HunterDouglas
Architectural

FACADES

SCREEN PANELS _ VENTILATED FACADES _ FOLDING & SLIDING SHUTTERS _ SINGLE SKIN PANELS INSULATED PANELS _ FINISHINGS

HUNTER DOUGLAS PUBLICATIONS

TECHNICAL BOOKS

INTERIOR PRODUCTS: Most people spend over 90% of their time indoors, which means that it is truly important to provide solutions that are an excellent alternative for your interior design projects.

SOLAR CONTROL: Hunter Douglas gives architects the knowledge and skills necessary to integrate sun control systems into their project design work and to work together to improve the aesthetics of façades and provide highly effective protection.

FACADES: Hunter Douglas provides a wide variety of solutions in different materials such as Terracotta, metal or wood that allow architects to design with great freedom to achieve the desired language in relation to shape, texture, transparency and color.

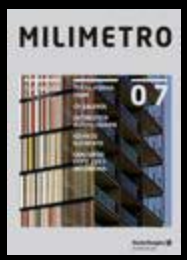
INDUSTRIAL ROOFING AND CLADDINGS: Ideal for industrial applications that require a clean, architectural finish. These are systems of panels that consider a geometry that allows rigidity, load resistance and tightness.

BOOKS

LATAM: Latin American Contemporary Architecture

The Latam Books (LATAM 01 and LATAM 02) are a series of publications that bring together the work of Latin American architects with a selection of 50 projects from five countries in each volume. The editors decided to organize the cases by latitude, bringing together locations within the continent in a transversal manner and allowing the reader to compare and contrast diverse forms of architecture in an unusual way. While the projects belong to dissimilar cultural traditions, they share climatic-geographic variables that connect them.

JOURNALS





MILÍMETRO is a Latin American magazine that includes works that stand out because of their architectural innovation and design. The privileged situation of Latin America today offers a great deal of potential for dissemination and research. The region has become a focus of cultural development which has generated very complex cultural processes that intersect at a time of redefinition. The journal Milímetro seeks to capture these situations and position topics of current interest, presenting new architectural experiences from the region.

MM07 /Facades
MM06 / Latin American Young Architects
MM05/ Cultural Spaces
MM04/ Sports Infrastructure
MM03/ Office Architecture
MM02/ Residential
MM01/ Education

FACADES

HunterDouglas
Architectural

Hunter Douglas is a world leader in architectural products. Our tradition of bringing innovative solutions to the market makes us the ideal company for a broad range of interior and exterior façades, suspended ceilings, and sun control solutions. We are always seeking out, testing and developing new concepts and products that allow us to meet increasingly stringent regulations and serve as a positive influence in the world of design, architecture, and building sustainability. Based on the client's specifications, we work with architects, designers and builders to manage light, heat and sound. Our experience in customization, manufacturing, installation and technical support allows us to offer exceptional products with our hallmark design, performance and exceptional durability.

In addition to considering functional aspects such as efficiency, energy, lighting, ventilation, and weather protection, building envelopes express the language that the architect chooses to ensure that the project has the best possible fit with its surroundings. Hunter Douglas façade products offer a wide range of solutions in materials such as terracotta, metal and wood that allow the architect to design freely in the language that they wish to use in regard to form, texture, transparency and color.

HUNTER DOUGLAS, A WORLD OF INNOVATION

132
COMPANIES

101
ASSEMBLY PLANTS

68
MANUFACTURING PLANTS

22.750
EMPLOYEES AROUND THE WORLD

100
COUNTRIES

Hunter Douglas is the global leader in the manufacture of architectural products including innovative window treatment systems, sun control, walls and ceilings, and façades. Our main products include:

- Roller shades and screen shades
- Exterior Venetian blinds
- A wide range of shading systems for windows
- Automated and customized shading systems
- Suspended ceilings
- Wall panels
- NBK Terracotta façades
- Metal Quadroclad façades
- 3form resin panels

HUNTER DOUGLAS' PRESENCE IN LATIN AMERICA

Hunter Douglas Latin America operations:
- Argentina (26 years)
- Brazil (51 years)
- Chile (56 years)
- Colombia (61 years)
- Mexico (41 years)

HUNTER DOUGLAS LATIN AMERICA EXPORT DISTRIBUTION NETWORK

Bolivia, Costa Rica, Dominican Republic, Guatemala, Honduras, Nicaragua, Panama, Paraguay, Peru, Uruguay and Venezuela.

OUR STORY

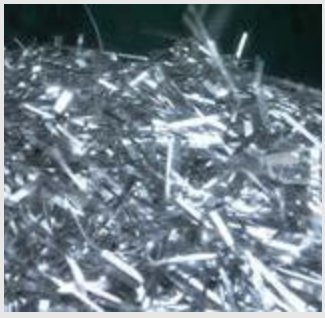
Hunter Douglas was built on the basis of recycled aluminum. In 1940, company founder Henry Sonnenberg emigrated from Holland to the United States, where he founded the Douglas Machinery Corporation. A few years later, he started working with inventor Joe Hunter, who had recently invented the continuous casting and machining of aluminum. This gave rise to the production of lightweight aluminum lamella for blinds.

DEVELOPMENT OF CEILINGS

Based on this unique aluminum casting system and the development of laminating and stamping systems, Henry and Joe were pioneers in the development of aluminum blinds. Together, they created the Hunter Douglas company that we know today. In 1962, the company began to manufacture linear metallic ceilings, creating a standard system that has evolved and generated a wide range of products for all kinds of projects.

GLOBAL PRESENCE

Today, many Hunter Douglas operations continue to focus on aluminum recycling. The company has a recycling plant, casting oven and continuous caster in Rotterdam, Holland. From there, the company operates manufacturing and distribution plants in over 100 countries with installations in thousands of projects around the world.



SUSTAINABILITY

Hunter Douglas is on the cutting edge of the development of ideas for sustainable products. We seek to simplify assembly, improve production processes and eliminate waste while reducing the maintenance of our own operations. We also partner with organizations such as the US Green Building Council (USGBC) and the Green Building Initiative (GBI) to generate a positive impact on every phase of the construction industry.

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FOLDING & SLIDING SHUTTERS

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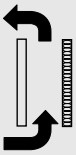
SYMBOLS

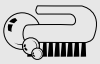
Hunter Douglas uses a series of simple icons to clearly identify the main attributes of our products. This system allows us to provide essential information and makes it easier to understand the technical specifications. The symbols are explained below and appear at the top of our new technical sheets.

OPERABLE



VENTILATED FACADE

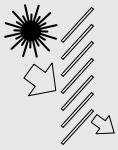
ENERGY SAVING



CLEANING

LEED POINTS

MOISTURE RESISTANT



SHADING

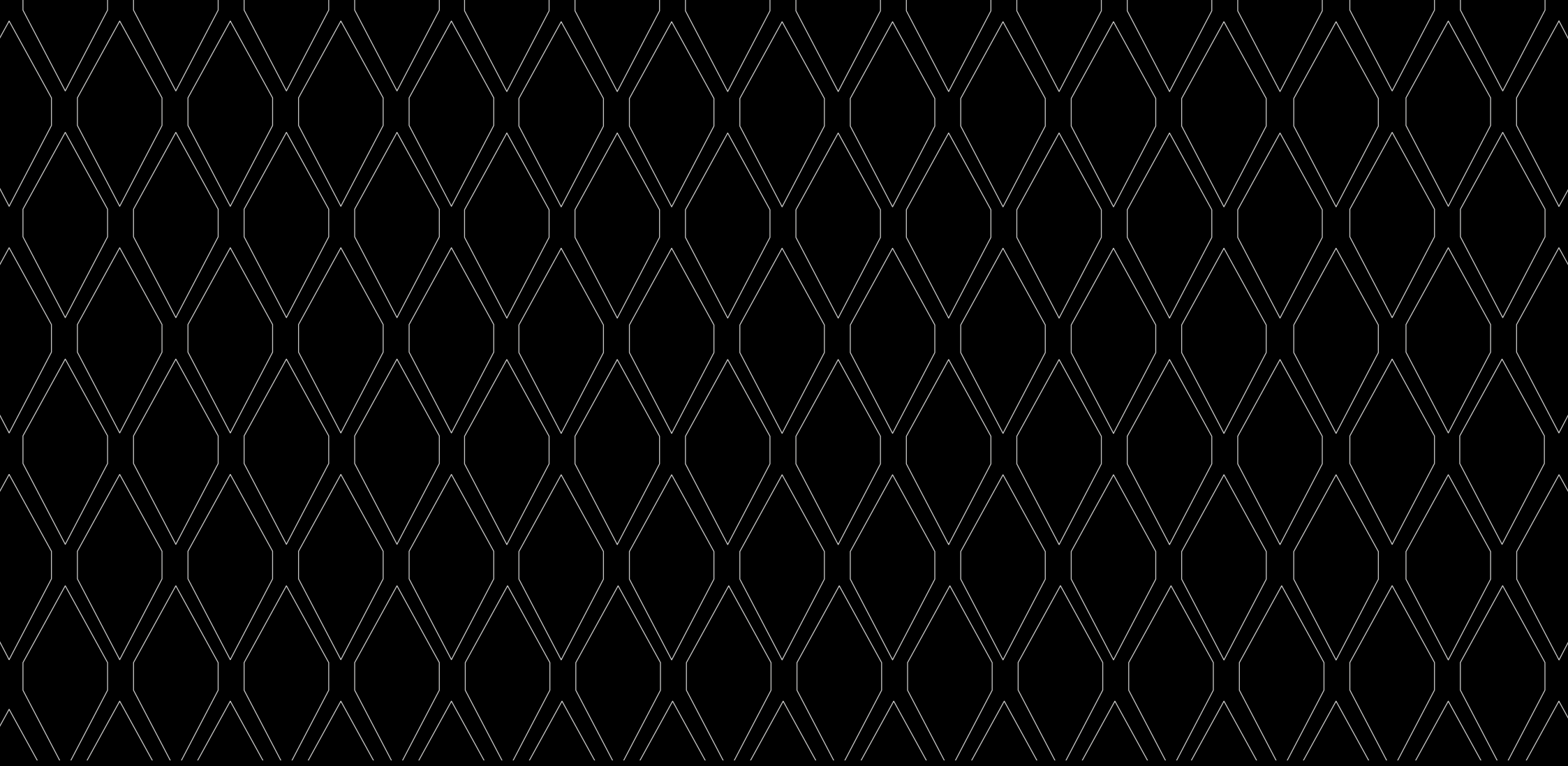
COLOR PALETTE

AVAILABILITY OF MATERIALS

RECYCLING

FACADES										
SCREENPANEL J - C- XL - XL W		✓	✓	✓	✓	✓	✓	✓	✓	✓
METALSCREEN		✓	✓	✓	✓	✓	✓	✓	✓	✓
GKD		✓	✓	✓	✓		✓	✓	✓	
STRIPSCREEN		✓	✓	✓	✓		✓	✓	✓	✓
STRIPWEAVE		✓	✓	✓	✓		✓	✓	✓	✓
WINDSCREEN		✓	✓	✓	✓		✓	✓	✓	✓
NBK		✓	✓	✓		✓	✓	✓	✓	✓
QUADROCLAD - QUADROGLASS - QUADROCLAD S25-S14		✓	✓	✓	✓	✓	✓	✓	✓	✓
FOLDING & SLIDING SHUTTERS	✓	✓	✓	✓	✓		✓	✓	✓	✓
TEXSCREEN		✓	✓	✓	✓		✓	✓		✓
GEOCLAD		✓	✓	✓	✓	✓	✓	✓	✓	✓
QUADROLINES		✓	✓	✓	✓	✓	✓	✓	✓	✓
MINIWAVE		✓	✓	✓	✓	✓	✓	✓	✓	✓
SOFTWAVE		✓	✓	✓	✓	✓	✓	✓	✓	✓
UVELINE		✓	✓	✓	✓	✓	✓	✓	✓	✓
MULTIPANEL		✓	✓		✓	✓	✓	✓	✓	✓
FS CLADDING		✓	✓		✓	✓	✓	✓	✓	✓
M CLADDING		✓	✓		✓	✓	✓	✓	✓	✓
SL PANELS		✓	✓	✓	✓	✓	✓	✓	✓	✓
CD 408 PANEL		✓	✓		✓	✓	✓	✓	✓	✓
84R CLADDING		✓	✓	✓	✓	✓	✓	✓	✓	✓
TIMBERLINE		✓	✓		✓	✓	✓	✓	✓	✓
PYRAMID		✓	✓		✓	✓	✓	✓	✓	✓
SIDEWALL		✓	✓	✓	✓	✓	✓	✓	✓	✓

SYMBOLS



SCREENPANELS

SCREENPANEL

SCREENPANEL
Facades | Screen panels

ScreenPanel is a single skin product that can be used to clad facades. It can be installed vertically or horizontally. The product is unique in that it can be perforated using numerical control laser technology cutting based on figures or using random perforations that the client can create, giving excellent flexibility.

There are five types of ScreenPanel depending on the type of application:

- ScreenPanel G: Vertical application
- ScreenPanel J: Horizontal application
- ScreenPanel C: Vertical or horizontal application with 10 mm open joint
- ScreenPanel XL: Large format application in aluminum or galvanized steel
- ScreenPanel XL-W: Large format application in aluminum or galvanized steel with a W-shaped panel

TECHNICAL DESCRIPTION

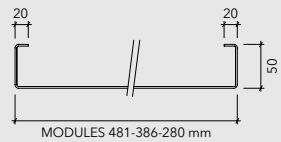
SCREENPANEL G, J and C

PRODUCT	MATERIAL	MODULE (mm)	MAX. LENGTH (mm)	THICKNESS (mm)	WEIGHT (km/m²)
SCREENPANEL G - J - C	ZINCALUM	481	4000	1	10.06
		386		0.8	8.46
		280		0.8	9.23
	ALUMINUM	481		1.5	5.19
		386		1	3.63
		280			3.97
	COPPER	481		1.5	16.90
		386		1	11.84
		280			12.93
	CORTEN STEEL	481		1.9	19.12
		386		1	10.57
		280			11.54

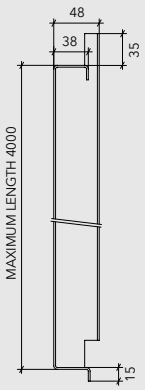
Note: The thickness will depend on the type of perforation and open area of the panel.

SCREENPANEL G

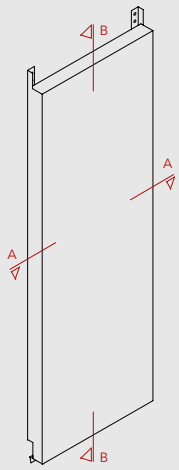
SECTION A



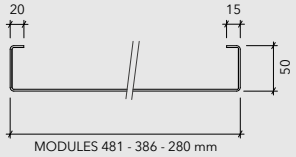
SECTION B



SCREENPANEL J



SECTION A



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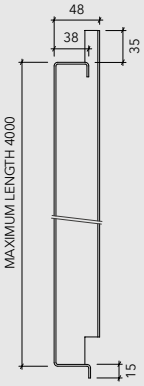
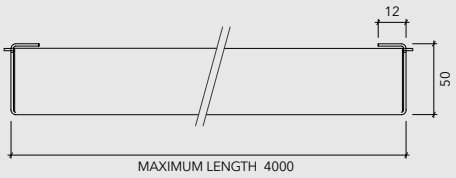
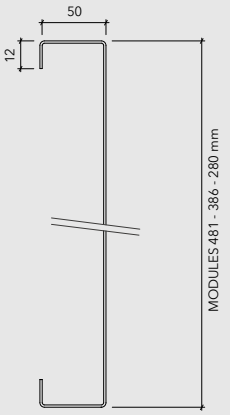


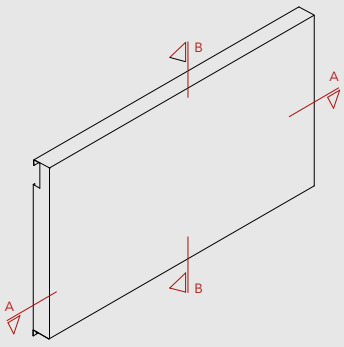
SECTION A



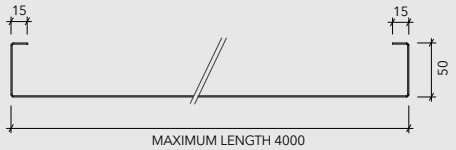
SECTION B



SCREENPANEL C



SECTION A



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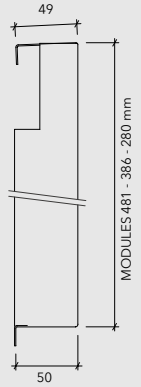
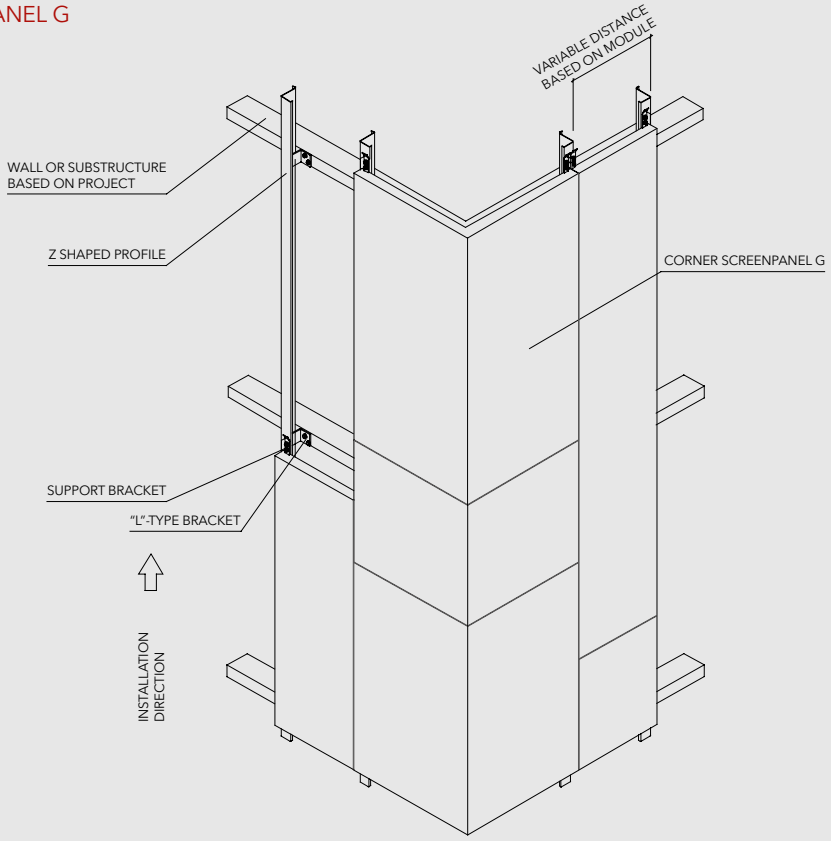


INSTALLATION

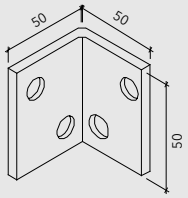
SCREENPANEL G

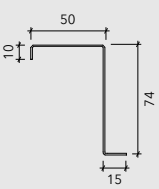


- Material: Aluminum, zincalum, corten steel and copper
- Thickness: 1.9 mm, 1.5 mm, 1 mm, 0.8 mm
- ScreenPanel G, J, C Colors: Over 100 standard colors and special colors available
- Finish: Perforated or unperforated
- Uses: Cladding
- Maximum length: ScreenPanel J: 4 m
  ScreenPanel C and G: 4 m
- Consumption (ml/m²): Depends on the module

COMPONENTS

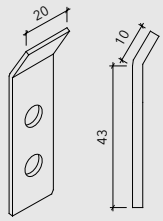
"L"-TYPE BRACKET
3 mm GALVANIZED STEEL



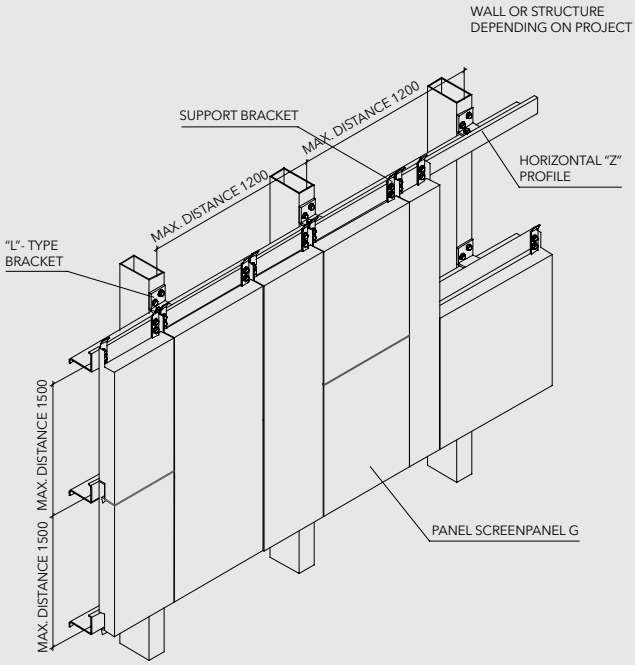


PERFIL Z SCREENPANEL
1,5 mm ZINCALUM

2 mm ZINCALUM SCREENPANEL
BRACKET GUIDE

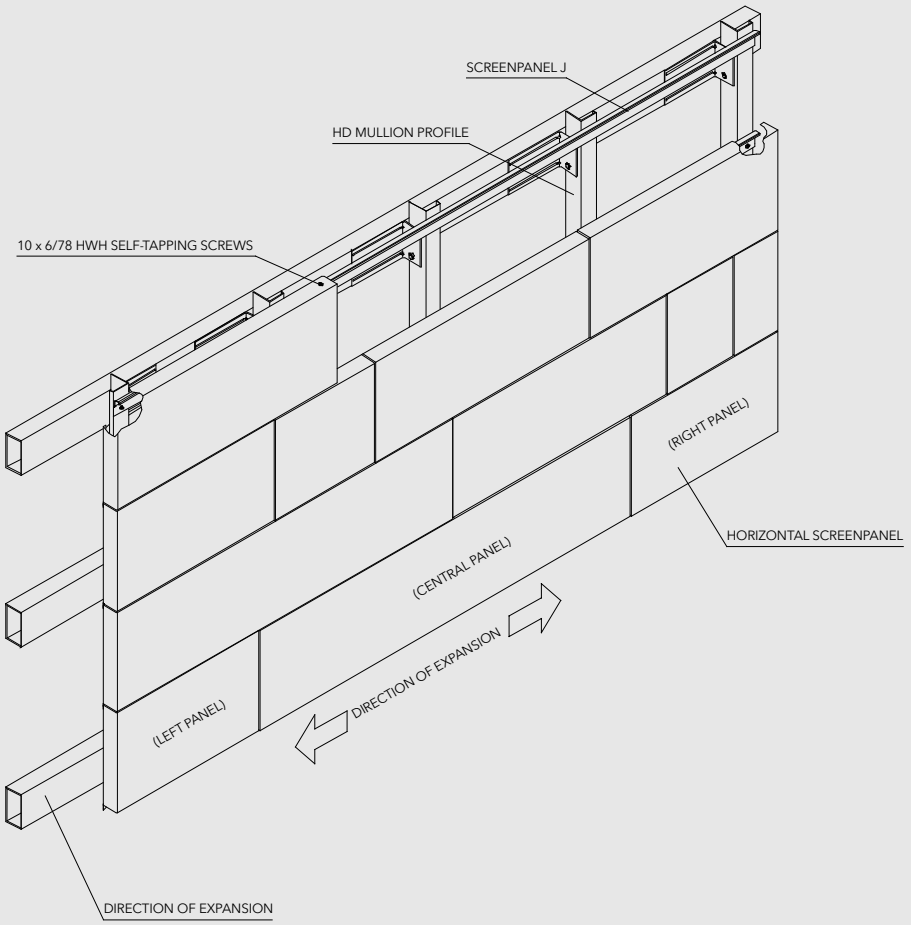


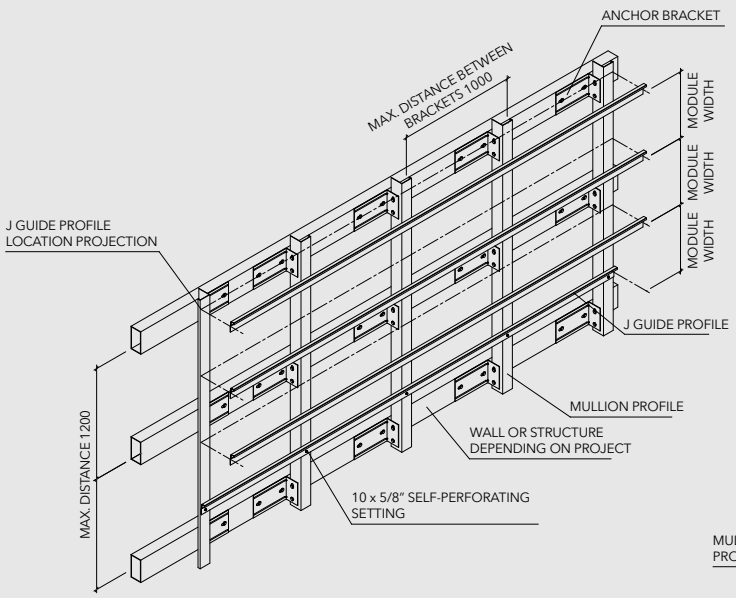
OPTION: HORIZONTAL BRACKET

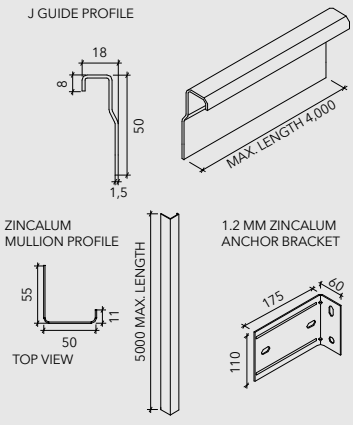


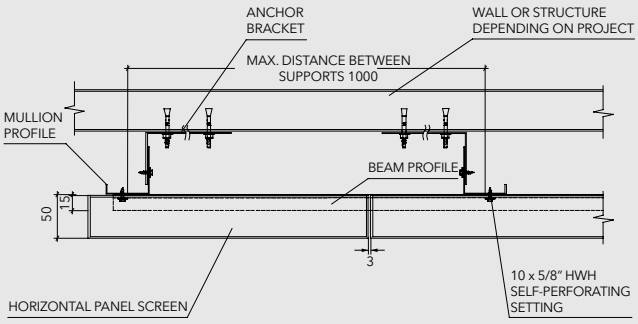
INSTALLATION

SCREENPANEL J

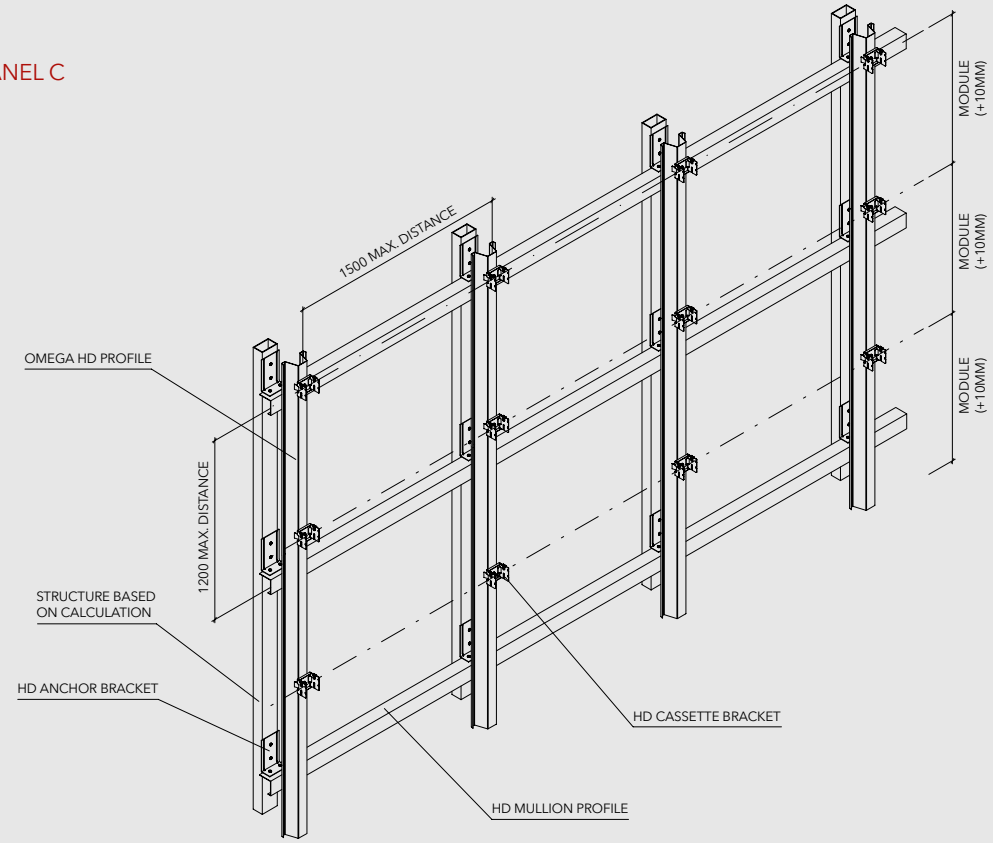








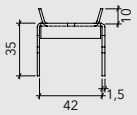
SCREENPANEL C



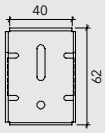
COMPONENTS

1.6 MM GALVANIZED STEEL CASSETTE SCREENPANEL BRACKET

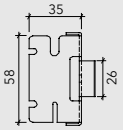
TOP VIEW



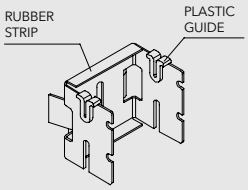
FRONT VIEW



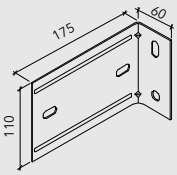
SIDE VIEW



8 MM PLASTIC GUIDE

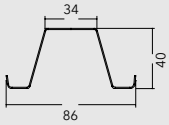


1.2 MM ZINCALUM ANCHOR BRACKET



0.85 MM GALVANIZED STEEL HD OMEGA PROFILE

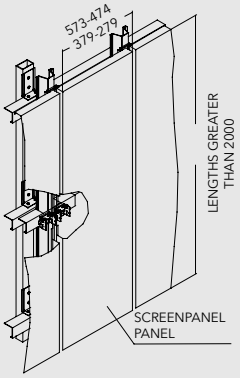
TOP VIEW

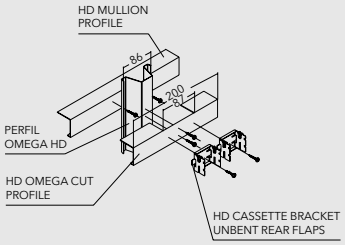


ZINCALUM HD MULLION PROFILE

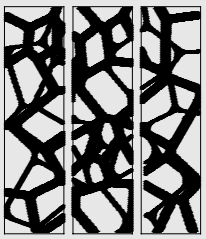
TOP VIEW

CENTRAL PANEL ISOMETRIC VIEW SCREENPANEL C VERTICAL INSTALLATION

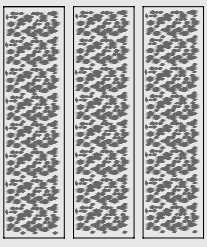




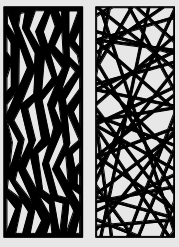
PERFORATIONS



CUSTOMIZED PERFORATION PATTERN



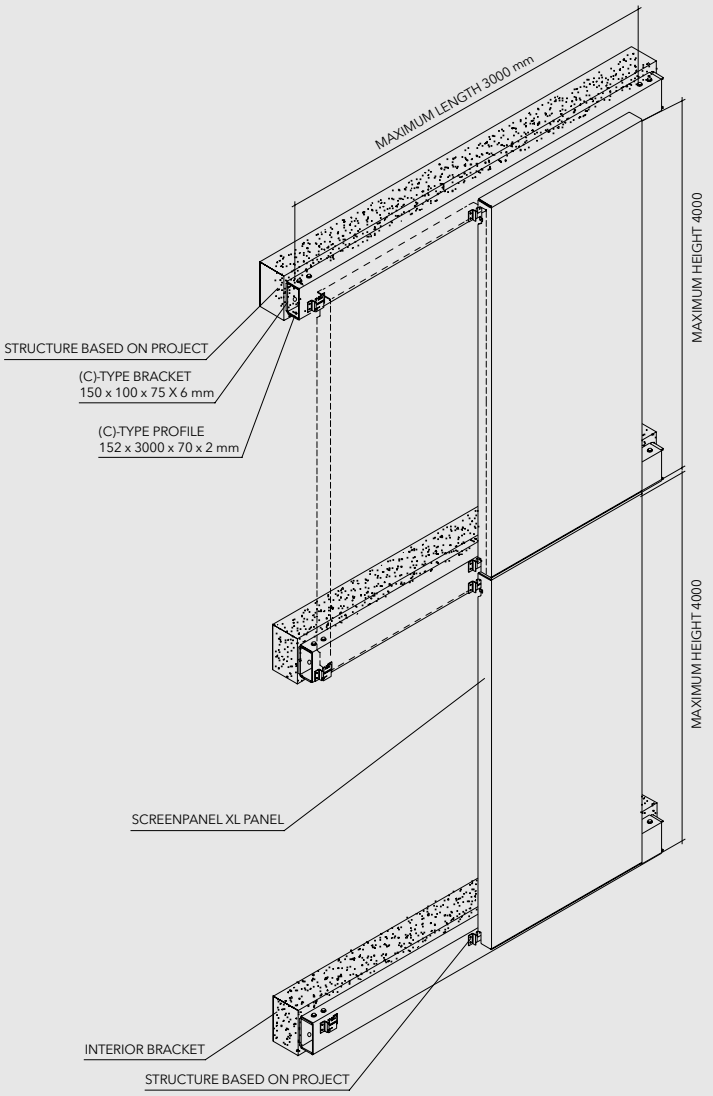
420 RANDOM PERFORATED PATTERN



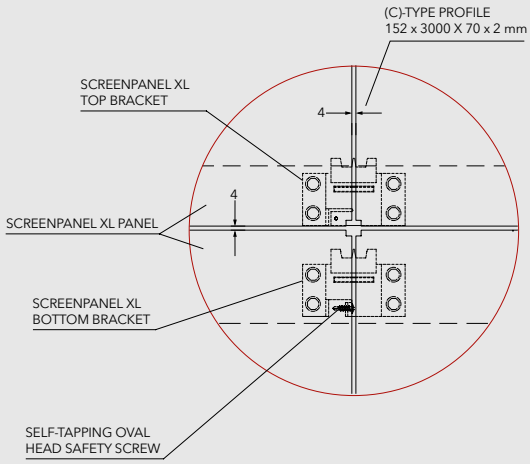
CUSTOMIZED LASER CUTTING

INSTALLATION

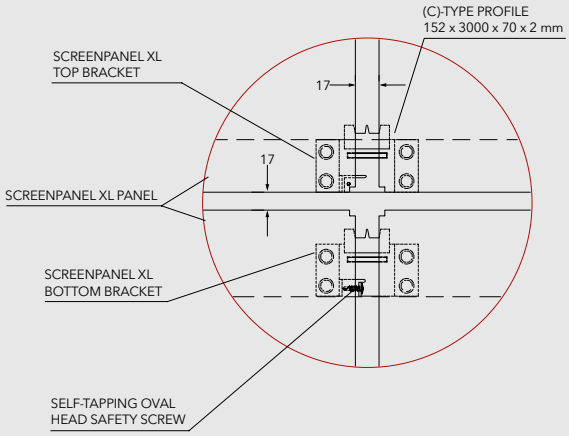
SCREENPANEL XL



OPTION WITH 4 mm GAP

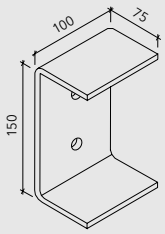


OPTION WITH 10 mm GAP

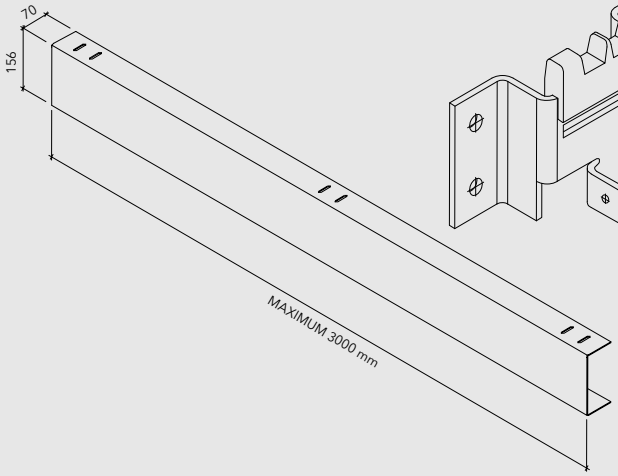


COMPONENTS

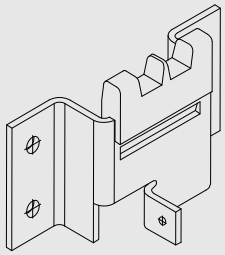
6 mm GALVANIZED STEEL "C" - TYPE BRACKET



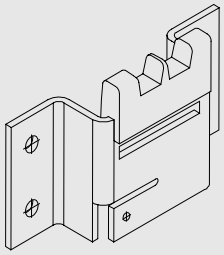
2 mm GALVANIZED STEEL "C" - TYPE PROFILE

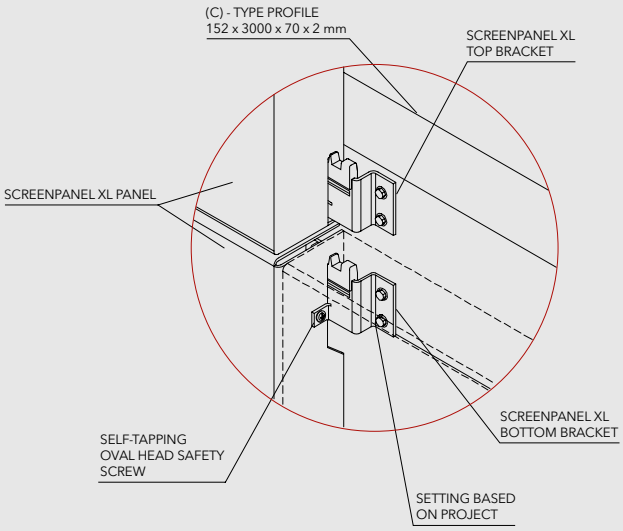


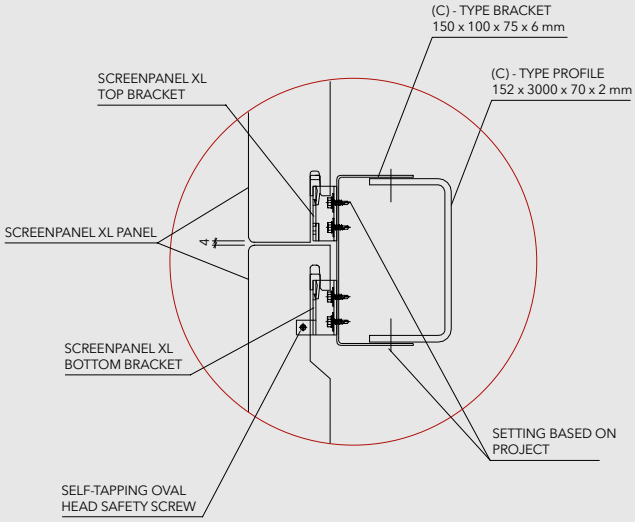
TOP BRACKET



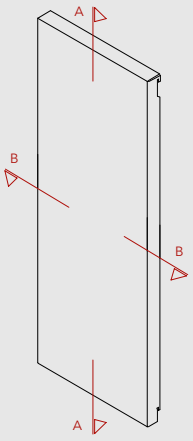
2 mm GALVANIZED STEEL BOTTOM BRACKET





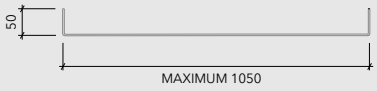


SCREENPANEL XL



A SECTION

B SECTION



TECHNICAL DESCRIPTION

SCREENPANEL XL

PRODUCT	MATERIAL	MAX. MODULE (mm)	MAX. LENGTH (mm)	THICKNESS (mm)	WEIGHT (kg/m^2)
SCREENPANEL XL	ALUMINUM	1050	4000	3	9.23
	GALVANIZED STEEL	1050	4000	2	17.89
	CORTEN STEEL	1050	4000	1.9	16.99

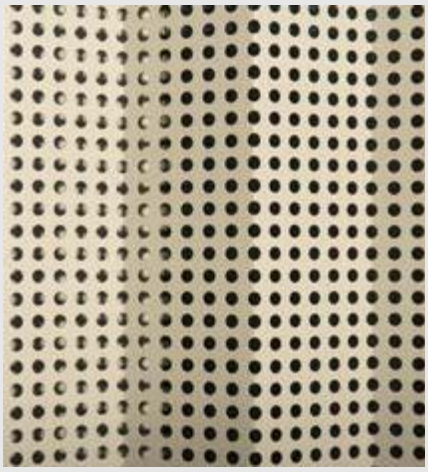
- Material: Aluminum, galvanized steel, corten steel
- Thickness: 3 mm, 2 mm, 1.9 mm
- ScreenPanel XL Colors: Based on powder coating color menu
- Finish: Smooth or perforated
- Uses: Lining
- Maximum length: 4 m
- Yield: Depends on the module

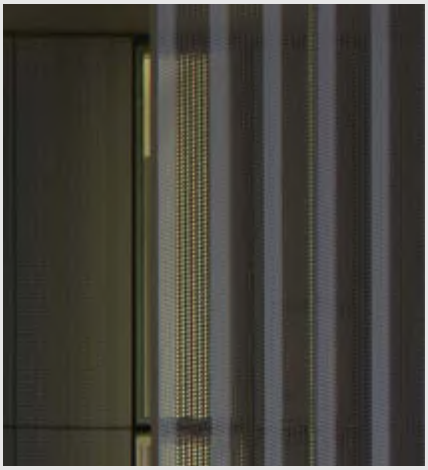
SCREENPANEL XL

Facades | Screen panels

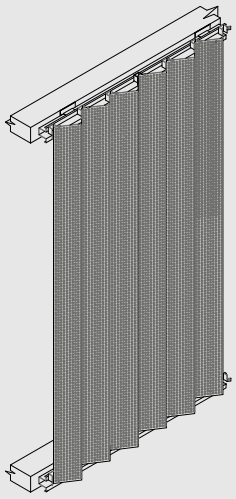
SCREENPANEL XL W

Facades | Screen panels





ScreenPanel XL-W is a single skin product that can be used to clad facades. It is installed vertically and is made out of a high-thickness 1200 mm wide aluminum plate bended into isosceles triangles in an 880 mm module and a maximum development of 1200 mm. This product can be perforated up to 45% of open area on one or two faces of each triangle.



TECHNICAL DESCRIPTION

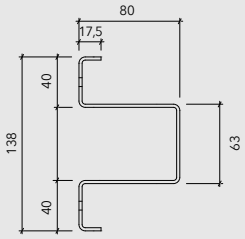
PRODUCT	MATERIAL	MODULE (mm)	MAX. LENGTH . (mm)	THICKNESS (mm)	WEIGHT (kg/m^2)
SCREENPANEL XL - W	ALUMINUM	880	4000	3	11.04
	GALV. STEEL	880	4000	2	21.4

- Material: Aluminum, galvanized Steel
- Thickness: Al. 3mm/ GS 2 mm
- Uses: Cladding
- Finish: Perforated or unperforated
- Yield: Varies depending on module
- Max. Module: 4000 x 880 mm
- Colors: Based on powder coating color chart

COMPONENTS

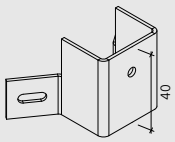
OMEGA PROFILE OUTSIDE OF THE SLAB

Galvanized Steel 2 mm powder coating



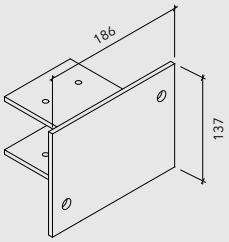
BRACKET

Galvanized Steel 2 mm powder coating

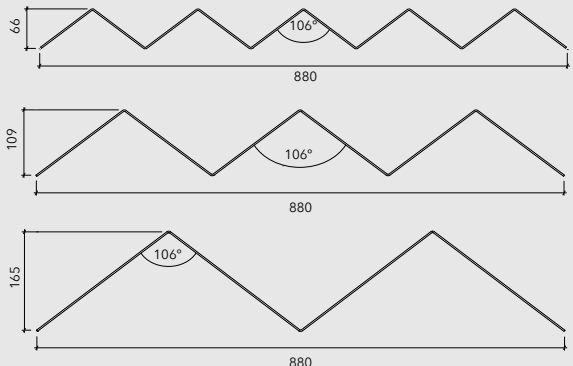


LEVELING BRACKET

Galvanized steel powder coating

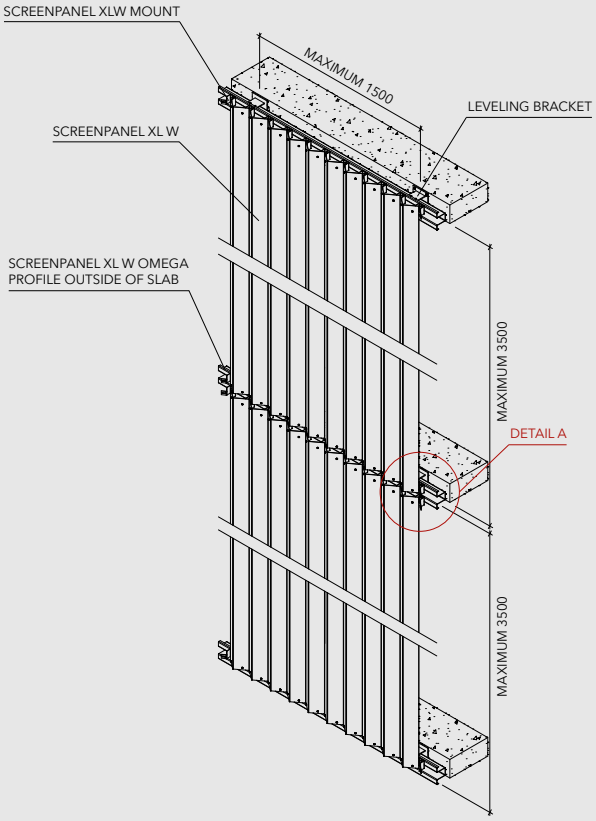


GEOMETRY DESIGNS

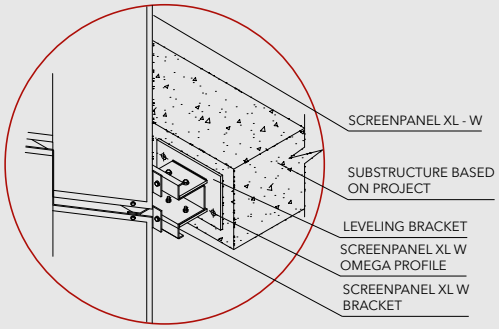


Please contact the technical department for other modulations.

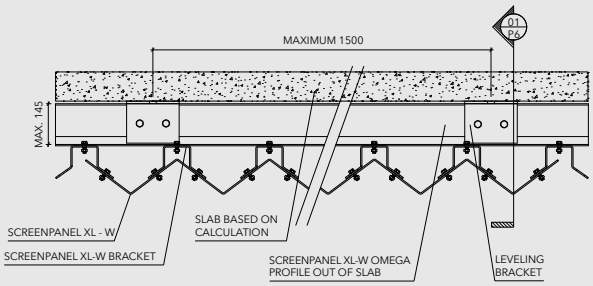
INSTALLATION



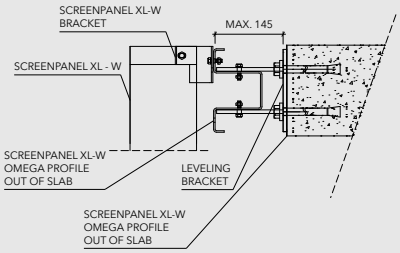
DETAIL A



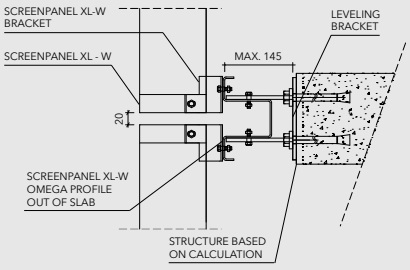
SLAB FRONTAL SOLUTION PLAN VIEW



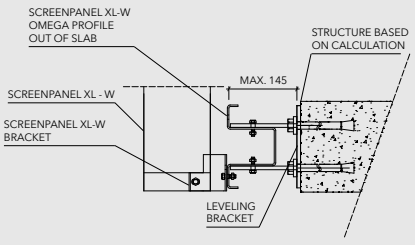
UPPER PANEL



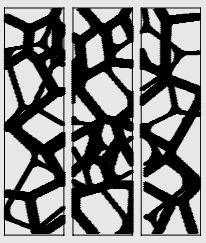
JOINT BETWEEN PANELS



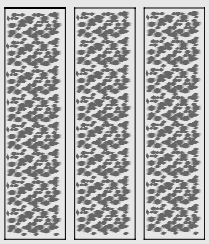
LOWER PANEL



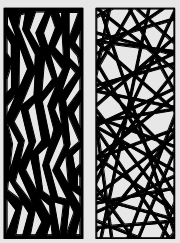
PERFORATIONS



CUSTOMIZED PERFORATION PATTERN



420 RANDOM PERFORATED PATTERN



CUSTOMIZED LASER CUTTING

Note: The components of the product on this sheet are constantly subject to innovation and development, and may be subject to change. The measurements listed on this technical sheet are expressed in millimeters (mm). In order to ensure that the product functions properly, installation should always be completed by an authorized distributor using all of the accessories identified in accordance with Hunter Douglas technical specifications.

METALSCREEN
Facades | Screen panels

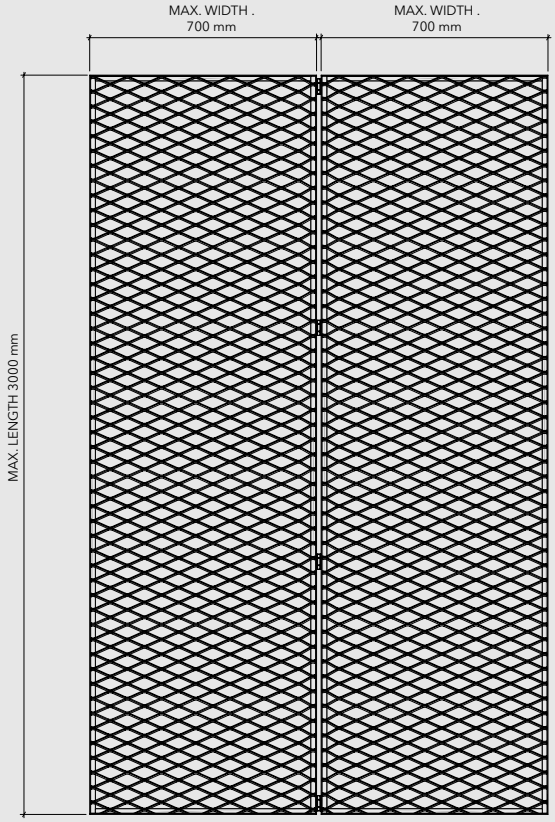
MetalScreen is a line of products that can be used on cladding, ceilings, louvres and architectural applications in general. This material combines the transparency benefits of a membrane with the mechanical resistance of metal. In contrast to electro-welded mesh or weaves, this product is formed using expanded material that does not have joints in its weave, creating a monolithic element that can be adjusted based on the desired design and weave with a minimum thickness of 0.5 mm and a maximum of 3 mm.

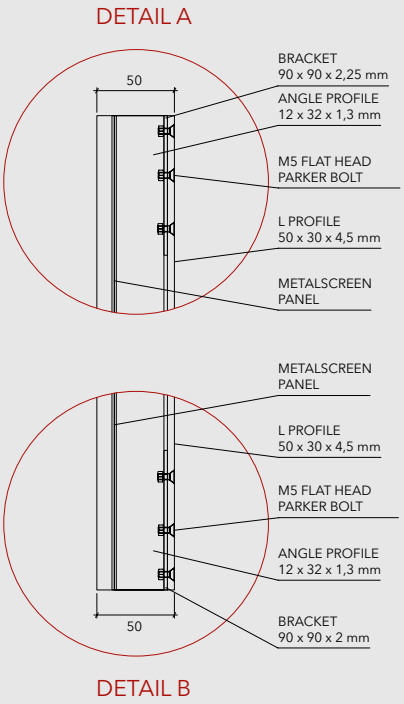
Due to its geometric qualities, MetalScreen can be used to create surfaces with texture and movement, thus favoring both volumetric design and thermal and light comfort based on the sun control role that it plays. The product can be used to achieve a versatile and functional layer that can generate shade and ventilation that contribute to energy savings.

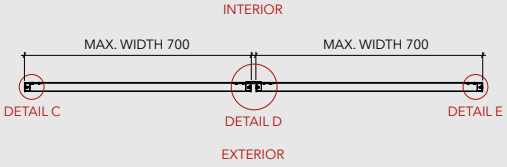
TECHNICAL DESCRIPTION

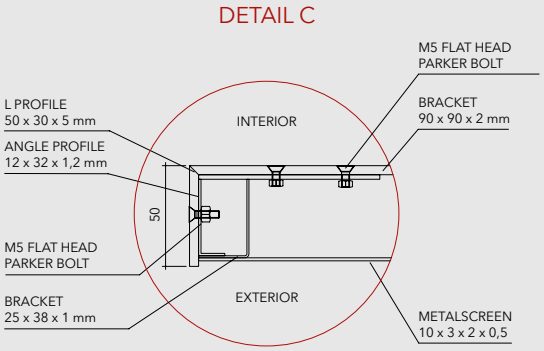
- Uses: Facades, ceilings and louvres
- Lengths: The lengths vary based on project needs
- Colors: Powder coating
- Materials: Zincalum, aluminum. The Engineering Department must approve the use of other materials

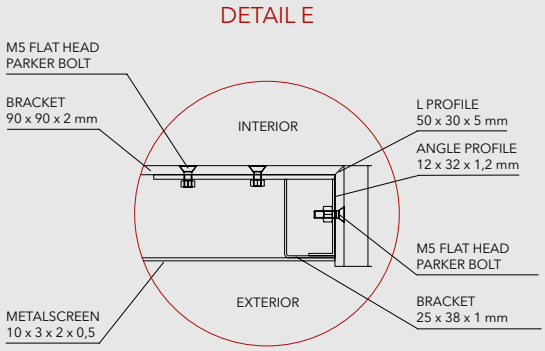
FOLDING SHUTTER SYSTEM INSTALLATION

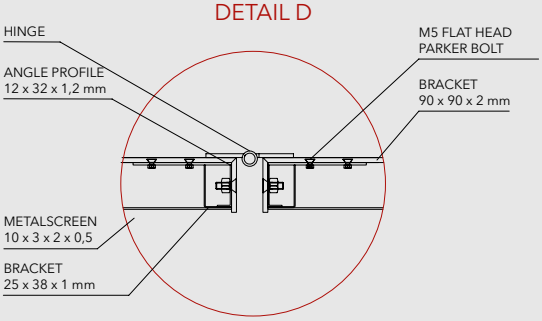






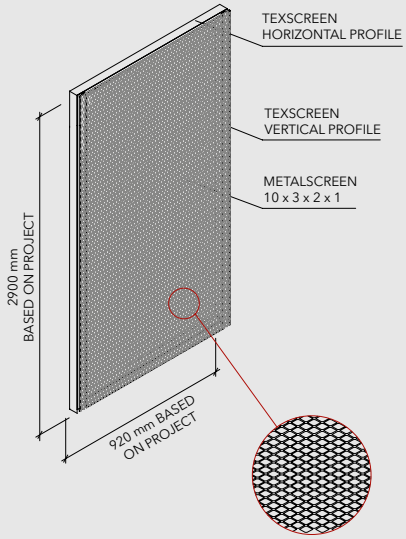






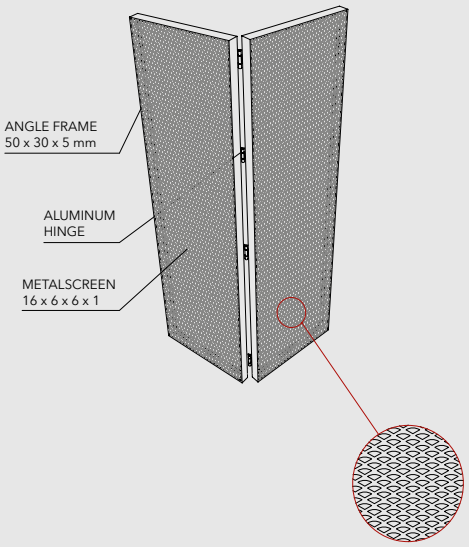
METALSCREEN SLIDING SYSTEM

ISOMETRIC
METALSCREEN MODULE WITH TEXSCREEN FRAME

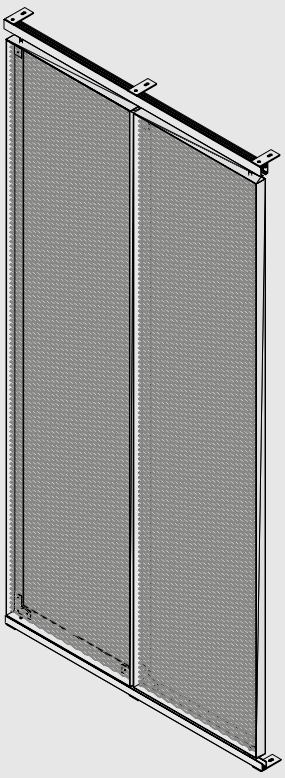


METALSCREEN FOLDING SYSTEM

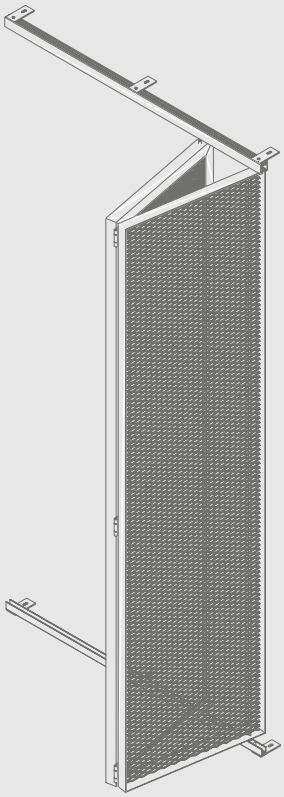
ISOMETRIC
METALSCREEN MODULE IN
50 x 30 x 5 MM ANGLE FRAME



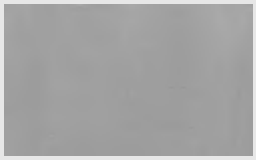
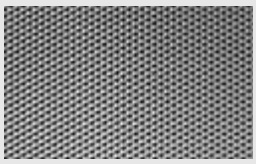
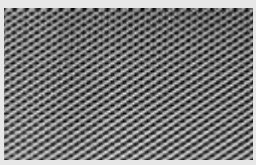
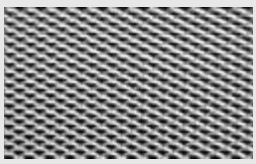
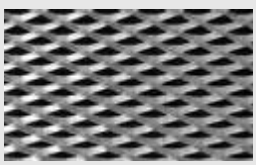
CLOSED METALSCREEN FOLDING SYSTEM

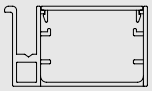
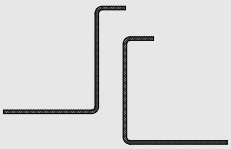
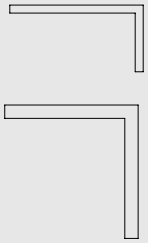
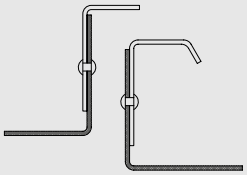
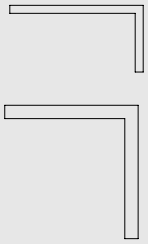
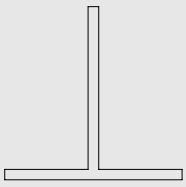
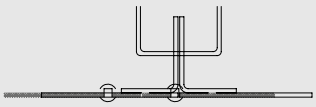


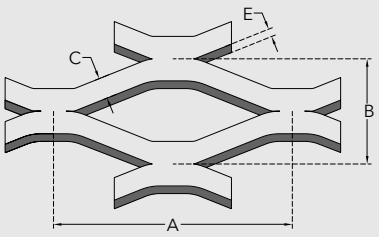
OPEN METALSCREEN FOLDING SYSTEM



FINISHES AND RHOMBUS ALTERNATIVES

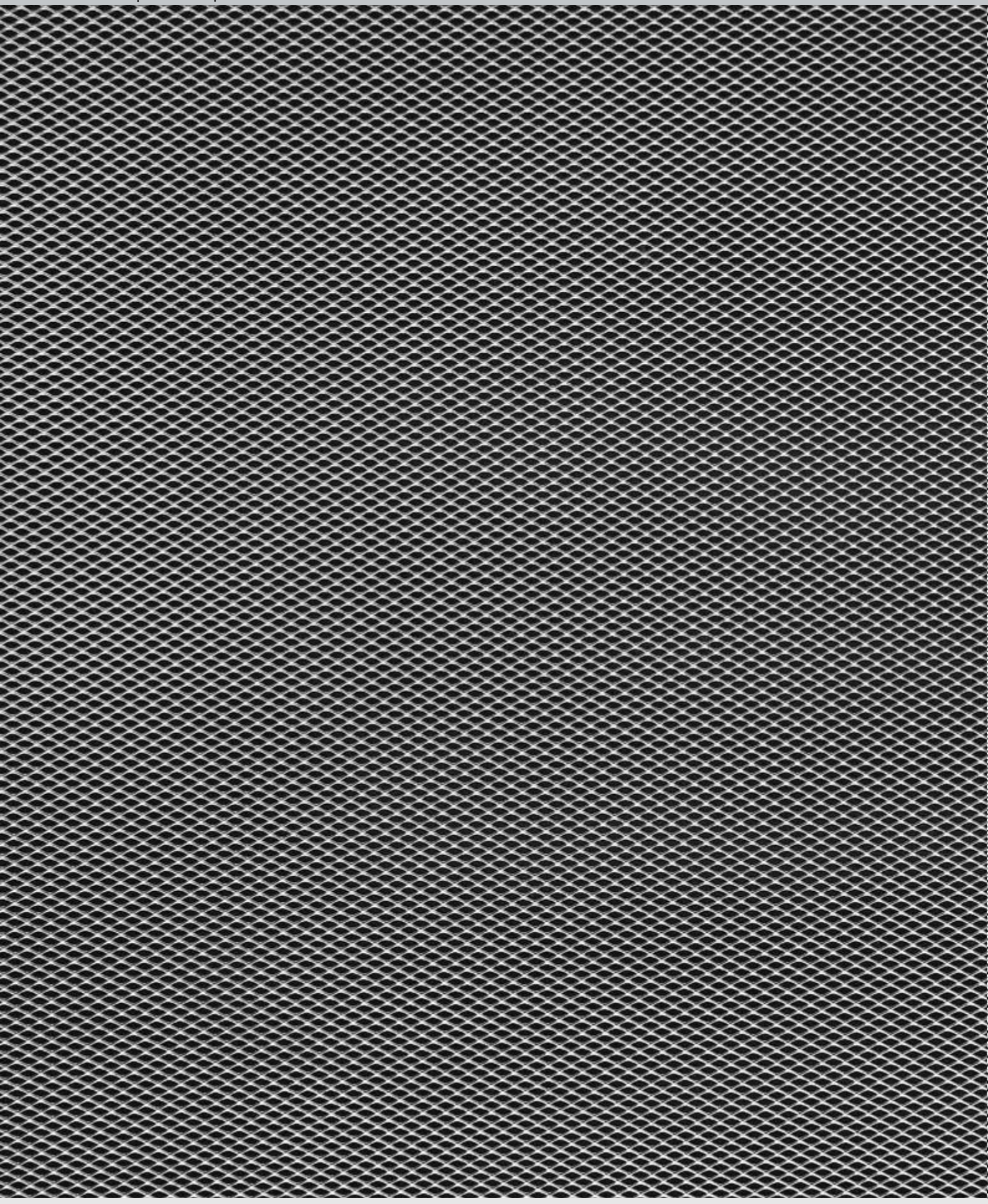
MODEL		TYPE	WEAVE	NAME	A (mm)	B (mm)	C (mm)	E (mm)	% APPROX. OPEN AREA	MATERIAL	WEIGHT (kg/m²)
1	COLÓN		FINE	6 x 3 x 0,7 x 0,5	6	3	0,7	0,5	31	ZINCALUM	1,9
										ALUMINIUM	0,6
2	TOLUCA		FINE	3 x 2 x 0,5 x 0,5	3	2	0,5	0,5	46	ZINCALUM	2,0
										ALUMINIUM	0,6
3	FINE CALI		FINE	10 x 5 x 1 x 1	10	5	1	1	56	ZINCALUM	3,2
										ALUMINIUM	1
4	MEDIUM CALI		MEDIUM	10 x 5 x 2 x 0,8	10	5	2	0,8	19	ZINCALUM	5,10
										ALUMINIUM	1,50
5	AREQUIPA		MEDIUM	16 x 11 x 3 x 2	16	11	3	2	43	ZINCALUM	8,7
										ALUMINIUM	2,60
6	RÍO		THICK	28 x 14 x 4,5 x 2	28	14	4,5	2	33	ZINCALUM	10,3
										ALUMINIUM	3,1
7	IGUAZÚ		THICK	42 x 13 x 4,5 x 2	42	13	4,5	2	28	ZINCALUM	11,1
										ALUMINIUM	3,3
8	CÓRDOBA		THICK	62 x 27 x 9 x 2	62	27	9	2	32	ZINCALUM	10,7
										ALUMINIUM	3,2
9	PUCÓN		THICK	70 x 30 x 10 x 2	70	30	10	2	31	ZINCALUM	10,7
										ALUMINIUM	3,2

APPLICATION	FRAME TYPE	FOLD TYPE
SLIDING & FOLDING SHUTTERS	 FABRIC	 DOUBLE
SLIDING & FOLDING SHUTTERS	 ANGLE PROFILES	 SIMPLE
SLIDING & FOLDING SHUTTERS CLADDING	 ANGLE PROFILES  T PROFILES	 NO FOLD



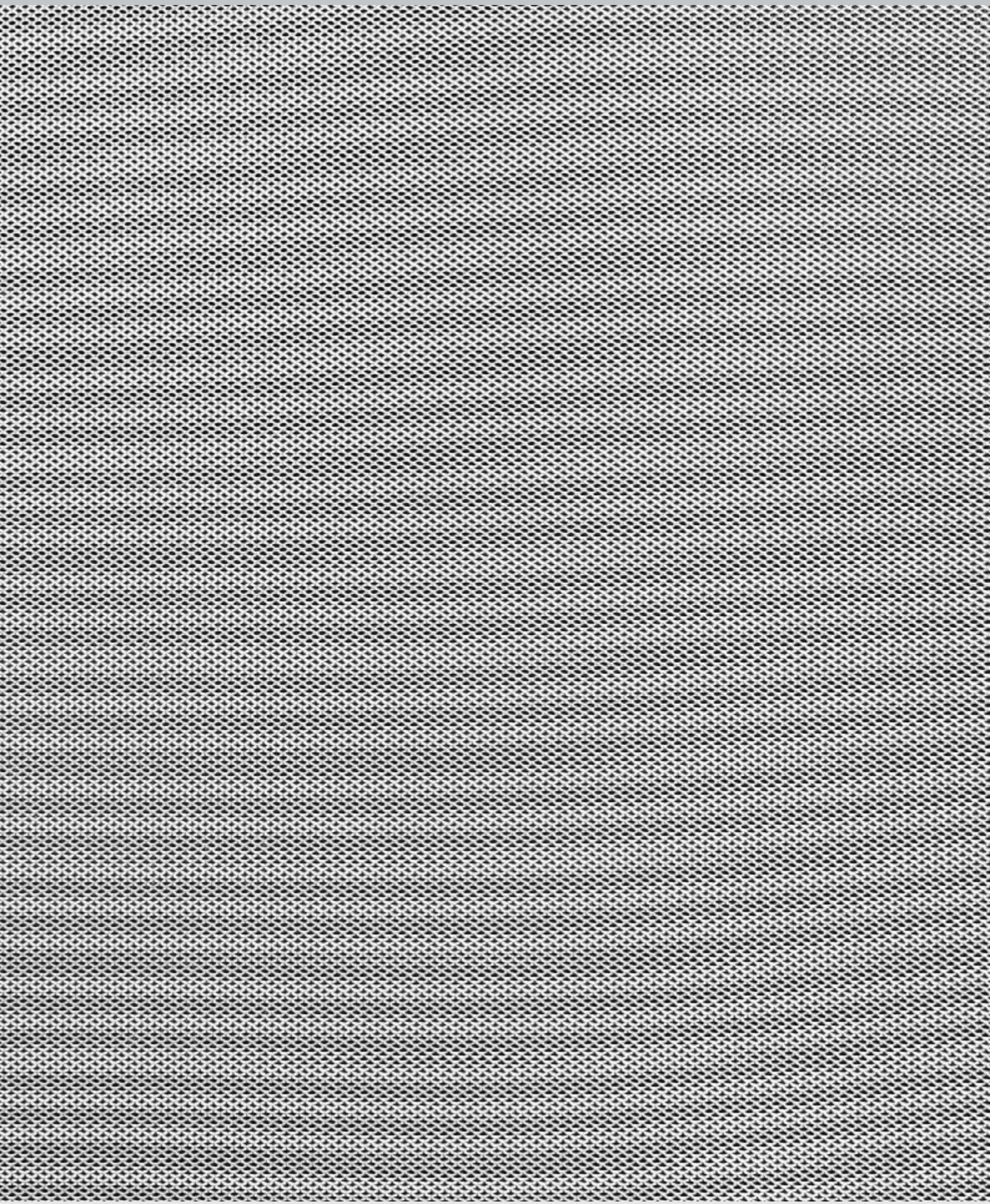
A: Rhombus width
B: Rhombus height
C: Width of metallic portion between rhombuses
D: Material thickness

