EN

2026

MAIOR EVO

THE EVOLUTION OF THE ALUMINIUM AND GLASS BALUSTRADE



Faraone® RAILINGS

THE NO. 1 GLASS BALUSTRADES IN ITALY

faraone.it

Of course!
it's a Faraone
balustrade

Look!
But is it safe?

ABOUT US

Faraone was founded in 1969 by Sabatino Faraone, currently Chairman, and is now led by CEO Flavio Faraone.

One of the first companies in Italy to embrace the innovative technology of point-fixed glass, Faraone has grown year after year, promptly identifying the trends and needs of contemporary architecture in order to focus its range of **design** products in the best possible way.
After more than 50 years, the company continues to drive innovation in the world of Transparent Architectures in Italy and abroad with its glass balustrades, canopies, facades, doors and partitions.

Thanks to its ability to identify and meet market needs, Faraone has become a reference point for contemporary glass projects. In the glass balustrade sector in particular, it has installed over 1,550,000 metres *(963.3 miles)* since 2009.

In 2011, Faraone advanced architecture with the first cantilevered glass canopy, validated by rigorous safety tests. This innovation represented a major step forward in the design and safety of glass structures.

The **company's** research and innovation continue through recurring training courses for **staff**, **partners** and **designers** throughout Italy, with the aim of contributing to synergistic growth for the benefit of the end customer and the entire sector.



Faraone Headquarters, Tortoreto (TE)

+50
EMPLOYEES

+1,500
CUSTOMERS IN THE ITALIAN MARKET

+5,500m²
FACILITY

Certifications:

ISO 9001:2015
CERTIFICATO
IT25/00001628

Member of:

UNICMI
UNCSAAL . ACAI

“After two years of design and development, it is with great pleasure that I present Maior Evo, the evolution of the Maior balustrade.

Why create a new model when the previous one is still highly appreciated and successfully sold? The answer is simple: because we never settle.

Our goal is to keep raising performance, optimise operation and simplify installation. The path to the final version of Maior Evo was demanding and took longer than our usual standards.

We wanted a product complete in every detail, with in-depth work and research on materials and design. Thanks to the collaboration between our Research & Development department and the manufacturers of the various components, we found the best balance between lightness and performance, essential for this type of product.

An aluminium and glass balustrade is not just a post fixed to the floor: it is a fundamental protective barrier because it prevents falls from height. And precisely because it is made of aluminium, it requires even more in-depth study to ensure maximum reliability in compliance with regulations.

The experience gained in developing Ninfa all-glass balustrades allowed us to adopt the same approach and the same design methods, and apply them to Maior Evo as well. The result is a product that may look aesthetically similar to the previous version, but which stands apart significantly in terms of performance, because the research behind it is not always visible from the outside.

But Maior Evo is not only about safety and efficiency. It is a completely new project that keeps only the name of its predecessor. We wanted a complete and entirely new range of accessories, details designed to make installation as easy and smooth as possible, new adjustment options, simple linear shapes and much more.

With Maior Evo we have raised the bar once again.
I now invite you to discover it on the following pages.”



Flavio Faraone
Faraone CEO

HOW MAIOR EVO CAME TO BE

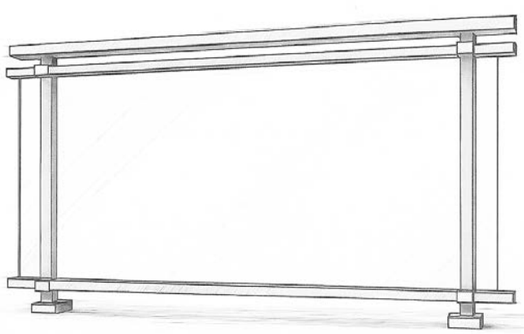
Maior EVO, as the name itself suggests, was developed with the design goal of creating a balustrade with a strong evolutionary character, while retaining the successful choices that defined the previous MAIOR version. The study was carried out in a methodical and detailed way, examining every small detail that could make this collection the perfect combination of mechanical performance, aesthetic refinement and simplified functionality.

The team focused immediately on the structural characteristics.

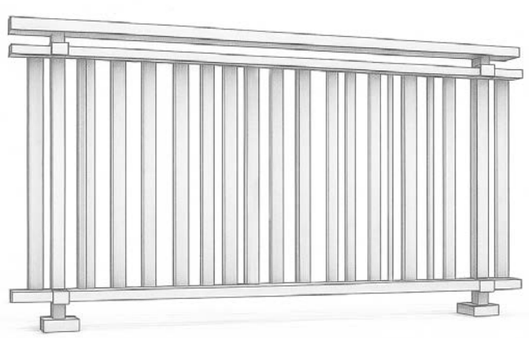
The studies aimed both to identify geometries optimised for mechanical stresses and to carry out careful research into increasingly high-performance materials. Close collaboration with our suppliers allowed us to find the perfect formula by creating a dedicated project.
Even the smallest screw and the most common bolt are the result of choices based on countless laboratory tests. Every single component was subjected to numerous test cycles in order to deliver a product that performs in every detail.

Improvements over the previous collection

- Minimalist design
- Detailed design of each component
- High performance
- Balustrades with glass panels or vertical aluminium pickets



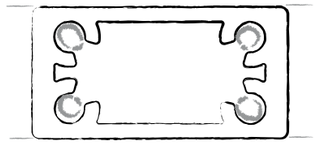
Maior EVO with glass



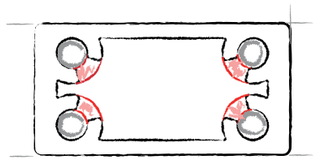
Maior EVO with aluminium pickets

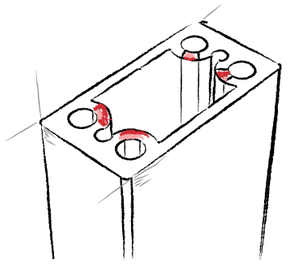
DESIGN OF THE POST GEOMETRIES

OPEN SECTION NEAR THE FIXING



CLOSED SECTION TO MAXIMISE MECHANICAL STRENGTH





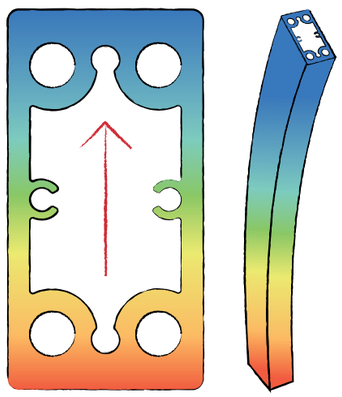
1. The R&D team rationalised the shape and selected a 68 mm *(2.67")* x 35 mm *(1.37")* rectangle in order to maximise the strength of the long sides.

This made it possible to obtain a fully reversible post with a wide surface on the short side, making it easier to position the various accessories.

The circular sections for the threads were designed and manufactured completely closed, rather than with the usual open section.

This design choice increased the cost of producing the die, but the essential objective was to find solutions with zero compromises in terms of performance.

FINITE ELEMENT CALCULATIONS



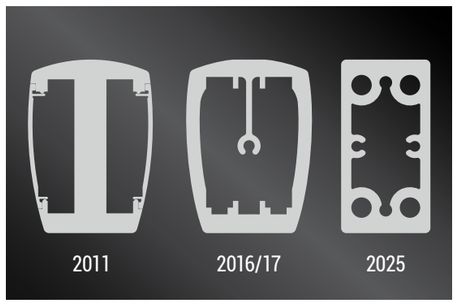
2. The results of the **finite element calculations** confirmed balustrade resistance in category C2 (200 kg/m *(134 lb/ft)* serviceability limit state - 300 kg/m *(202 lb/ft)* ultimate limit state) with a post centre distance of 1200 mm *(47.24")*, in versions A, B and C.

For **laboratory testing**, we aimed to achieve category C2 with an 1800 mm *(70.86")* span; however, thanks to profile optimisation, we reached 2000 mm *(78.74")*.
This is a real and substantial step forward in terms of performance. Encouraged by the results, we then raised the bar and tested the post in category C3 (300 kg/m *(202 lb/ft)* serviceability limit state - 450 kg/m *(302 lb/ft)* ultimate limit state) with a 1500 mm *(59.05")* post span, thus subjecting the single post to a total load of 675 kg *(1,488 lb)*.

THE NEW FEATURES OF MAIOR EVO BALUSTRADES

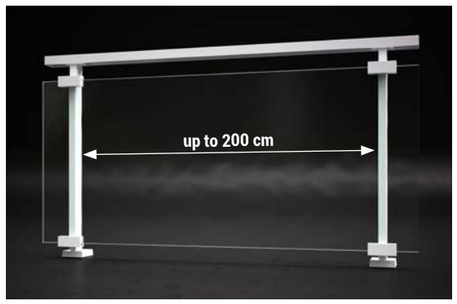
1 CONTEMPORARY ELEGANCE

Minimal and rational design, for a contemporary look that suits any environment.



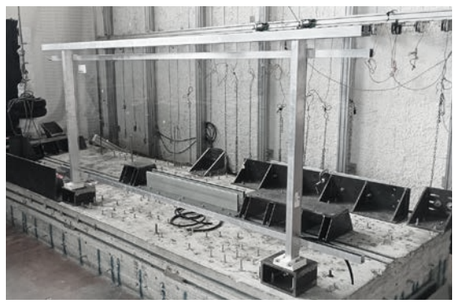
2 SAFETY AND TRANSPARENCY

The post spacing and the transparency of the glass provide protection and safety without compromising the view.



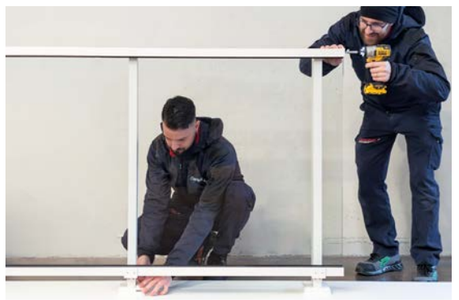
3 CERTIFIED QUALITY TESTING

The balustrade has passed rigorous safety and performance tests, ensuring reliability and long-term durability for use in categories C2 and C3 according to UNI 11678:2017.



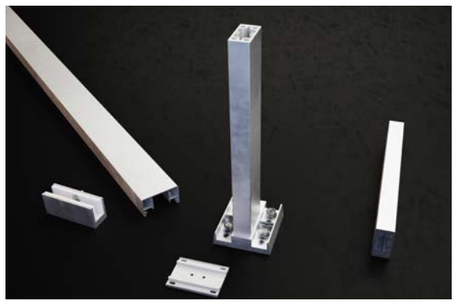
4 SIMPLIFIED INSTALLATION

The installation system makes fitting quick and straightforward, resolving the common issues found in the previous collection and ensuring a perfect fit and stability from the very first installation.



5 INNOVATIVE ACCESSORIES

New aluminium elements and details optimise the design while providing greater stability and functionality. A perfect balance between aesthetics and performance.



6 NOT JUST GLASS. ALL-ALUMINIUM BALUSTRADES

New Maior Evo models with vertical aluminium pickets.
- 4 customisation types (20 mm, 40 mm, 80 mm, mixed) *(0.79", 1.57", 3.15", mixed)*
- Same performance as glass versions



PROPERTIES OF ALUMINIUM

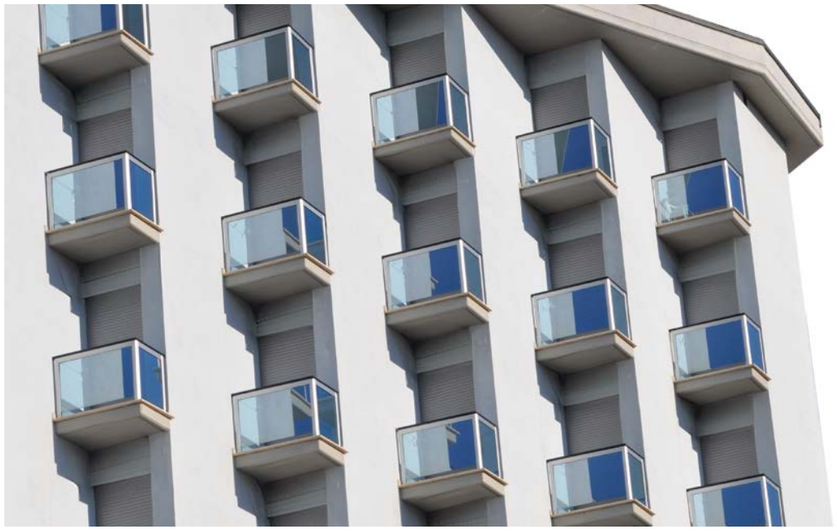
A material that lasts

Why all aluminium?

Aluminium has proven to be an almost indestructible material, capable of maintaining its performance even after many years.

Maintenance required is minimal, limited to simple periodic cleaning without the need for complex maintenance work.

Due to its characteristics, it offers excellent value for money and is fully recyclable, making it a sustainable and cost-effective choice.



1960s building – aluminium balustrades in perfect condition, even near the sea



Example of a 1980s building -
Iron balustrades with rusted parts

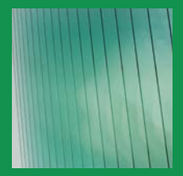


Example of a 1980s building -
Concrete balustrades with deteriorated parts

WE ARE GREEN

Faraone chooses sustainable and recyclable raw materials for the products and their packaging.

The management of its own special waste is accomplished according to the Italian legislation.



GLASS. Glass is the sustainable material par excellence.
Glass can be reused an unlimited number of times while retaining its properties intact. At production level, re-melting waste material also means less energy and raw material expenditure.
It is also an energy-efficient material in terms of its applications in architecture and design.



ALUMINIUM. Aluminium is now one of the most widely used materials in the building sector, both because it lends itself to countless uses and because of its environmental qualities thanks to new carbon-free production methods.
Today, it is one of the best choices when it comes to sustainability as it is a 100% recyclable material, which again allows for significant reduction in energy consumption during production while maintaining its high performance.

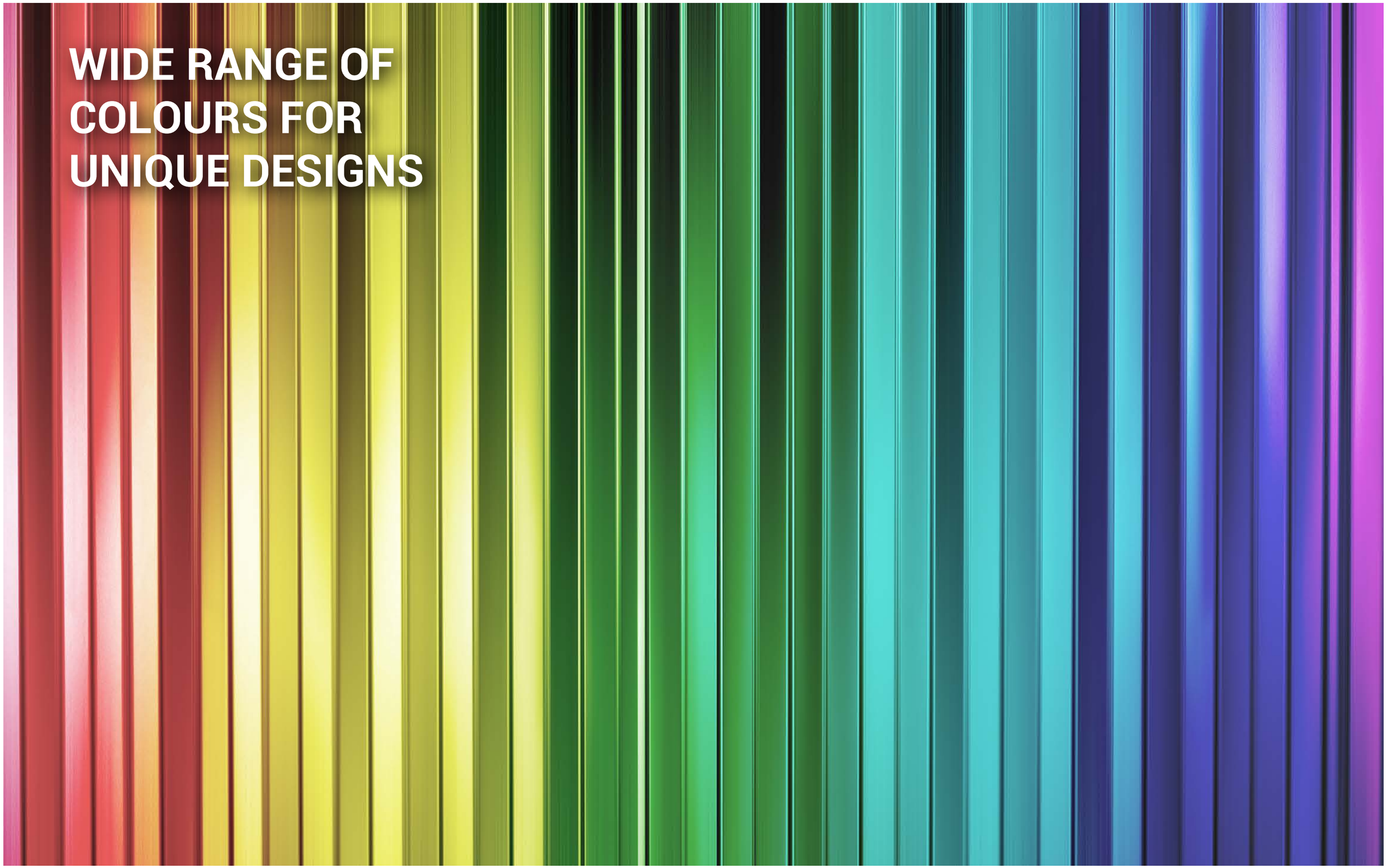


STEEL. Steel is considered the most recycled material in the world, and Italy holds the European record with about 80%.
High strength and durability make it an essential material in the construction industry as well as beneficial to the environment and the circular economy.



PACKAGING. All our packaging is made from recyclable materials, starting with the cardboard used to make the product packaging and ending with the plastic used for the pallets.

WIDE RANGE OF COLOURS FOR UNIQUE DESIGNS



CUSTOMISATION FOR A UNIQUE DESIGN

In addition to the basic finishes, you can customise the profile colours by choosing from more than 2000 RAL colours on request.

