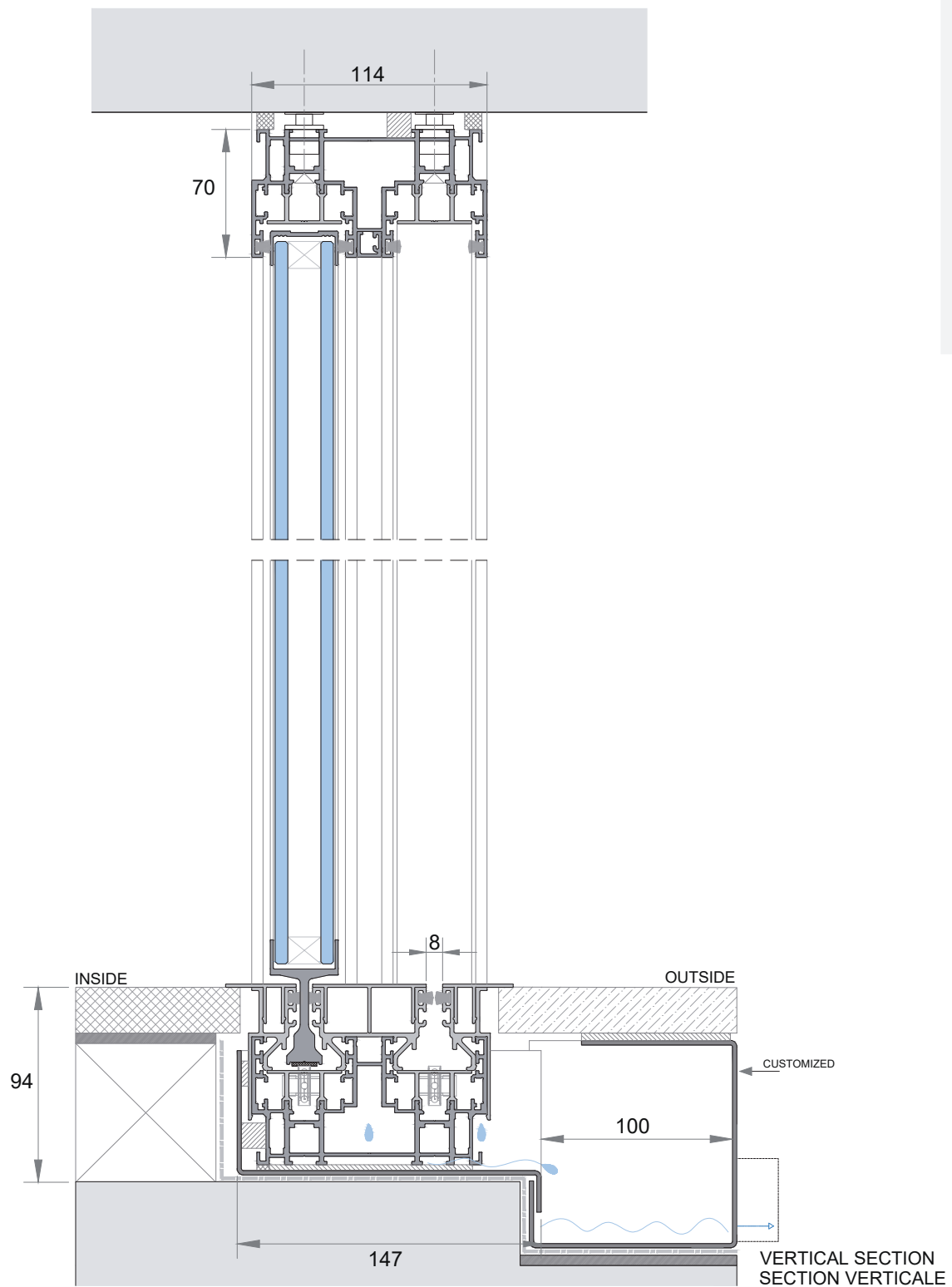


Corner

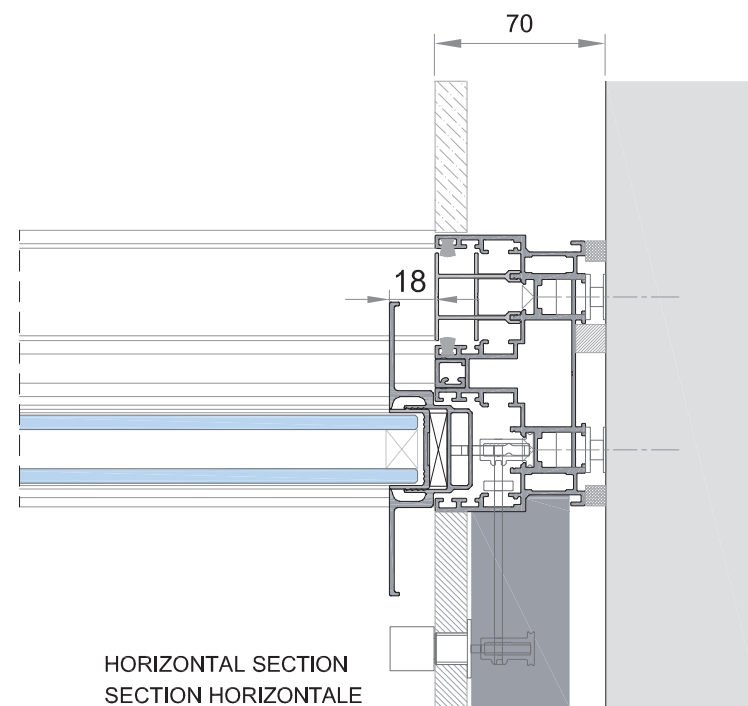
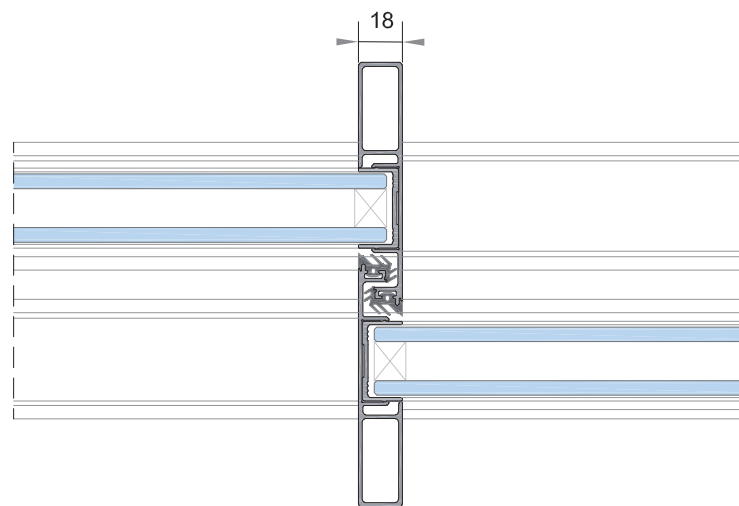
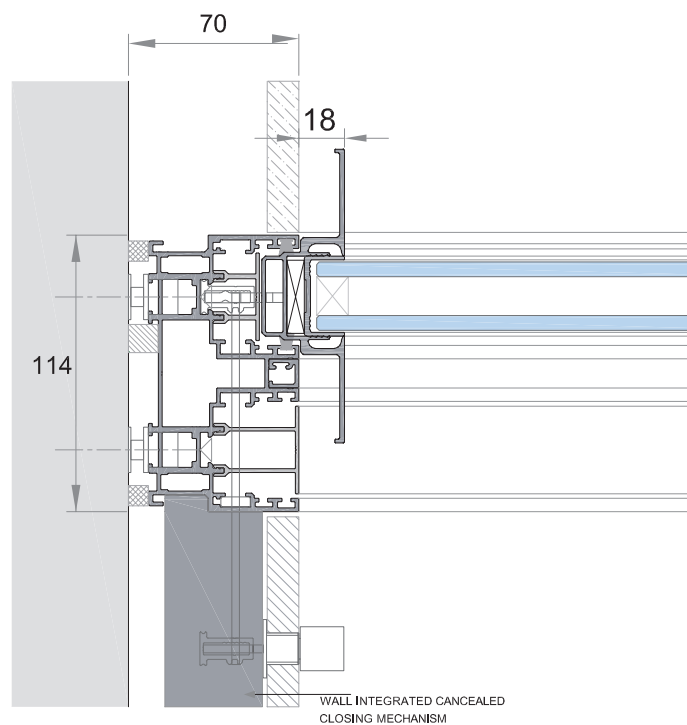


Pocket

- 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



S L I N E



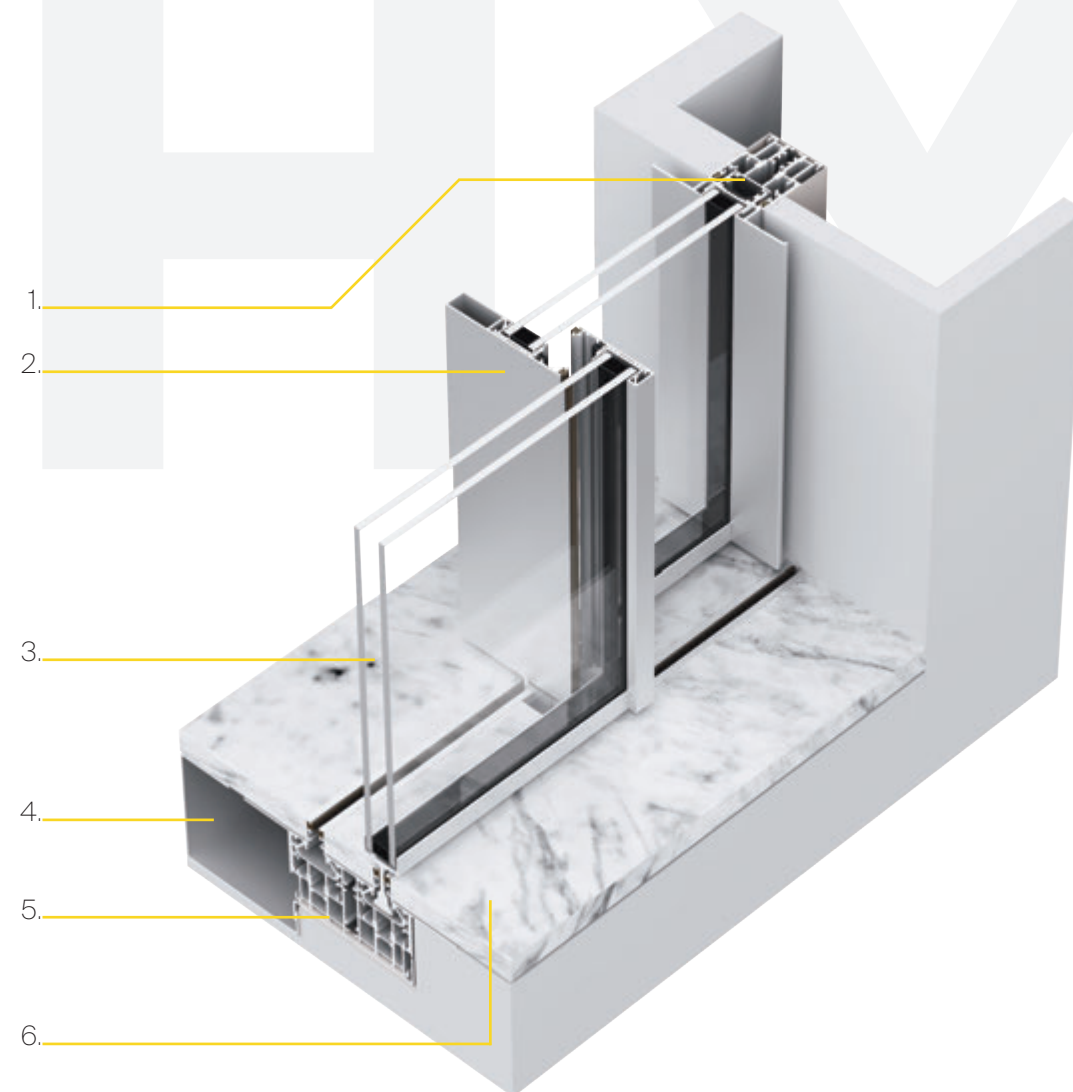
HY30

ONE SYSTEM,
SEVERAL POSSIBILITIES.

This minimalist system is suited for premium jobs. It was developed to use double glass up to 28mm thickness, up to 3,5m height or a glass surface of up to 9m². This robust window offers excellent acoustic and thermal performance.

This system allows the inclusion of shutters and fly screens.

1. Main Frame
2. Central Mullion
3. Glass
4. Drainage System
5. Inox Gutter
6. Interior finish



MEASUREMENTS

Maximum Width [CUSTOM]

Maximum Height 3500mm

Glazing
Maximum Area 9m²

Maximum Weight

500Kg/ML

Opening Options

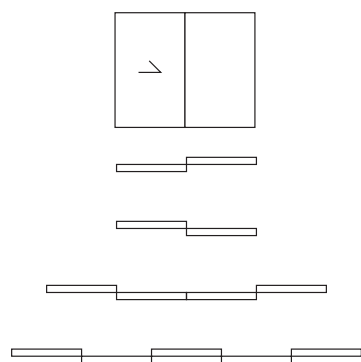
Customized
Corner
Motorized

Maximum box for Glass

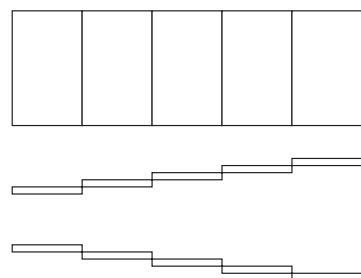
28mm

Indicative Opening Types

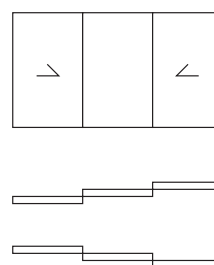
The presented product data is correct, except for typographical errors.



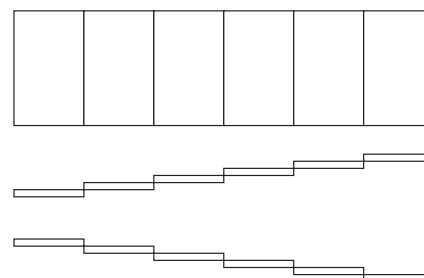
Bi-Rail



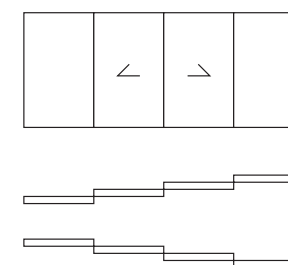
Penta-Rail



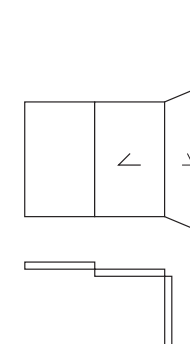
Tri-Rail



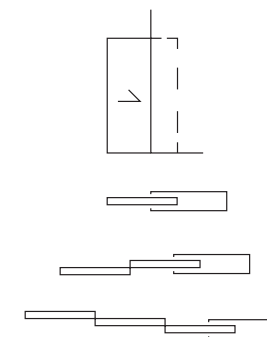
Hexa-Rail



Quad-Rail



Corner



Pocket

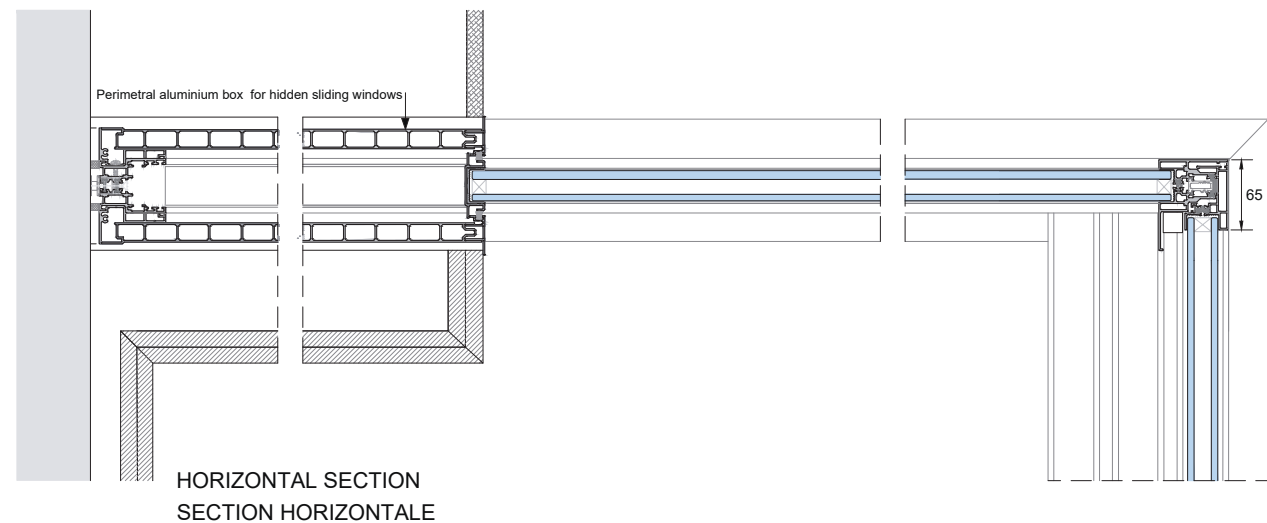
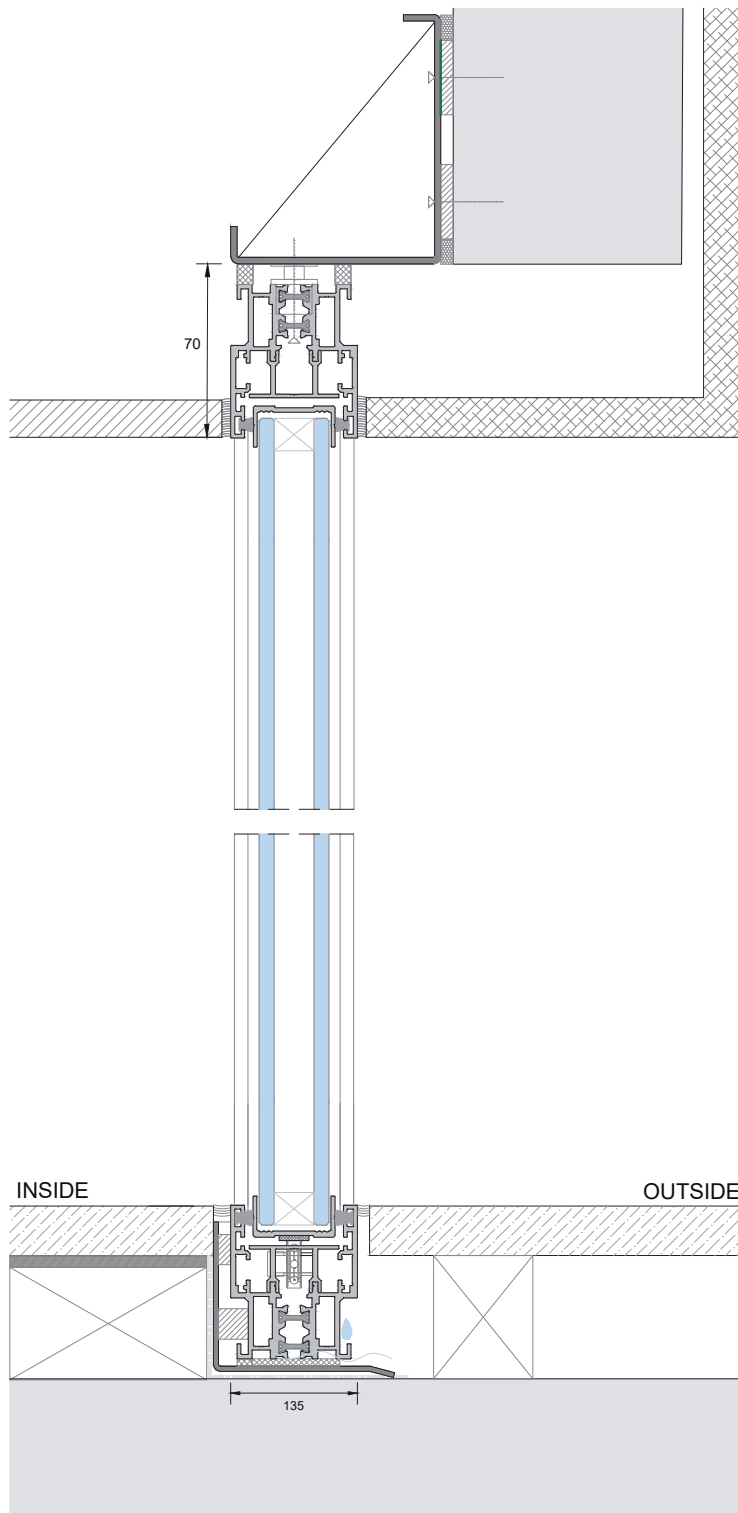
**SURFACE
TREATMENT**