METALSCREEN
Facades | Screen panels



COLÓN

Scale 1:1

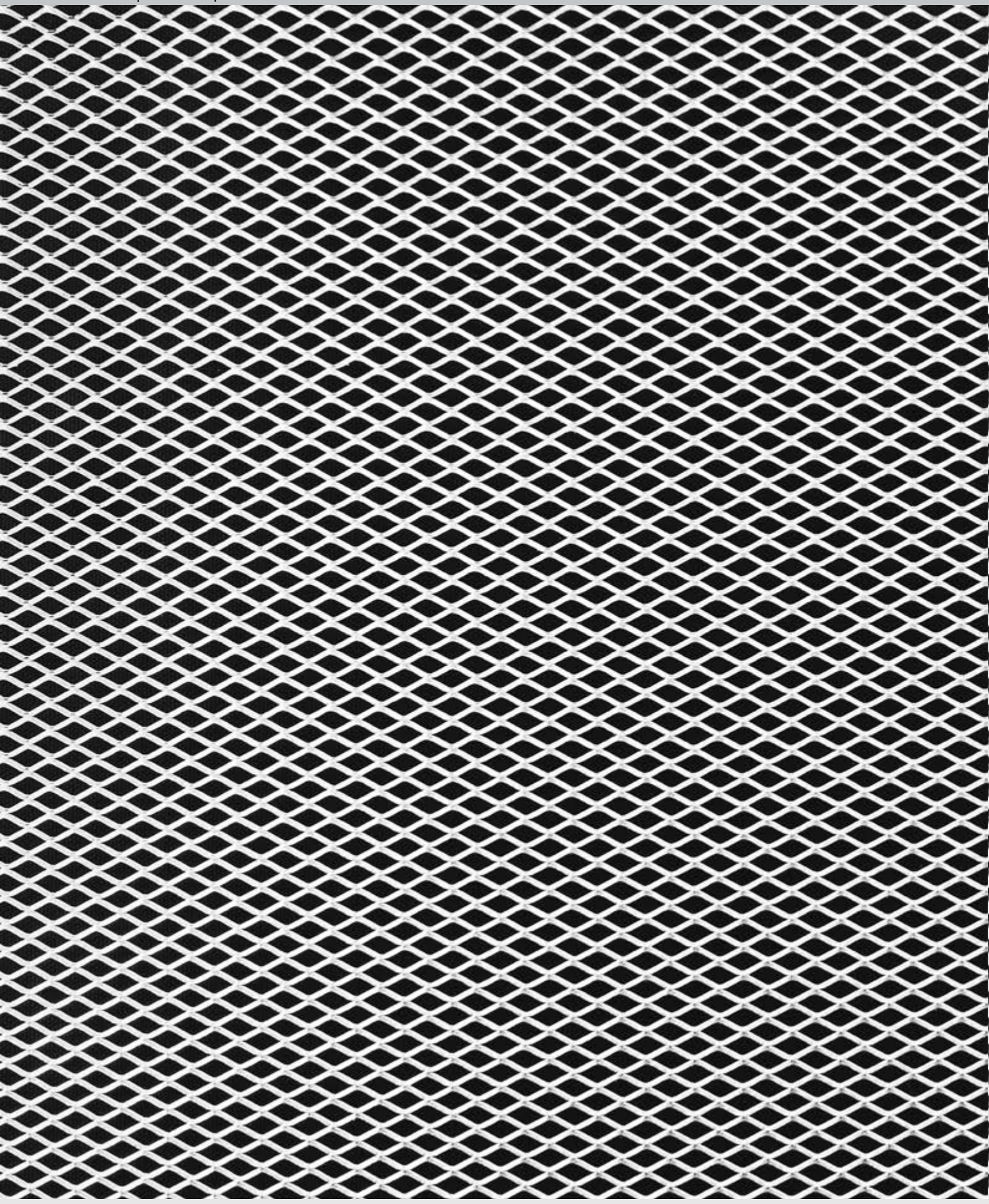


TOLUCA

Scale 1:1

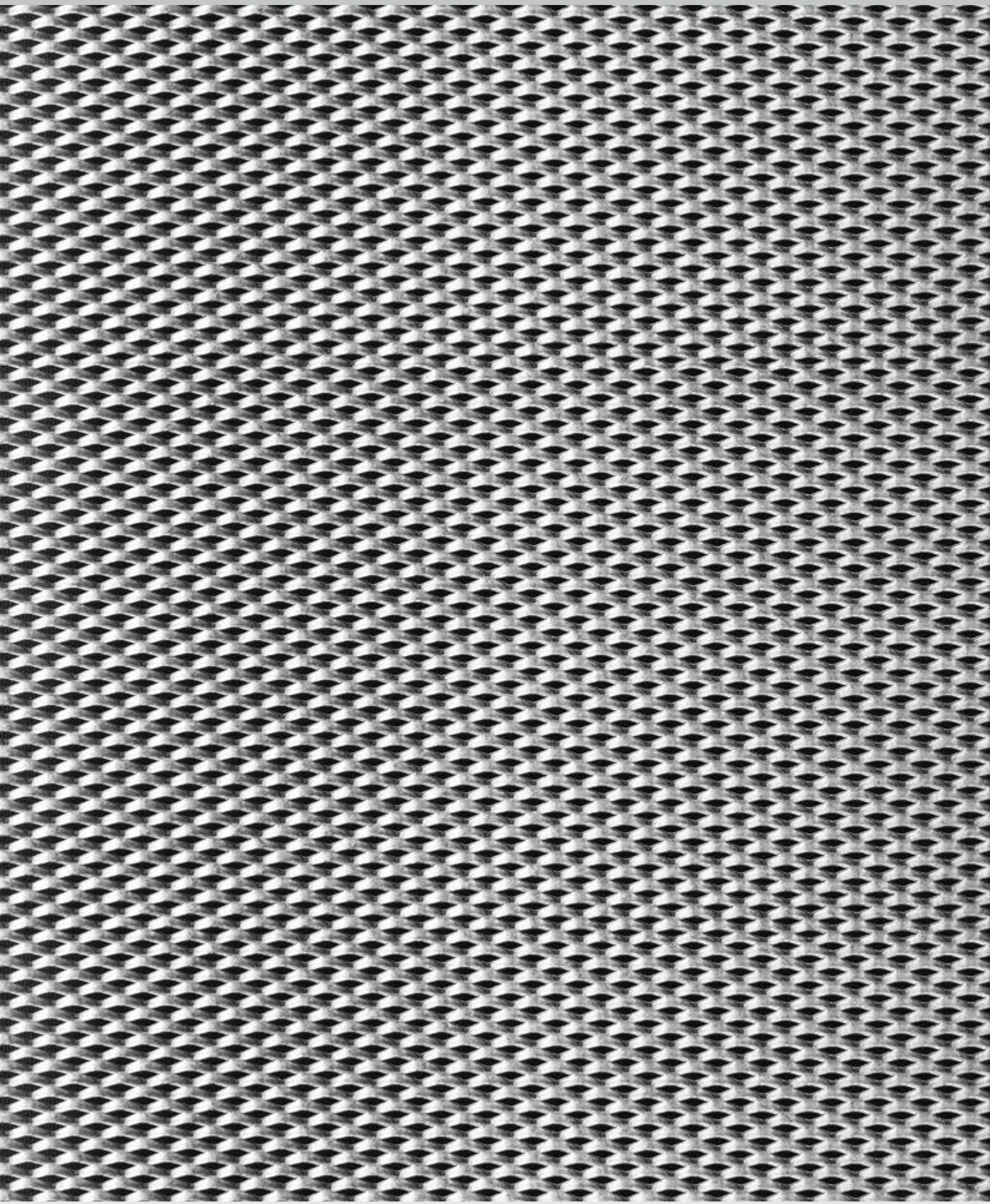
METALSCREEN

Facades | Screen panels



FINE CALI

Scale 1:1

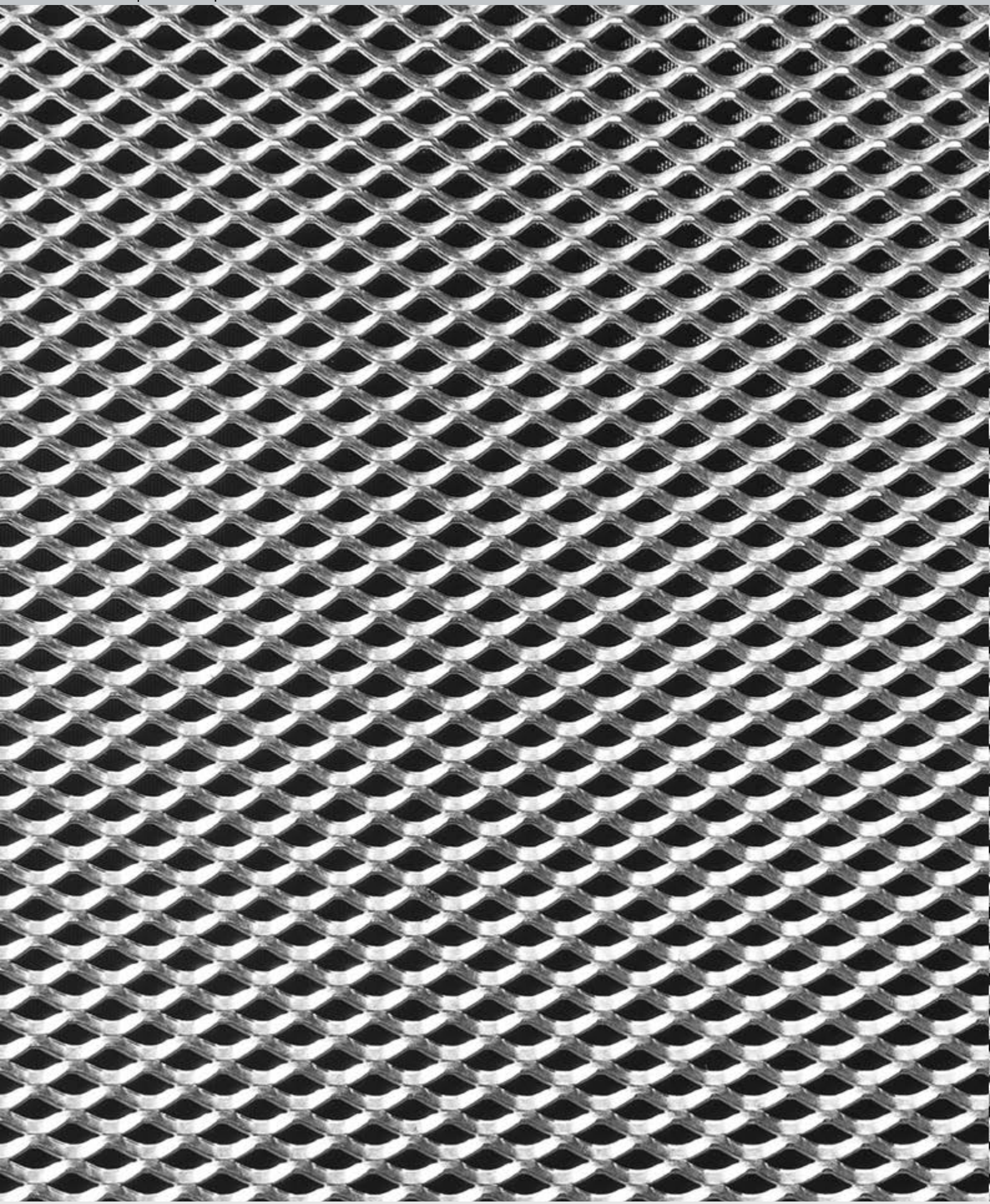


MEDIUM CALI

Scale 1:1

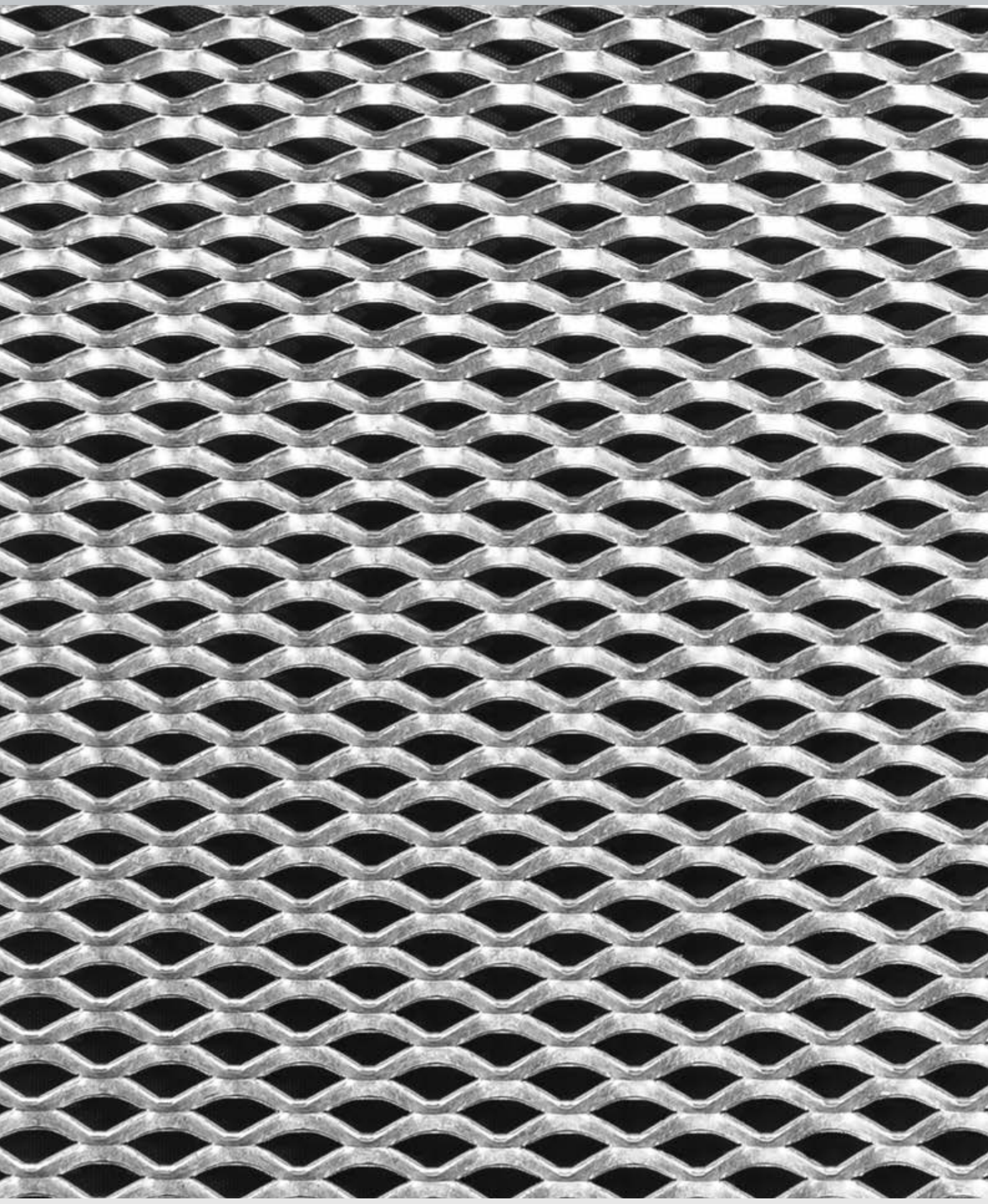
METALSCREEN

Facades | Screen panels



AREQUIPA

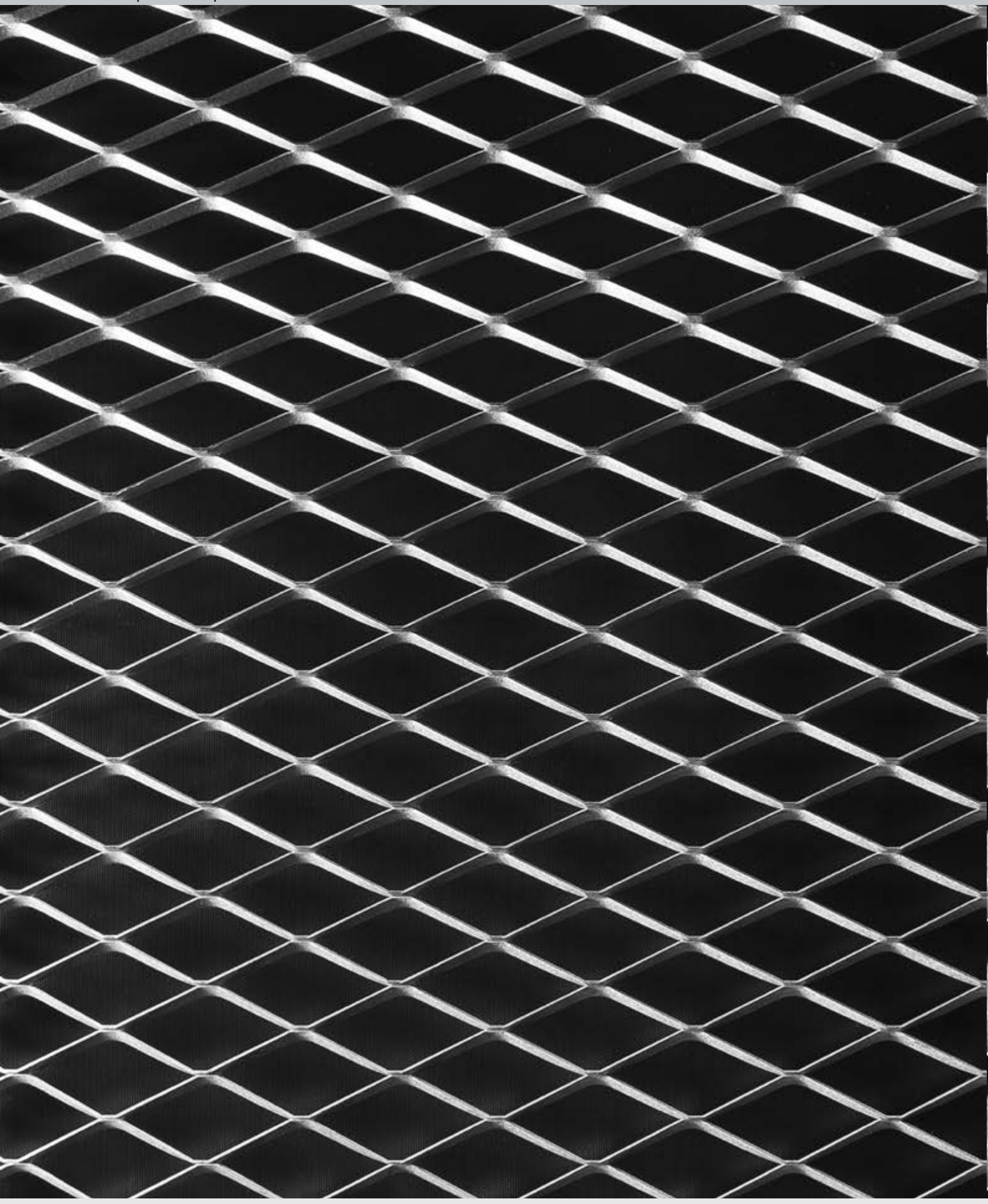
Scale 1:1



RÍO

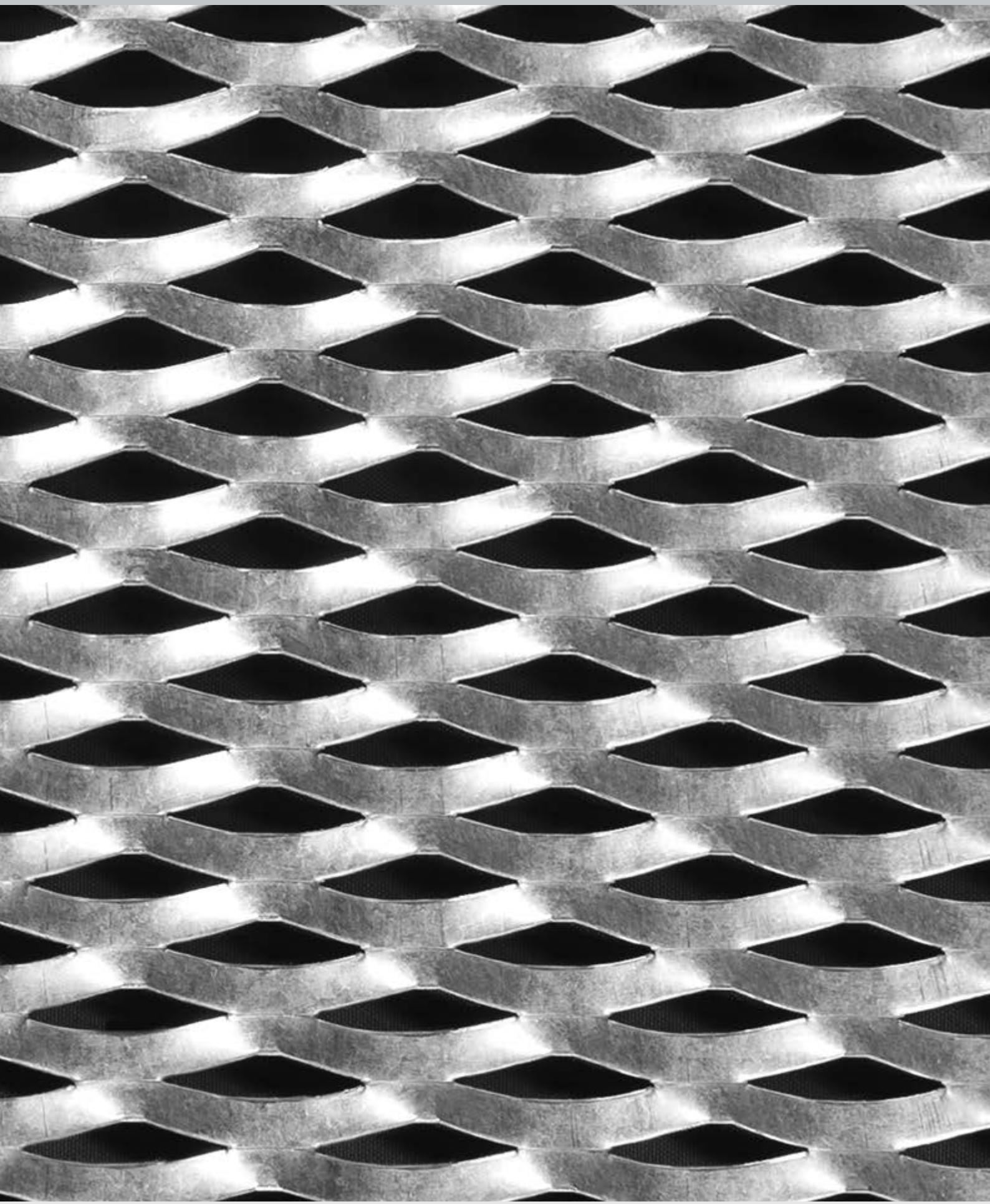
Scale 1:1

METALSCREEN
Facades | Screen panels



IGUAZÚ

Scale 1:1

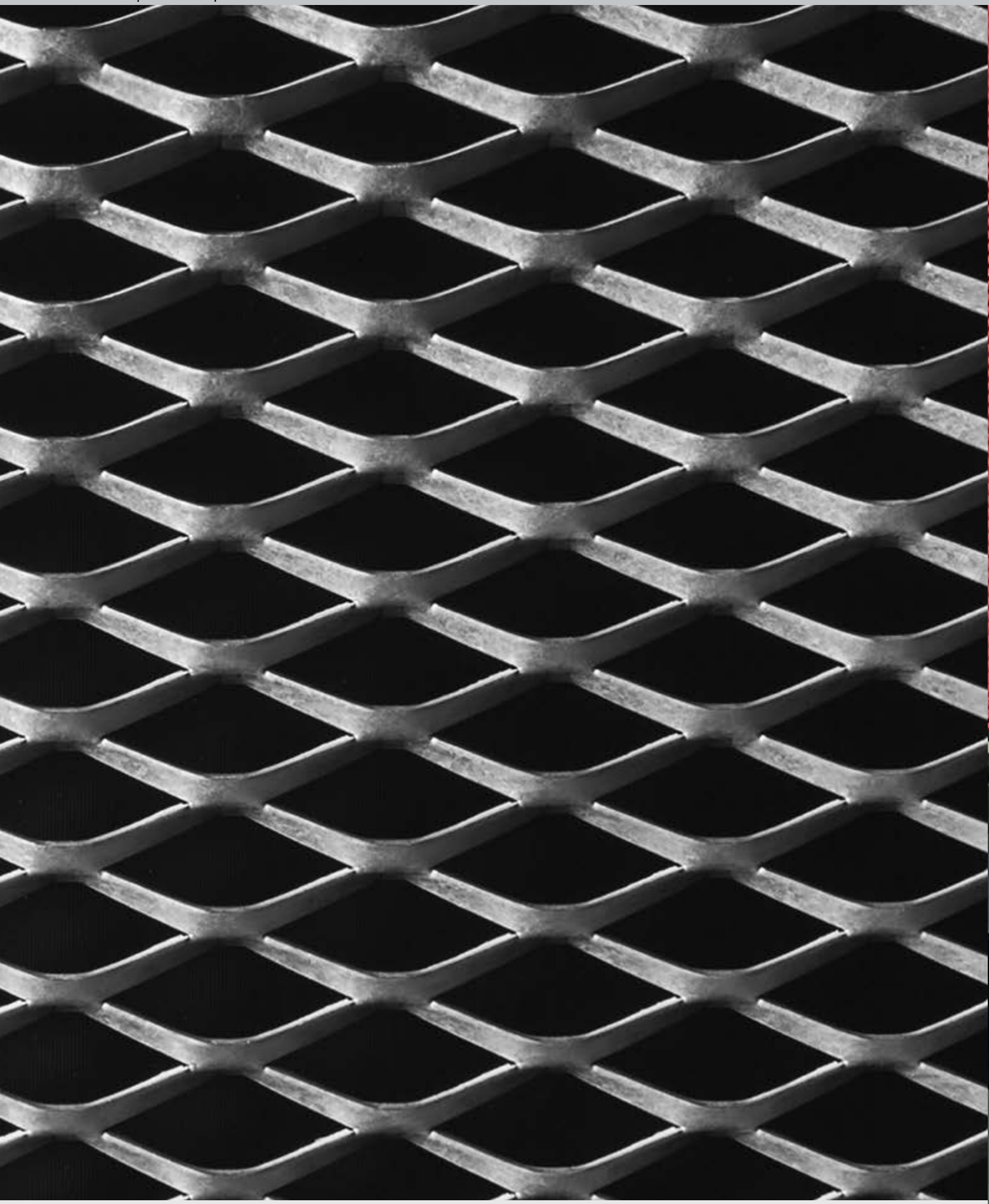


CÓRDOBA

Scale 1:1

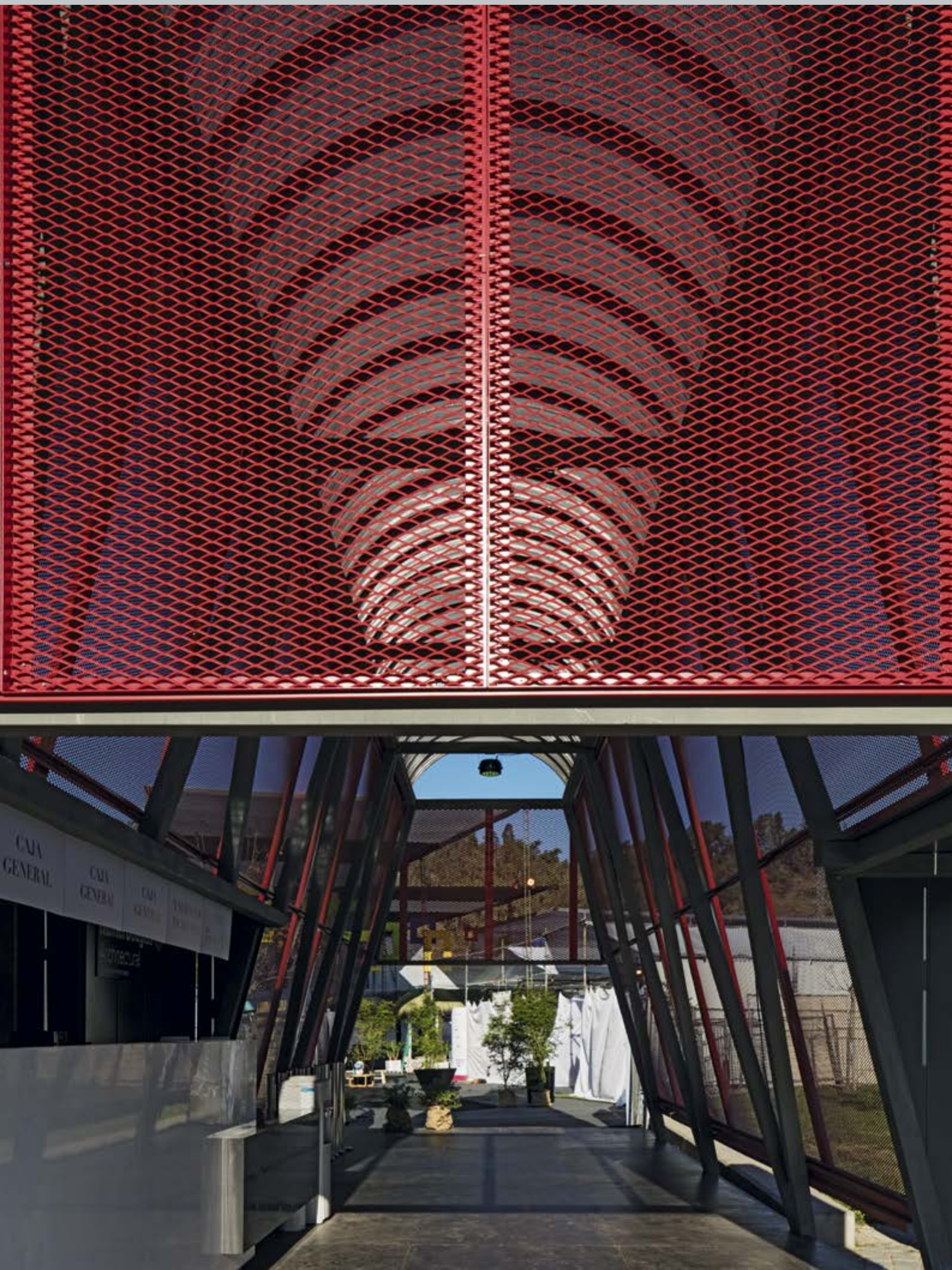
METALSCREEN

Facades | Screen panels



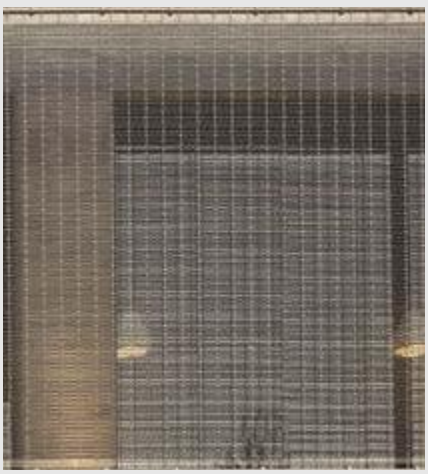
PUCÓN

Scale 1:1


CAJA
GENERAL
CAJA
GENERAL


LUMIX

GKD MESH
Facades | Screen panels



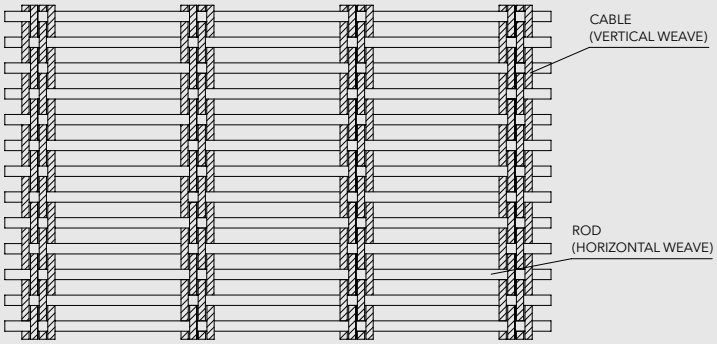
GKD is a German company that is the global leader in the manufacture of stainless steel mesh. The firm's collaboration with Hunter Douglas and production plant in Chile have made it possible to bring this type of product to Latin America. GKD meshes are composed of a textile, ductile and flexible structure that is also resistant and robust. It can be used to clad buildings, walls and ceilings.

The mesh products have different percentages of open area depending on the weave, allowing for visibility from the interior and exterior of the building. This contributes to sun protection and allows for attractive backlit solutions.

TECHNICAL DESCRIPTION

- Types of GKD mesh: Lamelle, Lago, Tigris, Sambesi, Escale 10x1, Escale 7x1, Omega
- Material: Stainless steel vertical cables and horizontal rods
- Types of GKD mesh available in Latin America: Minitubrise, M Profile, Escale 10x1
- Material: Stainless steel vertical threads and Zincalum horizontal bars
- Thickness: The thickness of the cable and rod depend on the mesh
- Uses: Exterior and interior cladding, ceilings, sun protection, etc.
- Standard width: Depends on the mesh
- Maximum length: Continuous depending on the project
- Mesh colors: Available in over 100 colors, wood grains and mineral grains for Zincalum (only for Escale, Minitubrise and Perfil M)

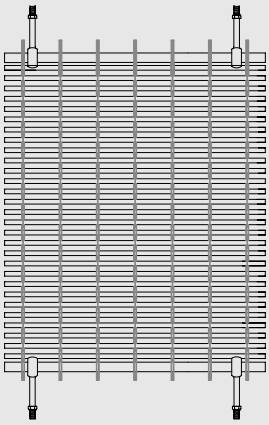
MESH COMPOSITION



TYPES OF MESH

GKD LATAM

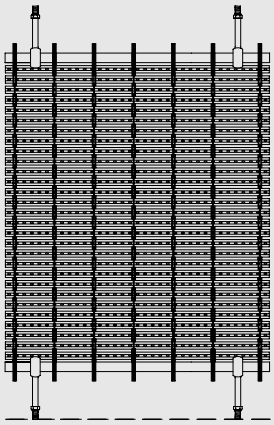
MINITUBRISE



Material: Zincalum
Open area: 50%
Ø tube: 9 mm
Ø cable: 3 x 2 mm
AISI cable

Cable pitch: 80 mm
Bar pitch: 18 mm
Mesh thickness: 14 mm
Weight: 6.2 kg/m²

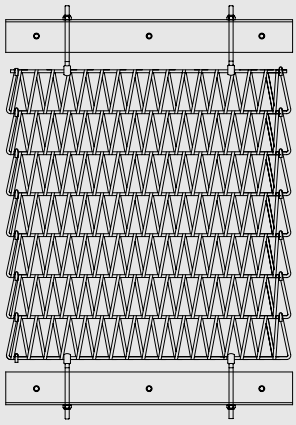
M PROFILE



Material: Zincalum
Open area: 50%
M Profile width: 15 mm
Ø cable: 3 x 2 mm
AISI cable

Cable pitch: 80 mm
M profile pitch: 22 mm
Mesh thickness: 9 mm
Weight: 2.6 kg/m²

ESCALE 10 X 1

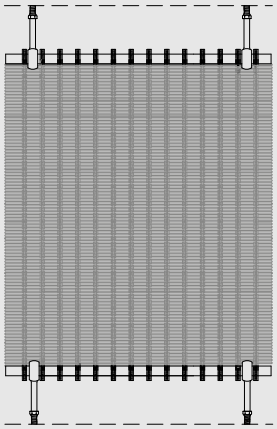


Material: Galvanized steel
Open area: 50%
Ø tube: 8 mm
Spiral: 10 x 1 mm

Spiral duct: 30 mm
Bar duct: 100 mm
Mesh thickness: 22 mm
Weight: 11.5 kg/m²

GKD

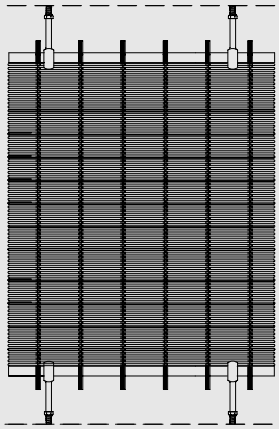
LAMELLE



Material: Stainless steel
Open area: 44.3%
Ø rod: 1.5 mm
Ø cable: 4 x 0.75 mm
Cable pitch: 26.4 mm

Mesh pitch: 3 mm
Mesh thickness: 3 mm
Weight: 5.2 kg/m²
Mesh thickness: 3.65 m

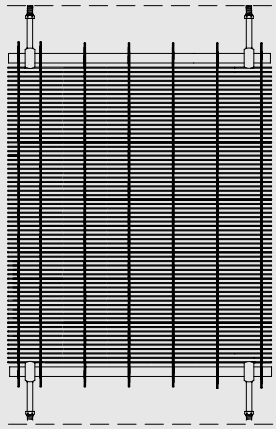
LAGO



Material: Stainless steel
Open area: 44%
Ø rod: 2 mm
Ø tube: 4 x 1 mm
Cable duct: 36 mm

Mesh pitch: 4 mm
Mesh thickness: 3.5 mm
Weight: 6.8 kg/m²
Mesh thickness: 3.63 m

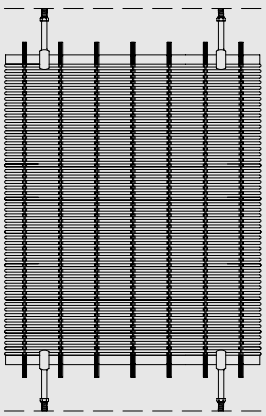
TIGRIS



Material: Stainless steel
Open area: 62.1%
Ø rod: 3 mm
Ø cable: 3 x 2 mm
Cable duct: 80 mm

Weave duct: 10 mm
Mesh thickness: 6.2 mm
Weight: 6 kg/m²
Weave width: 3.57 m

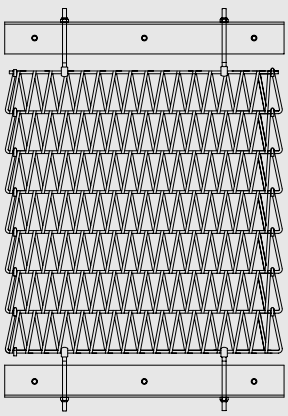
SAMBESI



Material: Stainless steel
Open area: 40%
Ø rod: 3 mm
Ø cable: 4 x 2 mm
Cable pitch: 50 mm

Weave pitch: 6 mm
Mesh thickness: 7 mm
Weight: 11 kg/m²
Weave width: 3.6 m

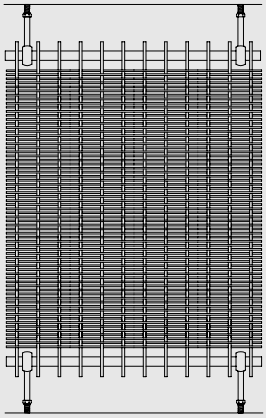
ESCALE 7X1



Material: Stainless steel
Open area: 50%
Ø rod: 7 mm
Spiral: 7 x 1 mm

Spiral pitch: 20 mm
Rod pitch: 100 mm
Mesh thickness: 22 mm
Weight: 8.9 kg/m²

OMEGA



Material: Stainless steel
Open area: 51%
Weave thickness: 4.5 mm

Weight: 5.2 kg/m2
Maximum width: 8000 m²

Note: The components of the product on this sheet are constantly subject to innovation and development, and may be subject to change. The measurements listed on this technical sheet are expressed in millimeters (mm). In order to ensure that the product functions properly, installation should always be completed by an authorized distributor using all of the accessories identified in accordance with Hunter Douglas technical specifications.

STRIPSCREEN

STRIPSCREEN
Facades | Screen panels

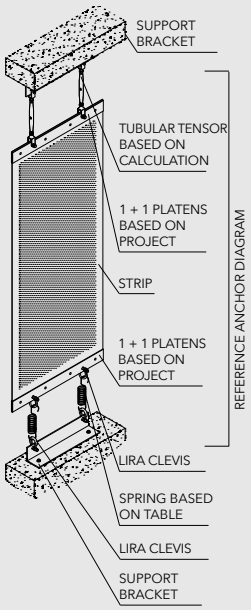
StripScreen cladding is an innovative product that provides a unique appearance in facade renovations. The product uses a vertical strip that is supported on two parts of the facade, providing the appearance of lightness as well as energy efficiency. This is a versatile product because in addition to allowing for variation in the separation of fixed horizontal or vertical elements, different strip widths, colors and perforations can be combined. The perforation alternative makes it possible to obtain translucent and backlit facades and to use the cladding as a passive sun control element.

TECHNICAL DESCRIPTION

- Material: Zincalum and corten steel
- Thickness: 1 mm, 0.8 mm and 0.6 mm
- Colors: Available in over 100 standard colors and special colors on request
- Finish: Perforated or un perforated
- Uses: Sun louvre
- Lengths: Maximum length of 10 m, 12 m zincalum, 15 mm corten steel
- Modules: Minimum of 250 mm and maximum of 605 mm

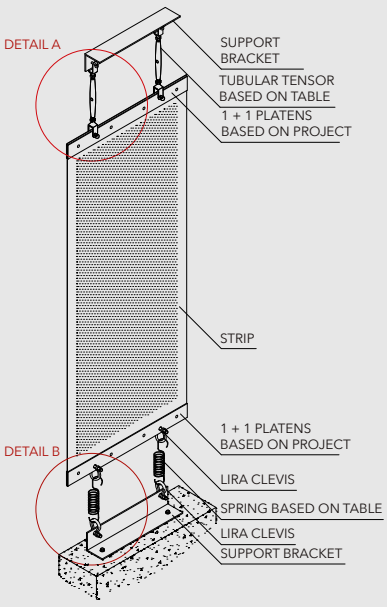
Note: Due to its length and wind load requests, this product always requires engineering calculation to determine the type of accessories to be used (spring, tensor, etc.).
The quantity and type of accessories may vary depending on the project conditions.

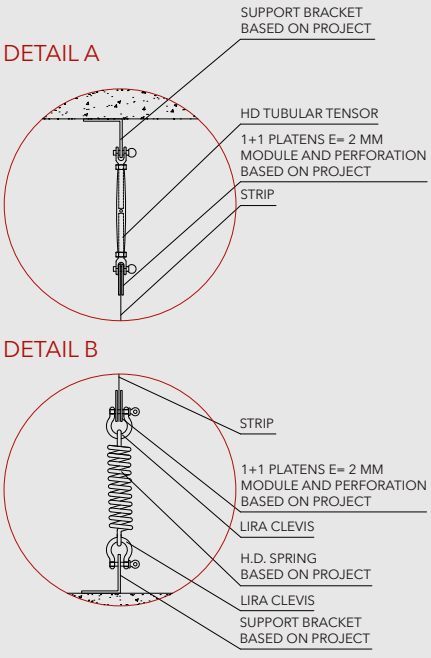
ISOMETRIC
PERFORATED PANEL



INSTALLATION

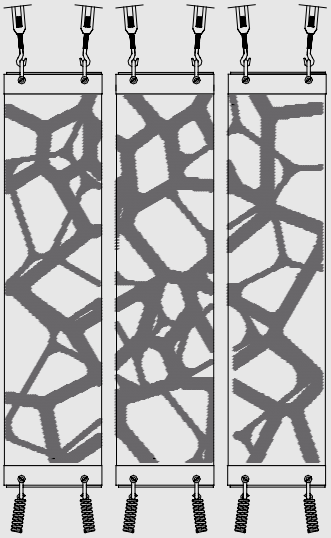
REFERENCE FIXING DIAGRAM
The number and type of accessories may vary depending on the project conditions.



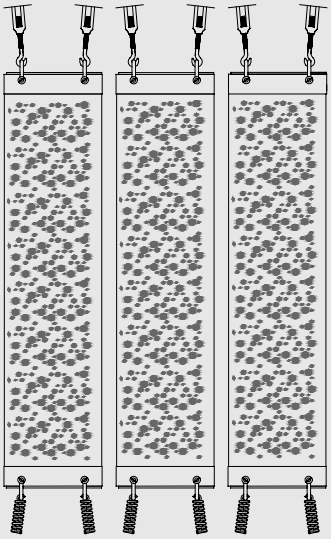


PERFORATIONS

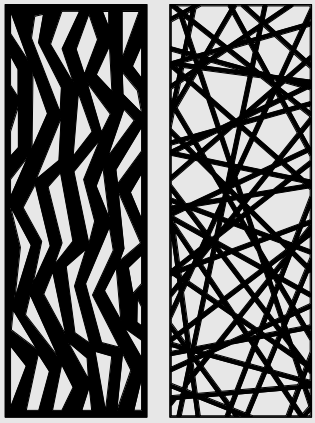
PERFORATED PATTERN BASED ON IMAGES

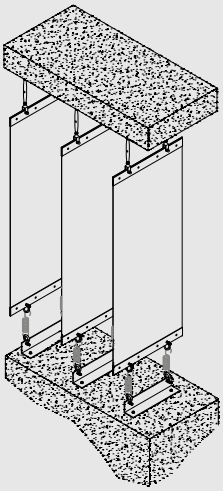


420 RANDOM PERFORATED PATTERN



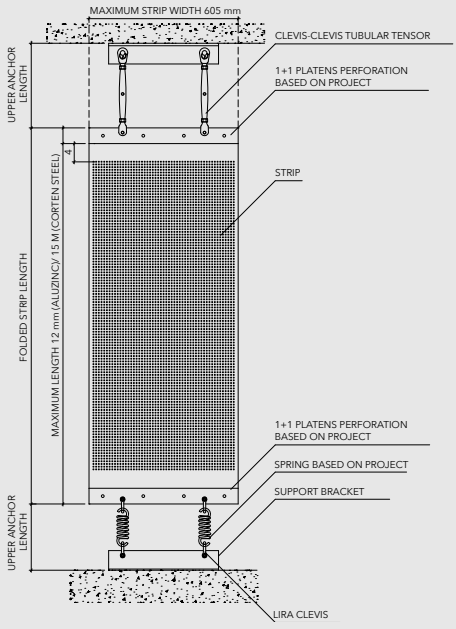
LASER CUT CUSTOM PATTERN



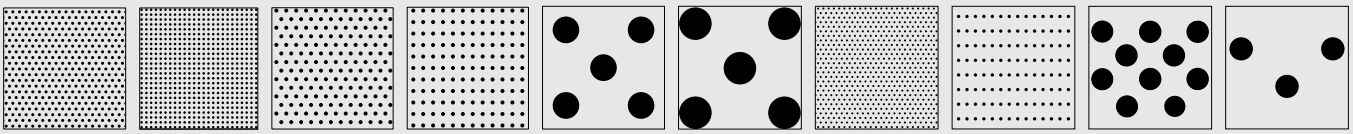


INSTALLATION OUTLINE

FRONT VIEW



STANDARD PERFORATIONS

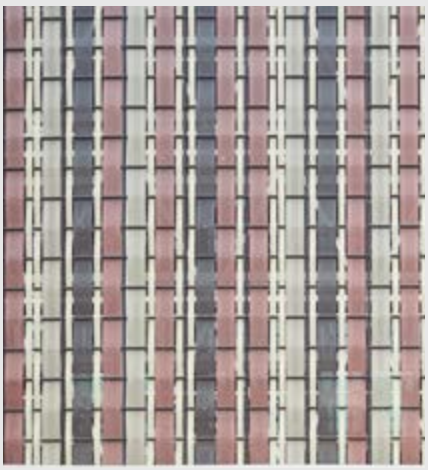


# 103	# 106	# 110-M1	# 110-M3	# 112	# 113	# 118	# 118 M2	# 130	# 131
Ø 2.95 $^{\pm 0.05}$ mm	Ø 2.5 $^{\pm 0.05}$ mm	Ø 3.9 $^{\pm 0.05}$ mm	Ø 3.9 $^{\pm 0.05}$ mm	Ø 10 mm	Ø 15 mm	Ø 2 mm	Ø 2 mm	Ø 10 $^{\pm 0.05}$ mm	Ø 15 $^{\pm 0.05}$ mm
20% open	16% open	15% open	12% open	20% open	23% open	15% open	7.3% open	30% open	10% open
3.35 mm	3 mm	5.53 mm	5.53 mm	18 mm	27 mm	3 mm	3 mm	12.6 mm	50 mm
2.5 mm	3 mm	4.25 mm	7 mm	4 mm	6 mm	2.3 mm	6.6 mm	1.3 mm	12 mm

Note: The components of the product on this sheet are constantly subject to innovation and development, and may be subject to change. The measurements listed on this technical sheet are expressed in millimeters (mm). In order to ensure that the product functions properly, installation should always be completed by an authorized distributor using all of the accessories identified in accordance with Hunter Douglas technical specifications..

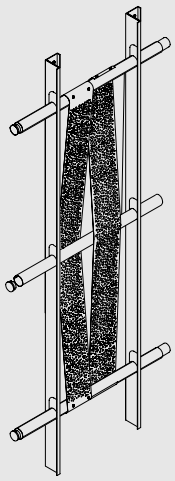
STRIPWEAVE

STRIPWEAVE
Facades | Screen panels

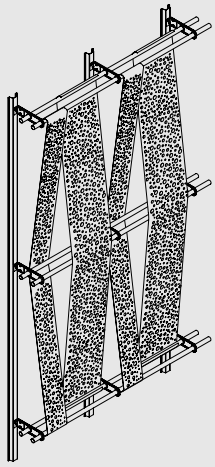


StripWeave is a simple product, but offers very interesting results.
It consists of metallic ribbons or strips that are woven between the system's unique tubular profiles to achieve a final image that is similar to a weave but on a large scale. This also allows it to generate transparencies and opacities.

SIMPLE STRIPWEAVE



DOUBLE STRIPWEAVE



TECHNICAL DESCRIPTION

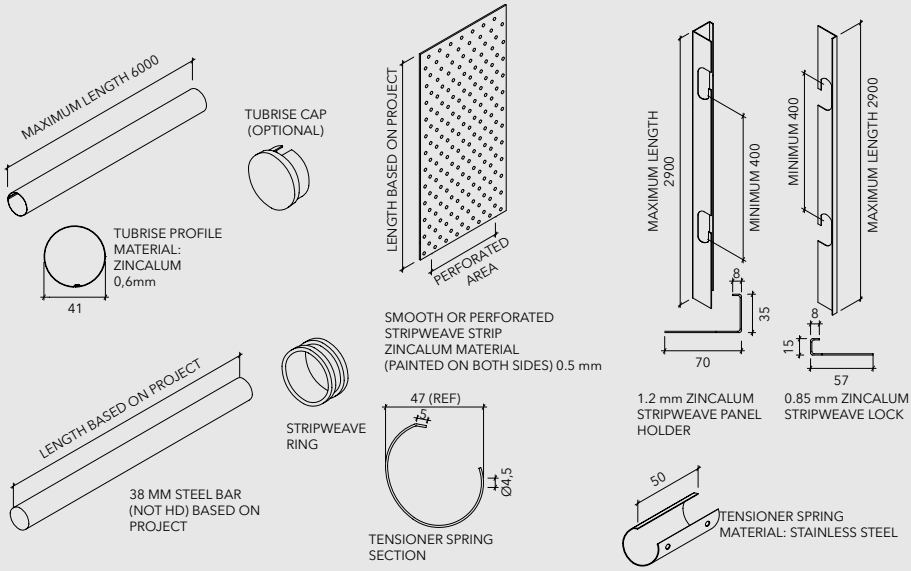
PRODUCT	MATERIAL	STRIP WIDTH (mm)	THICKNESS (mm)	WEIGHT (kg/m²)
STRIPWEAVE	ZINCALUM	100	0.5	4.0
		150	0.5	4.2
		200	0.5	4.5
		300	0.5	4.8

Note: This is the estimated weight. The true weight will depend on the width and perforation type of the strips.

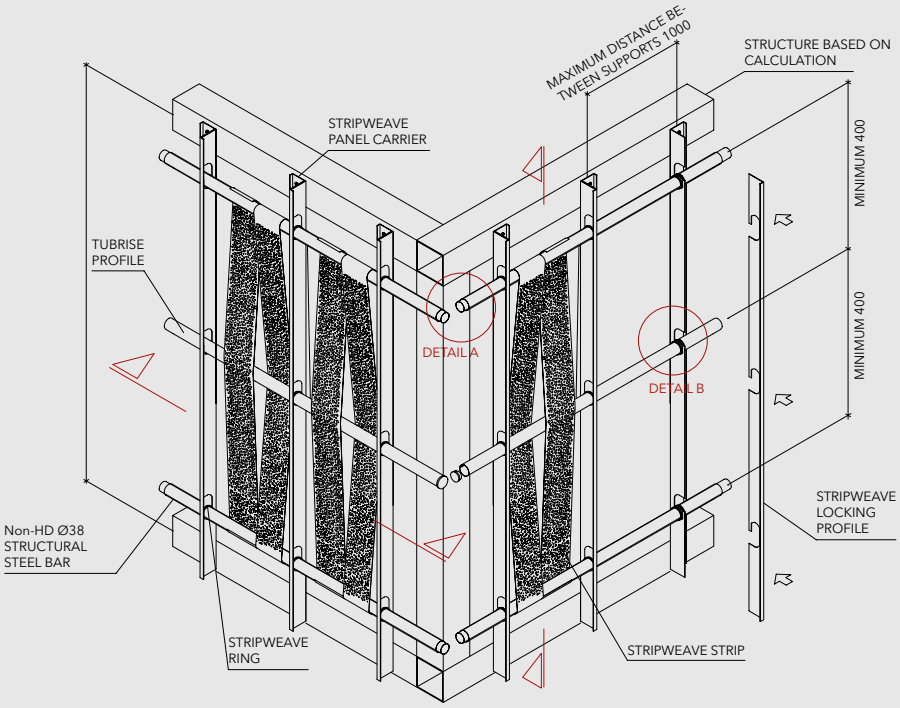
- Colors: Available in over 100 standard colors and special colors on request as well as wood grains or mineral grains
- Finish: Perforated or unperforated
- Uses: Louvre and cladding
- Lengths: Variable
- Other available materials: Corten steel, aluminum, copper and zinc

StripWeave assembly is completed using horizontal and vertical elements placed at a certain distance. Vertical strips are then woven.

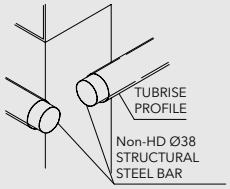
COMPONENTS



INSTALLATION

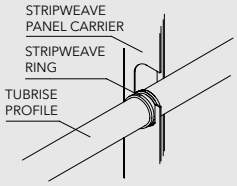


DETAIL A

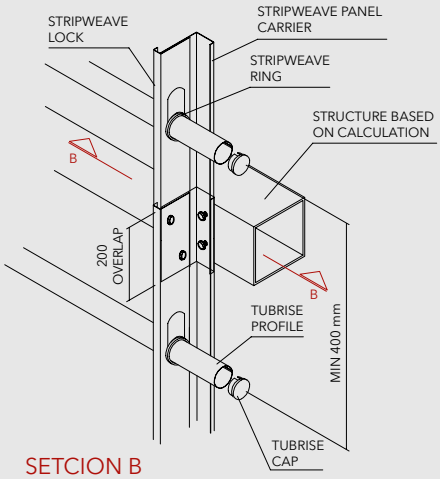


Note: Include the ø 38 structural steel bar inside of the Tubrise profile in the beginning and end of the weave to support the strip tension. This solution is used if the project requires it.

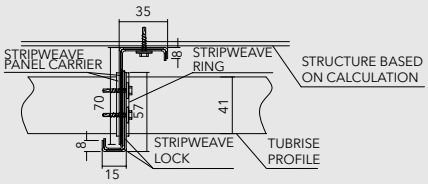
DETAIL B



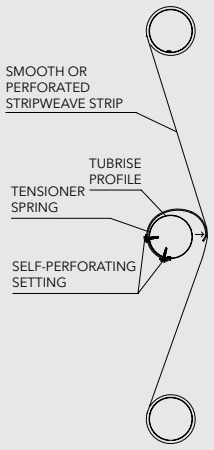
ISOMETRIC STRIPWEAVE PROFILE UNION



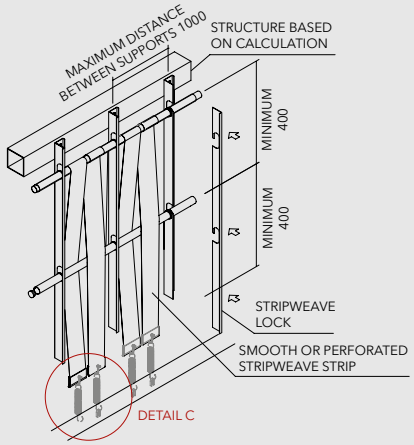
SETCION B



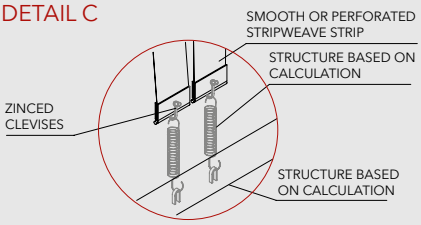
STRIPWEAVE TENSION SPRING INSTALLATION SYSTEM



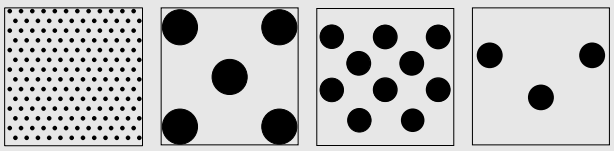
STRIPWEAVE INSTALLATION SYSTEM-SPRING OPTION



DETAIL C



STANDARD PERFORATIONS*

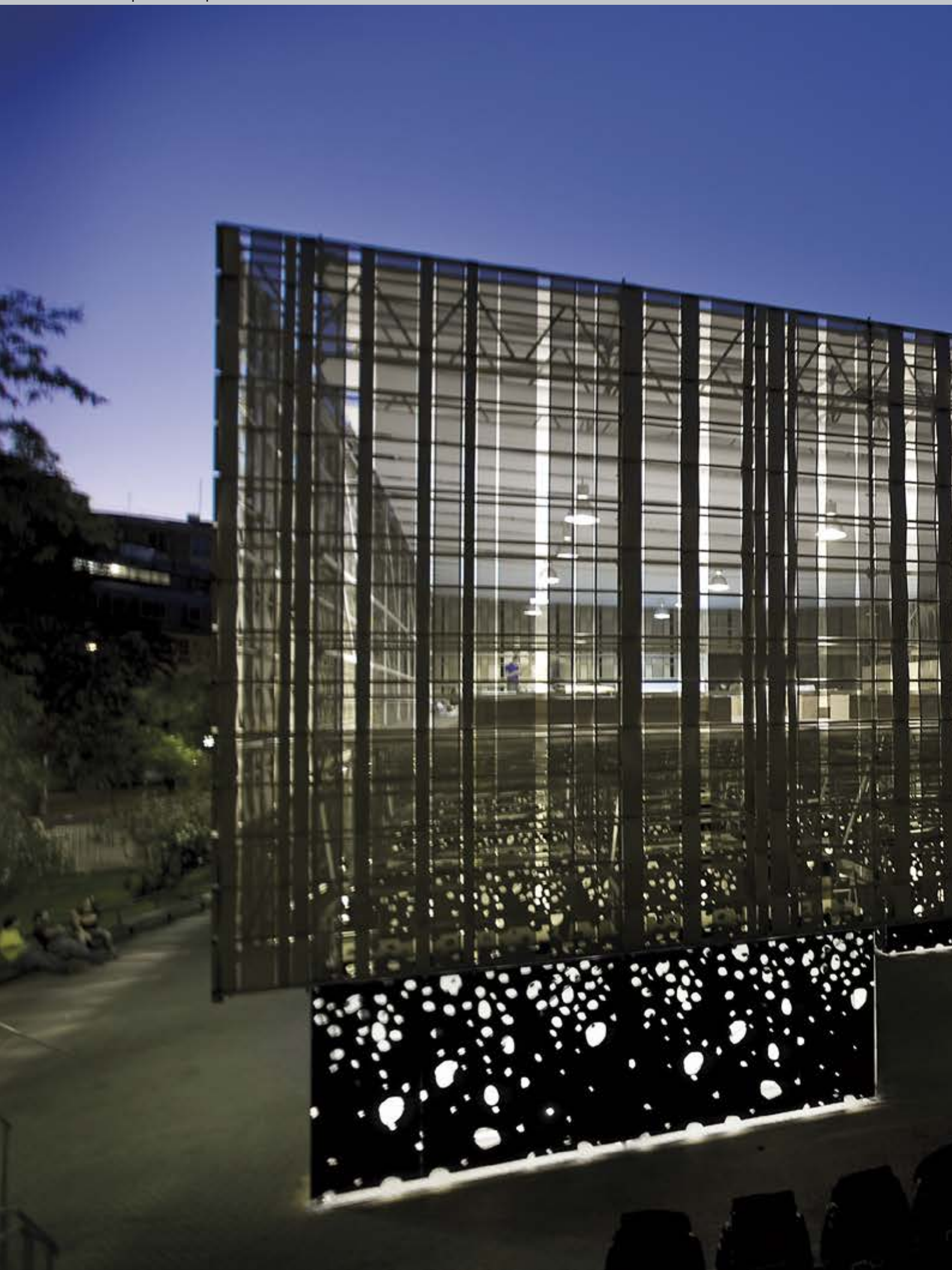


# 110-M1	# 113	# 130	# 131
Ø 3,9 $^{\pm 0,05}$ mm	Ø 15 mm	Ø 10$^{\pm 0,05}$ mm	Ø 15$^{\pm 0,05}$ mm
15% open	20% open	30% open	10% open
5.53 mm	27 mm	12.6 mm	50 mm
4.25 mm	6 mm	1.3 mm	12 mm

*Special personalized perforations may be available.

Note: The components of the product on this sheet are constantly subject to innovation and development, and may be subject to change. The measurements listed on this technical sheet are expressed in millimeters (mm). In order to ensure that the product functions properly, installation should always be completed by an authorized distributor using all of the accessories identified in accordance with Hunter Douglas technical specifications. Patent request MU 2171-12 has been submitted for this product.

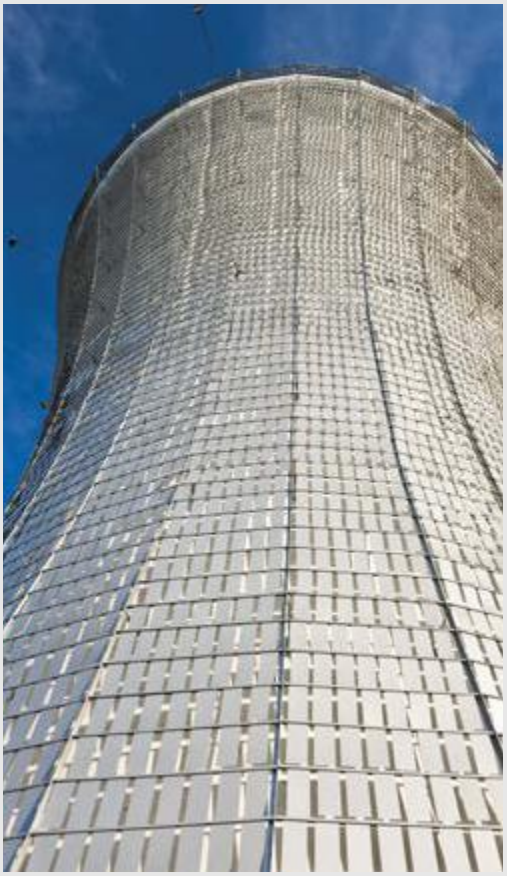
STRIPWEAVE
Facades | Screen panels



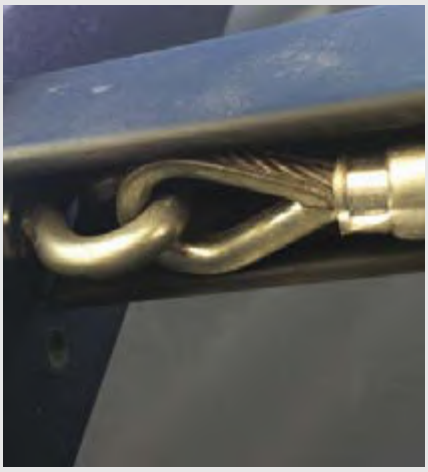
STRIPWEAVE
Facades | Screen panels


Parque

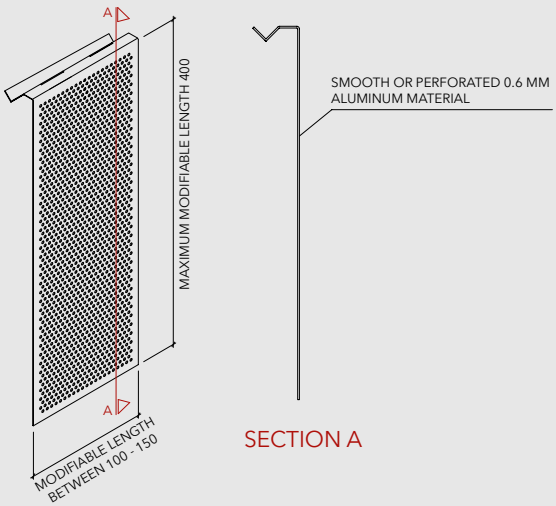
WINDSCREEN



WINDSCREEN
Facades | Dynamic Sunscreens

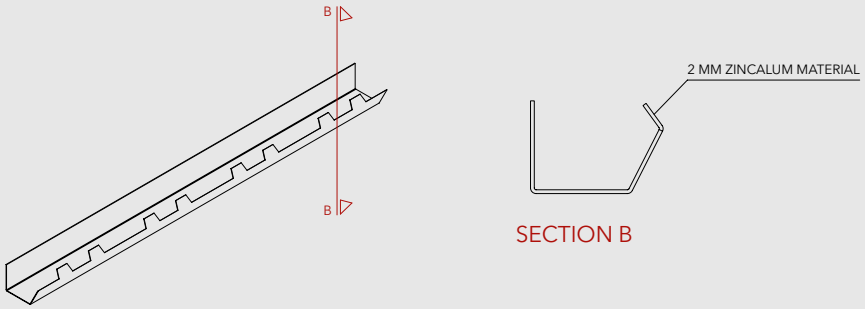


The WindScreen louvre is composed of aluminum sheets that pivot on a panel carrier. The sheets form a surface area that moves with the wind. This quality yields a very attractive kinetic facade.



SECTION A

WINDSCREEN PANEL CARRIER



SECTION B

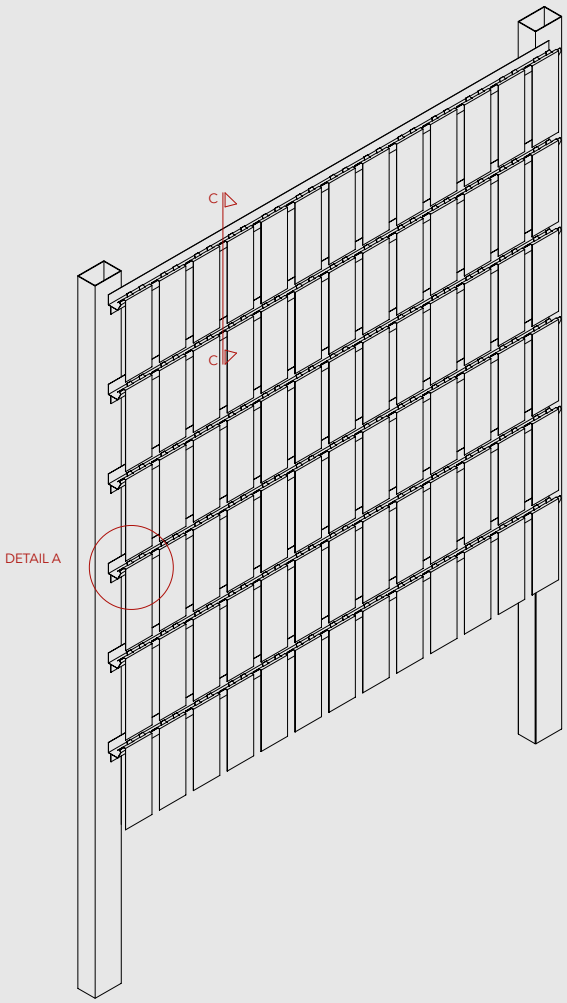
TECHNICAL DESCRIPTION

PRODUCT	MATERIAL	THICKNESS (mm)	WEIGHT (kg/m^2)
WINDSCREEN	ALUMINUM	0.6	1.73

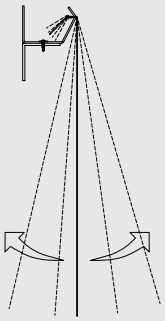
- Material: Aluminum
- Thickness: 0.6 mm
- Colors: Over 100 standard colors and special colors available upon request.
- Uses: Louvre
- Finish: Perforated or un perforated
- Dimentions sheet: 150 x 350 mm. For other dimentions, consult with the Hunter Douglas Technical Department
- Yield: Approximately 12.5 sheets per m^2

INSTALLATION

ISOMETRIC SET

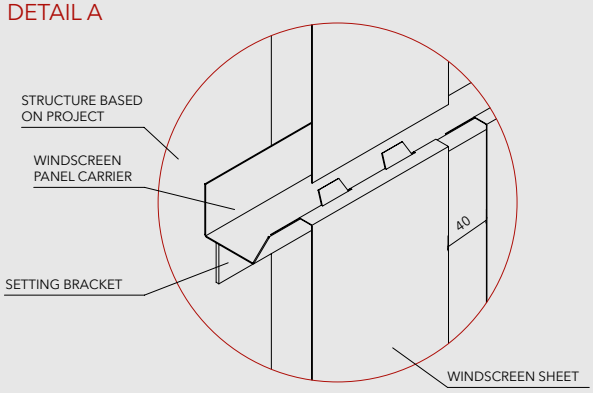


WINDSCREEN SHEET MOVEMENT

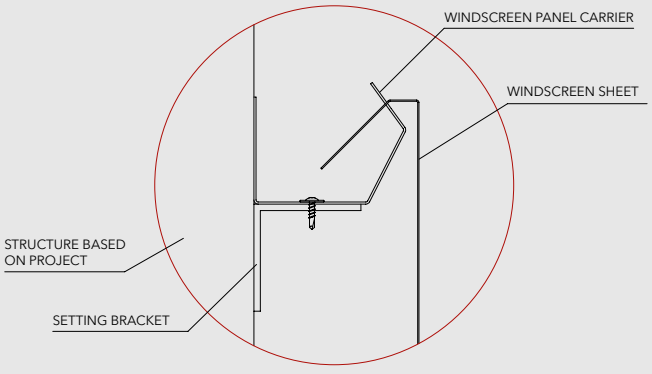


SECTION C

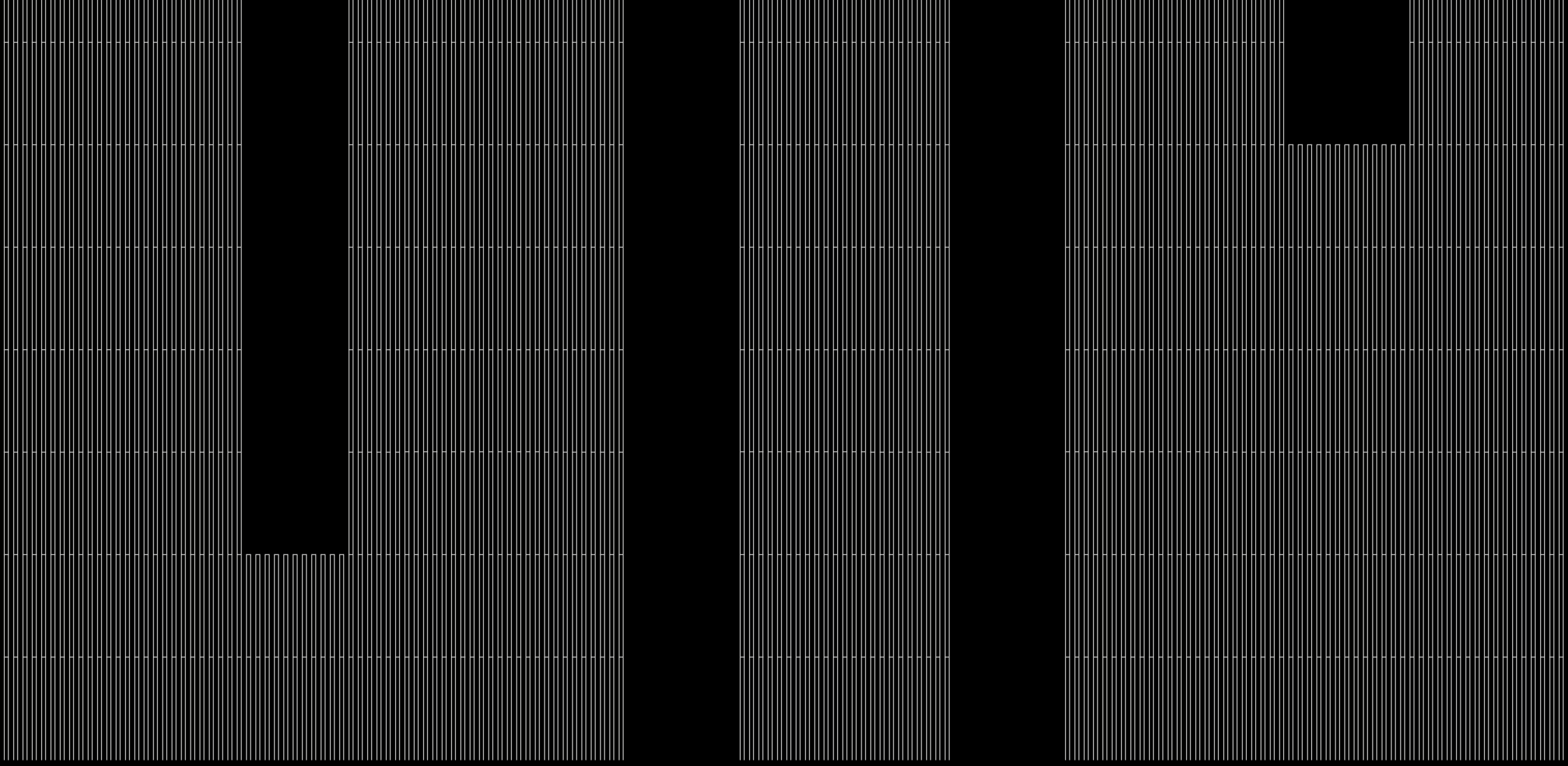
DETAIL A



SECTION C

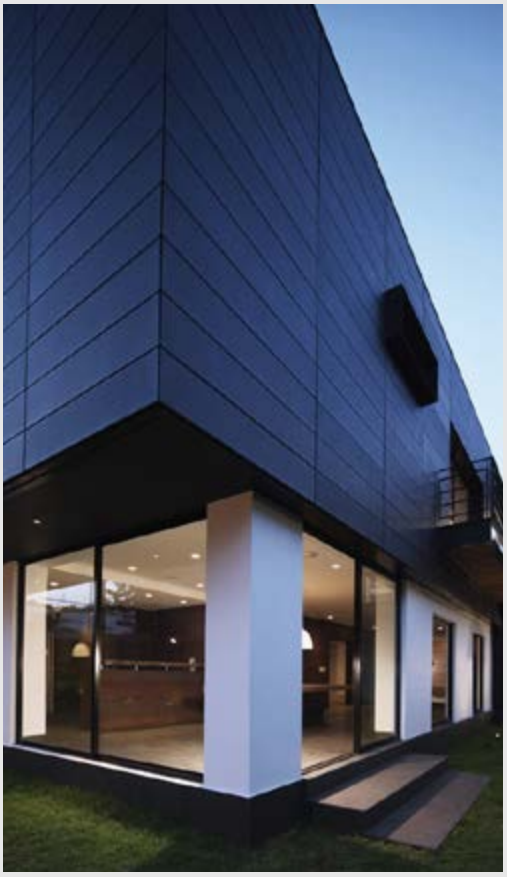


Note: The components of the product on this sheet are constantly subject to innovation and development, and may be subject to change. The measurements listed on this technical sheet are expressed in millimeters (mm). In order to ensure that the product functions properly, installation should always be completed by an authorized distributor using all of the accessories identified in accordance with Hunter Douglas technical specifications.