PROFILE FINISHES: RAL COLOURS

WHITE
RAL 9010 MATT

SILVER
COATED

PROFILE FINISHES: ON REQUEST

2000 RAL COLOURS

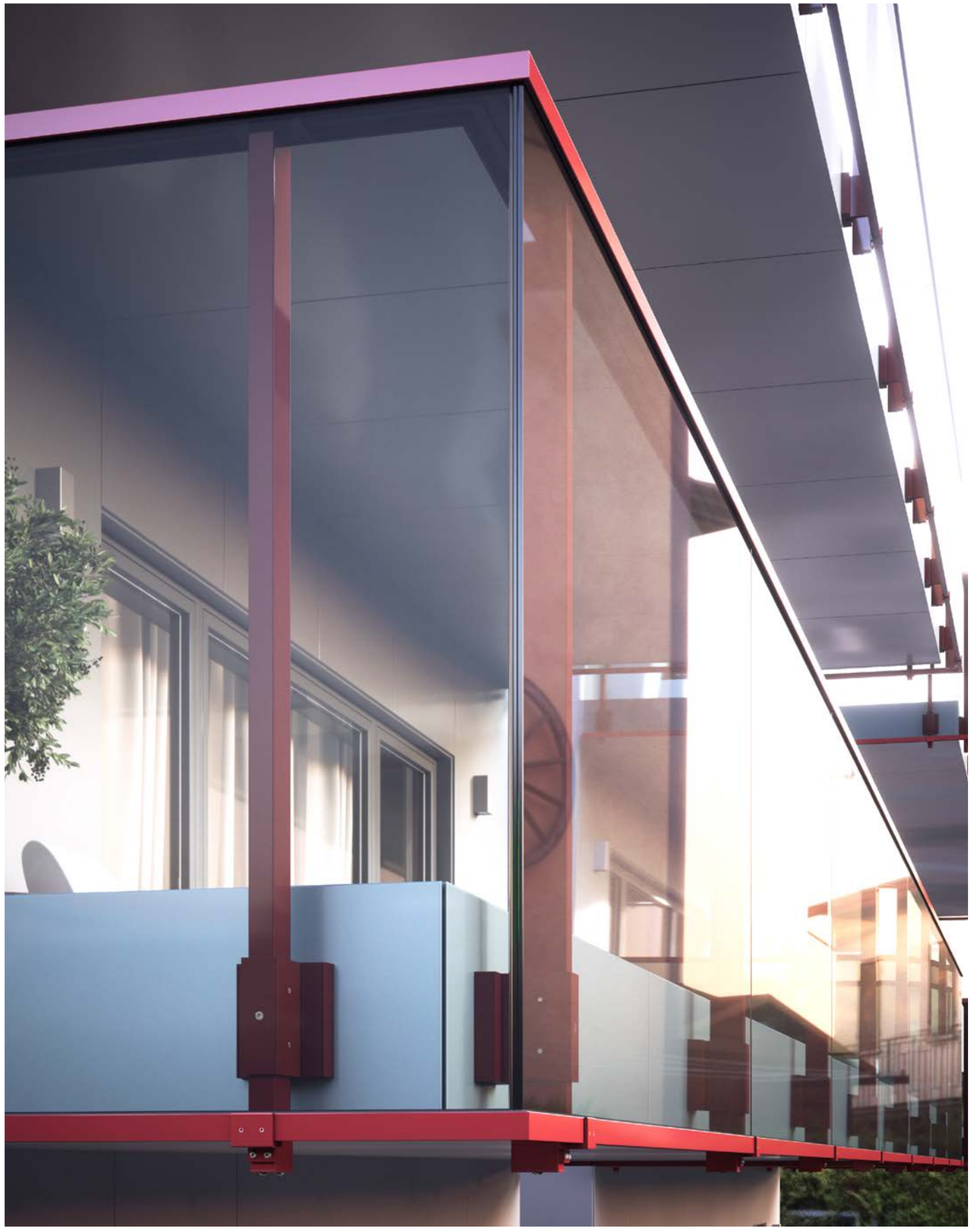
NOT JUST TRANSPARENT GLASS:

By customising the glass, blackout and shading effects can also be achieved thanks to screen printing, digital printing, and a wide choice of coloured glass (from milk white to smoked, etc.).

There are many creative ways to achieve decorative and design effects.



Illustrative reproduction of available finishes

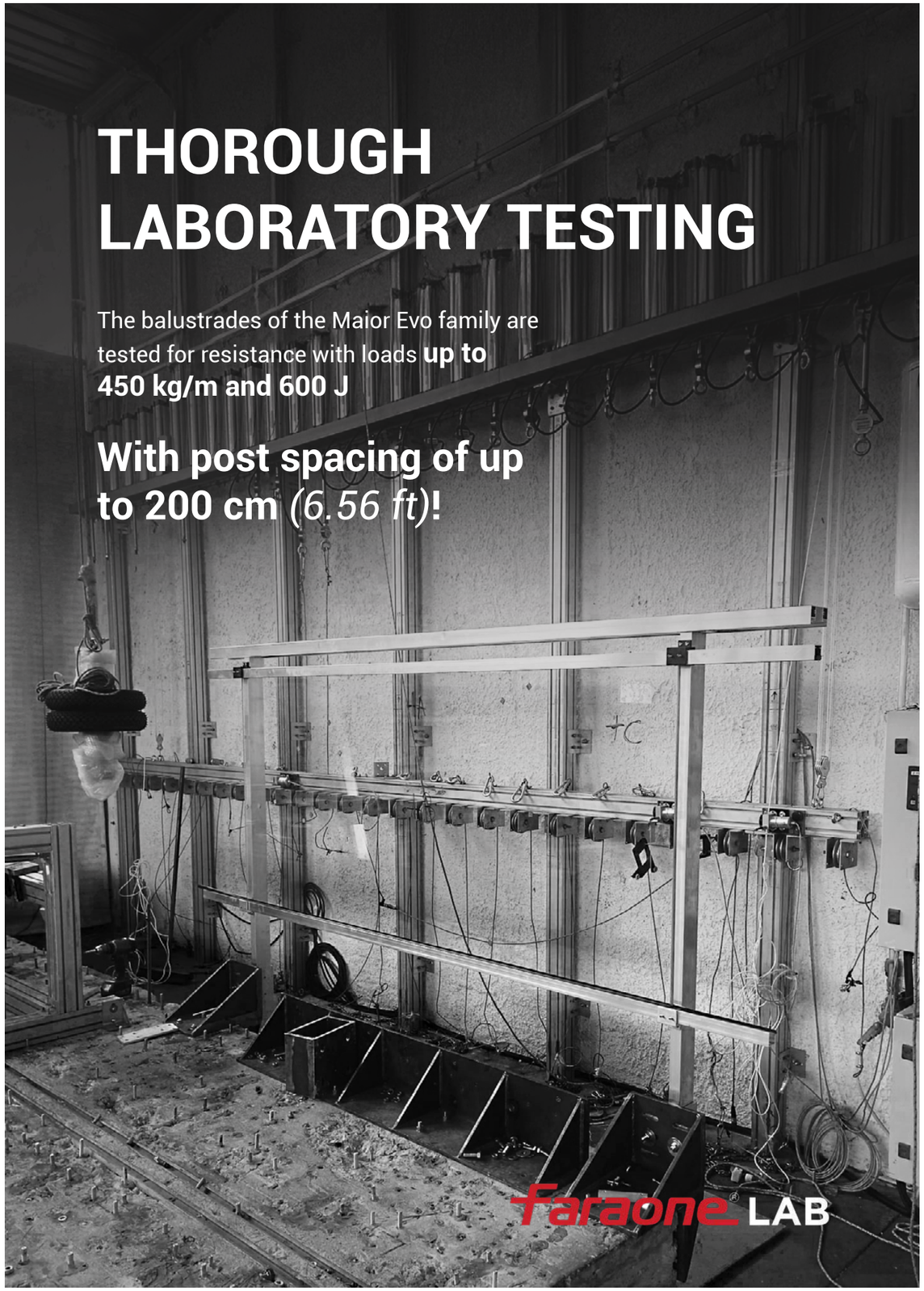


Maior Evo One balustrade with red finish

THOROUGH LABORATORY TESTING

The balustrades of the Maior Evo family are tested for resistance with loads **up to 450 kg/m and 600 J**

With post spacing of up to 200 cm *(6.56 ft)*!



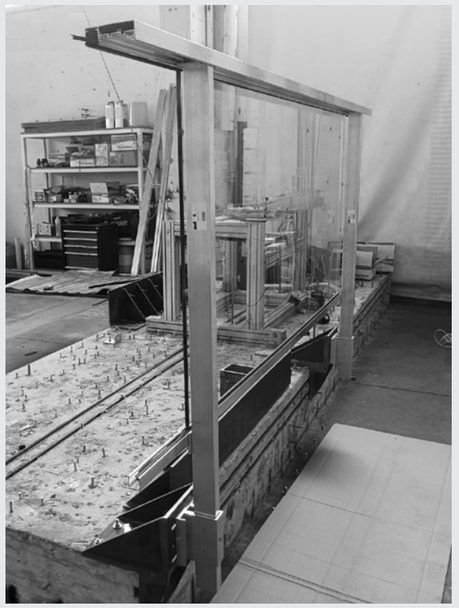
PERFORMANCE VALUES

Maior EVO Glass laboratory testing

- Laminated tempered glass with **standard EVA/PVB interlayer**.

CATEGORY	MAIOR EVO MODEL	INDICATED GLASS (mm)	CENTRE DISTANCE
C2 (200 kg/m *134 lb/ft*)	ONE	6+6 *(1/4"+1/4")* (EVA) FLOAT	2000 mm *(78.74")*
	PLUS	6+6 *(1/4"+1/4")* (EVA) FLOAT	
	VISION	8+8 *(5/16"+5/16")* (EVA) FLOAT	
C3 (300 kg/m *202 lb/ft*)	ONE	6+6 *(1/4"+1/4")* (EVA) TEMP.	1500 mm *(59.05")*
	PLUS	6+6 *(1/4"+1/4")* (EVA) TEMP.	
	VISION	8+8 *(5/16"+5/16")* (EVA) TEMP.	





MAIOR

EVO GLASS

ALUMINIUM AND GLASS SAFETY BALUSTRADES

Timeless safety
for balconies,
terraces,
stairways

THE NEW MAIOR EVO BALUSTRADES

MAIOR EVO ONE

Maior Evo One model, with aluminium profiles and glass installed under the handrail. Full-height glass for maximum transparency.



MAIOR EVO PLUS (With rectangular handrail)

Maior Evo Plus model, with continuous glass support profiles and a rectangular or round aluminium handrail. The space between the glass and the handrail emphasises the linearity of the design.



MAIOR EVO PLUS (With round handrail)

Maior Evo Plus model, with glass spaced from the handrail.

Variant with round handrail



MAIOR EVO VISION (With rectangular handrail)

Maior Evo Vision model where glass is the main visual element, fixed only at the four corners by aluminium fittings. Aluminium gives way to the transparency of glass, while maintaining its structural strength.



MAIOR EVO VISION (With round handrail)

Maior Evo Vision model with frameless glass for greater transparency.

Variant with round handrail



MAIOR EVO VISION FOR STAIRWAYS AND SLOPING FLOORS (With round handrail)

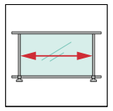
Maior Evo Vision model for stairways and sloping floors. Can be installed on any slope.

(Customised design required to assess the best technical solution and the right height of the posts).

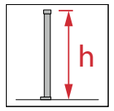


MAIOR EVO GLASS ONE

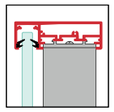
With full-height glass



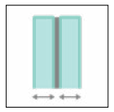
Post spacing:
Post span 2000 mm *(78.74")*
for 200 kg/m *(134 lb/ft)*
Post span 1500 mm *(59.05")*
or 300 kg/m *(202 lb/ft)*



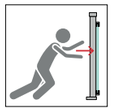
Post height:
Height from finished floor level
1100 mm *(43.31")*



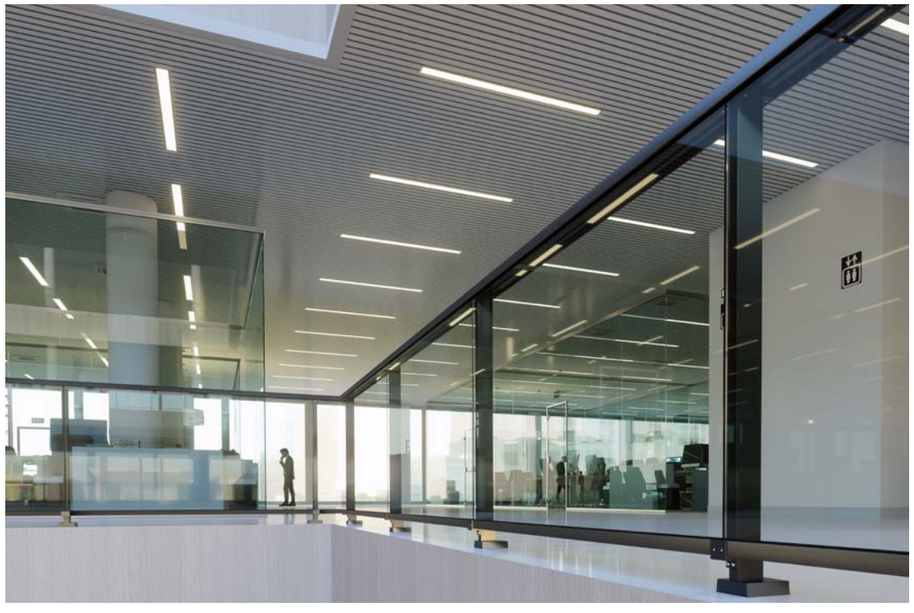
Rectangular handrail:
with integrated glass holder



Glass thickness:
Glass 6+6 *(1/4"+1/4")* Float
for 200 kg/m *(134 lb/ft)*
Glass 6+6 *(1/4"+1/4")* Temp.
for 300 kg/m *(202 lb/ft)*



Resistance to horizontal static linear load:
Tested up to 300 kg/m *(202 lb/ft)*
Tested up to 450 kg/m *(302 lb/ft)*

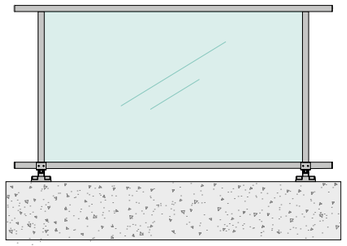


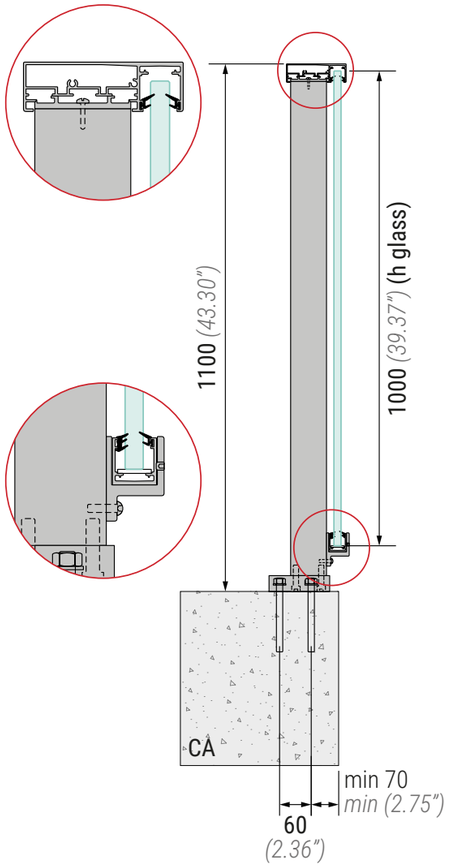


MAIOR EVO ONE

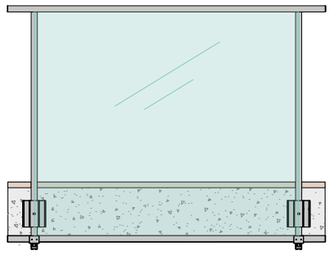
With full-height glass and rectangular-section handrail

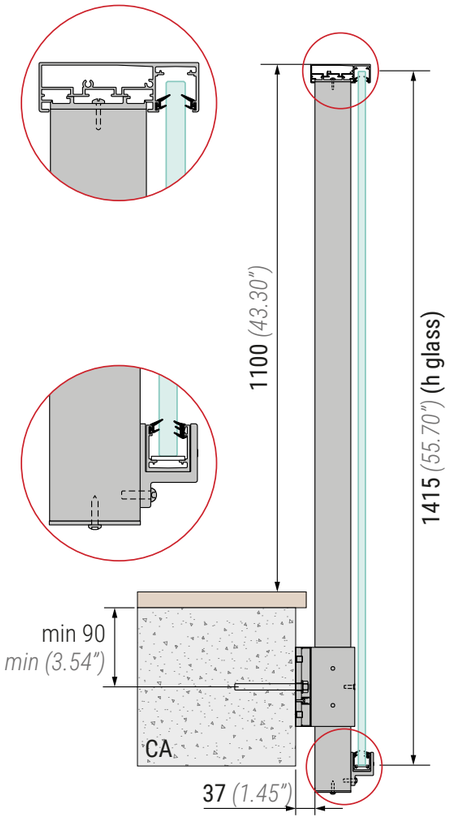
A



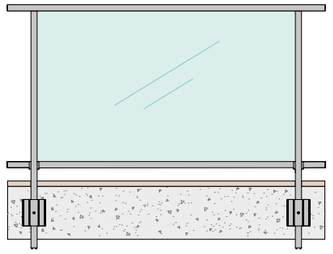


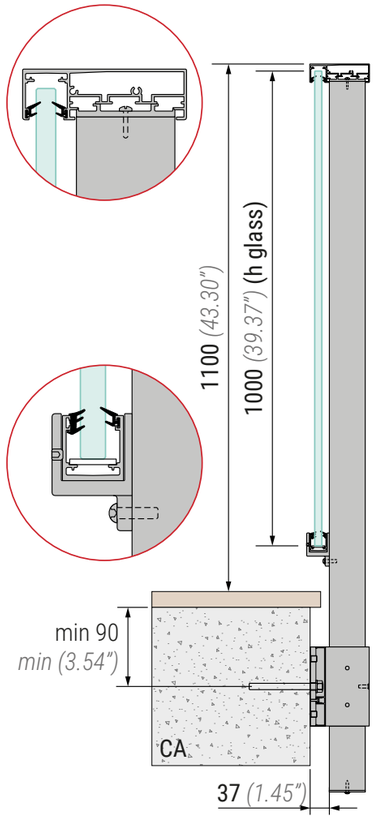
B





C





PROFILE DETAILS AND HANDRAIL:



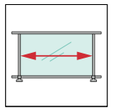




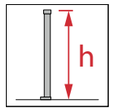


MAIOR EVO GLASS PLUS

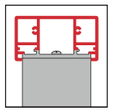
With glass spaced from the handrail



Post spacing:
Post span 2000 mm *(78.74")*
for 200 kg/m *(134 lb/ft)*
Post span 1500 mm *(59.05")*
for 300 kg/m *(202 lb/ft)*



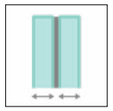
Post height:
Height from finished floor level
1100 mm *(43.31")*