HYLINE Colour Essentials (Ral Colores STD)

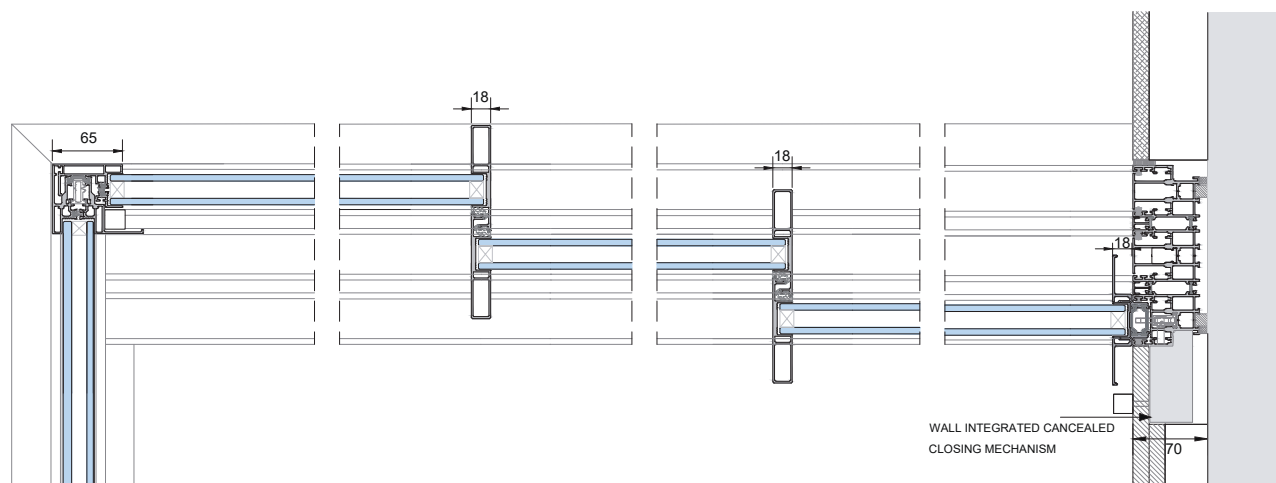
HYLINE Natural Metals (Qualanod EURAS Class 2 STD)

HYLINE Advanced Coating (Hiper Durable Finishings)

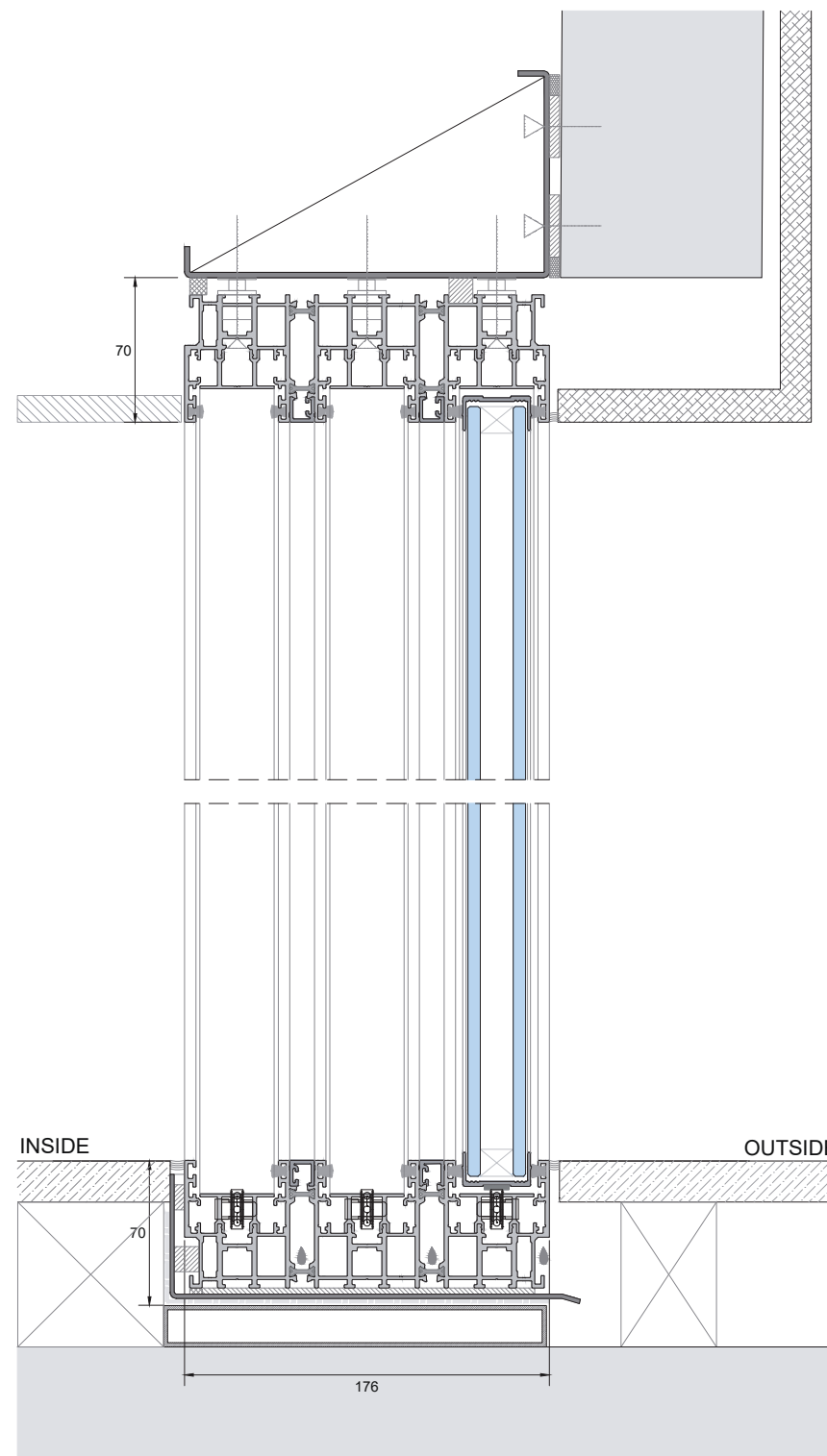
HYLINE Luxury Collection under Qualicoat Seaside Standards



30



HORIZONTAL SECTION
SECTION HORIZONTALE



VERTICAL SECTION
SECTION VERTICALE

HY40

pat. #2853674

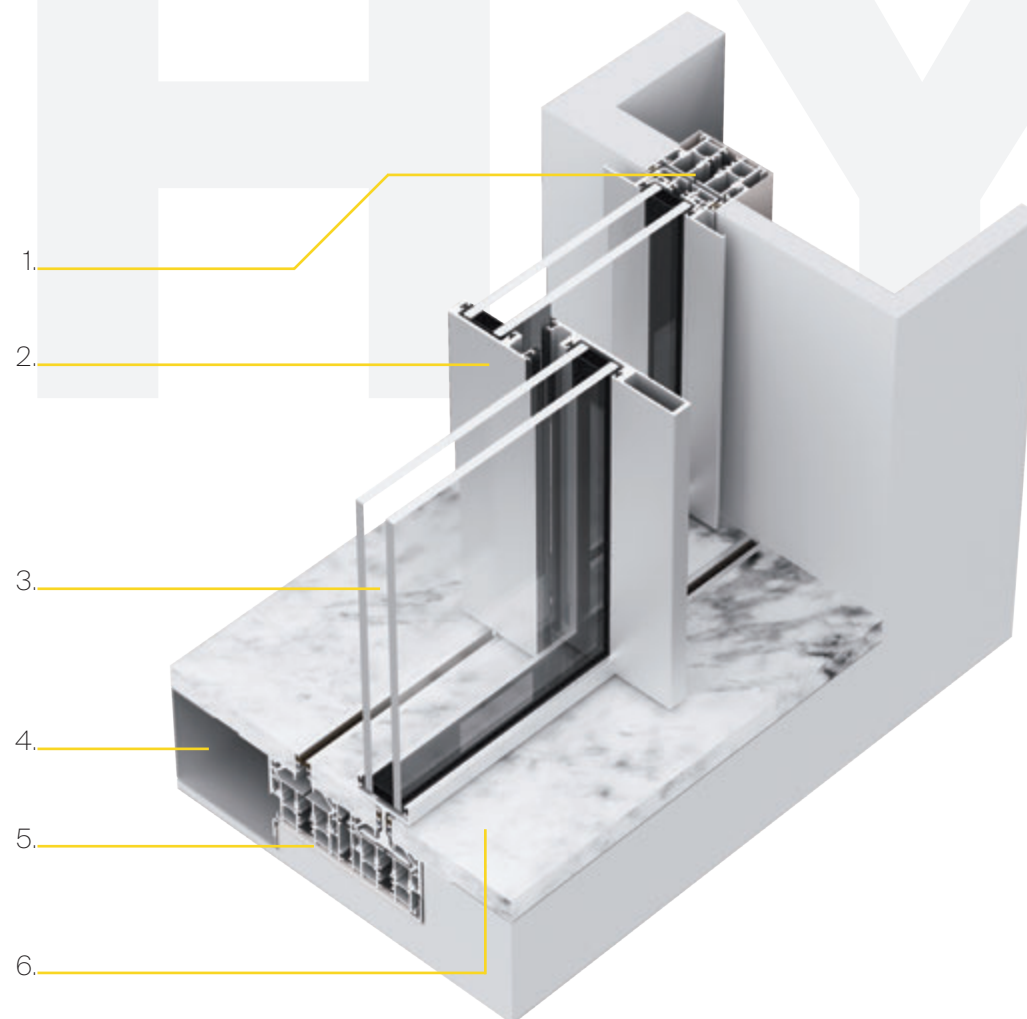
IDEAL FOR EVERY SITUATION.

This minimalist system is suited for premium jobs. It was developed to use double glass up to 38mm thickness, up to 6m height or a glass surface of up to 28m². This robust window offers excellent acoustic and thermal performance.

Developed with sophistication and attention to design in mind, this system is characterized by the smallest central mullion in the market and an integrated floor option that fully hides the frame, resulting in a obstacle-free threshold.

This system allows the inclusion of blackouts, blinds, screen in the interior glass and fly screens.

1. Main Frame
2. Central Mullion
3. Glass
4. Drainage System
5. Inox Gutter
6. Interior finish



MEASUREMENTS

Maximum Width [CUSTOM]

Maximum Height 6000mm

Glazing
Maximum Area 18m²

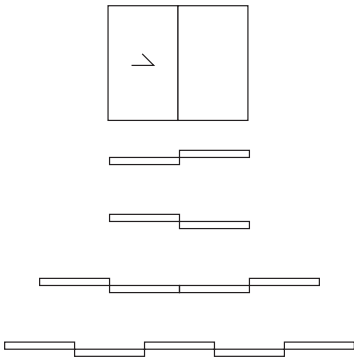
Maximum Weight 1000Kg/ML

Opening Options
Customized
Corner
Motorized

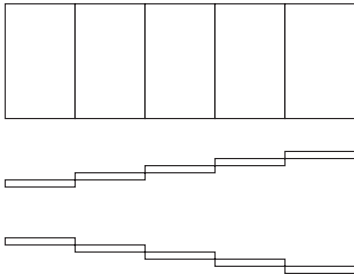
Maximum box for Glass 38mm

Indicative Opening Types

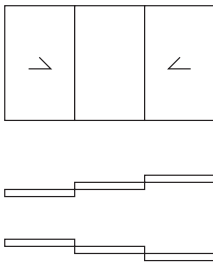
The presented product data is correct, except for typographical errors.



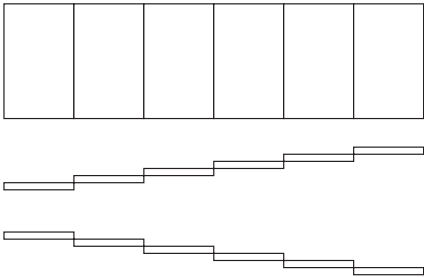
Bi-Rail



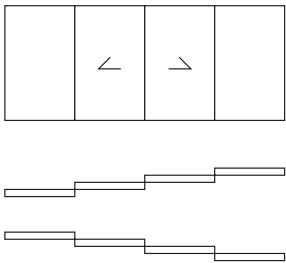
Penta-Rail



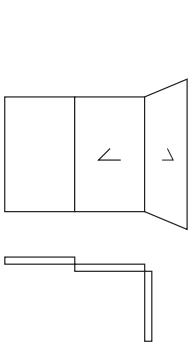
Tri-Rail



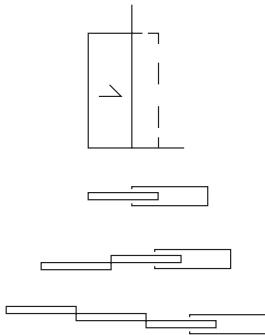
Hexa-Rail



Quad-Rail

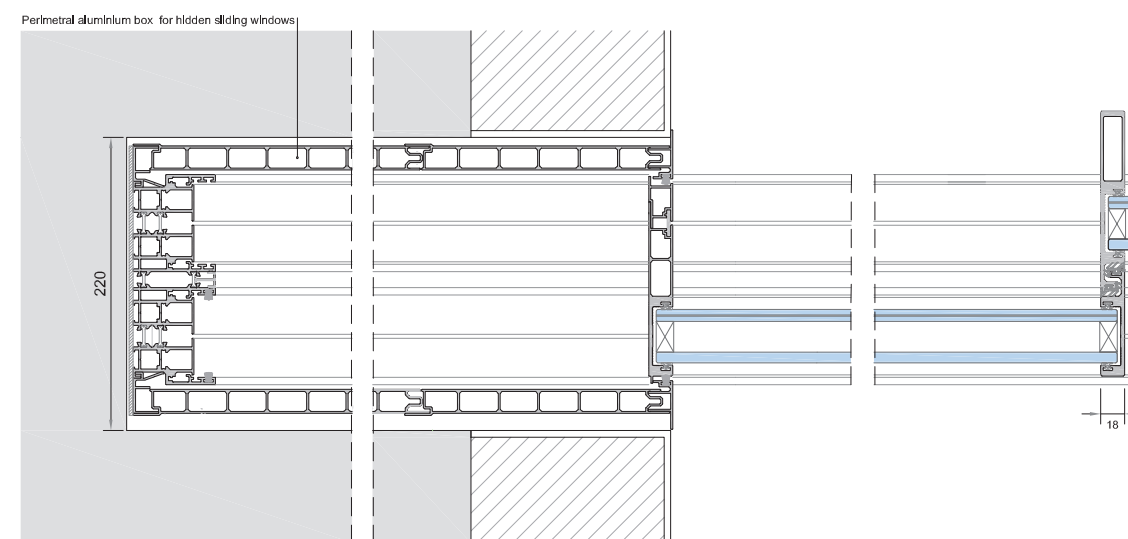
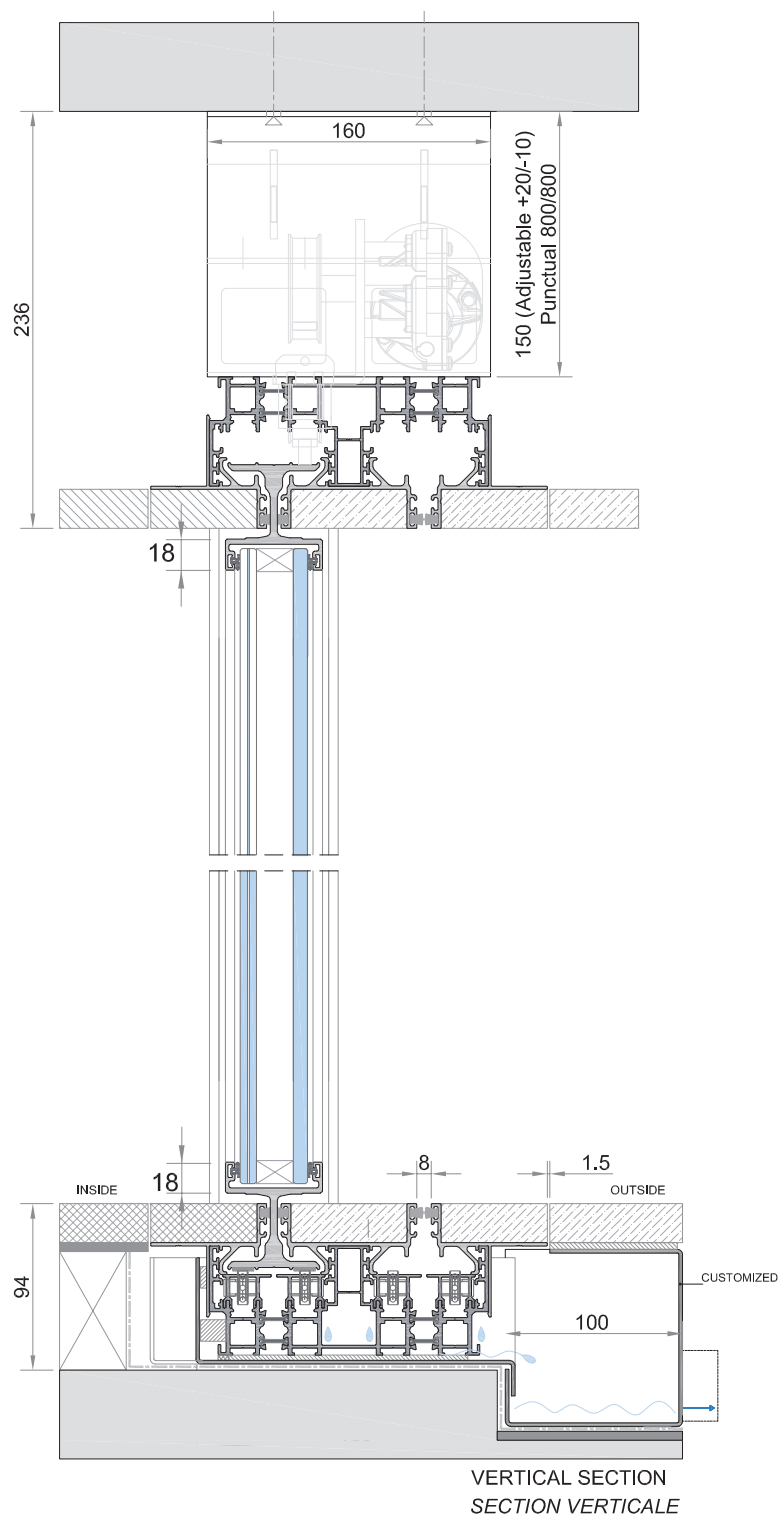