VENTILATED FACADES

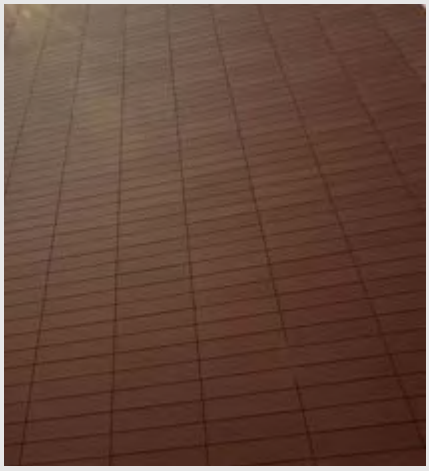
VENTILATED FACADE




Heinkelstraße 15
AOK
GES
UND
NAH

VENTILATED FACADE

Facades | Ventilated Facades



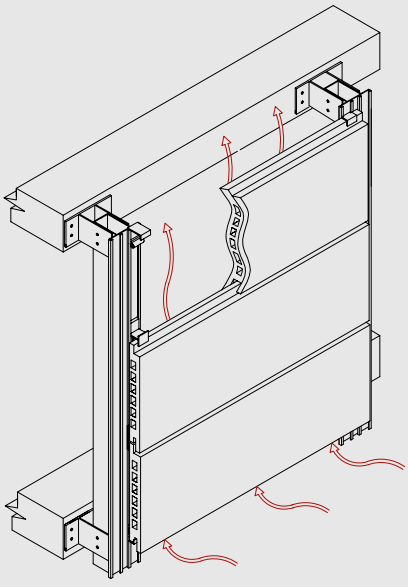
VENTILATED CAVITY

The ventilated cavity is what allows the exchange of air, heat, humidity and light between the building's interior and exterior. It is therefore the part of the building that offers the greatest opportunities to improve the interior environment and decrease energy consumption.
Hunter Douglas offers a wide variety of ventilated facades products in a range of materials (metal, terracotta, wood and HPL sheets) that improve energy performance and livability without sacrificing aesthetics.

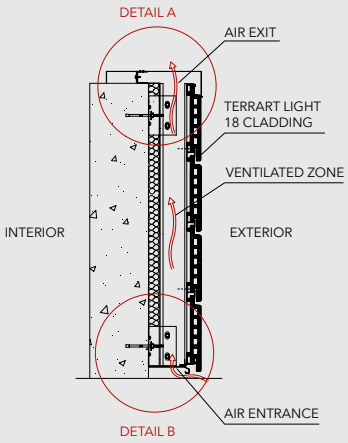
CHARACTERISTICS AND ADVANTAGES

A ventilated facade generally consists of an exterior layer that receives sun radiation, a ventilated air space, steam barrier, isolation layer and interior wall.
A well-designed ventilated facade allows the building to be protected from rain, wind and humidity without any additional energy costs of any kind. It also acoustically isolates the exterior and improves the energy performance and interior environmental quality of the structure. One of the main advantages of ventilated facades is that they allow old buildings to be retrofitted in order to improve their aesthetic and performance.

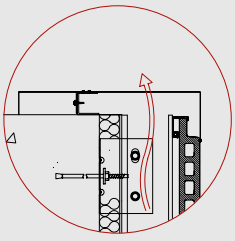
ISOMETRIC
VENTILATED FACADE SYSTEM
NBK 18 LIGHT TERRART
Up to 20% annual savings on heating, cooling and ventilation.



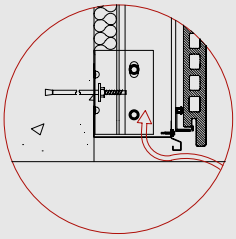
CLADDING
NBK 18 LIGHT TERRART
WINDOW DETAIL



DETAIL A



DETAIL B



HOW A VENTILATED FACADE WORKS

1.The sun impacts the outer layer of the facade, increasing its temperature.
2.The air inside of the ventilated chamber heats up and generates an upward current through convection.
3.The hot air emerges from the upper part of the facade and is replaced by cooler air. This allows heat and humidity to be removed simultaneously with no energy cost.
The effect of this is that part of the sun radiation that impacts the facade is removed in the form of warm air before it enters the building, thus decreasing the need to cool the building. The upward air current also allows humidity caused by rain or fog to dry, which increases the useful life of the building enclosure and avoids the proliferation of mold in rainy and humid climates. Finally, it is possible to use the upward air current to obtain free heat during the winter months.

KEY DESIGN PARAMETERS

FACADE INSULLATION

Sun radiation is what makes a ventilated facade work. Without it, there would be no upward current and it would not perform. Facades facing the equator that will receive moderate sun radiation during most of the day are thus recommended along with facades facing the west and east that will receive intense sun radiation during specific times of day. Ventilated facades protect buildings from rain and decreases air conditioning needs, and so they are recommended in both rainy locations and warm areas with significant levels of solar radiation.

A. FINISH OF THE EXTERIOR LAYER OF THE FACADE

Hunter Douglas works with many materials, paints, colors and finishes. This makes it possible to optimize the ventilated facade while maintaining unique aesthetic characteristics that fit the project to be installed.

	PRODUCTS				
	QUADROCLAD	NBK	PRODEMA	SCREENPANEL	SINGLE SKIN
MIN. FORMAT (mm)	399 x 1000	220 - 900	1220 x 2440	N/A	N/A
MAX. FORMAT (mm)	1000 x 4000	700 - 1200	2440 x 1220	100 x 4000 (modelo XL) 481 x 3500 (modelo G)	N/A
MATERIALITY	ALUMINIO / ZINCALUM	TERRACOTA	WOOD	ALUMINIUM / ZINCALUM	ALUMINIUM / ZINCALUM
CHANNEL WIDTH (mm)	10	10	6 - 8	10	10
EXTERNAL TERMINATION	PAINTINGS / COLORS	PAINTINGS / COLORS	WOOD PLATE COLOR	PAINTINGS / COLORS	PAINTINGS / COLORS
SUBSTRUCTURE	VERTICAL DISTANCED 1200	VERTICAL DISTANCED between supports 1000 - 1200 - 3600	VERTICAL DISTANCED 600	VERTICAL DISTANCED 1200	MULLIONS ON SQUARES
AIR CHAMBER	60 - 170	60 - 75	60 - 75	100 - 120 o 50 - 70	40 - 100

B. VENTILATED CAVITY

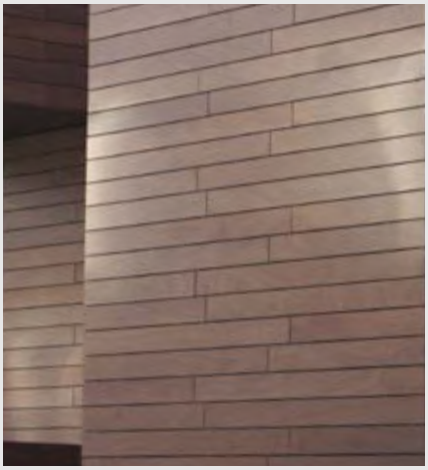
The width of the facade cavity will affect the air flow in two ways. First, a smaller cavity generates greater friction. Second, a smaller cavity increases the chimney effect because it increases the stratification of the air. In the end, the cavity width does not have a significant impact on the amount of heat that enters the facade. However, there have been successful tests of widths between 4 and 24 cm.

VENTILATED FACADE

Facades | Ventilated Facades

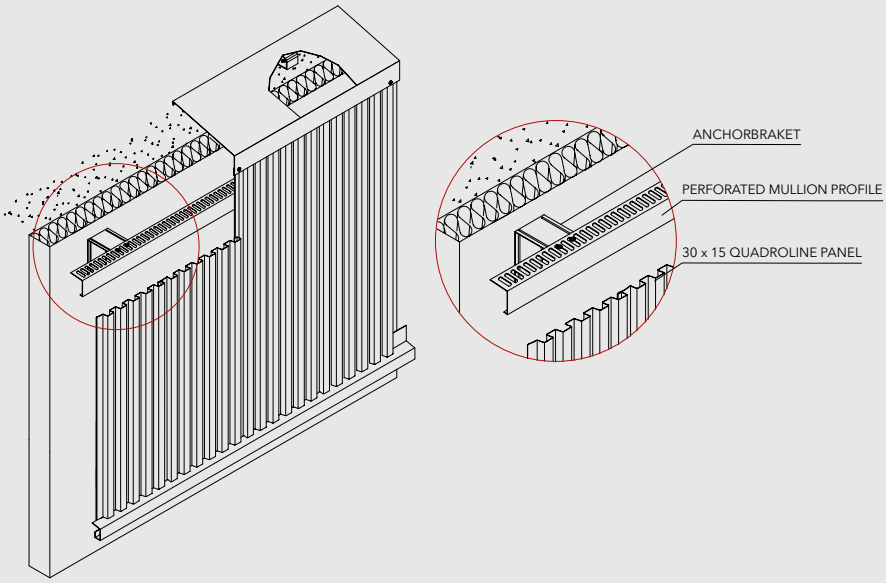
VENTILATED FACADE

Facades | Ventilated Facades



C. SUBSTRUCTURE

It is important to decrease the friction inside of the cavity. We thus recommend using a minimalist vertical substructure that allows for vertical air flow. Hunter Douglas offers products with a vertical substructure and perforated horizontal structure designed to facilitate air flow and improve the performance of the facade.



D. GAPS BETWEEN PANELS

The open joints between panels should not have a significant impact on the performance of the facade. However, we recommend placing gaps every 1 or 2 floors. If there is too much distance between the open joints, the air flow, which heats as it moves upward, may reach the temperature of the exterior of the facade. This will prevent the air flow from heating up and will cut off the force that generates the chimney effect, causing the ventilated facade to cease working. The cavity must be closed enough to allow the chimney effect to develop. The size of the open joints will vary depending on their number. We recommend that they be at least 15 mm if they are sufficient and 50 mm if there are few of them.

E. AIR ENTRY AND EXIT

The facades perform best when air can flow freely through the chamber. We thus recommend that the entry and exit points of the air do not present too much resistance to the upward current. In order to achieve this, we recommend that they have the same size as the cavity width. It is important to keep in mind that the ventilated facade does not replace the rest of the functions of the cladding, namely, insullation, air and steam barriers and other elements that should be considered whether or not there is a ventilated facade.

F. INSULATION

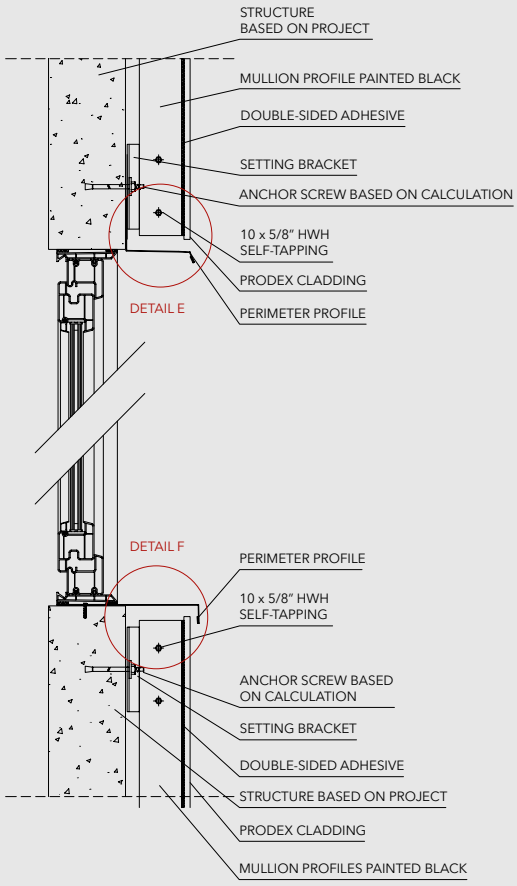
While the ventilated facade does not require thermal insulation to work, we recommend that this element be installed in order to avoid excessive temperature fluctuations inside of the building. Similarly, thermal bridges between the interior of the building and the ventilated facade are essential because the geometry of the latter lends itself to generating a significant exchange of heat between the outside and the building.

Hunter Douglas works with a variety of products that can be installed as a ventilated facade, increasing the variety of options to characterize the facade. Each product has specific characteristics that can be adjusted to each project.

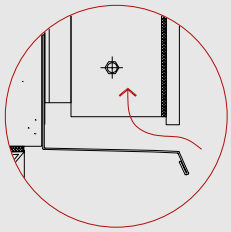
INSTALLATION

VENTILATED FAÇADE DIAGRAM
Façade window solution

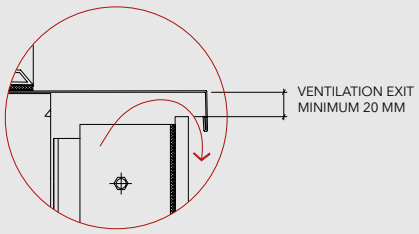
WINDOW CUTS

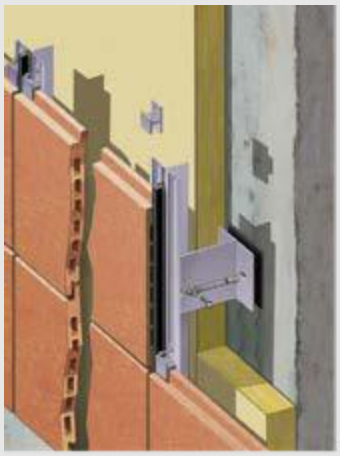


DETAIL E

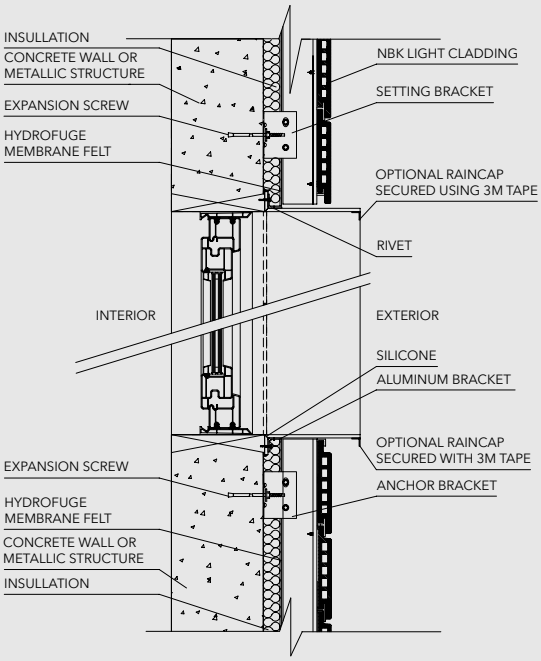


DETAIL F

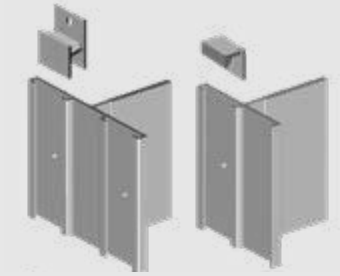




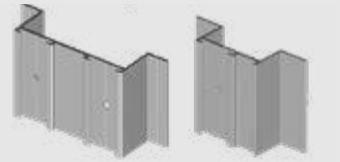
NBK FAÇADE WINDOW SOLUTION



FASTENING CLIPS



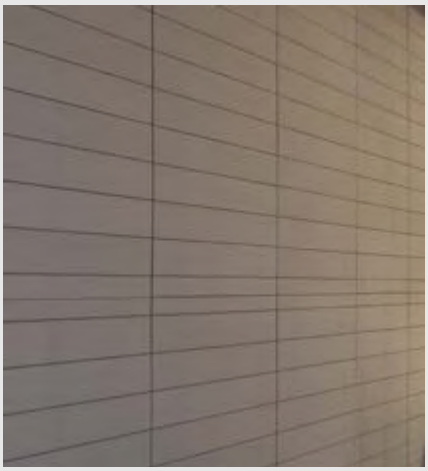
VERTICAL SUPPORT CLIPS

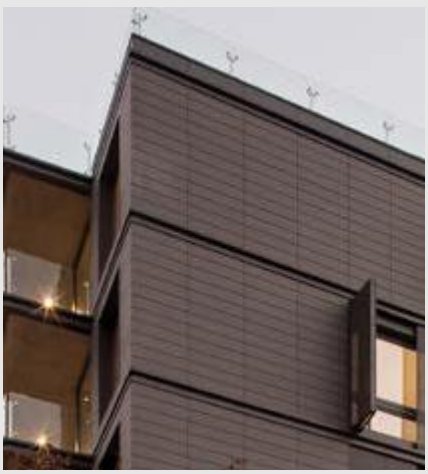



POLENI

NBK - TERRART

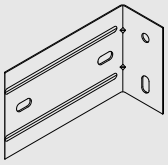
Facades | Ventilated Facades



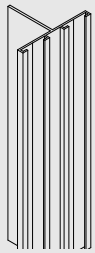


Poised on the cutting edge of technology and architecture, NBK is a Hunter Douglas company that is a leader in terracotta cladding for ventilated facades. NBK has been a pioneer in the manufacture and design of ventilated large format ceramic facades. The clay used to make the panels is a natural material that provides warmth and durability and has been used for centuries on structures around the world. It is a contribution to cutting edge architecture that offers flexibility, a rich range of colors and inherent sustainability.

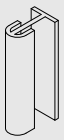
SETTING BRACKET
Material: Zincalum, 1.2 mm (locally made)



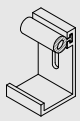
VERTICAL PROFILE
Material: Extruded aluminum (locally made)



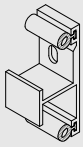
EPDM PROFILE
Material: Extruded EPDM



START AND END CLIP
Material: Extruded aluminum
Material: Extruded EPDM

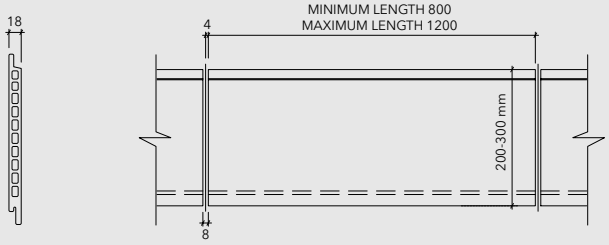


INTERMEDIATE CLIP
Material: Extruded aluminum
Material: Extruded EPDM

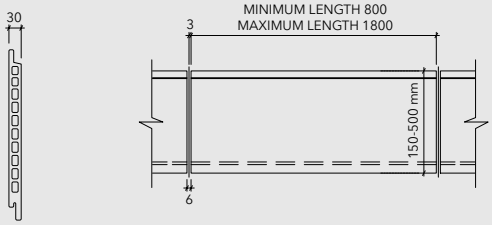


NBK FORMATS

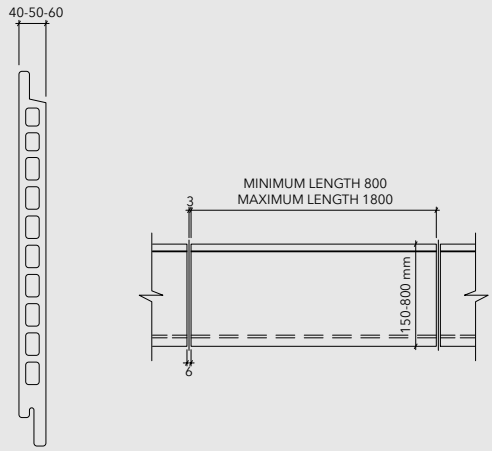
NBK LIGHT 18 mm SECTION



MID NBK SECTION

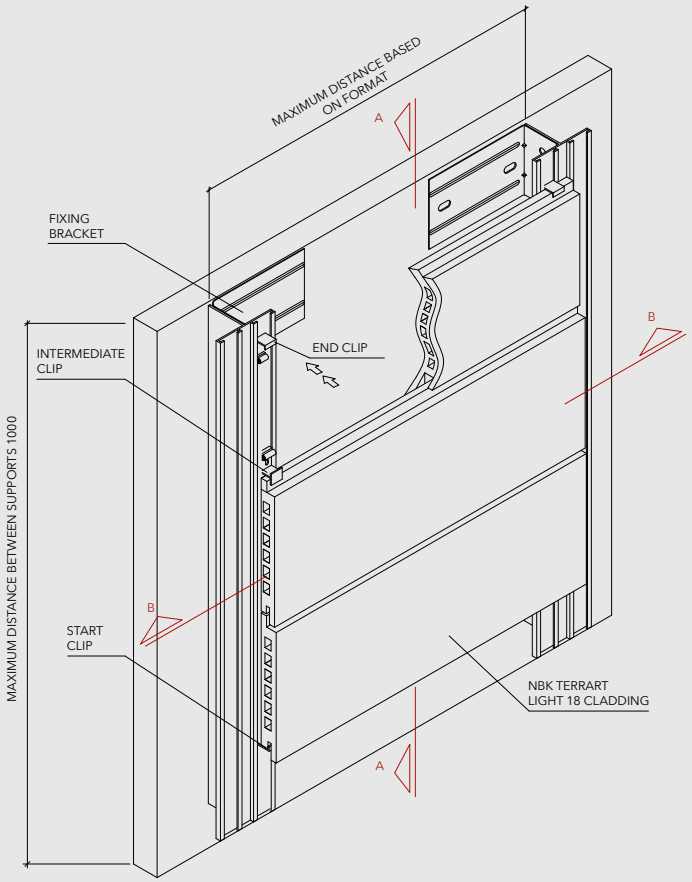


LARGE NBK SECTION

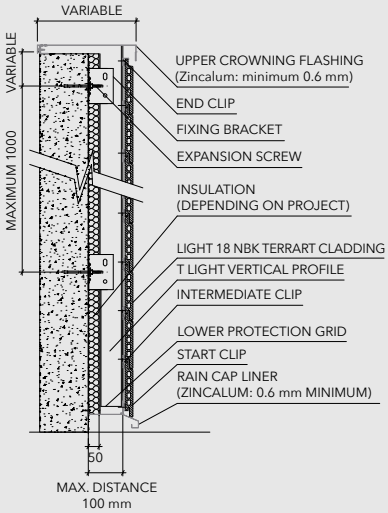


INSTALLATION

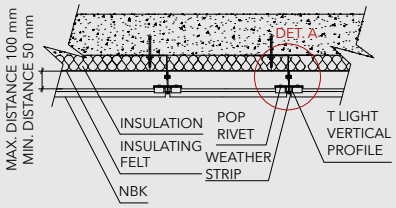
The installation system is composed of an aluminum sub-structure that allows misalignments of the wall to be absorbed as well as dry and quick installation. Aluminum and EPDM materials allow the cladding to be installed in any climate without changes to its composition.



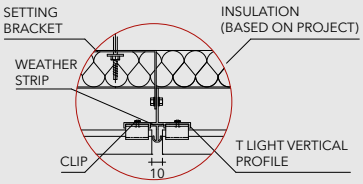
SECTION A



SECTION B



DETAIL



Note: The components of the product on this sheet are constantly subject to innovation and development, and may be subject to change. The measurements listed on this technical sheet are expressed in millimeters (mm). In order to ensure that the product functions properly, installation should always be completed by an authorized distributor using all of the accessories identified in accordance with Hunter Douglas technical specifications.

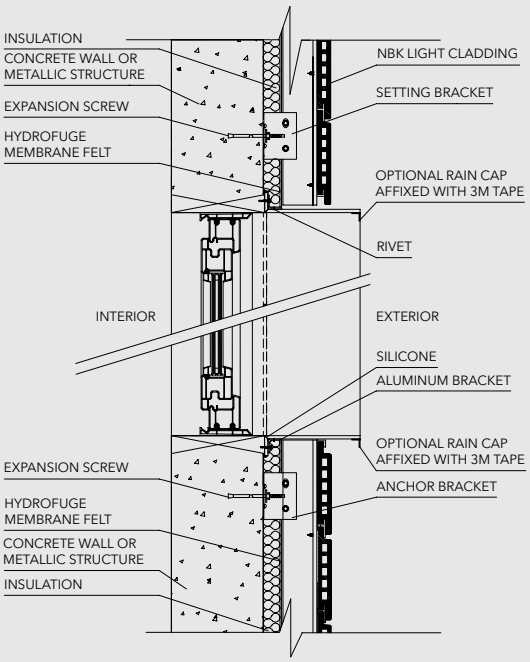
NBK - TERRART

Facades | Ventilated Facades

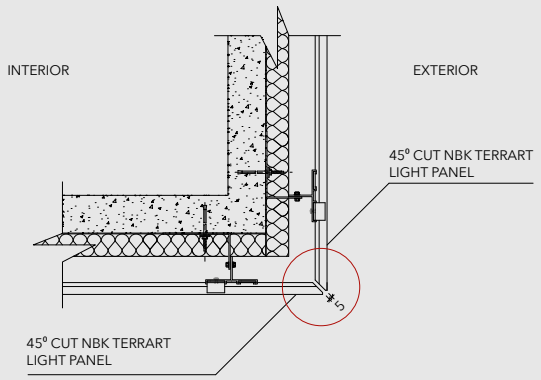
NBK - TERRART
Facades | Ventilated Facades

INSTALLATION

WINDOW DETAIL



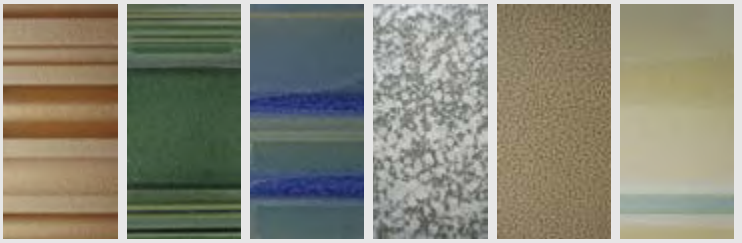
CORNER DETAIL



COLORS AND SURFACES

NBK uses a blend of pigments to achieve a wide range of colors. It is available in almost any shade. Clients can work with architects to create exclusive series that turn buildings into unique structures.
Surface: This product is available in three types of finishes: natural, polished and glazed.

ENAMELED (referential colors)



TEXTURES AND FINISHINGS


M1.01-0 Fine combed


M1.01-0 Medium combed

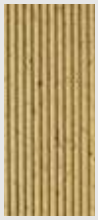

M1.02-0 Fine combed


M1.02-0 Medium combed

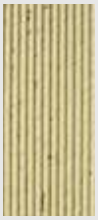

M2.01-0 Fine combed


M2.01-0 Medium combed


M3.01-0 Fine combed


M3.01-0 Medium combed

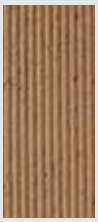

M4.01-0 Fine combed


M4.01-0 Medium combed


M5.01-0 Fine combed


M5.01-0 Medium combed

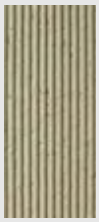

M6.01-0 Fine combed


M6.01-0 Medium combed


M7.01-0 Fine combed


M7.01-0 Medium combed


M7.02-0 Fine combed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M7.03-0 Fine combed


M7.03-0 Medium combed


M7.06-0 Fine combed


M7.06-0 Medium combed


M8.02-0 Fine combed


M8.02-0 Medium combed


M9.04-0 Fine combed


M9.04-0 Medium combed


M9.05-0 Fine combed


M9.05-0 Medium combed


M9.10-0 Fine combed


M9.10-0 Medium combed


M9.11-0 Fine combed


M9.11-0 Medium combed

M1.01-0 Natural


M1.01-0 Wirestruck

M1.02-0 Natural

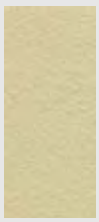

M1.02-0 Wirestruck


M2.01-0 Natural


M2.01-0 Wirestruck


M3.01-0 Natural


M3.01-0 Wirestruck


M4.01-0 Natural


M4.01-0 Wirestruck


M5.01-0 Natural

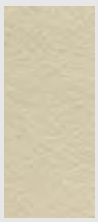

M5.01-0 Wirestruck


M6.01-0 Natural


M6.01-0 Wirestruck


M6.02-0 Natural


M6.02-0 Wirestruck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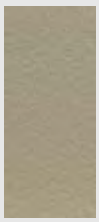
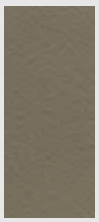
M7.01-0 Wirestruck


M7.02-0 Natural


M7.02-0 Wirestruck


M7.03-0 Natural


M7.03-0 Wirestruck


M7.06-0 Natural


M7.06-0 Wirestruck


M8.02-0 Natural


M8.02-0 Wirestruck


M9.04-0 Natural


M9.04-0 Wirestruck


M9.05-0 Natural


M9.05-0 Wirestruck


M9.10-0 Natural


M9.10-0 Wirestruck


M9.11-0 Natural

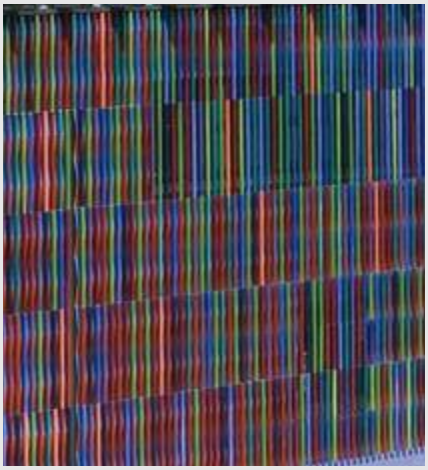

M9.11-0 Wirestruck

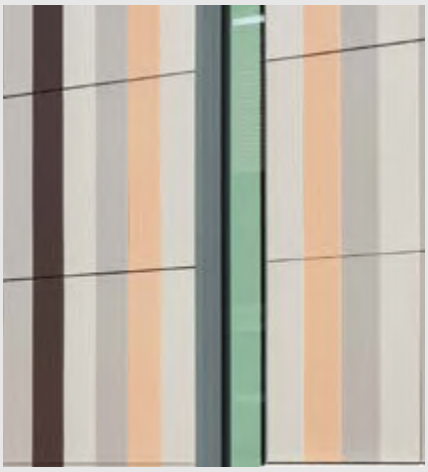
NBK - TERRART

Facades | Ventilated Facades

NBK - BAGUETTE

Facades | Ventilated Facades





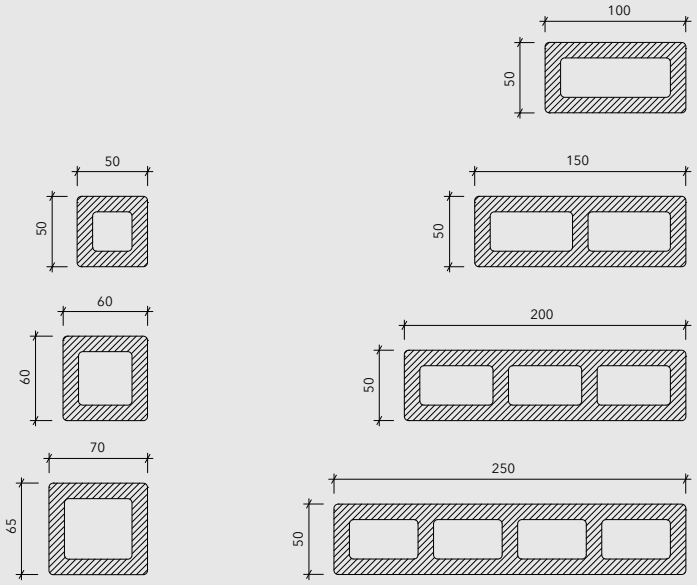
The Baguette is a ceramic profile with a square or rectangular section. This versatile product is mainly used on windows or for the design of ventilated facades. In the area of sun protection, the baguette offers ideal protection when used in combination with Terrart cladding.
It is easy to install with lateral supports or rear fasteners.

TECHNICAL DESCRIPTION

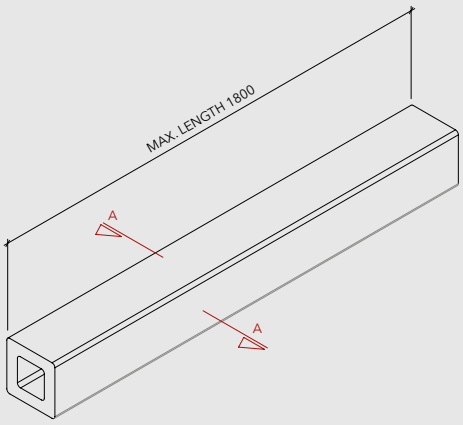
PRODUCT	MATERIAL	WEIGHT (kg/ml)	THICKNESS (mm)	MAXIMUM LENGTH (mm)
50 x 50 cm BAGUETTE	TERRA COTTA	3.75	11	1800

- Material: Ceramic terracotta cladding
- Formats: 7 types
- Colors: Available in over 20 standard colors and custom colors on request
- Uses: Louvre, cladding
- Maximum length: 1.80 m

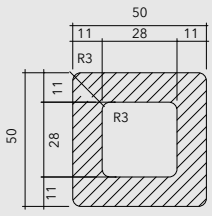
AVAILABLE SECTION FORMATS



BAGUETTE ISOMETRIC



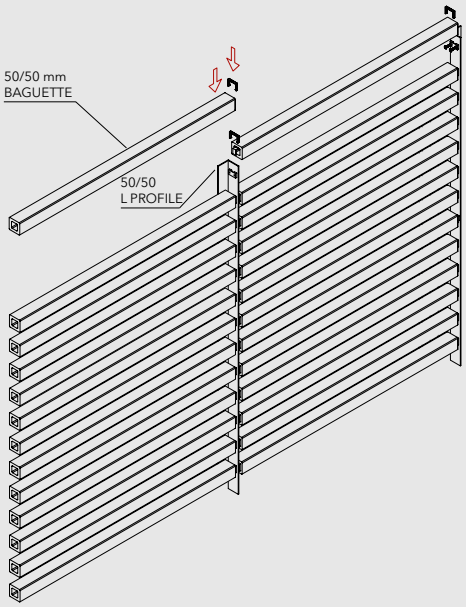
SECTION A



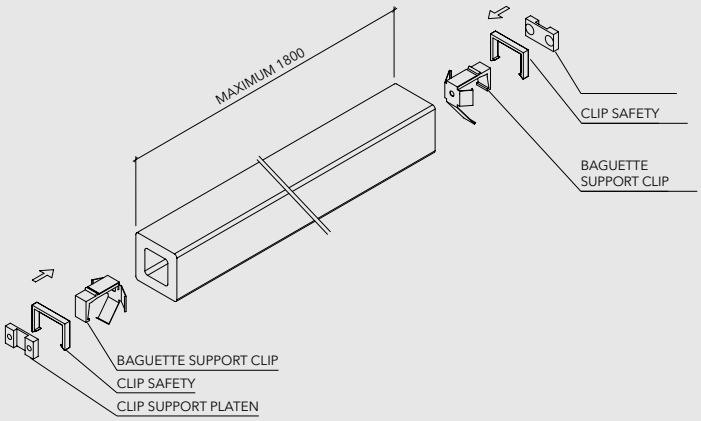
Note: Please consult with the Technical Department for other formats.

INSTALLATION

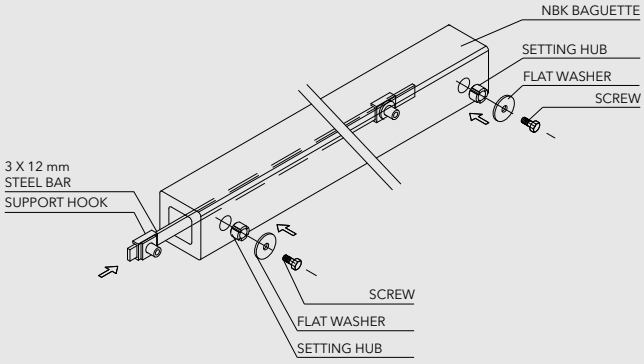
ISOMETRIC VIEW



LATERAL FIXING ISOMETRIC VIEW

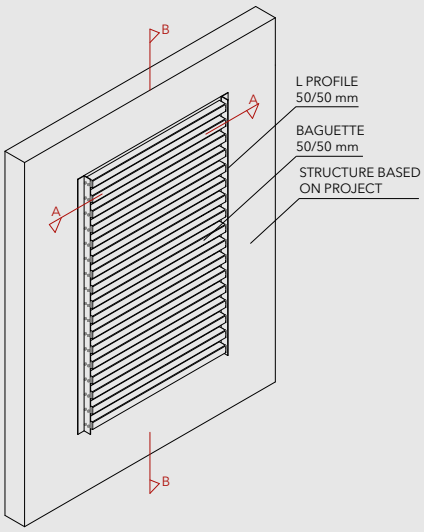


FRONT FIXING ISOMETRIC VIEW

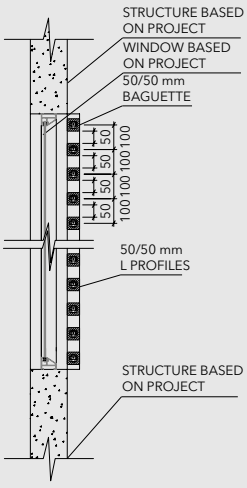


LATERAL SETTING ASSEMBLED SET

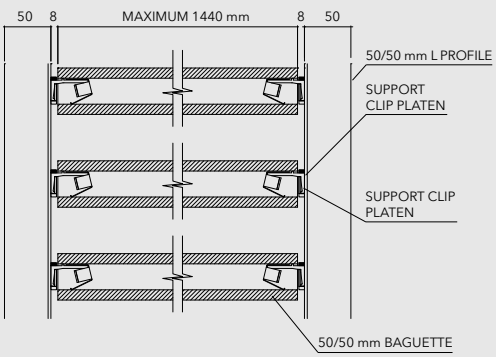
ISOMETRIC VIEW



SECTION B



SECTION A



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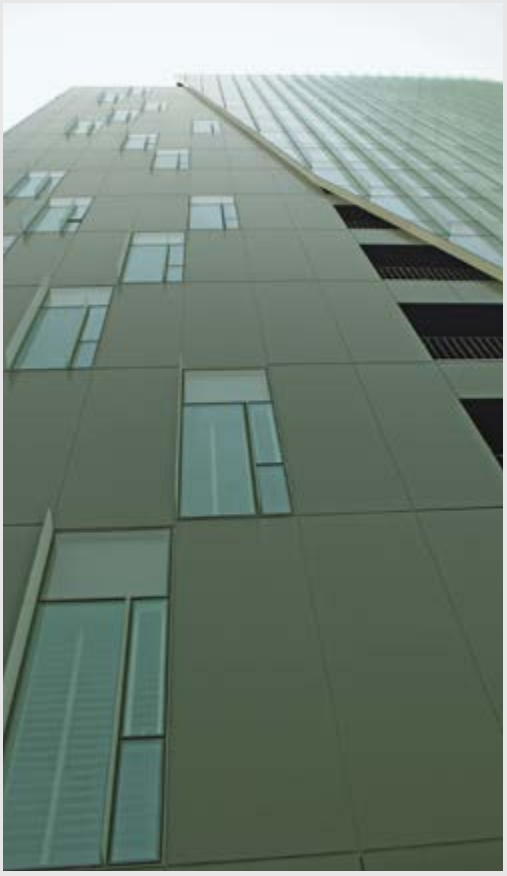
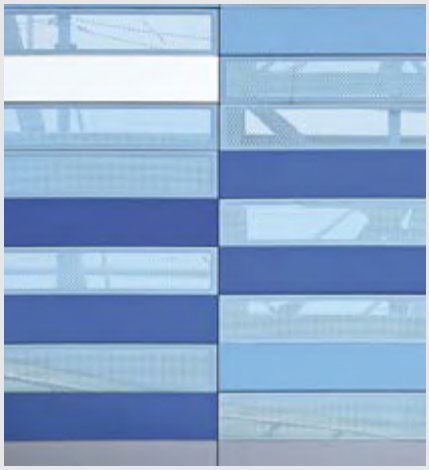
NBK - BAGUETTE
Facades



QUADROCLAD
Facades | Ventilated Facades



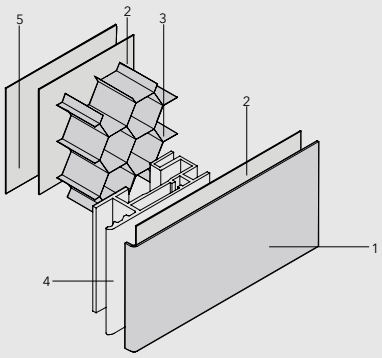
QuadroClad is a ventilated facade formed by panels composed of aluminum or zincalum strips on the exterior and an aluminum honeycomb structure on the inside. Due to its composition, this is the product that presents the best planimetry compared to other metallic facades. This is because its honeycomb base gives it exceptional structural properties. The QuadroClad trays' perimeter features hidden profiles, which allows for both a mounting system that allows the panel to expand, hides the fasteners and makes assembly easy. The installation generates 10 mm of gap between them. They can also alternate with panes of glass (QuadroGlass).

PRODUCT DESCRIPTION

PRODUCT	MATERIAL	THICKNESS (mm)	MODULE	MAX. LENGTH TO FACE (mm)	TRAY WEIGHT (kg / m²)
QUADROCLAD PANEL	ALUMINUM	Tray: 0.7 Cap: 0.5	395	3990	9.6
			595		8.1
	ZINCALUM	Tray: 0.6 Cap: 0.4	395		14.6
			495		13.6
			595		12.9
			695		12.5

- Material: Aluminum or zincalum
- Thickness: 0.5 mm interior skin and 0.7 mm exterior skin in aluminum
  0.4 mm interior skin and 0.7 mm exterior skin in zincalum
- Colors: Available in over 100 standard colors and custom colors upon request
- Use: Exterior and interior cladding
- Finish: Flat
- Lengths: Maximum length 4 meters to axis
- Other materials: Zinc or copper

COMPOSITION

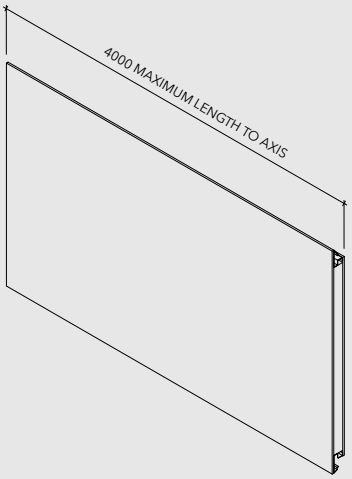


1. Exterior skin in zincalum or aluminum
2. Adhesive
3. Aluminum honeycomb
4. Perimeter aluminum extrusion
5. Interior skin in zincalum or aluminum

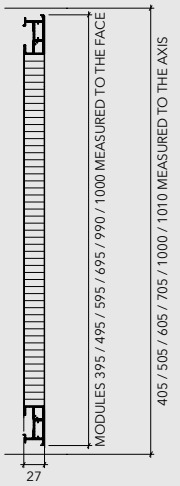
ASSEMBLY

This product is installed without visible fasteners using a hidden profile system that allows for expansion and easy assembly.

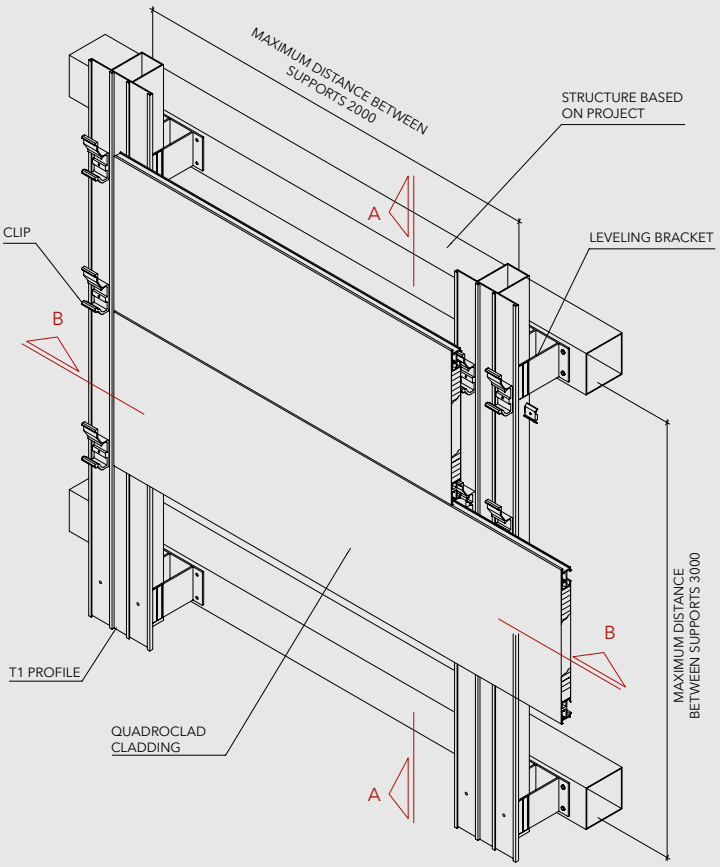
QUADROCLAD PANEL



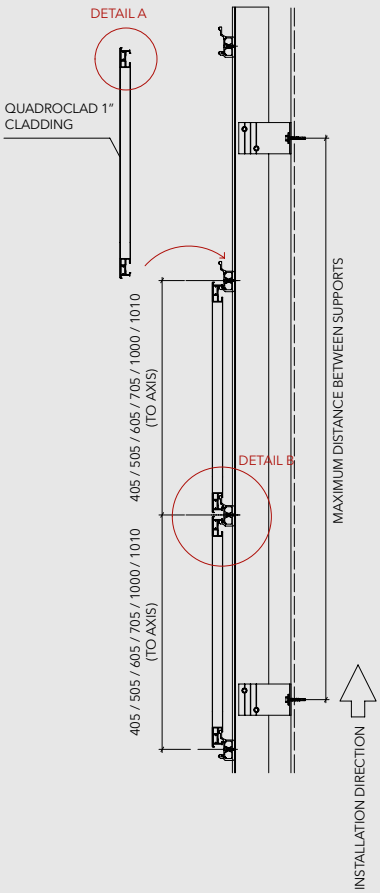
PANEL SECTION



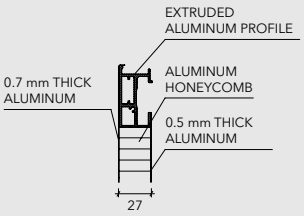
ALUMINUM QUADROCLAD INSTALLATION



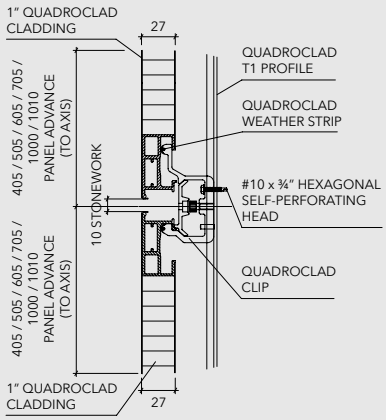
SECTION A



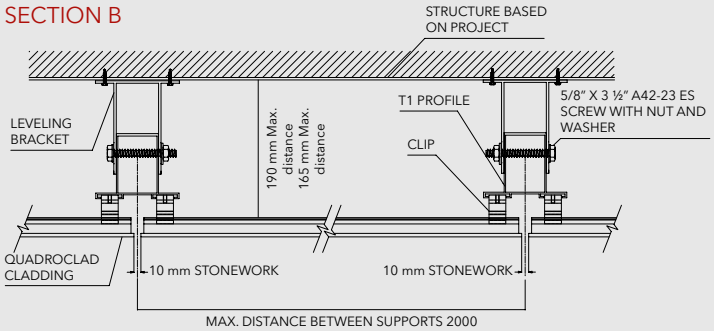
DETAIL A



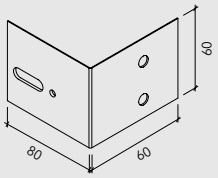
DETAIL B



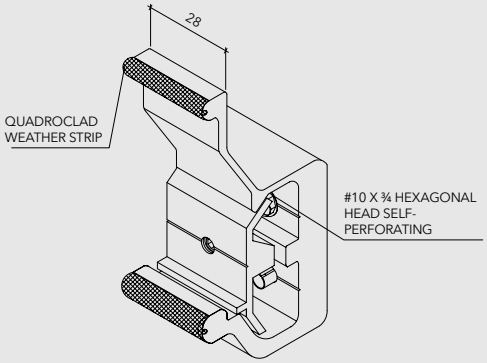
SECTION B

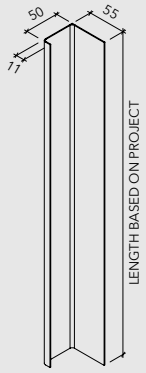


QUADROCLAD FIXING COMPONENTS

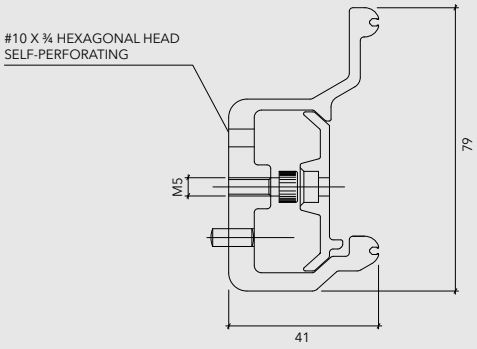


ANCHOR BRACKET
ZINCALUM QUADROCLAD
MATERIAL: HOT GALVANIZED STEEL
MEASUREMENTS: 80 X 60 X 2.5 MM



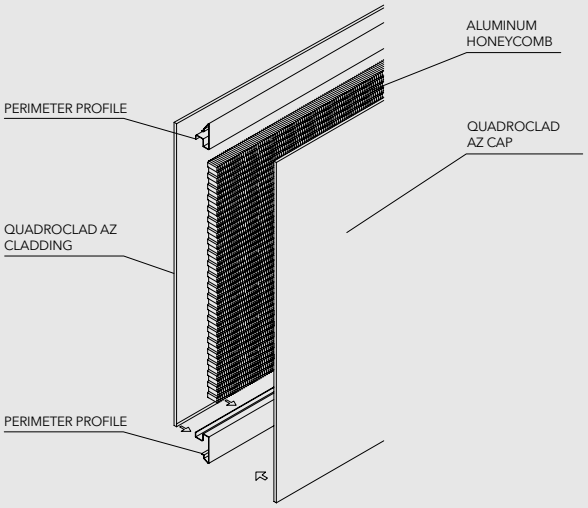


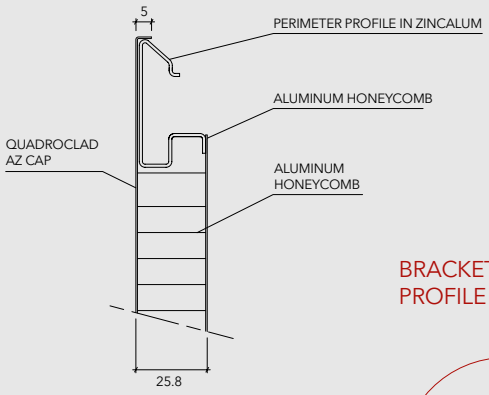
MULLION PROFILE
MATERIAL: 1.5 MM ZINCALUM
LENGTH BASED ON PROJECT



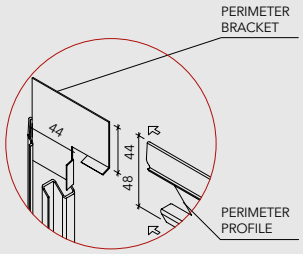
QUADROCLAD CLIP
MATERIAL: EXTRUDED ALUMINUM
LENGTH: 28 mm

QUADROCLAD INSTALLATION

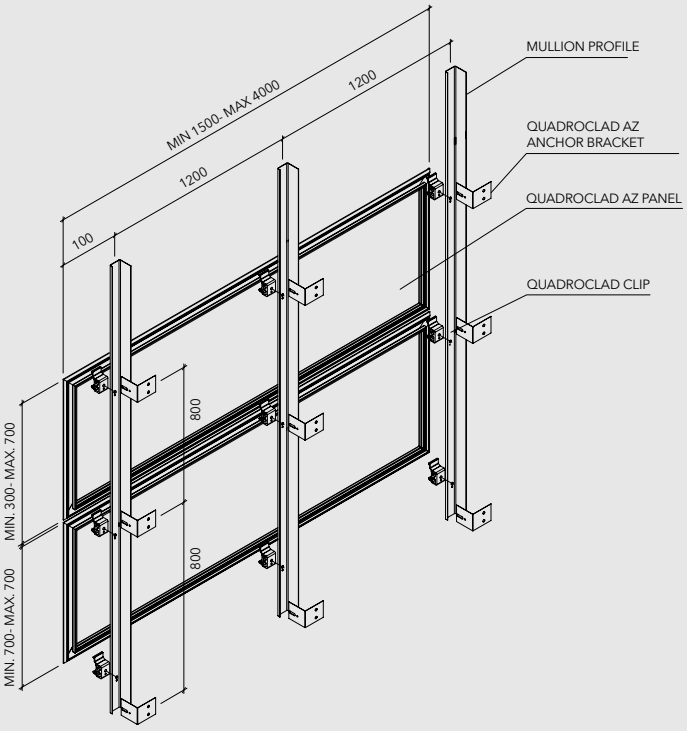


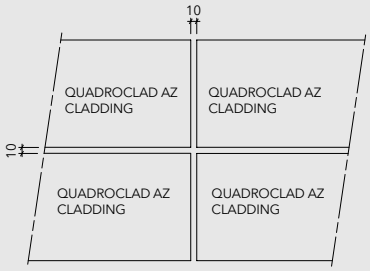


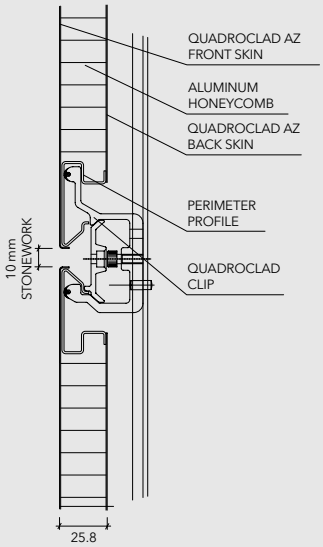
BRACKET AND PERIMETER PROFILE FIXING DETAIL

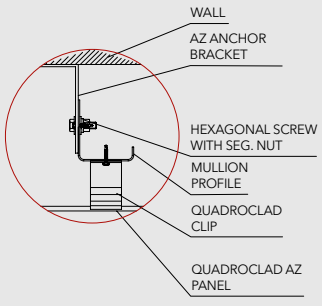


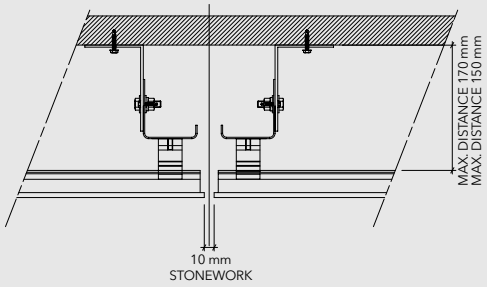
INSTALLATION SYSTEM











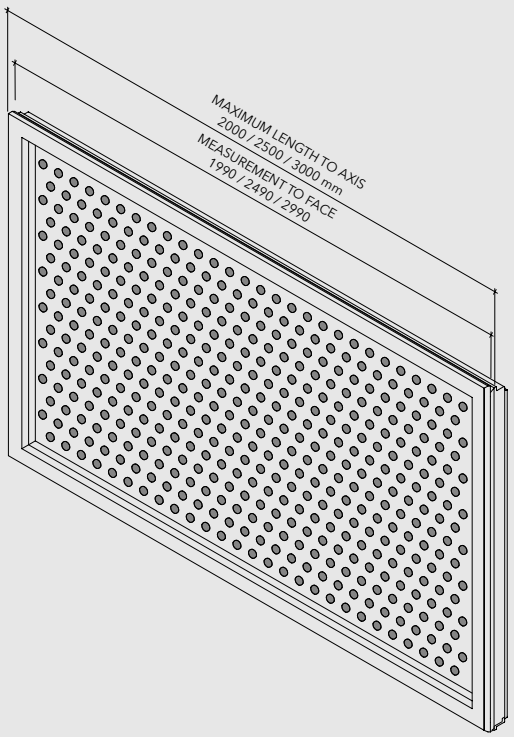
QuadroGlass is a ventilated glass facade composed of perforated zincalum strip panels encapsulated between two glass panes or screen-printed glass. The panels leave 10 mm of gap between glass panes or can alternate with metallic (QuadroClad) panels.

PRODUCT DESCRIPTION

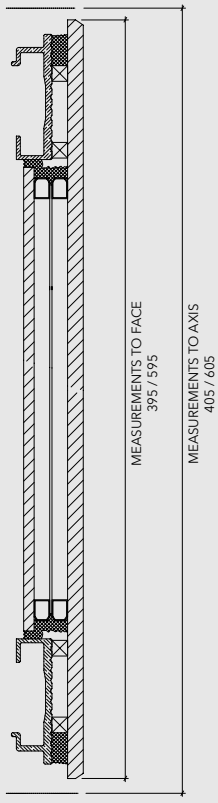
- Material: Tempered glass (exterior)
- Thickness: 6 mm
- Material: Crude glass (interior)
- Thickness: 4 mm
- Material: Zincalum (strip between panes)
- Thickness: 0.5 mm
- Perforated strip: Available in over 100 standard colors and in custom colors
- Use: Exterior and interior cladding
- Finish: Perforated (strip between panes)
- Lengths: Maximum length 1900 / 2490 / 2990 meters to axis

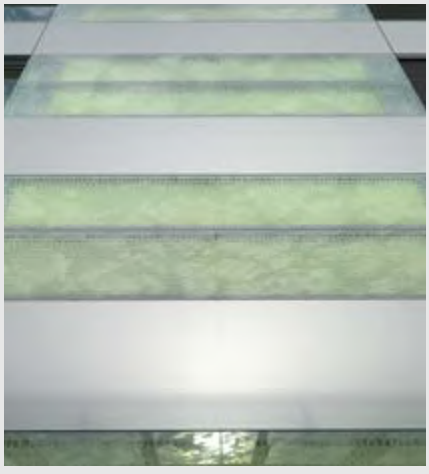
PRODUCT	MATERIAL	WIDTH TO FACE (mm)	MAX. LENGTH TO FACE (mm)	WEIGHT (Kg/m²)	YIELD (paneles/ml)
QUADROGLASS PANEL	TEMPERED GLASS (6 mm exterior face) + ZINCALUM STRIP (0.5 mm between panes) + RAW GLASS (4 mm interior face)	395	1990	29.70	2.46
		395	2490	37.16	
		395	2990	44.63	
		595	1990	44.74	1.65
		595	2490	55.98	
		595	2990	67.23	

QUADROGLASS PANEL

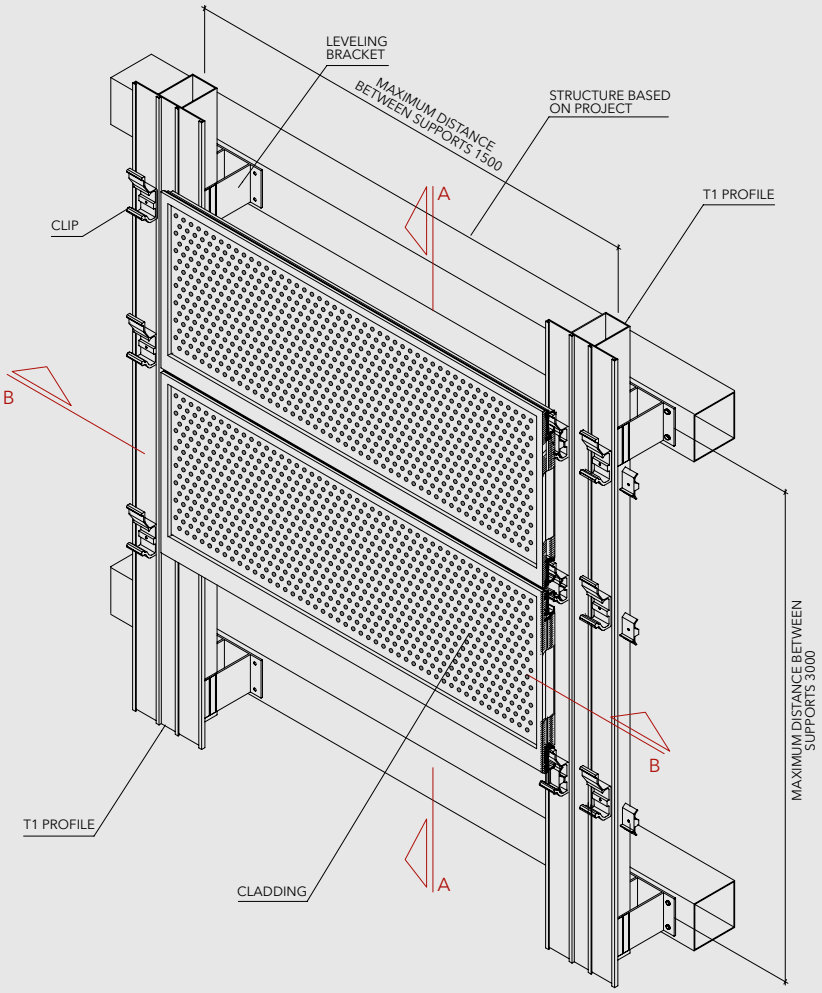


PANEL SECTION



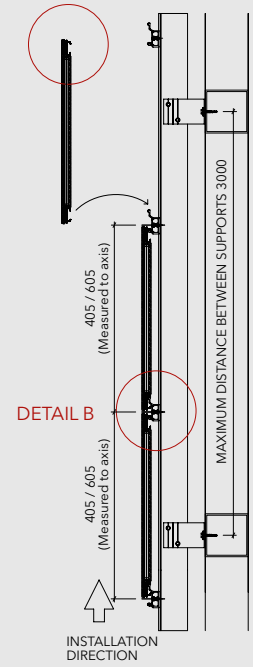


INSTALLATION

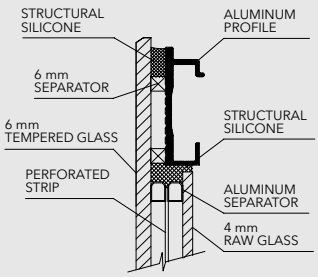


SECTION A

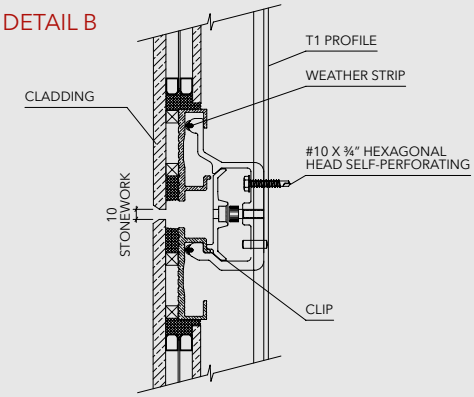
DETAIL A



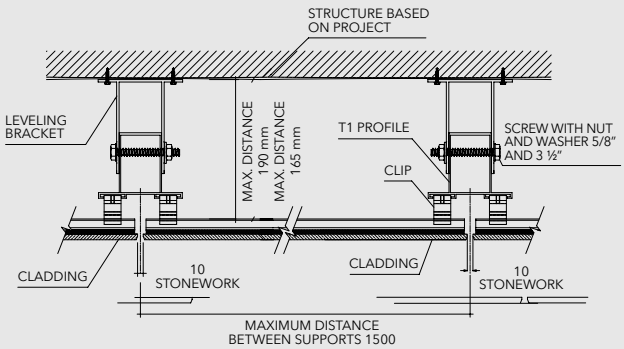
DETAIL A



DETAIL B

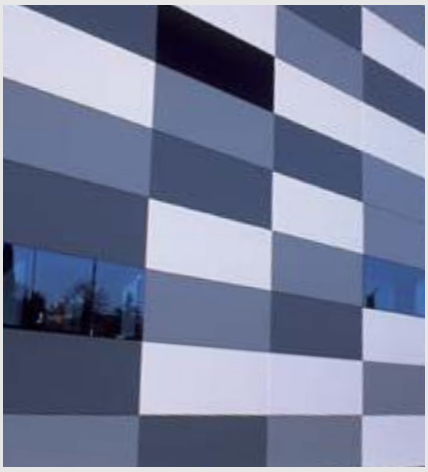


SECTION B



ASSEMBLY

This product is installed without exposed fasteners using a hidden profiling system that allows for expansion and easy assembly.

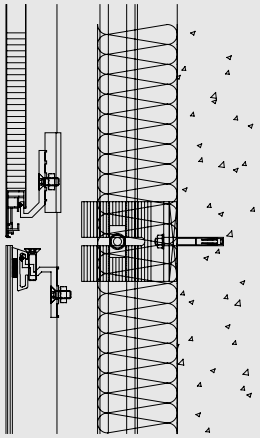


QUADROGLASS

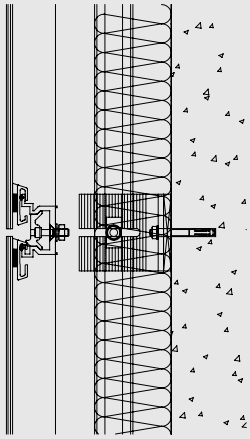
The construction system that this product uses is ideal for recovery application or retrofitting facades because it allows for functional and aesthetic reconstruction of the entire exterior of the building without the need to replace windows.

COMBINATION OF PANELS

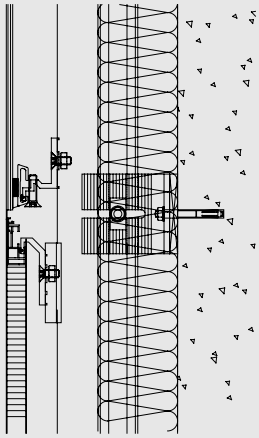
METAL - GLASS



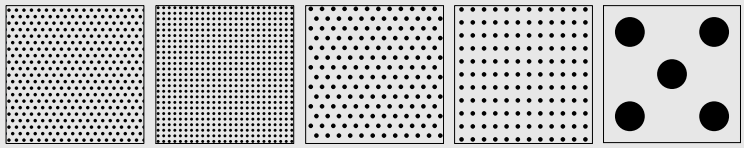
GLASS - GLASS



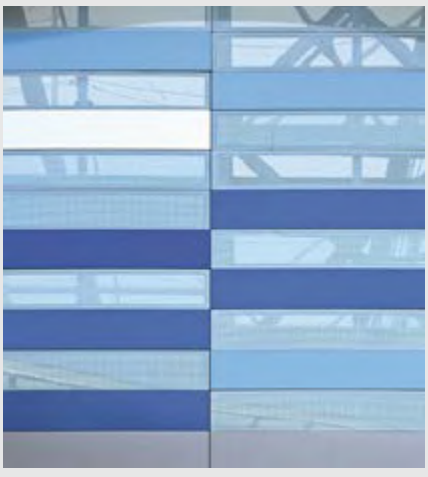
GLASS - METAL

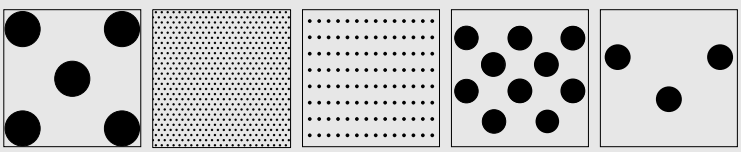


STANDARD PERFORATIONS



# 103	# 106	# 110-M1	# 110-M3	# 112
Ø 2,95 $^{\pm 0,05}$ mm	Ø 2.5 $^{\pm 0,05}$ mm	Ø 3,9 $^{\pm 0,05}$ mm	Ø 3,9 $^{\pm 0,05}$ mm	Ø 10 mm
20% open	16% open	15% open	12% open	20% open
3.35 mm	3 mm	5.53 mm	5.53 mm	18 mm
2.5 mm	3 mm	4.25 mm	7 m	4 mm

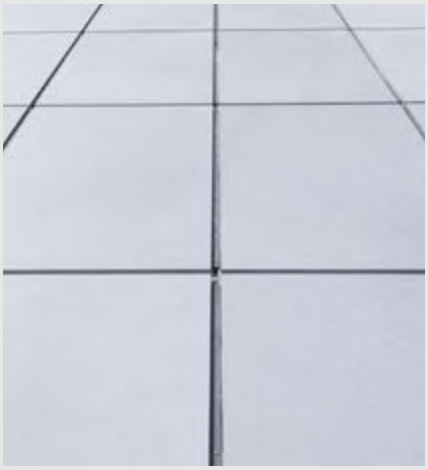




# 113	# 118	# 118 M2	# 130	# 131
Ø 15 mm	Ø 2 mm	Ø 2 mm	Ø $10^{\pm 0,05}$ mm	Ø $15^{\pm 0,05}$ mm
20% open	15% open	7.3% open	30% abierto	10% open
27 mm	8.6 mm	3 mm	12.6 mm	50 mm
6 mm	5 mm	6.6 mm	1.3 mm	12 mm

QUADROCLAD S25 - S14

Facades | Ventilated facades



In contrast to the standard option, this version of QuadroClass S25-S14 does not have hidden profiling inside of it, which makes it possible to curve panels, maintaining their main attributes, the planimetry, and mechanical resistance.