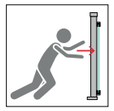
Rectangular handrail



Round handrail



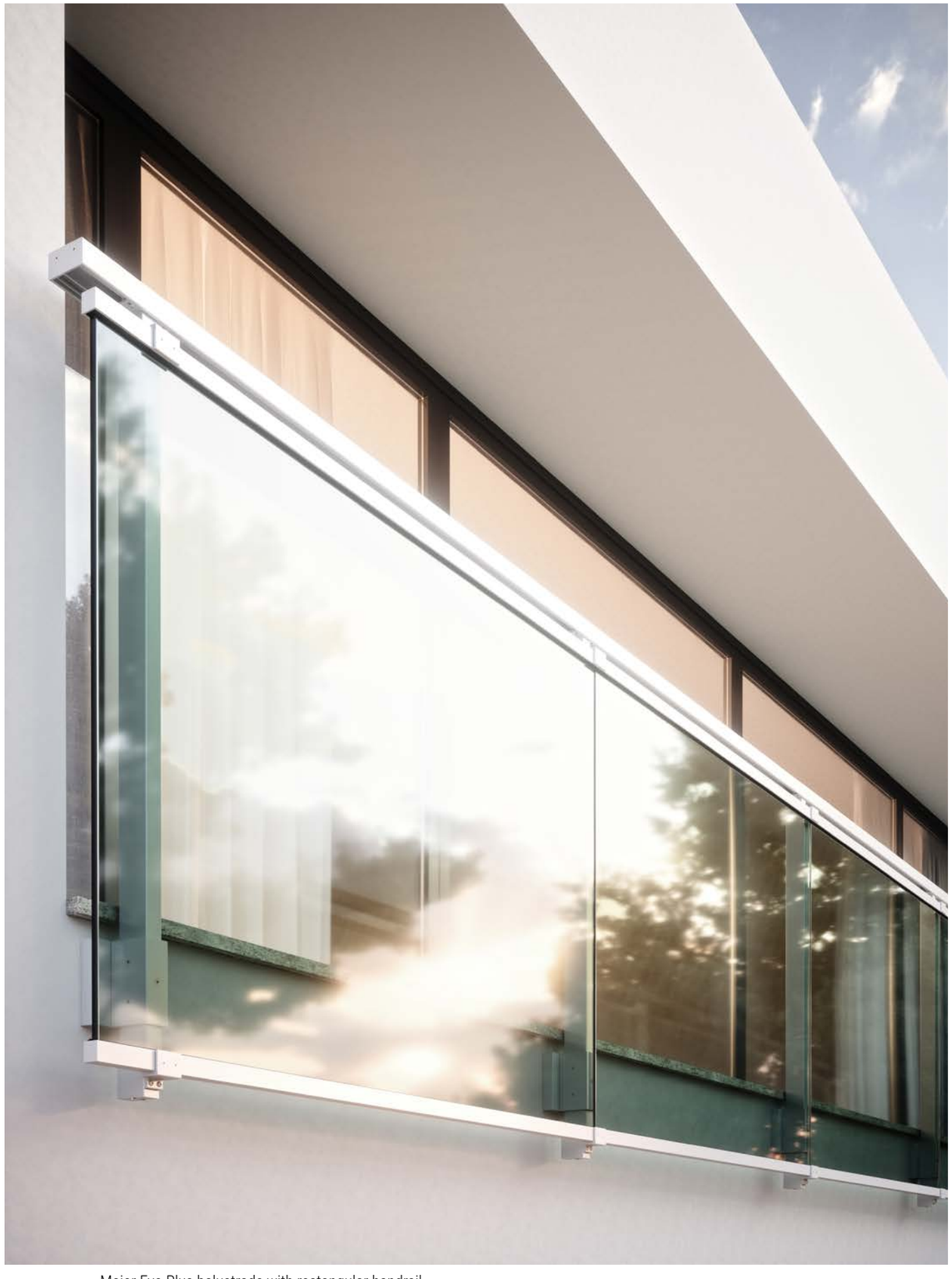
Glass thickness:
Glass 6+6 *(1/4"+1/4")* Float
for 200 kg/m *(134 lb/ft)*
Glass 6+6 *(1/4"+1/4")* Temp.
for 300 kg/m *(202 lb/ft)*



Resistance to horizontal static linear load:
Tested up to 300 kg/m *(202 lb/ft)*
Tested up to 450 kg/m *(302 lb/ft)*



Maior Evo Plus balustrade with round handrail

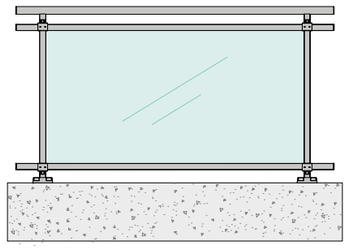


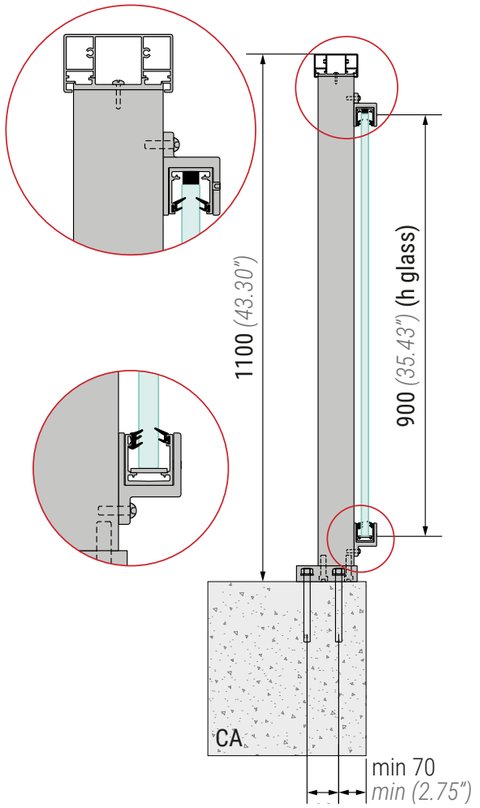
Maior Evo Plus balustrade with rectangular handrail

MAIOR EVO PLUS

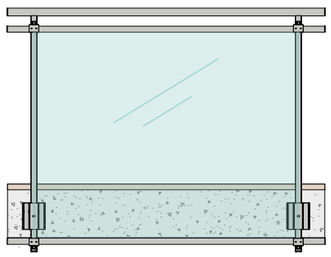
With glass spaced from the handrail and rectangular-section handrail

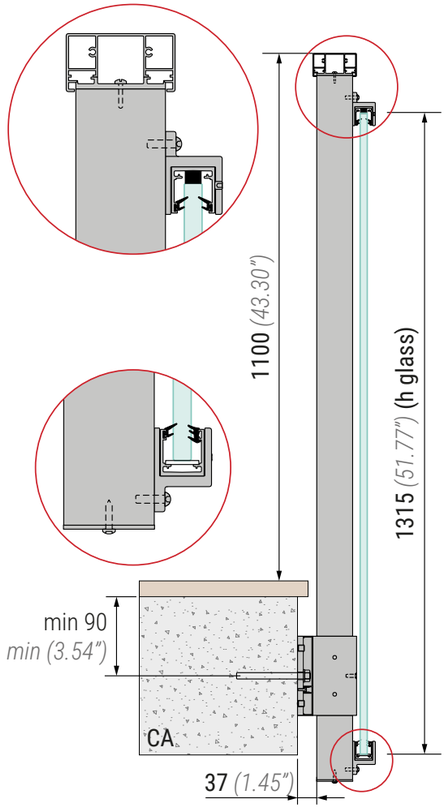
A



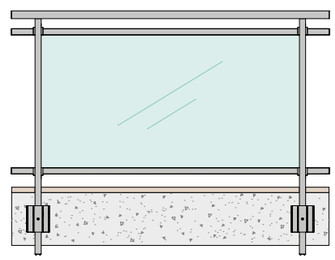


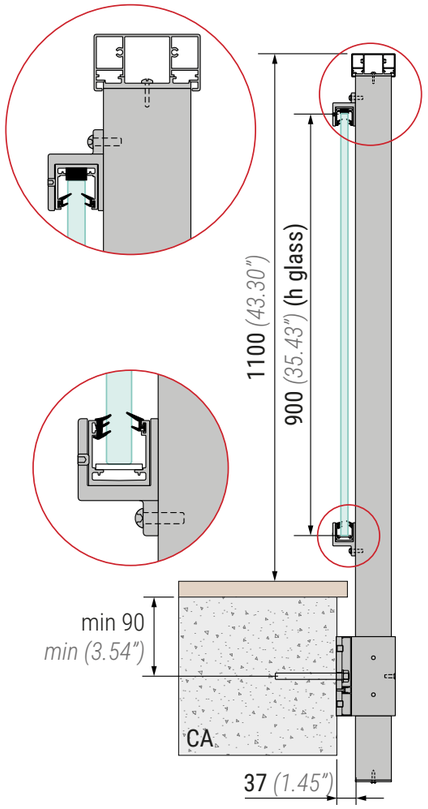
B





C





PROFILE DETAILS AND HANDRAIL:





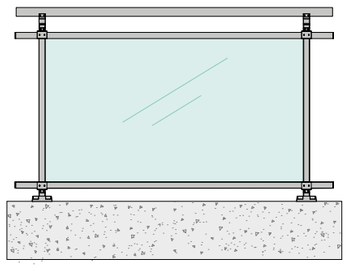


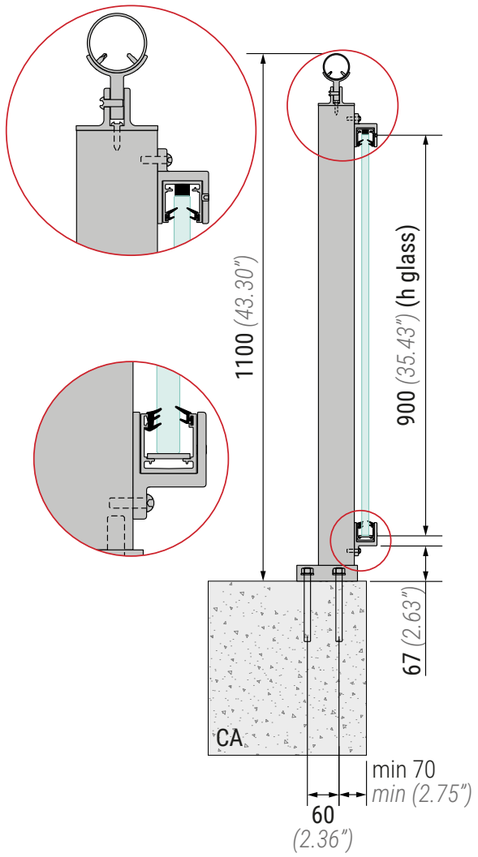


MAIOR EVO PLUS

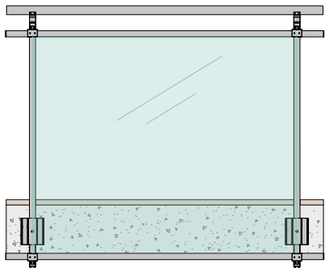
With glass spaced from the handrail and round-section handrail

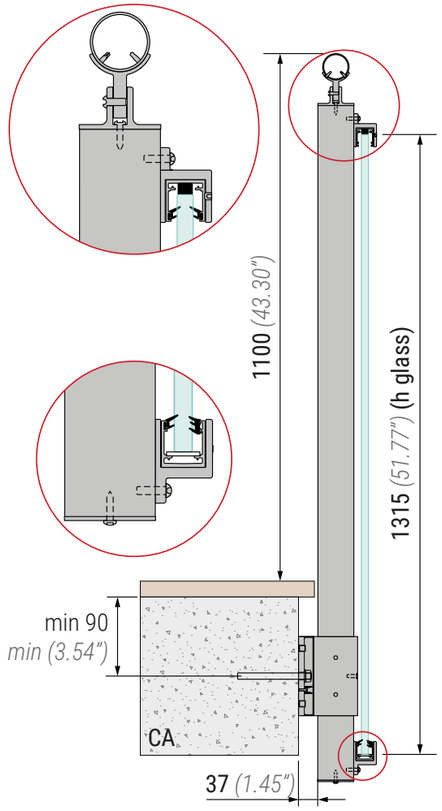
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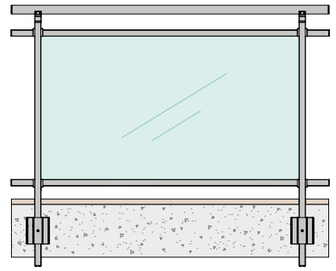


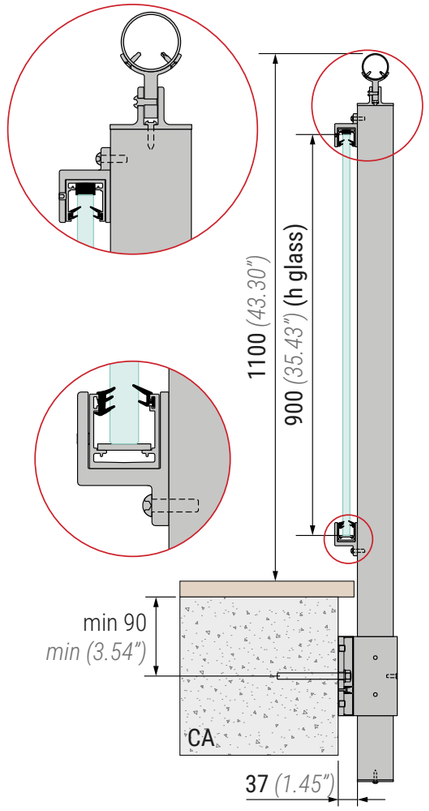
B5





C5



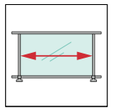




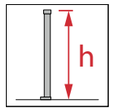


MAIOR EVO GLASS VISION

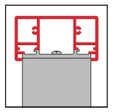
With glass supported by handles



Post spacing:
Post span 2000 mm *(78.74")*
for 200 kg/m *(134 lb/ft)*
Post span 1500 mm *(59.05")*
for 300 kg/m *(202 lb/ft)*



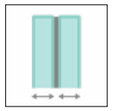
Post height:
Height from finished floor
level 1100 mm *(43.31")*



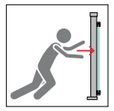
Rectangular handrail



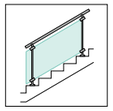
Round handrail



Glass thickness:
Glass 8+8 *(5/16"+5/16")* Float
for 200 kg/m *(134 lb/ft)*
Glass 8+8 *(5/16"+5/16")* Temp.
for 300 kg/m *(202 lb/ft)*



Resistance to horizontal static linear load:
Tested up to 300 kg/m *(202 lb/ft)*
Tested up to 450 kg/m *(302 lb/ft)*



Solution for stairways and inclined planes:
Can be installed on slopes
(e.g. stairways, ramps, etc.)



Maior Evo Vision balustrade with rectangular handrail

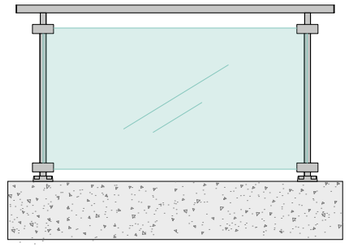


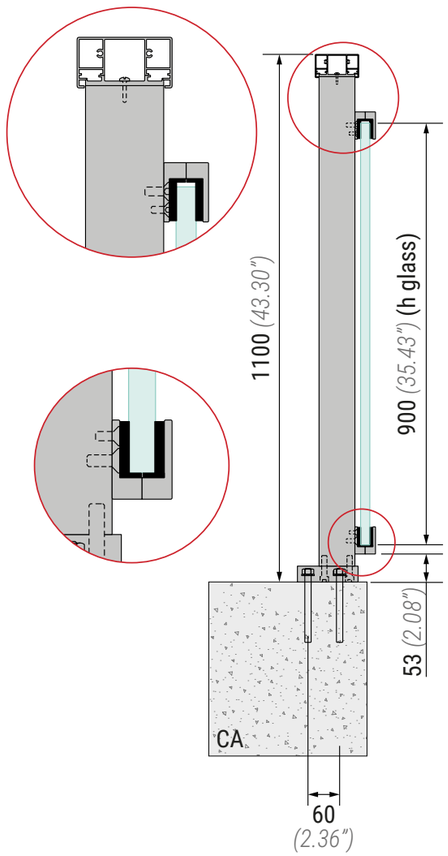
Maior Evo Vision balustrade with round handrail

MAIOR EVO VISION

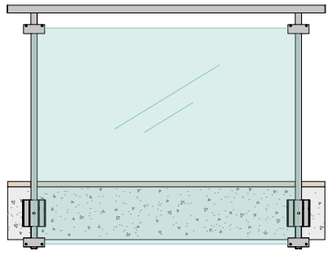
With glass supported by handles and rectangular handrail

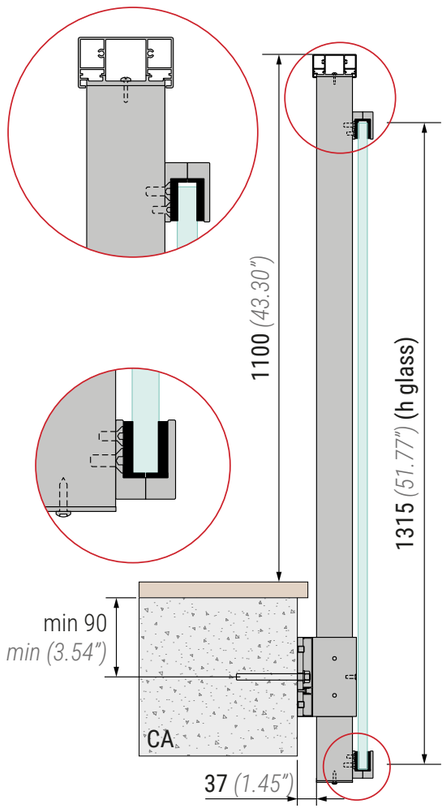
A



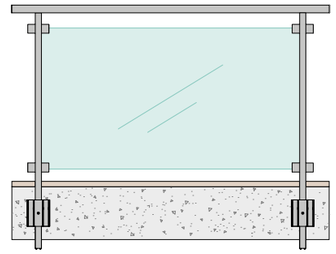


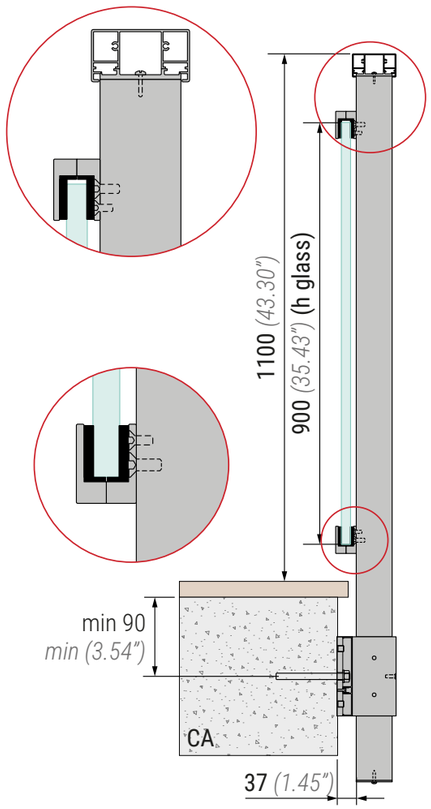
B





C





PROFILE DETAILS AND HANDRAIL:





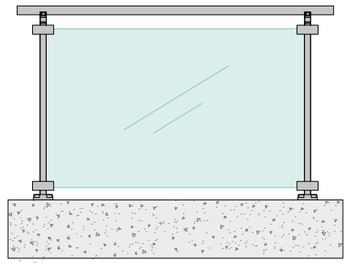


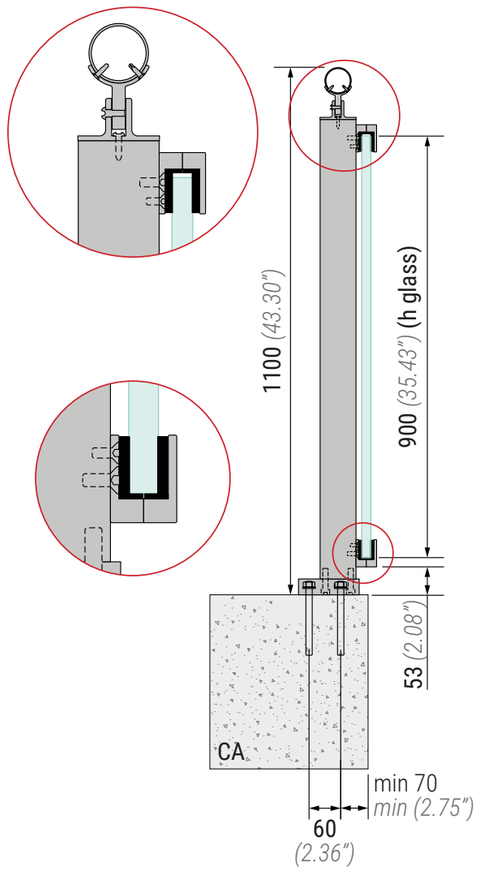


MAIOR EVO VISION

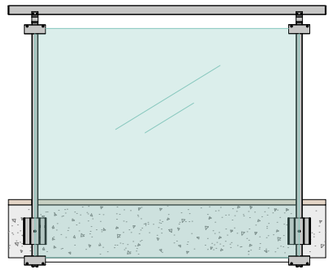
With glass supported by handles and round handrail