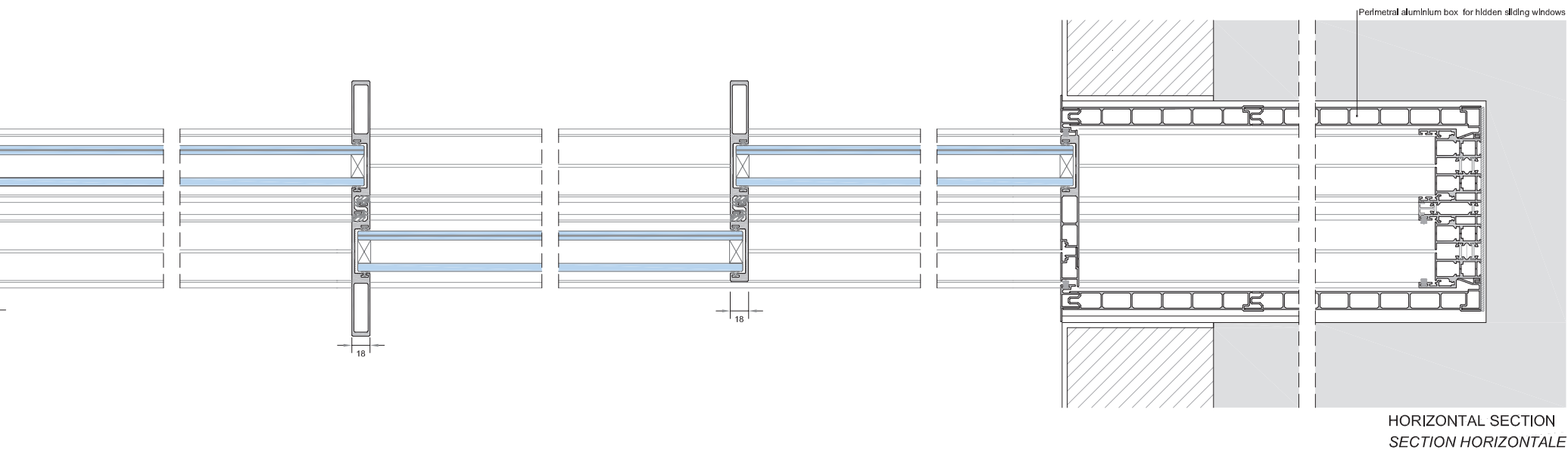
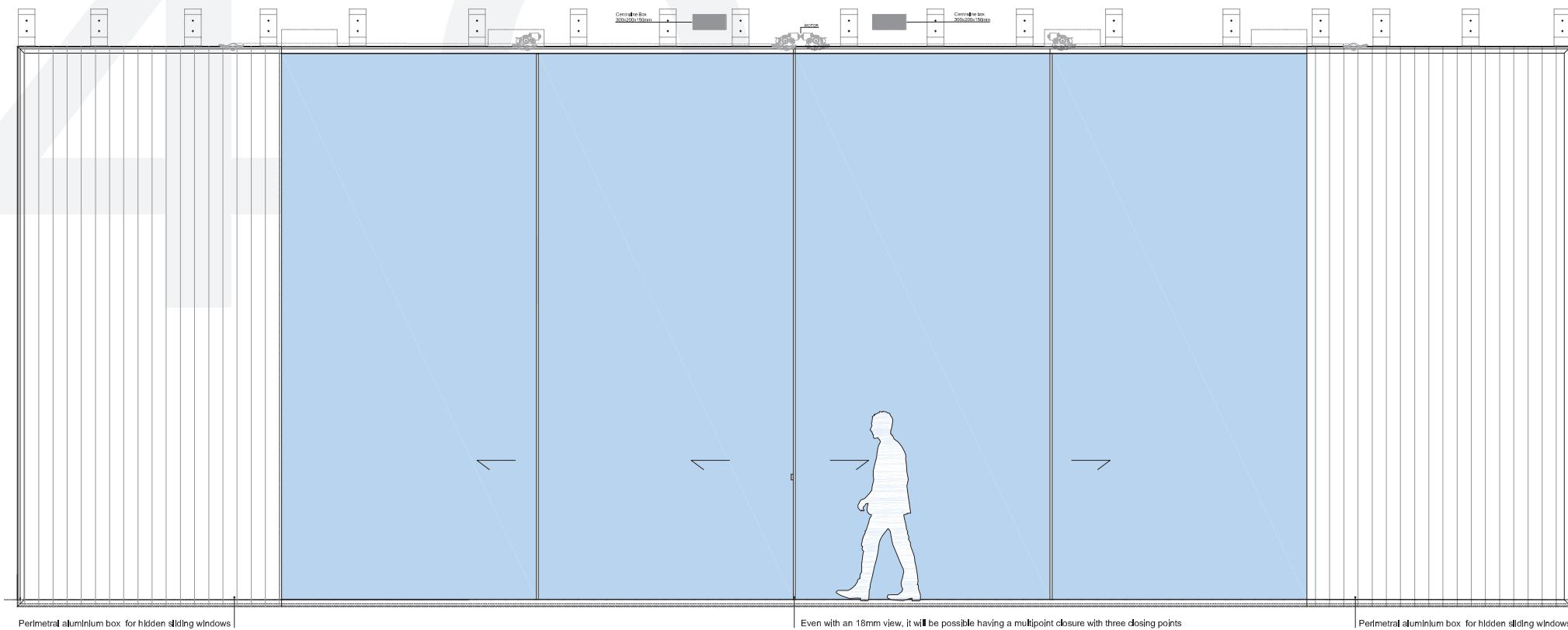
Corner



Pocket

- 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





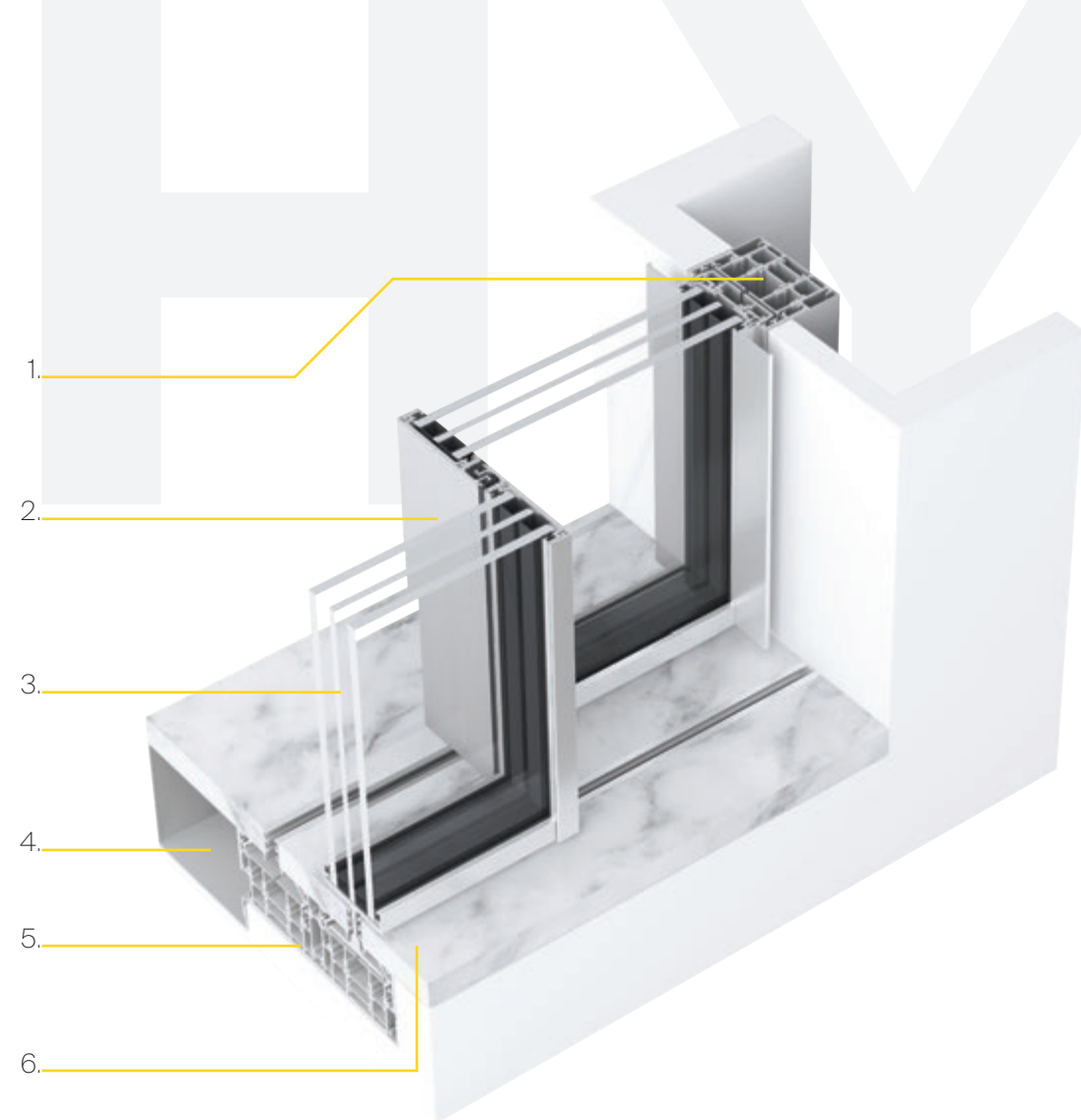
HY50

THE ULTIMATE MINIMALIST SYSTEM.

This minimalist system is suited for jobs that require extreme performances. It was developed to use double or triple glass up to 48mm thickness, up to 6m height or a glass surface of up to 28m². This robust window offers the best acoustic and thermal performance. Developed with sophistication and attention to design in mind, this system is characterized by the smallest central mullion in the market and an integrated floor option that fully hides the frame, resulting in a obstacle-free threshold.

This system allows the inclusion of blackouts, blinds, screen in the interior glass and fly screens.

1. Main Frame
2. Central Mullion
3. Glass
4. Drainage System
5. Inox Gutter
6. Interior finish



MEASUREMENTS

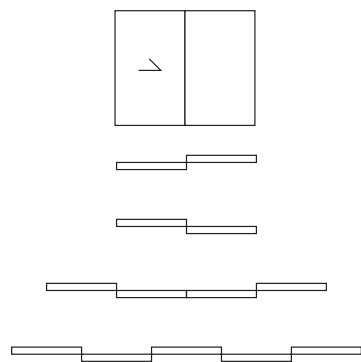
Maximum Width	[CUSTOM]
Maximum Height	6000mm
Maximum Glazing Dimensions	18m ²

Maximum Weight	1000Kg/ML
Opening Options	Customized Automatic Motorized

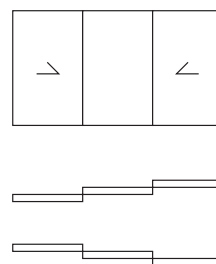
Maximum box for Glass	48mm
-----------------------	------

Indicative Opening Types

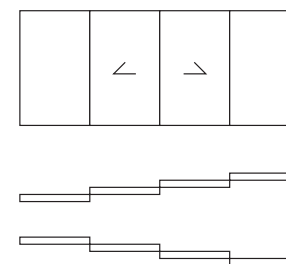
The presented product data is correct, except for typographical errors.



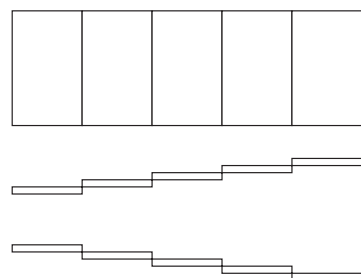
Bi-Rail



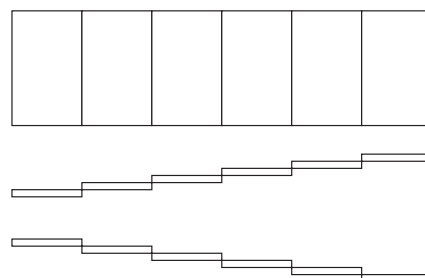
Tri-Rail



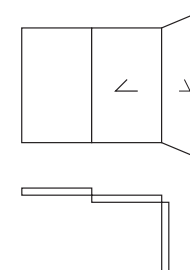
Quad-Rail



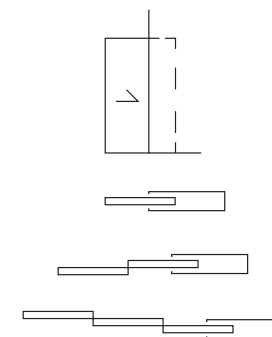
Penta-Rail



Hexa-Rail



Corner



Pocket

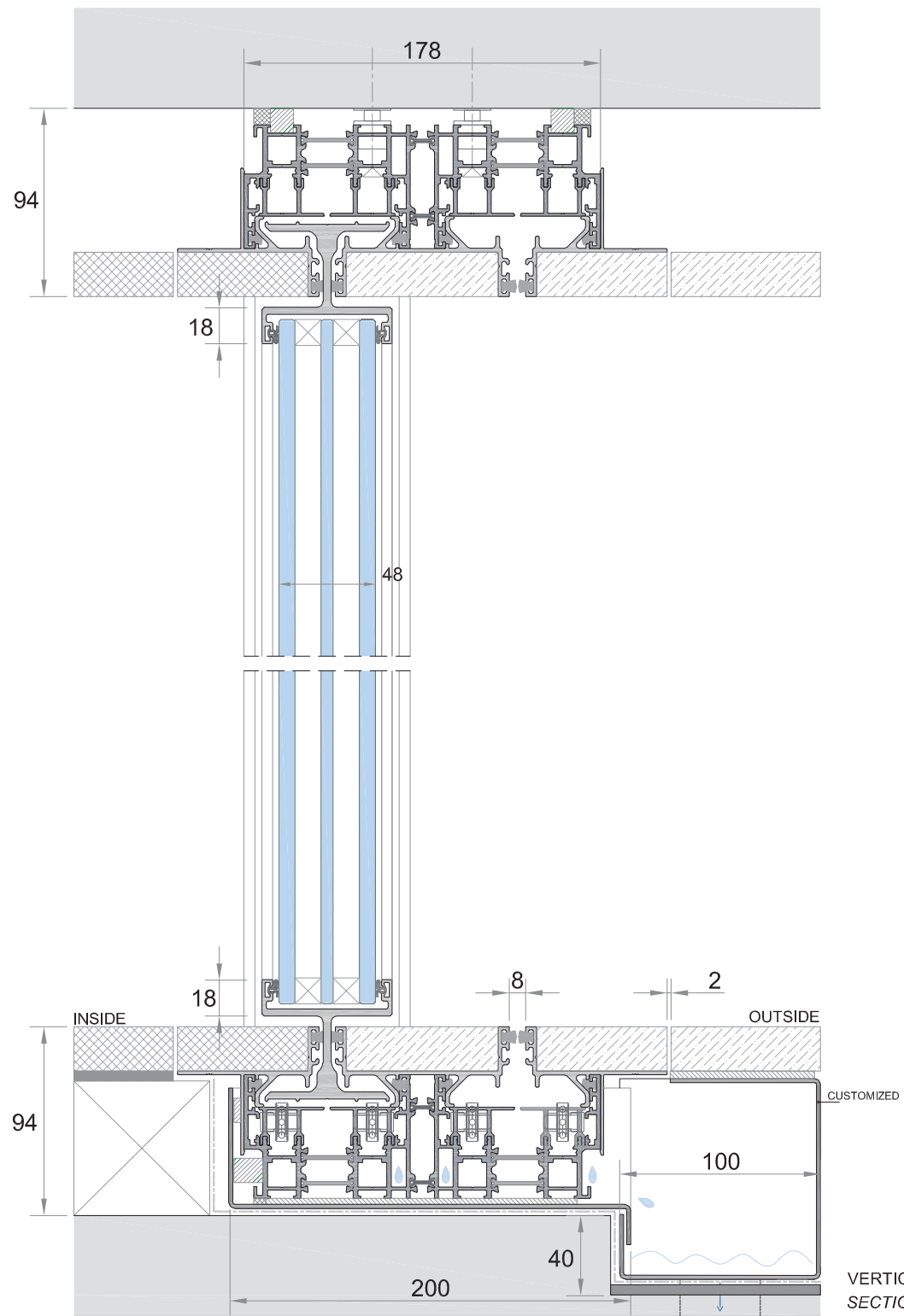
**SURFACE
TREATMENT**

HYLINE Colour Essentials (Ral Colores STD)

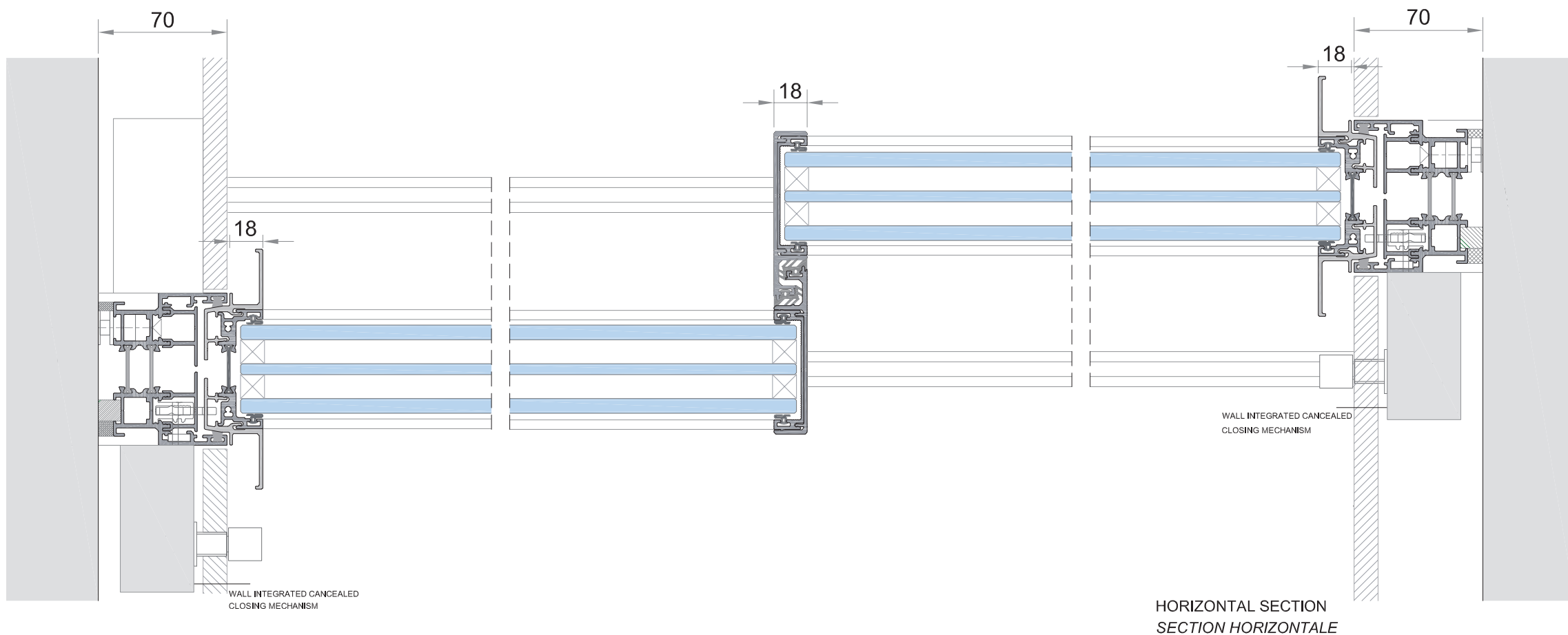
HYLINE Natural Metals (Qualanod EURAS Class 2 STD)

HYLINE Advanced Coating (Hiper Durable Finishings)

HYLINE Luxury Collection under Qualicoat Seaside Standards



50



HYPI

DETAILS MAKE A DIFFERENCE

This system was specially developed to fulfill the needs of modern architecture. It is suitable for large entrance doors while maintaining the same minimalist design language that defines HYLINE.

Despite the large dimensions of the vents it ensures a silent and effort free utilization.

The hardware used in the HYPI system is fully hidden, allowing for a perfect framing of the surrounding landscape.

Further customization is possible according to client demands.

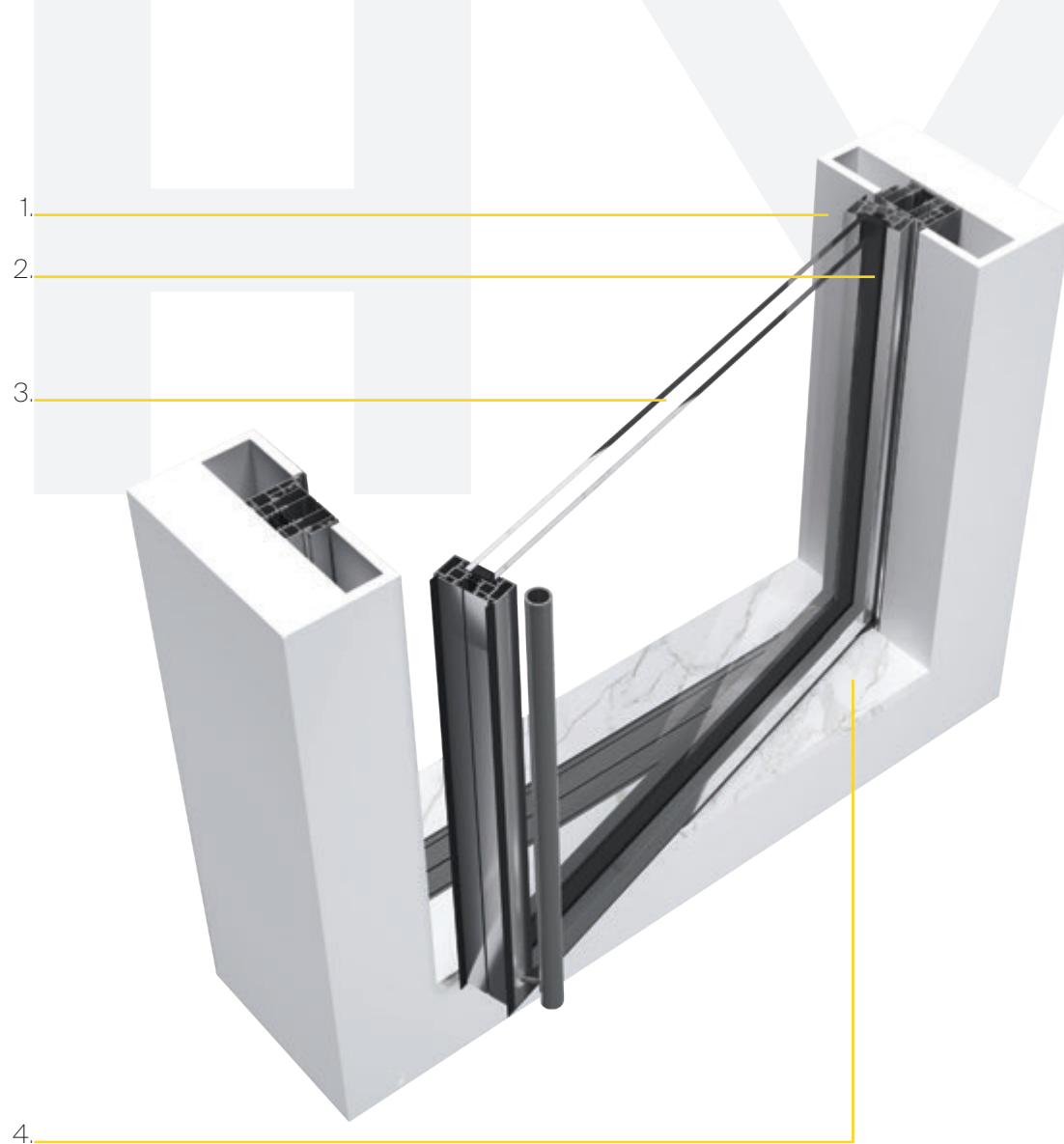
After all, in HYLINE details make the difference.