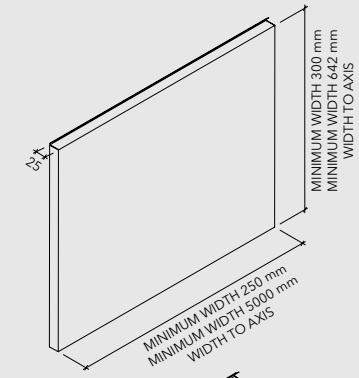
TECHNICAL DESCRIPTION

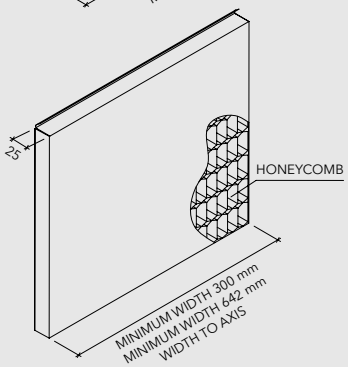
CHARACTERISTICS	QUADROCLAD S25	QUADROCLAD S14
DIMENSIONS (mm) Panel thickness Panel width Maximum lengths	 25 300 - 472 569 600 642 5.500	 14 300 - 472 - 569 - 600 -642 5.000
MATERIALS Front skin Structural filling Front skin	Corten steel, aluminum, Zincalum, copper or zinc, aluminum honeycomb, Zincalum or aluminum	
APPROXIMATE WEIGHT (kg/m^2)	10 - 11	8.9
FINISH (exposed face)		
FINISH PAINT ON FRONT SKIN	Regular, polyester, PVDF-2 (optional)	Regular, polyester, PVDF-2 (optional)
COLORS (regular polyester paint)	Available in over 100 standard colors and custom colors on request.	

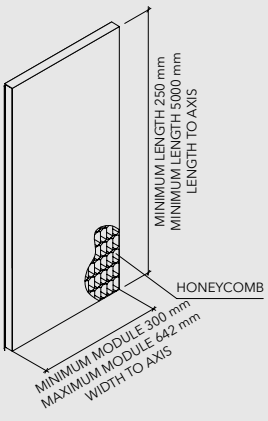
(*) The weights of this project vary depending on the module.

Note: Tray with exposed aluminum mill finish tray only perforated.

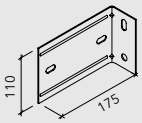
SIMPLE QUADROCLAD (WITHOUT INTERIOR PROFILE)





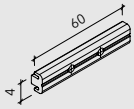


SUPPORT BRACKET

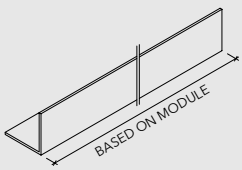


MULLION PROFILE

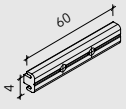
FIXING CLIP



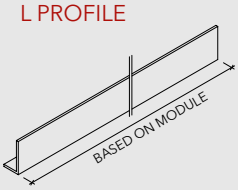
25 x 25 x 1.3 mm L PROFILE



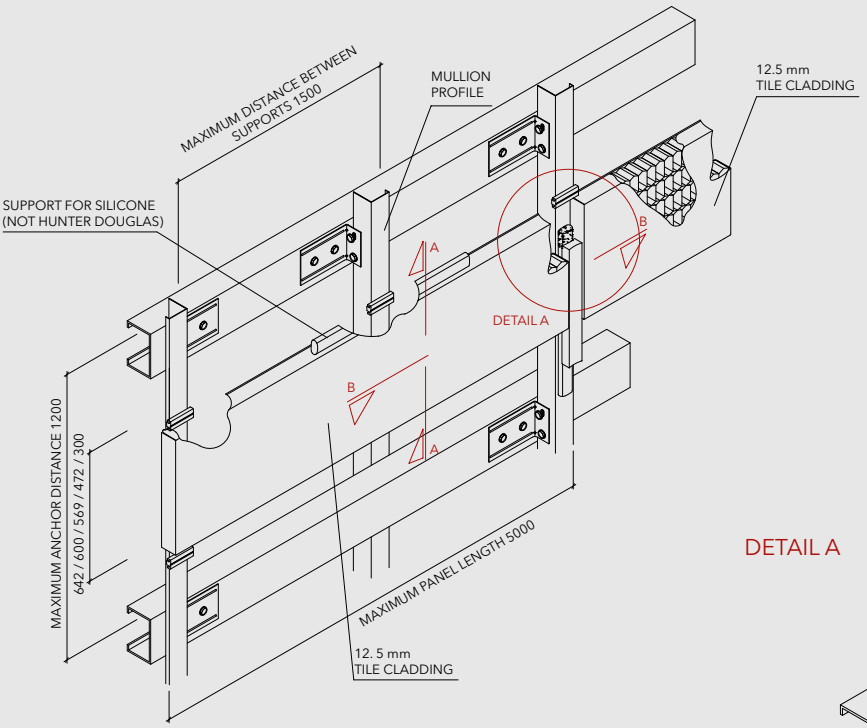
FIXING CLIP



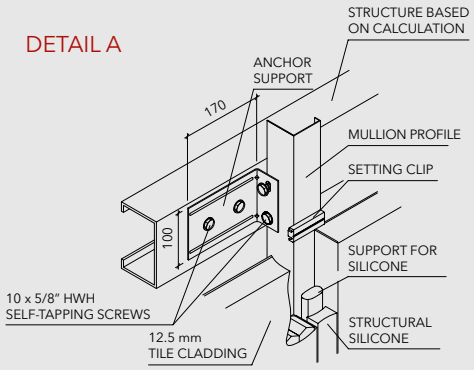
10 x 20 x 1.3 mm L PROFILE



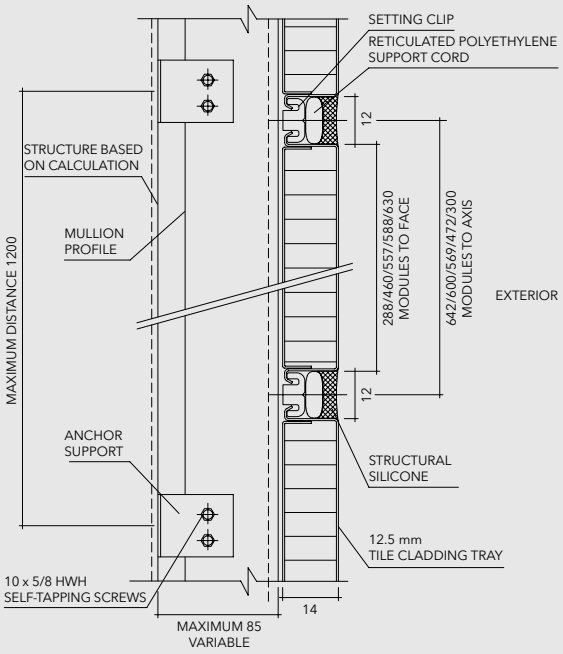
INSTALLATION



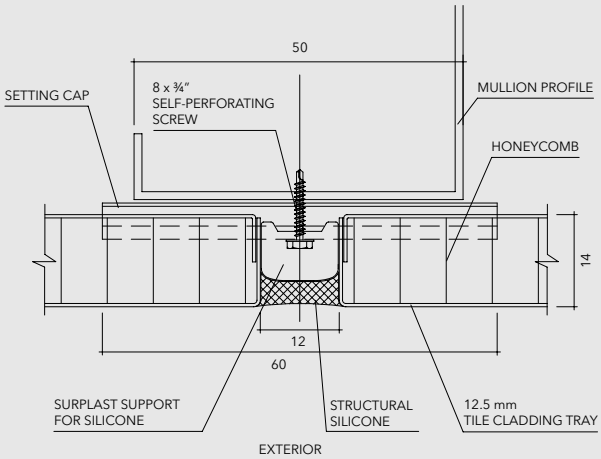
DETAIL A



SECTION A



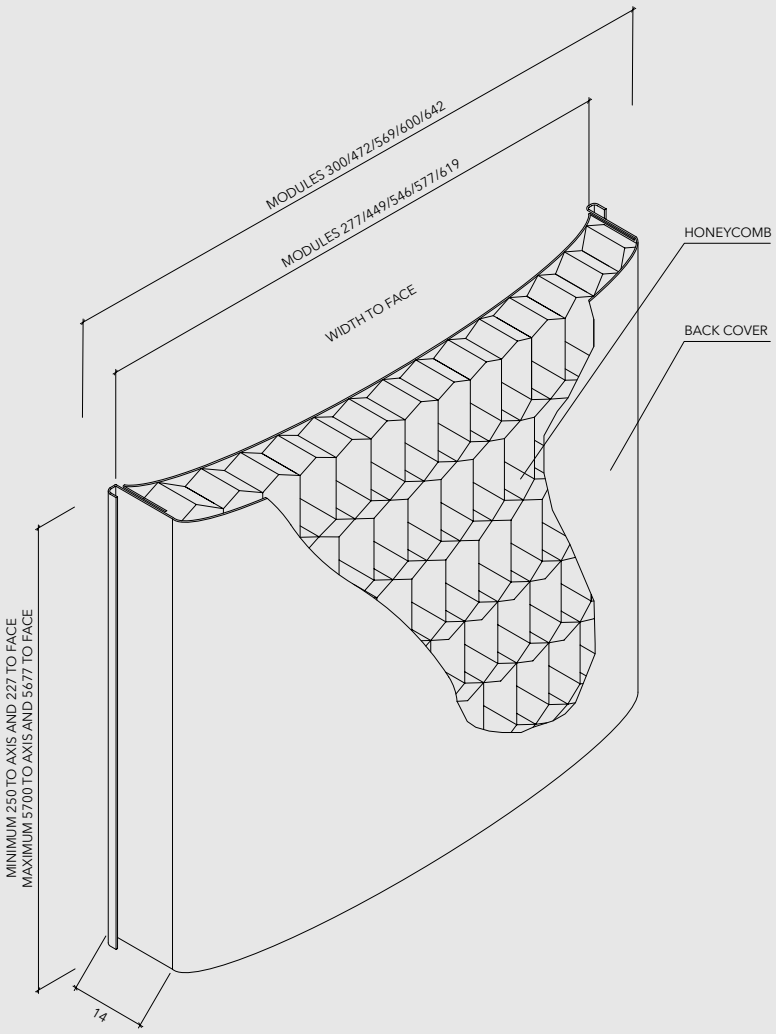
SECTION B



QUADROCLAD CURVES-25- S-14

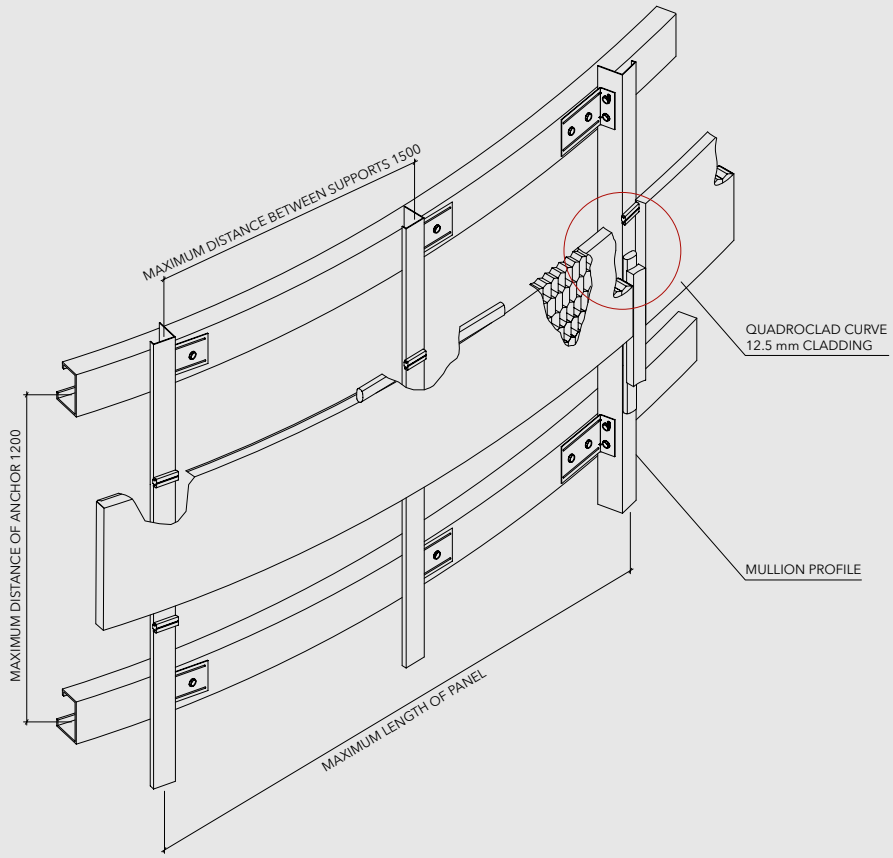
Facades | Ventilated facades

PANEL OF EXTREME MECHANICAL RESISTANCE CURVED IN THE FACTORY
SMALL CURVATURE RADIO

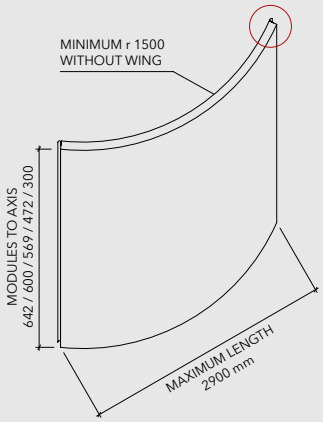


THICKNESS (mm)	CONDITION	RADIUS (mm)
25	WITHOUT WING ON LENGTH	3000 > R > 1500 IN LENGTH
	WITH WING ON LENGTH	R > 3000 IN LENGTH
14	WITHOUT WING ON LENGTH	3000 > R > 1500 IN LENGTH
	WITH WING ON LENGTH	R > 3000 IN LENGTH
	WITHOUT WING IN MODULE	R > 200 IN MODULE

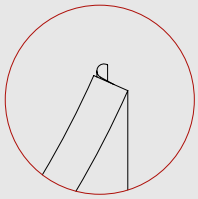
INSTALLATION



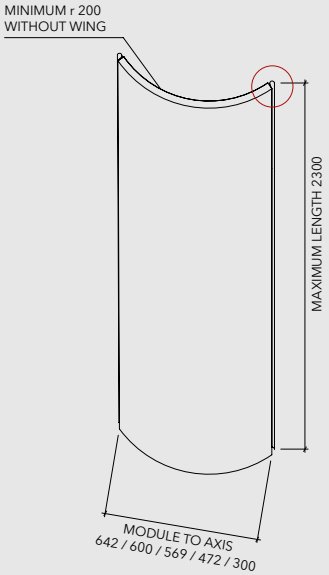
12.5 mm CURVE



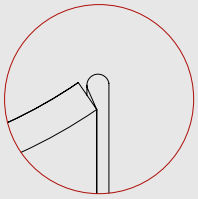
DETAIL A

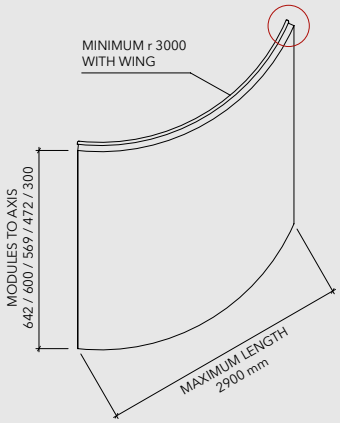


12.5 mm CURVE TILE CLADDING

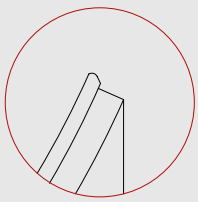


DETAIL C

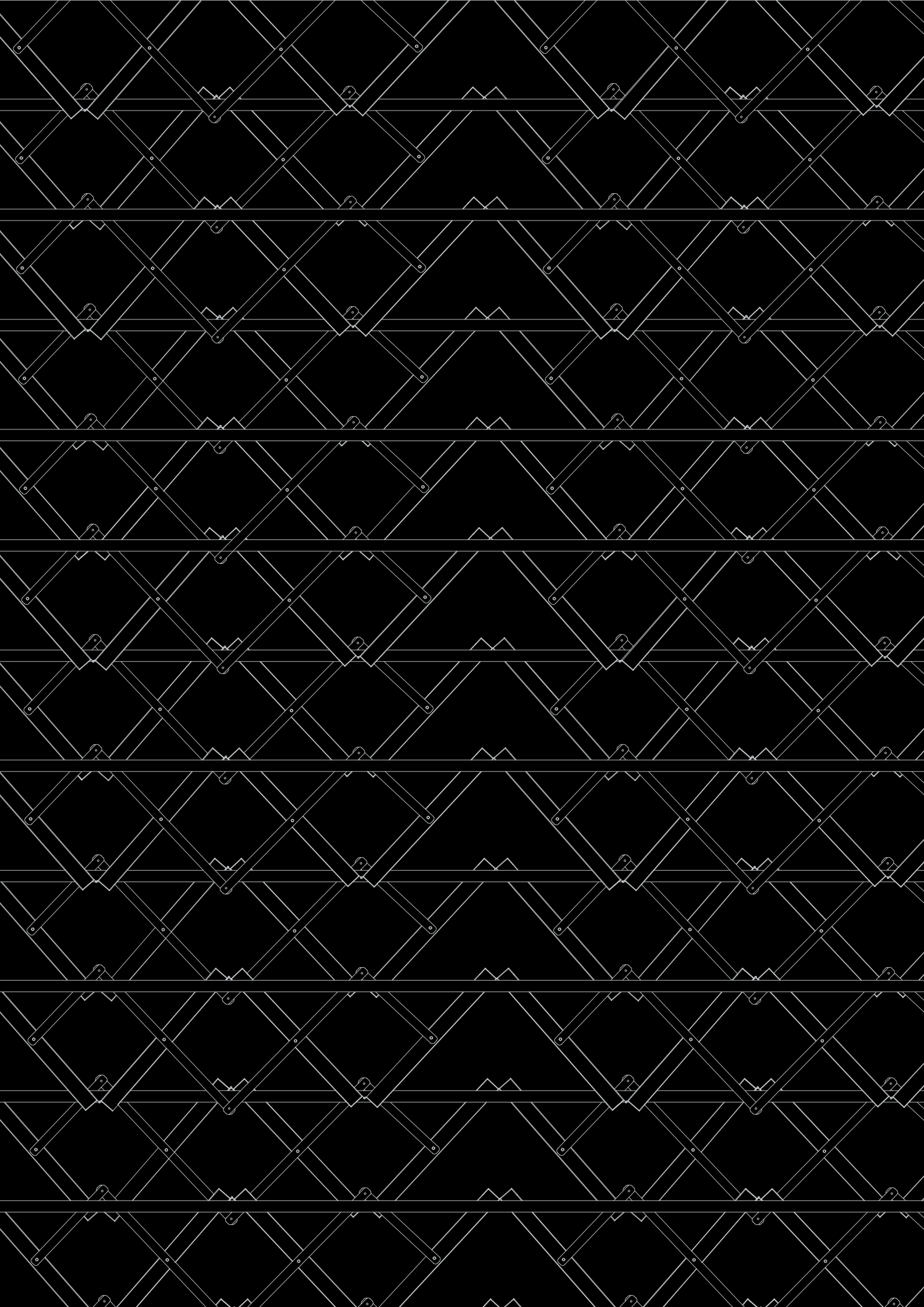


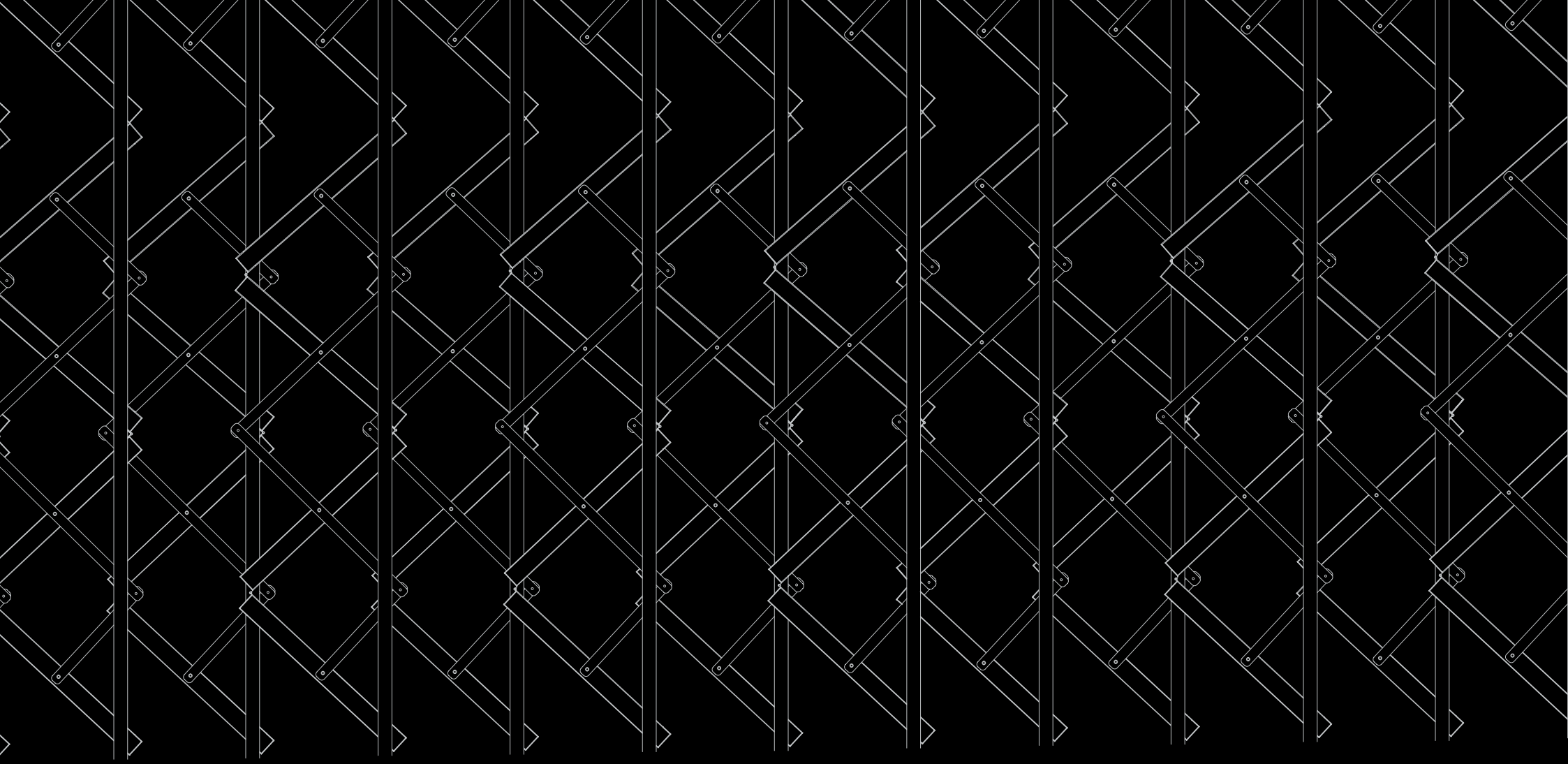


DETAIL B



Note: The components of the product on this sheet are constantly subject to innovation and development, and may be subject to change. The measurements listed on this technical sheet are expressed in millimeters (mm). In order to ensure that the product functions properly, installation should always be completed by an authorized distributor using all of the accessories identified in accordance with Hunter Douglas technical specifications.





FOLDING & SLIDING SHUTTERS SUBLINE

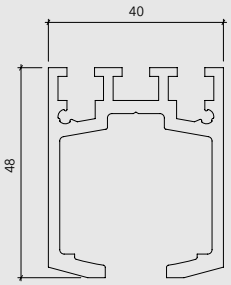
FOLDING & SLIDING SHUTTERS

FOLDING & SLIDING SHUTTERS
Facades

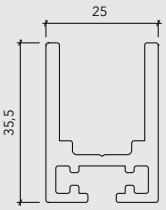
Hunter Douglas offers folding and sliding shutters with an architectural aesthetic that deliver sun control solutions and are durable, colorful and regulate heat and light. With the introduction of a new generation of Folding & Sliding Shutters, Hunter Douglas has created an elegant, flexible, high performance solution for exterior sun control, mainly for residential applications, and also for office and commercial buildings. The various inlayer alternatives such as Metalbrise, Woodbrise, ScreenPanel and fabrics allow this solution to be customized to meet the architect's aesthetic and functional requirements. The extrusions that compose the aluminum frame and their accessories meet high standards, ensuring perfect performance over time for the sliding or folding system.
Hunter Douglas Sliding & Folding Shutters are the perfect solution for improving interior thermal and visual comfort in a building, creating an eye-catching, colorful exterior. Available in a wide range of colors, providing facades with a high quality architectural appearance.

STANDARD COMPONENTS

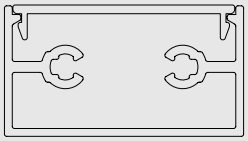
UPPER RAIL
Material: Aluminum
Finish: Anodized or painted



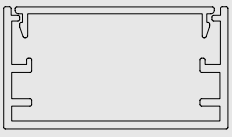
LOWER U-TYPE RAIL



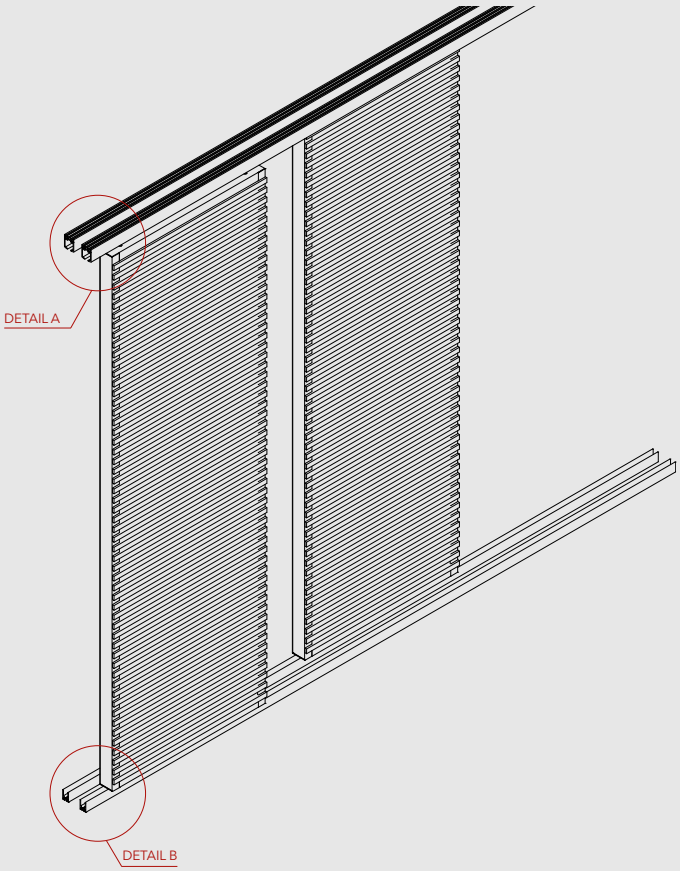
HORIZONTAL PROFILE
Material: Aluminum
Finish: Anodized or painted



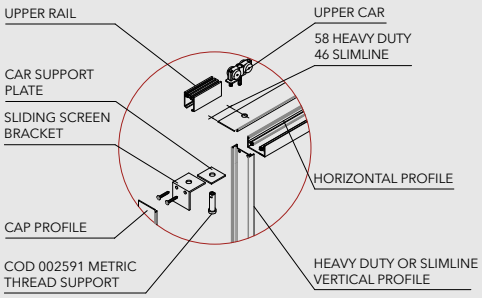
HEAVY DUTY (VERTICAL) PROFILE
Material: Aluminum
Finish: Anodized or painted



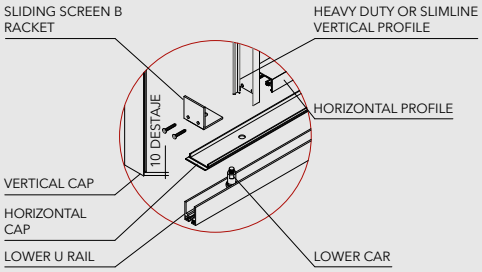
SLIDING SHUTTERS INSTALLATION



DETAIL A

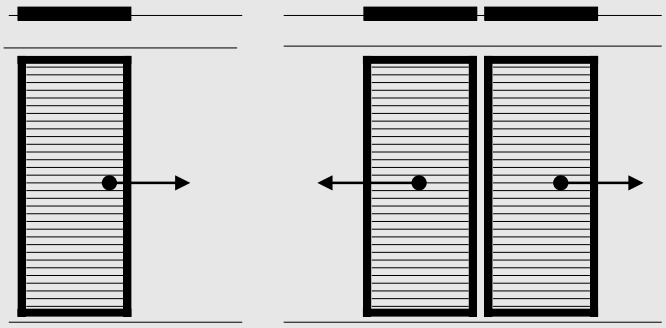


DETAIL B

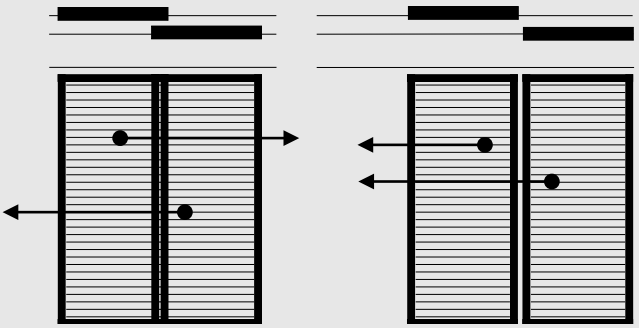


SLIDING ALTERNATIVES

1 RAIL

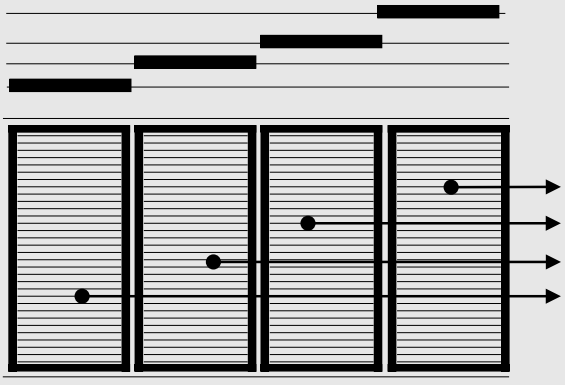


2 RAILS

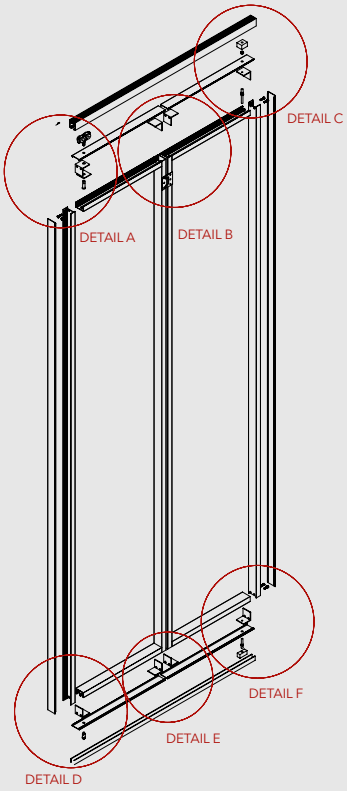


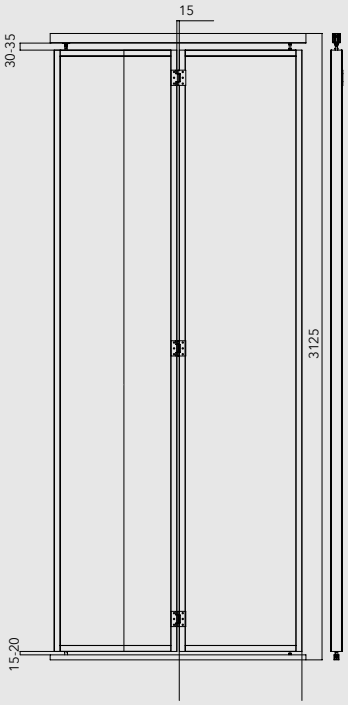
3 RAILS

4 RAILS



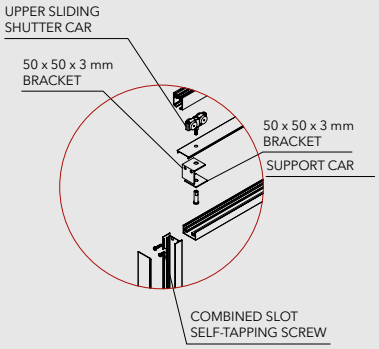
INSTALLATION OF FOLDING & SLIDING SHUTTERS



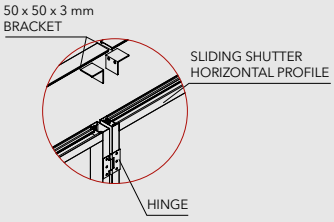


Note: The dimensions of the sheets should be assessed based on the project.

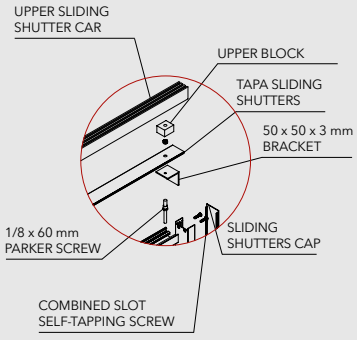
DETAIL A



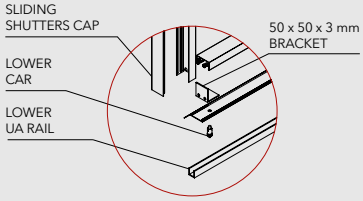
DETAIL B



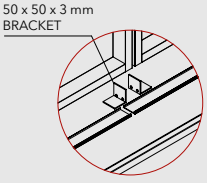
DETAIL C



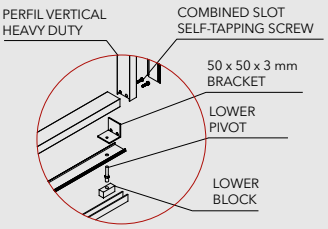
DETAIL D



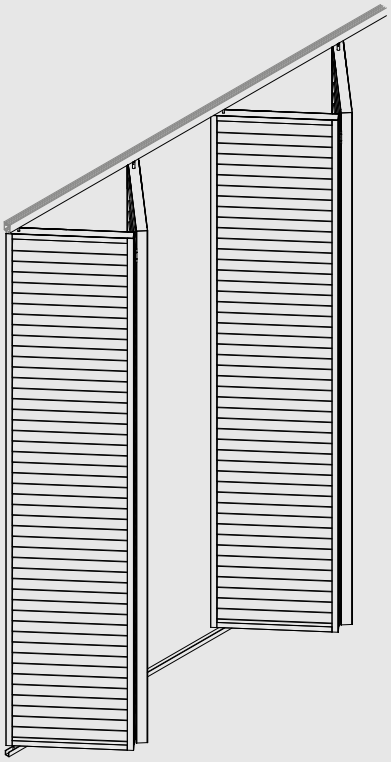
DETAIL E

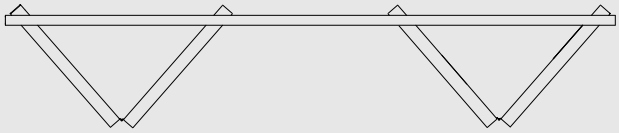


DETAIL F

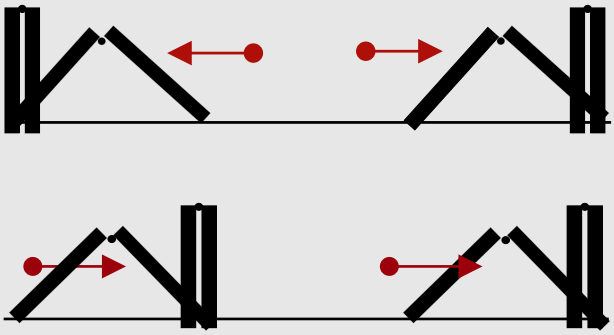


TWO SHEETS FOLDING SHUTTERS

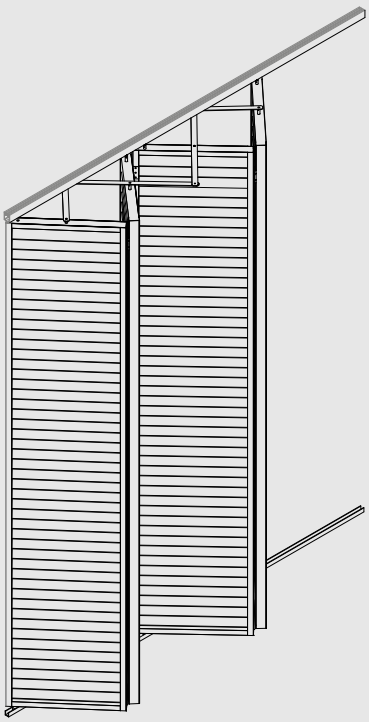


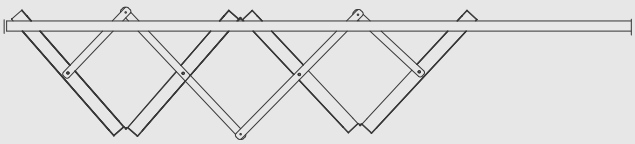


INSTALLATION OPTIONS FOR TWO SHEET SLIDING SHUTTER

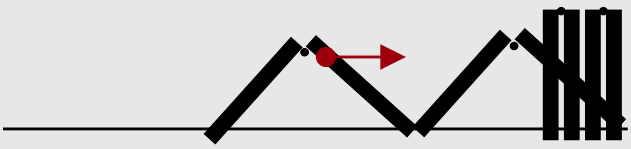


FOUR SHEETS FOLDING SHUTTERS SIDE



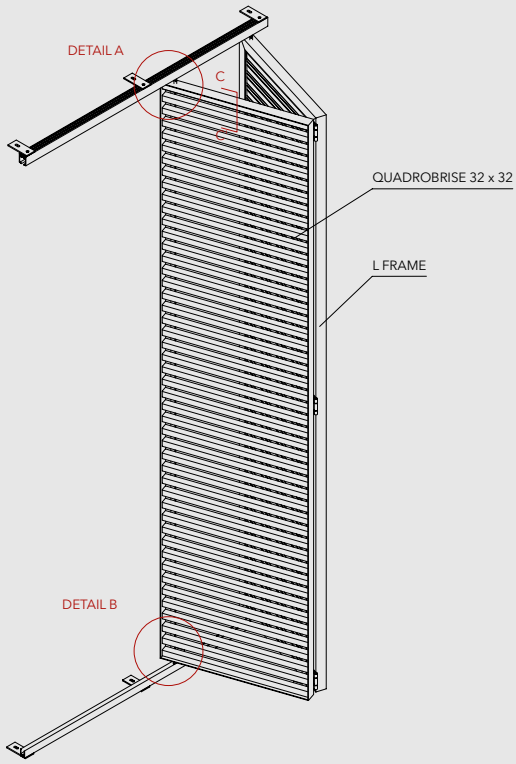


INSTALLATION FOR FOUR SHEET FOLDING SHUTTER

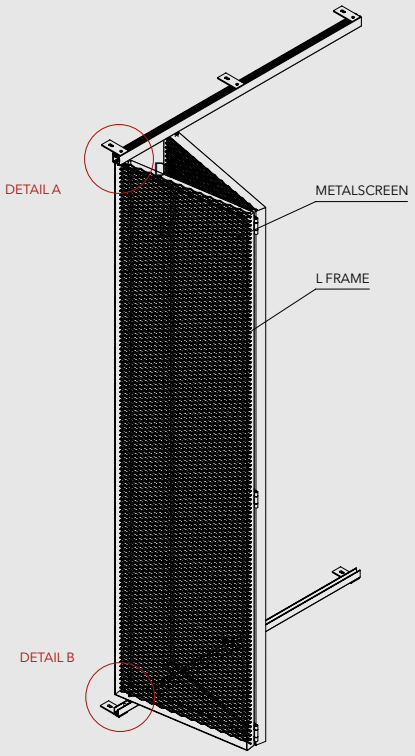


FOLDING & SLIDING SHUTTERS INSTALLATION

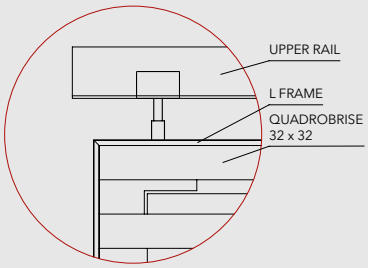
FOLDING L FRAME - QUADROBRISE 32 x 32



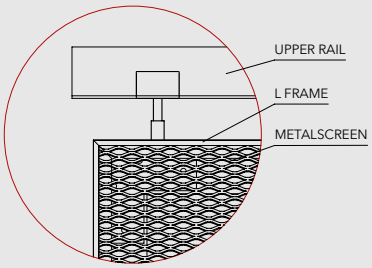
FOLDING L FRAME - METALSCREEN



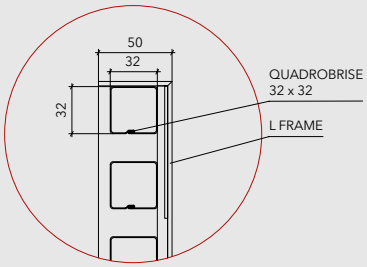
DETAIL A



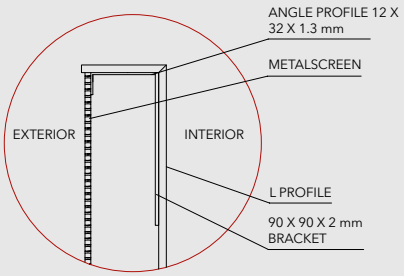
DETAIL A



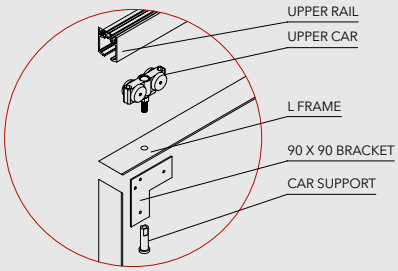
DETAIL C



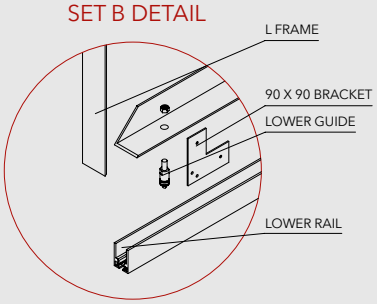
DETAIL D



SET A DETAIL



SET B DETAIL

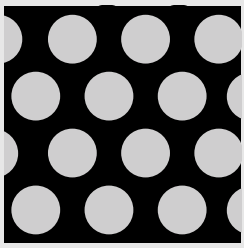


INLAYER OPTIONS

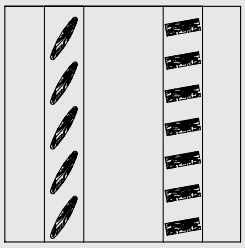
ALTERNATIVE MATERIALS

In addition to standard laminates, there is a wide range of materials that can be used in Hunter Douglas sliding shutters. Various inlayer options are shown below. Please consult with a member of our team for other materials and customized solutions.

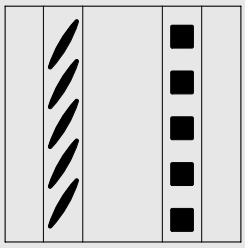
PERFORATED METAL



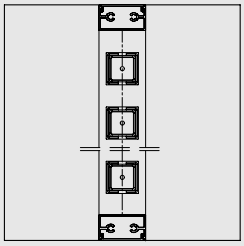
WOOD



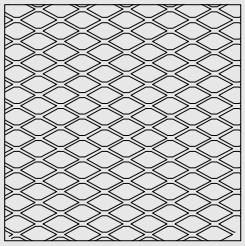
METAL



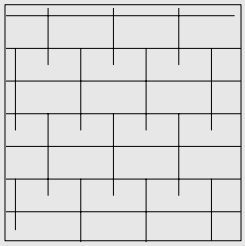
QUADROBRISE 32 X 32



METALSCREEN



TEXSCREEN



METALBRISE

- Materials: aluminum, zincalum
- Colors: over 100 solid colors, wood grains and mineral grains
- Sun control: fixed angle or operable

SCREENPANEL

- Materials: aluminum, zincalum
- Finish: perforated or flat
- Colors: Powder Coating options

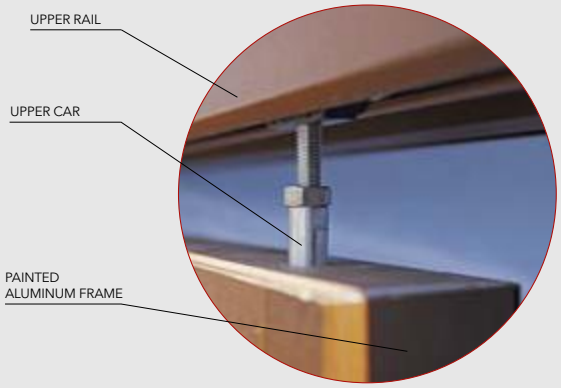
QUADROLINE 15 X 10

- Materials: aluminum, zincalum
- Finish: perforated or flat
- Colors: over 100 solid colors, wood grains and mineral grains
- Position: horizontal and vertical

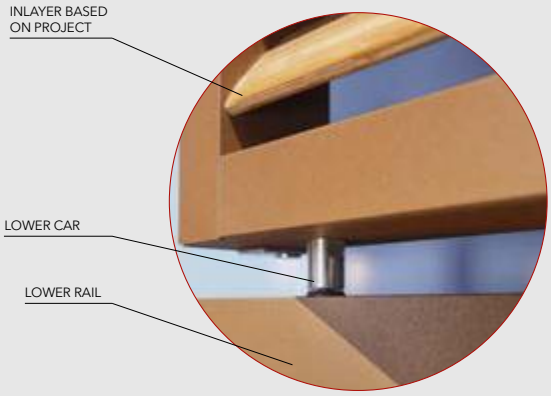
QUADROBRISE 32 X 32

- Materials: aluminum, zincalum
- Finish: perforated or flat
- Colors: over 100 solid colors, wood grains and mineral grains
- Position: horizontal and vertical

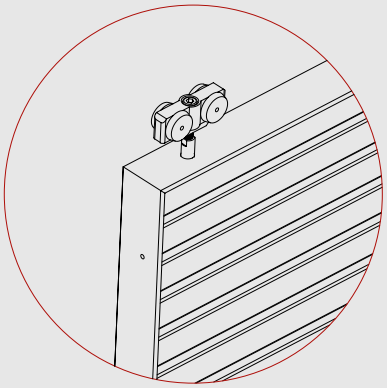
UPPER DETAIL



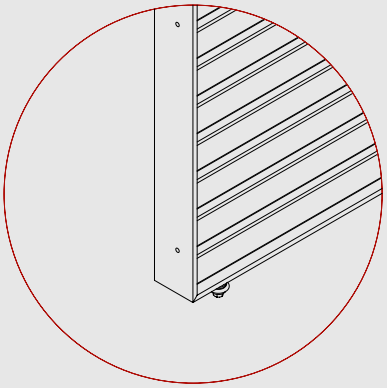
LOWER DETAIL



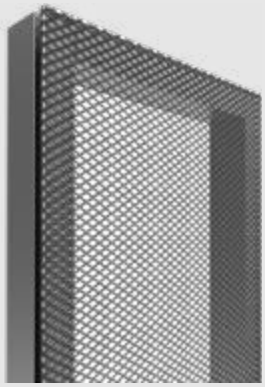
DETAIL A



DETAIL B



METALSCREEN



- Materials: Aluminum, Zincalum
- Colors: Electrostatic powder paint options.
- Position: Horizontal and vertical

WOODBRISE TRAPEZOIDAL

- Materials: Lenga, bamboo
- Finish: Stain or no color based on EETT
- Sun control: Fixed angle or operable

WOODBRISE 66 / 100

- Materials: lenga, cedro, bambú
- Finish: Stain or no color based on EETT
- Sun control: Fixed angle or operable

RECTANGULAR 30 X 18 WOODBRISE

- Materials: Lenga, bamboo
- Finish: Stain or no color based on EETT
- Position: Horizontal and vertical

Note: The components of the product on this sheet are constantly subject to innovation and development, and may be subject to change. The measurements listed on this technical sheet are expressed in millimeters (mm). In order to ensure that the product functions properly, installation should always be completed by an authorized distributor using all of the accessories identified in accordance with Hunter Douglas technical specifications.

FOLDING & SLIDING SHUTTERS
Facades

TEXSCREEN
Facades | Folding & Sliding Shutters

TexScreen is a product composed by a fabric screen within an aluminum frame, that can be integrated as a building's skin, giving it a beautiful, clean look. It is a light, homogeneous product, designed to be installed on the exterior, allowing for the addition of new colors and textures and contributing to excellent sun control and glare prevention. The product can be used on the facade of any building, contributing:

– Sun control from various directions towards the inside of the building, improving user comfort. Unlike other materials, the fabric can generate clear views of the exterior despite having a low percentage of transparency. This decreases solar gains and effectively prevents glare without generating a feeling of being closed in. Based on this, some tangible benefits are:
– Lower energy consumption on climate control
– Better quality natural light
– Visibility of the exterior (depending on levels of transparency)
– Privacy in interior spaces during the day

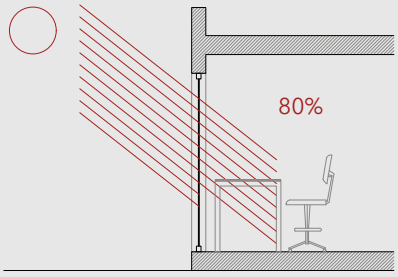
TECHNICAL DESCRIPTION

- Frame: Aluminum painted with powder coating
- Fabric: Serge Ferrari brand acrylic fabric (fiberglass + PVC)
- Transparency levels: 5% and 12%
- Standard width: 1200 mm
- Standard height: 3500 mm
- Installation options: Between openings or outside of openings

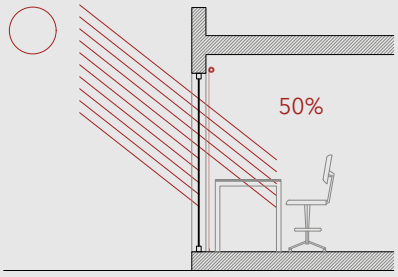
GLAZING AND HEATING

The fabric can prevent solar radiation from entering the building even if it is impacting the facade at a perpendicular angle. This makes the product ideal for protecting east- and west-cladding facades, skylights and, in practice, any other orientation.

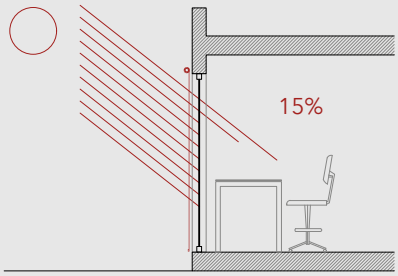
WITHOUT EXTERIOR SHUTTER



WITH INTERIOR SHADE

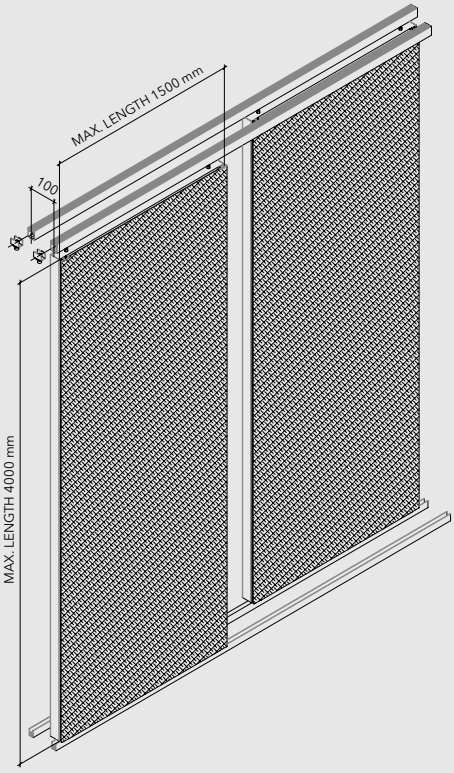


WITH EXTERIOR SHUTTER

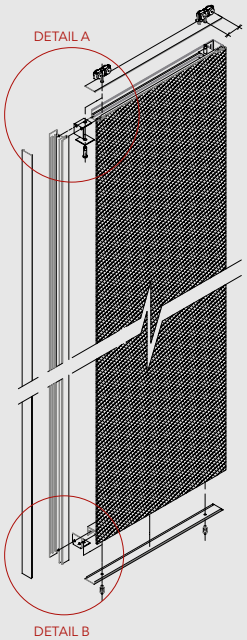


Light is an electromagnetic wave that changes in longitude when it passes through media, turning into color. Our louvres project shade onto the facade and prevent this from happening. This substantively improves the thermal behavior inside of the building.

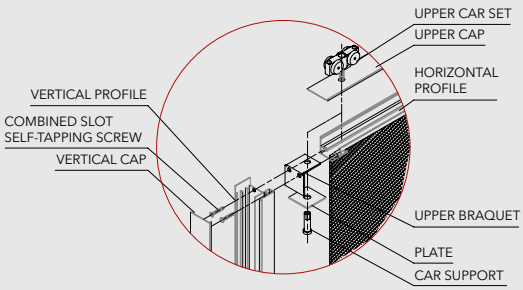
SLIDING SHUTTER SYSTEM



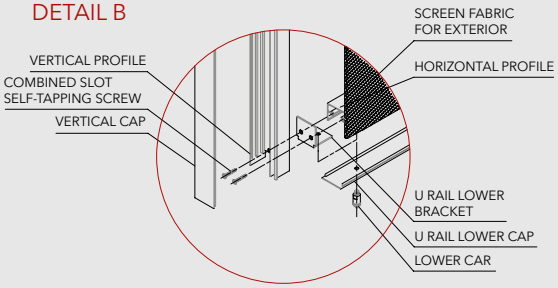
ASSEMBLY DRAWING



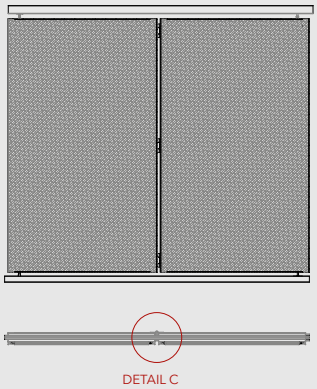
DETAIL A



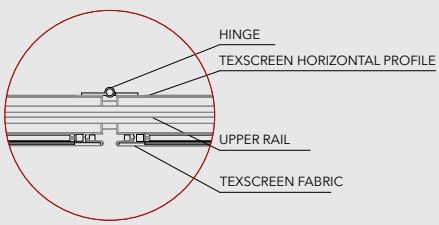
DETAIL B



TEXSCREEN FOLDING PANELS

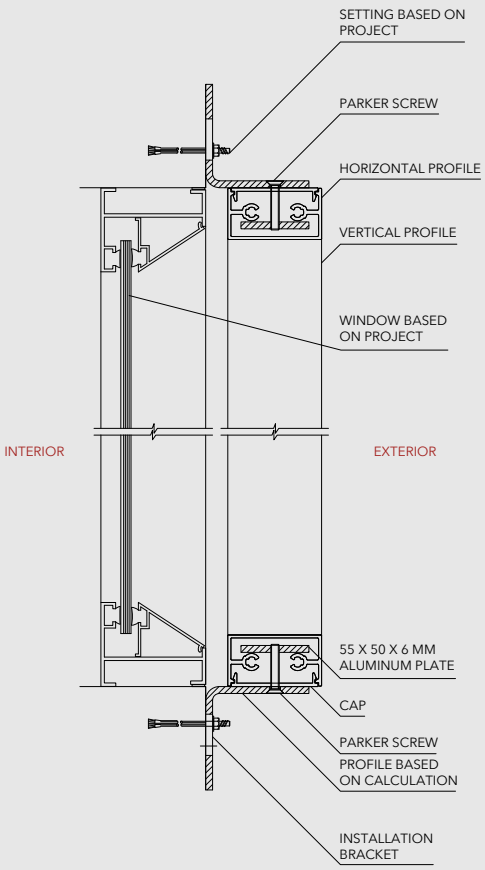


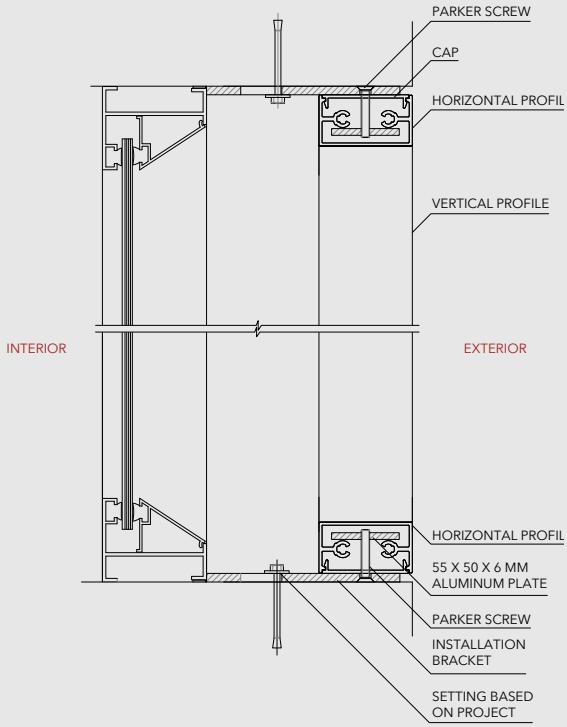
DETAIL C



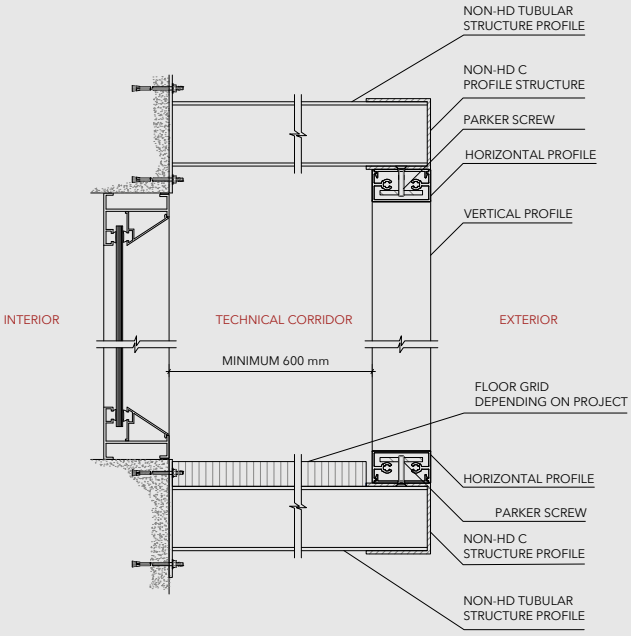
Note: An engineering study must be conducted for Folding & Sliding Shutter products in order to identify formats and anchors based on the project conditions. Maximum two sheets per system.

FIXED FRAME INSTALLATION SYSTEM





In order to ensure correct installation when using a fixed frame, we recommend considering a technical corridor measuring at least 60 cm wide so that windows can be cleaned on the outside (in case of installation of fixed frames and tall buildings).



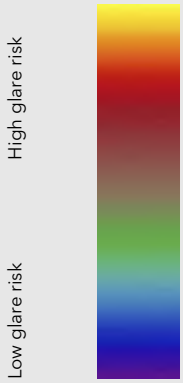
COLORS AND TRANSPARENCY OPTIONS

In order to use space correctly, the interior must be protected from the direct impact of the sun. Texscreen prevents interior glare without preventing users from seeing outside, thus making the best use of the building's usable surface area.

The photographs below show an east-facing view during the morning. The yellow colors show high levels of glare, which is significantly improved by installing a fabric with an opening of 12%.

The various percentages of opening offered by Hunter Douglas generate different levels of sun control and exterior visibility.

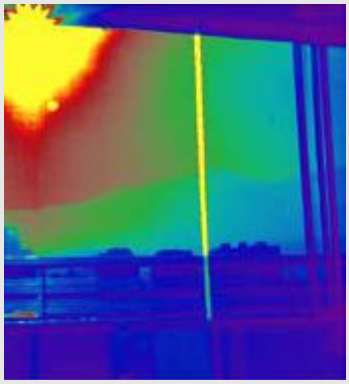
SCALE GRAPHIC



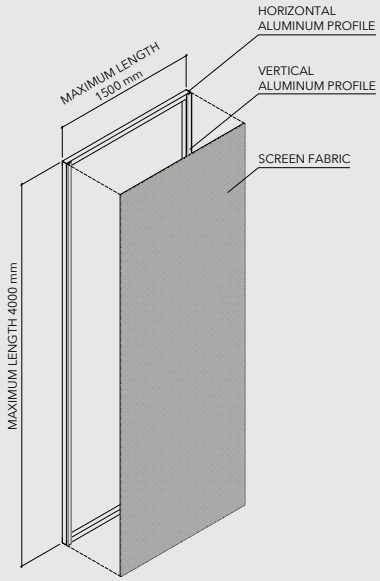
REAL PHOTO WITH TEXSCREEN

WITHOUT TEXSCREEN

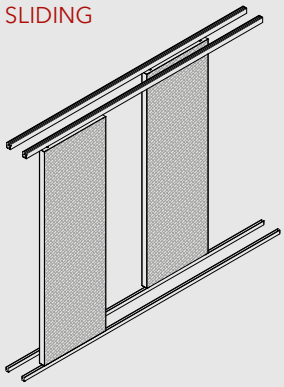
WITH TEXSCREEN



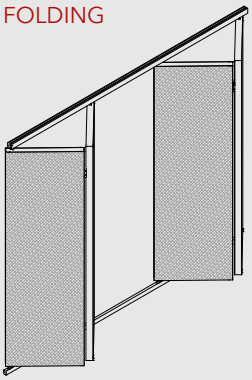
FRAME-CLOTH MODULE AND OPENING SYSTEMS



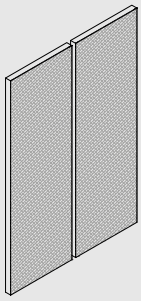
SLIDING



FOLDING



FIXED



TEXSCREEN
Facades | Folding & Sliding Shutters

COLOR OPTIONS

Thermal protection: Blocks up to 94% of solar factor.
Weight: 545 g/m²


Black / Pearl


White / Grey


White / Linen

Thermal protection: Blocks up to 81% of solar factor.
Weight: 550 g/m2

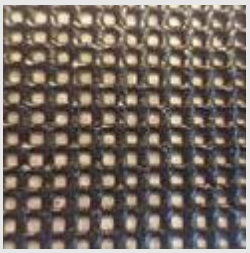

Interferential Grey

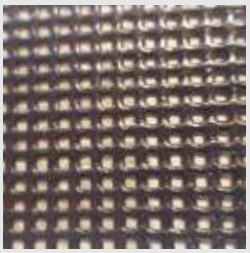

Ash -Blond


Sandy Beige


Silver - Metallic


Beaten Metal


Black - Cherry


Slate*

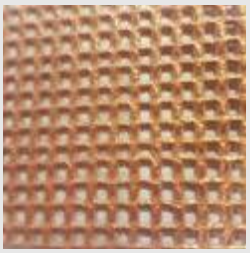

Choco*


Milky Green*


Cactus - Green*


Spring - Green


Temperament - Golden


Cinnamon - Copper


Glowing - Red


Pumpkin

Darker fabrics will generally provide greater visibility towards the exterior, while lighter ones will increase the performance of lamps and better disperse light within the building.

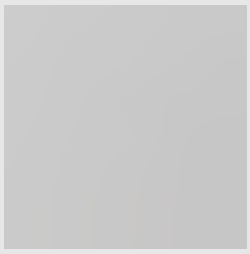
Note 1: Weather (wind-hail-UV) resistant.
Note 2: The colors, textures and technical characteristics are provided for informational purposes only and are subject to change.
*The company does not maintain continuous stock of these colors. Please consider for delivery timing.

Note: The components of the product on this sheet are constantly subject to innovation and development, and may be subject to change. The measurements listed on this technical sheet are expressed in millimeters (mm). In order to ensure that the product functions properly, installation should always be completed by an authorized distributor using all of the accessories identified in accordance with Hunter Douglas technical specifications. Patent MU 2171-12 has been requested for this product.

ALUMINUM FRAME COLOR OPTIONS (POWDER COATED)

Hunter Douglas offers a range of finish colors for aluminum frames in order to provide the best finish for each project.

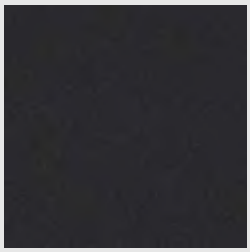

Metal Gray
Code PP01


White Code PP02


Black Code PP03


Brown Code PP04

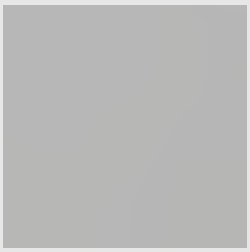

Corten Code PP05


Anthracite Code PPO6


Winter White
Code PP07


Sand Code PP08


Red Code PP10

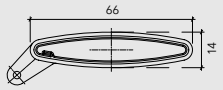
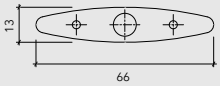
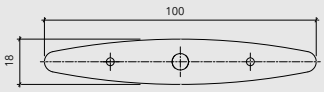
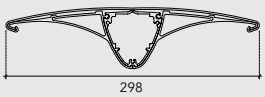
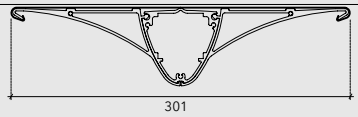
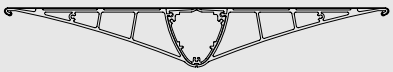
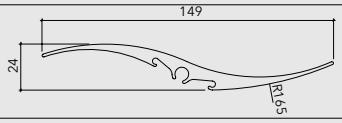
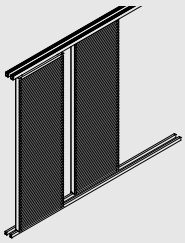
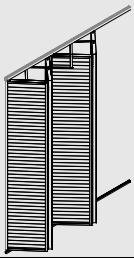

RAL Grey Code PP11

MOTORIZATION
Facades | Operable shades

Over the past few years, there has been significant development in the automation of facade systems. This has mainly been driven by the need to provide the user with more comfort. Motorized louvers has thus taken on an important role because it allows users to regulate the amount of light that enters a space.
In order to meet these needs, we present the general characteristics of the motors made by the German brand Elero. They are compatible with Somfy automation accessories and are both brands sold by Hunter Douglas.