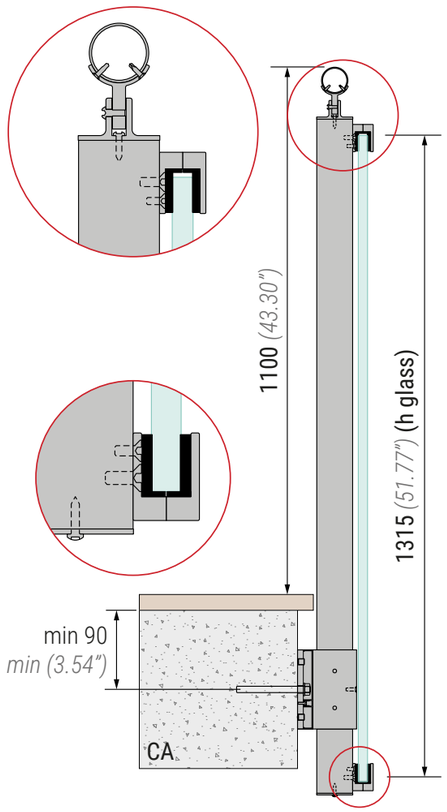
A5



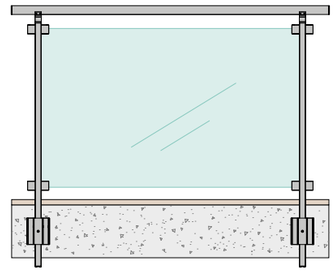


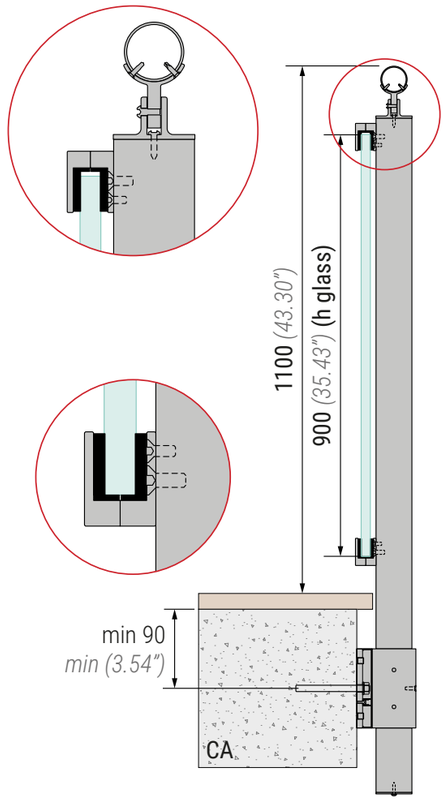
B5





C5





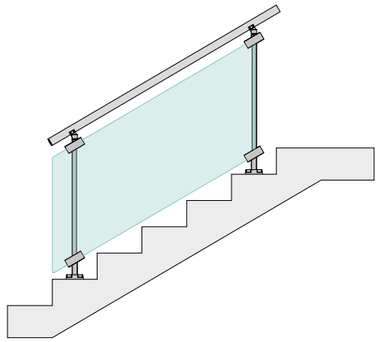


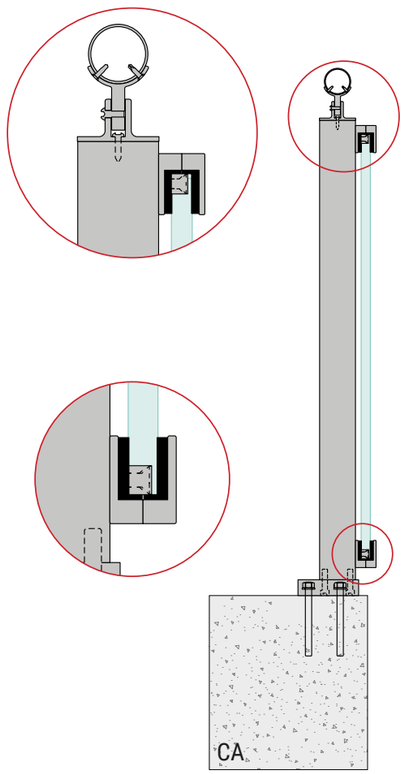


MAIOR EVO VISION FOR STAIRWAYS AND SLOPING FLOORS

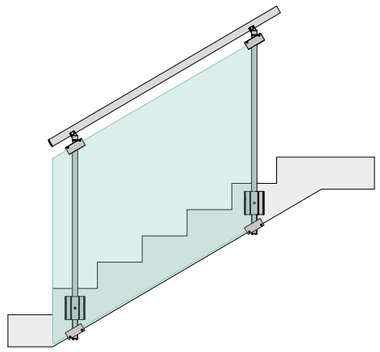
With glass supported by handles and round handrail

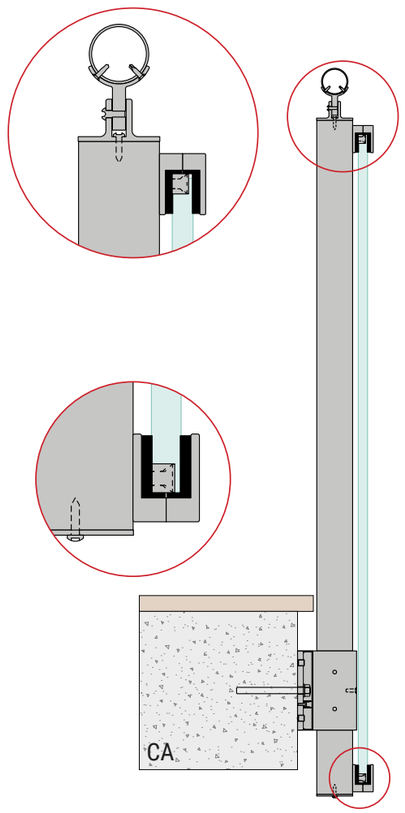
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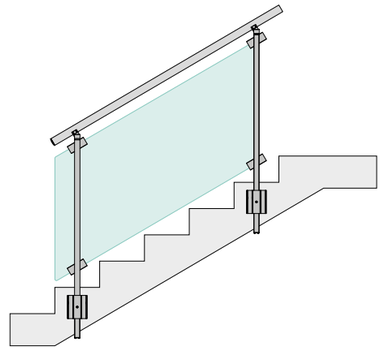


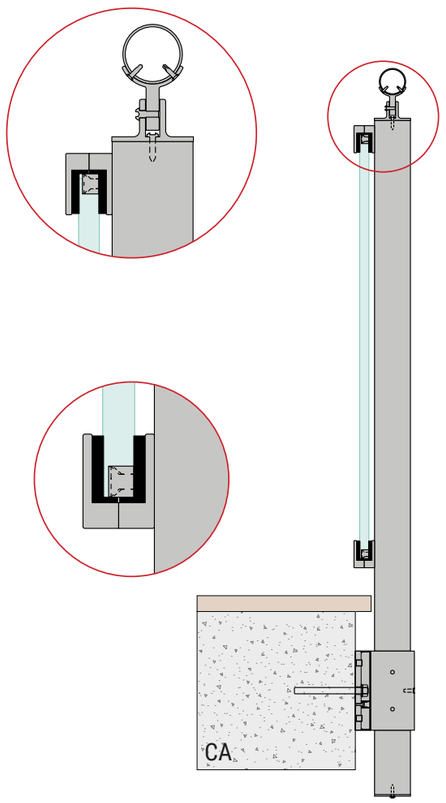
B5





C5





PROFILE DETAILS AND HANDRAIL:





MAIOR

NEW

EVO STICK

ALUMINIUM SAFETY BALUSTRADES

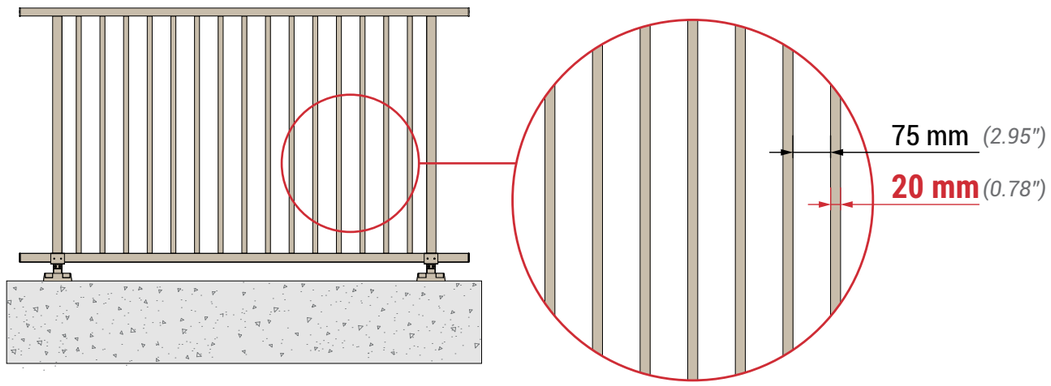
THE NEW BALUSTRADES WITH VERTICAL ALUMINIUM PICKETS

A new solution for your projects. Maior Evo balustrades are now also available in an all-aluminium version with customisable vertical pickets.

* Available for the following models:
Maior EVO ONE and PLUS

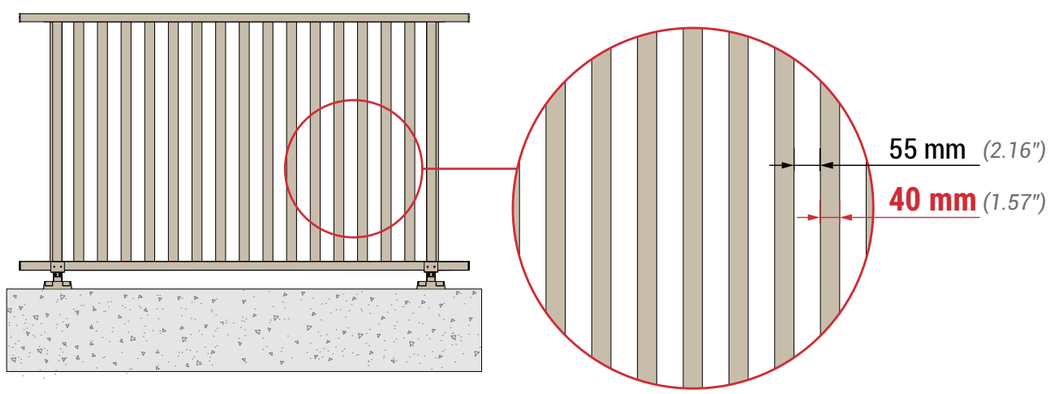
1 MAIOR EVO ONE/PLUS STICK PANEL S20

PATTERN 1: Aluminium pickets, 20x15 mm *(0.79 x 0.59″)* **width**



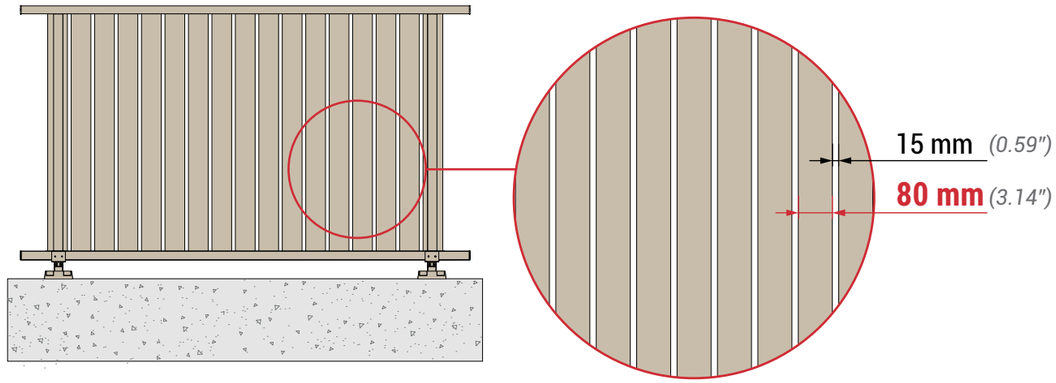
2 MAIOR EVO ONE/PLUS STICK PANEL S40

PATTERN 2: Aluminium pickets, 40x15 mm *(1.57 x 0.59″)* **width**



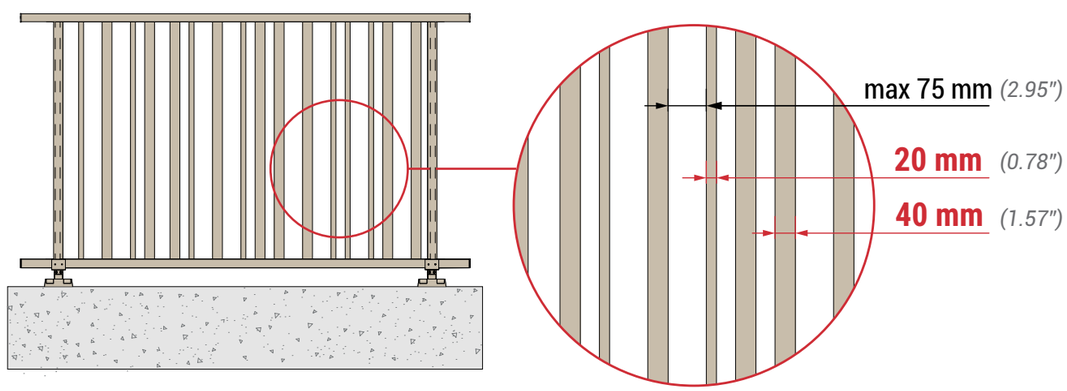
3 MAIOR EVO ONE/PLUS STICK PANEL S80

PATTERN 3: Aluminium pickets, 80x15 mm *(3.15 x 0.59″)* **width**



4 MAIOR EVO ONE/PLUS STICK PANEL MIX

PATTERN 4: Aluminium pickets, 20x15 mm *(0.78 x 0.59″)* **and 40x15 mm** *(1.57 x 0.59″)* **widths**



STANDARD PANEL SIZES

Four formats for greater design flexibility

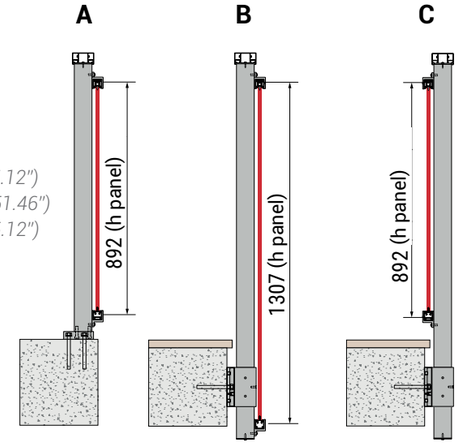
Examples with S20 stick panels.
The same panel widths apply to all other picket types (S40 / S80 / SMIX).

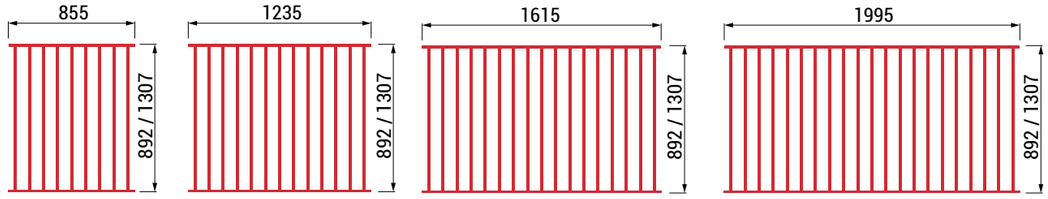
MAIOR EVO STICK PLUS

With rectangular handrail

Panel widths:
- 855 mm *(33.66")*
- 1235 mm *(48.62")*
- 1615 mm *(63.58")*
- 1995 mm *(78.54")*

Panel heights:
- Maior Evo Plus A: **h 892 mm** *(35.12")*
- Maior Evo Plus B: **h 1307 mm** *(51.46")*
- Maior Evo Plus C: **h 892 mm** *(35.12")*



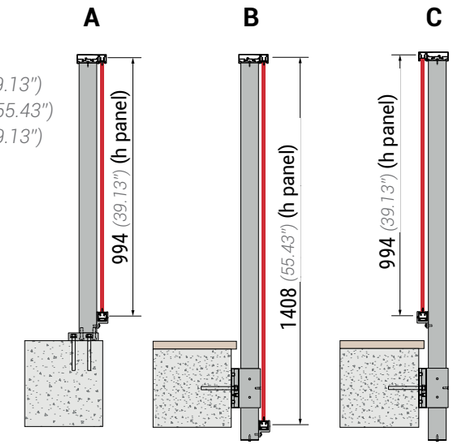


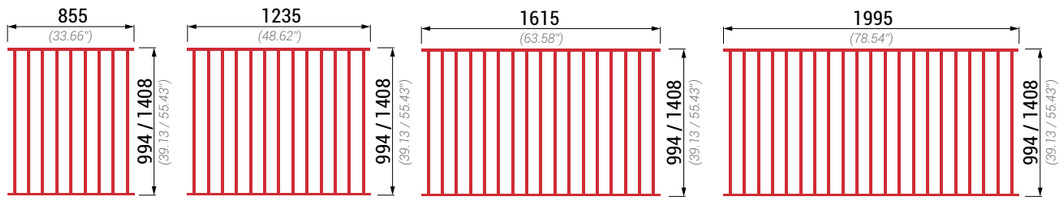
MAIOR EVO STICK ONE

With rectangular handrail

Panel widths:
- 855 mm *(33.66")*
- 1235 mm *(48.62")*
- 1615 mm *(63.58")*
- 1995 mm *(78.54")*

Panel heights:
- Maior Evo One A: **h 994 mm** *(39.13")*
- Maior Evo One B: **h 1408 mm** *(55.43")*
- Maior Evo One C: **h 994 mm** *(39.13")*

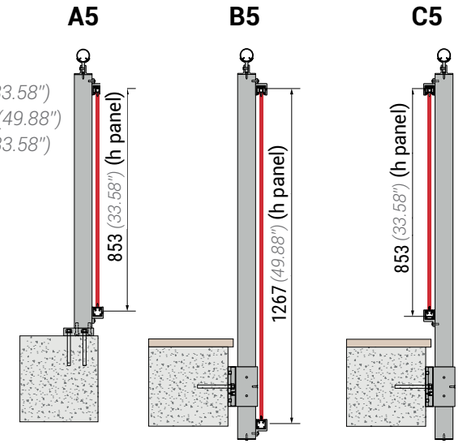


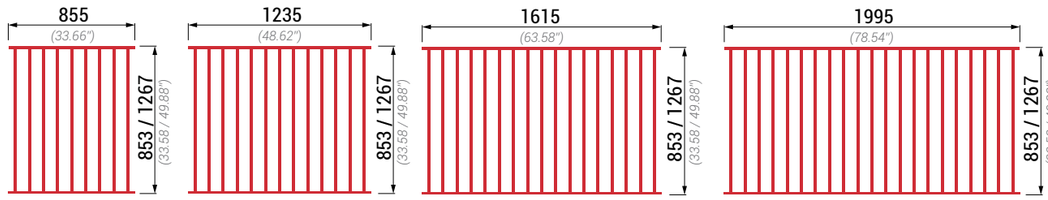


With round handrail

Panel widths:
- 855 mm *(33.66")*
- 1235 mm *(48.62")*
- 1615 mm *(63.58")*
- 1995 mm *(78.54")*

Panel heights:
- Maior Evo Plus A5: **h 853 mm** *(33.58")*
- Maior Evo Plus B5: **h 1267 mm** *(49.88")*
- Maior Evo Plus C5: **h 853 mm** *(33.58")*





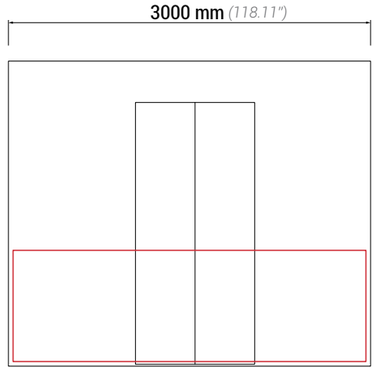
YOU ADAPT, WE DESIGN:

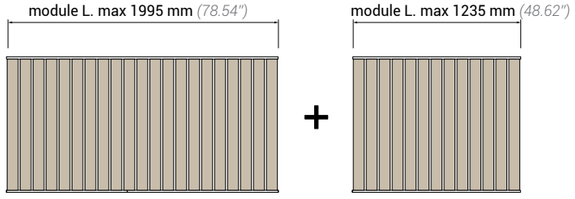
Two ways to achieve the perfect balustrade

Example of customising a 3000 mm *(118.11")* length using two standard modules of 1995 mm *(78.54")* and 1235 mm *(48.62")* respectively.