Includes:

- Perimetral multipoint closures possibility;
- Double perimetral seal;
- Automatic operation available

Also available as HYPIWOOD, a version with wood finishing.

1. Main Frame
2. Mullion
3. Glass
4. Interior finish



MEASUREMENTS

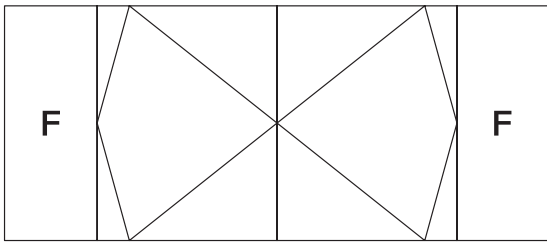
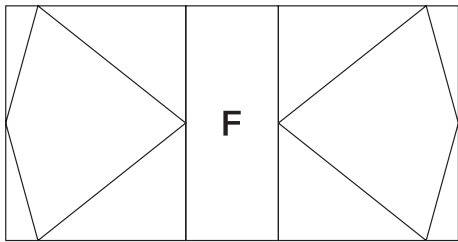
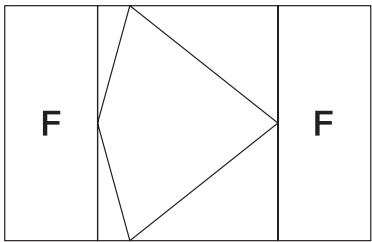
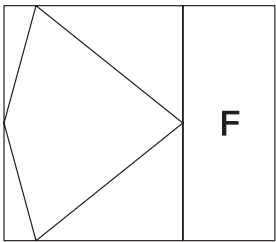
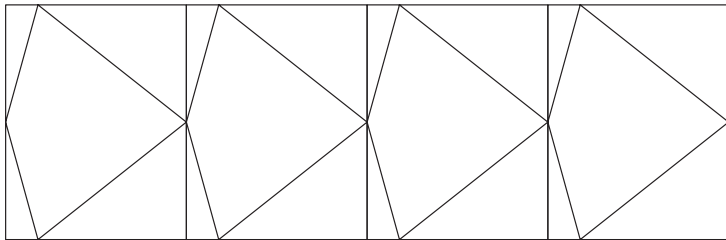
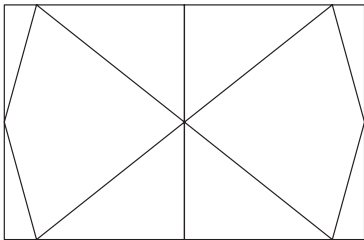
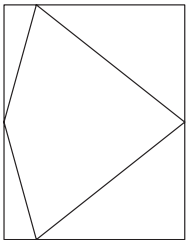
Maximum Width	2500mm
Maximum Height	5000mm
Glazing	
Maximum Area	Under consultation

Maximum Weight	750Kg PER VENT
Opening Options	Manual Motorized

Maximum box for Glass	38mm
-----------------------	------

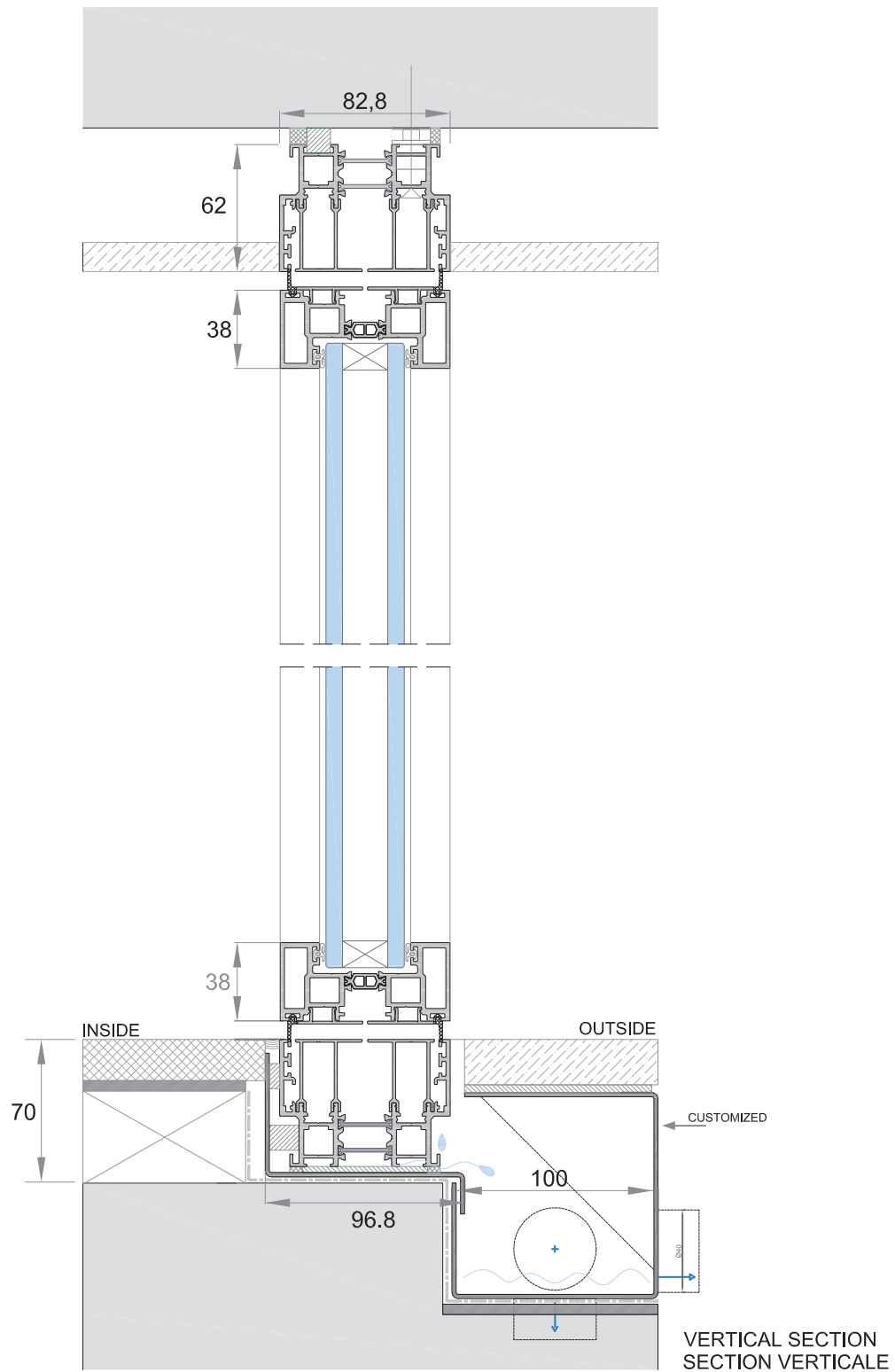
Indicative Opening Types

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

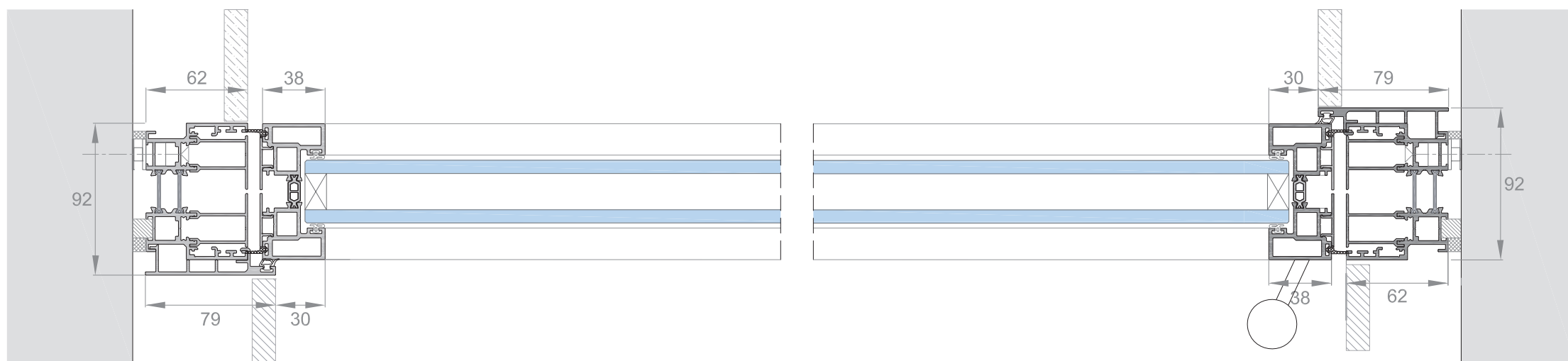


SURFACE
TREATMENT

- 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



P



HORIZONTAL SECTION
SECTION HORIZONTALE

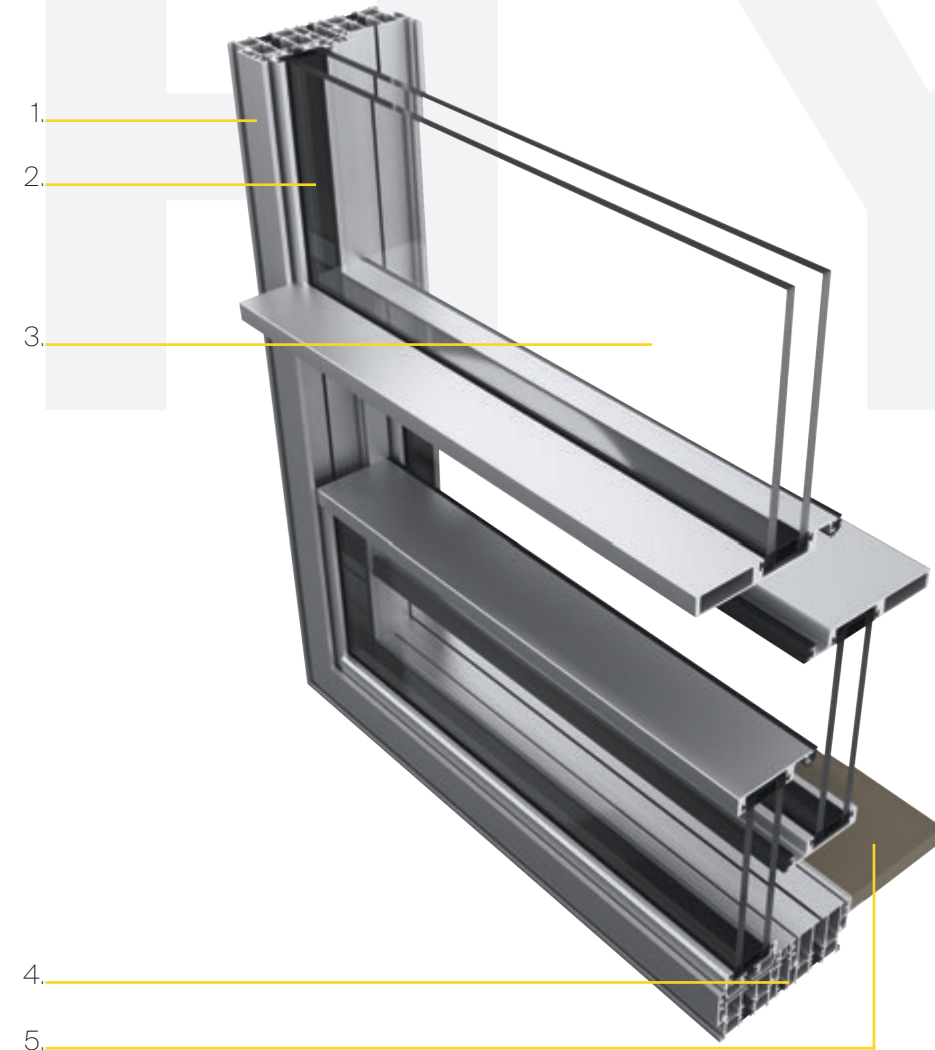
HYGUI

INDOOR AND OUTDOOR PASSAGES

The guillotine system is one of the innovated lines and luxury designs of the High Tec performances, as the other series from HYLINE. It offers total openings in great dimensions. HYGUI has a vertical closing and opening movement without any barrier. The sash, perfectly balanced (maximum up to 340kg for each sash), can manually be operated without effort. Motorization can be an option.

With an adjusted natural ventilation, and fully vertical openings, HYLINE has added new solutions. HYGUI glazing can range up to 6m wide and 3m high weighing up to 3500kg, which also can be automatically retracted offering new and huge perspectives.

1. Main Frame
2. Central Mullion
3. Glass
4. Inox Gutter
5. Interior finish



MEASUREMENTS

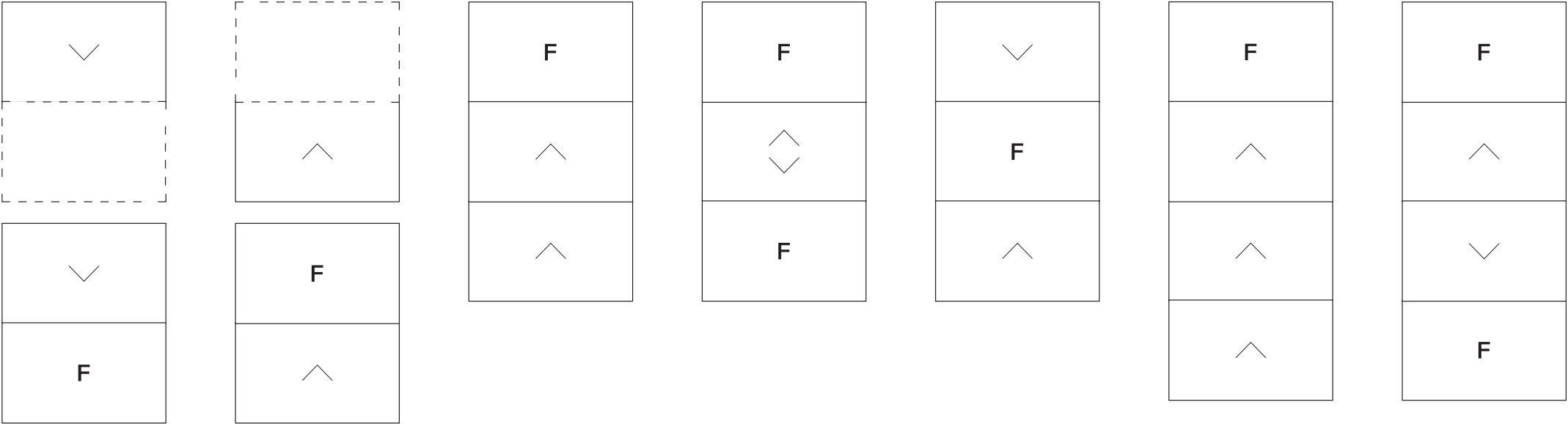
Maximum Width	Under consultation
Maximum Height	Under consultation
Double Glazing	
Maximum Area	Under consultation

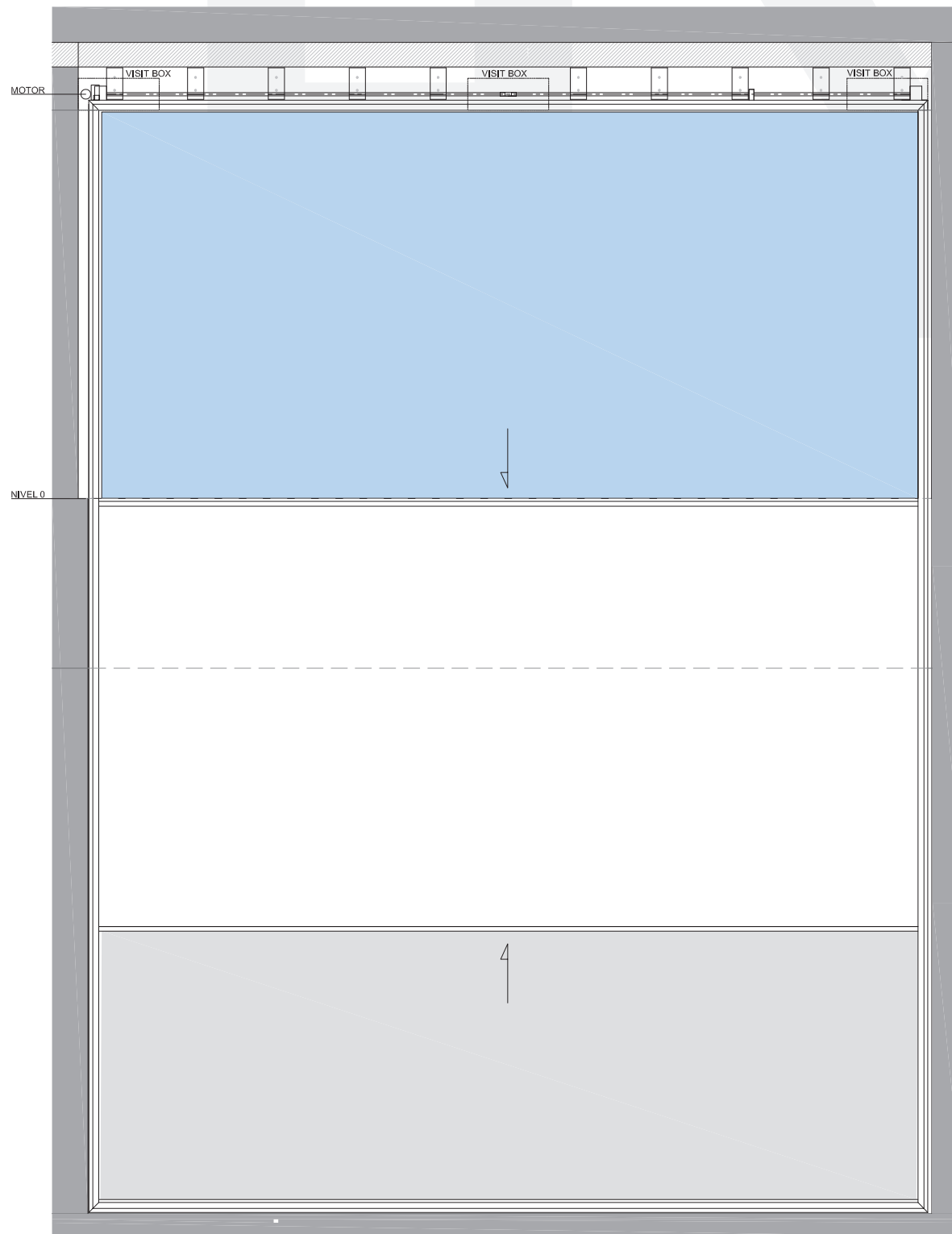
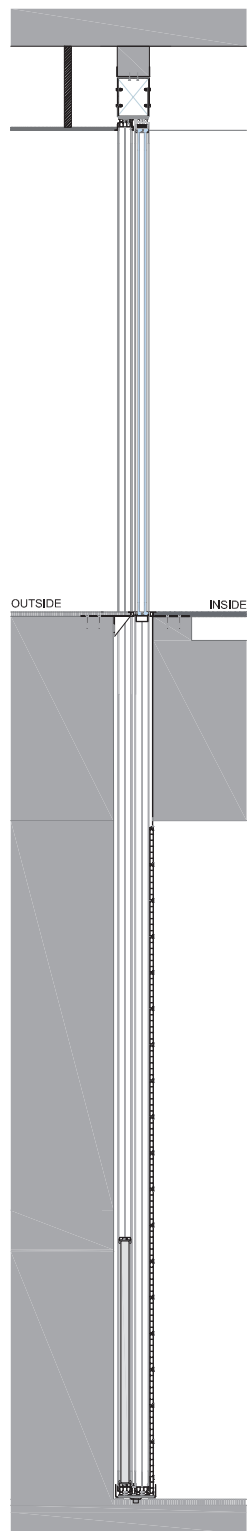
Maximum Weight	340Kg PER VENT 3.500Kg PER VENT FOR MOTORISED OPERATION
Opening Options	Vertical Opening, With or without pocket