CHARACTERISTICS

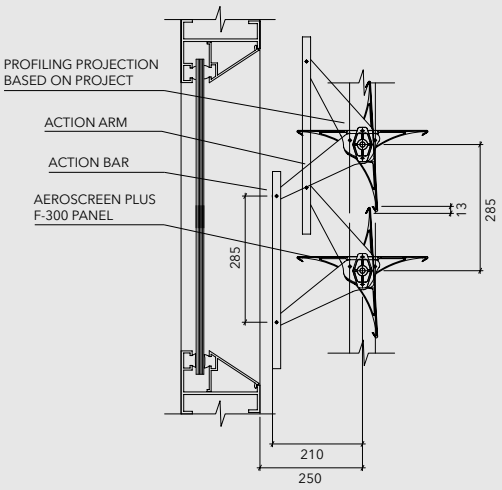
- Elero motors are compatible with Somfy brand remote systems
- The motors are 100% weather-resistant stainless steel, which makes them ideal for exterior facades (IP 65 and IP 67 models)
- Applications for dynamic and static loads
- Their simple, compact casing makes them easy to install
- Excellent price-quality ratio

PRODUCT		SECTION	MATERIAL	MAX. LENGTH	MOTOR TYPE	MOTOR STROKE
METALBRISE			ZINCALUM	1440	LOCKMASTER*	50
WOODBRISE	WOODBRISE 66		CEDAR LENGA BAMBOO NFINITY	1000	LOCKMASTER*	50
	WOODBRISE 100		LENGA	1000	PICOLO XL 100	100
AEROSCREEN PLUS	AEROSCREEN PLUS CURVE 300		ALUMINUM ZINCALUM	4000	PICOLO XL 200	200
	AEROSCREEN PLUS FLAT 300					
	AEROSCREEN PLUS CURVE 370					
	FLAT AEROSCREEN PLUS 450					
AEROWING			ALUMINUM	1500	PICOLO XL 100	100
SLIDING SHUTTER			ALUMINUM ZINCALUM	1500 x 4000	ELECTRIC MOTOR	BASED ON PROJECT
FOLDING SHUTTER			ALUMINUM ZINCALUM	700 x 3000	LINEAR ACTUATOR	BASED ON PROJECT

* Note: motor in the process of replacement, evaluate with engineering

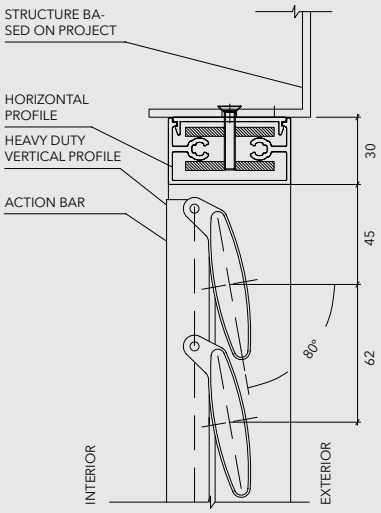
LOUVRE INSTALLATION

AEROSCREEN PLUS 300

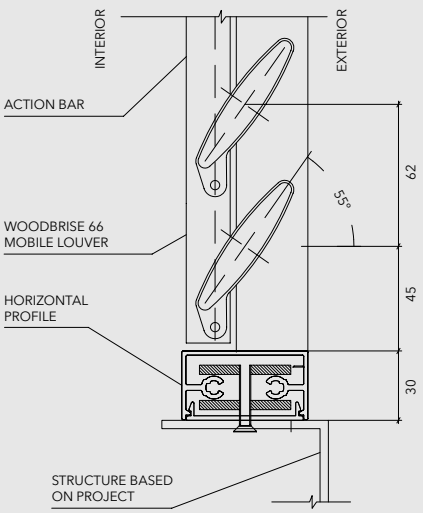


WOODBRISE 66

UPPER PERIMETER

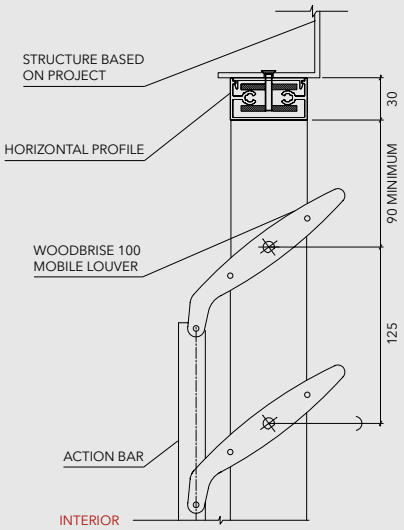


LOWER PERIMETER

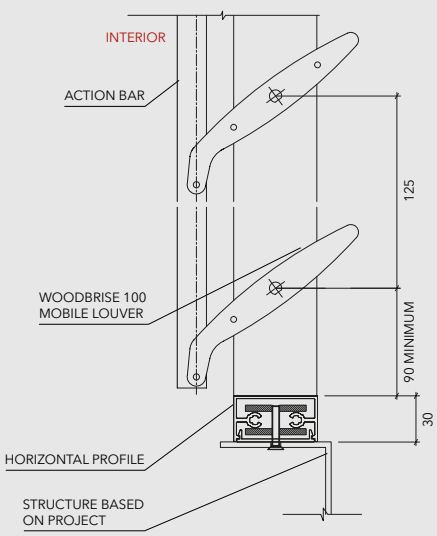


WOODBRISE 100

TOP DETAIL

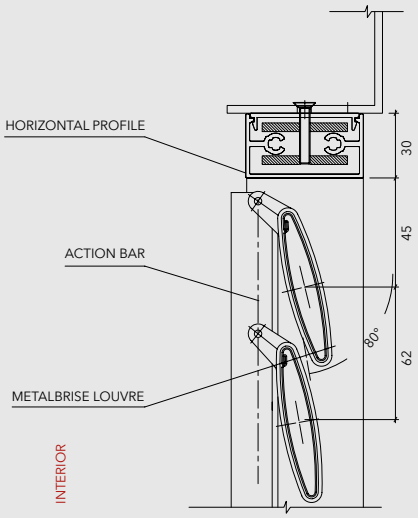


BOTTOM DETAIL

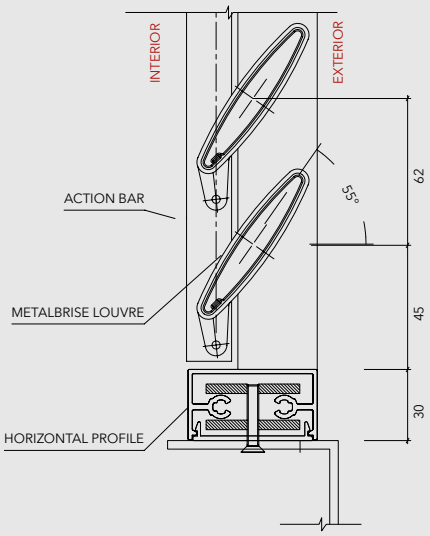


METALBRISE

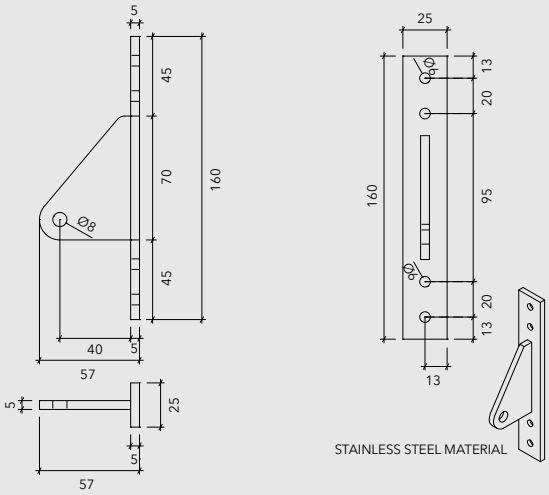
UPPER PERIMETER



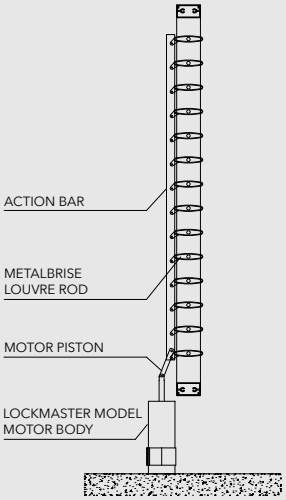
BOTTOM FIXING DETAIL

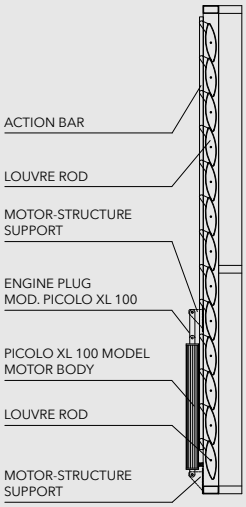


ELERO MOTOR FIXING BRACKETS



ACTION BAR INSTALLATION DETAIL

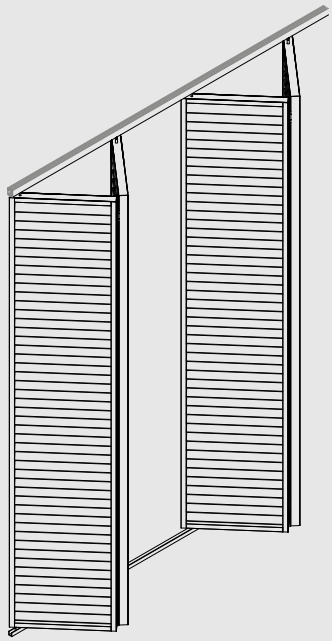


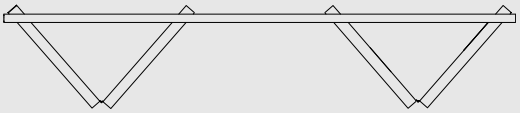


FOLDING & SLIDING SHUTTERS INSTALLATION

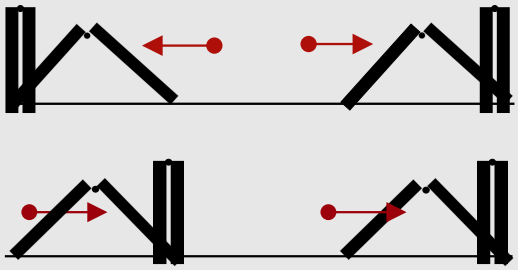
INSTALLATION OF FOLDING & SLIDING SHUTTERS

2 SHEETS FOLDING SHUTTER



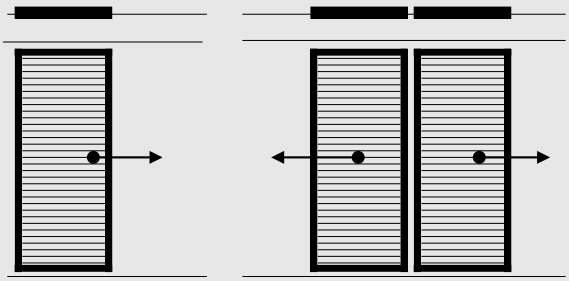


OPTIONS FOR INSTALLING 2 SHEETS

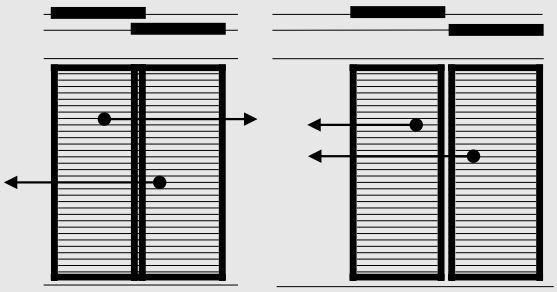


SLIDING SHUTTERS MOVEMENT OPTIONS

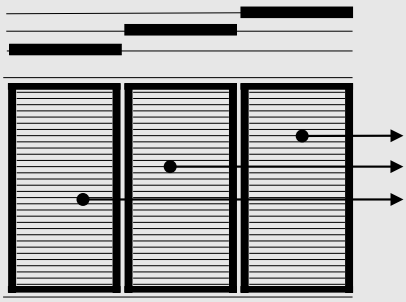
1 RAIL



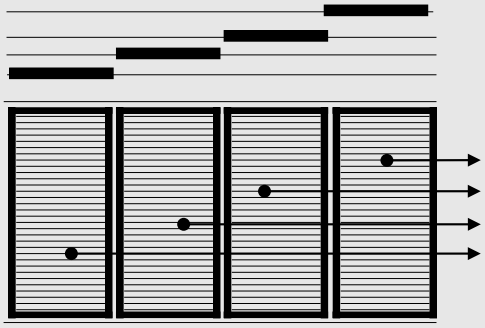
2 RAILS



3 RAILS



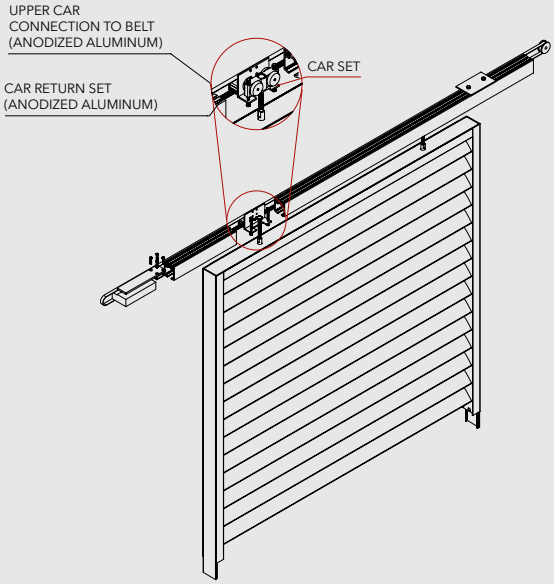
4 RAILS



CONTROL SYSTEMS

Shutters can be manual or motorized. They can also be part of an entire building administration system that optimizes the shutter's shade performance. Various configurations are possible. See the examples below.

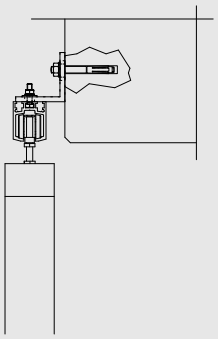
MOTORIZED SLIDING INSTALLATION DETAIL OF CAR UPPER CAR INSTALLATION, FRONT VIEW



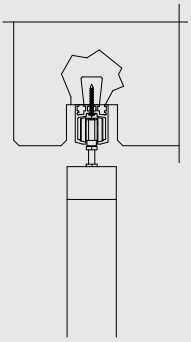
TOP RAIL SETTING METHODS

The upper rails for sliding shutters can easily be affixed to the building structure using the following methods. Other solutions available on request.

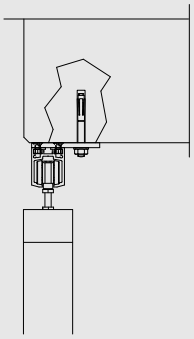
HIDDEN FIXING



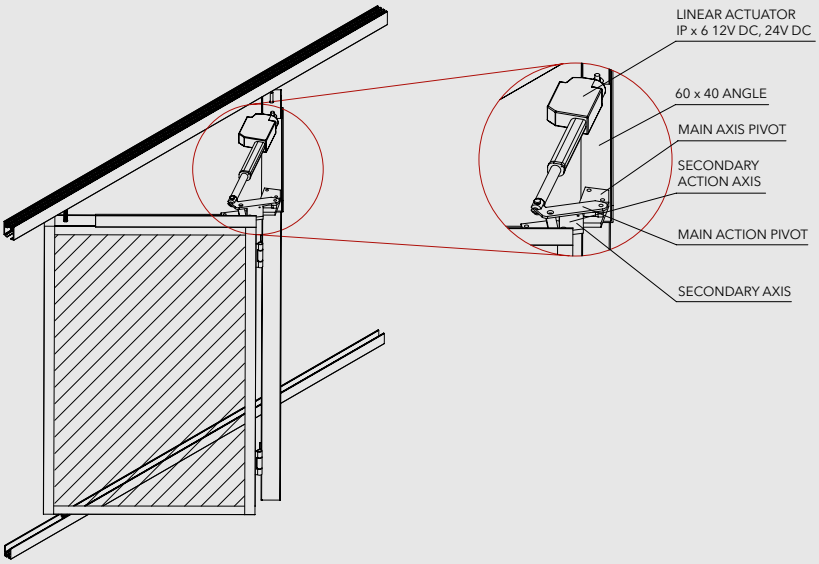
FLUSH FIXING



FRONT FIXING

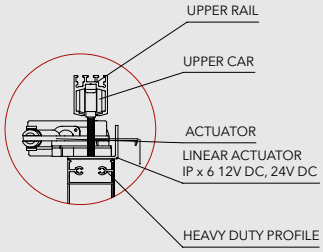


DETAIL OF FOLDED SHUTTER SEEN FROM THE OUTSIDE

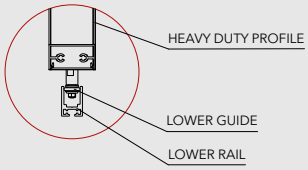


COMPONENTS OF MOTORIZED FOLDING, DETAIL OF INSTALLED LINEAR ACTUATOR SEEN IN CROSS SECTION

DETAIL 1



DETAIL 2



TECHNICAL DESCRIPTION

These products use a linear electric servomotor with movement using a rod that is highly resistant to peak loads. This means that it is capable of generating thrust forces ranging from 50 N to 1200 N depending on the model. The available motors and their respective application are:

MOTOR FOR TERMOBRISE 150 AND WOODBRISE 100 LOUVRES

TECHNICAL DATA FOR PICOLO XL 100 MOTOR	
CASING DIAMETER (mm)	48
ADJUSTMENT FORCE (N)	1200
CURRENT INTENSITY	0,55 A
POWER	126 W
STROKE SPEED (mm/s)	6 (230V AC) / 5 (24V DC)
STROKE LENGTH (mm)	100
SERVICE VOLTAGE	230 V AC - 50 Hz / 24V DC
NUMBER OF PHASES	1
CASING	STAINLESS STEEL 4301
TYPE OF PROTECTION	IP 65 (WEATHER-RESISTANT)

MOTOR FOR AEROSCREEN PLUS

TECHNICAL DATA FOR PICOLO XL 100 MOTOR	
CASING DIAMETER (mm)	48
ADJUSTMENT FORCE (N)	1200
CURRENT INTENSITY	0,55 A
POWER	126 W
STROKE SPEED (mm/s)	6 (230V AC) / 5 (24V DC)
STROKE LENGTH (mm)	200
SERVICE VOLTAGE	230 V AC - 50 Hz / 24V DC
NUMBER OF PHASES	1
CASING	STAINLESS STEEL 4301
TYPE OF PROTECTION	IP 65 (WEATHER-RESISTANT)

MOTOR FOR WOODBRISE 66 AND METALBRISE LOUVRES

TECHNICAL DATA FOR LOCKMASTER MOTOR	
CASING DIAMETER (mm)	61,5
LENGTH CASE (mm)	168
ADJUSTMENT FORCE (N)	50
CURRENT INTENSITY	0,7 A
POWER	160 W
STROKE SPEED (mm/s)	30
STROKE LENGTH (mm)	50
SERVICE VOLTAGE	230 V ~ 50 Hz / 0,55 A (126 W)
NUMBER OF PHASES	1
CASING	STAINLESS STEEL 4301
TYPE OF PROTECTION	IP 67 0.1 BAR (WATERPROOF UP TO 1M DEEP)

The PICOLO XL 100 and PICOLO XL 200 have IP 65 protection, which means that they are weather resistant under even the toughest environmental conditions. This makes them ideal for use on exterior facades.
The Lockmaster motor has IP 67 protection, which means that it is water proof up to 1 m. In addition, these motors do not require any maintenance and can thus be used under extreme environmental conditions in difficult assembly situations.
All of the motors have a piston that is insured against torsion.
All of the models use 230 V single-phase current. It is also possible to consider motors that use 24 V and 12 V continuous current.

PICOLO XL 100- PICOLO XL 200 MOTOR

XL 100 – 200

XL 100 – 200 POSTERIOR

XL 100

XL 200

LOCKMASTER MOTOR

OPERATING PANEL

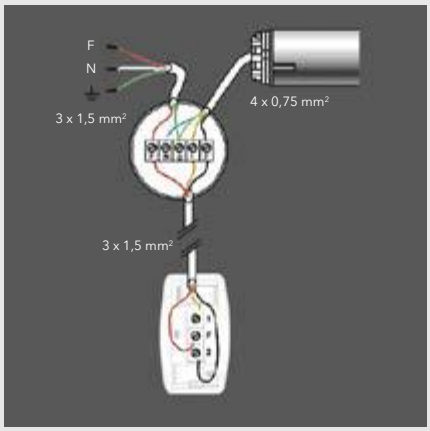
These motors can be operated using remote control or wall panels.

SWITCH/ ONLY 3C LIGHT/LIVING MODULE: For embedding. Box, plate and box cap must be purchased separately.

LIVING

LIGHT

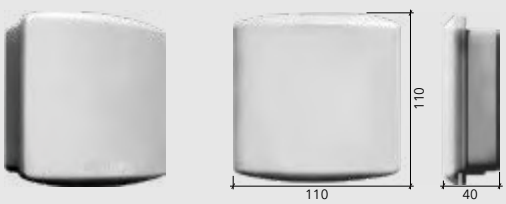
ELECTRIC INSTALLATION DIAGRAM



When the project involves remodeling or posterior application, a remote control system is recommended. Two components must be included in this type of installation: a receiver and an RTS emitter.

In the Somfy INTEO CENTRALIS product line, the receiver is a Centralis RTS-2 Exterior Receiver.

The Centralis RTS-2 Exterior Receiver can be used to operate a motorized panel installed outside. It allows for control of up to 12 RTS or RT emitters.

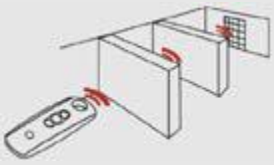


The RTS command points or emitters include a wide range of models depending on the design, characteristics, etc. These command points can have one or several channels.
Single channel controls have three ergonomic buttons for each function: raise, lower and stop.
They can control all of the receivers installed within a free area of 100 meters in radius.
By contrast, multichannel controls have the same three buttons plus a button to select the channel (4 channels plus a general one). Each channel can control a certain number of receivers depending on the motorized panels to be operated.

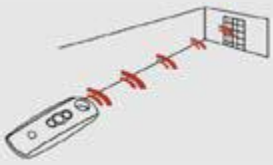
RADIO FREQUENCY EMITTERS

Reach: 20 meters if they must pass through two reinforced concrete walls (A). 200 meters in open space (B).

A



B

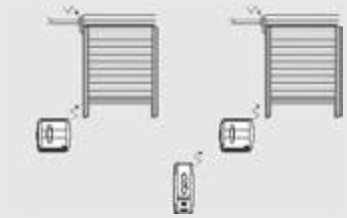


RF TELIS 1: Single channel emitter that can only operate one motor independently. However, various motors can be added to this single channel that all function at once.

RF TELIS 4: Emitter capable of operating four motors independently or various louver panels at the same time on one channel.

The installation of these controls can include wall support depending on the model.

REFFERENCE IMAGE SUPPORT AND EMITTER TYPE

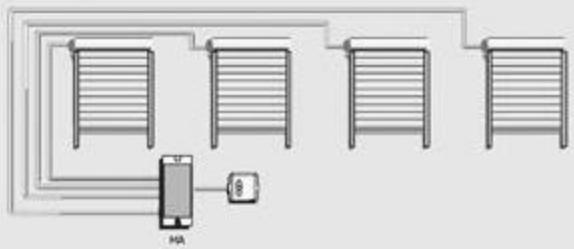


WALL SUPPORT

If the project requires that only one control operates more than one motor, a Group Command (GC) System must be used.
The Hunter Douglas Group Command is a component that allows the user to activate up to four motors at the same time.

A Bipolar Switch must be connected to the Group Command so that it can send commands to raise, lower or stop the motors simultaneously.

GROUP COMMAND MODULE FOR 4 MOTORS



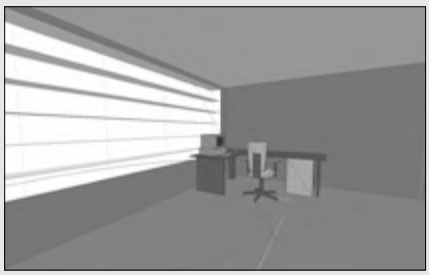
Notes: 1. The components of the product on this sheet are constantly subject to innovation and development, and may be subject to change. The measurements listed on this technical sheet are expressed in millimeters (mm). In order to ensure that the product functions properly, installation should always be completed by an authorized distributor using all of the accessories identified in accordance with Hunter Douglas technical specifications.
2. Hunter Douglas develops special components and accessories to make the motorization of the product more efficient based on the project.
3. Motorized louver projects require specialized details that should be developed in collaboration with the Engineering Department and Sales Area.

LIGHT, HEAT AND ENERGY

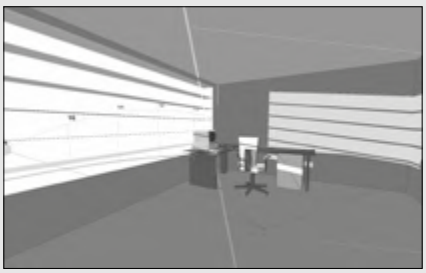
COMFORT AND ENERGY SAVINGS
The use of an adequate sun control system can significantly influence the interior climate. Using a system wisely improves the overall comfort of a room and minimizes energy costs (lighting, heat and cooling).

Effectively reducing the amount of solar radiation that enters the building with a sun control system immediately reduces the amount of energy required to cool it. The capacity of the cooling equipment can thus be reduced, which makes lower initial investment and operating costs possible.

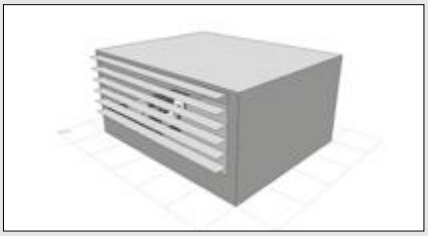
By blocking, transmitting or reflecting direct sunlight and daylight, Hunter Douglas sun control systems make optimal use of this free source of light. Analyzing shade performance allows for optimal daylight levels and reduces glare to a minimum, thus providing a healthy, productive work environment.



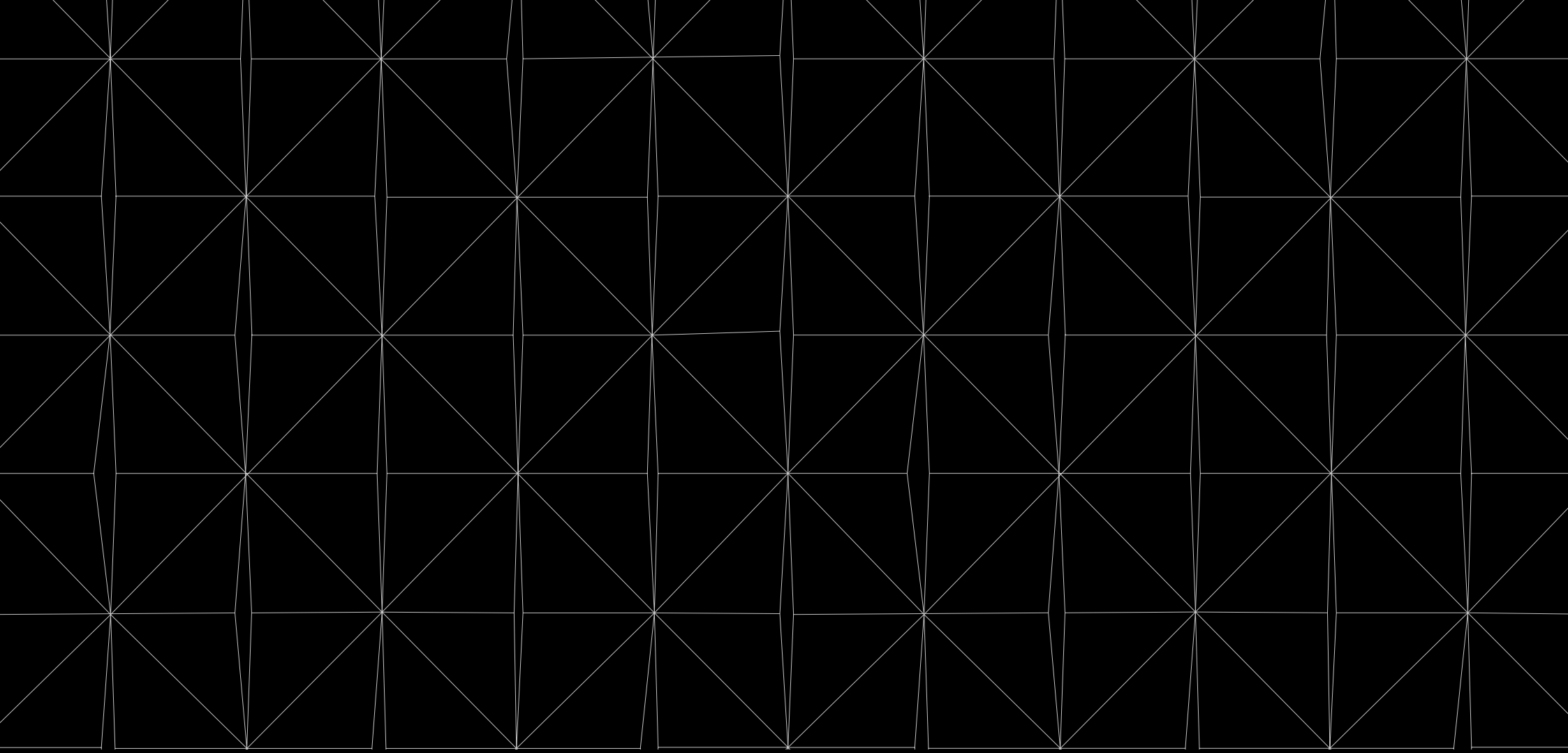
Internal view at 12:00 a.m. on April 1



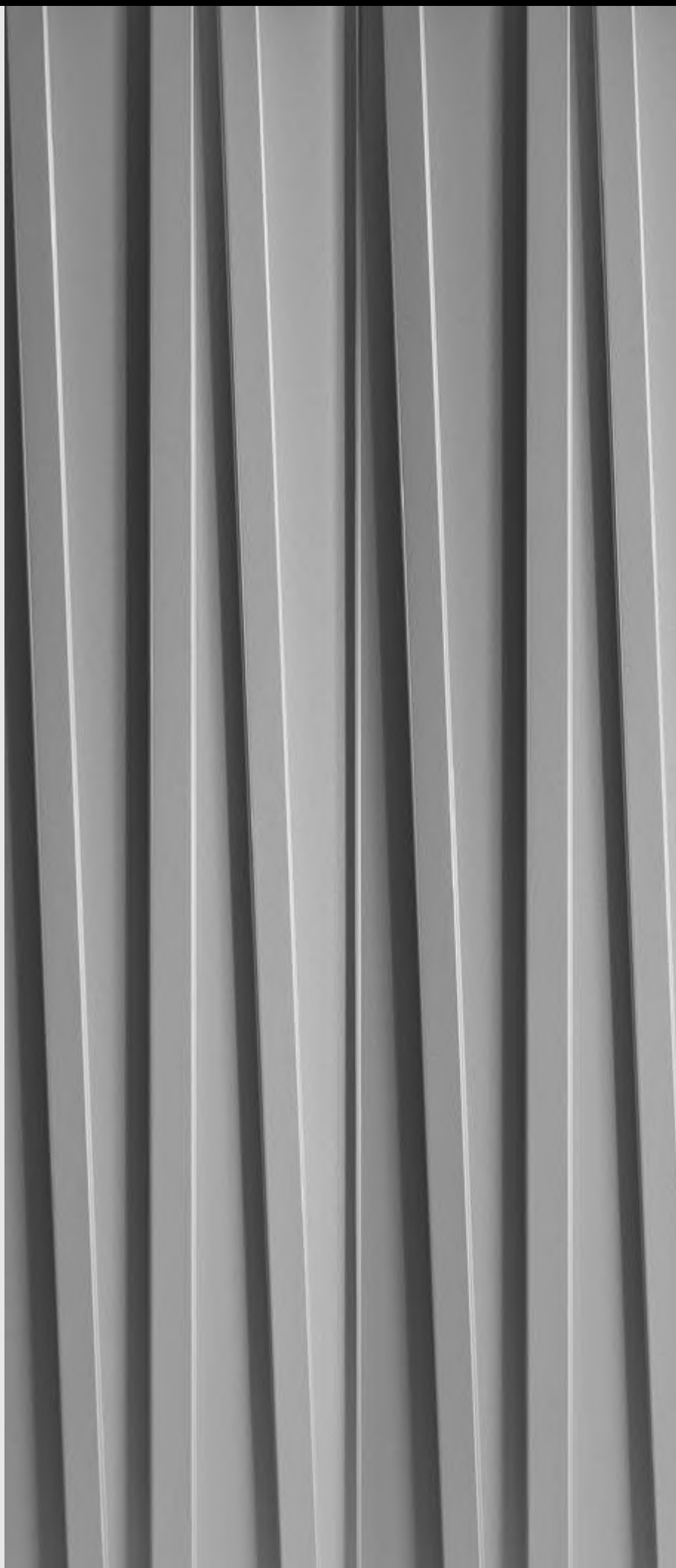
Internal view at 9:00 a.m. on December 1



External view at 9:00 a.m. on December 1



SINGLE SKIN PANELS



GEOCLAD
Facades | Single Skin Panels

The GeoClad product line has been designed to clad facades, for interior cladding, ceilings and roofs, providing a unique, dynamic and customized appearance. GeoClad allows the creation of panels with variable and unique geometries that can be installed horizontally or vertically. The system also allows for panels with different geometries to be combined.

These panels can be up to 8 meters long and can be made using different materials and textures, such as steel, zincalum, aluminum, corten steel, zinc, copper, perforated and folded metal (Cali Fine mesh, 10 x 5 x 1 x 1), among others.

TECHNICAL DESCRIPTION

- Colors: Available in over 100 standard colors and custom colors
- Finish: Perforated or flat
- Use: Cladding
- Length: We recommend that the length does not exceed 6000 mm

GEOCLAD SECTION TYPES

T: TRIANGULAR
Triangular panels with variable sides and angles, longitudinally straight. The height and valley can be modified to create panels that are modulated precisely to the dimension of the facade without the need for adjustment panels that modify the initial geometry, achieving steps that match each project.

TC: CONIC TRIANGULAR
Triangular panels with variable sides and angles in which diagonal longitudinal folds can be used compensating for this geometry towards each side of the panel so that the result is a straight panel. If this is not the case, radial panels will be created.

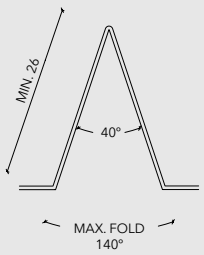
The minimum side for 140° is 26 mm.

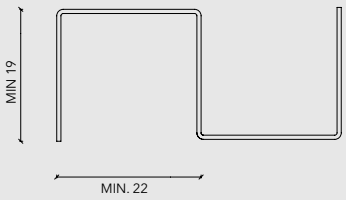
Conic panels should compensate for opposite sides to achieve parallel panels.

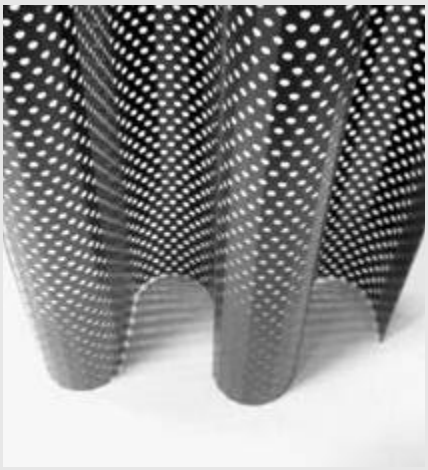
QL: SQUARES
Straight square panels can be used to create rectangular geometries with different sides and valley distances. The folding process allows us to create a series of different square panels for a random configuration. We can also personalize the step desired for a perfectly homogeneous facade.

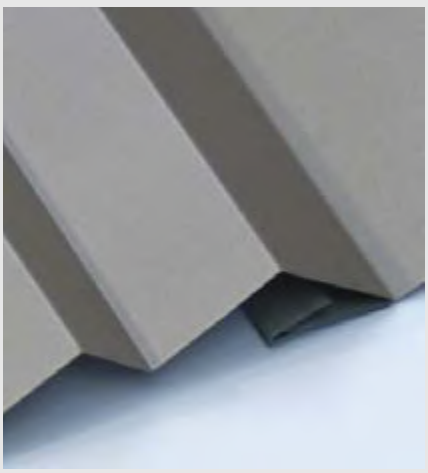
QLC: CONIC SQUARES
The design of conic square panels allows for subtle diagonals to be created and even for the height of one side of the panel to be opposite on the other side. Trapezoidal forms can appear in the valleys and upper faces of the rectangles, creating a more organic effect or movement of the facades.
Minimum height 30 mm for 2 or 3 mm.
Low thicknesses minimum height 19 mm.

Conic panels should compensate opposite sides to create parallel panels.









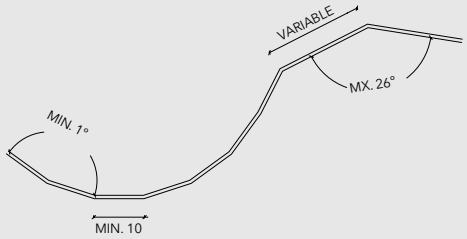
SW: CURVES
SoftWave is a type of panel that uses soft wave cones to create the largest number of variables when designing on the basis of tangent diameters of variable or homogeneous sizes. These curves and counter-curves can also be built by varying the size of the facet with a minimum of 10 mm. If one does not want the facet to be visible in the design, micro-perforated or metal screen materials are used and the facet disappears, yielding linear curve finishes.

SWC: CONIC CURVES
Conic curves are a bit more difficult to design because tangent diameters must be projected on one end of the panel that are inserted on the other side. We can also vary the length of the sides so that the facet is part of our design or using material with an opening percentage like a micro perforation or metal screen.

Facet measurements can be variable or equal.

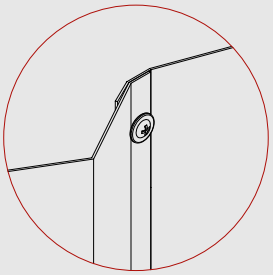
Sequence: Angle, side and number of sides.

Conic panels can compensate for opposite sides in order to achieve parallel panels.

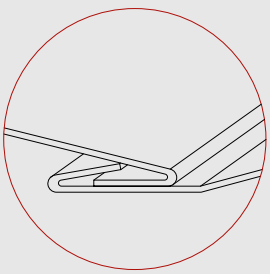


MOUNTING TYPES

EXPOSED MOUNT
ALL THICKNESSES



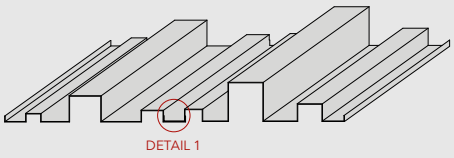
HIDDEN MOUNT
ONLY LOW THICKNESSES
(INTERIOR)



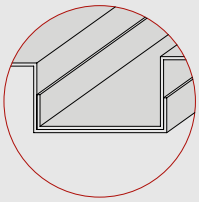
TONGUE-AND-GROOVE SYSTEM OPTIONS

(ONLY INTERIOR)

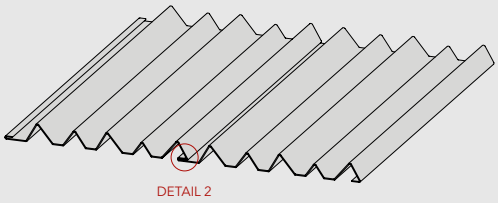
JOINT WITH SUPPORT



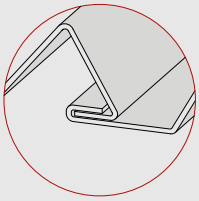
DETAIL 1

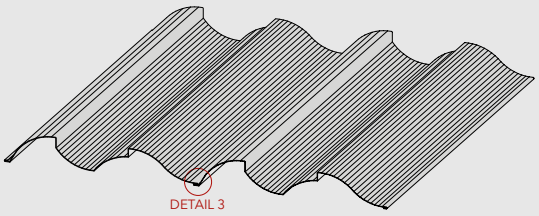


HIDDEN MOUNT

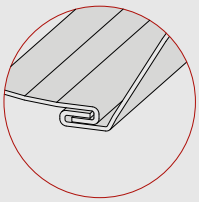


DETAIL 2



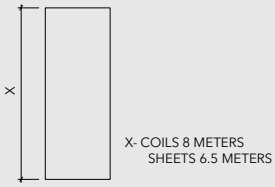


DETAIL 3



FOLD AND SHAPE OPTIONS

MAXIMUM FOLDED LENGTH

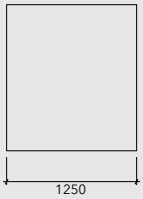


DIRECTIONAL CURVE (X= VARIABLE MEASUREMENT BASED ON THICKNESS)

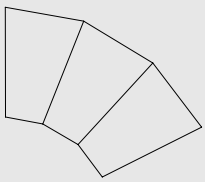
THICKNESS	X
1 mm	10 mm
2 mm	20 mm
3 mm	30 mm

MINIMUM FOLDED ANGLE (CURVES)

MAXIMUM FOLD WIDTH 1250 mm

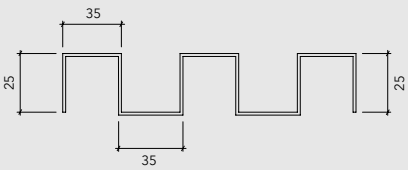


RADIAL PANELS

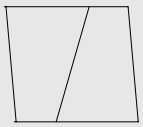


SEGMENTED CURVES BETWEEN 1 AND 21°

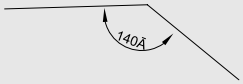
MINIMUM QL FOLD SECTION



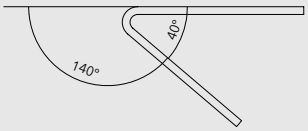
COMPENSATED CONIC PANEL



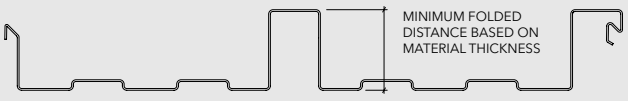
MAXIMUM FOLDED ANGLE



MAXIMUM FOLDED ANGLE

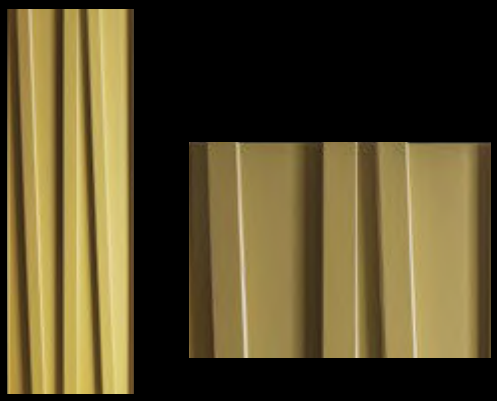


MINIMUM FOLDED DISTANCE GEOCLAD

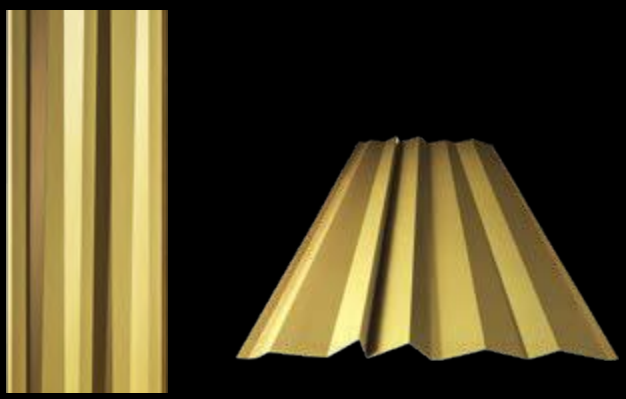


PROTOTYPES

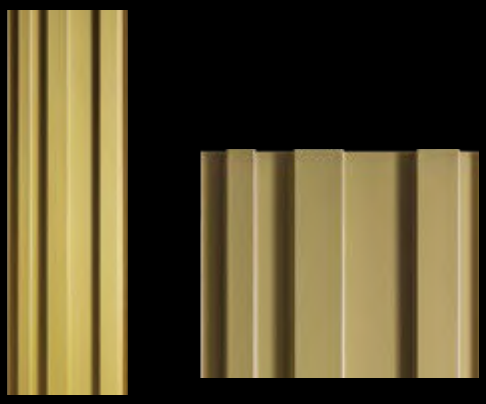
QLC 100



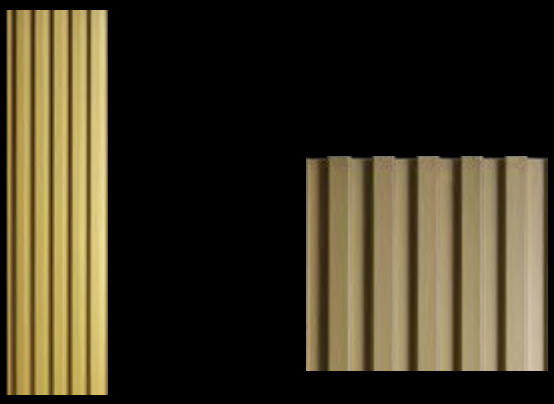
QLC 45



QLC 456



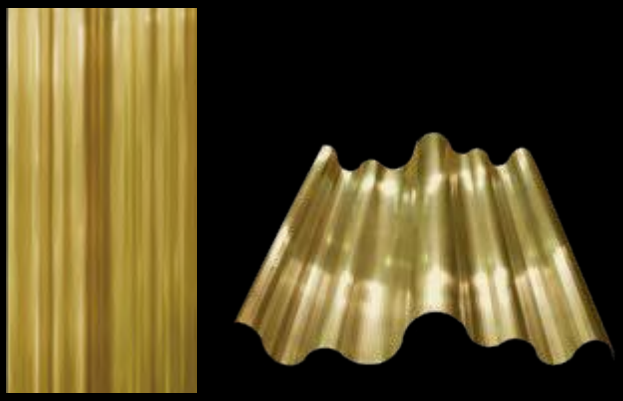
QL 3025



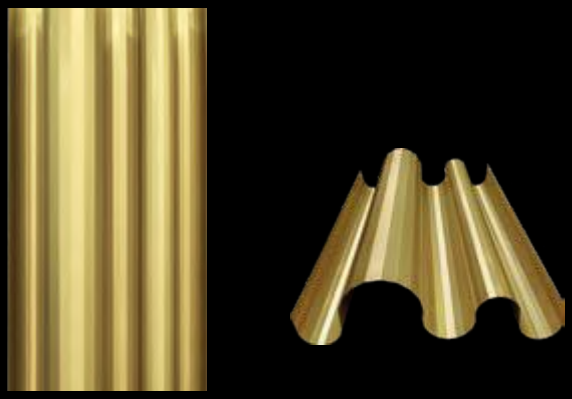
SW 15

SW 90

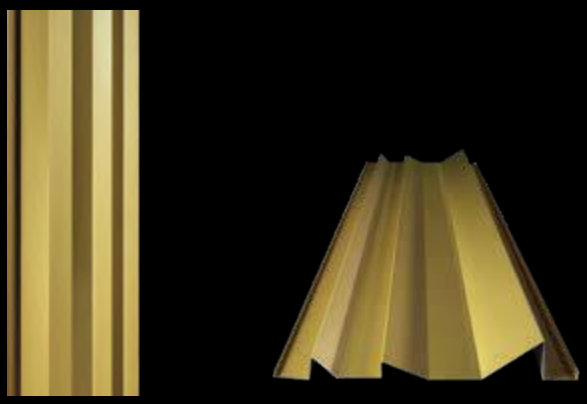
SW 1510



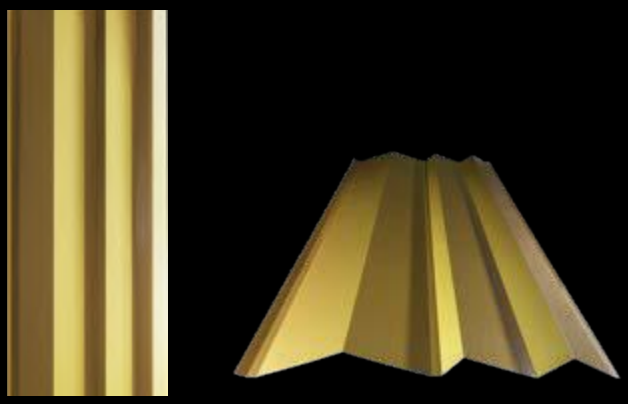
SW 1520



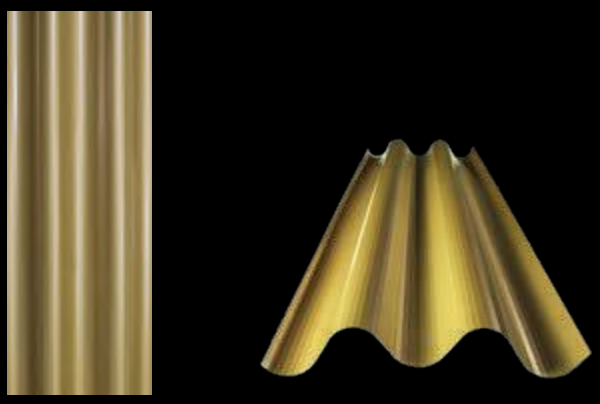
T 1



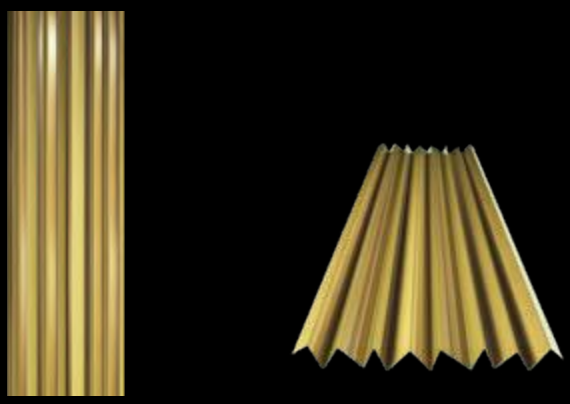
T 6



SW 100

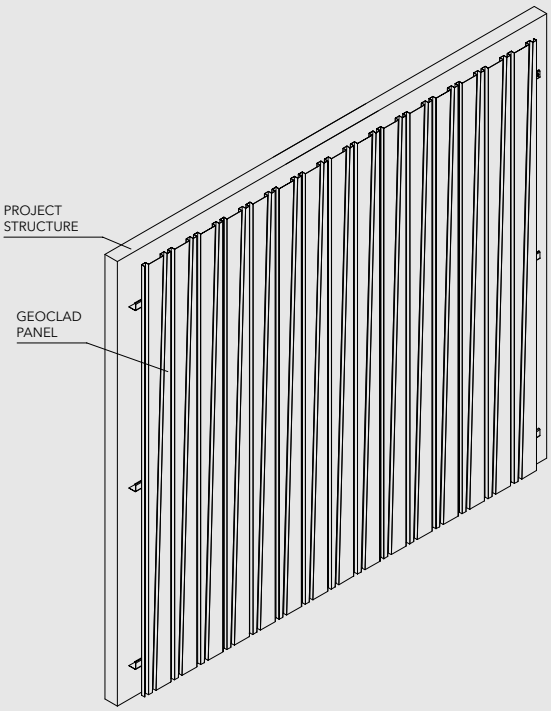


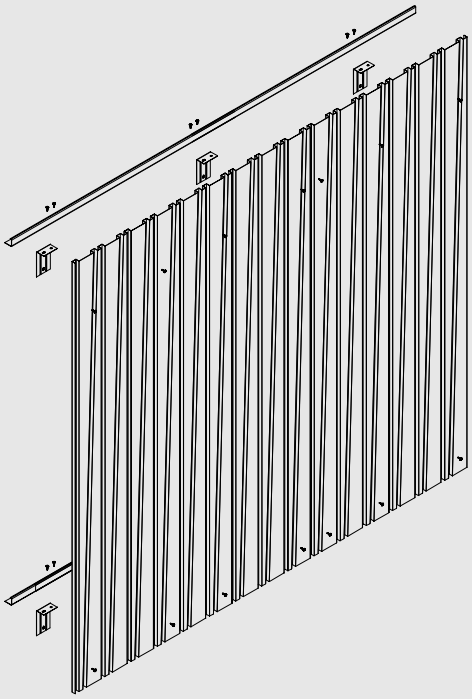
T 8



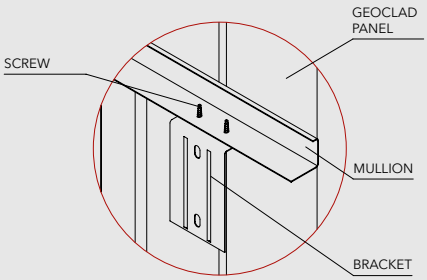
INSTALLATION

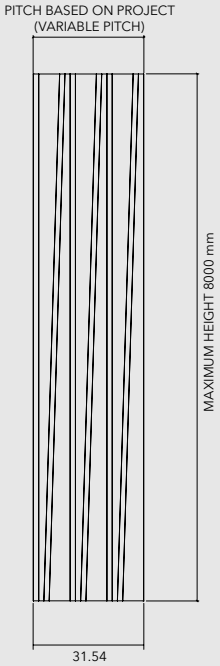
EXTERIOR GEOCLAD

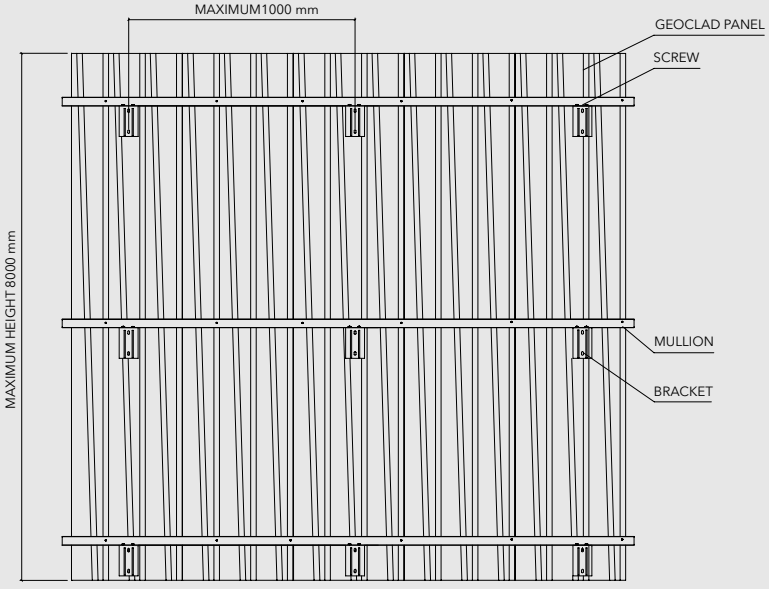




INSTALLATION DETAIL

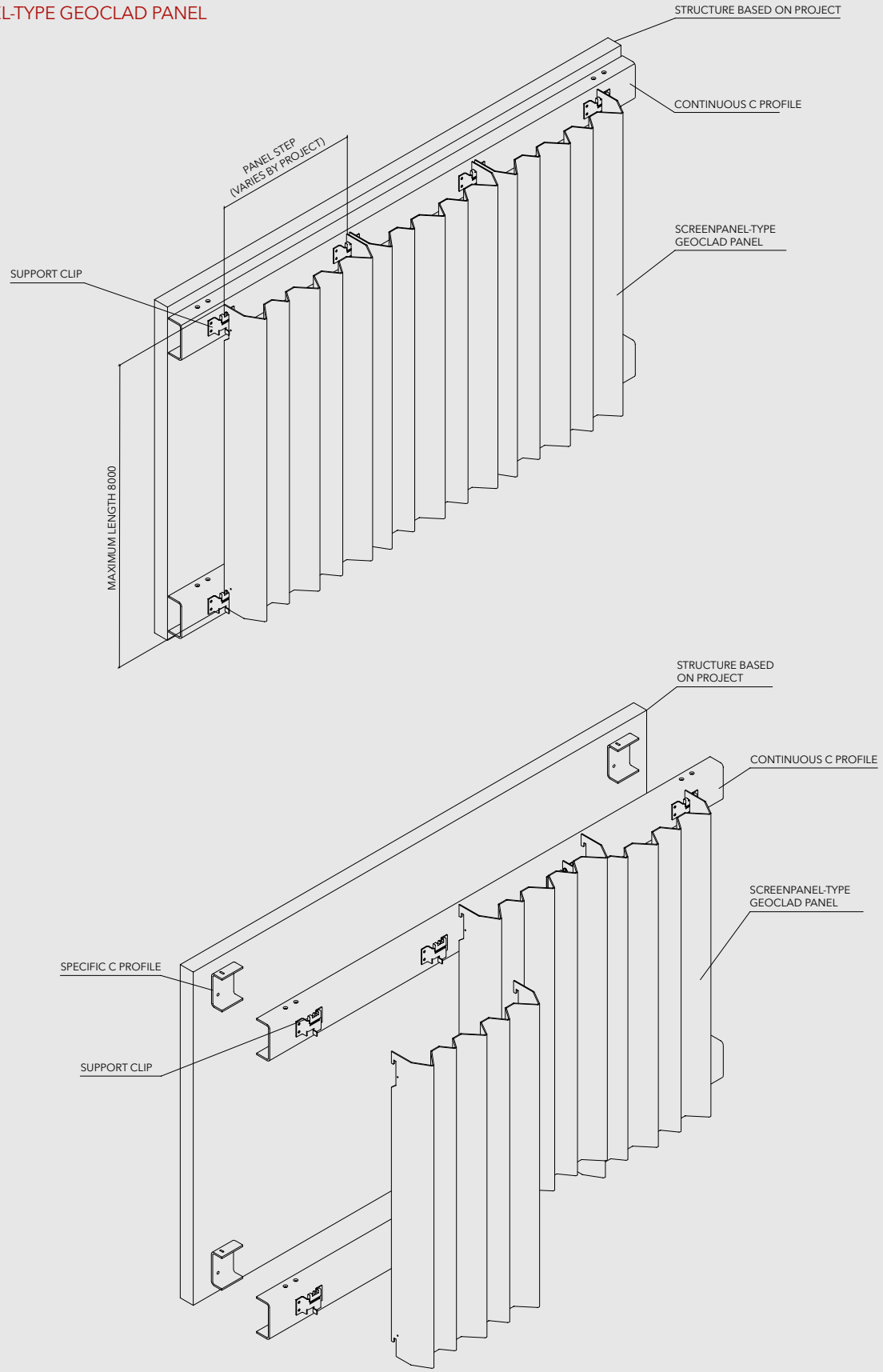


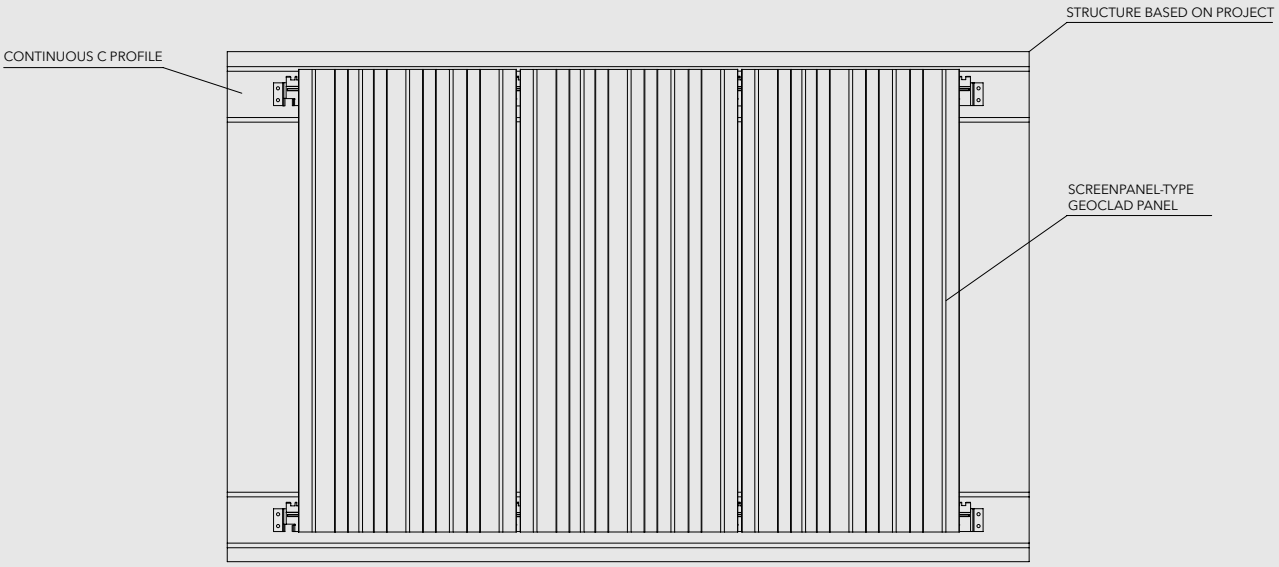


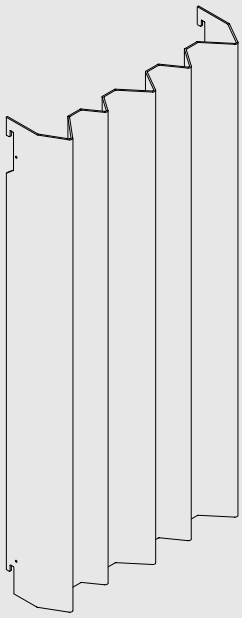


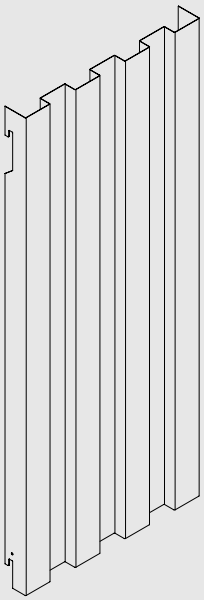
INSTALLATION

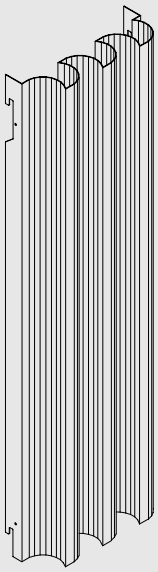
SCREENPANEL-TYPE GEOCLAD PANEL



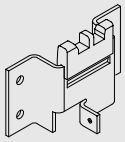




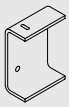




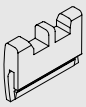
SUPPORT CLIP



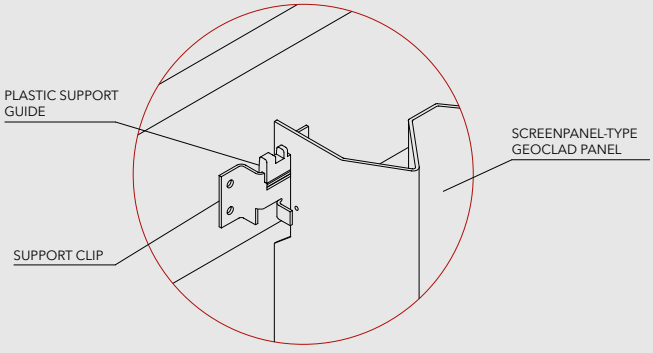
SPECIFIC C PROFILE



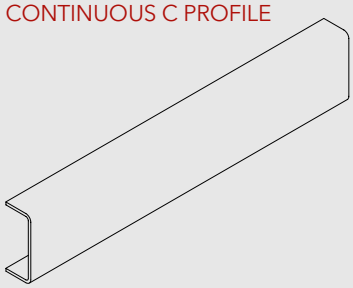
PLASTIC SUPPORT GUIDE



PANEL DETAILS

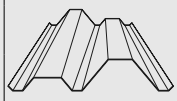
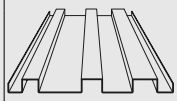
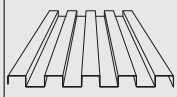
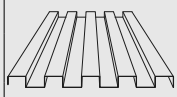
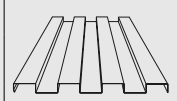


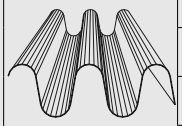
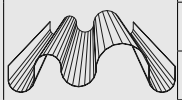
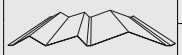
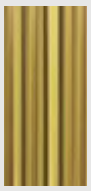
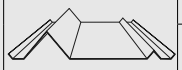
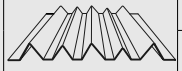
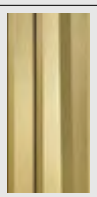
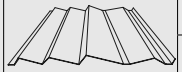
CONTINUOUS C PROFILE



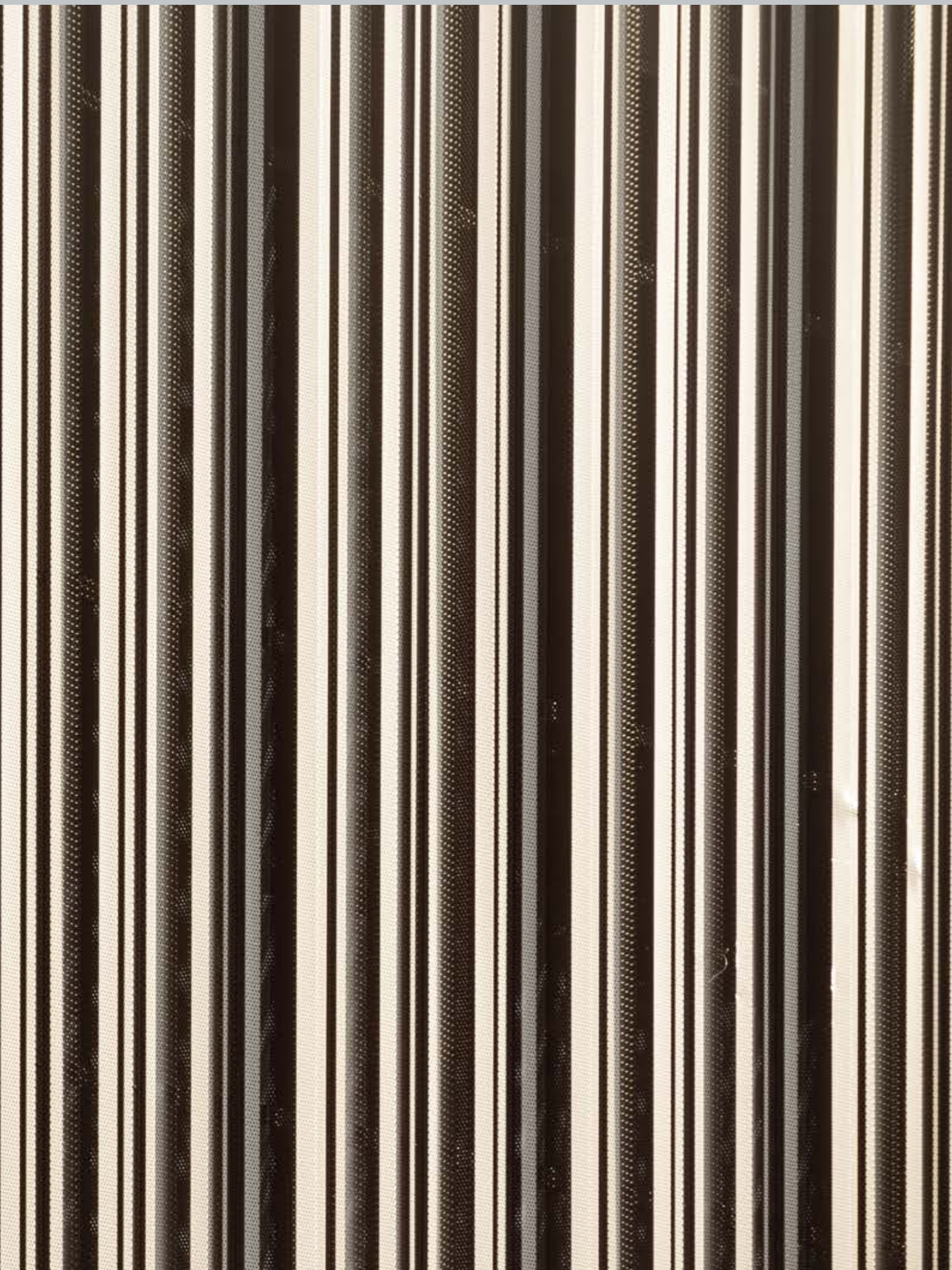

TICKETS
BSAS

GEOCLAD
Facades | Single Skin Panels

MODEL CODE	3D VIEW	FRONT VIEW	COMMERCIAL CODE	MATERIAL	DIMENSIONS (mm)		METALSCREEN ONLY HD FINE WEFTS	PERFORATION OPTIONS	
					THICKNESS	PANEL WIDTH		IN LINE**	PUNCH-OUT***
QLC 45			QL 605-430/Az	ZINCALUM	0.5-0.6-1.0-1.2-2.0	460	✔	✔	✔
			QL 605-430/Al	ALUMINUM	0.7-1.0-1.2				
			QL 605-430/Eu	SPECIAL ALUMINUM	0.6-0.7-1.0-1.5				
			QL 605-430/Ac	CORTEN STEEL	0.6-1.0-1.9				
QLC 100			QL 605-460/Az	ZINCALUM	0.5-0.6-1.0-1.2-2.0	405	✔	✔	✔
			QL 605-460/Al	ALUMINUM	0.7-1.0-1.2				
			QL 605-460/Eu	SPECIAL ALUMINUM	0.6-0.7-1.0-1.5				
			QL 605-460/Ac	CORTEN STEEL	0.6-1.0-1.9				
QL 456			QL 605-350/Az	ZINCALUM	0.5-0.6-1.0-1.2-2.0	350	✔	✔	✔
			QL 605-350/Al	ALUMINUM	0.7-1.0-1.2				
			QL 605-350/Eu	SPECIAL ALUMINUM	0.6-0.7-1.0				
			QL 605-350/Ac	CORTEN STEEL	0.6-1.0				
QL 3025			QL 605-315/Az	ZINCALUM	0.5-0.6-1.0-1.2-2.0	312	✔	✔	✔
			QL 605-315/Al	ALUMINUM	0.7-1.0-1.2				
			QL 605-315/Eu	SPECIAL ALUMINUM	0.6-0.7-1.0				
			QL 605-315/Ac	CORTEN STEEL	0.6-1.0				
QL 4025			QL605-330/AZ	ZINCALUM ALUMINUM CORTEN STEEL	0.5-0.6-1.0	330	✔	✔	✔
			QL605-330/AL		0.7-1.0-1.2				
			QL605-330/AC		0.6-1.0				
QL 6025			QL605-360/AZ	ZINCALUM ALUMINIO CORTEN STEEL	0.5-0.6-1.0	360	✔	✔	✔
			QL605-360/AL		0.7-1.0-1.2				
			QL605-360/AC		0.6-1.0				
QL 8050			QL 605-338/Az	ZINCALUM	0.5-0.6-1.0-1.2-2.0	338	✔	✔	✔
			QL 605-338/Al	ALUMINUM	0.7-1.0-1.2-3.0				
			QL 605-338/Eu	SPECIAL ALUMINUM	0.6-0.7-1.0				
			QL 605-338/Ac	CORTEN STEEL	0.6-1.0				
SW 15			QL 605-270/Az	ZINCALUM	0.5-0.6-1.0-1.2	270	✔	✔	✔
			QL 605-270/Al	ALUMINUM	0.7-1.0-1.2				
			QL 605-270/Eu	SPECIAL ALUMINUM	0.6-0.7-1.0				
			QL 605-270/Ac	CORTEN STEEL	0.6-1.0				
SLW 90			QL 605-480/Az	ZINCALUM	0.5-0.6-1.0-1.2	480	✔	✔	✔
			QL 605-480/Al	ALUMINUM	0.7-1.0-1.2				
			QL 605-480/Eu	SPECIAL ALUMINUM	0.6-0.7-1.0				
			QL 605-480/Ac	CORTEN STEEL	0.6-1.0				

MODEL CODE	3D VIEW	FRONT VIEW	COMMERCIAL CODE	MATERIAL	DIMENSIONS (mm)		METALSCREEN ONLY HD FINE WEFTS*	PERFORATION OPTIONS	
					THICKNESS	PANEL WIDTH		IN LINE**	PUNCH-OUT***
SW 100			QL 605-270/Az	ZINCALUM	0.5-0.6-1.0-1.2	270	✔	✔	✔
			QL 605-270/Al	ALUMINUM	0.7-1.0-1.2				
			QL 605-270/Eu	SPECIAL ALUMINUM	0.6-0.7-1.0				
			QL 605-270/Ac	CORTEN STEEL	0.6-1.0				
SW 1510			QL1000-750/Az	ZINCALUM	0.5-0.6-1.0-1.2	750	✔	×	✔
			QL1000-750/Al	ALUMINUM	0.7-1.0-1.2				
			QL1000-750/Eu	SPECIAL ALUMINUM	0.6-0.7-1.0				
			QL1000-750/Ac	CORTEN STEEL	0.6-1.0				
SW 1520			QL1000-480/Az	ZINCALUM	0.5-0.6-1.0-1.2-2.0	480	✔		✔
			QL1000-480/Al	ALUMINUM	0.7-1.0-1.2-3.0				
			QL1000-480/Eu	SPECIAL ALUMINUM	0.6-0.7-1.0-1.5				
			QL1000-480/Ac	CORTEN STEEL	0.6-1.0-1.9				
T 1			QL 605-390/Az	ZINCALUM	0.5-0.6-1.0-1.2-2.0	390	✔	✔	✔
			QL 605-390/Al	ALUMINUM	0.7-1.0-1.2-3.0				
			QL 605-390/Eu	SPECIL	0.6-0.7-1.0-1.5				
			QL 605-390/Ac	CORTEN STEEL	0.6-1.0-1.9				
T 6			QL 605-550/Az	ZINCALUM	0.5-0.6-1.0-1.2	550	✔	✔	✔
			QL 605-550/Al	ALUMINUM	0.7-1.0-1.2				
			QL 605-550/Eu	SPECIAL ALUMINUM	0.6-0.7-1.0				
			QL 605-550/Ac	CORTEN STEEL	0.6-1.0				
T 8			QL 605-365/Az	ZINCALUM	0.5-0.6-1.0-1.2-2.0	365	✔	✔	✔
			QL 605-365/Al	ALUMINUM	0.7-1.0-1.2				
			QL 605-365/Eu	SPECIAL ALUMINUM	0.6-0.7-1.0-1.5				
			QL 605-365/Ac	CORTEN STEEL	0.6-1.0-1.9				
T 100			QL 605-430/Az	ZINCALUM	0.5-0.6-1.0-1.2-2.0	430	✔	✔	✔
			QL 605-430/Al	ALUMINUM	0.7-1.0-1.2-3.0				
			QL 605-430/Eu	SPECIAL ALUMINUM	0.6-0.7-1.0-1.5				
			QL 605-430/Ac	CORTEN STEEL	0.6-1.0-1.9				
T 110			QL 605-460/Az	ZINCALUM	0.5-0.6-1.0-1.2-2.0	460	✔	✔	✔
			QL 605-460/Al	ALUMINUM	0.7-1.0-1.2-3.0				
			QL 605-460/Eu	SPECIAL ALUMINUM	0.6-0.7-1.0-1.5				
			QL 605-460/Ac	CORTEN STEEL	0.6-1.0-1.9				
TC 4			QL 605-550/Az	ZINCALUM	0.5-0.6-1.0-1.2	550	✔	✔	✔
			QL 605-550/Al	ALUMINUM	0.7-1.0-1.2				
			QL 605-550/Eu	SPECIAL ALUMINUM	0.6-0.7-1.0				
			QL 605-550/Ac	CORTEN STEEL	0.6-1.0				
TC 21			QL 605-440/Az	ZINCALUM	0.5-0.6-1.0-1.2	440	✔	✔	✔
			QL 605-440/Al	ALUMINUM	0.7-1.0-1.2				
			QL 605-440/Eu	SPECIAL ALUMINUM	0.6-0.7-1.0				
			QL 605-440/Ac	CORTEN STEEL	0.6-1.0				

GEOCLAD
Facades | Single Skin Panels



QUADROLINES
Facades | Single Skin Panels

QuadroLines panels have been designed to cover facades, providing a continuous and homogeneous appearance. Their linearity and geometry make this a simple panel. It can be installed horizontally or vertically, which makes it very versatile. Perforated panels can be installed cladding glass panes to provide excellent sun control.