SOLUTION 1: STANDARD MODULE CUT TO SIZE ON SITE

Ideal for: professionals such as window and door installers, or anyone with tools for customisation.
Features: standard modules to ensure maximum production efficiency and shorter delivery times compared with custom-made solutions.
Advantages: cost optimisation and a high-quality product at a competitive price compared with custom-made solutions.
Installation: requires simple final adaptation on site (cutting or customisation), carried out by the installer.





SOLUTION 2: CUSTOM SUPPLY, READY FOR INSTALLATION

Ideal for: those looking for a product ready for installation with no additional work required.

Features: standard modules for the central part of the project, custom-made modules for the beginning and end.

Advantages: perfect customisation for installation and reduced installation time on site.

Installation: product made to measure, ready to use, with no need for further modifications.

1. Optimisation of the last module only
(with the addition of a 40 or 20 mm picket)

2. Optimisation of the first and last module
(with the addition of two 40 or 20 mm pickets)



CUSTOMISATION FOR A UNIQUE DESIGN

Customise your profile colours, in addition to the basic finishes you can choose from more than 2000 RAL colours on request.

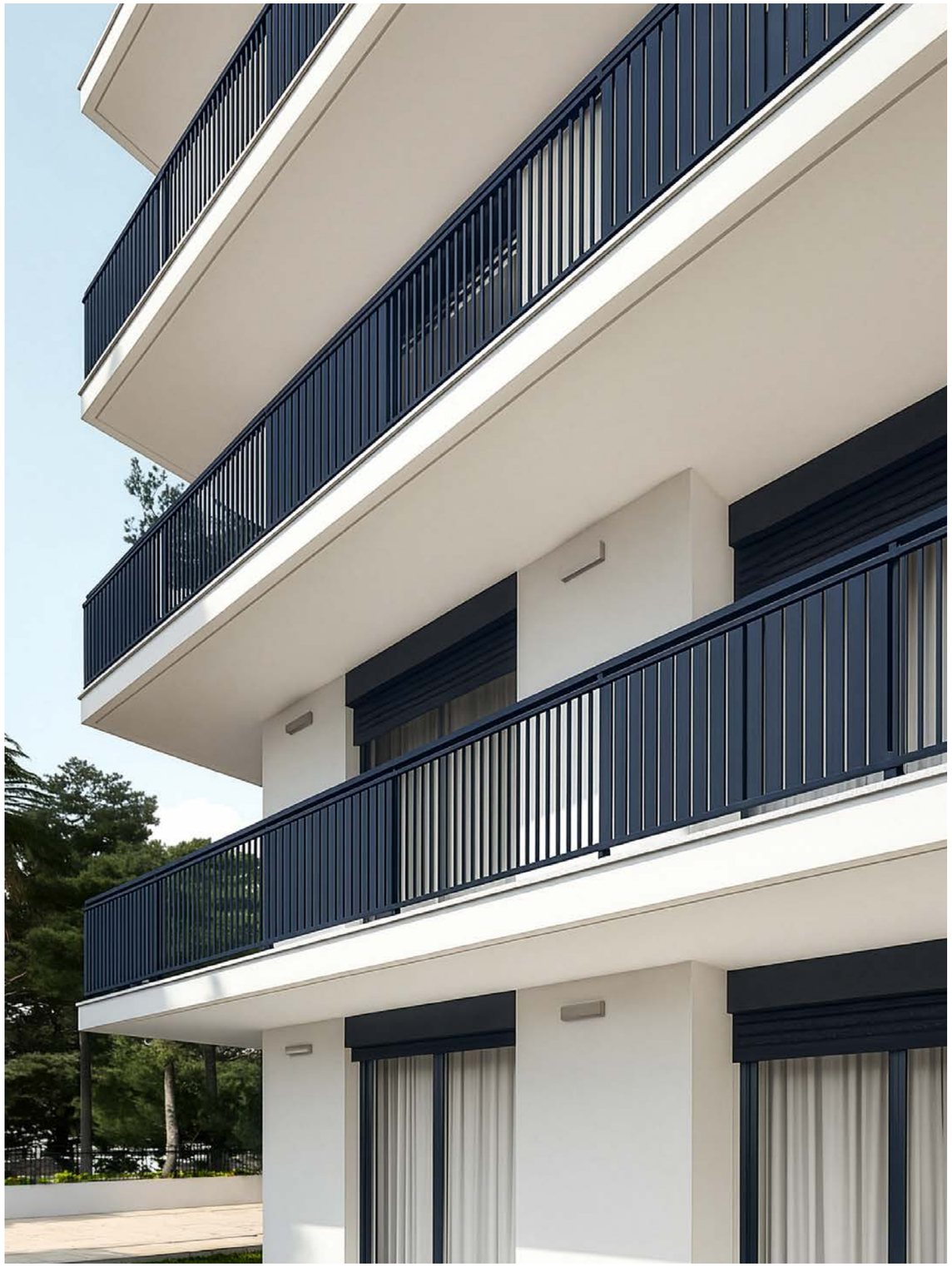
PROFILE FINISHES: RAL COLOURS

WHITE
RAL 9010 MATT

SILVER
COATED

PROFILE FINISHES: ON REQUEST

2000 RAL COLOURS



MAIOR EVO STICK

NEW

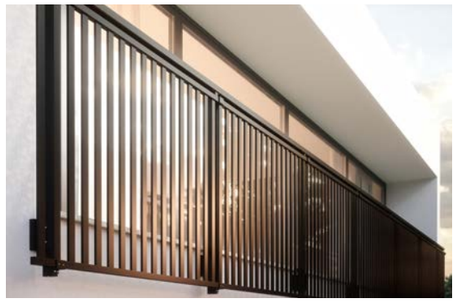
MAIOR EVO STICK ONE

Maior Evo Stick One with aluminium pickets: 20 mm, 40 mm, 80 mm *(0.79", 1.57", 3.15")* wide or alternating.



MAIOR EVO STICK PLUS (with rectangular handrail)

Maior Evo Stick Plus with aluminium pickets: 20 mm, 40 mm, 80 mm *(0.79", 1.57", 3.15")* wide or alternating.



MAIOR EVO STICK PLUS (with round handrail)

Maior Evo Stick Plus with aluminium pickets: 20 mm, 40 mm, 80 mm *(0.79", 1.57", 3.15")* wide or alternating.



PERFORMANCE VALUES

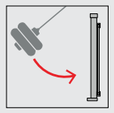
Maior EVO Stick laboratory tests

- Aluminium stick panel
- Tested for dynamic impact loads up to 600 J

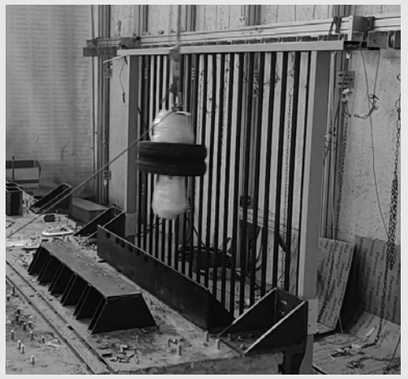
CATEGORY	MAIOR EVO STICK MODEL	STICK PANEL	CENTRE DISTANCE
C2 (200 kg/m *134 lb/ft*)	ONE and PLUS	S20	2000 mm *(78.74")*
		S40	
		S80	
		MIX	
C3 (300 kg/m *202 lb/ft*)	ONE and PLUS	S40	1500 mm *(59.05")*
		S80	



AS STRONG AS A GLASS BALUSTRADE

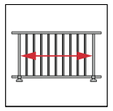


Maior Evo Stick balustrades also undergo impact tests to ensure greater safety and performance.

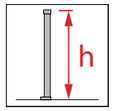


MAIOR EVO STICK ONE

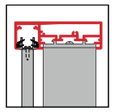
With vertical pickets fixed below the handrail



Post spacing:
Post span 2000 mm *(78.74")*
for 200 kg/m *(134 lb/ft)*
Post span 1500 mm *(59.05")*
for 300 kg/m *(202 lb/ft)*



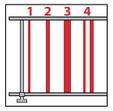
Post height:
height from finished floor level
1100 mm *(43.31")*



Rectangular handrail



Resistance to horizontal static linear load:
Tested up to 300 kg/m *(202 lb/ft)*
Tested up to 450 kg/m *(302 lb/ft)*



Picket types:
- 20X15 mm *(0.79 x 0.59")*
- 40X15 mm *(1.57 x 0.59")*
- 80X15 mm *(3.15 x 0.59")*
- mix

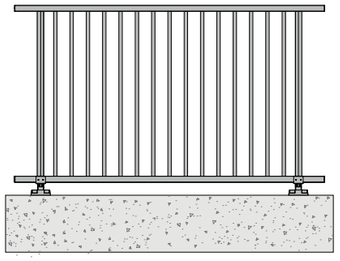


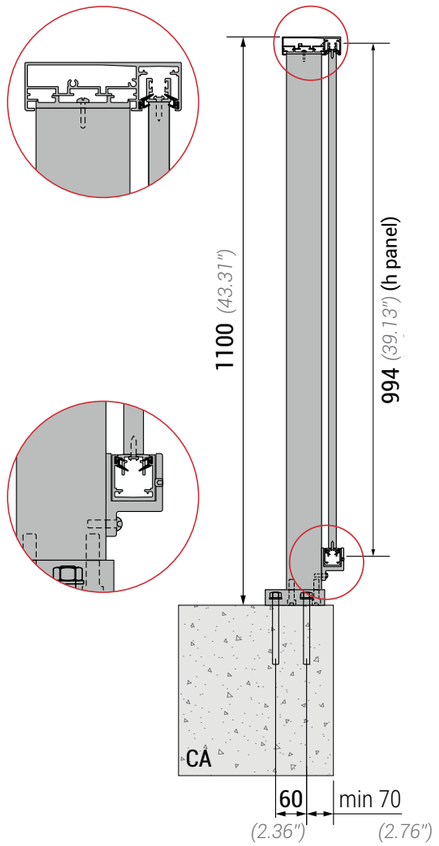


MAIOR EVO STICK ONE

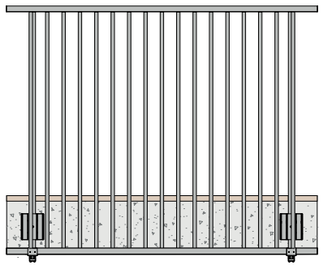
With full-height pickets and rectangular-section handrail

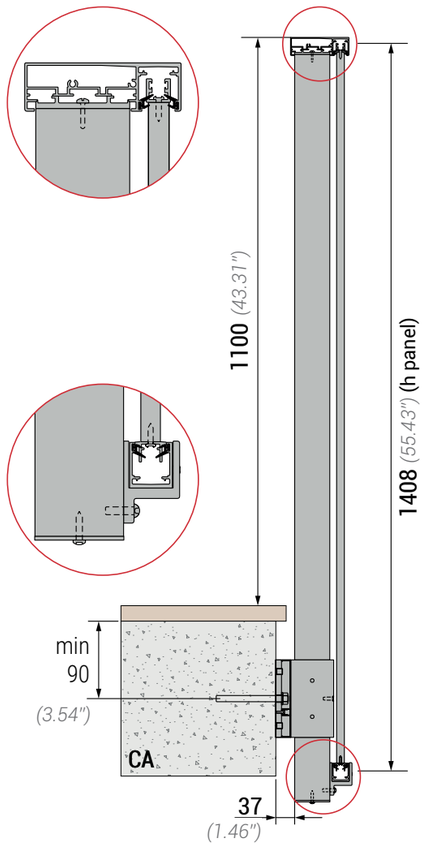
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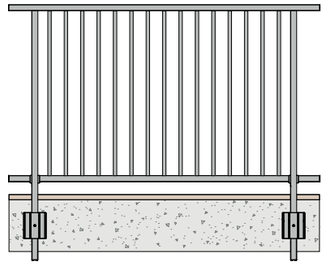


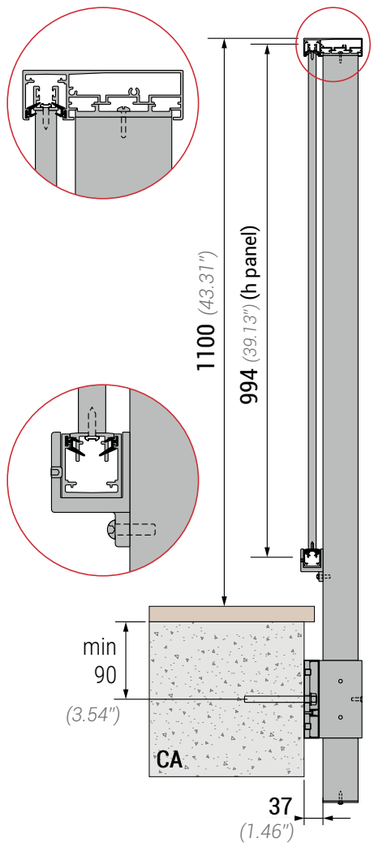
B



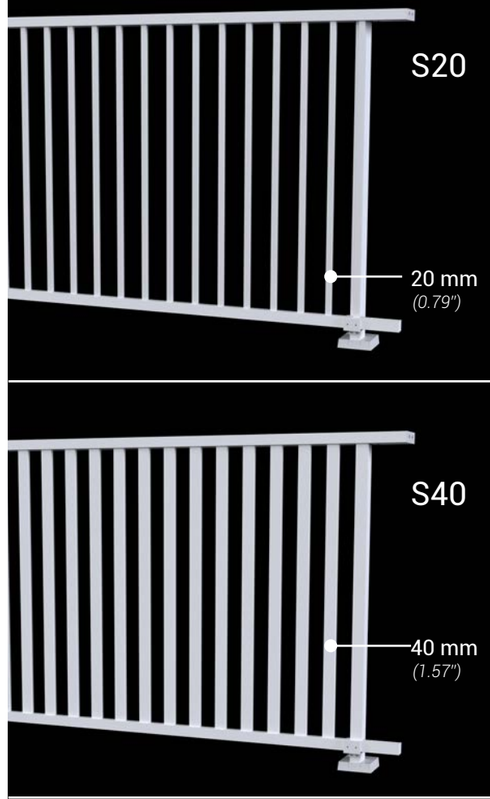


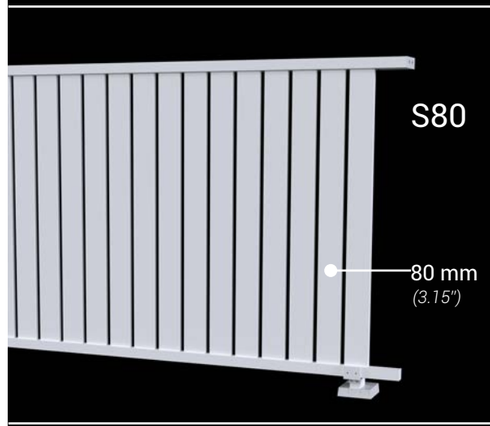
C





PICKET TYPES



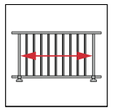




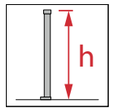


MAIOR EVO STICK PLUS

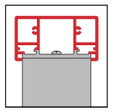
With pickets spaced from the handrail



Post spacing:
Post span 2000 mm *(78.74")*
for 200 kg/m *(134 lb/ft)*
Post span 1500 mm *(59.05")*
for 300 kg/m *(202 lb/ft)*



Post height:
height from finished floor level
1100 mm *(43.31")*



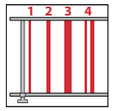
Rectangular handrail



Round handrail



Resistance to horizontal static linear load:
Tested up to 300 kg/m *(202 lb/ft)*
Tested up to 450 kg/m *(302 lb/ft)*



Picket types:
- 20X15 mm *(0.79 x 0.59")*
- 40X15 mm *(1.57 x 0.59")*
- 80X15 mm *(3.15 x 0.59")*
- mix



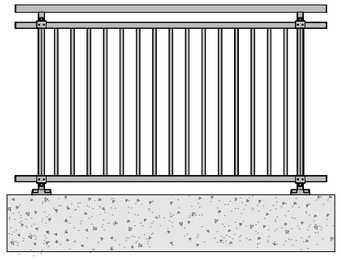


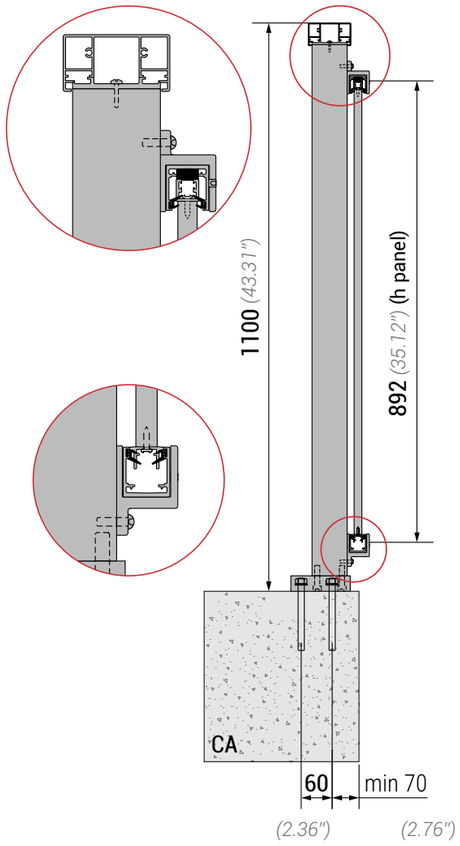
Maior Evo Plus balustrade with rectangular handrail. Mixed solution with different types of panels.