Maximum box for Glass	28mm
	38mm

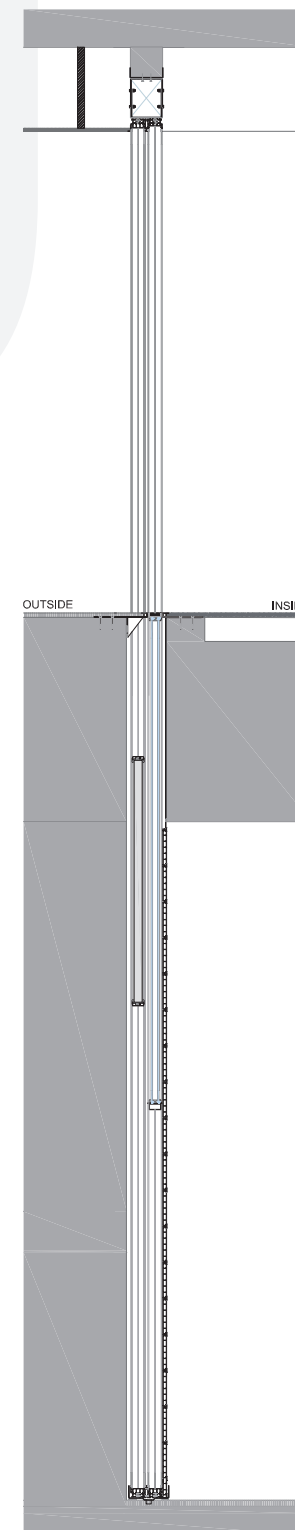
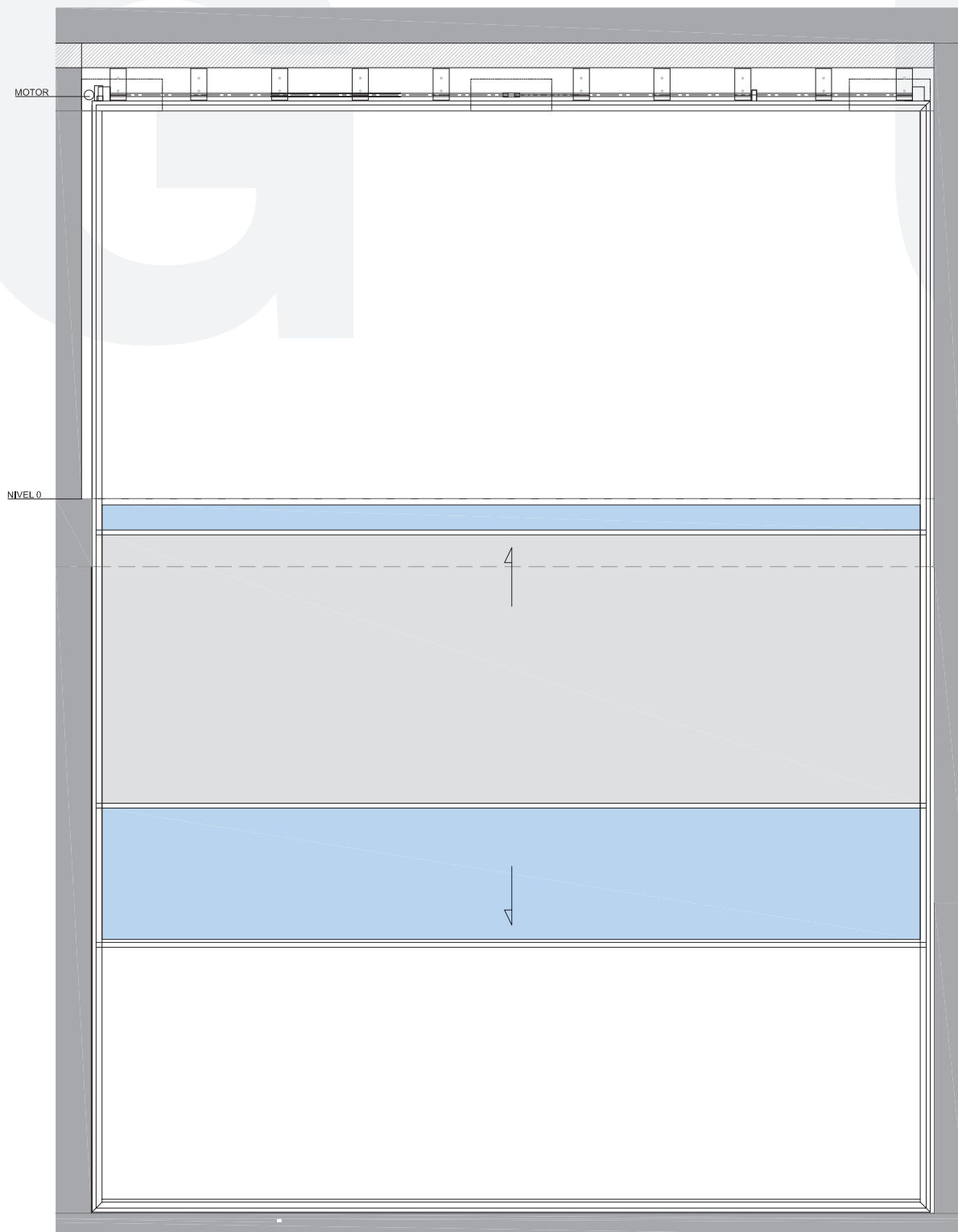
Indicative Opening Types

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





VERTICAL SECTION
SECTION VERTICALE



VERTICAL SECTION
SECTION VERTICALE

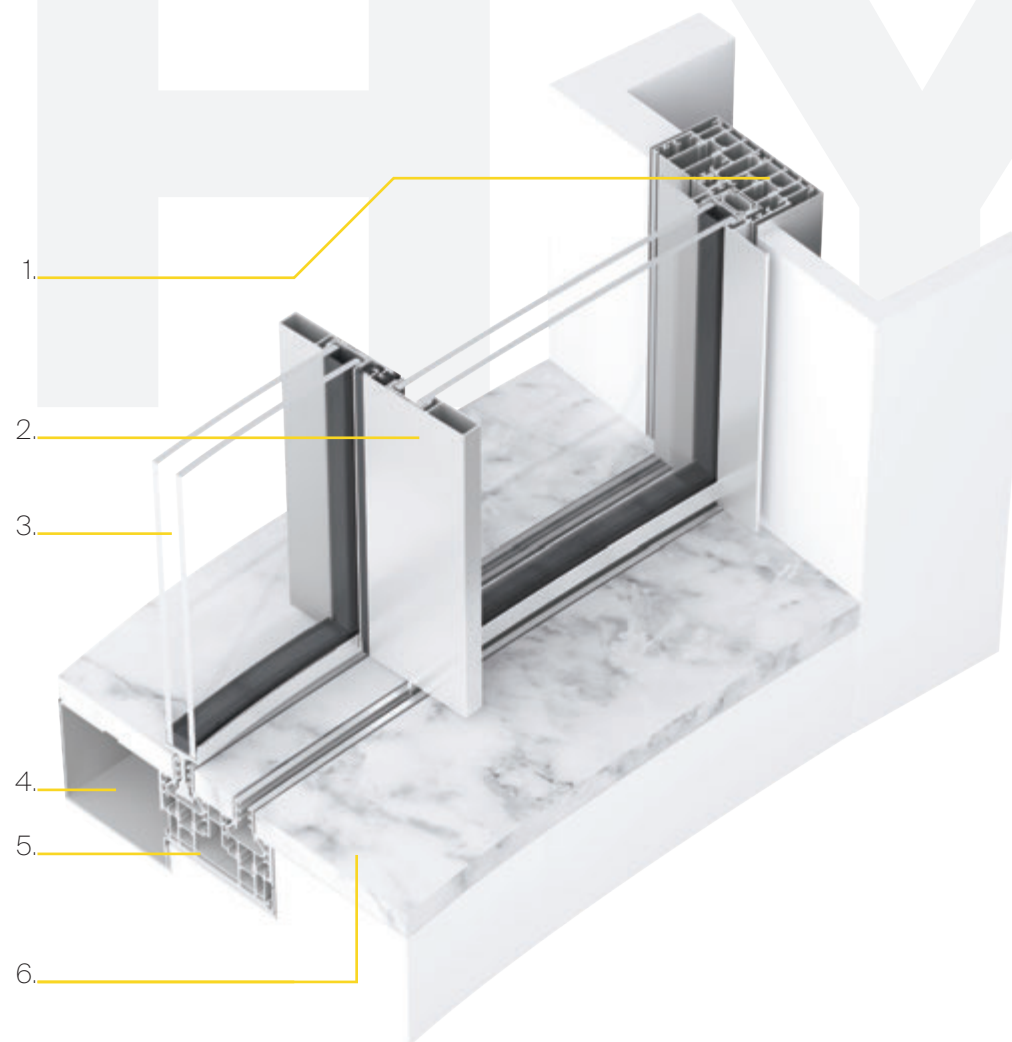
HYARC

SOFTNESS IN THE CONTOURS

APPLICABLE FOR HYSLIM AND HY30/40/50 MODELS

An innovative HYLINE sliding system, ideal for those looking for the opposite of the linearity found in traditional architecture. With excellent thermal and acoustic performance, curved glass panels allow you to open a number of options in contemporary architecture. It is possible to soften the contours of a room without losing the HYLINE identity, as well as to revolutionize the façade, opening an infinite world of customizations with organic forms.

1. Main Frame
2. Central Mullion
3. Glass
4. Drainage System
5. Inox Gutter
6. Interior finish



MEASUREMENTS

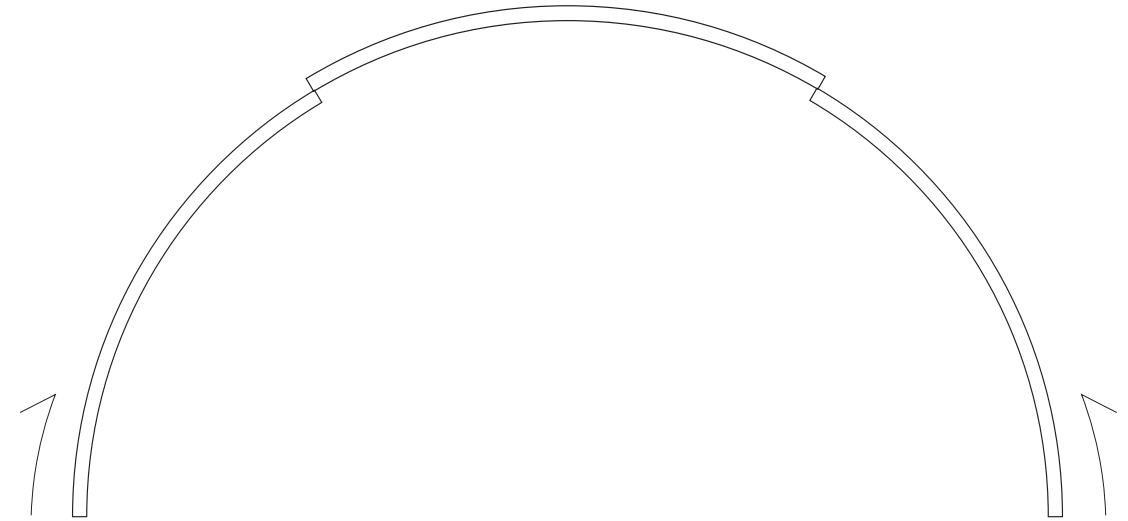
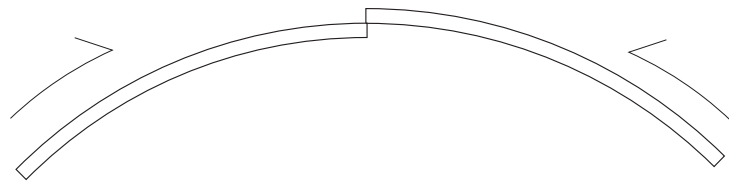
Maximum Width	Under consultation
Maximum Height	3500mm
Double Glazing	
Maximum Area	10m ² > UNDER CONSULTATION

Maximum Weight	1000Kg/ML
Minimum Radius	Under consultation
Opening Options	Under consultation

Maximum box for Glass	48mm
-----------------------	------

Indicative Opening Types

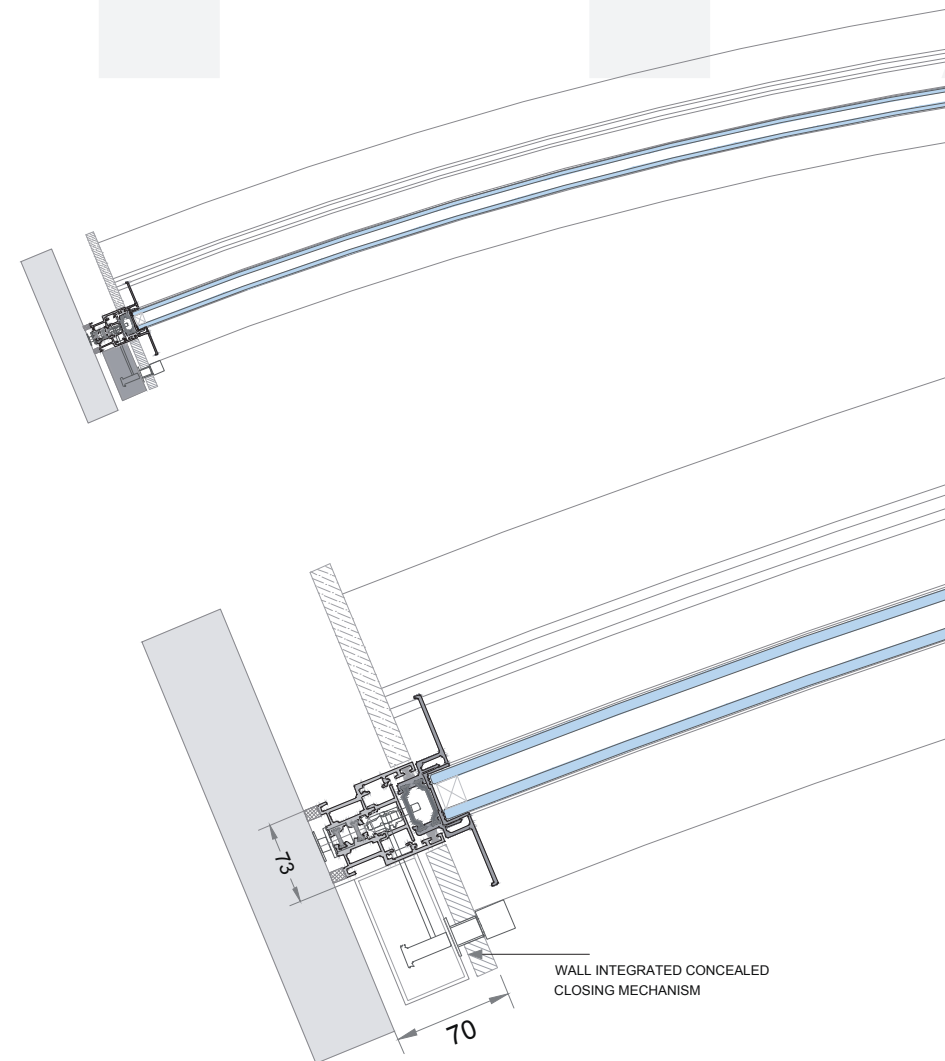
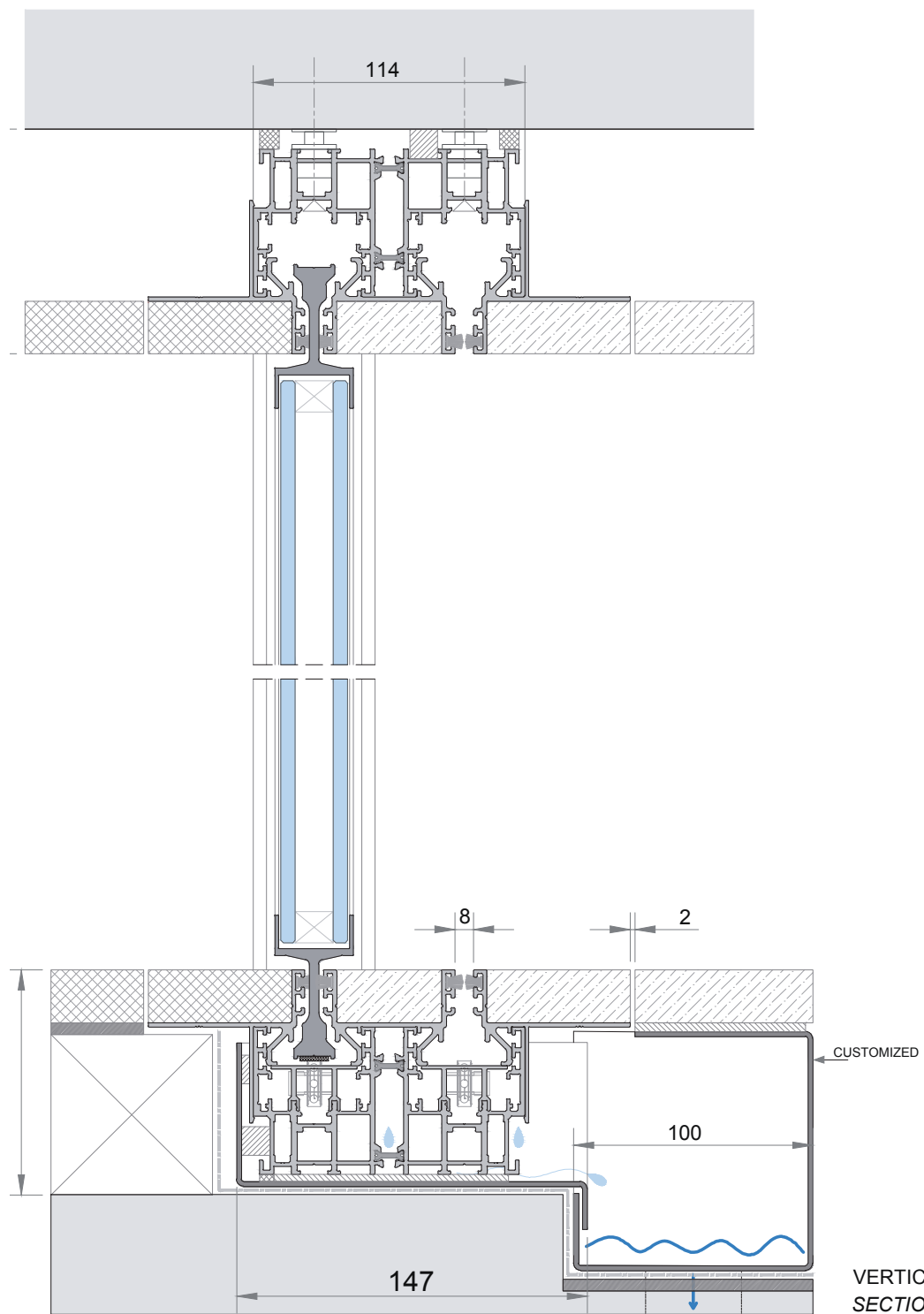
The presented product data is correct, except for typographical errors.