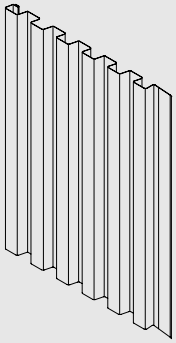
TECHNICAL DESCRIPTION

TABLE WEIGHT

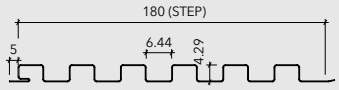
PRODUCT	MATERIAL	MAX. LENGTH (ml)	THICKNESS (mm)	WEIGHT (kg/m²)	YIELD (Panels/m2)
QUADROLINES 15 x 10	ZINCALUM	6000	0.4	5.2	5.55
	ZINCALUM		0.5	6.5	
	ALUMINUM		0.6	2.68	
	ALUMINUM		0.7	3.12	
QUADROLINES 30 x 15	ZINCALUM		0.5	6.14	2.6
	ALUMINUM		0.6	2.53	
	ALUMINUM		0.7	2.95	
	CORTEN STEEL		0.6	7.5	

- Colors: Available in over 100 standard and custom colors
- Finish: Perforated or flat
- Use: Cladding
- Lengths: We recommend length not longer than 6000 mm
- Other available materials: Aluminum, copper, zinc and Corten steel only for 30 x 15

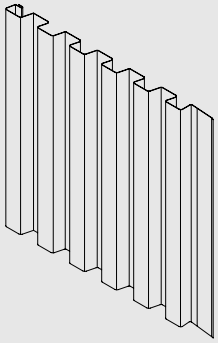
QUADROLINES 15 X 10 PANEL



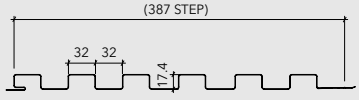
QUADROLINES 15 X 10 PANEL SECTION



QUADROLINES 30 X 15 PANEL



QUADROLINES 30 X 15 PANEL SECTION

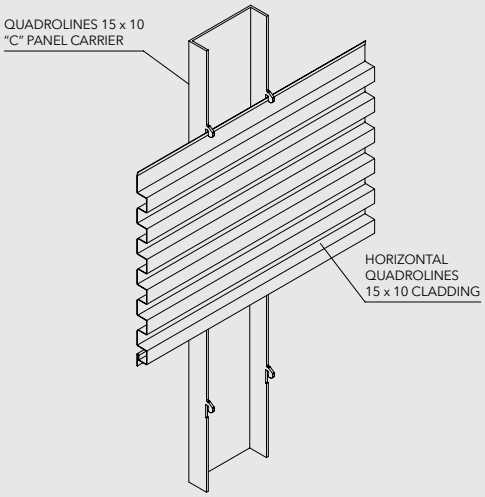


INSTALLATION

Installation of QuadroLines 15 x 10 panels is based on a tongue-and-groove system with panel carriers. Panel carrier “C” is designed for interior wall applications and curved surfaces. Panel carrier “V” is mainly used for facades and ceilings. The QuadroLines 30 x 15 panel is affixed directly to the structure using a tongue-and-groove system that allows for a homogeneous reading without visible joints or mountings.

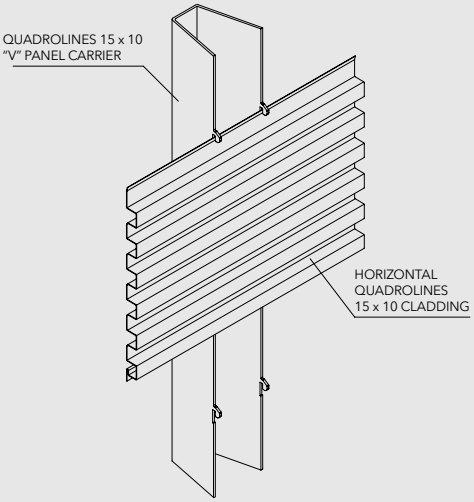
QUADROLINES 15 x 10 “C” PANEL CARRIER

*Panel carrier recommended for cladding installation.

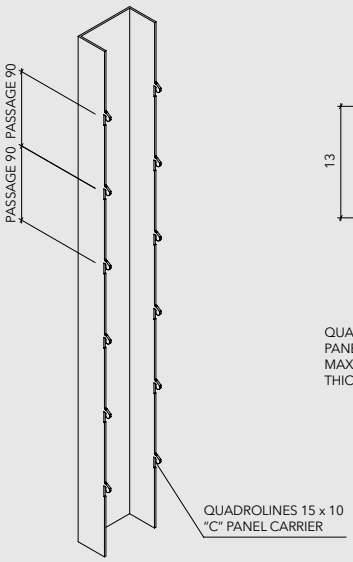


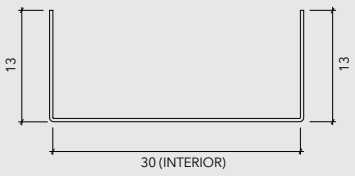
QUADROLINES 15 x 10 “V” PANEL CARRIER

*Panel carrier recommended for ceiling installation.

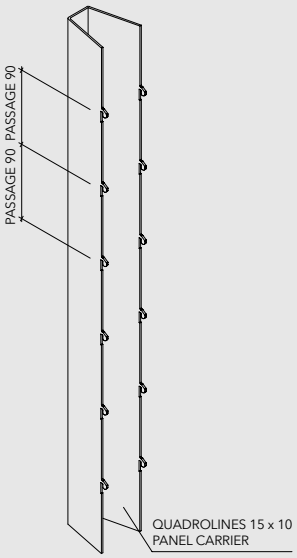


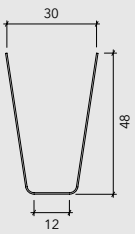
INSTALLATION





QUADROLINES 15 x 10 “C”
PANEL CARRIER SECTION
MAXIMUM LENGTH: 4000 mm
THICKNESS 0.8 mm

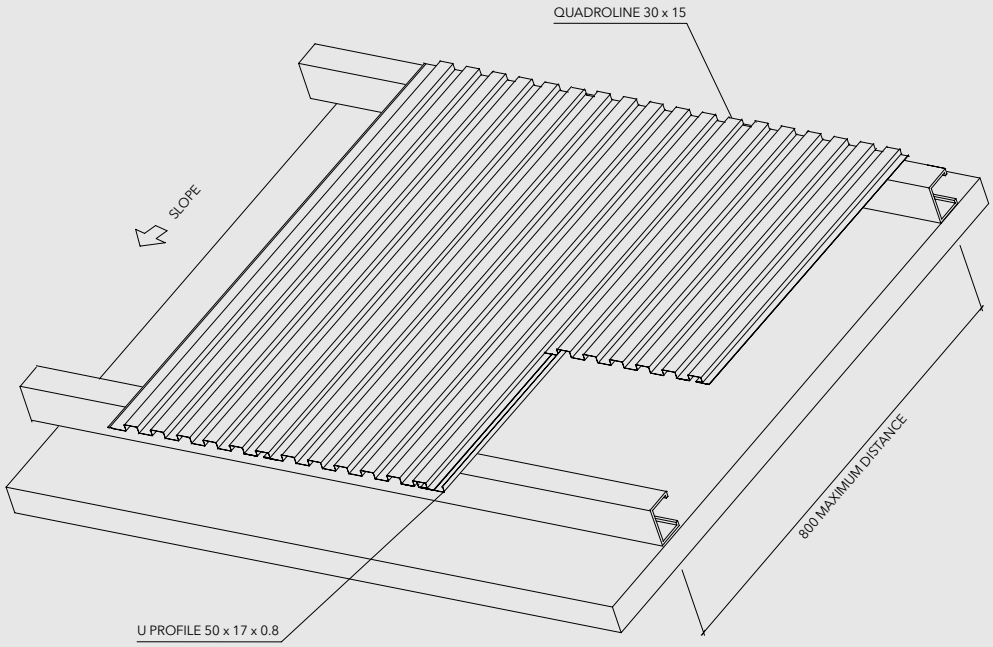


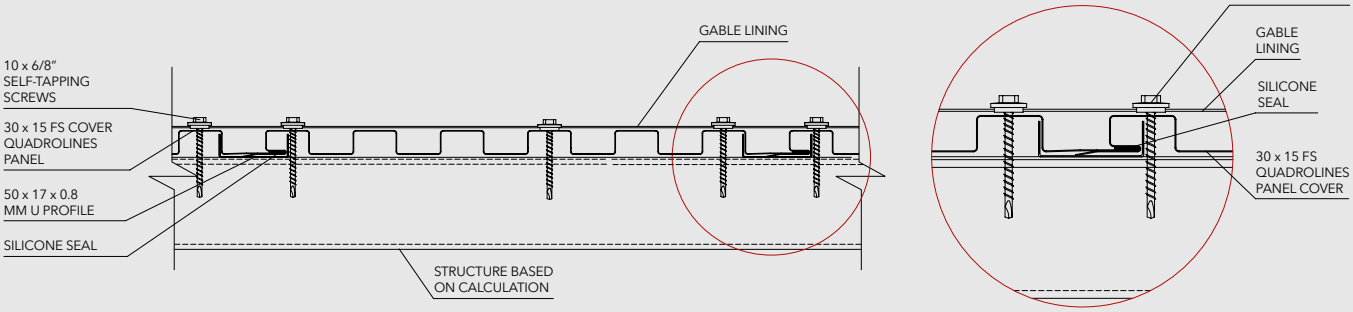


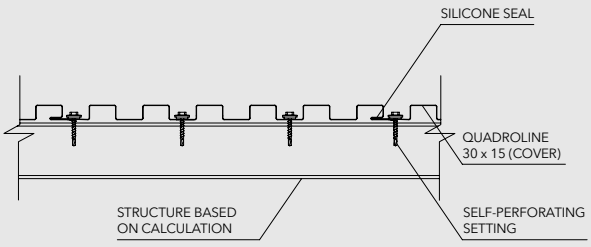
QUADROLINES 15 x 10 “V”
PANEL CARRIER SECTION
MAX. LENGTH: 4000 mm
THICKNESS: 0.8 mm

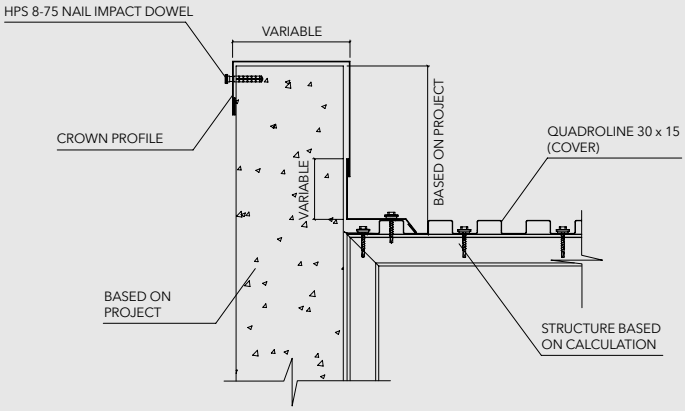
* The QuadroLines 30 x 15 and 60 x 30 panel is affixed directly to the structure based on a tongue-and-groove joint system, which allows for a homogeneous reading without visible joints and mountings.

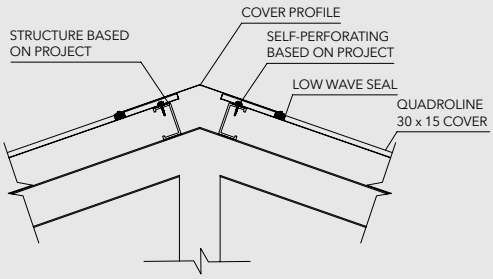
ISOMETRIC QUADROLINES CLADDING (30 x 15)

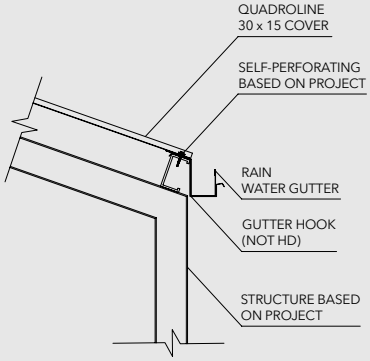










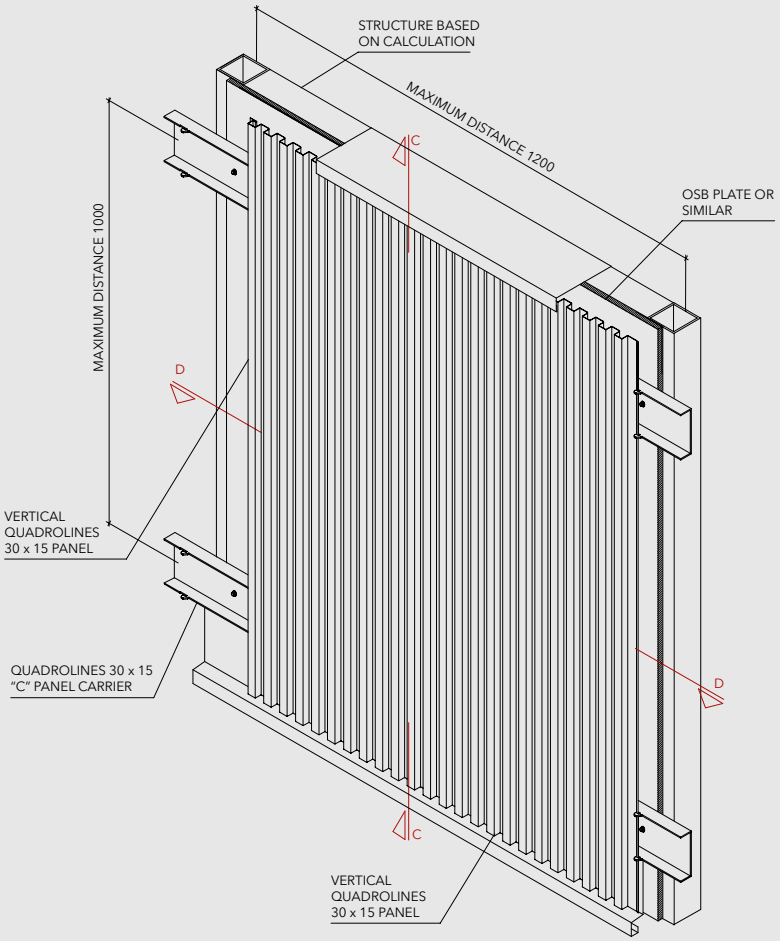


QUADROLINES

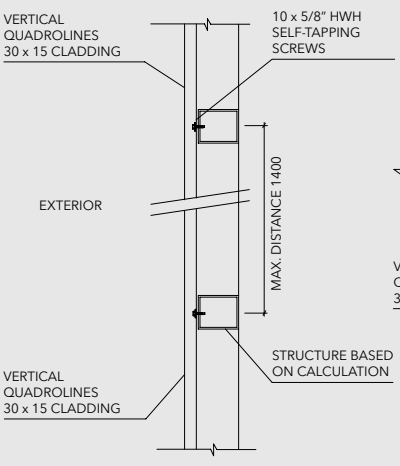
Facades | Single Skin Panels

INSTALLATION

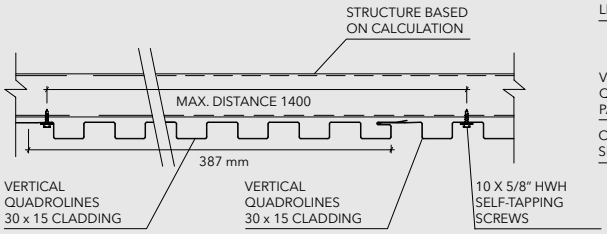
ISOMETRIC QUADROLINES 30 x 15



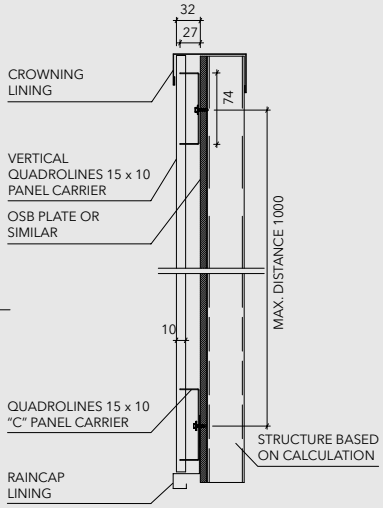
SECTION A



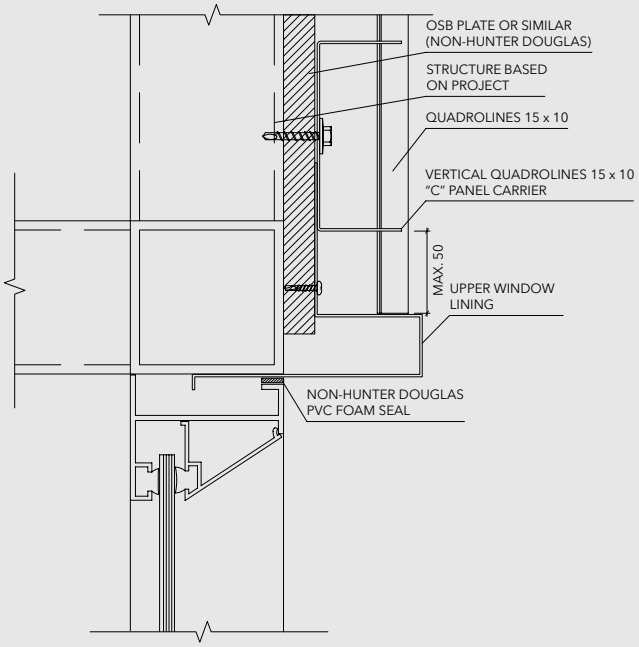
SECTION B



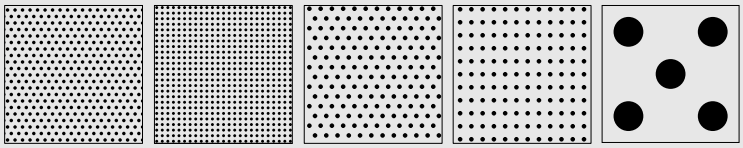
SECTION C



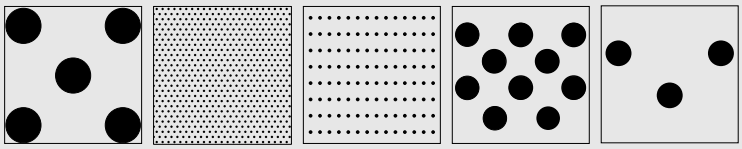
TOP WINDOW DETAIL



STANDARD PERFORATIONS



# 103	# 106	# 110-M1	# 110-M3	# 112
Ø 3 mm	Ø 2.5 mm	Ø 3.9 mm	Ø 3,9 mm	Ø 10 mm
20% open	16% open	21% open	21% open	23% open
6.35 mm	5.5 mm	9.53 mm	9.53 mm	18 mm
5.5 mm	5.5 mm	8.25 mm	11 mm	4 mm

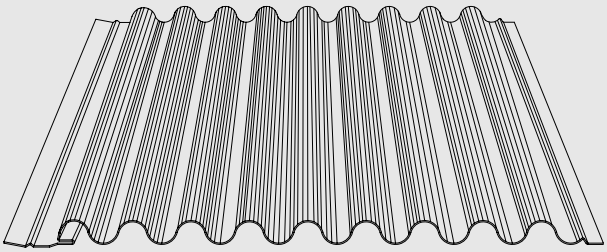


# 113	# 118	# 118 M2	# 130	# 131
Ø 15 mm	Ø 2 mm	Ø 2 mm	Ø $10^{\pm0,05}$ mm	Ø $15^{\pm0,05}$ mm
23% open	15% open	7.3% open	30% open	10% open
27 mm	8.6 mm	3 mm	12.6 mm	50 mm
6 mm	5 mm	6.6 mm	1.3 mm	12 mm

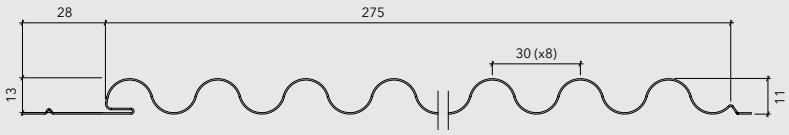
Note: The components of the product on this sheet are constantly subject to innovation and development, and may be subject to change. The measurements listed on this technical sheet are expressed in millimeters (mm). In order to ensure that the product functions properly, installation should always be completed by an authorized distributor using all of the accessories identified in accordance with Hunter Douglas technical specifications.

MINIWAVE
Facades | Single Skin Panels

The Miniwave panel has been designed to be used as ceiling and cladding, interior or exterior, with a geometry based on fine wavy lines. It is installed with a tongue and groove connection system. The system may consider intermediate fixings on-demand, as required by the project. The panels can be installed horizontally or vertically. This perforated panel can be also used in passive sun control applications and acoustic solutions.



MINIWAVE SECTION



TECHNICAL DESCRIPTION

PRODUCT	MATERIAL	THICKNESS (mm)	WEIGHT (kg/m²)	YIELD (Panels/m²)
MINIWAVE	ZINCALUM	0,4	4,5	3,70
		0,5	5,62	

CURVED MINIWAVE PANEL WITH CONNECTION EDGES

MINIMUM RADIOS		
THICKNESS (mm)	RADIO (mm)	MAX. LENGTH (mm)
0,4 - 0,5	13000	2500

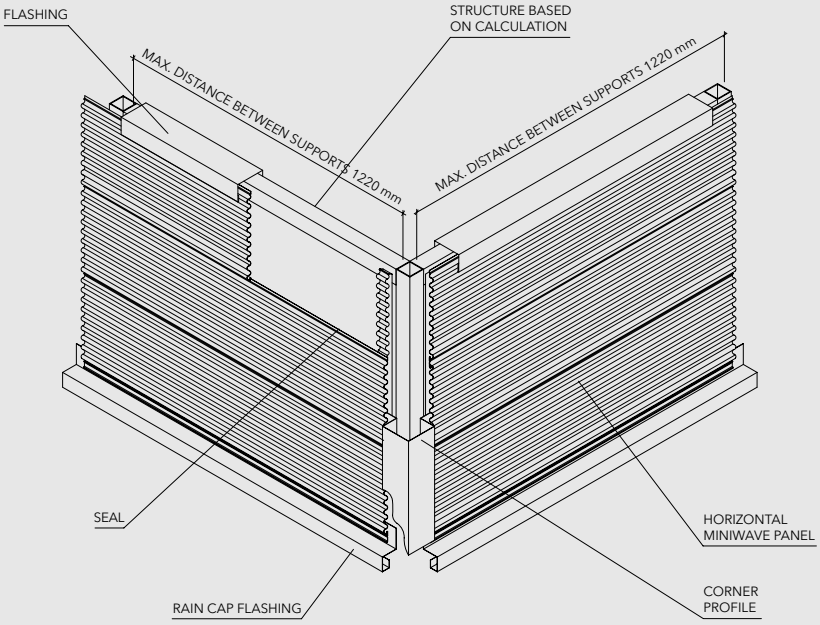
CURVED MINIWAVE PANEL WITHOUT CONNECTION EDGES (deck application)

MINIMUM RADIOS		
THICKNESS (mm)	RADIO (mm)	MAX. LENGTH (mm)
0,4	2500	2500

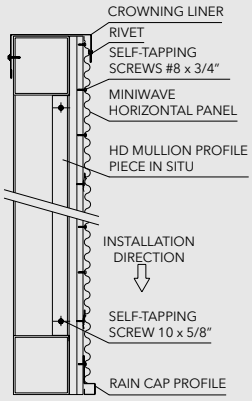
The yield of the curved panel without lock is 4.1 ml/m

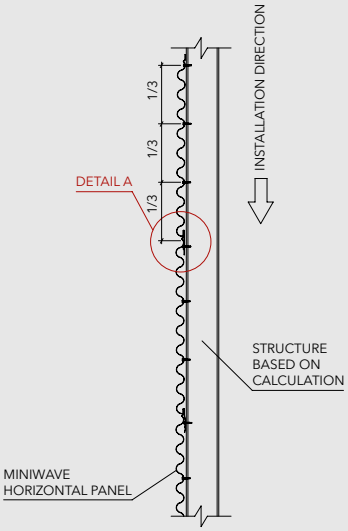
- Colors: Available in over 100 standard and custom colors
- Finish: Smooth, perforated, Woodgrains and Mineralgrains
- Use: Cladding
- Lengths: We recommend length no longer than 6000 mm
- Other available materials: Corten steel, aluminum, copper y zinc

INSTALLATION

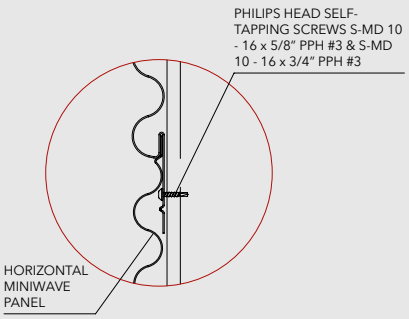


FIXING LOCATION

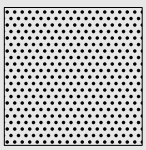




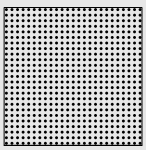
DETAIL A



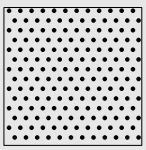
STANDARD PERFORATIONS



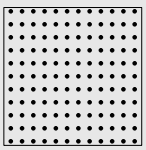
103
Ø 2,95 $^{\pm 0,05}$ mm
20% open
3,35 mm
2,5 mm



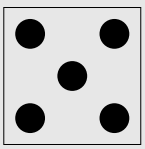
106
Ø 2,5 $^{\pm 0,05}$ mm
16% open
3 mm
3 mm



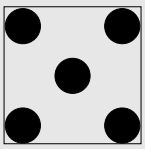
110-M1
Ø 3,9 $^{\pm 0,05}$ mm
15% open
5,53 mm
4,25 mm



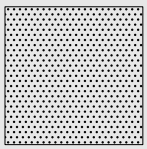
110-M3
Ø 3,9 $^{\pm 0,05}$ mm
12% open
5,53 mm
7 mm



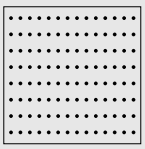
112
Ø 10 mm
20% open
18 mm
4 mm



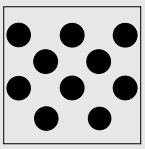
113
Ø 15 mm
20% open
27 mm
6 mm



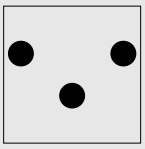
118
Ø 2 mm
15% open
3 mm
2,3 mm



118 M2
Ø 2 mm
7,3% open
3 mm
6,6 mm



130
Ø 10$^{\pm 0,05}$ mm
30% open
12,6 mm
1,3 mm

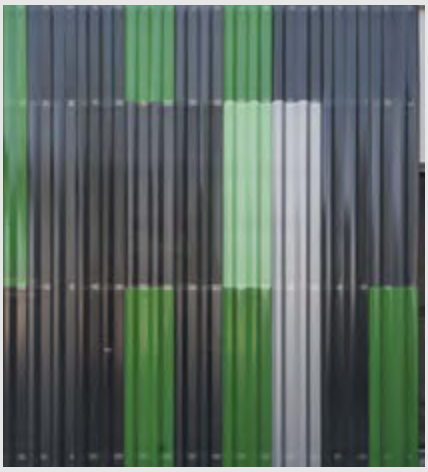


131
Ø 15$^{\pm 0,05}$ mm
10% open
50 mm
12 mm

Note: The components of the product on this sheet are constantly subject to innovation and development, and may be subject to change. The measurements listed on this technical sheet are expressed in millimeters (mm). In order to ensure that the product functions properly, installation should always be completed by an authorized distributor using all of the accessories identified in accordance with Hunter Douglas technical specifications.

SOFTWAVE 25 - 50

SOFTWAVE 25 - 50
Facades | Single Skin Panels

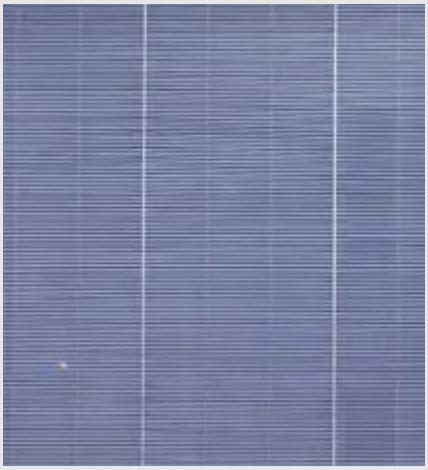


SoftWave 25 - 50 panels have been designed to be used as cladding. They have a unique geometry that mainly responds to aesthetic requirements expressed in panels with curved lines. These are made in smooth and perforated finishes with 10 standard patterns. The perforated panels can be used as a sun control element. They can be installed on facades with horizontal or vertical waves. The splicing is tongue-and-groove and the smooth part is affixed to the structure. Unaligned or uneven structures should use an auxiliary structure based on Hunter Douglas mullion profiling.

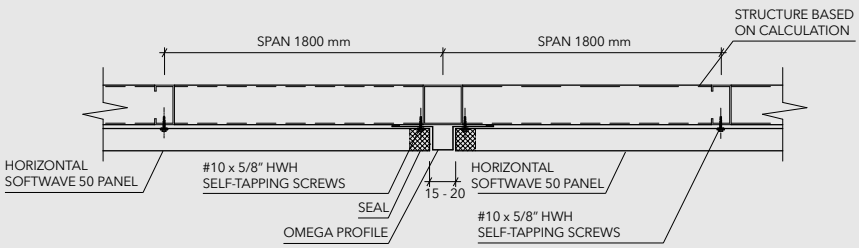
TECHNICAL DESCRIPTION

PRODUCT	MATERIAL	THICKNESS	WEIGHT kg/m²	YIELD PANELS/m²
SOFTWAVE 25	ZINCALUM	0.5	5.76	3.63
		0.6	6.91	
SOFTWAVE 50	ZINCALUM	0.5	5.61	2.33
		0.6	6.73	

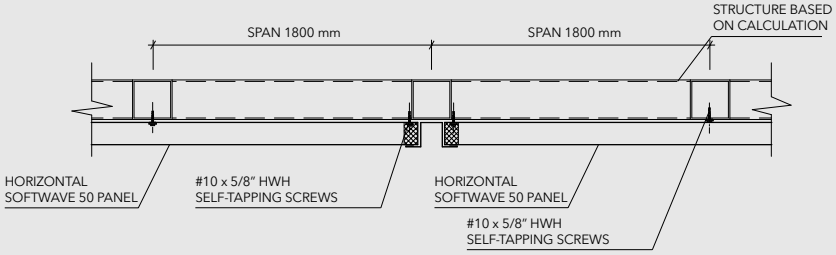
- Colors: Available in over 100 colors and custom colors, wood grains or mineral grains
- Finish: Perforated or flat
- Uses: Cladding
- Lengths: The length is based on project requirements, but we recommend that it not to exceed 8 m
- Other available materials: Corten steel, aluminum, copper and zinc



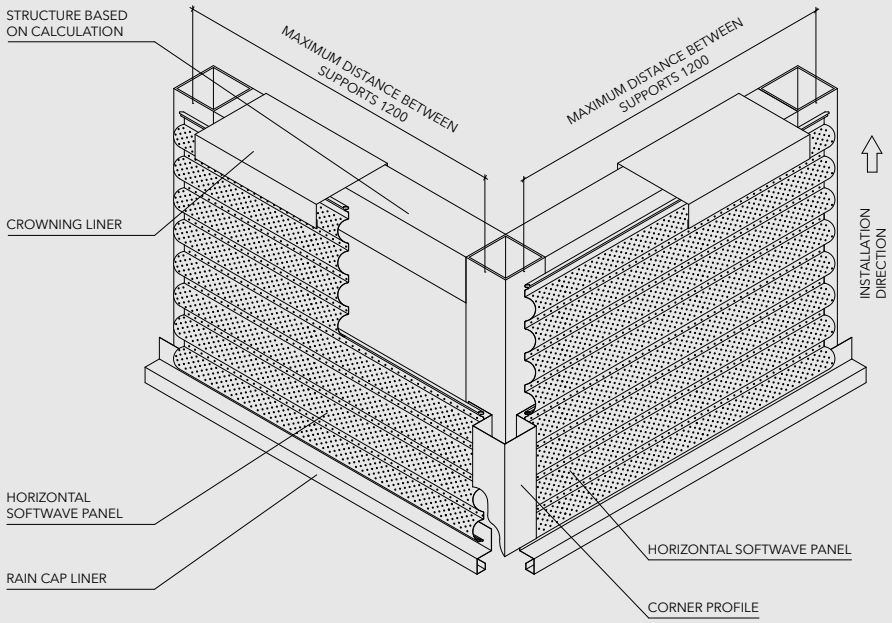
OPTION WITHOUT OPEN JOINT



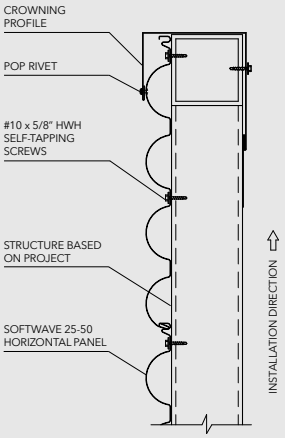
OPTION WITH OPEN JOINT



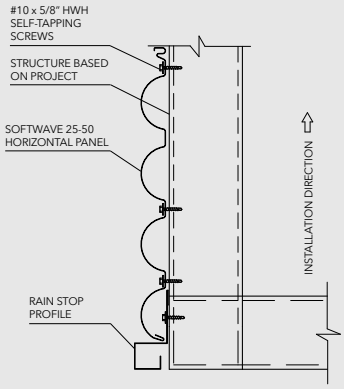
INSTALLATION



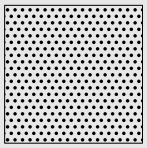
TOP DETAIL
HORIZONTAL SOFTWAVE 25-50 PANEL



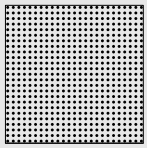
BOTTOM DETAIL
HORIZONTAL SOFTWAVE 25-50 PANEL



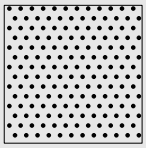
STANDARD PERFORATIONS



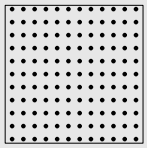
103
Ø 2.95 $^{\pm 0,05}$ mm
20% open
3.35 mm
2.5 mm



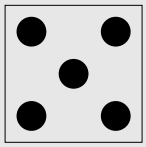
106
Ø 2.5 $^{\pm 0,05}$ mm
16% open
3 mm
3 mm



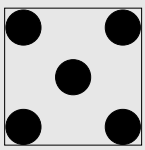
110-M1
Ø 3.9 $^{\pm 0,05}$ mm
15% open
5.53 mm
4.25 mm



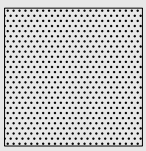
110-M3
Ø 3,9 $^{\pm 0,05}$ mm
12% open
5.53 mm
7 mm



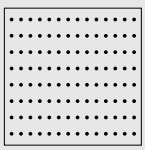
112
Ø 10 mm
20% open
18 mm
4 mm



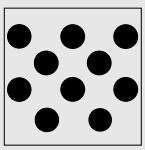
113
Ø 15 mm
20% open
27 mm
6 mm



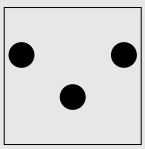
118
Ø 2 mm
15% open
3 mm
2.3 mm



118 M2
Ø 2 mm
7.3% open
3 mm
6.6 mm



130
Ø 10$^{\pm 0,05}$ mm
30% open
12.6 mm
1.3 mm

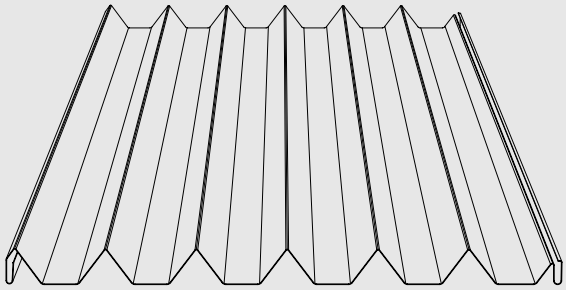


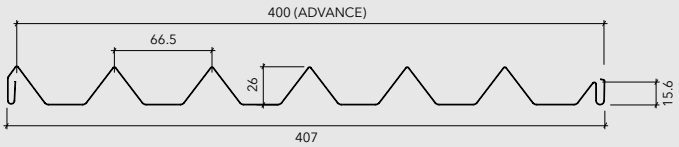
131
Ø 15$^{\pm 0,05}$ mm
10% open
50 mm
12 mm

Note: The components of the product on this sheet are constantly subject to innovation and development, and may be subject to change. The measurements listed on this technical sheet are expressed in millimeters (mm). In order to ensure that the product functions properly, installation should always be completed by an authorized distributor using all of the accessories identified in accordance with Hunter Douglas technical specifications.

UVELINE
Fachadas | Paneles single skin

The UveLine panel has been designed to be installed as a cladding. It has a unique geometry expressed on the basis of straight lines. It can be installed vertically or horizontally.
Its sloped edges offer a unique appearance that changes dramatically depending on the angle at which the light impacts it.





TECHNICAL DESCRIPTION

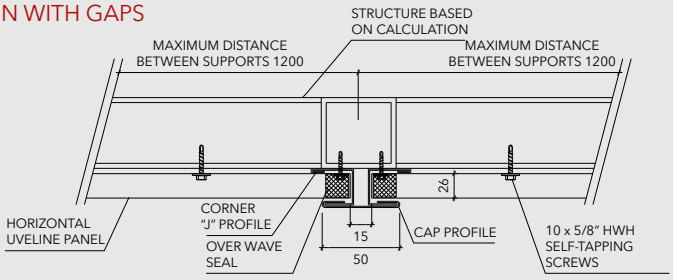
- Colors: Available in over 100 colors and custom colors, wood grains or mineral grains.
- Finish: Smooth or perforated
- Uses: Cladding
- Lengths: The length is based on project requirements, but we recommend that it not exceed 6 m
- Other available materials: Corten steel, aluminum, copper and zinc

PRODUCT	MATERIAL	THICKNESS (mm)	WEIGHT (kg/m²)	YIELD (panels/m²)
UVELINE	ZINCALUM	0.5	5.9	2.5
		0.6	7.5	

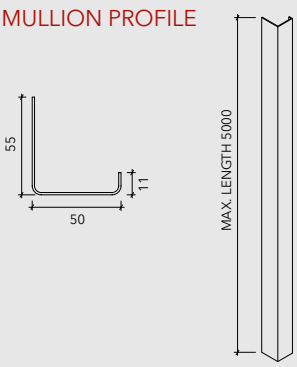
INSTALLATION

UveLine panels are easy, quick and inexpensive to install. They are fixed directly to the support structure using a self-perforating screw. The recommended seals are made of reticulated polyethylene. The connection between panels is done by a tongue-and-groove and is affixed to the structure in the valley.

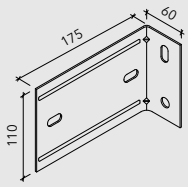
OPTION WITH GAPS



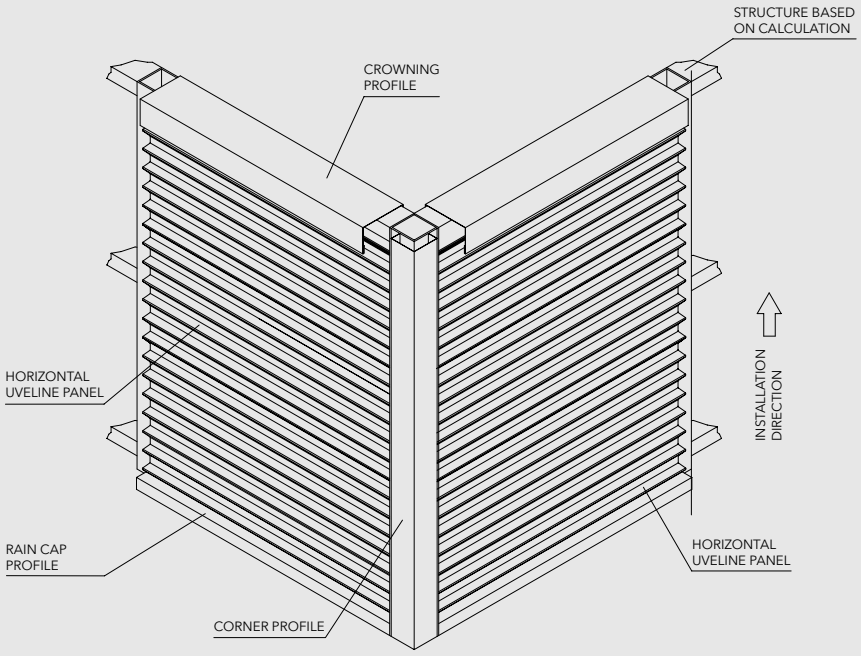
MULLION PROFILE



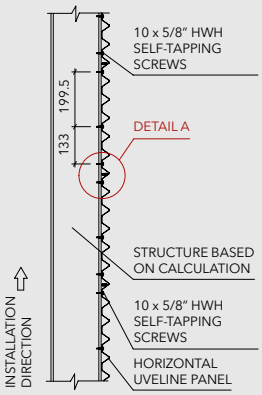
BRACKET



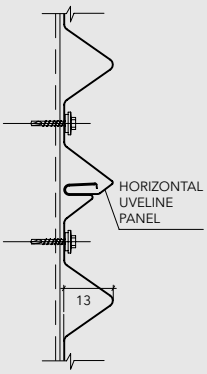
INSTALLATION



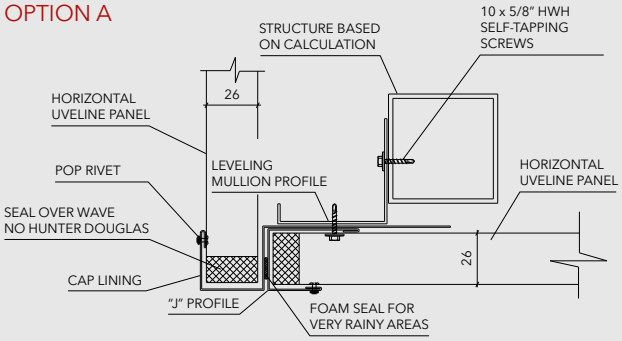
SETTING AND DIRECTION OF INSTALLATION



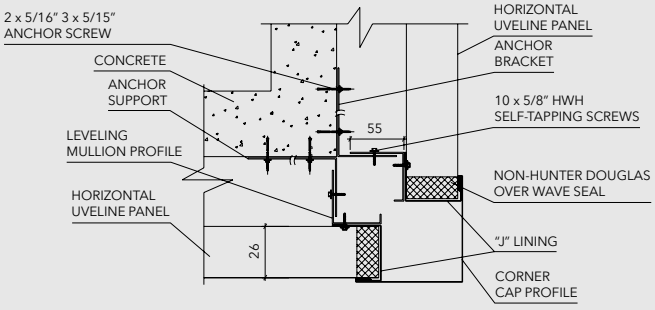
DETAIL A



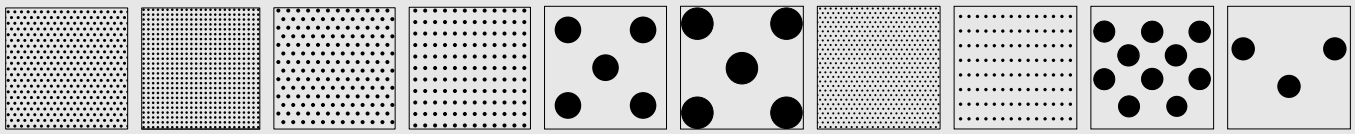
OPTION A



OPTION B



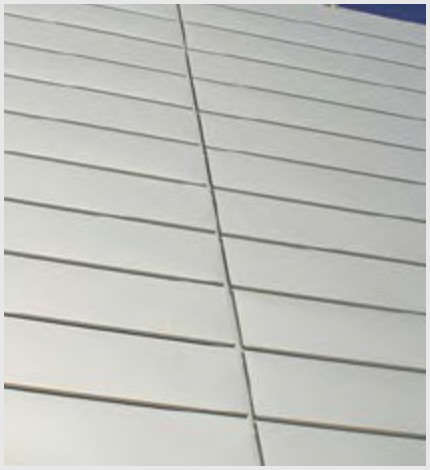
STANDARD PERFORATIONS



# 103	# 106	# 110-M1	# 110-M3	# 112	# 113	# 118	# 118 M2	# 130	# 131
Ø 2.95 $^{\pm 0,05}$ mm	Ø 2.5 $^{\pm 0,05}$ mm	Ø 3.9 $^{\pm 0,05}$ mm	Ø 3.9 $^{\pm 0,05}$ mm	Ø 10 mm	Ø 15 mm	Ø 2 mm	Ø 2 mm	Ø 10 $^{\pm 0,05}$ mm	Ø 15 $^{\pm 0,05}$ mm
20% open	16% open	15% open	12% open	20% open	23% open	15% open	7.3% open	30% open	10% open
3.35 mm	3 mm	5.53 mm	5.53 mm	18 mm	27 mm	3 mm	3 mm	12.6 mm	50 mm
2.5 mm	3 mm	4.25 mm	7 mm	4 mm	6 mm	2.3 mm	6.6 mm	1.3 mm	12 mm

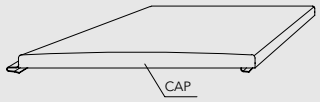
Note: The components of the product on this sheet are constantly subject to innovation and development, and may be subject to change. The measurements listed on this technical sheet are expressed in millimeters (mm). In order to ensure that the product functions properly, installation should always be completed by an authorized distributor using all of the accessories identified in accordance with Hunter Douglas technical specifications.

MULTIPANEL
Facades | Single Skin Panels

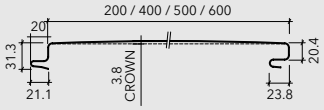


The MultiPanel F is mainly used as a cladding for facades. It can be installed vertically, horizontally or diagonally. The panel is also applied on ceilings, especially awnings. Its shape allows for attractive architectural solutions and it can be used with or without gaps with the exception of Panel 150F, which does not have gaps. The fact that it is a solution with a panel carrier and without visible joints allows for the free thermal dilation of the panel. This cladding is ideal for remodeling existing facades in residential, commercial and industrial applications and also allows for the incorporation of insulation into the building solution.

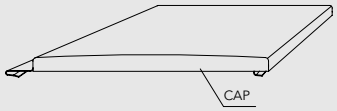
MULTIPANEL F WITHOUT GAPS



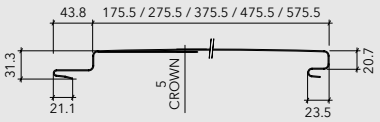
SECTION



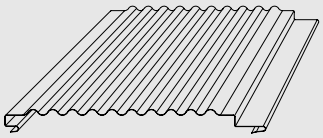
MULTIPANEL F WITH GAPS



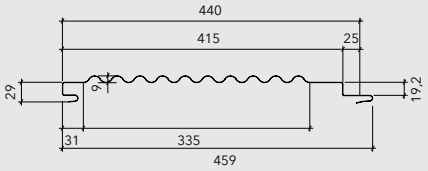
SECTION



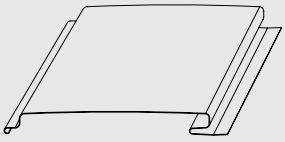
MULTIPANEL WAVE



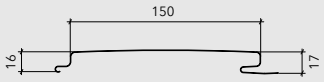
SECTION



PANEL 150 F



SECTION



TECHNICAL DESCRIPTION

PRODUCT	MATERIAL	THICKNESS (mm)	WEIGHT (kg/m²)	YIELD (panels/ml)
MULTIPANEL 150 F CLADDING	ZINCALUM	0.4	4.76	6.6 panels / meter
		0.5	5.96	
		0.6	7.1	
MULTIPANEL 300 F CLADDING		0.6	6.58	3.3 panels / meter
MULTIPANEL 400 F CLADDING		0.8	8.16	2.5 panels / meter
MULTIPANEL 500 F CLADDING		1.0	7.81	2.0 panels / meter
MULTIPANEL 600 F CLADDING		1.0	9.43	1.7 panels / meter
MULTIPANEL WAVE CLADDING		0.6	6.0	2.3 panels / meter

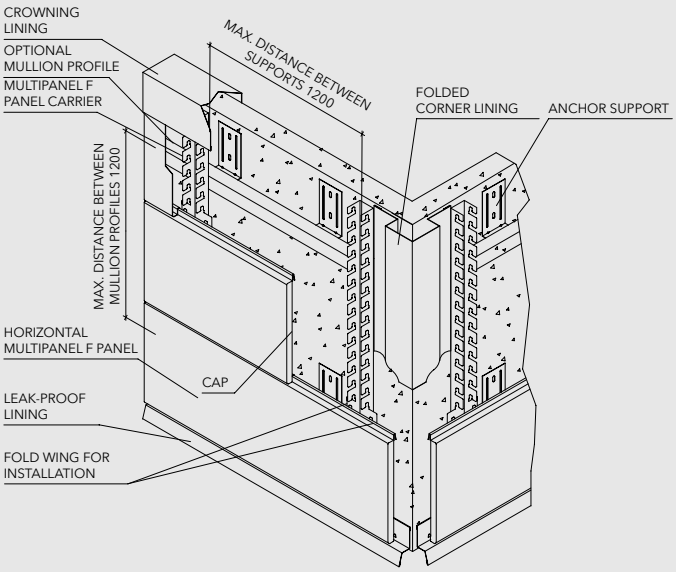
- Colors: Over 100 standard colors and custom colors upon request, wood grains and mineral grains
- Texture: Smooth or sandy in the case of MultiPanel F 200, 300, 400, 500 and 600 Smooth or perforated in the case of MultiPanel 150 F and MultiPanel Wave
- Uses: Horizontal and vertical cladding
- Options: With and without stone work
- Other available materials: Corten steel, aluminum, zincalum and copper

ASSEMBLY

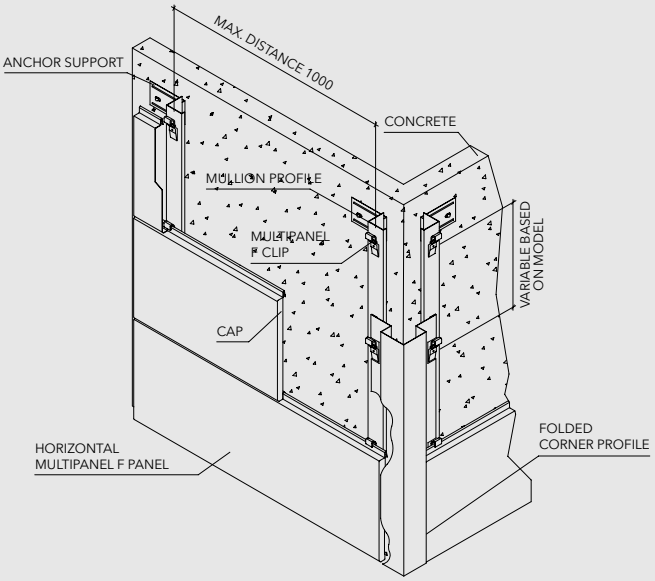
The product is installed using a panel carrier that is placed perpendicular to the panel. If no panel carrier is used, it can be replaced with clips except in the case of the 150F panel. This means that no joints are visible and allows for quick assembly.

INSTALLATION

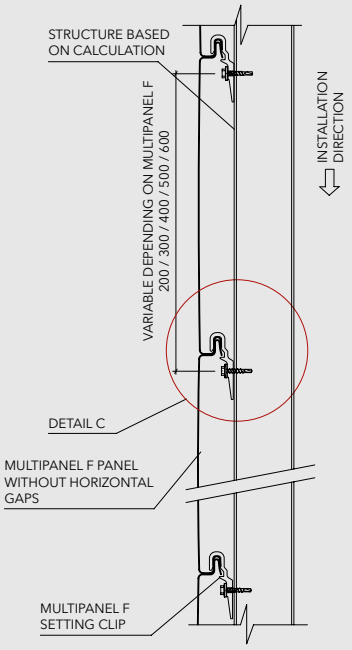
INSTALLATION WITH PANEL CARRIER



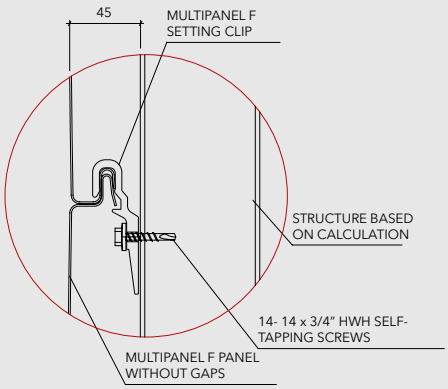
INSTALLATION WITH CLIP



INSTALLATION SYSTEM WITH MULTIPANEL F SETTING CLIP (WITHOUT GAPS)

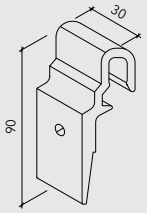


DETAIL C

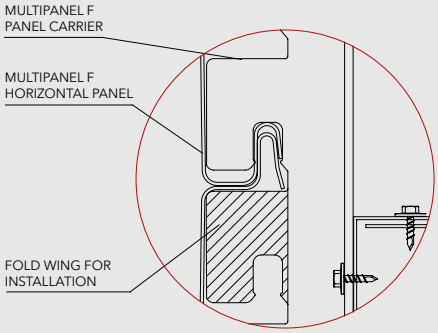


MULTIPANEL F SETTING CLIP

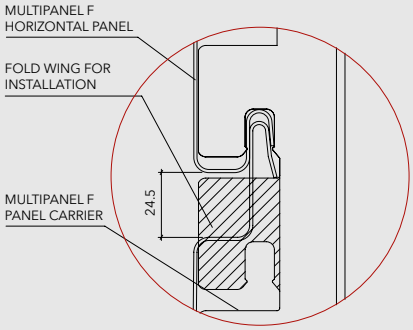
MATERIAL: ALUMINUM



WITHOUT GAPS



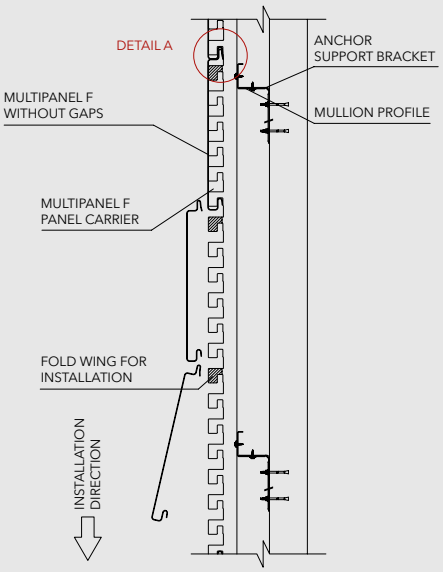
WITH GAPS

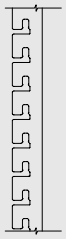


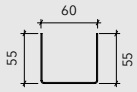
Note: If the panel carrier wing is straightened after installation, the panel cannot be disassembled.

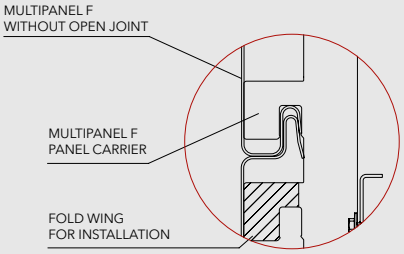
INSTALLATION DETAILS

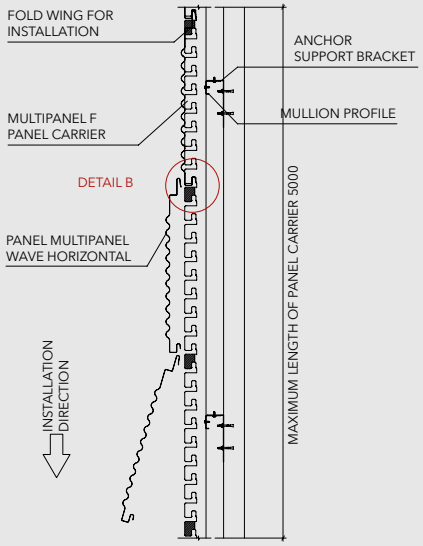
INSTALLATION OF DIRECTION OF MULTIPANEL F

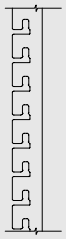


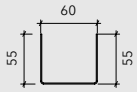


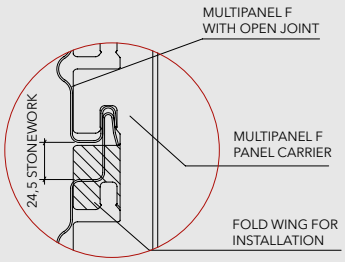












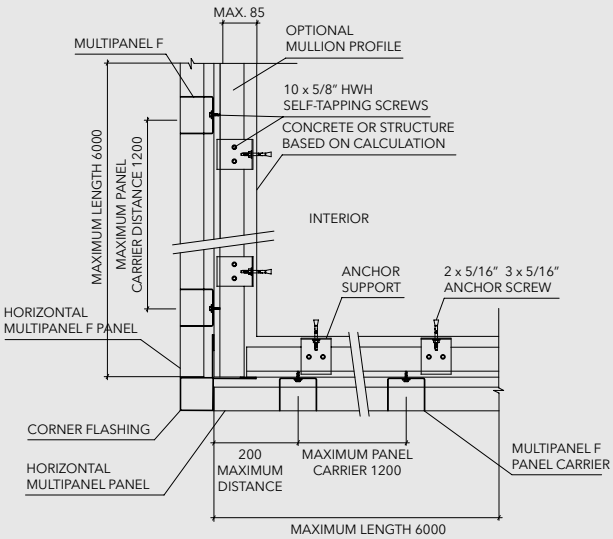


TABLE OF WEIGHTS

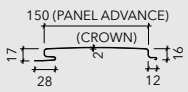
PRODUCT	MATERIAL	THICKNESS (mm)	WEIGHT (Kg/m²)
PANEL 150 F	ZINCALUM	0.4	4.64
		0.5	5.80
		0.6	6.97
	ALUMINUM	0.5	1.99
		0.7	2.79
MULTIPANEL F	ZINCALUM	0.6	6.66
	ALUMINUM	0.8	3.05
	COPPER	0.8	10.07
		1	12.59
MULTIPANEL F300	ZINCALUM	0.6	6.08
		0.8	8.11
	ALUMINUM	0.7	2.44
	COPPER	0.8	9.19
	CORTEN STEEL	1	10.13
MULTIPANEL F400	ZINCALUM	0.6	5.71
		0.8	7.62
		1	9.53
	ALUMINUM	0.8	2.62
		1	3.27
	COPPER	1	8.64
	CORTEN STEEL	0.8	9.53
MULTIPANEL F500	ZINCALUM	1	9.21
		0.8	7.36
	COPPER	1.2	10.44
		0.8	8.35
	ALUMINUM	1	3.16
		1.2	3.80
	CORTEN STEEL	1	9.21
MULTIPANEL F600	ZINCALUM	1	8.97
	ALUMINUM	1.2	3.70
		1.5	4.63
	COPPER	1.5	15.26
	CORTEN STEEL	1	8.97
MULTIPANEL WAVE	ALUMINUM	1	9.21
	ZINCALUM	0.6	5.74

FS CLADDINGS

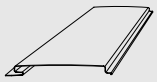
Facades | Single Skin Panels

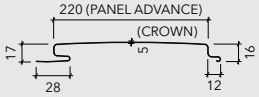
FSA panels are mainly used as a facade cladding. They can be installed vertically, horizontally or diagonally. The panel does not require a panel carrier and is installed directly on the structure. Its shape allows for attractive architectural solutions because it does not leave gaps between panels. The FS 150 and 220 panels can also be applied on ceilings and especially on awnings. There is a perforated panel option for ceilings that require high acoustic absorption. The 300 FS panel also has two options with insulation: the 300 FS Simple, which has a standard 300 FS panel and polystyrene insulation with varying thickness and a density of 20 kg/m^3, and 300 FSA Compound, which has the aforementioned elements with an insulation thickness of 40 mm and an Zincalum closure tray on the back measuring 300 mm wide and 0.4 mm thick.

150 FS PANEL SECTION

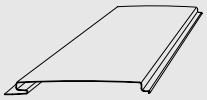


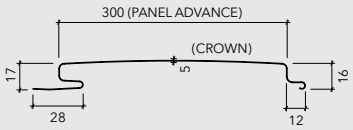
220 FS PANEL SECTION



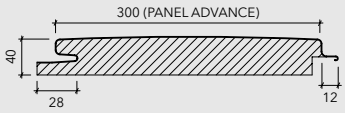


300 FS PANEL SECTION

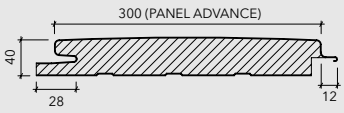




300 FSA SIMPLE PANEL SECTION



300 FSA COMPOUND PANEL SECTION



TECHNICAL DESCRIPTION

PRODUCT	MATERIAL	THICKNESS	WEIGHT Kg/m^2	YIELD Unit/m^2
PANEL 150 FS	ZINCALUM	0.4	4.9	6.7
		0.5	6.1	
		0.6	7.4	
PANEL 220 FS		0.4	4.3	4.5
		0.5	5.3	
		0.6	6.4	
PANEL 300 FS		0.4	4.0	3.3
		0.5	5.0	
		0.6	6.0	
PANEL 300 FSA SIMPLE		0.4	5.3	3.3
		0.5	6.4	
		0.6	7.5	
PANEL 300 FSA COMPOUND		0.4	8.7	3.3
		0.5	10.6	
		0.6	12.5	

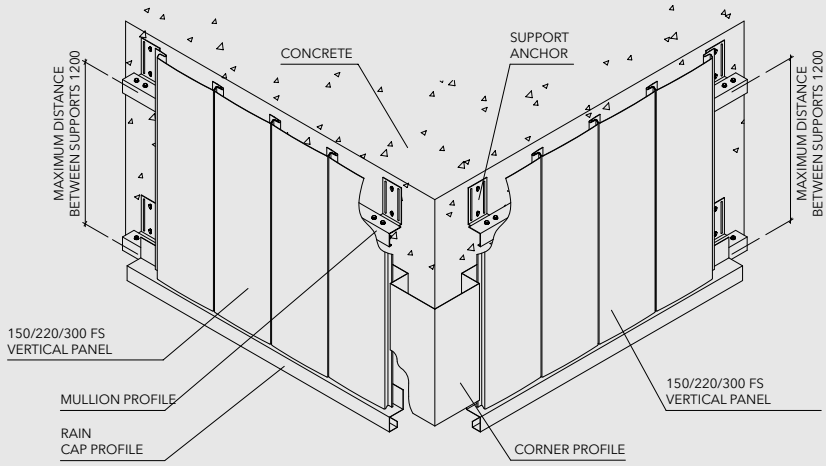
- Colors: Available in over 100 standard colors and custom colors upon request, wood grains and mineral grains
- Finish: Smooth
- Uses: Cladding
- Lengths: Custom based on the project requirements
- Yield: Based on panel width

ASSEMBLY

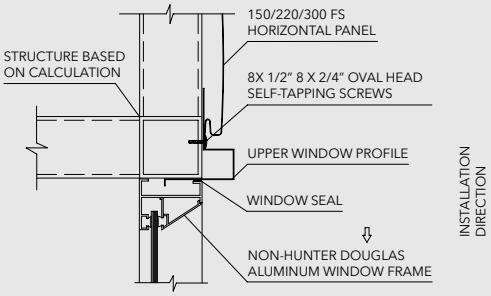
FS panel assembly is simple and quick thanks to its special tongue-and-groove splicing system. The panel is affixed on the female flange using a self-perforating screw depending on the type of structure to which it will be affixed. For horizontal FS panel installation in rainy areas, we recommend working with the technical department to consider sealing options in order to achieve lining water tightness.

INSTALLATION

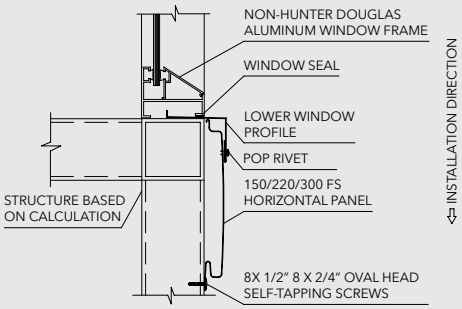
150/220/300 FS VERTICAL ISOMETRIC PANEL USING LEVELING STRUCTURE



TOP DETAIL WINDOW

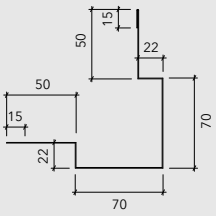


BOTTOM DETAIL WINDOW

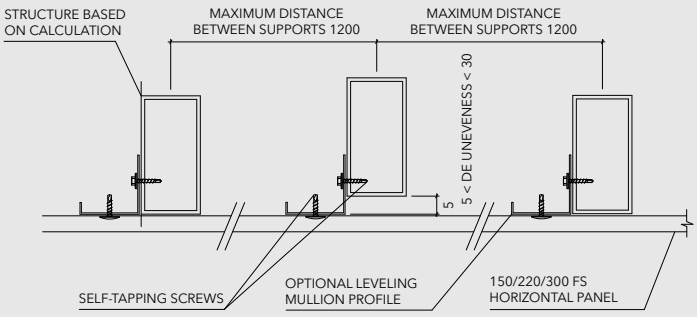


EXTERIOR CORNER DETAIL 150/220/300 FS HORIZONTAL PANEL

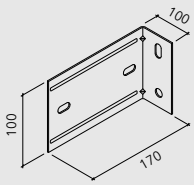
CORNER LINING



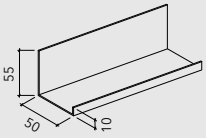
OPTIONAL LEVELING AUXILIARY STRUCTURE USE TYPICAL SITUATION FOR UNEVEN STRUCTURES



BRACKET

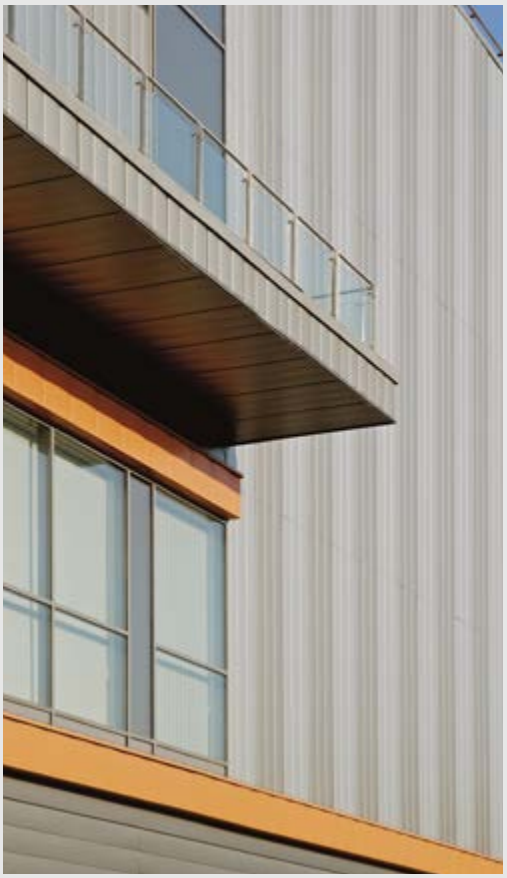


MULLION PROFILE

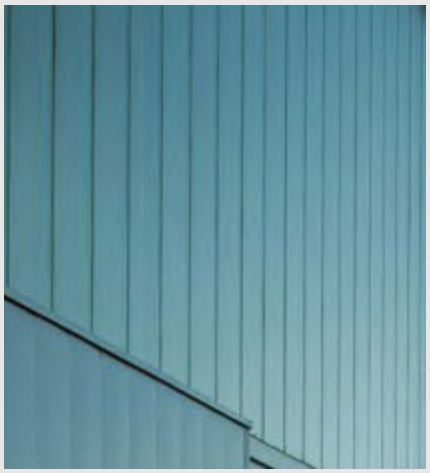


Note: For splicing and horizontal corner solutions, we recommend studying the case based on the project and weather conditions.

Note: The components of the product on this sheet are constantly subject to innovation and development, and may be subject to change. The measurements listed on this technical sheet are expressed in millimeters (mm). In order to ensure that the product functions properly, installation should always be completed by an authorized distributor using all of the accessories identified in accordance with Hunter Douglas technical specifications.

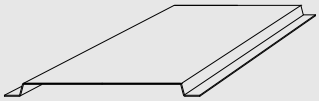


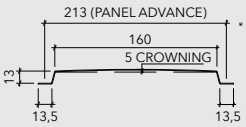
M CLADDINGS
Facades | Single Skin Panels



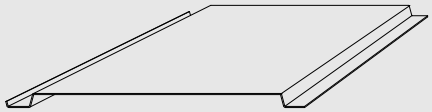
160 M and 230 M panels have a versatile design that can be used as a ceiling (especially awnings) and interior and exterior cladding. These panels have a profile lined by a central body and two support wings. The product is made in 160 and 230 mm wide options. The panels can be installed vertically, horizontally or diagonally.