MAIOR EVO STICK PLUS

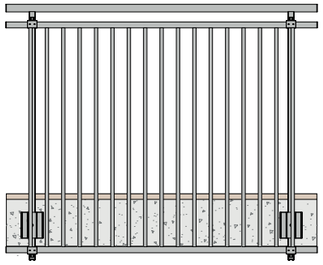
With pickets spaced from the handrail and rectangular-section handrail

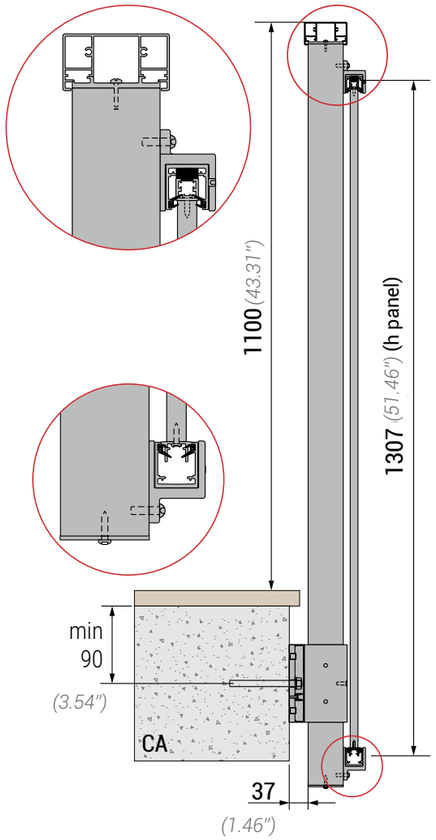
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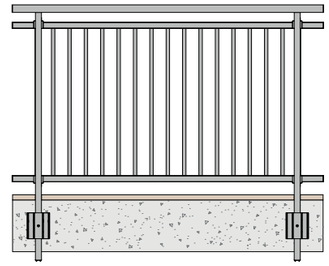


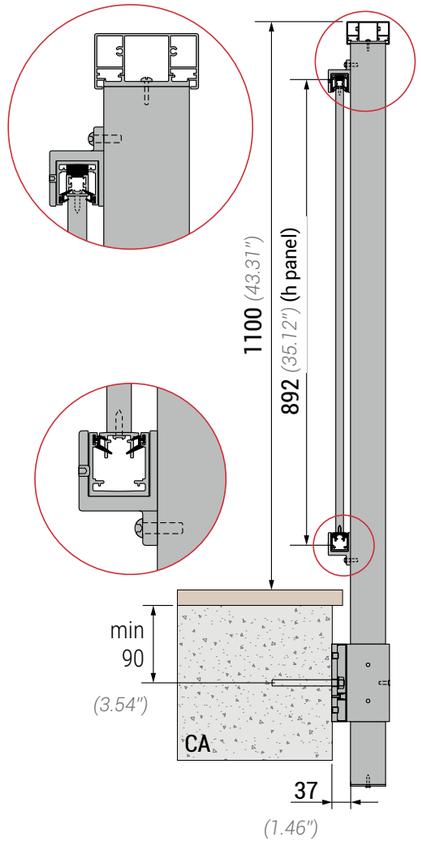
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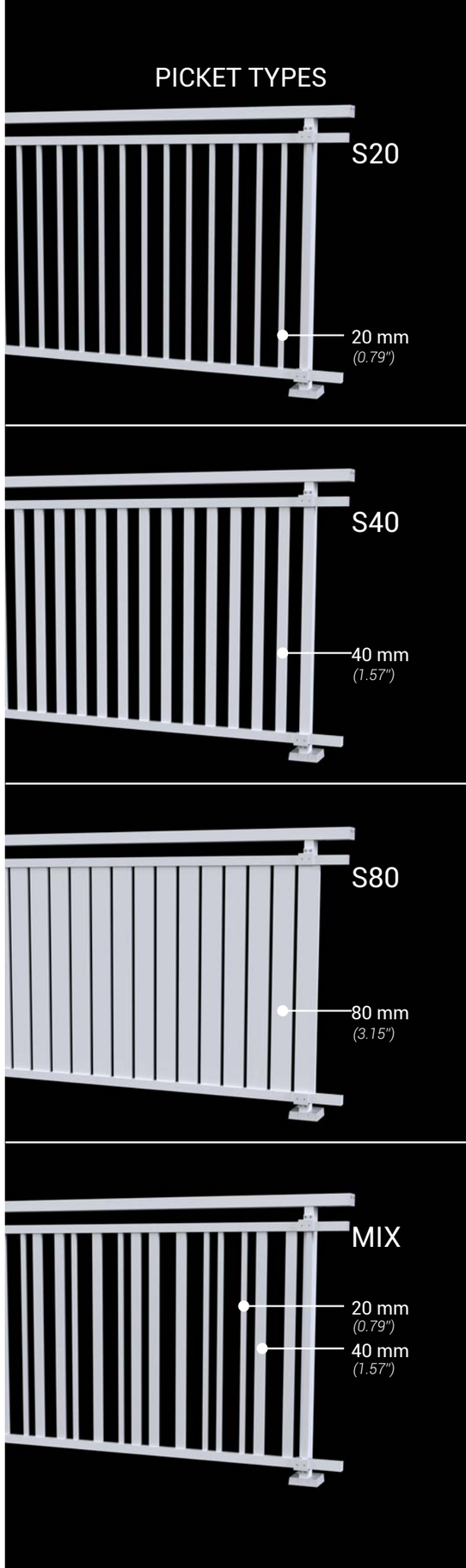




C





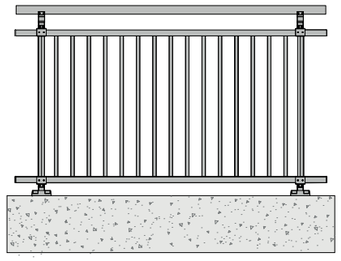


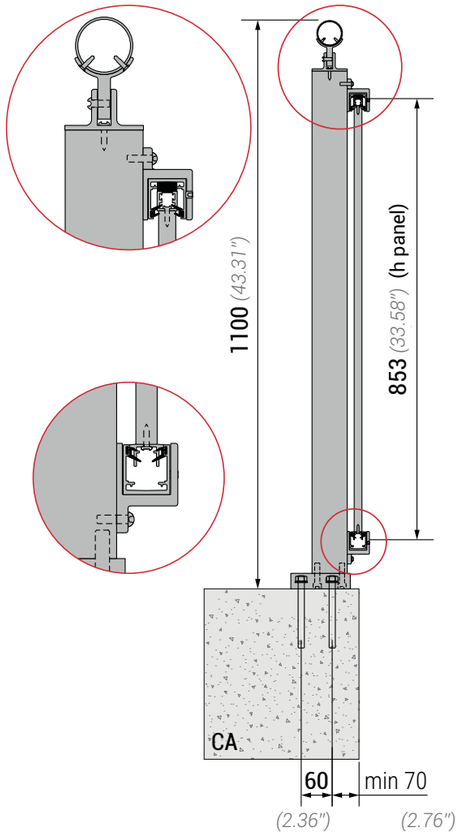


MAIOR EVO STICK PLUS

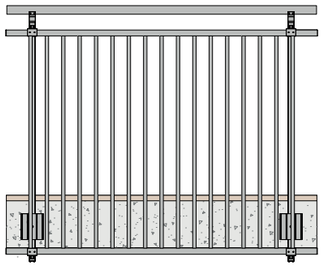
With pickets spaced from the handrail and round-section handrail

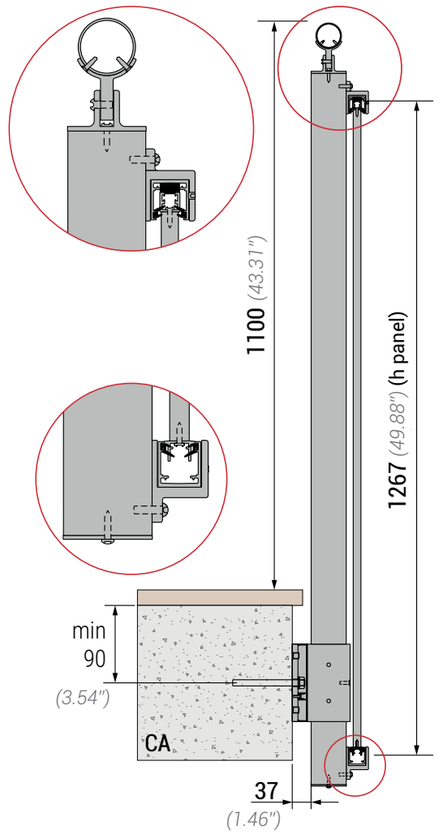
A5



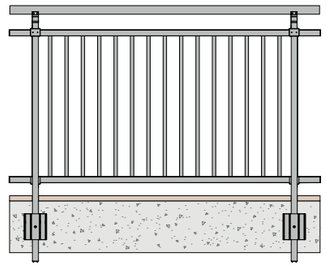


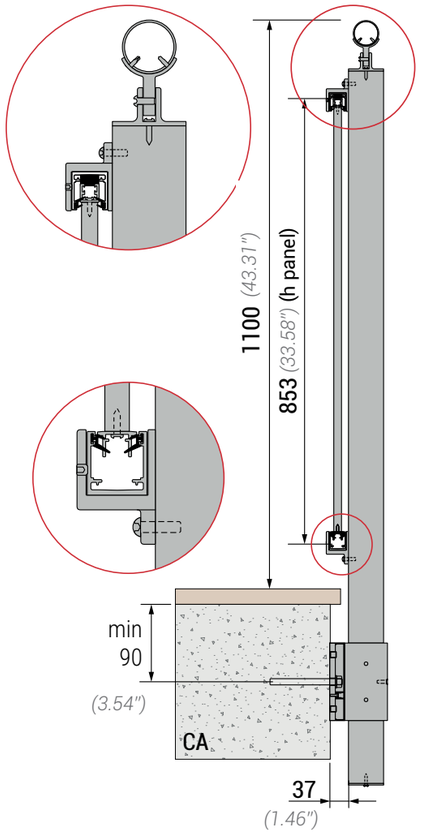
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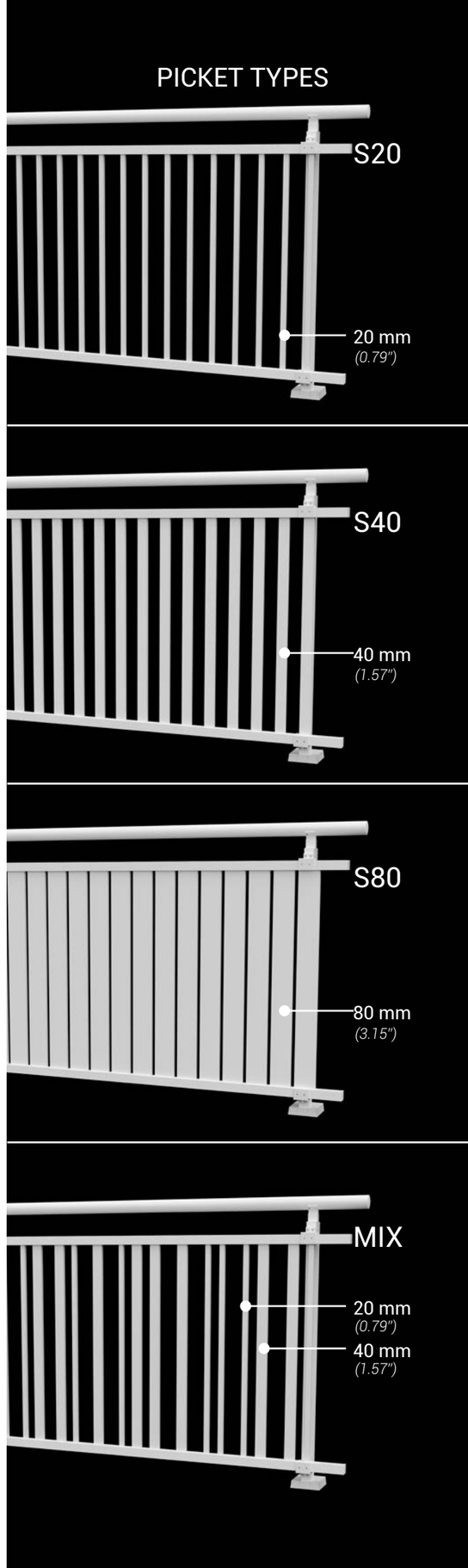




C5

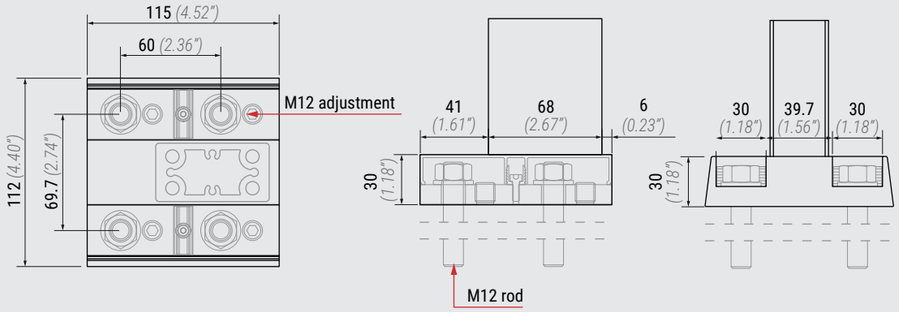


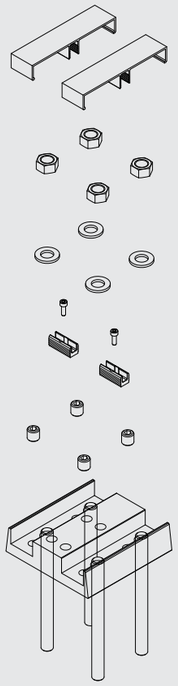




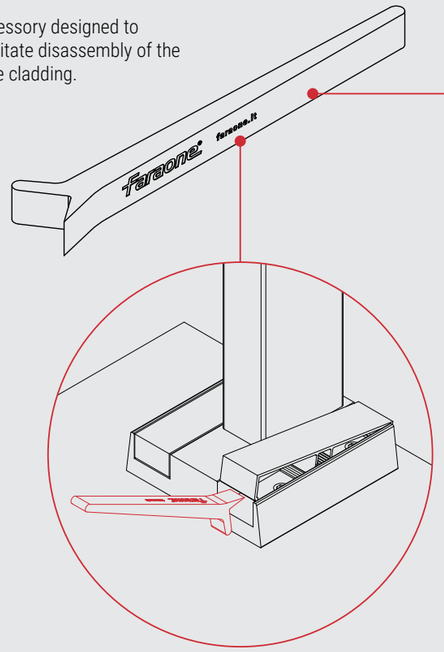
THE DESIGN OF ACCESSORIES AND COMPONENTS

FLOOR-FIXING BASE

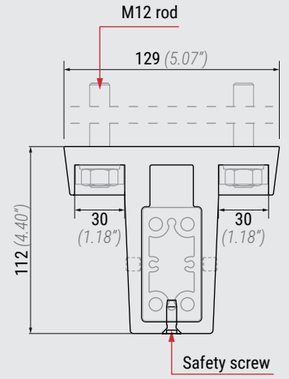


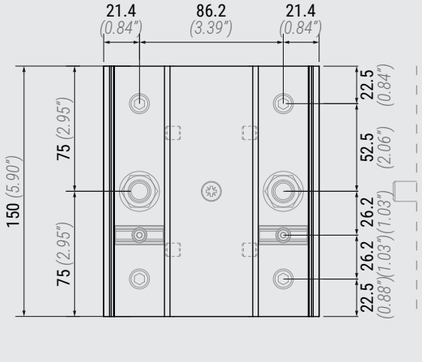


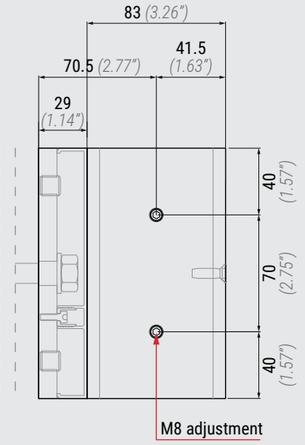
Accessory designed to facilitate disassembly of the base cladding.

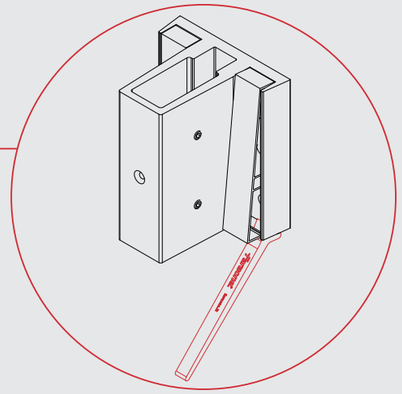


FASCIA-MOUNTED FIXING BASE









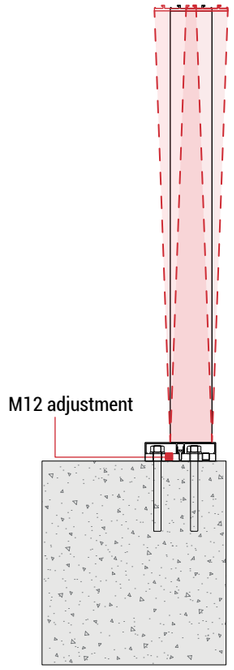
ADJUSTMENT SYSTEMS

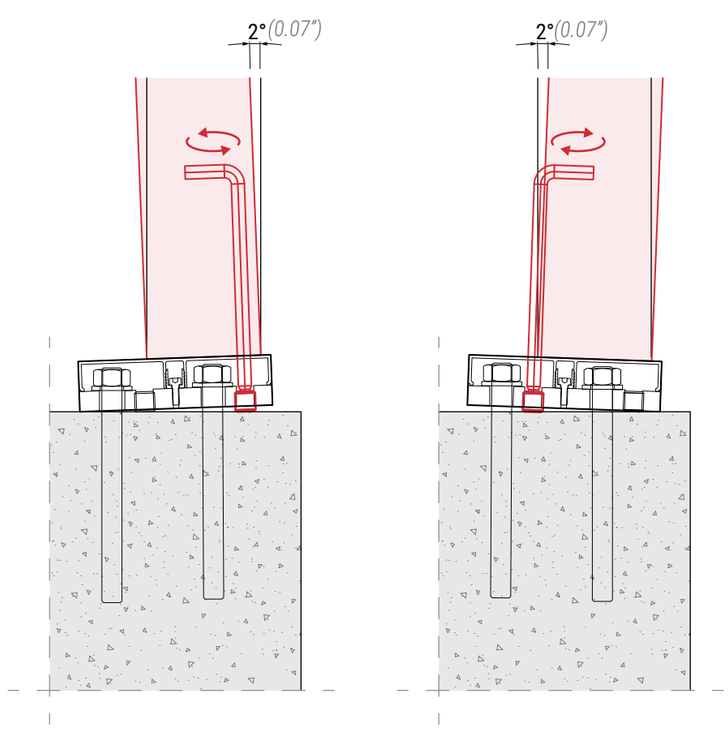
How to adjust posts with floor and front base

Both Maior Evo balustrade fixing bases - floor and front - can be adjusted to achieve the perfect alignment of the posts. The floor base is equipped with 4 M12x12 grub screws for adjustment.