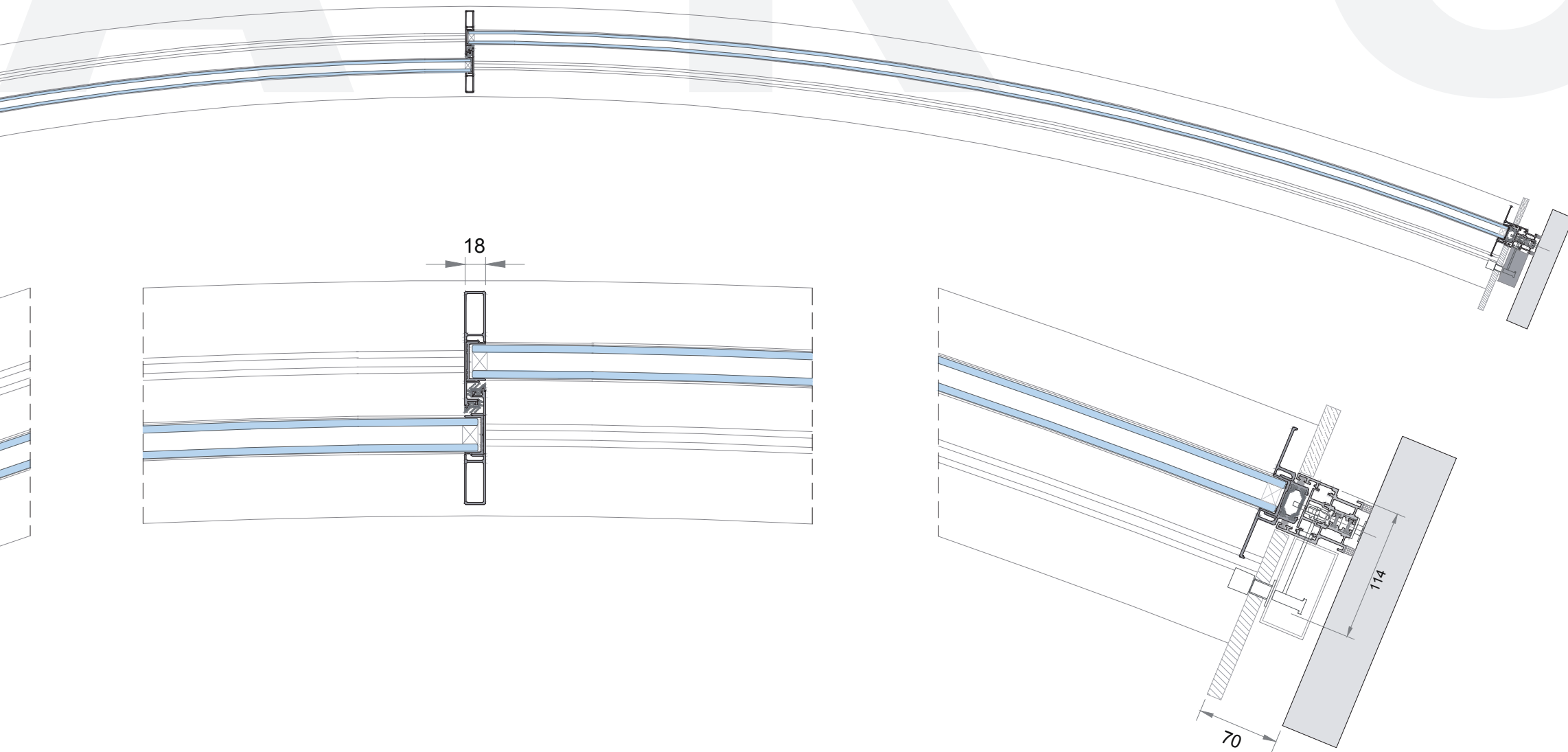


Bi-Rail

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





HORIZONTAL SECTION
SECTION HORIZONTALE

HYINV

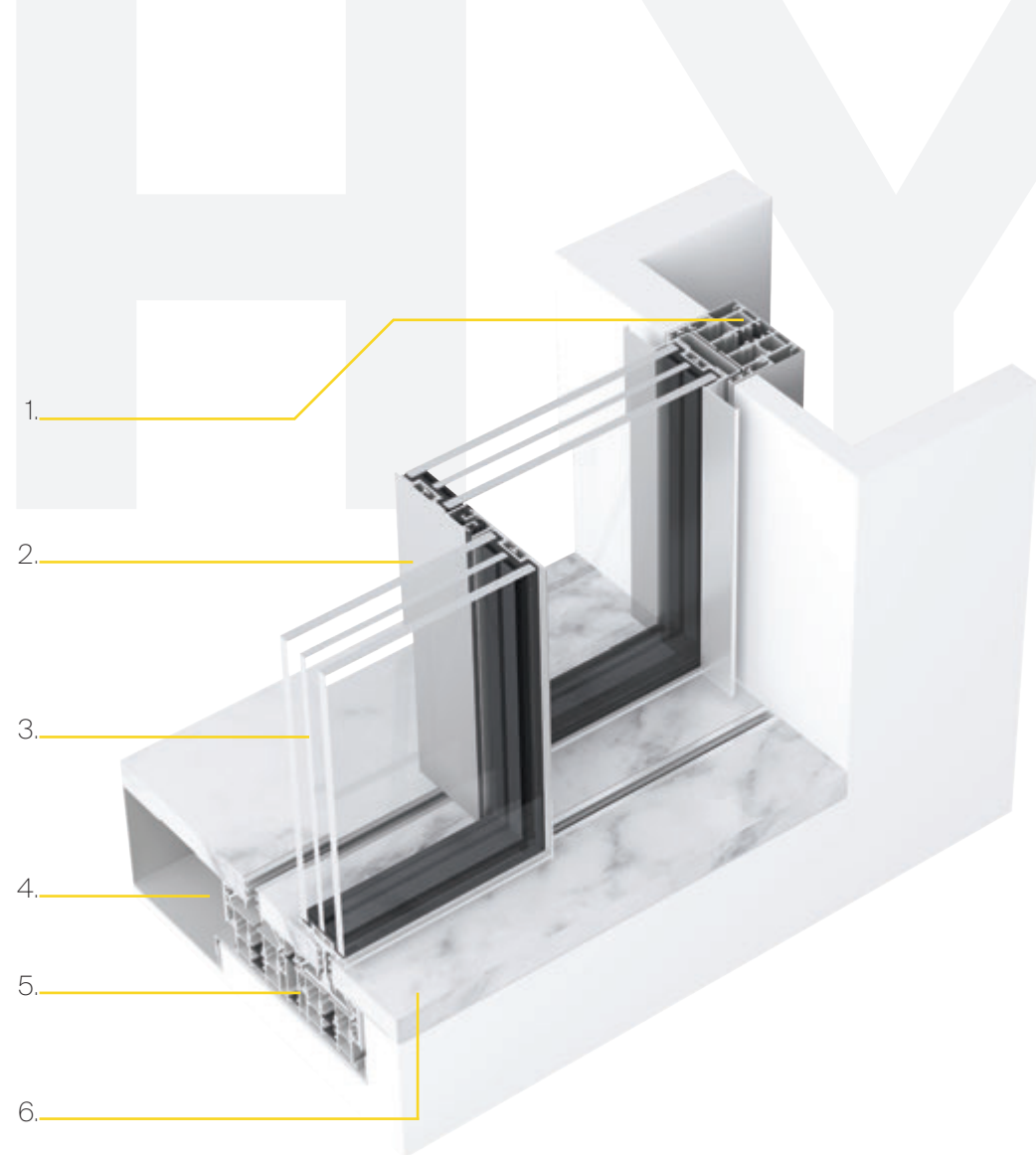
pat. #2017/195064 A1

IT'S THERE, CAN YOU SEE IT?

You can't see it, but trust us the aluminium is there. This innovative sliding system offers the smallest aluminium view of the market and offers no obstacles between interior and exterior. We also ensured that the existing gap in the sliding window is narrower than a lady's high heel, hides the bearings and avoids the accumulation of debris.

Its a very reliable system with no maintenance needed and can also be manually or automatically operated.

1. Main Frame
2. Central Mullion
3. Glass
4. Drainage System
5. Inox Gutter
6. Interior finish



MEASUREMENTS

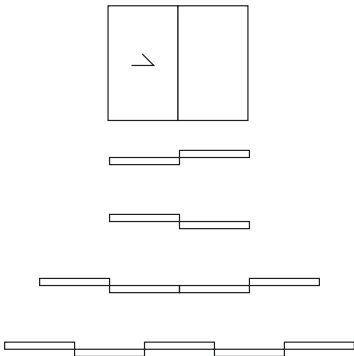
Maximum Width	Under consultation
Maximum Height	3000mm
Maximum Glazing Dimensions	9m ²

Maximum Weight	1000Kg/ML
Opening Options	Customized Corner Motorized

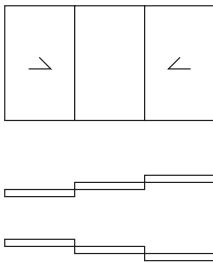
Maximum box for Glass	48mm
-----------------------	------

Indicative Opening Types

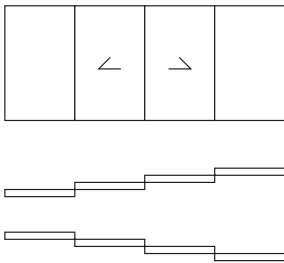
The presented product data is correct, except for typographical errors.



Bi-Rail

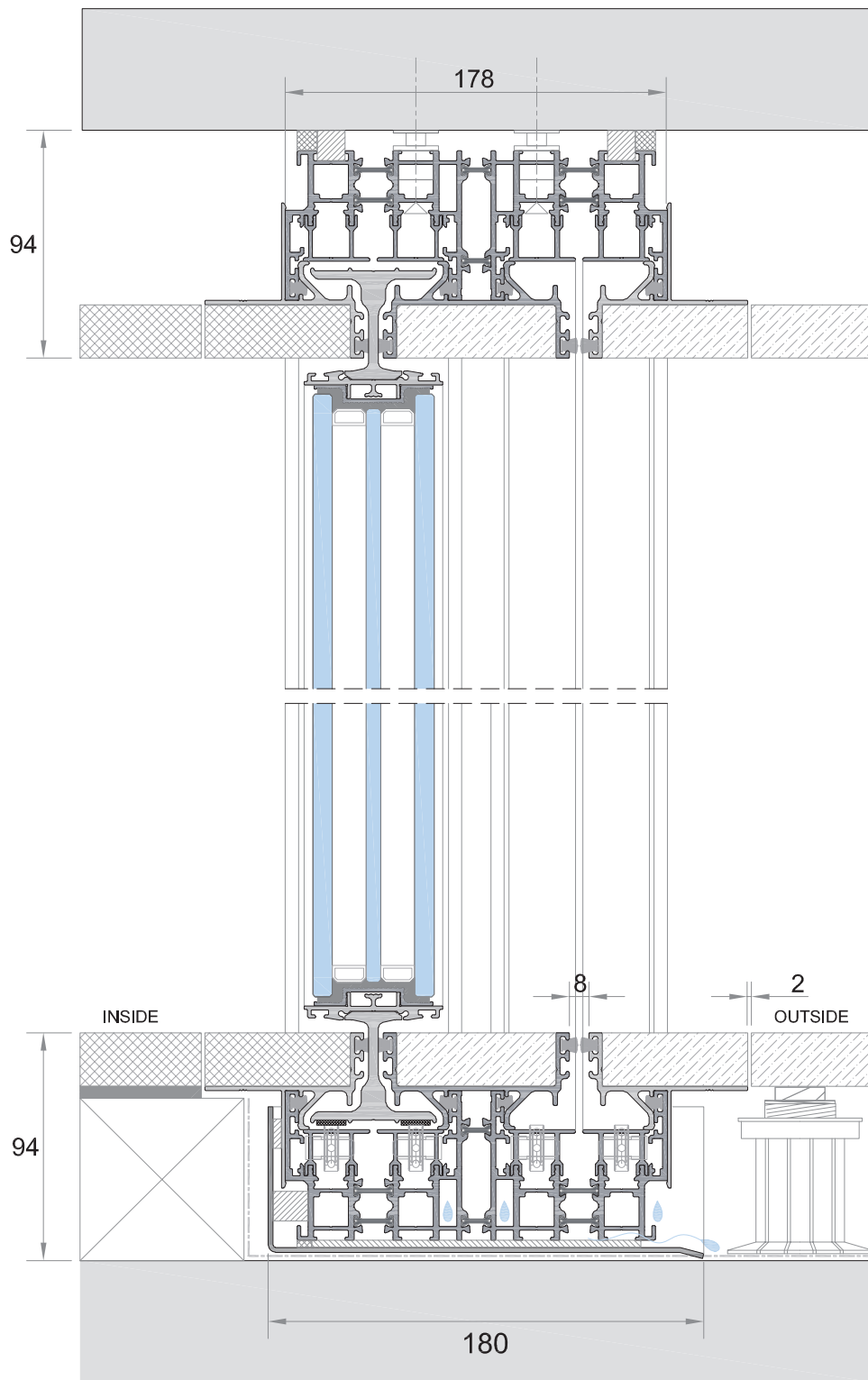


Tri-Rail

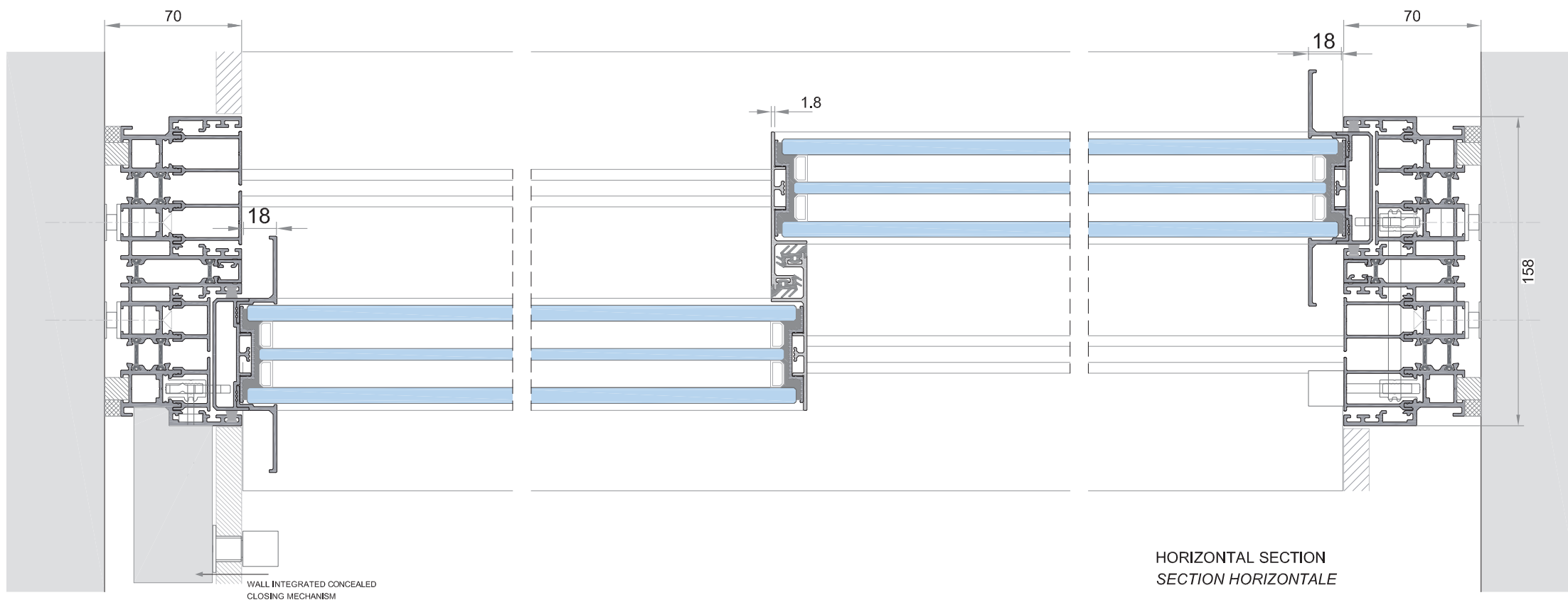


Quad-Rail

- 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



VERTICAL SECTION
SECTION VERTICALE



HYWIN+

1. Main Frame
2. Central Mullion 18mm
3. Glass

HYWIN+ is the Minimalist T&T/TBT dry glazing window, fully compatible and integrated with HYLINE sliders offer.

18mm of aluminum exterior periferic view. Centered handle 18mm. Maximum dimensions with a minimalist approach, up to 2,8m high and up to 1,7m wide, restrained to a maximum sash weight of 180kg.

Robust structural solution, slim straight lines with concealed accesories.



MEASUREMENTS

Maximum Width 1700mm

Maximum Height 2800mm

Maximum Weight

180Kg/ sash

Opening Options

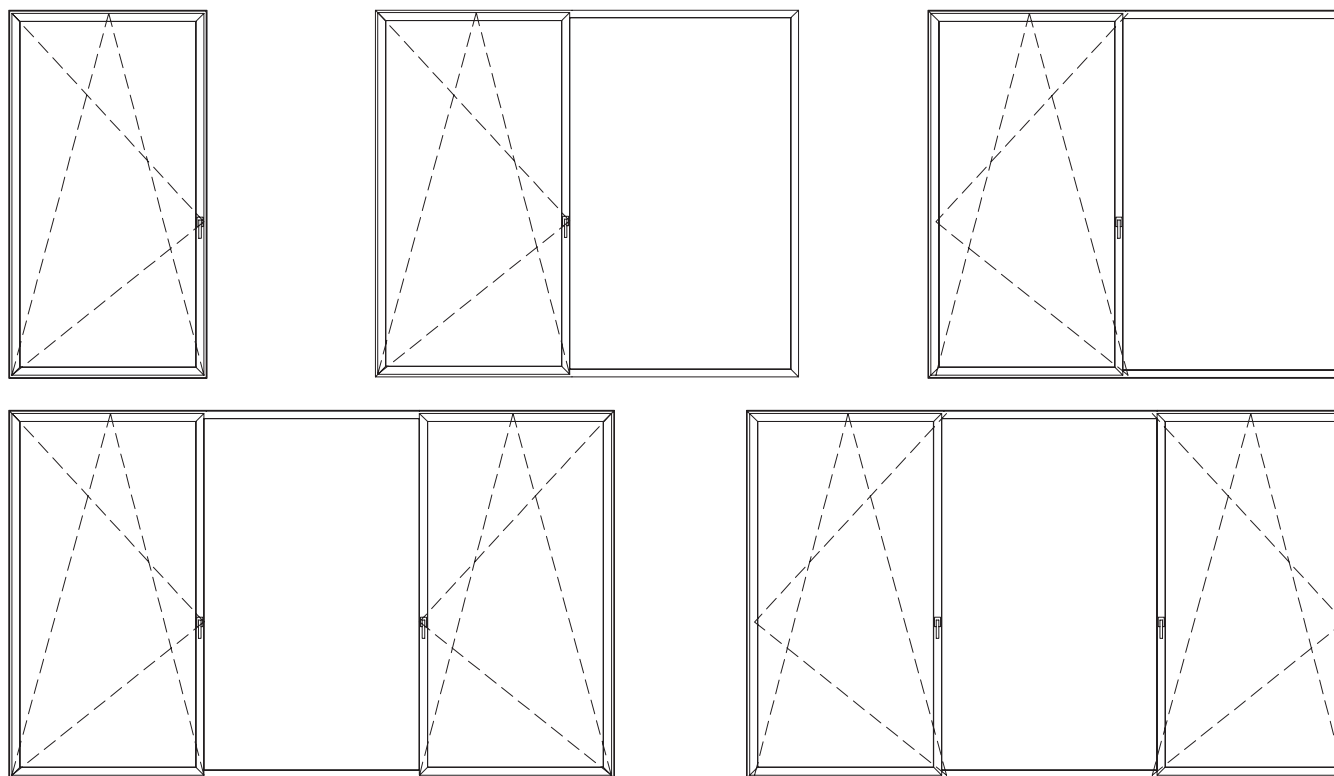
1 vent inward opening.
1 vent T&T and TBT with safety blocking key handle.
Modular multi-vent glass panels.