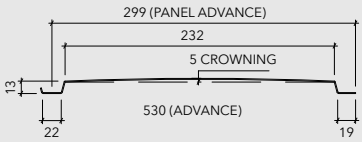
160 M CLADDING





230 M CLADDING





TECHNICAL DESCRIPTION

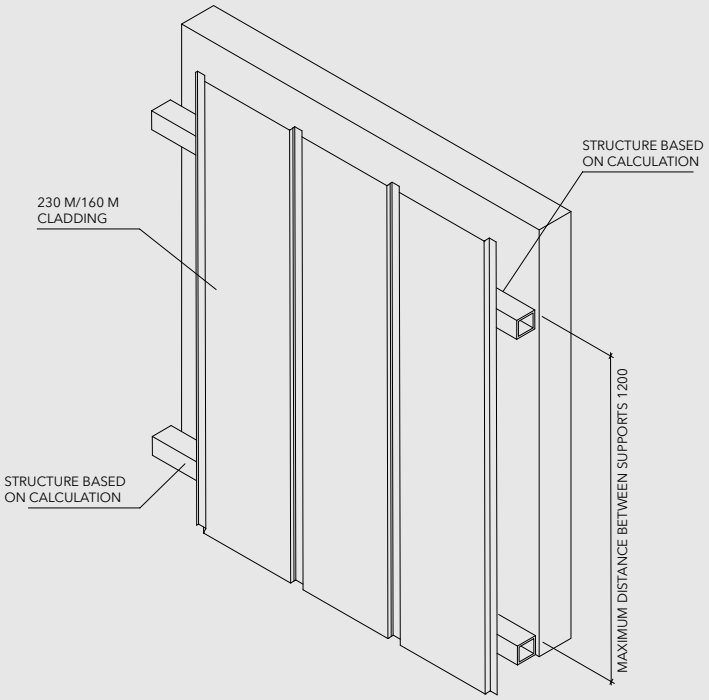
PRODUCT	MATERIAL	THICKNESS (mm)	WEIGHT (kg/m²)	YIELD (unit/m²)
160 M CLADDING	ZINCALUM	0.4	3.9	5.76
		0.5	4.8	
		0.6	5.9	
230 M CLADDING		0.4	3.7	3.94
		0.5	4.7	
		0.6	5.6	

- Colors: Available in over 100 standard colors and custom colors, Mineralgrains and Woodgrains
- Finish: Smooth
- Uses: Cladding and ceilings
- Lengths: Based on project requirements. We recommend that the length not surpass 6 meters
- Other available materials: Corten steel, aluminum, copper and zinc

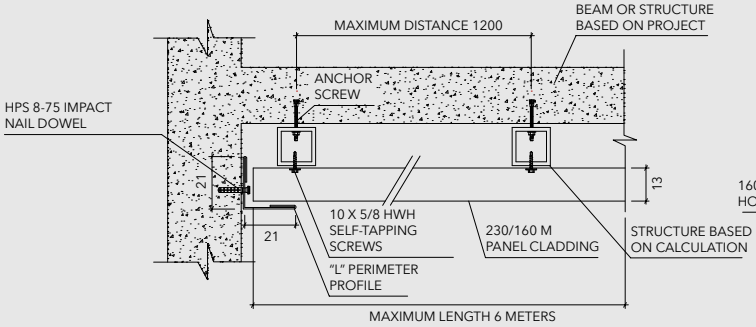
INSTALLATION

Assembly is simple, quick and inexpensive because each panel is layered over the next and affixed using a self-perforating screw. Conventional enameled flashings are custom made for each project. Hunter Douglas Mullion profiles should be used as an auxiliary structure to correct uneven main structure.

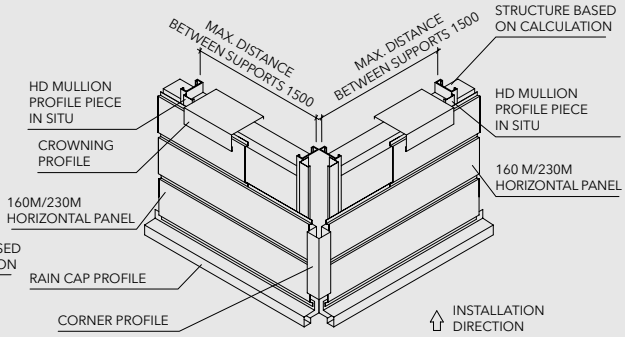
INSTALLATION



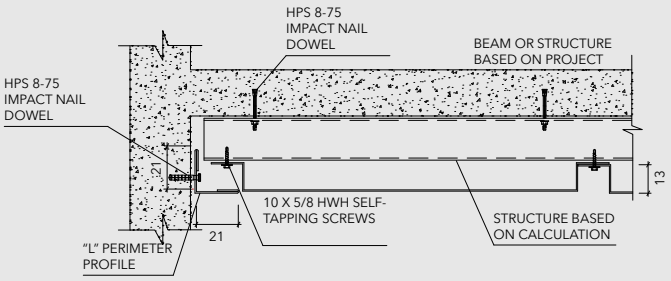
FINISH OPTIONS AGAINST WALL LONGITUDINAL SECTION



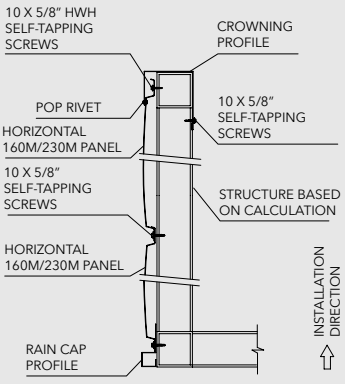
CORNER JOINT



OPTIONS AGAINST WALL TRANSVERSAL SECTION



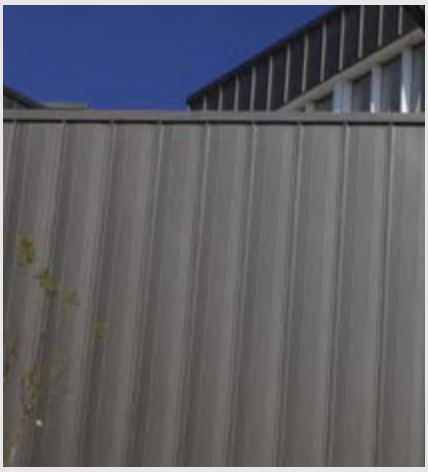
UPPER AND LOWER HORIZONTAL PANEL DETAIL



Note: The components of the product on this sheet are constantly subject to innovation and development, and may be subject to change. The measurements listed on this technical sheet are expressed in millimeters (mm). In order to ensure that the product functions properly, installation should always be completed by an authorized distributor using all of the accessories identified in accordance with Hunter Douglas technical specifications.

SL PANELS

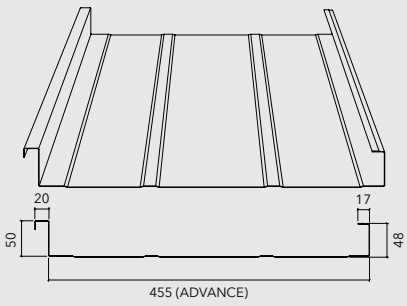
SL PANELS
Facades | Single Skin Panels



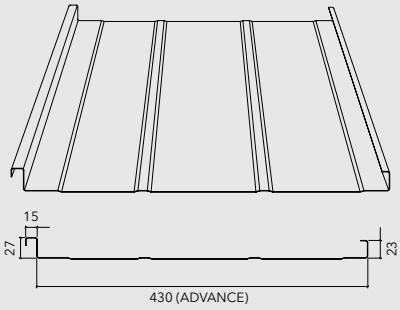
Hunter Douglas SL facade and roof panels have a simple appearance that is very similar to that of a veneer-and-lap seam, offering the option of using various panel widths (430, 455, 500 and 530 mm). The machine used to manufacture CD 455 SL, CD 500 SL and CD 530 SL panels can produce custom lengths. The maximum length of single piece panels manufactured at the plant is normally no more than 18 m because this is the longest length that can be transported.
The panels can be manufactured at the project and thus do not require transversal overlaps. This means that complete pieces can be installed from the gutter to the ridge. Using a special machine, the longitudinal joint of the panels can be connected at 90° (simple seam fill) or 180° (double seam), which allows for minimum slopes of 2%.

Manufactured on site.
-Allows for continuous length panels without overlaps
-Efficient solution for any metallic roof design
-Hermetic, safe lateral overlaps
-Hidden joints without perforations (eliminates leaks)
-Savings on materials and seals
-Greater yield of useful m²

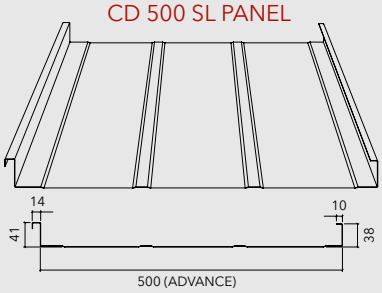
CD 455 SL PANEL



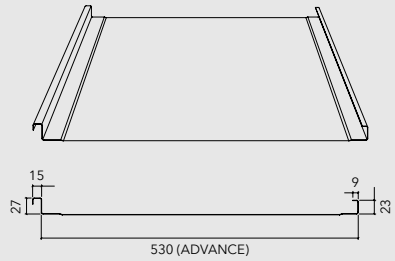
CD 430 SL PANEL



CD 500 SL PANEL



CD 530 SL PANEL



TECHNICAL DESCRIPTION

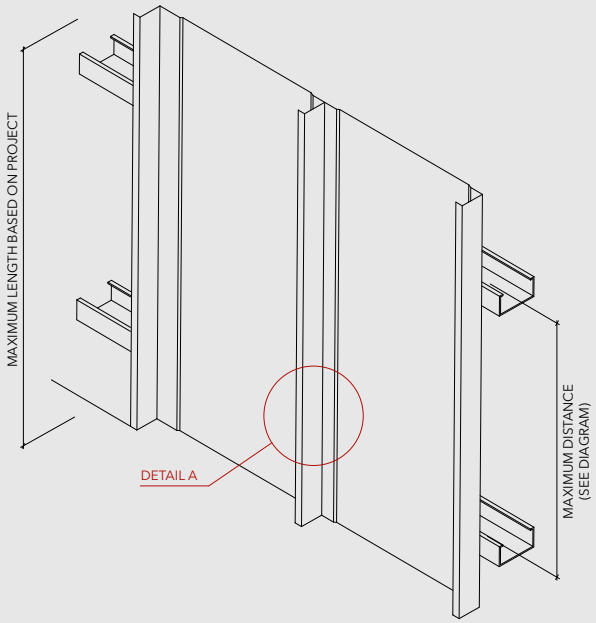
PRODUCT	MATERIAL	THICKNESS	WEIGHT Kg/m²	YIELD Un/m²
PANEL CD 430 SL	ZINCALUM	0. 5	4.6	2.33
		0.6	5.5	
PANEL CD 455 SL		0.5	5.3	2.20
		0.6	6.4	
PANEL CD500 SL		0.5	4.8	2.00
		0.6	5.8	
PANEL CD 530 SL		0.5	4.5	1.89
		0.6	5.5	

- Colors: Available in over 100 standard colors and custom colors, Woodgrains and Mineralgrains
- Finish: Smooth or perforated
- Uses: Roofs and cladding
- Lengths: We recommend that the length does not exceed 12 meters when pre manufactured

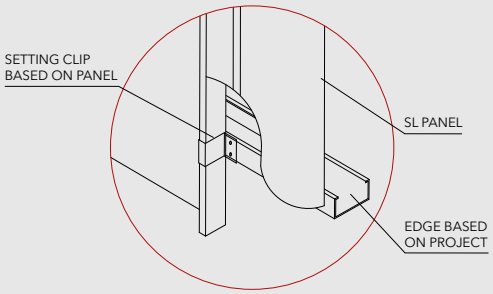
ASSEMBLY

The panels are installed using hidden clips that are affixed to the support structure using self-perforating screws.

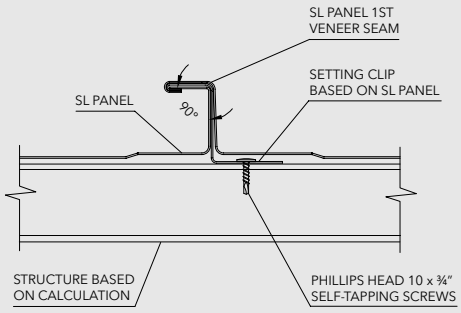
INSTALLATION

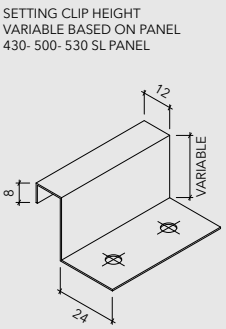


DETAIL A

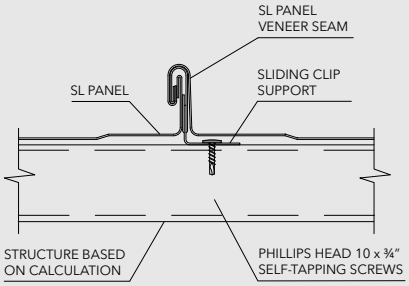


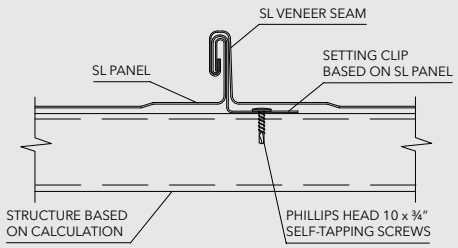
SETTING AND CRIMPING CLIP DETAILS
PANEL LENGTHS LESS THAN 15M

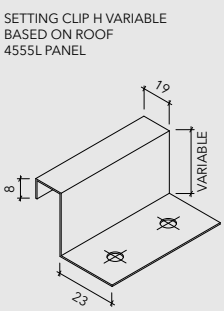


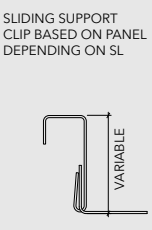


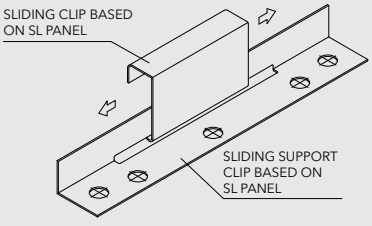
SLIDING SETTING CLIP DETAILS
PANEL LENGTHS GREATER THAN 15 M





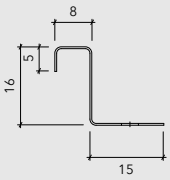


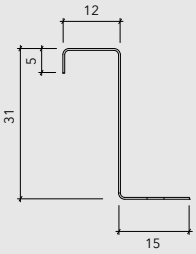


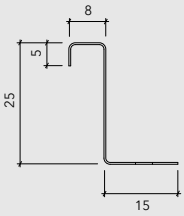


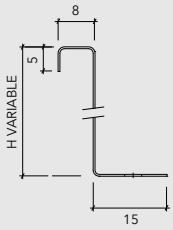
SL PANELS
Facades | Single skin panels

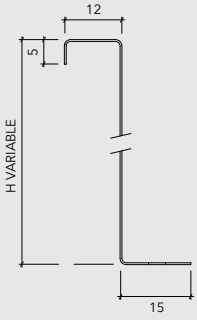
COMPONENTS



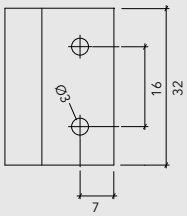




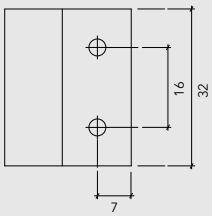




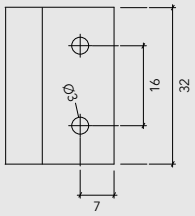
SETTING CLIP: 430- 530 SL PANEL
MATERIAL: ZINCALUM



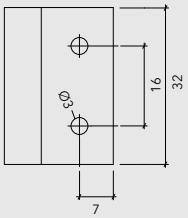
SETTING CLIP: 455 SL PANEL
MATERIAL: ZINCALUM



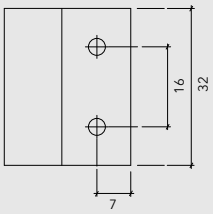
SETTING CLIP: 500 SL PANEL
MATERIAL: ZINCALUM



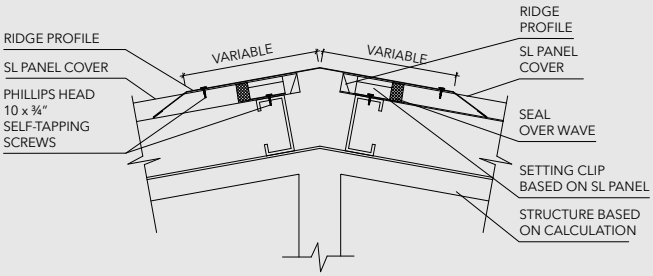
VARIABLE H SETTING CLIP
PANEL 430-500-530 SL
MATERIAL: ZINCALUM



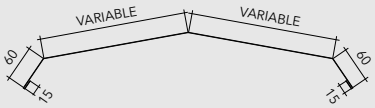
VARIABLE H SETTING CLIP
PANEL 455 SL
MATERIAL: ZINCALUM



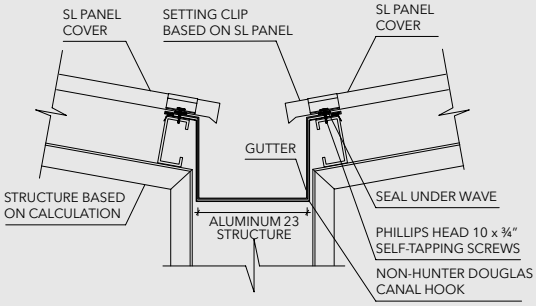
ROOF RIDGE
CD 430 - 455 -500 - 530 SL



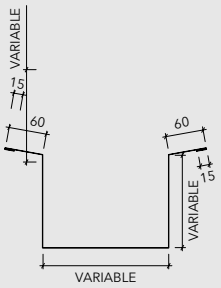
RIDGE PROFILE
CD 430 - 455 -500 - 530 SL



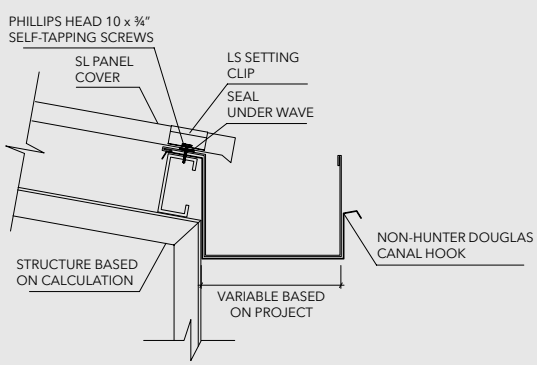
GUTTER CANAL MEETING (TYPE)
CD 430 - 455 -500 - 530 SL



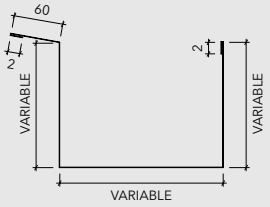
GUTTER CANAL DETAIL (TYPE)
CD 430 - 455 -500 - 530 SL



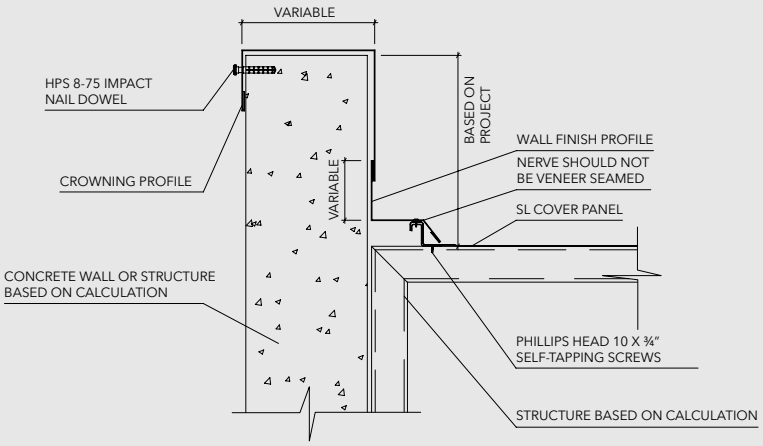
GUTTER CANAL MEETING (TYPE)
CD 430 - 455 -500 - 530 SL



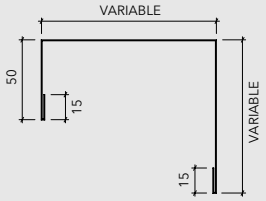
GUTTER CANAL DETAIL (TYPE)
CD 430 - 455 -500 - 530 SL



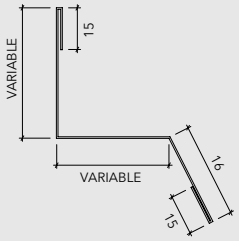
FINISH TO WALL DETAIL
CD 430 - 455 -500 - 530 SL



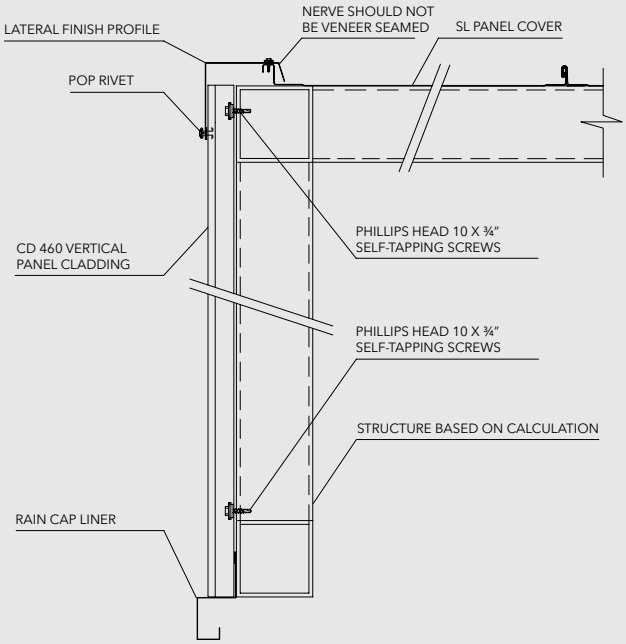
CROWNING PROFILE
VARIABLE DEVELOPMENT



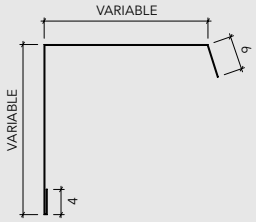
FINISH TO WALL PROFILE
VARIABLE DEVELOPMENT



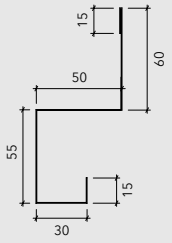
FINISH TO WALL DETAIL
CD 430 - 455 -500 - 530 SL



RAIN CAP PROFILE
VARIABLE DEVELOPMENT

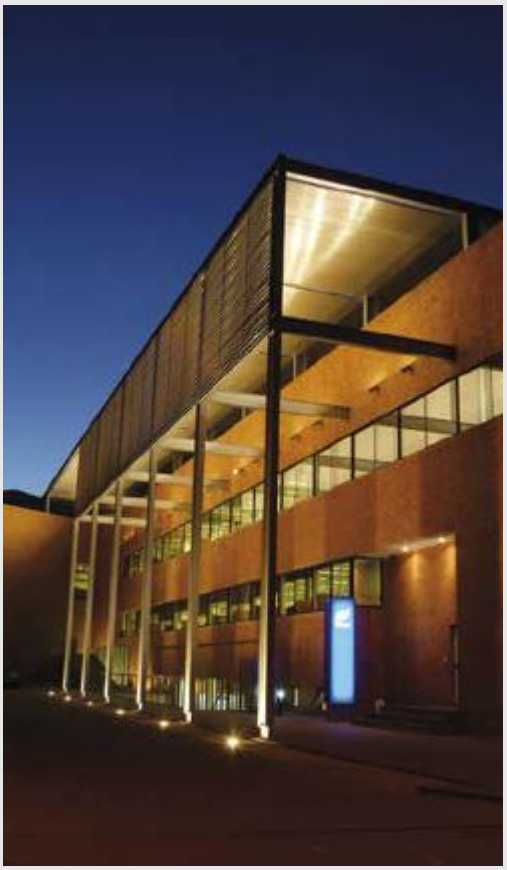


CROWNING PROFILE
VARIABLE DEVELOPMENT



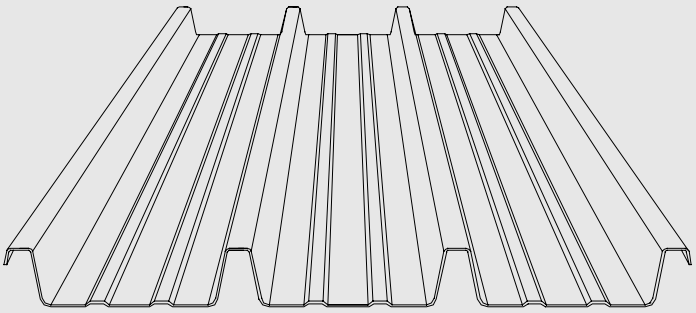
Note: The components of the product on this sheet are constantly subject to innovation and development, and may be subject to change. The measurements listed on this technical sheet are expressed in millimeters (mm). In order to ensure that the product functions properly, installation should always be completed by an authorized distributor using all of the accessories identified in accordance with Hunter Douglas technical specifications.

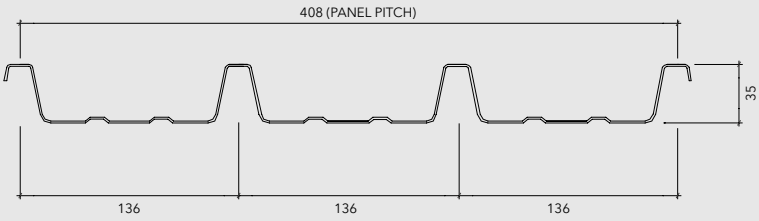
CD 408 PANEL



CD 408 PANEL
Facades | Single Skin Panels

The CD 408 panel can be installed as cladding vertically, horizontally or diagonally with nerve towards the exterior or interior. When installing it horizontally, we recommend using finish profiles at the corners, wall seams or other finishes and reticulated polyethylene or similar seals. The panel is installed with the mounting nerve overlapped. It is affixed to the structure as a cover using an omega clip that ensures that the system is completely hermetic and water tight.





TECHNICAL DESCRIPTION

PANEL	MATERIAL	THICKNESS (mm)	WEIGHT (kg/m²)	YIELD (panels / m)	MAXIMUM LENGTH
CD 408	ZINCALUM	0.4	4.7	2.45	8
		0.5	5.8		12
		0.6	7.0		12

- Colors: Available in over 100 standard colors and custom colors, Woodgrains and Mineralgrains
- Finish: Perforated or flat
- Uses: Roof and cladding
- Other available materials: Corten steel, aluminum, copper and zinc

INSTALLATION

CLADDING

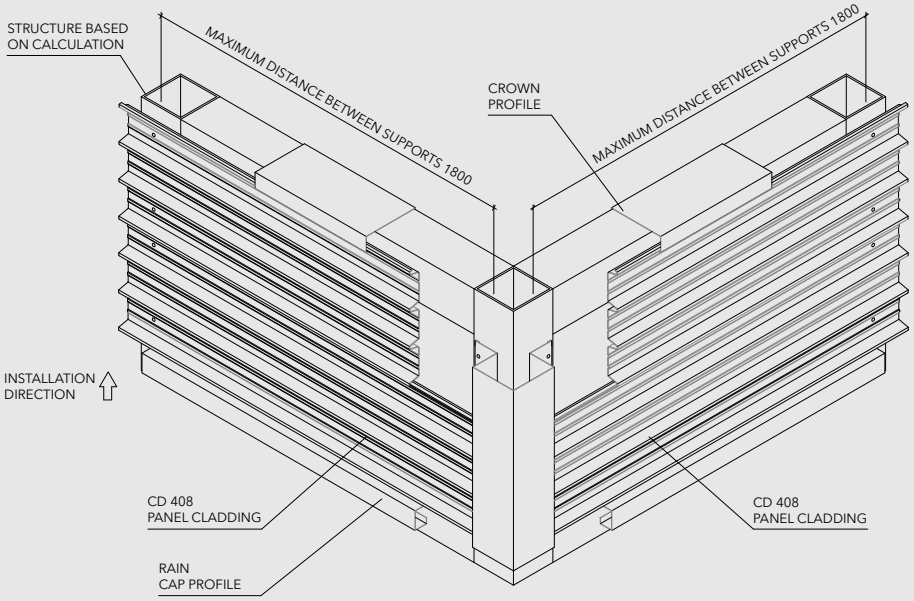
The panel is affixed directly to the structure using a 12- 14 x 3/4" HWH SD or 12-14 1" HWH SD self-perforating screw.
In order to correct misalignments or unevenness in the main structure, we recommend using Mullion profiles as an auxiliary structure.

ROOF

The CD 408 panel is installed with an omega clip affixed to the edges with 10 x 5/8" HWH self-perforating screws when the structure is metallic and 6 x 1" self-perforating screws when the structure is made of wood.

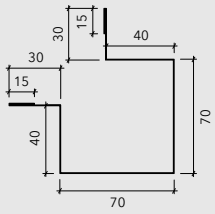
INSTALLATION

INSTALLATION OF CD 408 HORIZONTAL PANEL



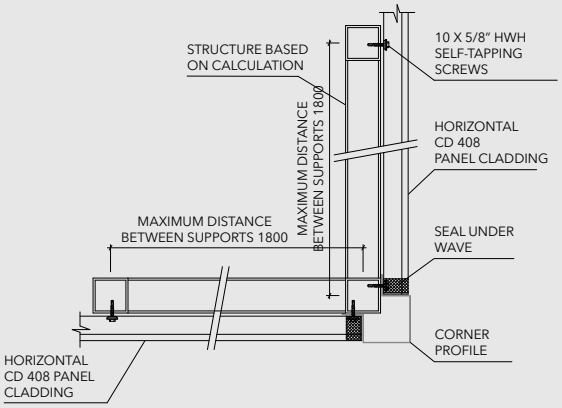
EDGE DISTANCE	
THICKNESS	MAXIMUM DISTANCE
0.4 mm	NOT RECOMMENDED
0.5 mm / 0.6 mm	1800

CORNER PROFILE

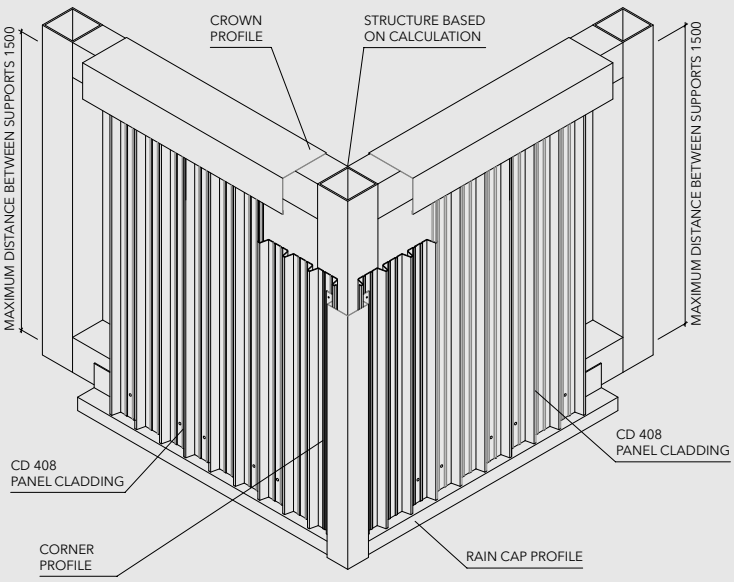


DEVELOPMENT: 310

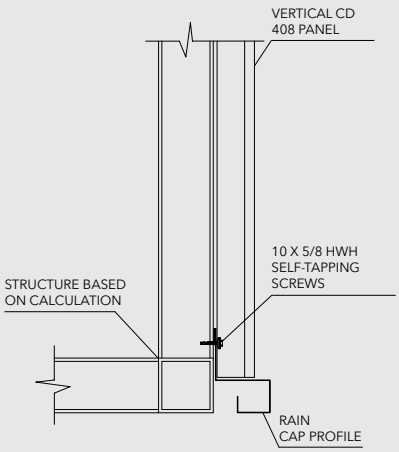
CD408 HORIZONTAL EXTERIOR PANEL CORNER DETAIL



INSTALLATION OF VERTICAL CD 408 PANEL

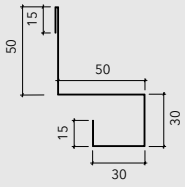


LOWER DETAIL VERTICAL PANEL 408



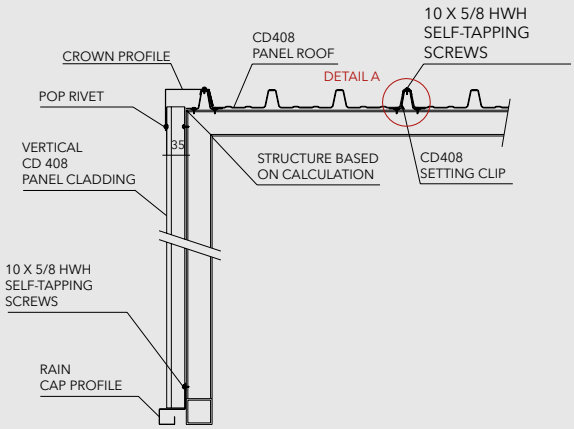
RAIN CAP FLASHING

DEVELOPMENT: 190

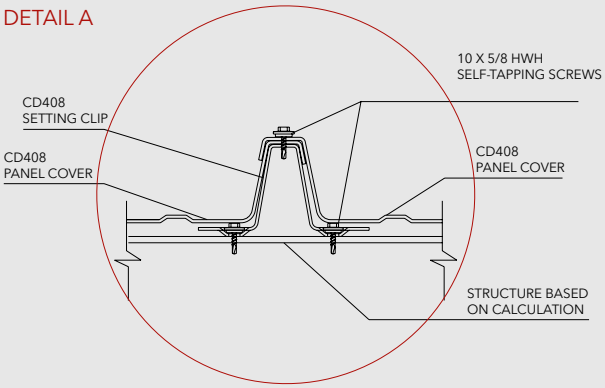


PANEL CD 408
Facades | Single Skin Panels

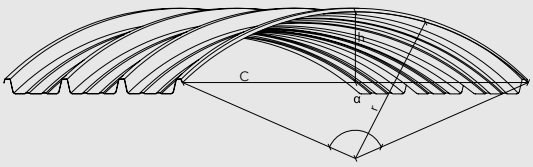
ROOF / CLADDING JOINT

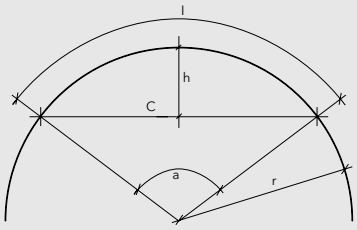


DETAIL A



CALCULATION FORMULA





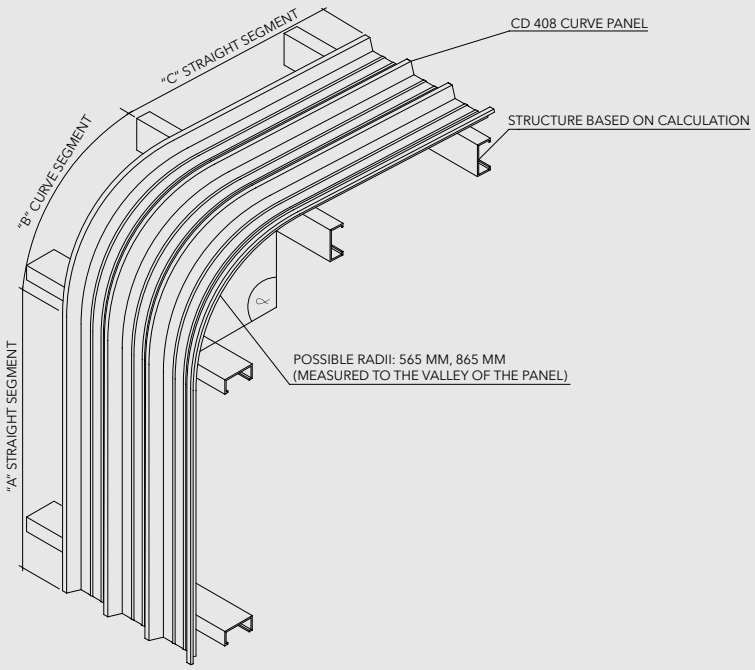
$r = \frac{C^2 + 4h^2}{8h}$ $l = 0.01745\, r$ α $\alpha = \frac{57.2961\, l}{r}$

VARIABLE RADII

Possible curves:	Curves and countercurves
Thicknesses:	0.5 and 0.6 mm
Minimum curve radii:	2500 mm in 0.6 mm thickness 5500 mm in 0.5 mm thickness
Minimum countercurve radii:	8000 mm in 0.6 mm thickness 10000 mm in 0.5 mm thickness (all radii measured at the panel valley)
Curvature angles:	1° < to < 180°
Maximum recommended length:	7000 mm (for transportation and handling)

INSTALLATION

FIXED RADIUS CURVED CD 408 PANEL



CURVATURE ANGLES:
FOR RADIUS 565 mm 0Â ≤ ∢ ≤ 104Â
FOR RADIUS 865 mm 0Â ≤ ∢ ≤ 90Â

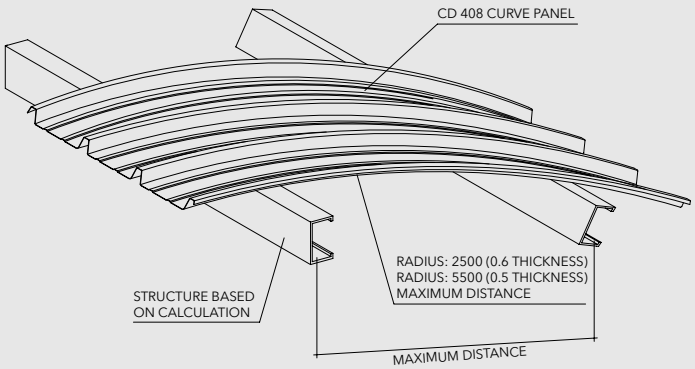
STRAIGHT DISTANCE
A AND C ≥ 250

CURVE PANEL MINIMUM DEVELOPMENT
(A + B + C) ≥ 2400

VARIABLE RADIUS CURVED CD 408 PANEL

POSSIBLE CURVING

Curves and counter curves:	
Thicknesses:	0.5 y 0.6 mm
Minimum radii:	2500 mm in 0.6 mm thickness
	5500 mm in 0.5 mm thickness
	(all radii measured to the panel valley)
Curvature angles:	1o ≤ ∢ ≤ 180A



IMPORTANT
- Curved and straight sections cannot be specified within the same panel
- Curved and countercurved sections cannot be specified within the same panel
- Curved sections with 2 or more radii within a single curve cannot be specified within the same panel

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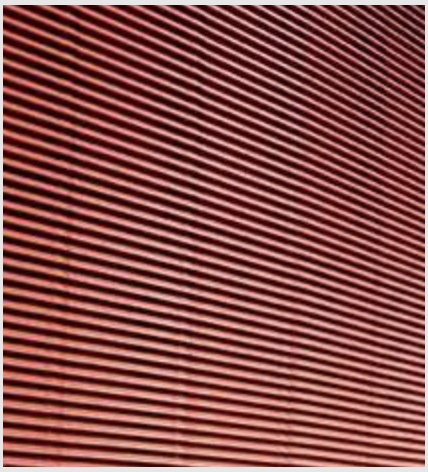
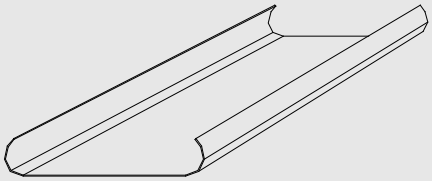
84R CLADDING

84R CLADDING
Facades | Single Skin Panels



The 84R panel is a metallic cladding for interior or exterior walls. It is composed of metallic slender rounded panels that can be supplied in any length up to 6000mm (as standard). Each panel is 84 mm wide and has rounded borders. The 84R panel can easily be incorporated into the curtain-wall system and form a continuous surface that can be with closed or open joints depending on the panel carrier used. It is light weight and easy to install, which makes 84R cladding an ideal material for covering large surfaces and for retrofitting applications.



TECHNICAL DESCRIPTION

PRODUCTO	MATERIAL	THICKNESS	WEIGHT Kg/m²	YIELD Panels/m²
STRAIGHT 84 PANEL	ZINCALUM	0.4	0.36	BASED ON PANEL CARRIER TYPE
		0.5	0.44	
		0.6	0.53	
CURVED 84 PANEL		0.5	0.44	BASED ON PANEL CARRIER TYPE
		0.6	0.53	

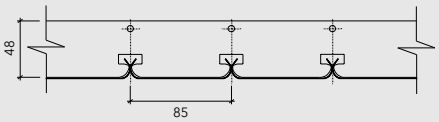
- Colors: Available in over 100 standard colors and custom colors
- Finish: Perforated or flat
- Uses: Cladding
- Lengths: Based on project requirements. We recommend that the length does not exceed 6 meters
- Other available materials: Corten steel, aluminum, copper and zinc

INSTALLATION

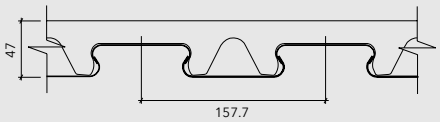
84 R panels are firmly pressed onto one of the 4 types of panel carriers designed for this system (V0; V3; V5; V6). Each has different yield and visual appearance.

PANEL CARRIERS

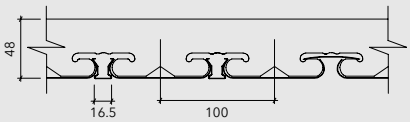
V0 PANEL CARRIER



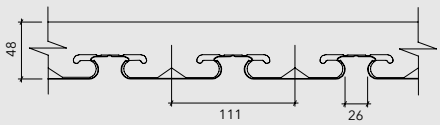
V3 PANEL CARRIER



V5 PANEL CARRIER

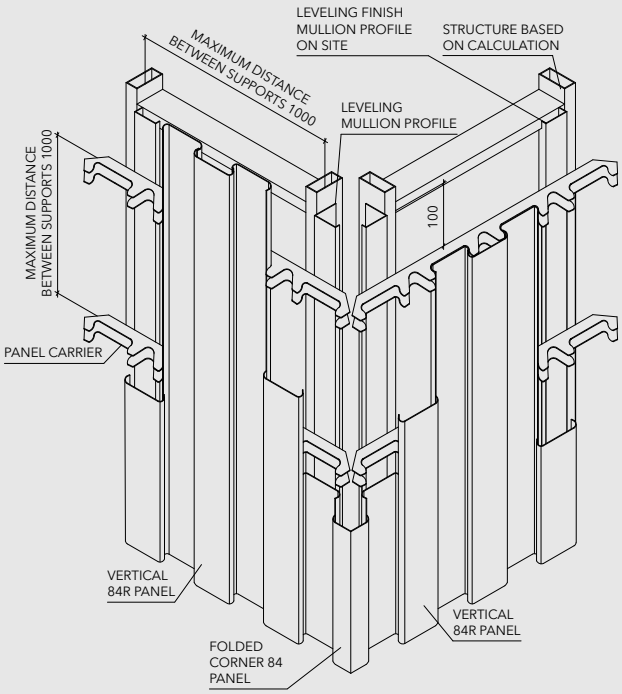


V6 PANEL CARRIER

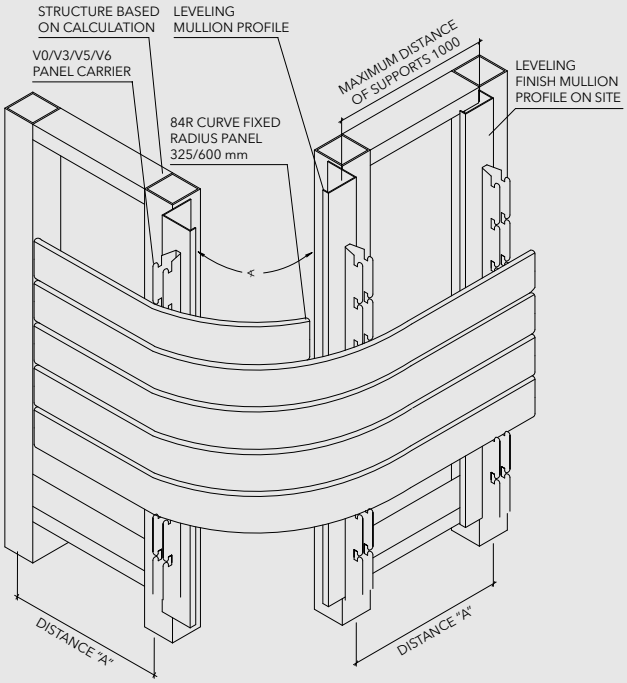


INSTALLATION

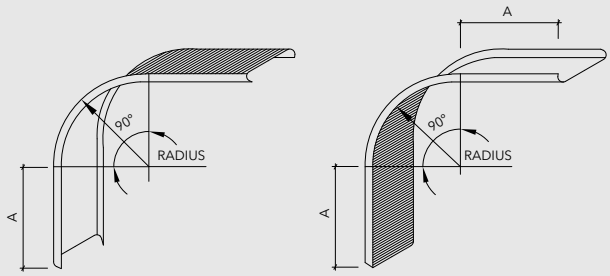
STRAIGHT 84R



CURVED 84R

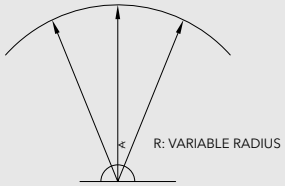


FIXED RADII OF CURVE / COUNTERCURVED PANEL

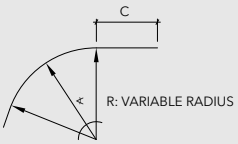


VARIABLE RADII OF CURVED PANEL

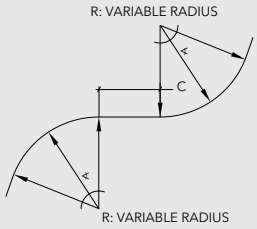
SIMPLE



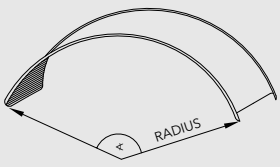
STRAIGHT SEGMENT AND CURVED SEGMENT



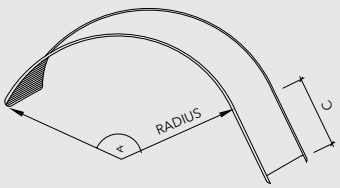
COMPOUND



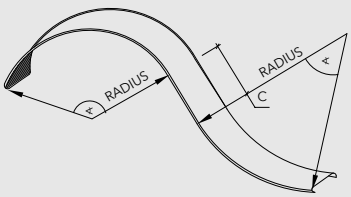
SIMPLE



STRAIGHT CURVE

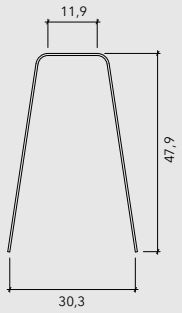


COMPOUND

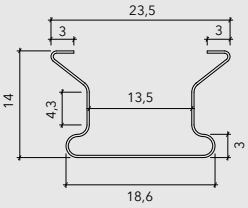


84R CLADDING
Facades | Single Skin Panels

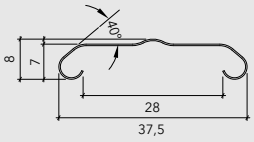
PANEL CARRIER



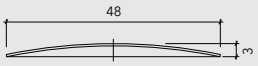
FLAT JOINT



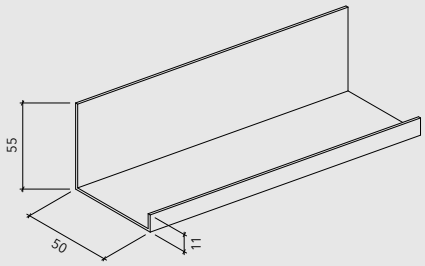
INTERMEDIATE PROFILE



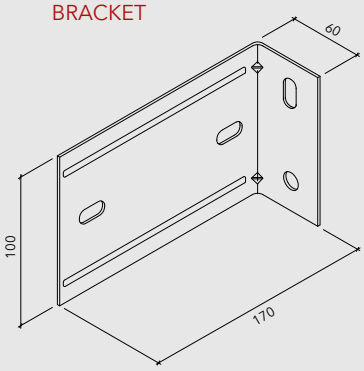
INTERMEDIATE WEATHER STRIP



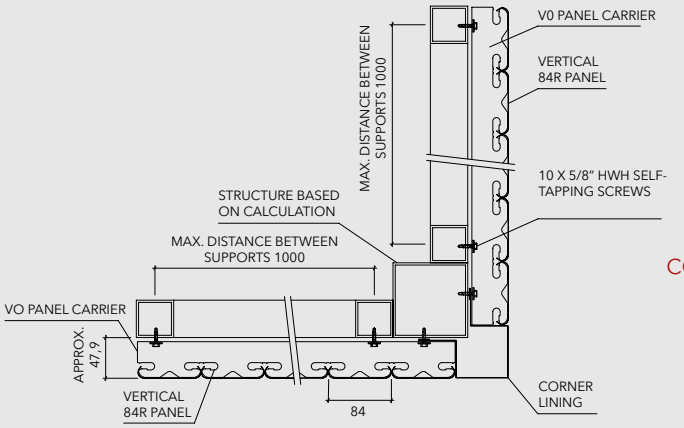
MULLION PROFILE



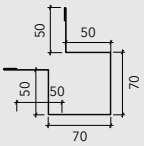
BRACKET



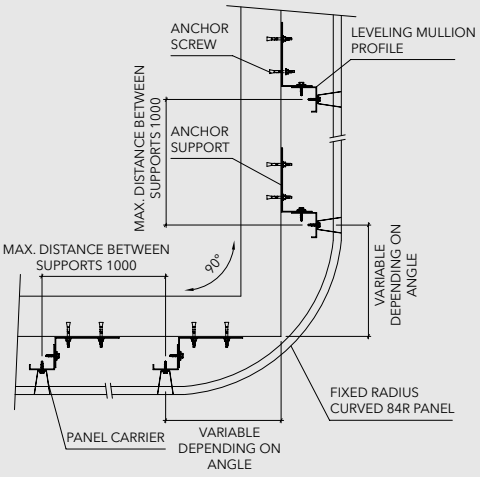
STRAIGHT 84R PANEL



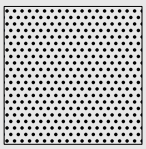
CORNER LINING



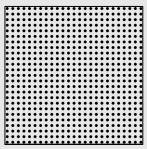
CURVED 84R PANEL



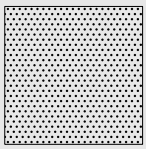
STANDARD PERFORATIONS



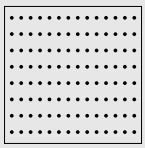
103
Ø 2,95 ± 0,05 mm
20% open
3,35 mm
2,5 mm



106
Ø 2,5 ±0,05 mm
16% open
3 mm
3 mm



118
Ø 2 mm
15% open
3 mm
2,3 mm



118 M2
Ø 2 mm
7,3% open
3 mm
6,6 mm

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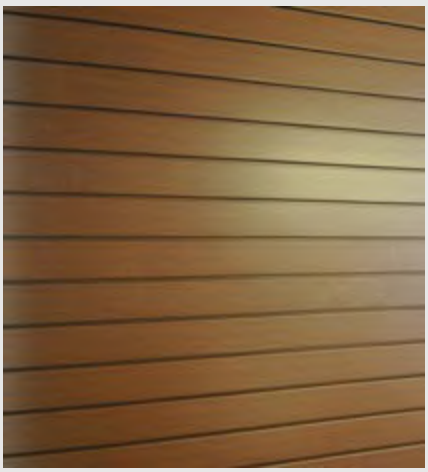
TIMBERLINE CLADDING

TIMBERLINE CLADDING

Facades | Single Skin Panels

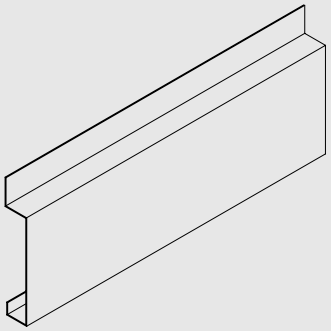


The Timberline cladding is unique in that it offers a smooth cladding with small open joints between the panels that are similar to wood roofing. It can thus be used for various purposes, including residential applications. Its even, flat appearance is particularly useful when required, and it is also lightweight and acoustic with a perforated panel option with acoustic fabric.

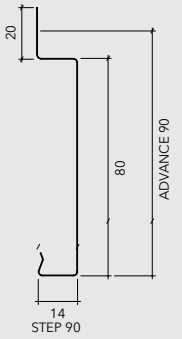
TECHNICAL DESCRIPTION

MATERIAL	THICKNESS (mm)	WEIGHT (kg/m²)	WEIGHT (kg/m²)	YIELD (panels / m²)
ZINCALUM	0.5	90	5.77	11.1

- Material: Zincalum
- Thickness: 0.5 mm
- Colors: Available in over 100 standard colors and custom colors
- Finish: Flat or perforated, Woodgrains, Mineralgrains and Woodlines
- Uses: Cladding
- Lengths: We recommend that the length does not exceed 6 meters
- Other available materials: Aluminum, copper and zinc

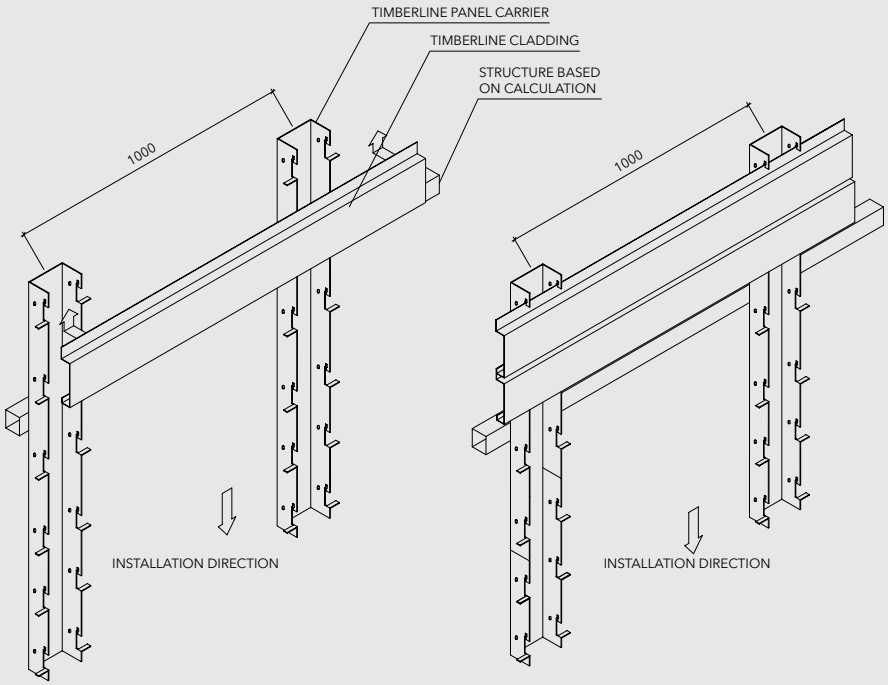


PANEL SECTION

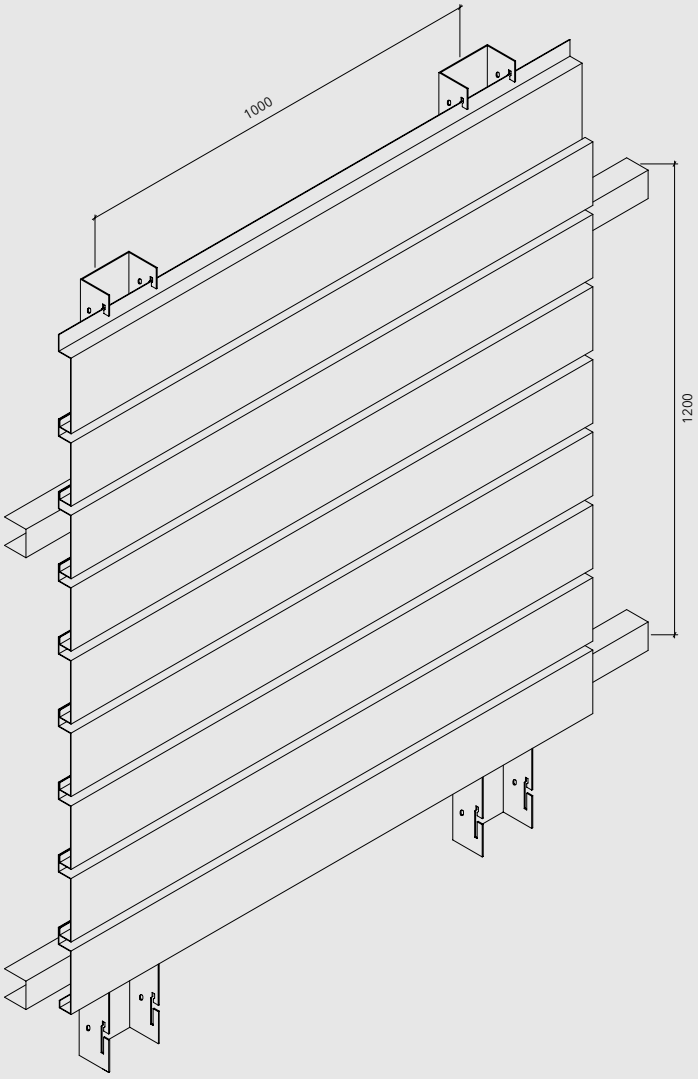


INSTALLATION

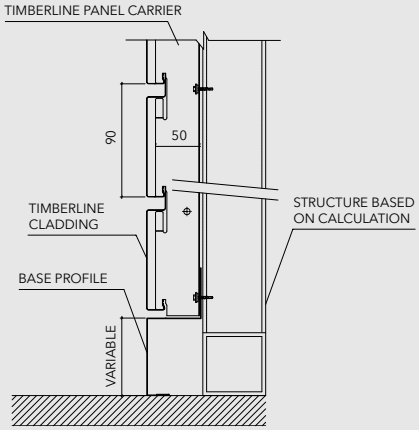
The panels are affixed to the panel carrier rail using pressure and do not require other fastening elements. They are easy to install.



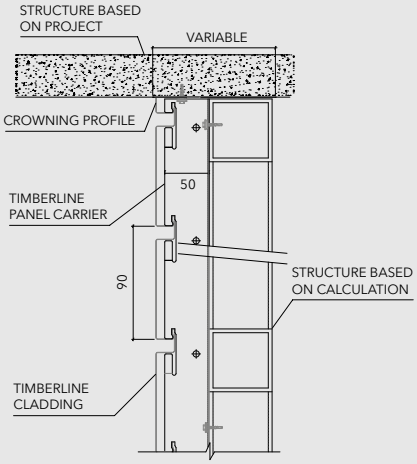
INSTALLATION



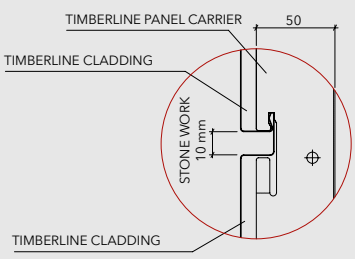
LOWER BASE FINISH



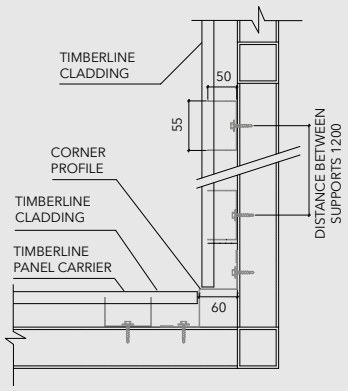
UPPER FINISH



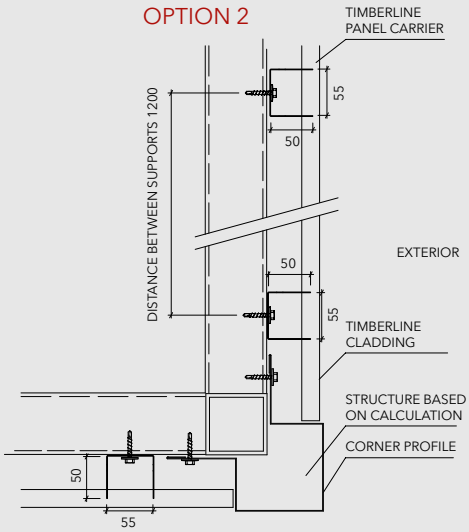
STONE WORK DETAIL



EXTERIOR CORNER JOINT OPTION 1

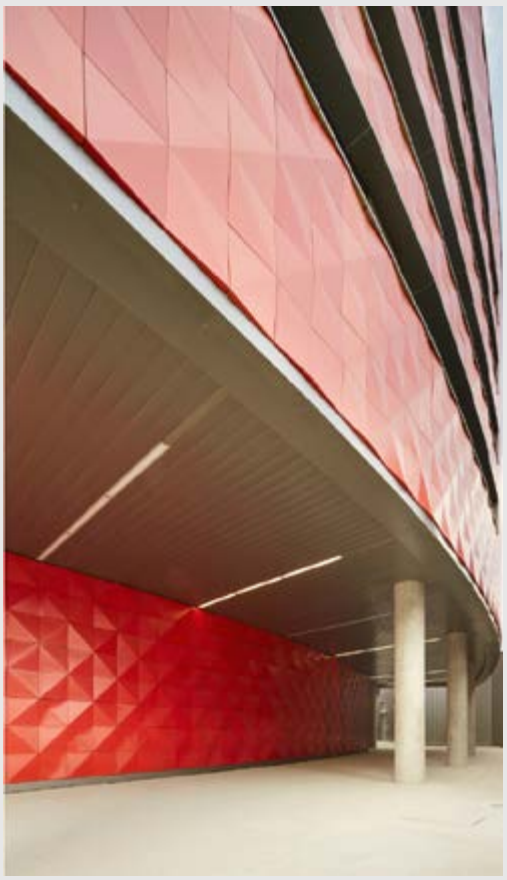


OPTION 2



Note: The components of the product on this sheet are constantly subject to innovation and development, and may be subject to change. The measurements listed on this technical sheet are expressed in millimeters (mm). In order to ensure that the product functions properly, installation should always be completed by an authorized distributor using all of the accessories identified in accordance with Hunter Douglas technical specifications.

PYRAMID CLADDING

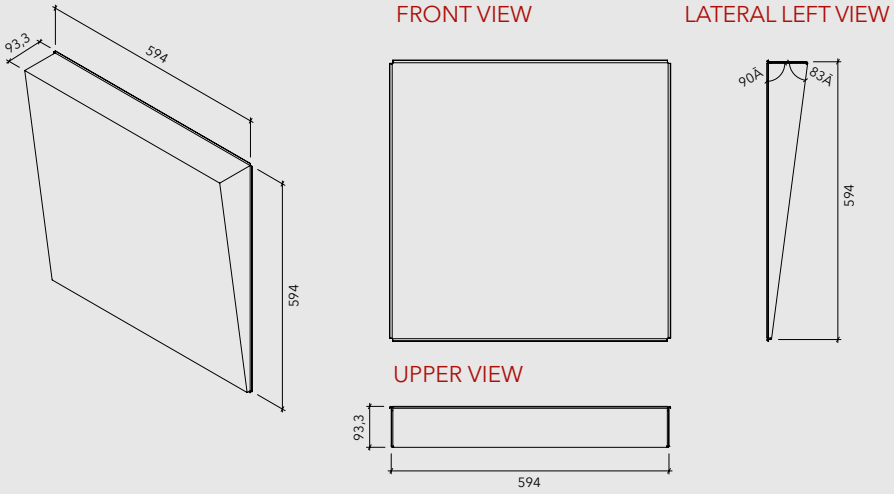


PYRAMID CLADDING

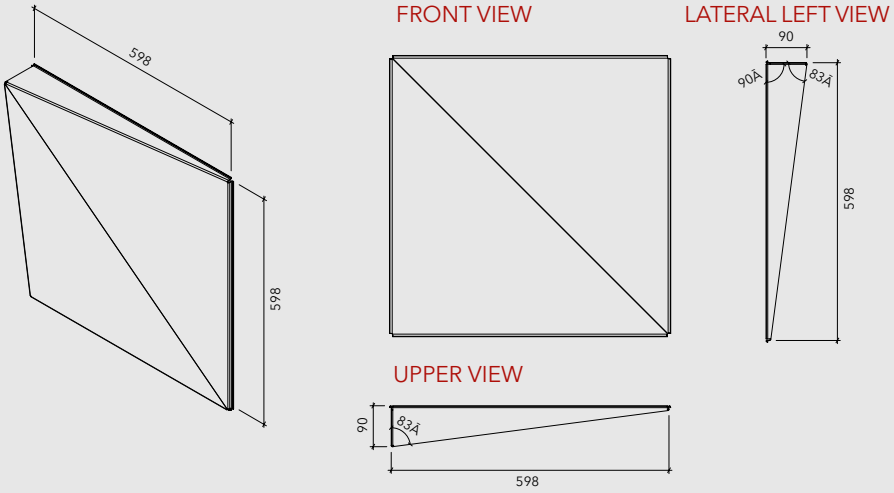
Facades | Single Skin Panels

Pyramid cladding is a 400 x 400 mm three dimensional panel. The product can enliven facades and provide a unique style based on its three dimensional qualities. Each tray is independent and can be rotated in any direction and installed on a facade without a specific pattern. Different colors can be combined to achieve an attractive visual effect.

WEDGE-TYPE PYRAMID CLADDING



PYRAMID CLADDING



TECHNICAL DESCRIPTION

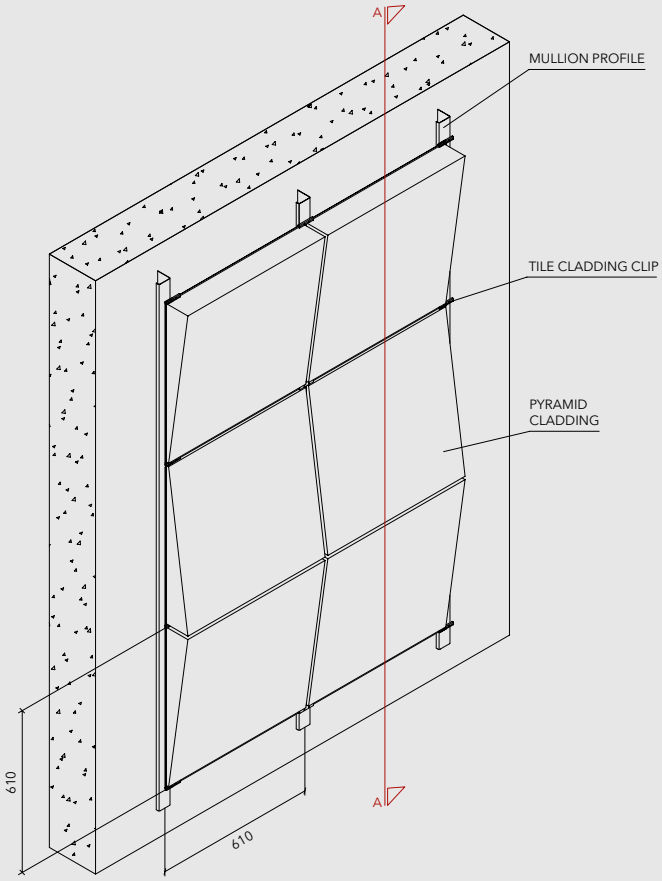
PRODUCT	MATERIAL	THICKNESS (mm)	WEIGHT kg/m²	YIELD panels/m²
REV. PIRAMID 400	ZINCALUM	0.65	5.06	6.25

- Colors: Available in over 100 standard colors and custom colors, Woodgrains and Mineralgrains
- Finish: Flat
- Use: Cladding
- Other materials: Corten steel, aluminum, copper and zinc

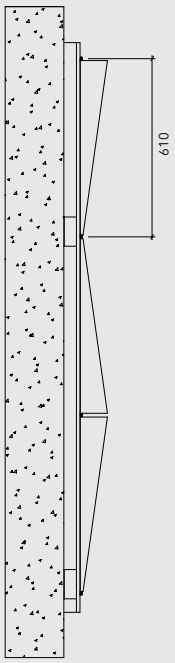
INSTALLATION

It is simple to install and uninstall Pyramid modules. Each module has an anchor system that can be used to install them with or without gaps. They also can be installed in any direction, obtaining different designs. Given how simple it is to install, it is possible to have an easy register. Each panel can be installed or removed independently.

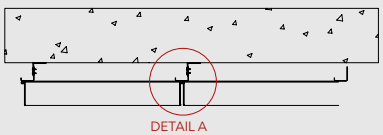
INSTALLATION



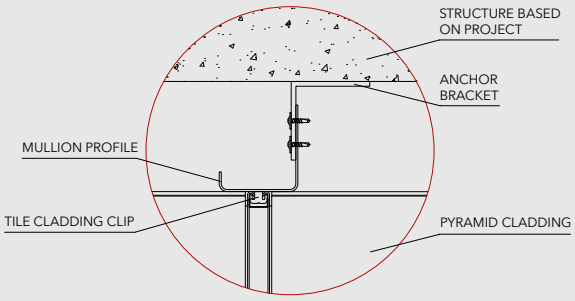
SECTION A



UPPER VIEW



DETAIL A



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SIDEWALL

SIDEWALL
Facades | Single Skin Panels

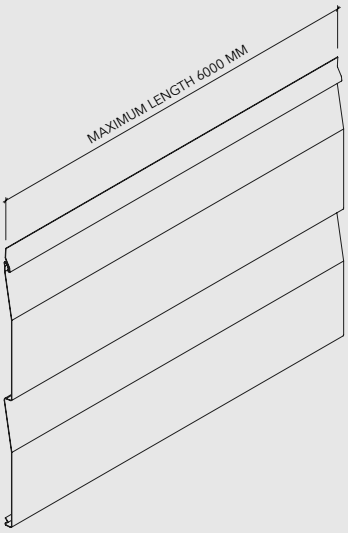
The SideWall panel is an exterior and/or interior cladding that can be used to build structures for diverse uses or to remodel old structures, giving them an attractive appearance similar to wood. It also provides a system with excellent structural rigidity.

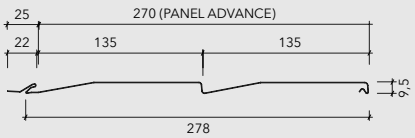
TECHNICAL DESCRIPTION

PRODUCT	MATERIAL	THICKNESS ZINCALUM (mm)	WEIGHT (kg/m²)
SIDEWALL	ZINCALUM	0.4	3.94
		0.5	4.93

- Material: Zincalum
- Thickness: 0.4 mm -0.5 mm
- Colors: Available in over 100 standard colors and custom colors
- Finish: Sanded or flat
- Uses: Cladding
- Lengths: We recommend that lengths not surpass 7 linear meters
- Yield: 3.7 linear meters per square meter
- Seals: We recommend reticulated polyethylene and Compriband seals

SIDEWALL PANEL

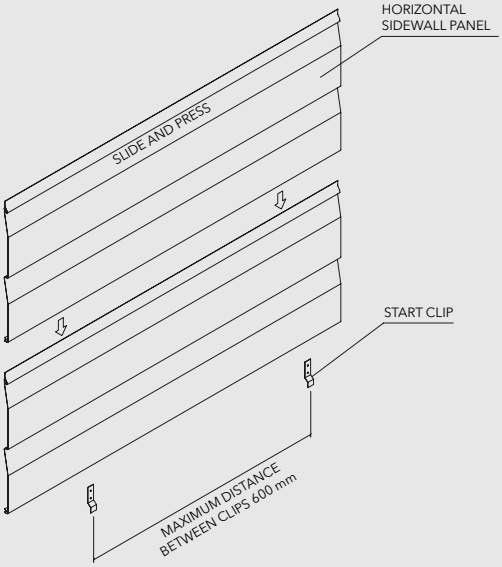


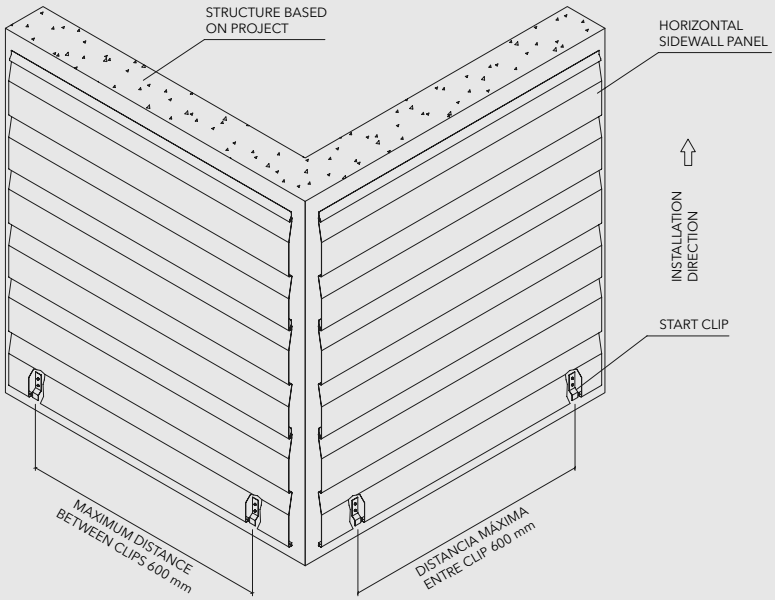


INSTALLATION

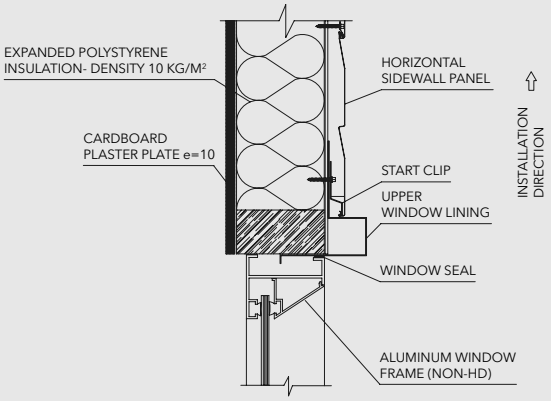
INSTALLATION BETWEEN PANELS

Place the next panel and gently press on it to hook it into the panel that has already been installed. Lift it to veneer it in, secure it and repeat.