FLOOR ADJUSTMENT

The position of the posts can be adjusted using the adjusters to achieve perfect alignment.

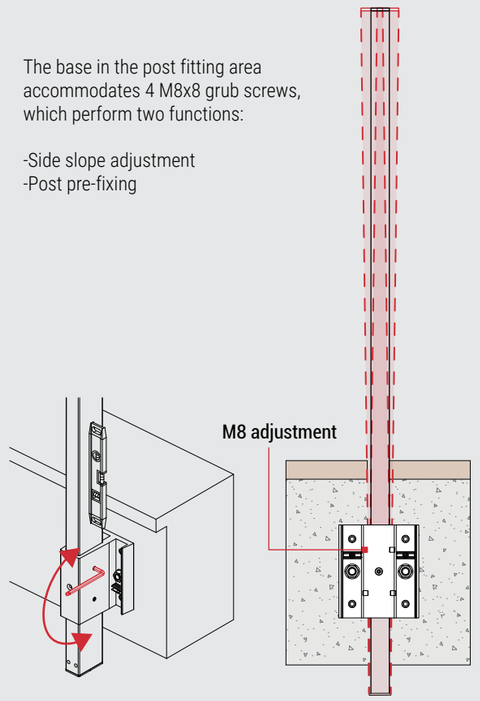


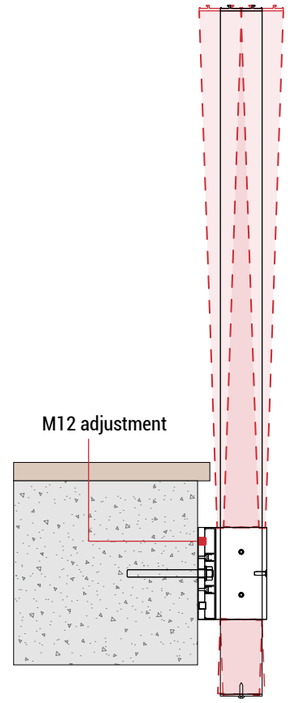


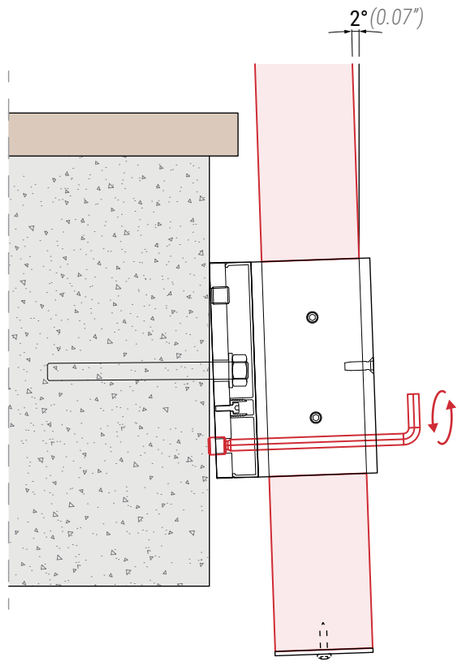
VERTICAL FRONT ADJUSTMENT

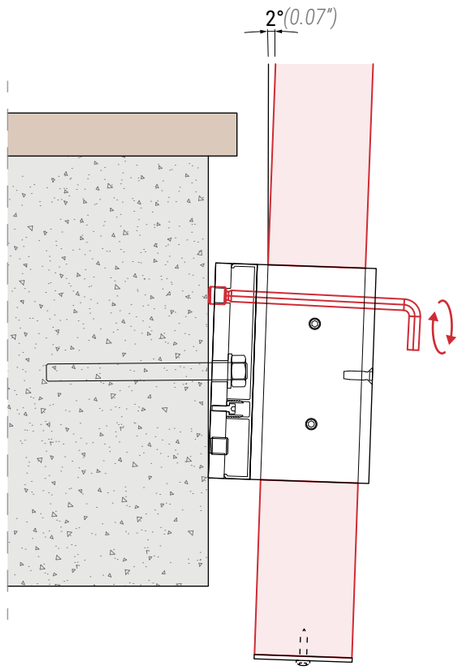
The base in the post fitting area accommodates 4 M8x8 grub screws, which perform two functions:

-Side slope adjustment
-Post pre-fixing









FIXING ON TILES

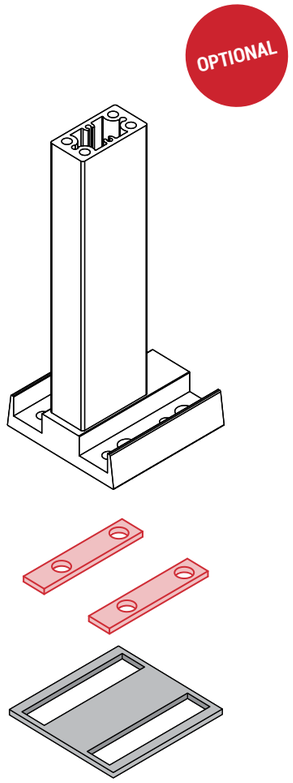
Accessory to reduce the risk of damaging surfaces during installation

Adjusting grub screws directly on the tile could result in damage to the surface **(1A)**.
By using aluminium plates, this risk is reduced and the pressure is distributed **(1B)**. In addition, the presence of the gasket on the entire base compensates for any air gaps that would be created following adjustment.

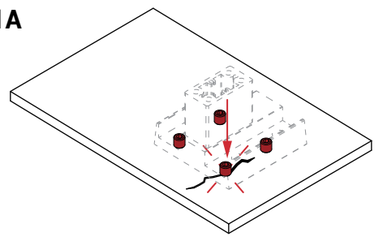
FLOOR FIXING:

The set consists of:

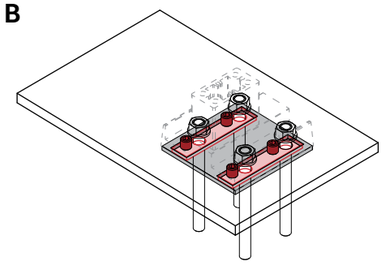
- **2 anodised aluminium plates** with a thickness of 3 mm *(0.11")*, drilled at the fixing rod positions
- 1 **high-density adhesive** gasket with a thickness of 5 mm *(0.19")*, drilled to accommodate the plates

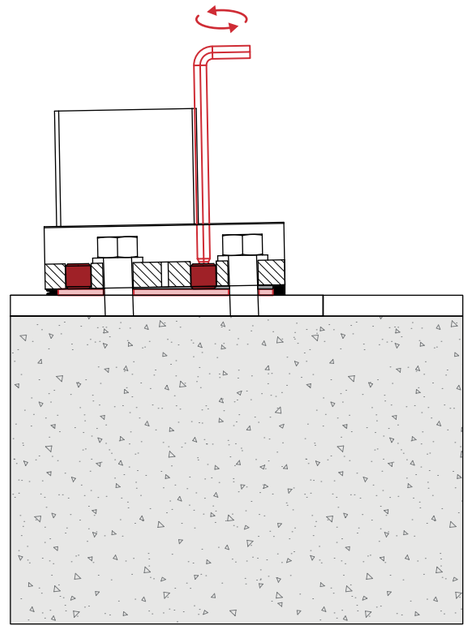


1A



1B



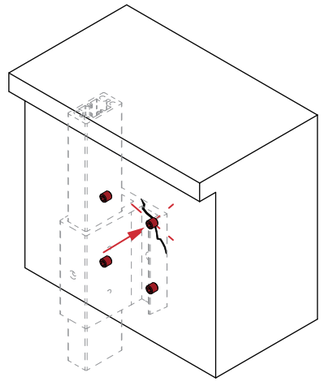


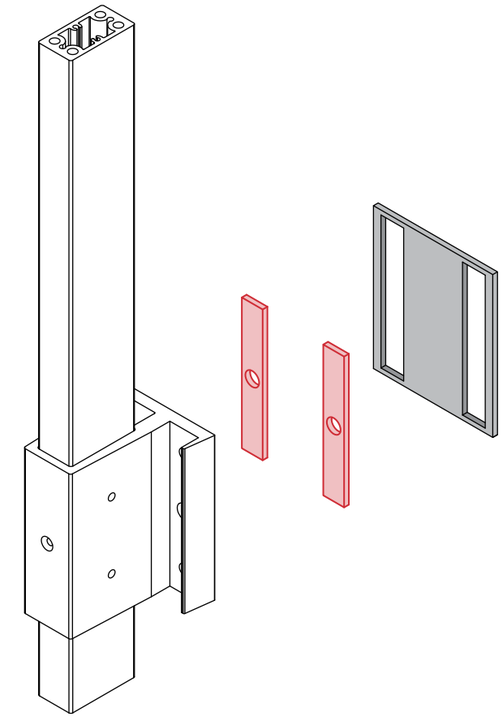
FASCIA-MOUNTED FIXING:

The set consists of:

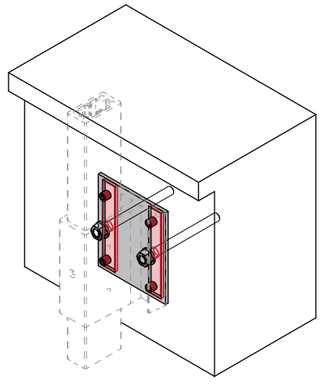
- **2 anodised aluminium plates** with a thickness of 3 mm *(0.11")*, drilled at the fixing rod positions
- **1** high-density adhesive **gasket** with a thickness of 5 mm *(0.19")*, drilled to accommodate the plates

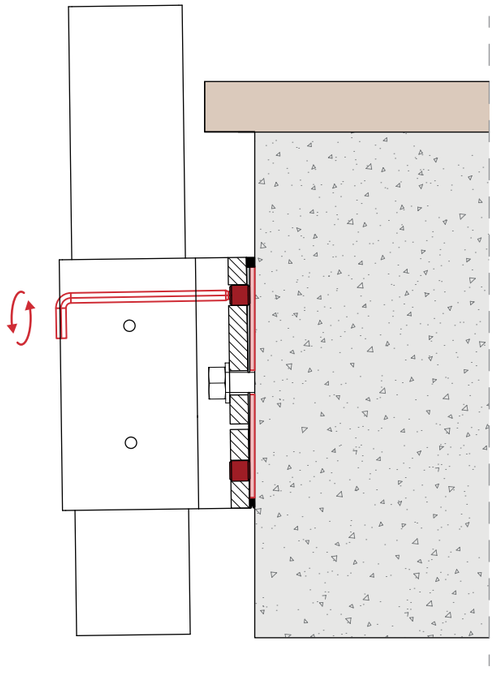
1A





1B





HANDRAIL CONNECTIONS

OPTIONAL

To create aesthetic and functional continuity

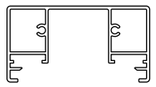
The joints are designed to meet different requirements in terms of both aesthetics and function.
They solve problems related to thermal expansion (via internal expansion chambers), misaligned surfaces and imperfections due to cutting to size.

The types of joints vary according to the two handrail sizes.

SMALL HANDRAIL

The set consists of:

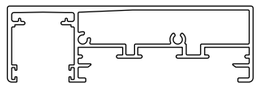
- **Linear joint** fitted with 4 M6X6 grub screws
- **Angular joint** fitted with 8 M6X6 grub screws



LARGE HANDRAIL

The set consists of:

- **Linear joint** fitted with 4 M6X6 grub screws
- **Angle joint** fitted with 8 M6X6 grub screws



HANDLE FOR MAIOR EVO VISION

The handle is set up for two fixing points so that it can perform its various functions.

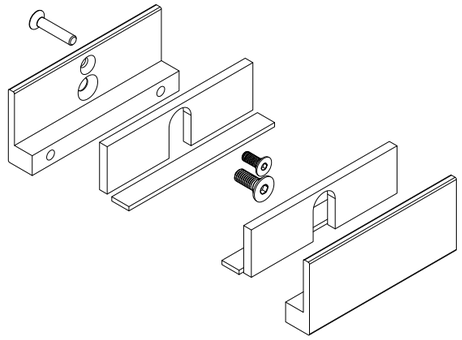
In the linear balustrade version, the two fixing points prevent accidental rotation when fitting the glass, simplifying the operation.

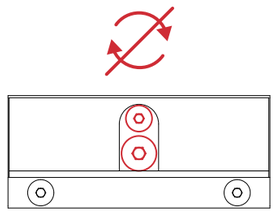
In the sloped balustrade version, only one fixing is used, which allows the handle to be turned to the desired inclination.
In addition, the handle is equipped with a high-density gasket that prevents contact between the aluminium and the glass pane and improves the balustrade's performance during impact tests.

FIXING THE BALUSTRADE ON A HORIZONTAL PLANE

The set consists of:

- **Handle** equipped with 1 countersunk screw M6X16 *(0.62")*;
  1 countersunk screw M8X20 *(0.78")*;
  2 countersunk screws M6X30 *(1.18")*
- **2** high-density **gaskets with 5 mm** *(0.19")* **thickness**

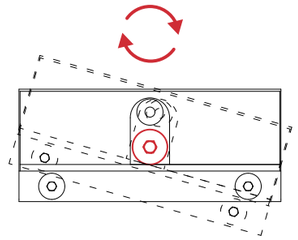




FIXING THE BALUSTRADE ON STAIRWAYS / SLOPING FLOORS

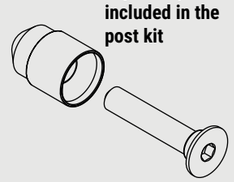
The set consists of:

- **Handle** equipped with 1 countersunk screw M6X16 *(0.62")*; 1 countersunk screw M8X40 *(1.57")*; 2 countersunk screws M6X30 *(1.18")*
- **2** high-density **gaskets with 5 mm** *(0.19")* **thickness**

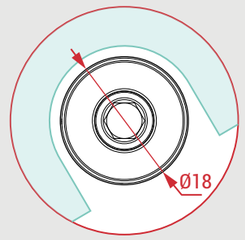


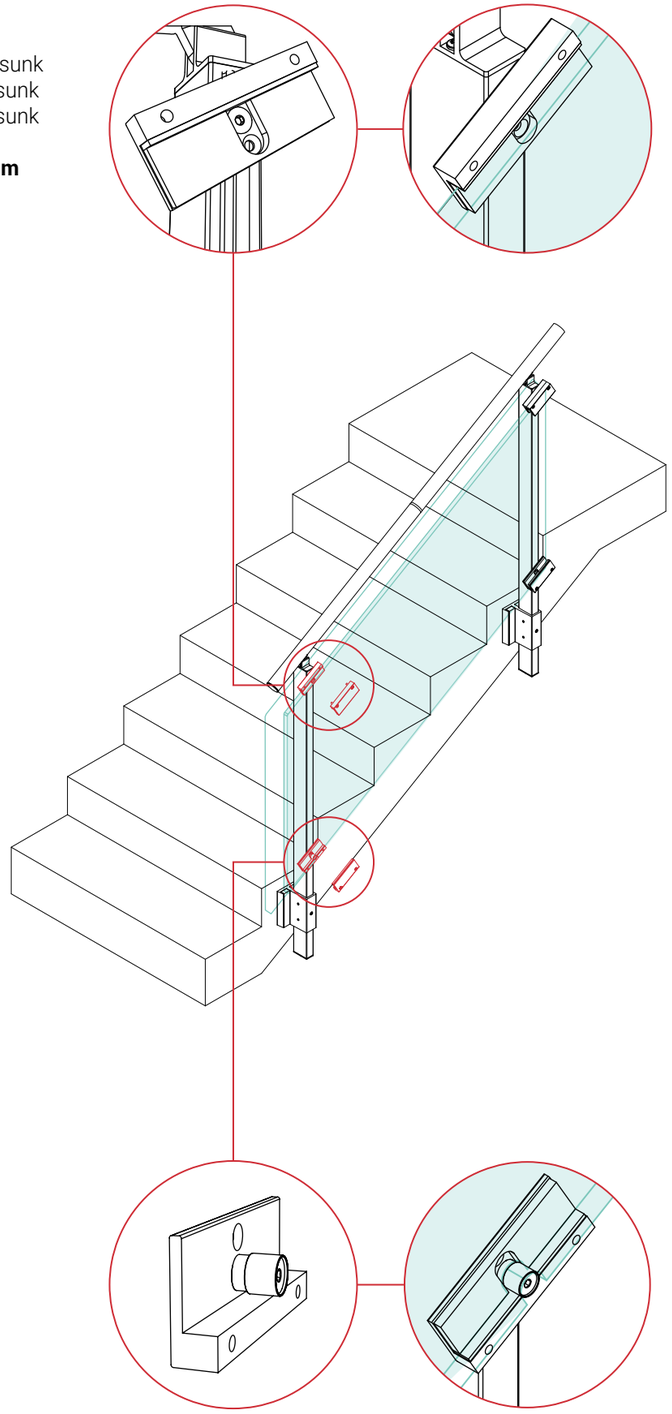
GLASS PLUG:
It must be used in the Vision version on stairways and sloping floors to prevent the glass from slipping and to avoid contact between the two panes.
-Plastic accessory
-Countersunk screw M8x40 *(1.57")*

NB: To be ordered separately. Not included in the post kit



GLASS NOTCH:
It is only necessary on the glass pane for the 1st post.





COLLAR SPACER

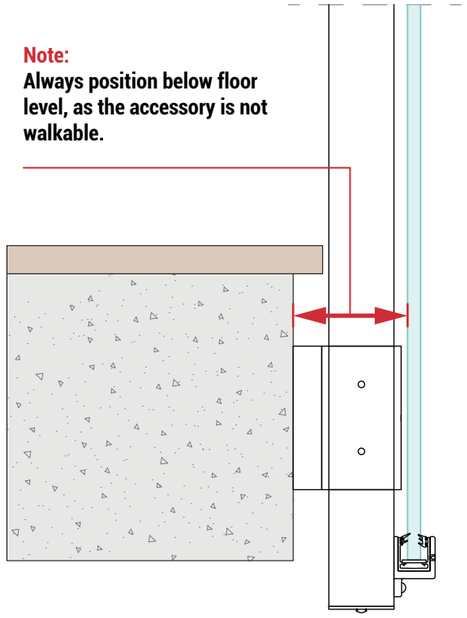
Reducing the space between glass and floor

OPTIONAL

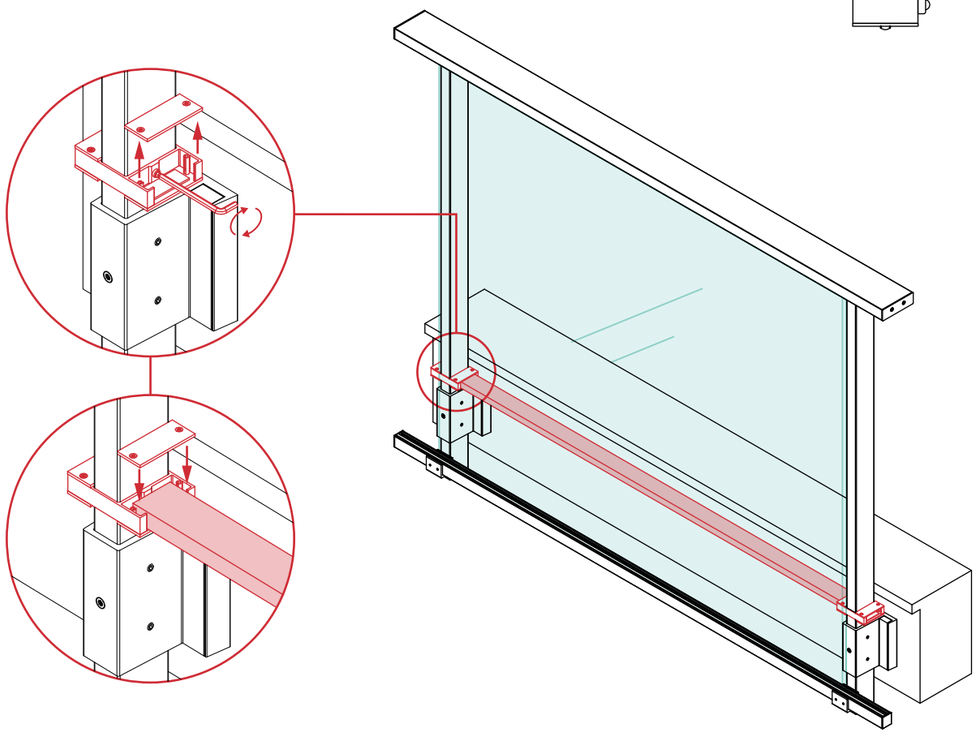
The accessory is designed to reduce, in the case of frontal mounting, the distance between the floor slab and the glass panel, preventing objects from accidentally falling through.
The accessory consists of two parts: the collar, which is fitted inside the post, and the rectangular box that spans the gap between the two posts.