Maximum box for Glass

38mm

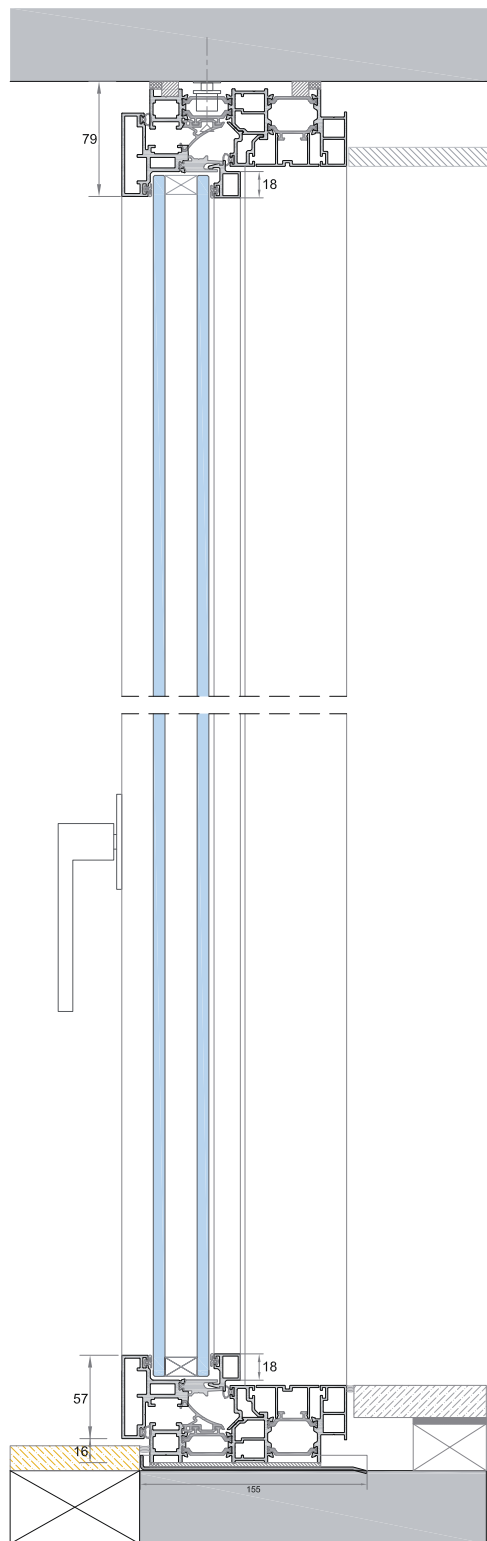
Indicative Opening Types

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

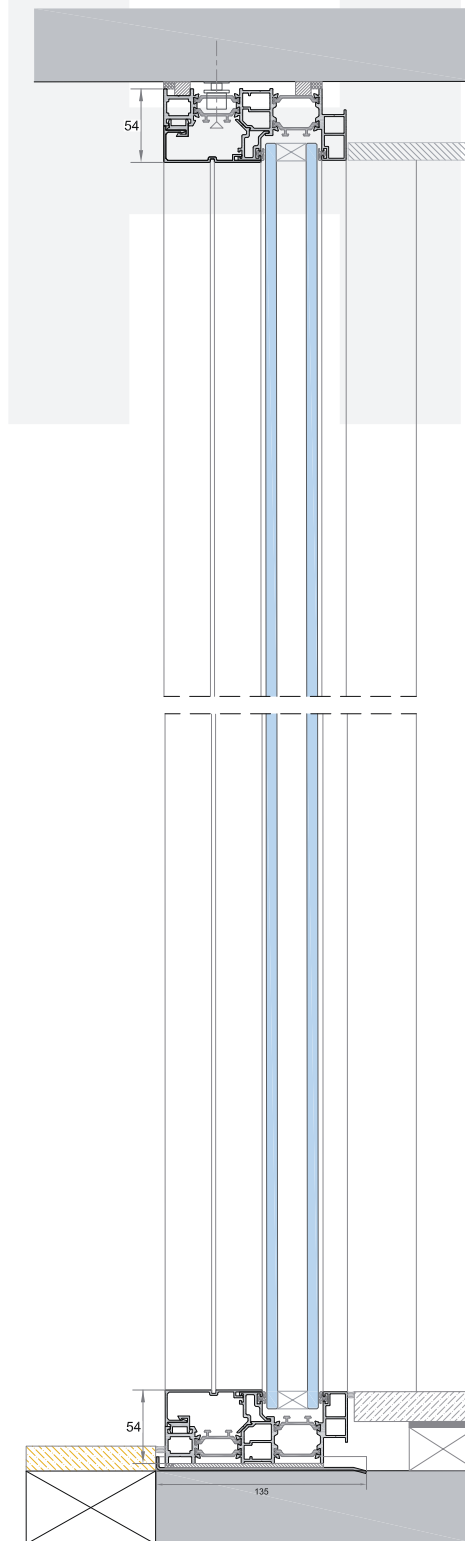


SURFACE TREATMENT

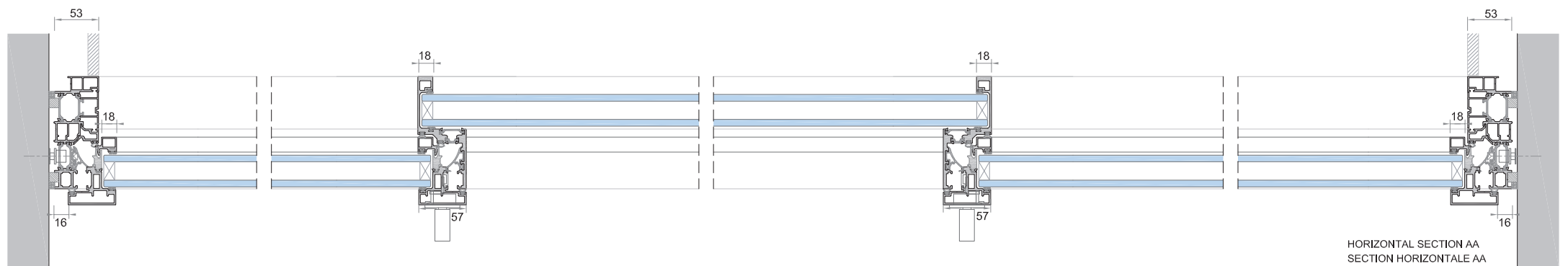
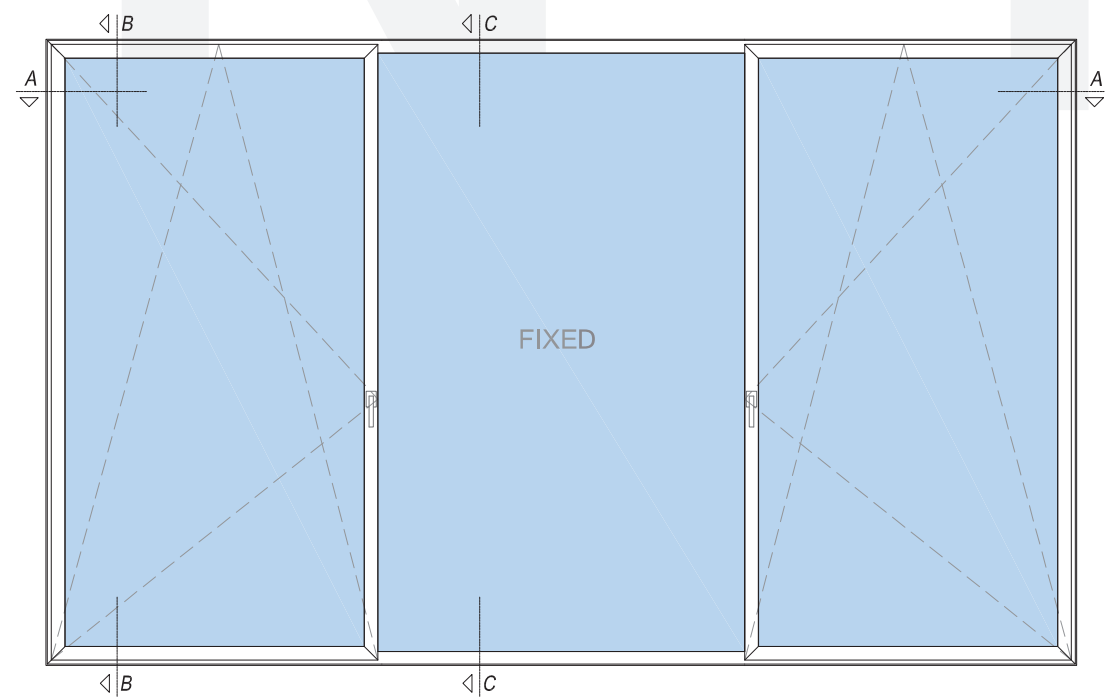
- HYLINE Colour Essentials (Ral Colores STD)
- HYLINE Natural Metals (Qualanod EURAS Class 2 STD)
- HYLINE Advanced Coating (Hiper Durable Finishings)
- HYLINE Luxury Collection under Qualicoat Seaside Standards



VERTICAL SECTION BB
SECTION VERTICALE BB



VERTICAL SECTION CC
SECTION VERTICALE CC

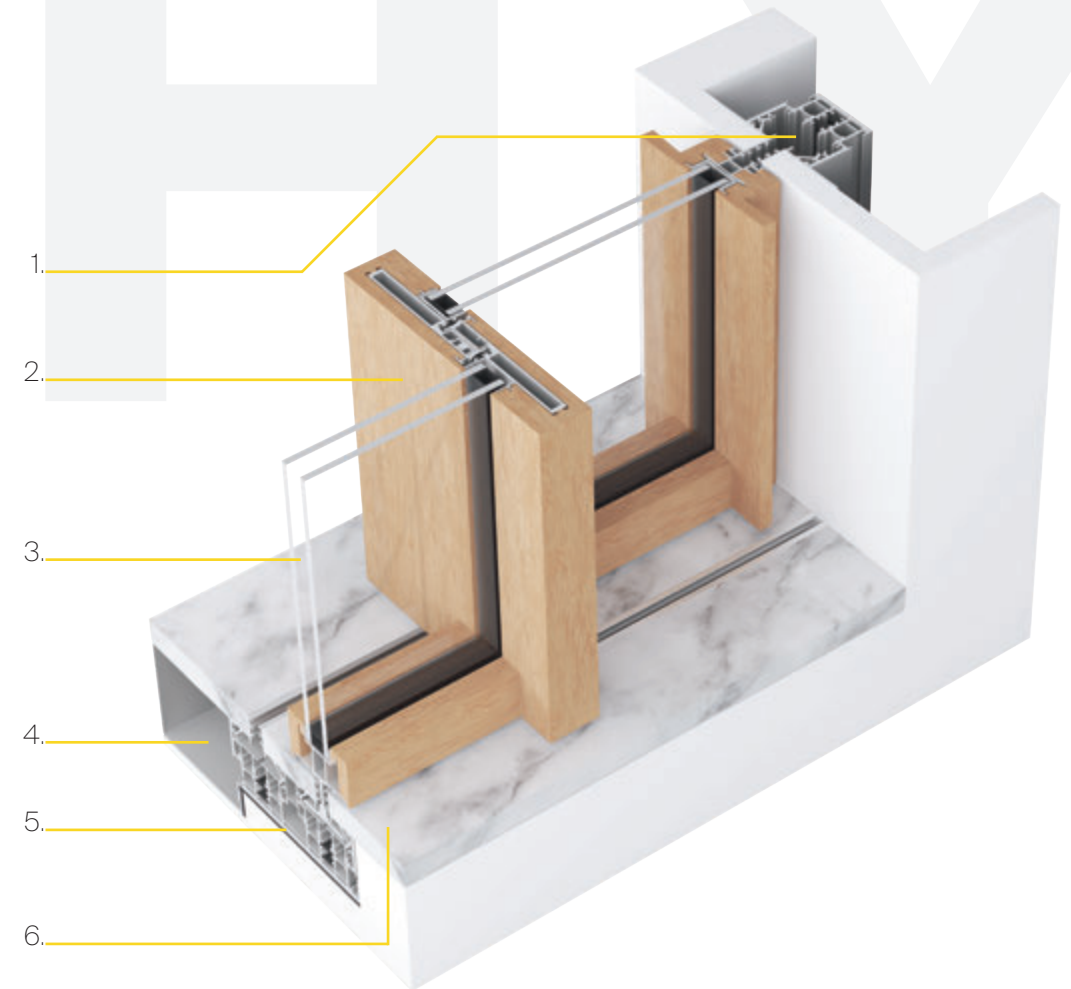


HYWOOD

THE SLIMMEST ALU-WOOD SLIDER

Our answer to fulfill the desire for slim lines, wide openings and the touch and feel of wood!
With a 48mm aluminium view for the frame and central mullion, this is the slimmest alu-wood solution in the market.

1. Main Frame
2. Central Mullion
3. Glass
4. Drainage System
5. Inox Gutter
6. Interior finish



COMING JANUARY 2021

MEASUREMENTS

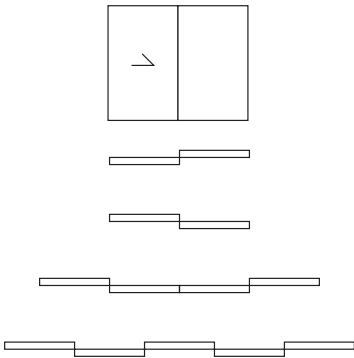
Maximum Width	3000mm
Maximum Height	3000mm
Glazing	
Maximum Area	9m ²

Maximum Weight	500Kg PER VENT
Opening Options	Customized Corner Motorized

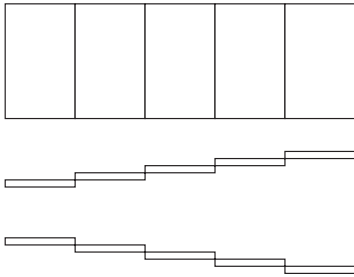
Maximum box for Glass	28mm 38mm 44mm
-----------------------	----------------------

Indicative Opening Types

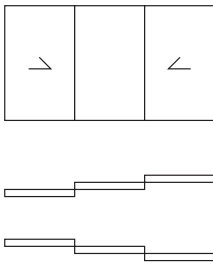
The presented product data is correct, except for typographical errors.



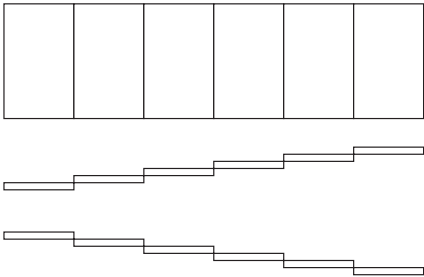
Bi-Rail



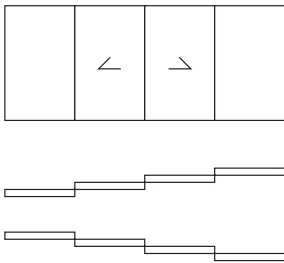
Penta-Rail



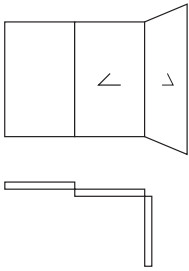
Tri-Rail



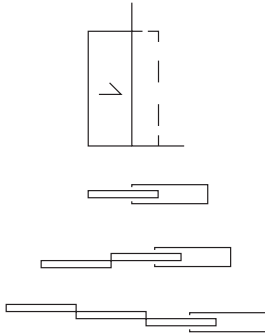
Hexa-Rail



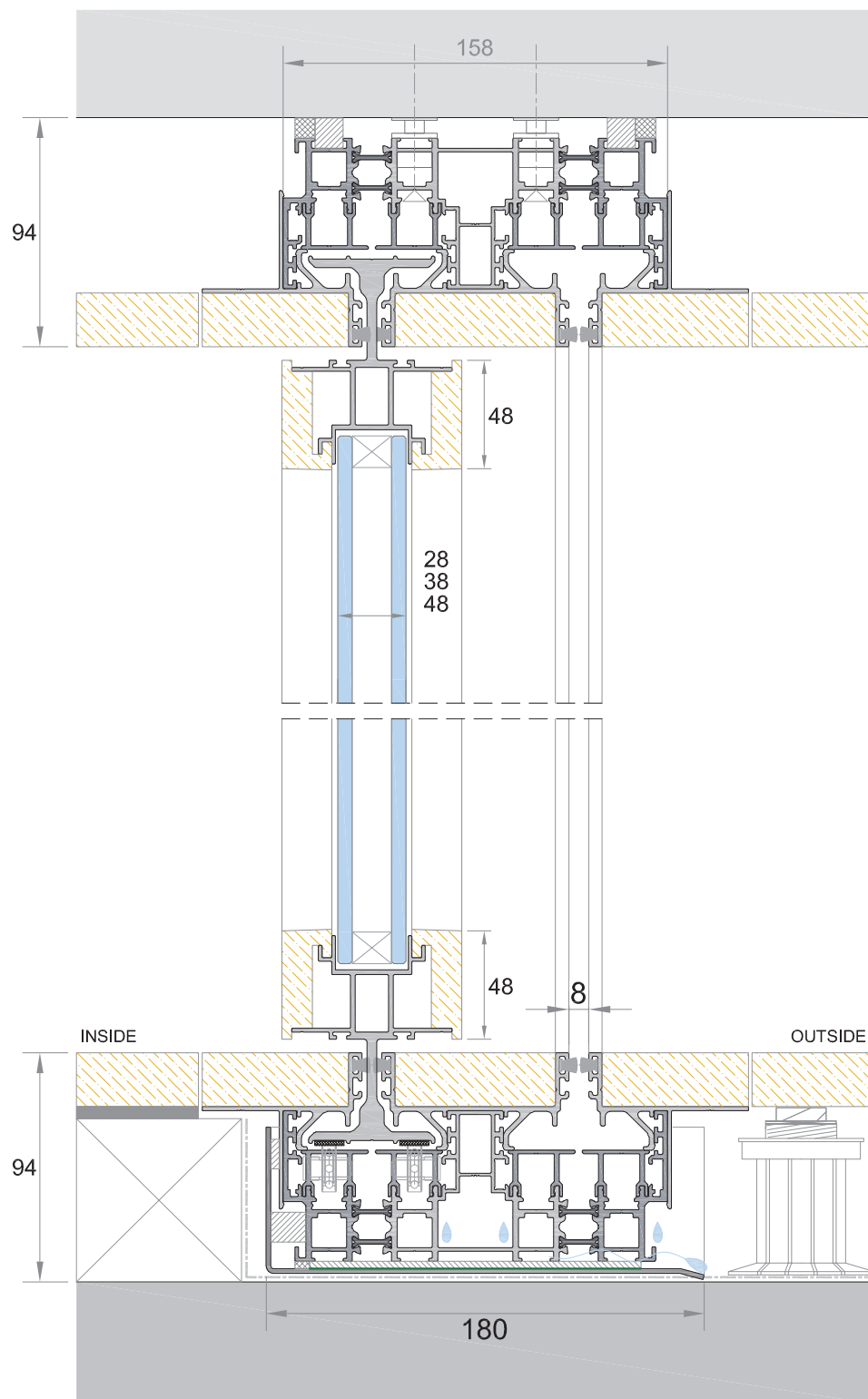
Quad-Rail



Corner

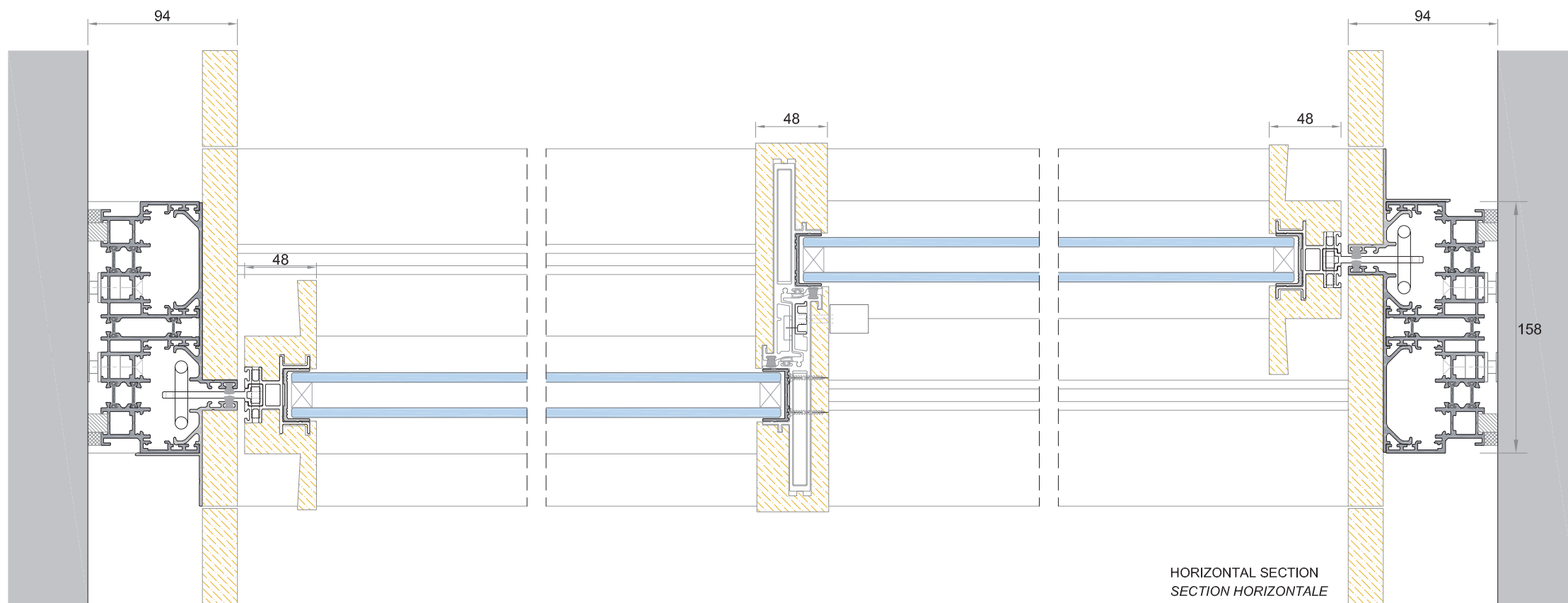


Pocket



VERTICAL SECTION
SECTION VERTICALE

WOOD



HYRON

- 1. Opening Frame
- 2. Fixed Frame
- 3. Glass
- 4. Exterior finish

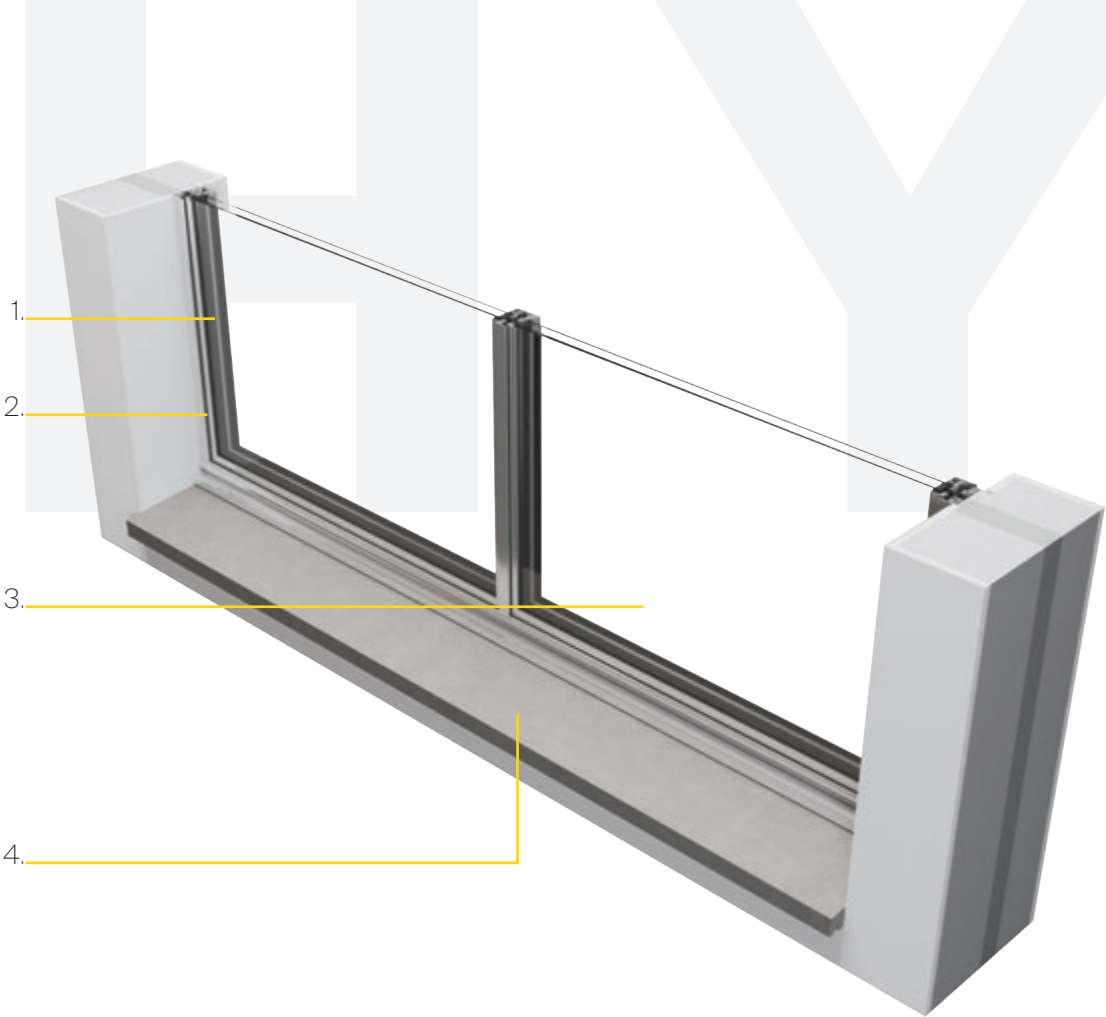
HYRON the ultimate dry glazing minimalist and multi-modular HYLINE casement system, provides an inward and outward opening windows and doors, with a 18mm frame view, fully compatible with HYLINE product range, integrating concealed hinges, concealed draining frame, with a design approach based on the slimmest steel frames appearance, with a comprehensive and complete range of opening possibilities.