The set consists of:

- Aluminium collar
- 4 Aluminium end caps
- 4 Low-density gaskets
- 8 Countersunk screws to close the aluminium caps
- 2 Grub screws M8X8 to lock the collar



Note:
Always position below floor level, as the accessory is not walkable.



GLASS INSTALLATION ACCESSORY

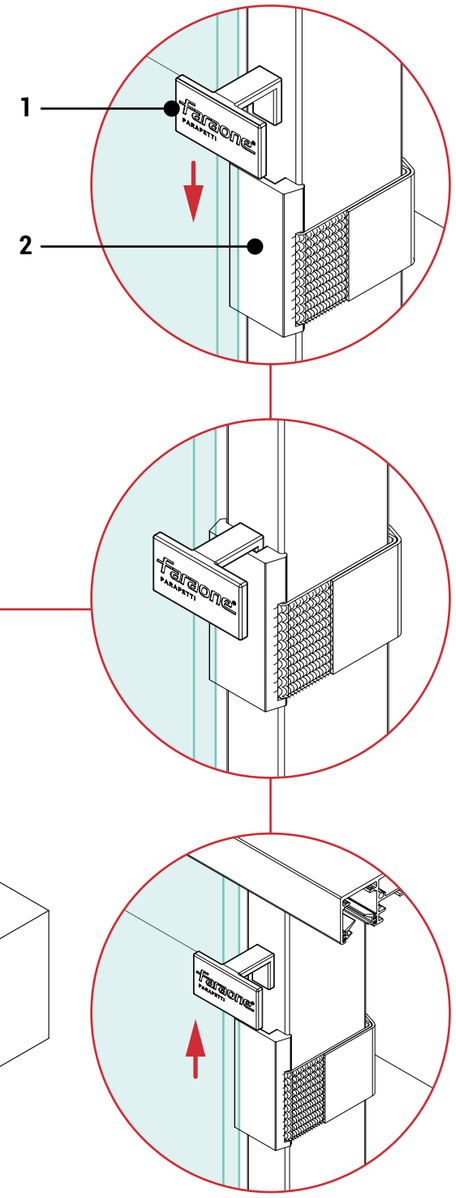
Increased safety and ease of installation

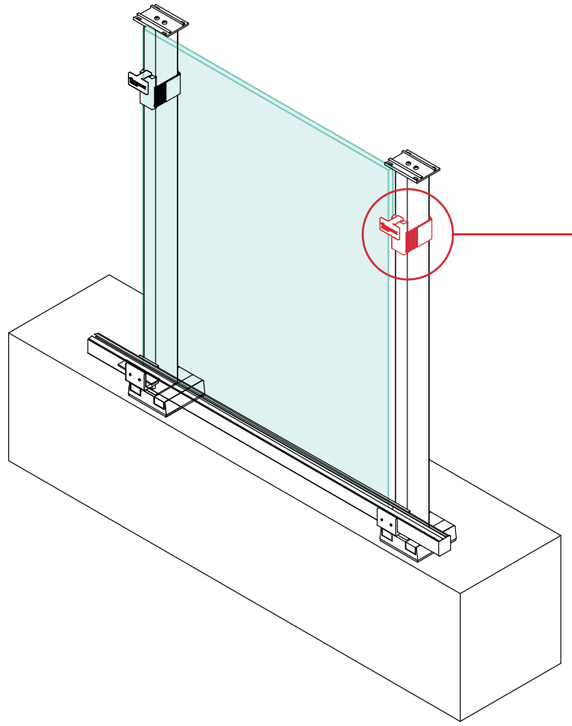
OPTIONAL

The installation accessory serves to temporarily support the glass panes, preventing them from accidentally falling before they are inserted into the handrail or glass-bearing profile.

The set consists of:

- **Plastic accessory 1**
- Plastic accessory 2
- Velcro connecting strip





ASSEMBLY INSTRUCTIONS MAIOR EVO

MAIOR EVO ONE



Watch the video



Watch the video



Watch the video

MAIOR EVO PLUS



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Watch the video

MAIOR EVO VISION



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Accessories



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Watch the video



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We guide you in choosing the best solution for your needs.

EXPERT GUIDE

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We carefully select the experts who carry out the installation of our products to ensure our quality standards. During this phase, tests are carried out on site to ensure that the installation has been performed in a competent manner and that everything is safe.



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TECHNICAL SPECIFICATIONS

MAIOR EVO ONE BALUSTRADE:

1) Maior Evo One "A": resistant to 200 kg/m and 300 kg/m *(134 lb/ft and 202 lb/ft)*, consisting of: vertical load-bearing posts top-mounted on the floor, a horizontal cross rail and an upper handrail, all made of extruded aluminium alloy profiles with polyester powder coating conforming to the Qualicoat specification. The balustrade infill consists of 6+6 mm *(1/4"+1/4")* laminated glass (Float)+0.76 *(0.030")* PVB/EVA for 200 kg/m *(134 lb/ft)*, and 6+6 mm *(1/4"+1/4")* laminated glass (Tempered)+0.76 *(0.030")* PVB/EVA for 300 kg/m *(202 lb/ft)*.

- The glass is positioned on the outer side of the posts.
- Top-mounted fixing with A4 stainless steel fasteners and certified chemical resin suitable for outdoor use.

2) Maior Evo One "B": resistant to 200 kg/m and 300 kg/m *(134 lb/ft and 202 lb/ft)*, consisting of: vertical load-bearing posts fascia-mounted on the balcony, a horizontal cross rail and an upper handrail, all made of extruded aluminium alloy profiles with polyester powder coating conforming to the Qualicoat specification. The balustrade infill consists of 6+6 mm *(1/4"+1/4")* laminated glass (Float)+0.76 *(0.030")* PVB/EVA for 200 kg/m *(134 lb/ft)*, and 6+6 mm *(1/4"+1/4")* laminated glass (Tempered)+0.76 *(0.030")* PVB/EVA for 300 kg/m *(202 lb/ft)*.

- The glass is positioned on the outer side of the posts, fully covering the thickness of the slab.
- Fascia-mounted fixing with A4 stainless steel fasteners and certified chemical resin suitable for outdoor use.

3) Maior Evo One "C": resistant to 200 kg/m and 300 kg/m *(134 lb/ft and 202 lb/ft)*, consisting of vertical load-bearing posts fascia-mounted on the balcony, a horizontal cross rail and an upper handrail, all made of extruded aluminium alloy profiles with polyester powder coating conforming to the Qualicoat specification. The balustrade infill consists of 6+6 mm *(1/4"+1/4")* laminated glass (Float)+0.76 *(0.030")* PVB/EVA for 200 kg/m *(202 lb/ft)*, and 6+6 mm *(1/4"+1/4")* laminated glass (Tempered)+0.76 *(0.030")* PVB/EVA for 300 kg/m *(202 lb/ft)*.
The glass is positioned on the inner side of the posts. The balustrade reaches a height of 110 cm *(43.3")* from finished floor level (FFL), with a total post height of 144 cm *(56.7")*.

- Fascia-mounted fixing with A4 stainless steel fasteners and certified chemical resin suitable for outdoor use.

MAIOR EVO PLUS BALUSTRADE:

1) Maior Evo Plus "A": resistant to 200 kg/m and 300 kg/m *(134 lb/ft and 202 lb/ft)*, consisting of: vertical load-bearing posts top-mounted on the floor, two horizontal cross rails and an upper handrail, all made of extruded aluminium alloy profiles with polyester powder coating conforming to the Qualicoat specification. The balustrade infill consists of 6+6 mm *(1/4"+1/4")* laminated glass (Float)+0.76 *(0.030")* PVB/EVA for 200 kg/m *(134 lb/ft)*, and 6+6 mm *(1/4"+1/4")* laminated glass (Tempered) +0.76 *(0.030")* PVB/EVA for 300 kg/m *(202 lb/ft)*.

- The glass is positioned on the outer side of the posts.
- Top-mounted fixing with A4 stainless steel fasteners and certified chemical resin suitable for outdoor use.

2) Maior Evo Plus "B": resistant to 200 kg/m and 300 kg/m *(134 lb/ft and 202 lb/ft)*, consisting of: vertical load-bearing posts fascia-mounted on the balcony, two horizontal cross rails and an upper handrail, all made of extruded aluminium alloy profiles with polyester powder coating conforming to the Qualicoat specification. The balustrade infill consists of 6+6 mm *(1/4"+1/4")* laminated glass (Float) +0.76 *(0.030")* PVB/EVA for 200 kg/m *(134 lb/ft)*, and 6+6 mm *(1/4"+1/4")* laminated glass (Tempered)+0.76 *(0.030")* PVB/EVA for 300 kg/m *(202 lb/ft)*.

- The glass is positioned on the outer side of the two posts, fully covering the thickness of the slab.
- Fascia-mounted fixing with A4 stainless steel fasteners and certified chemical resin suitable for outdoor use.

3) Maior Evo Plus "C": resistant to 200 kg/m and 300 kg/m *(134 lb/ft and 202 lb/ft)*, consisting of: vertical load-bearing posts fascia-mounted on the balcony, two horizontal cross rails and an upper handrail, all made of extruded aluminium alloy profiles with polyester powder coating conforming to the Qualicoat specification. The balustrade infill consists of 6+6 mm *(1/4"+1/4")* laminated glass (Float)+0.76 *(0.030")* PVB/EVA for 200 kg/m *(134 lb/ft)*, and 6+6 mm *(1/4"+1/4")* laminated glass (Tempered)+0.76 *(0.030")* PVB/EVA for 300 kg/m *(202 lb/ft)*.
The glass is positioned on the inner side of the posts. The balustrade reaches a height of 110 cm *(43.3")* from finished floor level (FFL), with a total post height of 143 cm *(56.3")*.

- Fascia-mounted fixing with A4 stainless steel fasteners and certified chemical resin suitable for outdoor use.

MAIOR EVO VISION BALUSTRADE:

1) Maior Evo Vision "A": resistant to 200 kg/m and 300 kg/m *(134 lb/ft and 202 lb/ft)*, consisting of: vertical load-bearing posts top-mounted on the floor (or stair-mounted), an upper handrail, 4 glass clamps (one at each corner) for securing the glass; all made of extruded aluminium alloy profiles with polyester powder coating conforming to the Qualicoat specification.
The balustrade infill consists of 8+8 mm *(5/16"+5/16")* laminated glass (Float) +0.76 *(0.030")* PVB/EVA for 200 kg/m *(134 lb/ft)*, and 8+8 mm *(5/16"+5/16")* laminated glass (Tempered) +0.76 *(0.030")* PVB/EVA for 300 kg/m *(202 lb/ft)*.

- The glass is positioned on the outer side of the two posts.
- Top-mounted fixing with A4 stainless steel fasteners and certified chemical resin suitable for outdoor use.

2) Maior Evo Vision "B": resistant to 200 kg/m and 300 kg/m *(134 lb/ft and 202 lb/ft)*, consisting of: vertical load-bearing posts fascia-mounted (or stair-mounted), an upper handrail, 4 glass clamps (one at each corner) for securing the glass; all made of extruded aluminium alloy profiles with polyester powder coating conforming to the Qualicoat specification.
The balustrade infill consists of 8+8 mm *(5/16"+5/16")* laminated glass (Float) +0.76 *(0.030")* PVB/EVA for 200 kg/m *(134 lb/ft)*, and 8+8 mm *(5/16"+5/16")* laminated glass (Tempered)+0.76 *(0.030")* PVB/EVA for 300 kg/m *(202 lb/ft)*.

- The glass is positioned on the outer side of the two posts, fully covering the thickness of the slab.
- Fascia-mounted fixing with A4 stainless steel fasteners and certified chemical resin suitable for outdoor use.

3) Maior Evo Vision "C": resistant to 200 kg/m and 300 kg/m *(134 lb/ft and 202 lb/ft)*, consisting of: vertical load-bearing posts fascia-mounted (or stair-mounted), an upper handrail, 4 glass clamps (one at each corner) for securing the glass; all made of extruded aluminium alloy profiles with polyester powder coating conforming to the Qualicoat specification.
The balustrade infill consists of 8+8 mm *(5/16"+5/16")* laminated glass (Float) +0.76 *(0.030")* PVB/EVA for 200 kg/m *(134 lb/ft)*, and 8+8 mm *(5/16"+5/16")* laminated glass (Tempered)+0.76 *(0.030")* PVB/EVA for 300 kg/m *(202 lb/ft)*.

- The glass is positioned on the outer side of the posts. The balustrade reaches a height of 110 cm *(43.3")* from finished floor level (FFL), with a total post height of 143 cm *(56.3")*.
- Fascia-mounted fixing with A4 stainless steel fasteners and certified chemical resin suitable for outdoor use.

MAIOR EVO STICK ONE BALUSTRADE:

1) Maior Evo Stick One "A": resistant to 200 kg/m and 300 kg/m *(134 lb/ft and 202 lb/ft)*, consisting of: vertical load-bearing posts top-mounted on the floor, a horizontal cross rail and an upper handrail, all made of extruded aluminium alloy profiles with polyester powder coating conforming to the Qualicoat specification. The balustrade infill is an aluminium panel consisting of upper and lower horizontal profiles plus vertical profiles that fill the entire surface. The dimensions of the vertical profiles can be chosen according to the aesthetic requirements of the project and are:
20 x 15 mm *(0.79 × 0.59")*, 40 x 15 mm *(1.57 × 0.59")*, 80 x 15 mm *(3.15 × 0.59")*, Mix (Combination of mixed-size profiles 20x15 mm and 40x15 mm).

- The panel is positioned on the outer side of the posts.
- Top-mounted fixing with A4 stainless steel fasteners and certified chemical resin suitable for outdoor use.

2) Maior Evo Stick One "B": resistant to 200 kg/m and 300 kg/m *(134 lb/ft and 202 lb/ft)*, consisting of: vertical load-bearing posts fascia-mounted on the balcony, a horizontal cross rail and an upper handrail, all made of extruded aluminium alloy profiles with polyester powder coating conforming to the Qualicoat specification. The balustrade infill is an aluminium panel consisting of upper and lower horizontal profiles plus vertical profiles that fill the entire surface. The dimensions of the vertical profiles can be chosen according to the aesthetic requirements of the project and are:
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- The panel is positioned on the outer side of the posts, fully covering the thickness of the slab.
- Fascia-mounted fixing with A4 stainless steel fasteners and certified chemical resin suitable for outdoor use.

3) Maior Evo Stick One "C": resistant to 200 kg/m and 300 kg/m *(134 lb/ft and 202 lb/ft)*, consisting of vertical load-bearing posts fascia-mounted on the balcony, a horizontal cross rail and an upper handrail, all made of extruded aluminium alloy profiles with polyester powder coating conforming to the Qualicoat specification. The balustrade infill is an aluminium panel consisting of upper and lower horizontal profiles plus vertical profiles that fill the entire surface. The dimensions of the vertical profiles can be chosen according to the aesthetic requirements of the project and are:
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- The panel is positioned on the inner side of the posts.
- Fascia-mounted fixing with A4 stainless steel fasteners and certified chemical resin suitable for outdoor use.

MAIOR EVO STICK PLUS BALUSTRADE:

1) Maior Evo Stick Plus "A": resistant to 200 kg/m and 300 kg/m *(134 lb/ft and 202 lb/ft)*, consisting of: vertical load-bearing posts top-mounted on the floor, two horizontal cross rails and an upper handrail, all made of extruded aluminium alloy profiles with polyester powder coating conforming to the Qualicoat specification. The balustrade infill is an aluminium panel consisting of upper and lower horizontal profiles plus vertical profiles that fill the entire surface. The dimensions of the vertical profiles can be chosen according to the aesthetic requirements of the project and are:
20 x 15 mm *(0.79 × 0.59")*, 40 x 15 mm *(1.57 × 0.59")*, 80 x 15 mm *(3.15 × 0.59")*, Mix (Combination of mixed-size profiles 20x15 mm and 40x15 mm).

- The panel is positioned on the outer side of the posts.
- Top-mounted fixing with A4 stainless steel fasteners and certified chemical resin suitable for outdoor use.

2) Maior Evo Stick Plus "B": resistant to 200 kg/m and 300 kg/m *(134 lb/ft and 202 lb/ft)*, consisting of: vertical load-bearing posts fascia-mounted on the balcony, two horizontal cross rails and an upper handrail, all made of extruded aluminium alloy profiles with polyester powder coating conforming to the Qualicoat specification. The balustrade infill is an aluminium panel consisting of upper and lower horizontal profiles plus vertical profiles that fill the entire surface. The dimensions of the vertical profiles can be chosen according to the aesthetic requirements of the project and are:
20 x 15 mm *(0.79 × 0.59")*, 40 x 15 mm *(1.57 × 0.59")*, 80 x 15 mm *(3.15 × 0.59")*, Mix (Combination of mixed-size profiles 20x15 mm and 40x15 mm).

- The panel is positioned on the outer side of the posts.
- Top-mounted fixing with A4 stainless steel fasteners and certified chemical resin suitable for outdoor use.

3) Maior Evo Stick Plus "C": resistant to 200 kg/m and 300 kg/m *(134 lb/ft and 202 lb/ft)*, consisting of: vertical load-bearing posts fascia-mounted on the balcony, two horizontal cross rails and an upper handrail, all made of extruded aluminium alloy profiles with polyester powder coating conforming to the Qualicoat specification. The balustrade infill is an aluminium panel consisting of upper and lower horizontal profiles plus vertical profiles that fill the entire surface. The dimensions of the vertical profiles can be chosen according to the aesthetic requirements of the project and are:
20 x 15 mm *(0.79 × 0.59")*, 40 x 15 mm *(1.57 × 0.59")*, 80 x 15 mm *(3.15 × 0.59")*, Mix (Combination of mixed-size profiles 20x15 mm and 40x15 mm).

- The panel is positioned on the inner side of the posts.
- Fascia-mounted fixing with A4 stainless steel fasteners and certified chemical resin suitable for outdoor use.

The designer or site manager reserves the right to request resistance testing of the balustrades directly on site, to verify compliance and the validity of the balustrade fixing as installed.

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