Available in a wide range of anodized surface treatment under EURAS class 2 (gold finish, bronze finish, brushed and polished inox look, natural aluminium) and on RAL powder coating colour pattern and Hyline Advanced Coatings - Ultra-Durable Finishing's under Qualicoat Seaside Standard.

HYRON provides a complete and flexible solution to answer to project specification both on tropical climate regions (Latin America, Africa and India) and on cold climate regions (USA, Europe) providing solutions to install double and triple glass (Uw of lower than 1.4 W/m²K for a standard window section or 0.246Btu/hr-sf-°F).

Contemporary handle configurations, available on the two handles model collections HYLINE luxury collection and HYLINE classic line, that take us to the past with elegance. Despite the ultra slim approach of the product, HYRON was developed to achieve outstanding performance both on AEV performance, thermal insulation and acoustics isolation, on maximum execution dimension, up to 4m2 of operating sash.

HYRON is a new generation and a new image that will definitely surprise you.



MEASUREMENTS

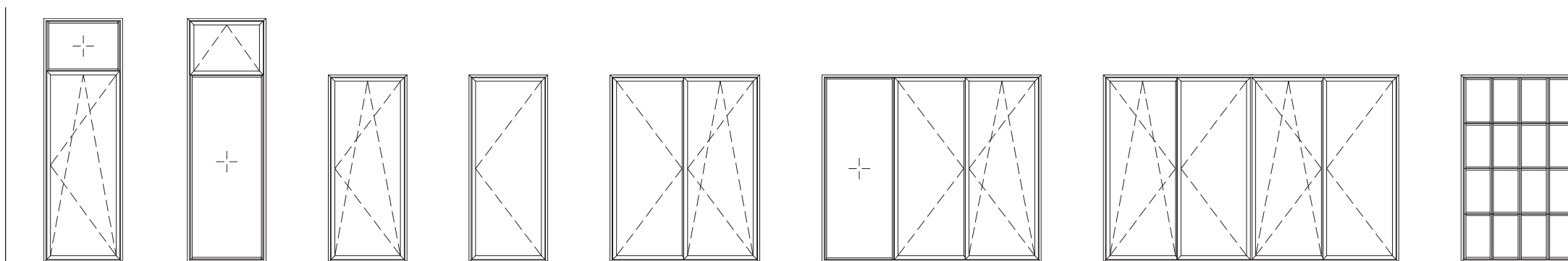
Maximum Width	1700mm
Maximum Height	2800mm
Glazing	Monolithic, Double & Triple glass

Maximum Weight	180Kg/ML
Opening Options	1 vent and 2 vents inward and outward opening, 1 vent and 2 vents T&T and TBT with safety blocking key handle, Modular multi-vent glass panels. 1 and 2 sash door, inward and outward opening with multi-point security lock.

Maximum box for Glass	28mm
	38mm
	48mm

Indicative Opening Types

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



OPENING TYPOLOGY

Oscillation logical manoeuvre TBT (Tilt Before Turn) and Traditional Tilt After Turn (TAT 1) and 2 sashes

French opening 1 sash and 2 sashes

Microventilation opening

Tilting opening

1 and 2- sash window frame with sill for access for people with reduced mobility

1 and 2-sash pedestrian door with multipoint lock.

1 and 2-sash opening door with lock

Design lines for switchgear accessories (all switchgear accessories including hinge are provided in the frame color):

HYLINE DESIGN handles.

Profile design lines:

Straight

Angle (45 degrees)

Steel Look (L angle profile)

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

TYPE OF INSTALLATION

In a tunnel (indoor and outdoor insulation (ETICS))

Installation in interior insulation by fixing claw and half-turn clameaux

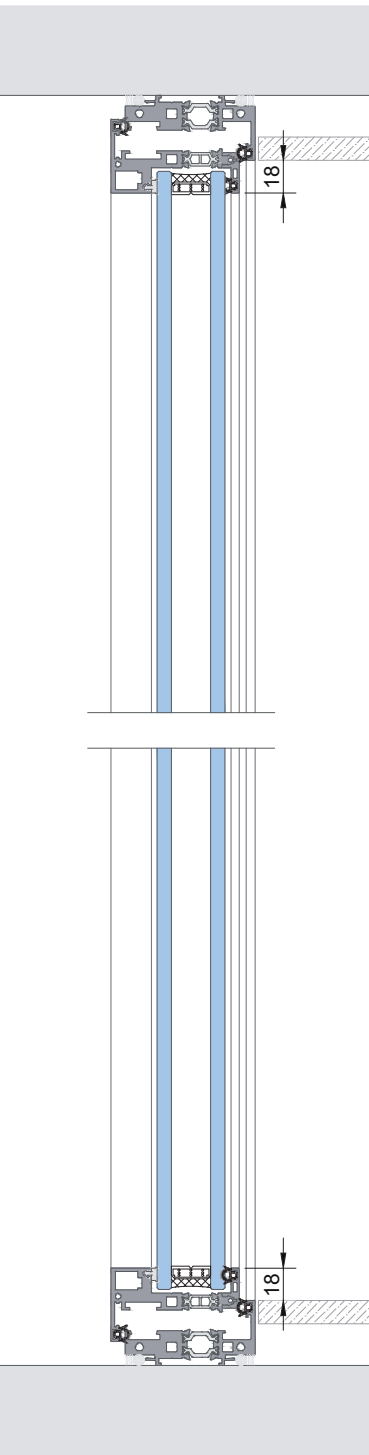
Installation in external insulation by fixing claw and half-turn clameaux

Installation in interior wall light with minimalist framing profile for plasterboard.

DRAIN TECHNOLOGY

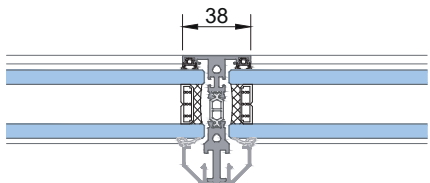
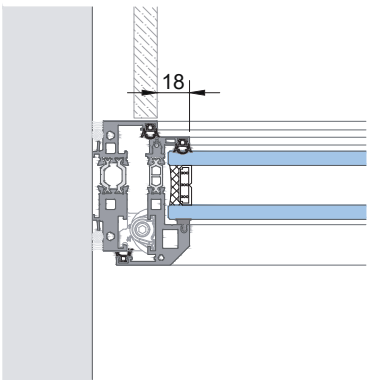
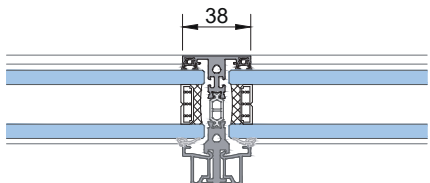
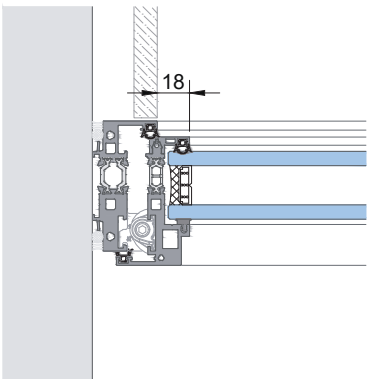
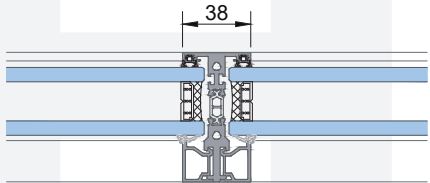
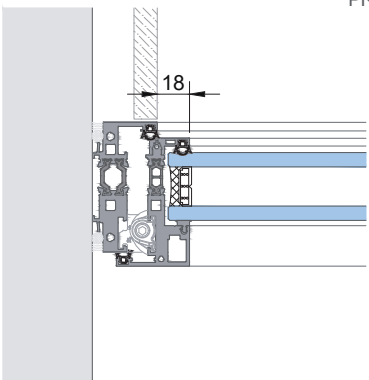
Hidden drainage (gutterless)

Drainage by metal deflector in the color of the frame bone



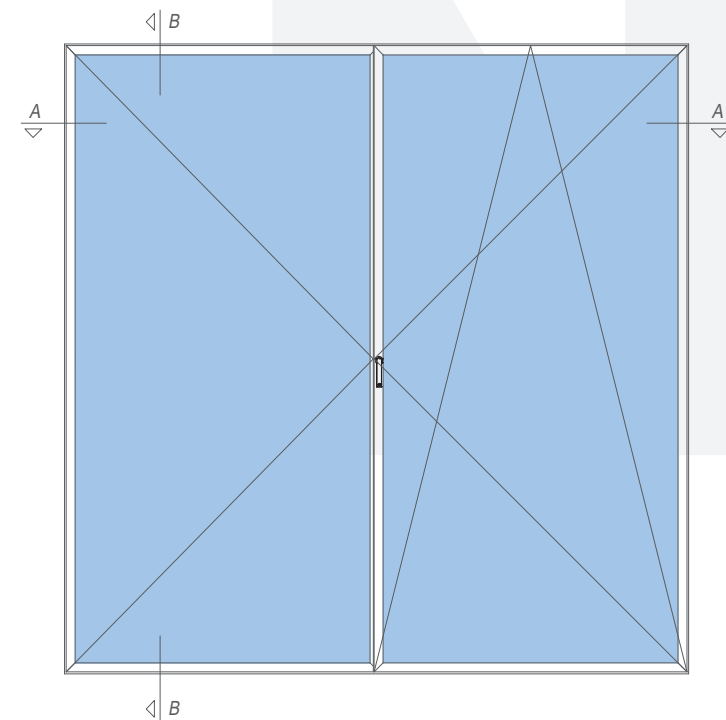
VERTICAL SECTION BB
COUPE VERTICALE BB

PROFILE DESIGN FEATURES:

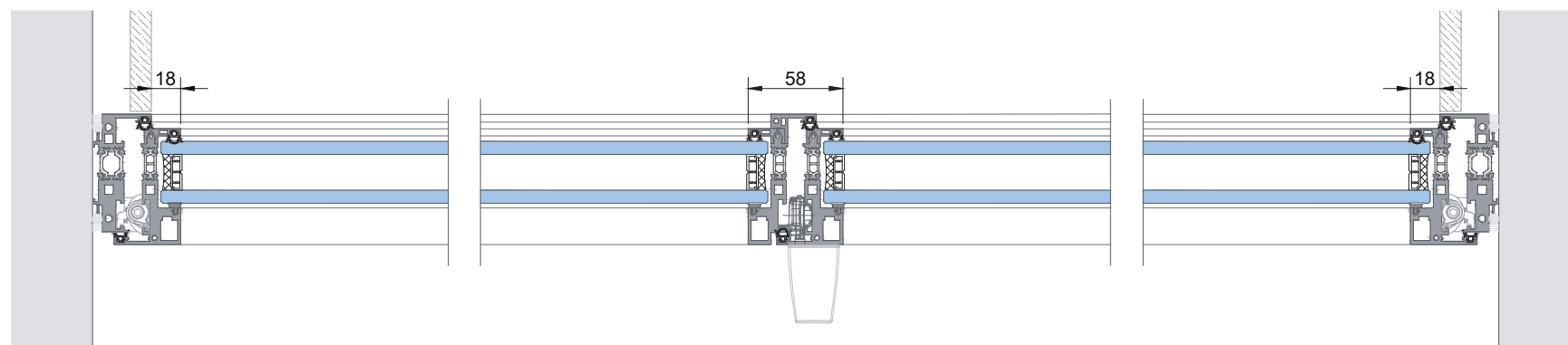
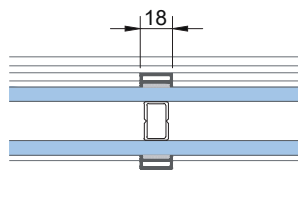


R

O



HYLINE INSULATED SIMULATED DIVIDED LITES (SDL) PROFILES



HORIZONTAL SECTION AA
COUPE HORIZONTALE AA





THE BRAND

BRAIN

CULTU

D

URE



BATIMAT 2019







SHOW

BRAZIL



PORTUGAL



INDIA



PARAGUAY

ROOM









PARTNER
SHIPS



Aluminium du Maroc



MJ Building Materials Trading



ETEM

HYLINE

IN THE WORLD



++ - HYLINE Showrooms

DETAILS MAKE PERFECTION

A disruptive approach.

Doing more and better with less material resources, reducing the environmental impact, in HYLINE operations and of the product materials composition, is one of the most demanding challenges for our product engineering. We reduced the carbon content of the product, during all the value-added chain and until the end user phase, by increasing the product life cycle and simultaneously by increasing the energetic efficiency of the product range. Also by integrating the criteria for optimizing the operational flow in the Kaizen operations management system, eliminating waste and redundancies, was ensured optimization and efficiency throughout all the operation stages.

Obviously, also in the selection of sources of supply of raw materials, the criteria of reducing the ecological footprint, namely through the local recycling of waste, and the choice of technologies with reduced environmental impact came to be a central issue for us. This transversal operational and technical corporate approach, which starts at the product design stage and is embodied in the definition of processes, should always guarantee, in optimal conditions of user comfort and in the most demanding environmental conditions, an excellent behaviour of the different ranges of HYLINE premium products. After all, it is about protecting the end user, guaranteeing high levels of comfort and reliability and safety in the most extreme environmental conditions, seeking to: reduce and control of the air leakage, ensure adequate levels of watertightness and mechanical resistance to the dynamic action of the wind, ensure a limit of burglar resistance namely by integrating access control and intrusion detection systems, increase energy efficiency levels, optimizing natural light input and simultaneously reducing energy loss through glazing (Uw thresholds to the value of 1.0 W m² K compatible with the requirements of SIA Minergie and PassiveHouse), ensure the optimal level of acoustic comfort Rw (c, ctr) 38 dB, in accordance with main acoustics restrictions defined namely by regulations across Europe and America.

Therefore, it is a matter of ensuring in essence the technical features capable to grant high mechanical resistance a reliability and energetic performance in optimal conditions of comfort and safety, all of this guaranteeing a perfect integration of the system in constructive technology, fusing the interior environment with the exterior surroundings, eliminating mobility obstacles and visual barriers. The different challenges that are posed to us daily, which are driven by the disruptive inventiveness that characterizes the original architectural creation, are the engine of HYLINE's development.

The architecture that inspires us defines a solid trend of fusion between the indoor and outdoor environment - HYLINE Invisible Frame - allow us for greater luminosity and modularity in a panoramic field of view without obstacles and restrictions. To answer to those requirements, we did develop and offer: HY30, HY40, HY50 and HYSlim multi-modular wet glazing systems with the slimest "18 mm perimeter" structural profile available worldwide; HYINV patented system ultra minimalist slider witch allow a complete disappearance of the aluminium structure; HYARC the curved glass multi-rail motorised slider ideal for those looking for the opposite of the linearity of the traditional architecture; HYGUI allowing modularity and constructive flexibility, multi-vent with motorized vertical movement compensator integrated both on the floor or on the beam; HYWOOD the slimest alu-wood solution on the market, wide openings and with the wood touch; HYPI the heavy-duty pivot door, with the slimest frame view available on the market, multi-vent wet glazing door without fixed intermediary mullion, allowing the maximization of the opening surfaces; HYWIN+ minimalist OB T&T and TBT safety blocking window with an exterior frame view of 18mm, fully compatible with HYLINE sliders offer, integrating the concealed draining technology; HYRON the ultimate dry glazing minimalist and multi-modular HYLINE casement system, provides an inward and outward opening windows and doors, with a 18mm frame view, fully compatible with HYLINE product range, integrating concealed hinges, concealed draining frame, with a design aproach based on the slimest steel frames appearance, with a comprehensible and complete range of opening possibilities. Nowadays, more than ever, the effective use of scarce resources motivates Hyline to guarantee the reliability and durability of construction solutions - also for this reason we introduced on the HYLINE surface treatment process the "Hyline Advanced Coatings - Ultra-Durable Finishing's ", improving the perpetuity and the protection on adverse extreme environmental of our products applications. We develop robust, reliable, easily usable and simplified maintenance systems.

All this in unconventional dimensions and with maximum opening range, transparency and luminosity, guaranteeing a fusion architecture between the interior and exterior space. The disruptive approach applied in the creation process encourages us to make maximum dimensions compatible, energy efficiency, mechanical resistance.

The comfort conditions are also a permanent challenge to HYLINE engineering, therefore ensuring an effort to move the frames, within the strict length of the applicable safety rules, even in the case of sashes with a mass greater than 2000kg. The integration of redundant systems of active security and the integration of access control and anti-intrusion systems and the ultimate concealed HYMOTOR technology, with anti-pinch protection, photoelectric proximity sensors (optional), and smooth final vent motion closing (standard), all this can be remotely controlled via the HYLINE APP installed on your smartphone (Apple or Android), making your space safer, more comfortable and more accessible. In view of the necessary characteristics of mechanical resistance, were performed several rupture tests, up to 6000 Pa (125psf), were is confirmed that HYLINE systems represent the state of the art with regard to both performance and mechanical resistance. Also the systems ensure durability, safety and general solidity of the solution, namely by introducing redundant error detection, preventive fault correction, into the functionality of the systems. We integrate in the HYLINE process the fundamental technical support of engineering in all phases of the project, from the preliminary architecture or engineering project assistance, through technical support to the different specialty projects (thermal, acoustic and air renewal control) and, lastly, since the phase of manufacture and quality control on factory, until the installation and after-sales technical assistance in each of the markets in which HYLINE operates. In fact, we are getting closer every day from you, in: Europe (Portugal, Spain, France, Switzerland, Benelux, Greece); Africa (Morocco, Algeria, South Africa, Angola, Mozambique); Midle East (UAE, Saudi Arabia); Asia (India, Maldives); Oceania (Australia and New Zealand); North America (US); Central America (Paraguay); the Caribbean (The Bahamas, Lesser Antilles); South America (Brazil, Paraguay). The architecture does inspire us, and it stimulates the inventive and engineering capacity of HYLINE product development, imposing new and increasingly demanding challenges every day that, at the end, allow us, taking as a reference the normative conventions, a leading technologic position on our industry in a global scale. This is the HYLINE genetic essence.

An unconventional and disruptive approach to a problematic issue to create the solution and simultaneously the constant monitoring of architectural the building and construction trends and needs. We work for the complete satisfaction of the expectations, the most demanding, of our customers and interlocutors. We focus on doing today better than yesterday.

© 2020 by HYLINE

All rights reserved. The content of this catalogue is protected by copyright and other rights. Unauthorized use or unauthorized reproduction of the content that violating these terms and conditions may cause the violation of trademark, copyright or other reserved rights, as well as provisions of civil and criminal. It is forbidden to use any content without permission.

ETEM

Exclusive Representative
for Southeastern Europe

www.etem.com