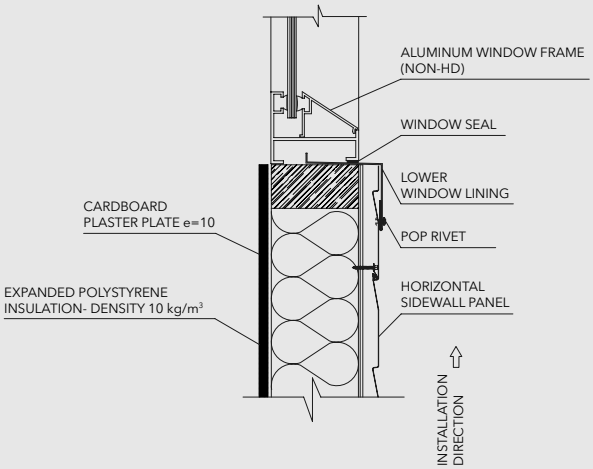




TOP WINDOW DETAIL



BOTTOM WINDOW DETAIL



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WOODGRAIN FINISHES


Chinese Cypress SideWall


Medium Oxidized Larch SideWall


Chestnut SideWall


Aged Poplar SideWall 6929


Dark Oxidized Poplar SideWall


American Cedar SideWall

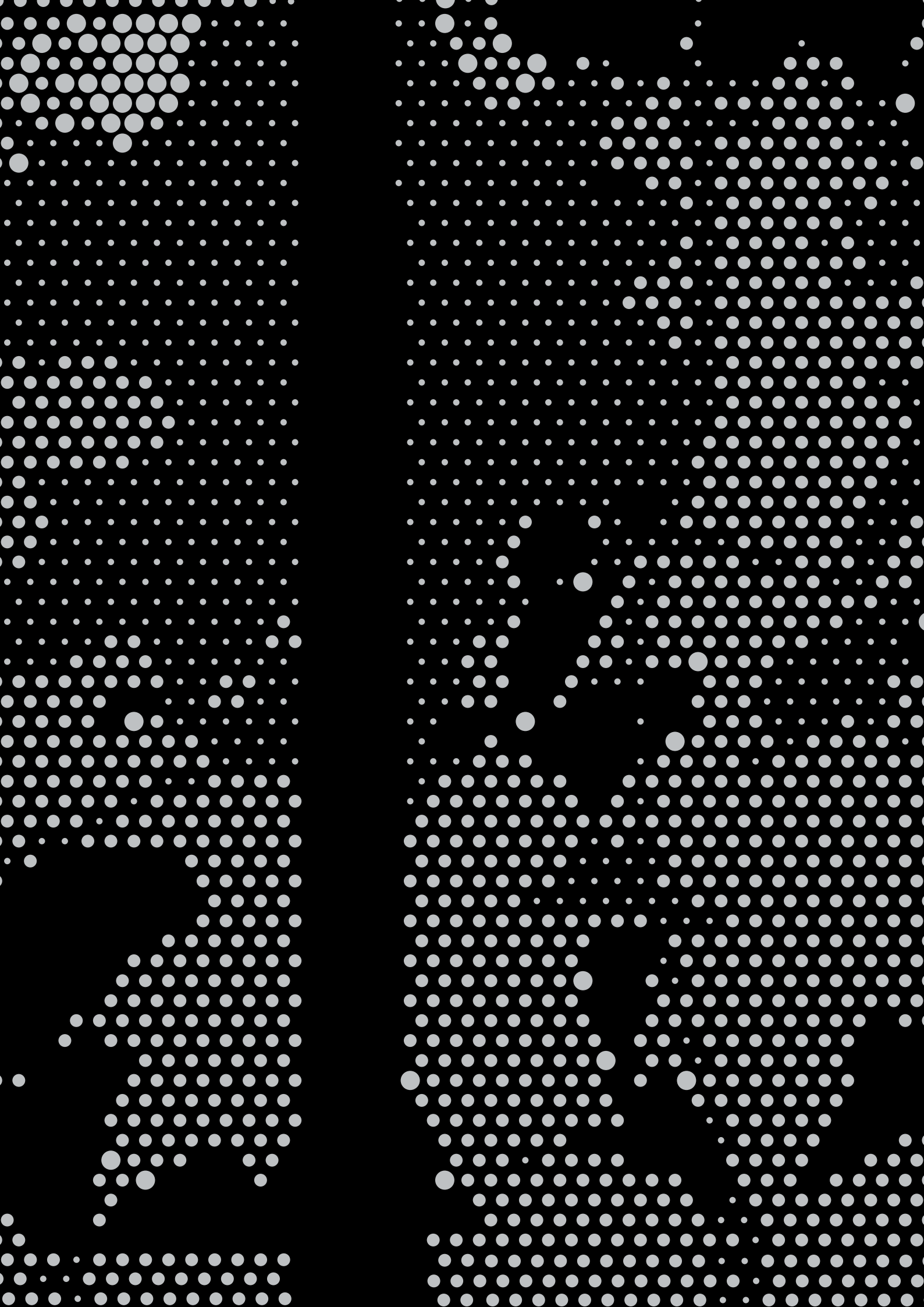

Beech SideWall


Dark Walnut SideWall

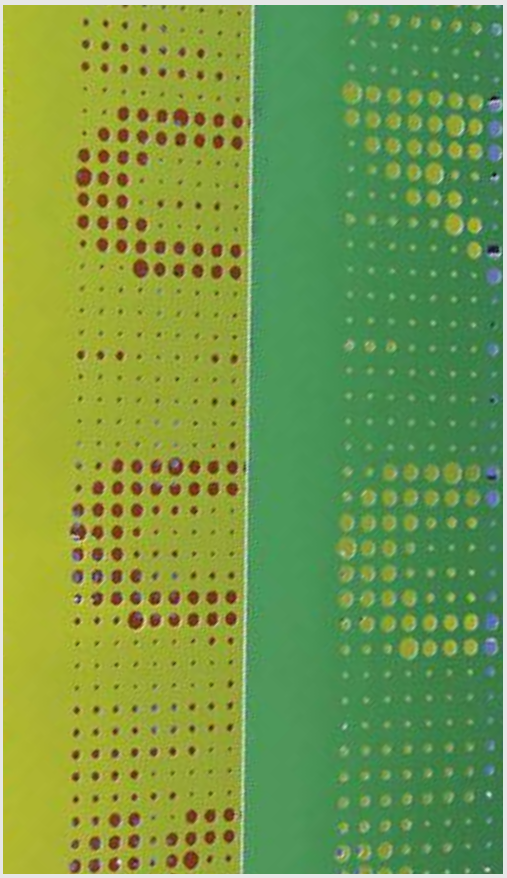

Oak SideWall

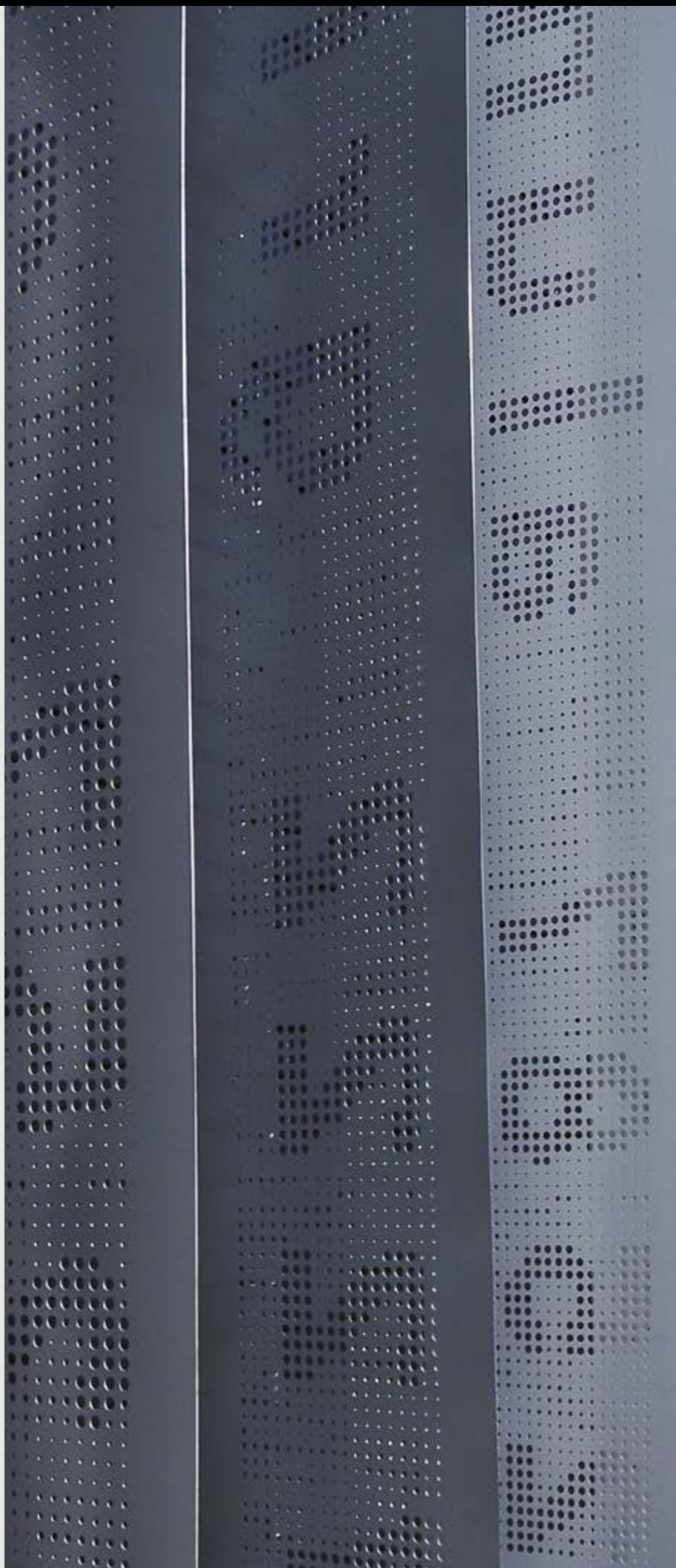

Black Ebony SideWall


Eucalyptus 253 SideWall



FINISHINGS





The use of paint on metallic bases in Hunter Douglas products has a decorative purpose in which the color scheme is used to give the product an aesthetic aspect. It also provides protection to surface areas that are impacted by humidity and corrosion.
The paints that Hunter Douglas uses on its metallic products have excellent color stability properties and provide additional characteristics. For example, they are very easy to clean.

TYPES OF COATING

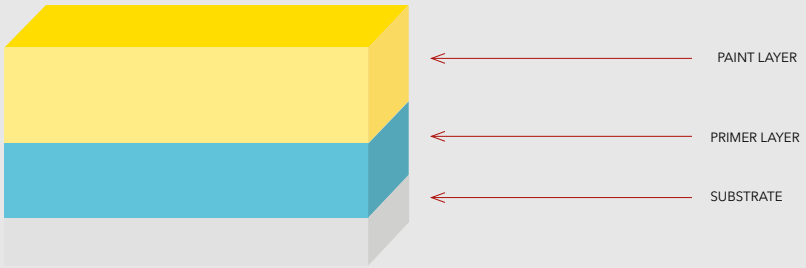
LIQUID COATING

This type of product is applied using rollers with liquid paint. It is used to create different types of finishes that generally blend various colors, providing different grains or textures.

POLYESTER

This is the most frequently used product in Hunter Douglas processes. This type of paint can be used on various types of textures, including both smooth and sanded. There are various types of glosses and mattes, and it is 25 micras thick.

POLYESTER APPLICATION SCHEME



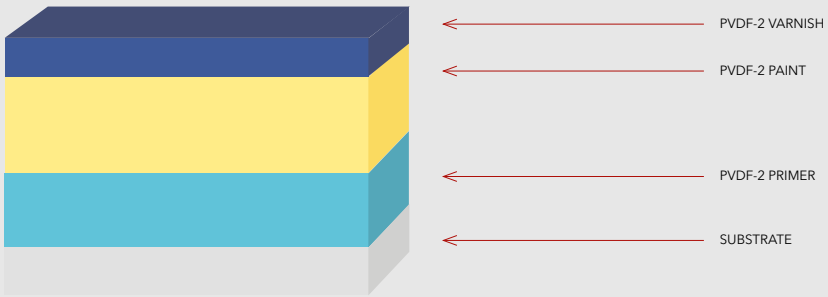
PVDF2

This type of paint provides excellent protection. It comes in a wide range of colors, providing a uniform finish and architectural finish in bright, lasting colors.

ULTRA COOL OR COOL ROOF

All PVDF paints are Ultra Cool or Cool Roof because they have a high reflectance pigment that can be certified with a sun reflectance index (SRI). This reduces the temperature of the surface area of the product and protects it from UV radiation.

PVDF APPLICATION SCHEME



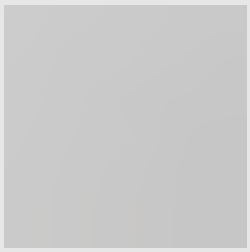
TYPES OF ENVIRONMENTS AND RECOMMENDED PAINT SCHEMES

TYPE OF ENVIRONMENT	CHARACTERISTICS	PRIMARY MATERIAL	PAINT SCHEME	SERVICE TIME (*)
URBAN OR RURAL	ENVIRONMENT WITHOUT THE PRESENCE OF ACIDS, URBAN AND RURAL AREAS	ALUZINC	POLYESTER	OVER 10 YEARS
SOFT MARINE, LIGHT INDUSTRIAL	OVER 400 M FROM THE SEA, INDUSTRIAL ENVIRONMENT, LOW POLLUTION	ALUZINC	POLYESTER	OVER 10 YEARS
URBAN OR RURAL	ENVIRONMENT WITHOUT THE PRESENCE OF ACIDS, URBAN AND RURAL AREAS	ALUMINUM/ALUZINC	PVDF-2	OVER 20 YEARS
SOFT MARINE, LIGHT INDUSTRIAL	OVER 400 M FROM THE SEA, INDUSTRIAL ENVIRONMENT, LOW POLLUTION	ALUMINUM/ALUZINC	PVDF-2 PLUS	OVER 20 YEARS
MEDIUM MARINE	100-400 M FROM THE SEA, COASTAL AREA, INDUSTRIAL ENVIRONMENT	ALUMINUM	PVDF-2 XL	OVER 20 YEARS
SEVERE MARINE, SEVERE INDUSTRIAL	LESS THAN 100 M FROM THE SEA, AGGRESSIVE ENVIRONMENTS, MINING	ALUMINUM	PVDF-2 XL PLUS	OVER 20 YEARS

POWDER COATING

This type of paint is applied as dry powder. It is used to create a hard finish that is more resistant than conventional paint. The thickness of the paint is 70-10 micras. The process is carried out in facilities with a curing oven, cabins for application with electrostatic pistols and an aerial transportation chain from which the products are hung. This type of paint is mainly used to paint thicker products and elements, such as extruded aluminum profiles, Screenpanel XL, Plank XL and MetalScreen.


Metal Grey
Cod. PP01


White Code PP02


Black Code PP03


Brown Code PP04

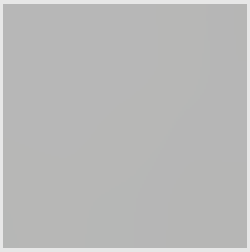

Corten Code PP05


Antracita Cod. PP06


Winter White
Code PP07


Sand Code Cod. PP08


Rojo Cod. PP10

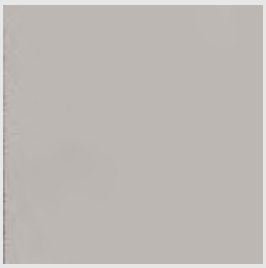

RAL Grey. PP11

COLORS AND FINISHINGS

TYPES OF COLORS

INTERIOR COLORS

Colors for interior application present ranges, tones and glosses that are appropriate for an environment with varying light intensity, limited exposure to UV rays and various atmospheric agents. Emphasis is placed on greater variety and adequate chromatic purity for combining with the various forms and styles of the interior architecture and design.
The colors have a 15% gloss.


Opaque Porcelain
Brightness 15%


Wafer
Brightness 15%

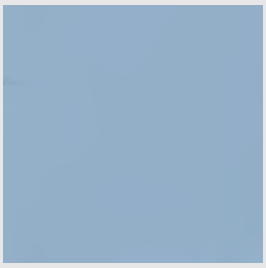

Pistachio
Brightness 15%


Yellow Mustard
Brightness 15%


Mango
Brightness 15%


Red Poppy
Brightness 15%


Natural Aluminum
Brightness 15%


Sky
Brightness 15%


Deep Sea
Brightness 15%


Opaque Anodized
Brightness 15%

EXTERIOR COLORS

The colors for exterior applications have been formulated based on the quality requirements necessary for their exposure to agents such as UV light, pollution and climate agents. The exterior colors have a 45% gloss. A 15% gloss is available for products that require flatness, such as Quadroclad, Multipanel F, Tiles, Screenpanel, etc.


Aluminum
Gloss 45%


Anodized
Gloss 45%


Sand
Gloss 45%


Golden
Gloss 45%


Black Coffee
Gloss 45%


Copper
Gloss 45%


Fire
Gloss 45%


Mandarin
Gloss 45%

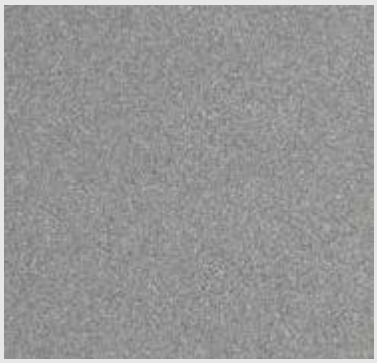

Canary Yellow
Gloss 45%


Lime Green
Gloss 45%

FINISHES

SANDED FINISHES

This application provides a natural finish like clay and gives the exterior warmth and durability. It allows for a high level of flexibility, multiple options and has achieved a wide variety of colors and textures using a blend of pigments.



Natural Aluminum 7163 15%
Fine Sanding

Blackboard 4577 25%
Fine Sanding

Blackboard 4577 25%
Thick Sanding

Note: The sanded finish option is not available for all products. Please contact the Specification Area.

PEARLED OPTIONS

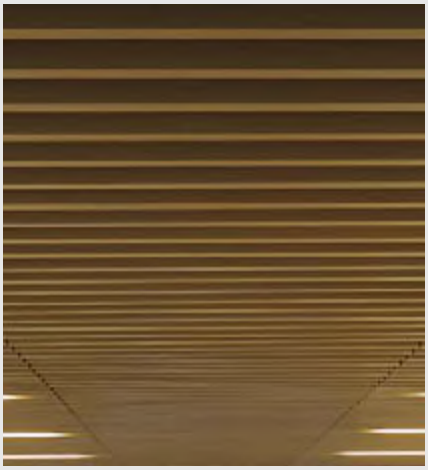
These options can be used on any type of metallic application, preferably to give a brighter shine to the product and give it greater protection and durability. This finish can only be used on a limited number of products. Please contact the Specification Area.

Pearled Fire 5360 45%

Pearled Black 3070 45%

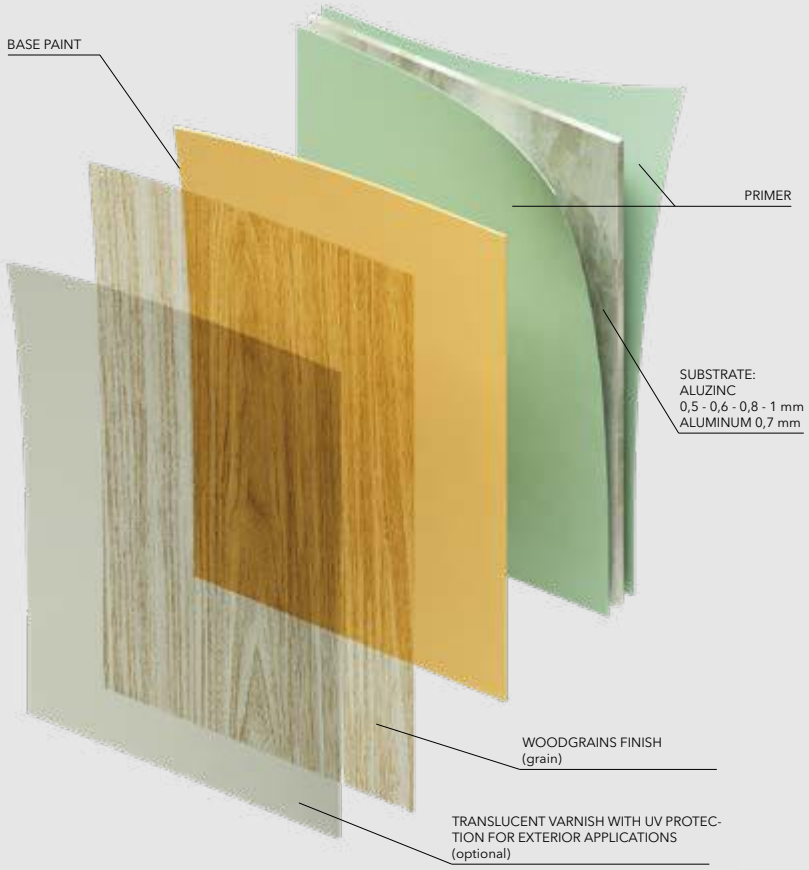
WOODGRAINS | MINERALGRAINS

Façades | Finishes



Wood has always required a great deal of care and constant maintenance in exterior applications. In view of this, Hunter Douglas has created a new finish for all metallic architectural products that provides the warmth of wood without the need for ongoing upkeep. The company has used Woodgrains technology to design a new collection of finishes for interior and exterior use and is unveiling a wide range of colors and grains that can be used on ceiling, louvre, lining and facing products for interior or exterior walls.

Note: A translucent PVDF varnish with UV protection is used for exterior applications.



TYPES OF VAINS

Cathedral

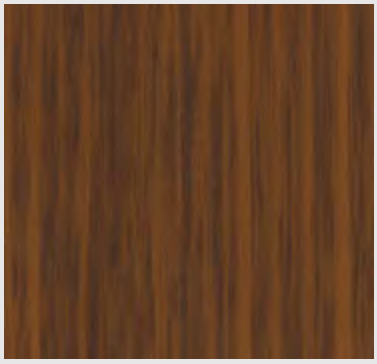
Radial

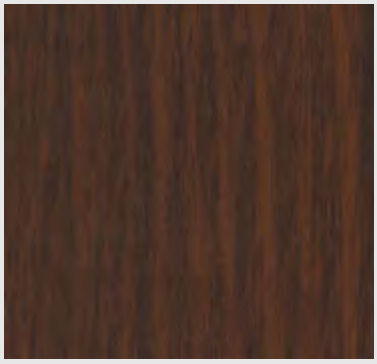
WOODGRAINS COLORS


Aged Poplar


Medium Oxidized Larch


Dark Oxidized Larch

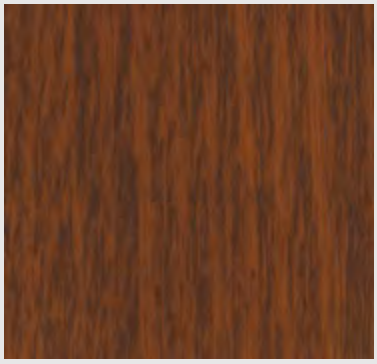

Chestnut

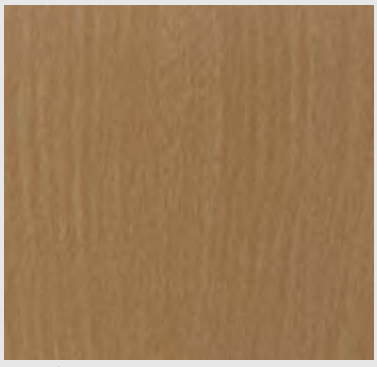

American Cedar


Chinese Cypress


Eucalyptus


Dark Walnut


Oak


Beech


Native Cedar


Black Ebony

Note: Special colors can be developed for projects over 500 m^2.

MINERAL GRAIN COLORS


Corroded Copper 7678


Aged Copper 7679


Dark Corten Steel 7680


Light Corten Steel 7681


Rusted Steel 7682


Aged Corten Steel 7683

Note: Special colors can be developed for projects over 500 m^2.

It is also possible to use a finish for all of the metallic products that is similar to Corten Steel or Patina Copper using the same technology used in Woodgrains. Mineralgrains are recommended in applications in which it is not possible to use Corten steel or copper.

Marble 7685

Sandstone 7686

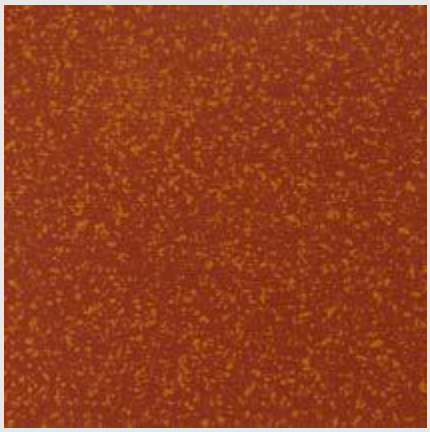
Colonia 7682

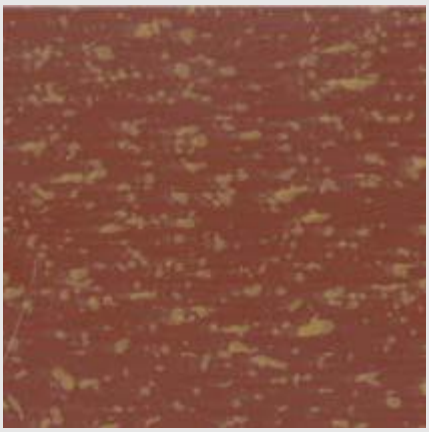
Concrete 7684

Notre Dame 7683

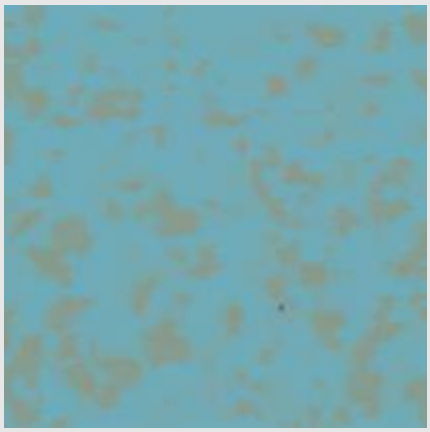
Sevilla 7685

MINERALGRAINS COLORS


Ocher 6968


Sand 6969


Light Brown 6970

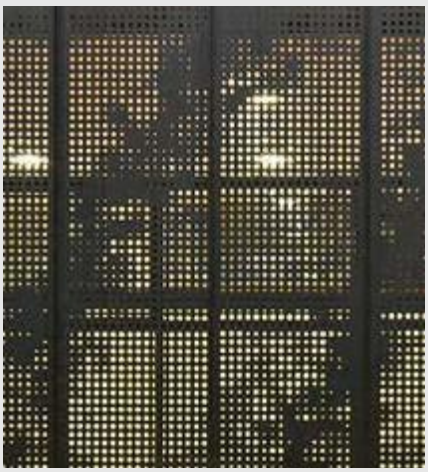

Cyan 6971


Turquoise 6972


Siena 7686


San Basilio 7684

PERFORATIONS
Façades | Finishes



Hunter Douglas has a wide range of perforated materials which present various applications, finishes and coatings. Some of the many functions that perforated materials fulfill are absorbing, covering, decorating, filtering, protecting, separating and ventilating. The size and placement of the perforations, thickness of the veneer and material are key when adding design to functionality.

The attractiveness, formal and functional versatility, and variety of perforated veneers allows for complete customization of interior and exterior spaces in both the ceiling and facing and façade and covering lines, achieving a great variety of possible designs based on the requirements of each project. Hunter Douglas has high precision machinery, equipment and a large variety of matrixes for meeting each of its clients' needs. These perforations can be classified as:

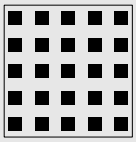
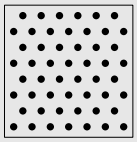
- Standard perforations
- Special perforations

CONSIDERATIONS AND VARIABLES:

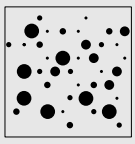
- Perforated surface (panels)
- Material and thickness
- Type and characteristics of perforations
- Image (if applicable)
- Perforation pattern (if applicable)
- Distance between perforations percentage open area
- Number of perforations per sqm

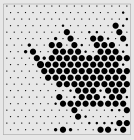
PERFORATIONS

STANDARD PERFORATIONS

PUNCHING	DIE PERFORATION
	
# 406	# 103
Ø 5 mm	Ø 2.95 mm
25% open	20% open
5 mm	3.35 mm $^{+0,05}$
5 mm	2.5 mm $^{+0,05}$

CUSTOM PERFORATIONS

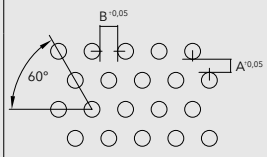




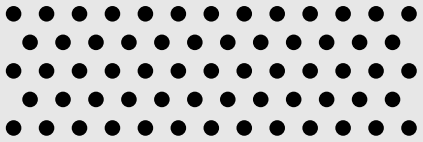
STANDARD PERFORATIONS

103 — Available for material and thickness: Aluzinc 0.4, 0.5, 0.6, 1mm Aluminum 0.7 mm

DESIGN

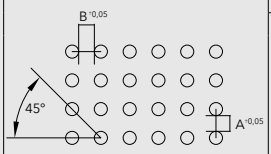


DIMENSIONS IN mm				20% OPEN AREA	NUMBER OF PERFORATIONS M²
A	B	Ø	<		
2.5	3.35	2.95 +0,05	60°		
DISTANCE BETWEEN LONGITUDINAL PERFORATIONS	DISTANCE BETWEEN TRANSVERSAL PERFORATIONS	DIAMETER OF THE PERFORATION	ANGLE OF THE PERFORATION	DIRECTION OF THE PERFORATION WITH RESPECT TO THE VENEER ⇧	#29.098

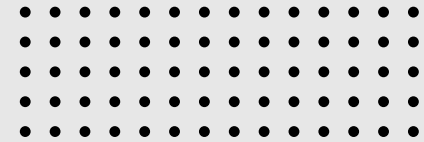


106 — Available for material and thickness: Aluzinc 0.5, 0.6 mm, Aluminum 0.5, 0.6, 0.7 mm

DESIGN

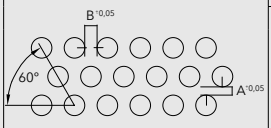


DIMENSIONS IN mm				16% OPEN AREA	NUMBER OF PERFORATIONS m²
A	B	Ø	<		
3	3	2.5 +0,05	45°		
DISTANCE BETWEEN LONGITUDINAL PERFORATIONS	DISTANCE BETWEEN TRANSVERSAL PERFORATIONS	DIAMETER OF THE PERFORATION	ANGLE OF THE PERFORATION	DIRECTION OF THE PERFORATION WITH RESPECT TO THE VENEER ⇧	#33.124

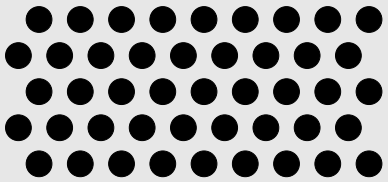


109 — Available for material and thickness: Aluminum 1.2 mm

DESIGN

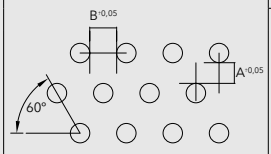


DIMENSIONS IN mm				35% OPEN AREA	NUMBER OF PERFORATIONS m²
A	B	Ø	<		
2.12	3	5 ±0.05	60°		
DISTANCE BETWEEN LONGITUDINAL PERFORATIONS	DISTANCE BETWEEN TRANSVERSAL PERFORATIONS	DIAMETER OF THE PERFORATION	ANGLE OF THE PERFORATION	DIRECTION OF THE PERFORATION WITH RESPECT TO THE VENEER ⇧	#17.500

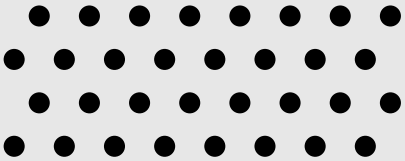


110 M1 — Available for material and thickness: Aluzinc 0.5, 0.6, 1 mm, Aluminum 0.7 mm, Corten steel 0.6, 1 mm

DESIGN

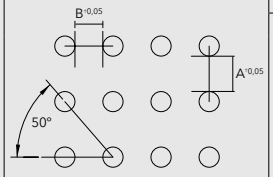


DIMENSIONS IN mm				15% OPEN AREA	NUMBER OF PERFORATIONS m²
A	B	Ø	<		
4.25	5.53	3.9 ±0.05	60°		
DISTANCE BETWEEN LONGITUDINAL PERFORATIONS	DISTANCE BETWEEN TRANSVERSAL PERFORATIONS	DIAMETER OF THE PERFORATION	ANGLE OF THE PERFORATION	DIRECTION OF THE PERFORATION WITH RESPECT TO THE VENEER ⇧	#13.083

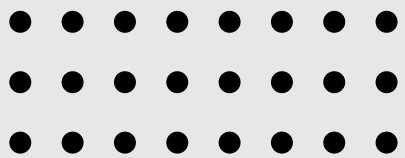


110 M3 — Available for material and thickness: Aluzinc 0.5, 0.6, 0.8, 1 mm, Aluminum 0.5, 0.6, 0.7, 1.55 mm, Corten steel 0.6 and 1 mm

DESIGN



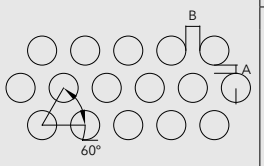
DIMENSIONS IN mm				12% OPEN AREA	NUMBER OF PERFORATIONS M²
A	B	Ø	<		
7	5.53	3.9 ±0.05	50°		
DISTANCE BETWEEN LONGITUDINAL PERFORATIONS	DISTANCE BETWEEN TRANSVERSAL PERFORATIONS	DIAMETER OF THE PERFORATION	ANGLE OF THE PERFORATION	DIRECTION OF THE PERFORATION WITH RESPECT TO THE VENEER ⇧	#9.752



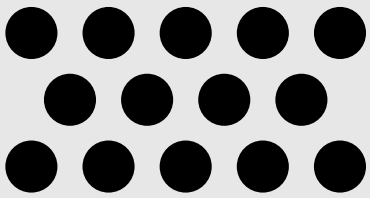
STANDARD PERFORATIONS

111 — Available for material and thickness: Aluzinc 1 mm, Corten steel 1 mm

DESIGN

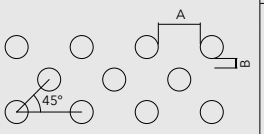


DIMENSIONS IN mm				42% OPEN AREA	NUMBER OF PERFORATIONS m²
A	B	Ø	<		
2.67	4.55	$9.52^{\pm 0.05}$	60°		
DISTANCE BETWEEN LONGITUDINAL PERFORATIONS	DISTANCE BETWEEN TRANSVERSAL PERFORATIONS	DIAMETER OF THE PERFORATION	ANGLE OF THE PERFORATION	DIRECTION OF THE PERFORATION WITH RESPECT TO THE VENEER ⇧	#5.576

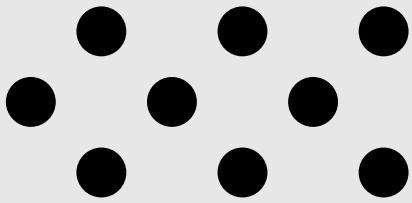


112 — Available for material and thickness: Aluzinc 0.5, 0.6, 1 mm, Aluminum 0.5, 0.6 mm, Corten steel 0.6, 1 mm

DESIGN

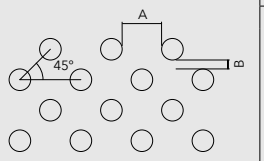


DIMENSIONS IN mm				20% OPEN AREA	NUMBER OF PERFORATIONS m²
A	B	Ø	<		
18	4	10	45°		
DISTANCE BETWEEN LONGITUDINAL PERFORATIONS	DISTANCE BETWEEN TRANSVERSAL PERFORATIONS	DIAMETER OF THE PERFORATION	ANGLE OF THE PERFORATION	DIRECTION OF THE PERFORATION WITH RESPECT TO THE VENEER ⇧	#2.521

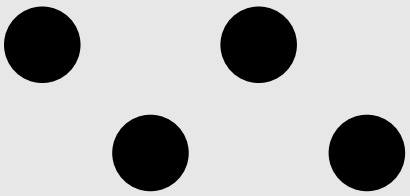


113 — Available for material and thickness: Aluzinc 0.5, 0.6 mm, Corten steel 0.6 mm

DESIGN

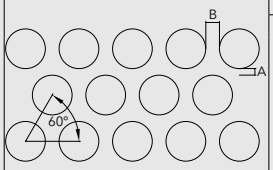


DIMENSIONS IN mm				OPEN AREA	NUMBER OF PERFORATIONS m²
A	B	Ø	<		
27	6	15	45°		
DISTANCE BETWEEN LONGITUDINAL PERFORATIONS	DISTANCE BETWEEN TRANSVERSAL PERFORATIONS	DIAMETER OF THE PERFORATION	ANGLE OF THE PERFORATION	20%	#1.152

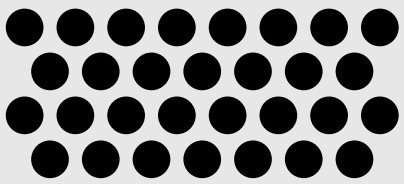


114 — Available for material and thickness: Aluminum 1.5 mm, 1.2 mm

DESIGN

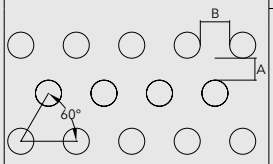


DIMENSIONS IN mm				50% OPEN AREA	NUMBER OF PERFORATIONS m²
A	B	Ø	<		
1.3	2.77	$8^{\pm 0.05}$	60°		
DISTANCE BETWEEN LONGITUDINAL PERFORATIONS	DISTANCE BETWEEN TRANSVERSAL PERFORATIONS	DIAMETER OF THE PERFORATION	ANGLE OF THE PERFORATION	DIRECTION OF THE PERFORATION WITH RESPECT TO THE VENEER ⇧	#9.897

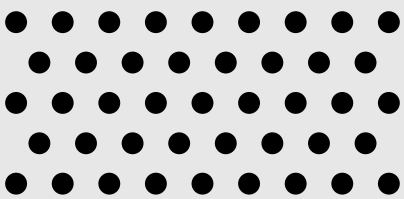


115 — Available for material and thickness: Aluminum 1.5 mm

DESIGN



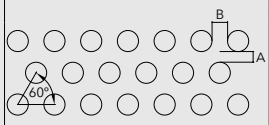
DIMENSIONS IN mm				20% OPEN AREA	NUMBER OF PERFORATIONS m²
A	B	Ø	<		
4.2	5.65	$5^{\pm 0.05}$	60°		
DISTANCE BETWEEN LONGITUDINAL PERFORATIONS	DISTANCE BETWEEN TRANSVERSAL PERFORATIONS	DIAMETER OF THE PERFORATION	ANGLE OF THE PERFORATION	DIRECTION OF THE PERFORATION WITH RESPECT TO THE VENEER ⇧	#10.246



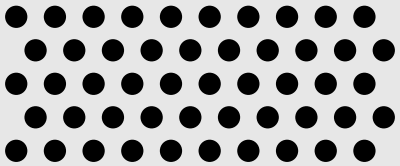
STANDARD PERFORMATIONS

116 — Available for material and thickness: Aluminum 1.5 mm

DESIGN

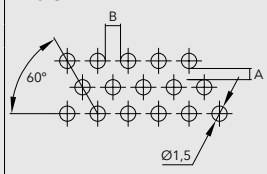


DIMENSIONS IN mm				30% OPEN AREA	NUMBER OF PERFORATIONS m²
A	B	Ø	<		
2.5	3.7	$5^{\pm 0,05}$	60°		
DISTANCE BETWEEN LONGITUDINAL PERFORATIONS	DISTANCE BETWEEN TRANSVERSAL PERFORATIONS	DIAMETER OF THE PERFORATION	ANGLE OF THE PERFORATION	DIRECTION OF THE PERFORATION WITH RESPECT TO THE VENEER ⇧	#15.295

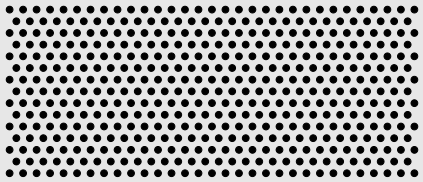


117 — Available for material and thickness: only 300-C 0.7 mm

DESIGN

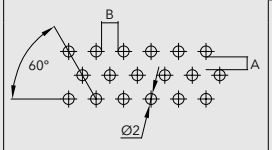


DIMENSIONS IN mm				23% OPEN AREA	NUMBER OF PERFORATIONS m²
A	B	Ø	<		
1.1	1.5	1.5	60°		
DISTANCE BETWEEN LONGITUDINAL PERFORATIONS	DISTANCE BETWEEN TRANSVERSAL PERFORATIONS	DIAMETER OF THE PERFORATION	ANGLE OF THE PERFORATION	DIRECTION OF THE PERFORATION WITH RESPECT TO THE VENEER ⇧	#128.398

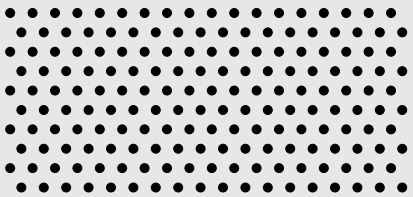


118 — Available for material and thickness: Aluzinc 0.6 mm, Aluminum 0.7 mm

DESIGN

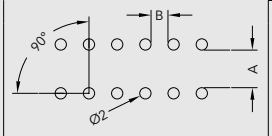


DIMENSIONS IN mm				15% OPEN AREA	NUMBER OF PERFORATIONS m²
A	B	Ø	<		
2.3	3	2	60°		
DISTANCE BETWEEN LONGITUDINAL PERFORATIONS	DISTANCE BETWEEN TRANSVERSAL PERFORATIONS	DIAMETER OF THE PERFORATION	ANGLE OF THE PERFORATION	DIRECTION OF THE PERFORATION WITH RESPECT TO THE VENEER ⇧	#52.425



118 M2 — Available for material and thickness: Aluzinc and Aluminum 0.5/0.6 mm

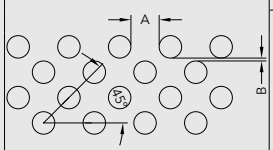
DESIGN



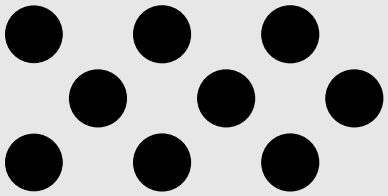
DIMENSIONS IN mm				30% OPEN AREA	NUMBER OF PERFORATIONS m²
A	B	Ø	<		
6.6	3	2	90°		
DISTANCE BETWEEN LONGITUDINAL PERFORATIONS	DISTANCE BETWEEN TRANSVERSAL PERFORATIONS	DIAMETER OF THE PERFORATION	ANGLE OF THE PERFORATION	DIRECTION OF THE PERFORATION WITH RESPECT TO THE VENEER ⇧	#23.400

130 — Available for material and thickness: Aluzinc and Aluminum 0.5/0.6 mm

DESIGN



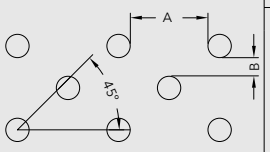
DIMENSIONS IN mm				30% OPEN AREA	NUMBER OF PERFORATIONS m²
A	B	Ø	<		
12,6	1,3	$10^{\pm 0,05}$	45°		
DISTANCE BETWEEN LONGITUDINAL PERFORATIONS	DISTANCE BETWEEN TRANSVERSAL PERFORATIONS	DIAMETER OF THE PERFORATION	ANGLE OF THE PERFORATION	DIRECTION OF THE PERFORATION WITH RESPECT TO THE VENEER ⇧	#3,873



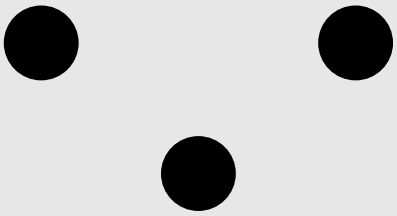
STANDARD PERFORATIONS

131 — Available for material and thickness: Aluzinc and aluminum, 0.5/ 0.6 mm

DESIGN

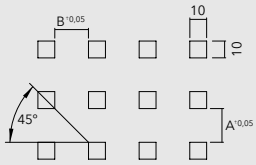


DIMENSIONS IN mm				10% OPEN AREA	NUMBER OF PERFORATIONS m²
A	B	Ø	<		
50	12	15±0,05	45°		
DISTANCE BETWEEN LONGITUDINAL PERFORATIONS	DISTANCE BETWEEN TRANSVERSAL PERFORATIONS	DIAMETER OF THE PERFORATION	ANGLE OF THE PERFORATION	DIRECTION OF THE PERFORATION WITH RESPECT TO THE VENEER ⇧	#5.75



140 — Available for material and thickness: Aluzinc 0.5 and aluminum 0.6 mm

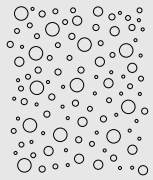
DESIGN



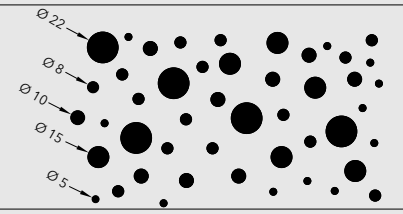
DIMENSIONS IN mm				11% OPEN AREA	NUMBER OF PERFORATIONS m²
A	B	ÁREA	<		
20	20	100mm²	45°		
DISTANCE BETWEEN LONGITUDINAL PERFORATIONS	DISTANCE BETWEEN TRANSVERSAL PERFORATIONS	DIAMETER OF THE PERFORATION	ANGLE OF THE PERFORATION	DIRECTION OF THE PERFORATION WITH RESPECT TO THE VENEER ⇧	#1.700

160 — Available for material and thickness: Aluzinc 0.5/ 0.6 mm and aluminum 0.6 mm

DESIGN

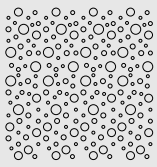


DIMENSIONS IN mm	OPEN AREA	NUMBER OF PERFORATIONS m²
Ø 5 Ø 8 Ø 10 Ø 15 Ø 22	18%	#1.594

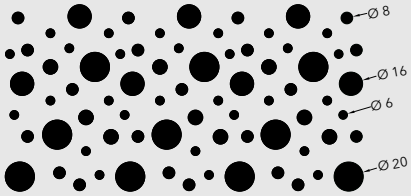


161 — Available for material and thickness: Aluzinc 0.5 mm

DESIGN

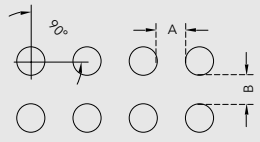


DIMENSIONS IN mm	OPEN AREA	NUMBER OF PERFORATIONS m²
Ø 3 Ø 4 Ø 5 Ø 8 Ø 10	21%	#5.728

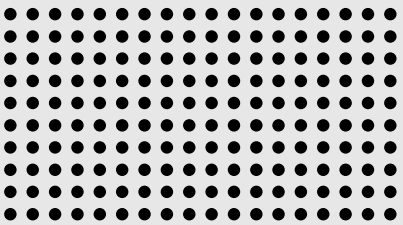


401 / D10

DESIGN

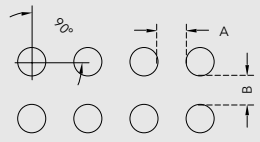


DIMENSIONS IN mm				OPEN AREA	NUMBER OF PERFORATIONS m²
A	B	Ø	<		
8	8	10	90°		
DISTANCE BETWEEN LONGITUDINAL PERFORATIONS	DISTANCE BETWEEN TRANSVERSAL PERFORATIONS	DIAMETER OF THE PERFORATION	ANGLE OF THE PERFORATION	24%	#3.136

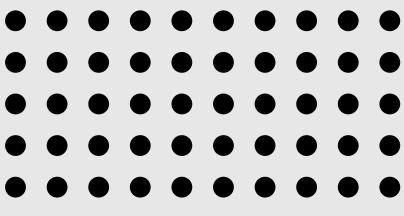


402

DESIGN

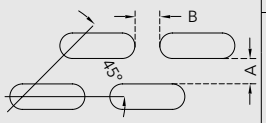
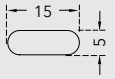
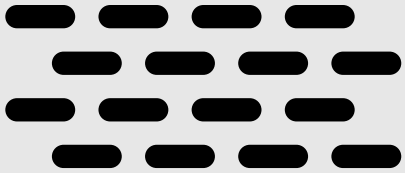


DIMENSIONS IN mm				OPEN AREA	NUMBER OF PERFORATIONS m²
A	B	Ø	<		
15	15	15	90°		
DISTANCE BETWEEN LONGITUDINAL PERFORATIONS	DISTANCE BETWEEN TRANSVERSAL PERFORATIONS	DIAMETER OF THE PERFORATION	ANGLE OF THE PERFORATION	20%	#9.18

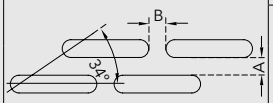
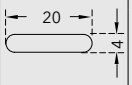
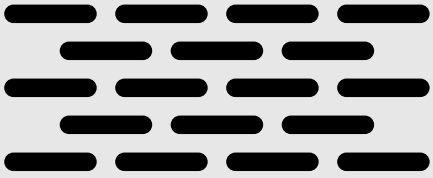


STANDARD PERFORATIONS

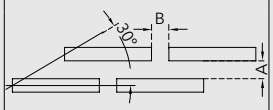
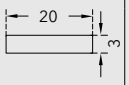
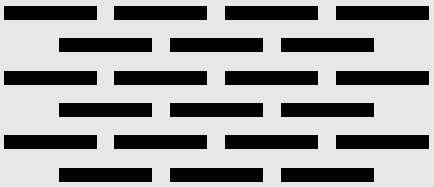
403

DESIGN	DIMENSIONS IN mm				OPEN AREA	NUMBER OF PERFORATIONS m²	
	A	B	DETALLE	<			
	5	5		45°	35%	#5.000	
	DISTANCE BETWEEN LONGITUDINAL PERFORATIONS	DISTANCE BETWEEN TRANSVERSAL PERFORATIONS		PERFORATION ANGLE			

404

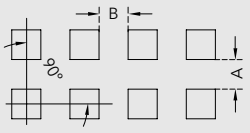
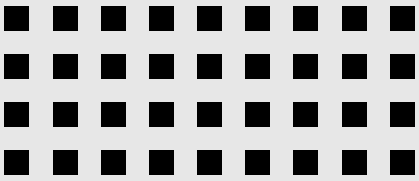
DESIGN	DIMENSIONS IN mm				OPEN AREA	NUMBER OF PERFORATIONS m²	
	A	B	DETALLE	<			
	4	4		34°	40%	#5.187	
	DISTANCE BETWEEN LONGITUDINAL PERFORATIONS	DISTANCE BETWEEN TRANSVERSAL PERFORATIONS		PERFORATION ANGLE			

405

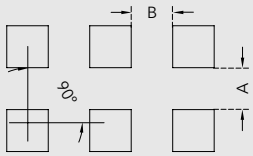
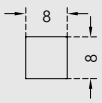
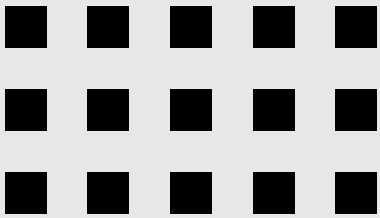
DESIGN	DIMENSIONS IN mm				OPEN AREA	NUMBER OF PERFORATIONS m²	
	A	B	DETALLE	<			
	4	4		30°	36%	#5.934	
	DISTANCE BETWEEN LONGITUDINAL PERFORATIONS	DISTANCE BETWEEN TRANSVERSAL PERFORATIONS		PERFORATION ANGLE			

Note: Minimum margin of 10 mm. Available in aluminum, Corten steel, Aluzinc, galvanized steel and copper.

406

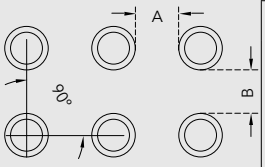
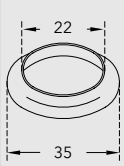
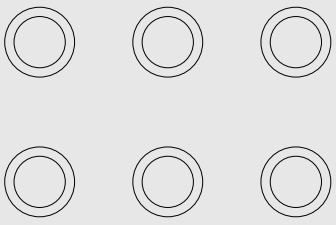
DESIGN	DIMENSIONS IN mm				OPEN AREA	NUMBER OF PERFORATIONS m²	
	A	B	DETALLE	<			
	5	5		90°	25%	#10,000	
	DISTANCE BETWEEN LONGITUDINAL PERFORATIONS	DISTANCE BETWEEN TRANSVERSAL PERFORATIONS		PERFORATION ANGLE			

407

DESIGN	DIMENSIONS IN mm				OPEN AREA	NUMBER OF PERFORATIONS m²	
	A	B	DETALLE	<			
	8	8		90°	25%	#3.969	
	DISTANCE BETWEEN LONGITUDINAL PERFORATIONS	DISTANCE BETWEEN TRANSVERSAL PERFORATIONS		PERFORATION ANGLE			

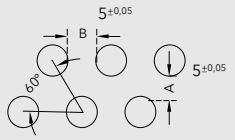
408

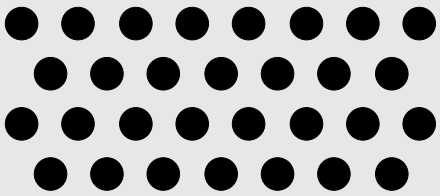
Note: Minimum margin of 50 mm at the edge of the fold.

DESIGN	DIMENSIONS IN mm				OPEN AREA	NUMBER OF PERFORATIONS m²	
	A	B	DIMENSIÓN	<			
	25	25		90°	11%	#2.89	
	DISTANCE BETWEEN LONGITUDINAL PERFORATIONS	DISTANCE BETWEEN TRANSVERSAL PERFORATIONS		PERFORATION ANGLE			

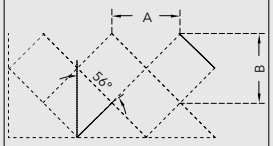
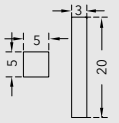
STANDARD PERFORATIONS

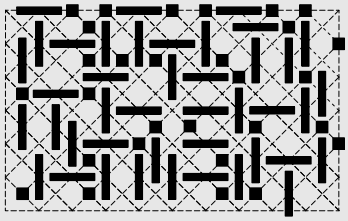
410

DESIGN	DIMENSIONS IN mm				25% OPEN AREA	NUMBER OF PERFORATIONS m²
	A	B	Ø	<		
	3,23	4,25	5±0,05	60°		#13.176
	DISTANCE BETWEEN LONGITUDINAL PERFORATIONS	DISTANCE BETWEEN TRANSVERSAL PERFORATIONS	DIAMETER OF THE PERFORATION	PERFORATION ANGLE	DIRECTION OF THE PERFORATION WITH RESPECT TO THE VENEER	

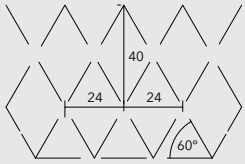


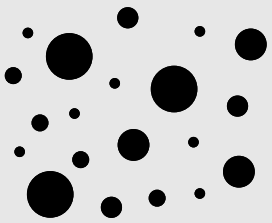
425

DESIGN	DIMENSIONS IN mm				OPEN AREA	NUMBER OF PERFORATIONS m²
	A	B		<		
	15	15		90°	24%	#5.374
	DISTANCE BETWEEN LONGITUDINAL PERFORATIONS	DISTANCE BETWEEN TRANSVERSAL PERFORATIONS		PERFORATION ANGLE		

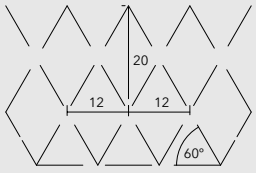


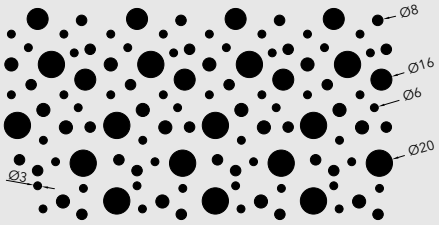
420

DESIGN	DIMENSIONS IN mm				OPEN AREA	NUMBER OF PERFORATIONS m²
	A	B	Ø	<		
	40	24	5/8/10/ 15/22	60°	18%	#1.594
	DISTANCE BETWEEN LONGITUDINAL PERFORATIONS	DISTANCE BETWEEN TRANSVERSAL PERFORATIONS	DIAMETER OF THE PERFORATION	PERFORATION ANGLE		

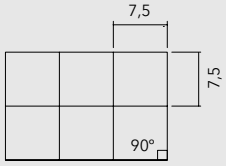


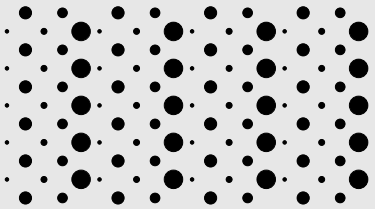
421

DESIGN	DIMENSIONS IN mm				OPEN AREA	NUMBER OF PERFORATIONS m²
	A	B	Ø	<		
	20	12	3/4/5/ 8/10	60°	21%	#5.728
	DISTANCE BETWEEN LONGITUDINAL PERFORATIONS	DISTANCE BETWEEN TRANSVERSAL PERFORATIONS	DIAMETER OF THE PERFORATION	PERFORATION ANGLE		

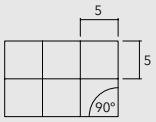


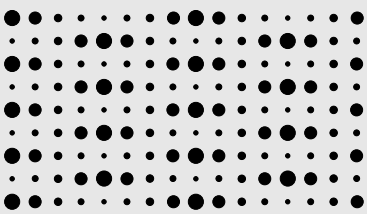
422

DESIGN	DIMENSIONS IN mm				OPEN AREA	NUMBER OF PERFORATIONS m²
	A	B	Ø	<		
	15	15	3/5/8/ 10/15	90°	14.5%	#2.238
	DISTANCE BETWEEN LONGITUDINAL PERFORATIONS	DISTANCE BETWEEN TRANSVERSAL PERFORATIONS	DIAMETER OF THE PERFORATION	PERFORATION ANGLE		



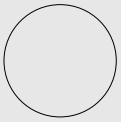
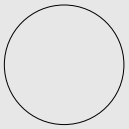
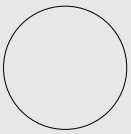
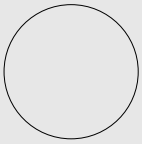
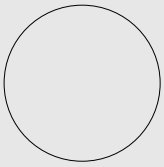
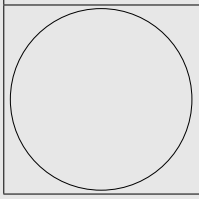
423

DESIGN	DIMENSIONS IN mm				OPEN AREA	NUMBER OF PERFORATIONS m²
	A	B	Ø	<		
	15	15	3/4/5/ 8/10	90°	14%	#4.489
	DISTANCE BETWEEN LONGITUDINAL PERFORATIONS	DISTANCE BETWEEN TRANSVERSAL PERFORATIONS	DIAMETER OF THE PERFORATION	PERFORATION ANGLE		



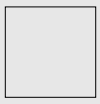
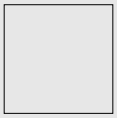
SPECIAL PERFORATIONS (CNC)

DRAWING	PUNCH TYPE	ALLOWABLE THICKNESSES (mm)
	RD - 3 Ø 3 mm	0.5 - 0.75 - 1 - 1.5 - 2
	RD - 4 Ø 4 mm	0.5 - 0.8 - 1 - 1.5 - 1.9 - 2 - 3
	RD - 5 Ø 5 mm	0.5 - 0.8 - 1 - 1.25 - 1.5 - 1.9 - 2 - 2.5 - 2.25 - 3
	RD - 5,5 Ø 5.5 mm	1
	RD - 6 Ø 6 mm	2.25 - 3
	RD - 7 Ø 7 mm	1 - 2.25 - 0.75
	RD - 8 Ø 8 mm	0.5 - 0.75 - 1 - 1.5 - 2 - 3
	RD - 10 Ø 10 mm	0.5 - 0.75 - 1 - 1.25 - 1.5 - 1.75 - 1.9 - 2 - 2.5 - 3
	RD - 15 Ø 15 mm	0.5 - 0.75 - 1 - 1.25 - 1.5 - 1.75 - 1.9 - 2 - 2.25 - 2. 5 - 3
	RD - 20 Ø 20 mm	0.5 - 0.75 - 1 - 1.25 - 1.50 - 1.9 - 2 - 2.5 - 3
	RD - 22 Ø 22 mm	0.5 - 0.75 - 1 - 1.25 - 1.5 - 1.9 - 2 - 2.5 - 3
	RD - 25 Ø 25 mm	0.5 - 0.75 - 1 - 1.5 - 2 - 3
	RD - 30 Ø 30 mm	0.5 - 1 - 1.25 - 2 - 2.5 - 3
	RD - 35 Ø 35 mm	1.2 - 2
	RD - 40 Ø 40 mm	0.8 - 1 - 3

DRAWING	PUNCH TYPE	ALLOWABLE THICKNESSES (mm)
	RD - 41 Ø 41 mm	1.5
	RD - 44 Ø 44 mm	0.5 - 1 - 1.5 - 2
	RD - 45 Ø 45 mm	2
	RD - 50 Ø 50 mm	1 - 2
	RD - 67 Ø 67 mm	0.75
	RD - 80 Ø 80 mm	1

Note: All materials can be perforated as long as they fall within the allowable thickness range.

SPECIAL PERFORATIONS (CNC)

DRAWING	PUNCH TYPE	ALLOWABLE THICKNESSES (mm)
	SQ - 5 5 mm	0.3 - 0.5 - 0.75 - 1 - 2 - 2.25 - 2.5 - 3
	SQ - 7 7 mm	3.5
	SQ - 8 8 mm	0.5 - 0.75 - 1 - 1.2 - 2
	SQ - 10 10 mm	0.5 - 0.75 - 1 - 1.2 - 2 - 2.5 - 3
	SQ - 10.5 10.5 mm	1
	SQ - 13 13 mm	1
	SQ - 15 15 mm	0.5 - 0.75 - 1 - 1.5 - 1.9 - 2 - 2.5 - 3
	SQ - 20 20 mm	0.5 - 0.75 - 1 - 1.2 - 3.5
	SQ - 25 25 mm	0.5 - 0.75 - 1 - 1.5 - 2
	SQ - 30 30 mm	0.5 - 0.75 - 1 - 1.5 - 2
	SQ - 40 40 mm	0.5 - 0.75 - 1 - 2
	SQ - 50 50 mm	2

DRAWING	PUNCH TYPE	ALLOWABLE THICKNESSES (mm)
	HX - 8.7	1 - 2.5 - 3,5
	HX - 17.3	0.8
	HX - 34.6	0.8
	HX - 43.3	0.8
	HX - 69.3	0.8

SPECIAL PERFORATIONS (CNC)

DRAWING	PUNCH TYPE	ALLOWABLE THICKNESSES (mm)
	RE - 12.5 x 10 12.5 x 10 mm	1
	RT - 13 x 5 13 x 5 mm	1
	RT - 13 x 10.5 13 x 10.5 mm	1
	RT - 15 x 5 15 x 5 mm	1
	RT - 15,5 x 5 15.5 x 5 mm	1
	RT - 15.5 x 13 15.5 x 13 mm	1
	RE - 15 x 10 15 x 10 mm	1
	RE - 18 x 5 18 x 5 mm	1
	RE - 20 x 3 20 x 3 mm	0.5 - 0.75 - 1 - 1.5 - 2 - 2.5 - 3
	RE - 20 x 5 20 x 5 mm	1
	RE - 20,5 x 5 20.5 x 5 mm	1
	RE - 20.5 x 10.5 20.5 x 10.5 mm	0.45
	RE - 23 x 8 23 x 8 mm	1
	RE - 25 x 5 25 x 5 mm	1
	RE - 26 x 5 26 x 5 mm	1
	RE - 25 x 8 25 x 8 mm	1
	RE - 30 x 4 30 x 4 mm	2.25
	RE - 50 x 3 50 x 3 mm	2 - 2.25
	RE - 59 x 3 59 x 3 mm	1
	RE - 80 x 3 80 x 3 mm	0.5 - 0.75 - 1 - 2 - 2.25 - 3.5

DRAWING	PUNCH TYPE	ALLOWABLE THICKNESSES (mm)
	OB - 15 x 3 15 x 3 mm	0.5 - 0.75 - 1
	OB - 15 x 4 15 x 4 mm	0.5 - 0.75 - 1
	OB - 15 x 5 15 x 5 mm	0.5 - 0.75 - 1 - 1.5 - 2 - 3
	OB - 20 x 4 20 x 4 mm	0.5 - 0.75 - 1 - 1.5 - 2 - 2.5 - 3
	OB - 20 x 3 20 x 3 mm	0.5 - 0.75 - 1 - 2
	OB - 20 x 5 20 x 5 mm	0.65
	OB - 20 x 8 20 x 8 mm	0.5 - 0.75 - 1 - 2
	OB - 24 x 10 24 x 10 mm	0.5 - 0.75 - 1 - 2
	OB - 27 x 7 27 x 7 mm	2.5 - 3.5
	OB - 30 x 4 30 x 4 mm	1
	OB - 30 x 6 30 x 6 mm	1 - 2 -3 - 3.5
	OB - 35 x 7 35 x 7 mm	0.6

Note: All materials can be perforated as long as they fall within the allowable thickness range.

THEMATIC PERFORATIONS

THEMATIC PERFORATIONS
These are generated on the basis of an image, silhouette or specific shape (depending on the project requirements), configuring the perforations to generate a specific projection that stands in contrast to the panels.

VARIABLES
-Total surface area of panels to be perforated
-Number of perforations per m2
-Definition of image
-Contrasts
-Number of distinct punch-outs

These are classified as:
- Single punch themes
- Multiple punch themes
- Laser cut themes

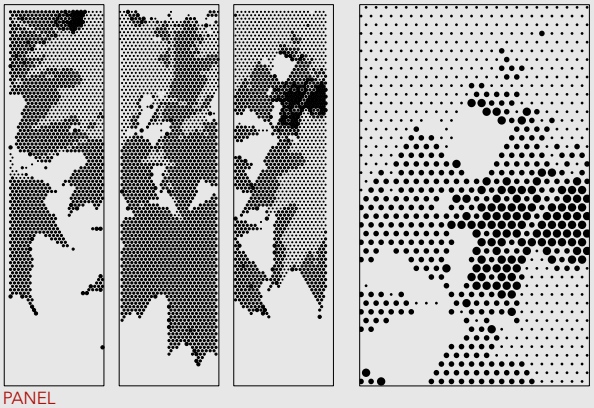
Single punch themes
These consist of the composition of flat figures such as silhouettes, numbers or letters using a single punch diameter.
Single punch themes

MULTIPLE PUNCH THEMES

PANEL

Multiple punch themes
These consist of the composition of figures through the random placement of punches of varying diameters. This generates different planes, light and shadows, providing the image with greater contrast and definition.

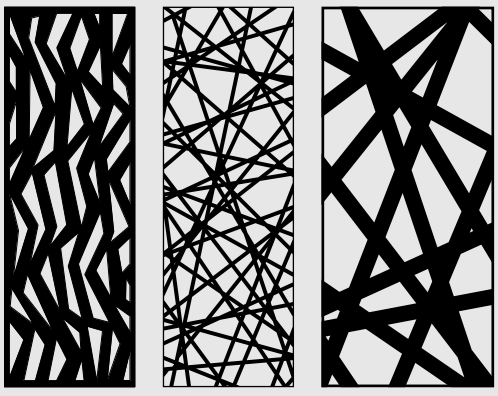
MULTIPLE PUNCH THEMES



PANEL

Laser Cut Theme
This type of perforation is achieved by making cuts around the shape (cut length). It can be used on very thick or long panels or plates.

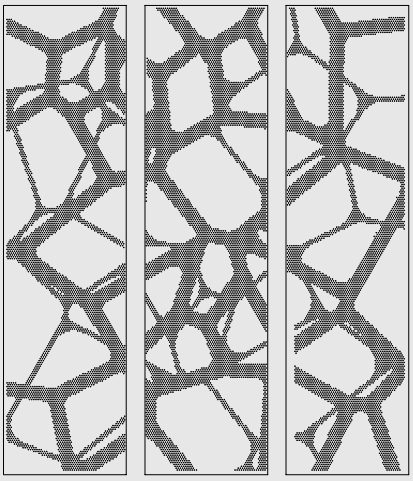
LASER CUT THEME



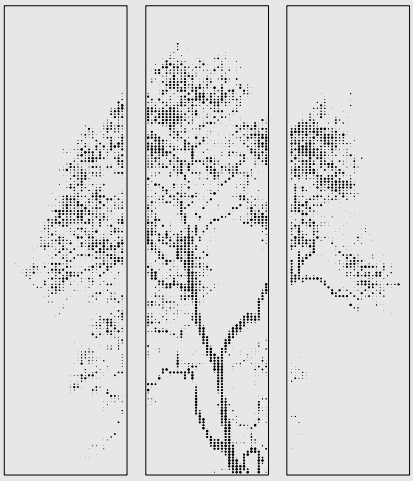
PANEL TYPES

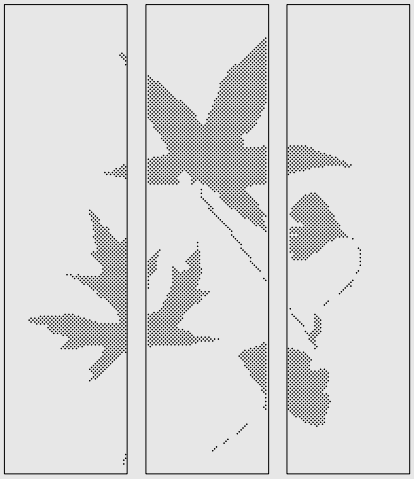
THEMATIC PERFORATIONS

SINGLE PUNCH THEMES



MULTI PUNCH THEMES





SUPERIMPOSED DESIGNS

PLATE A

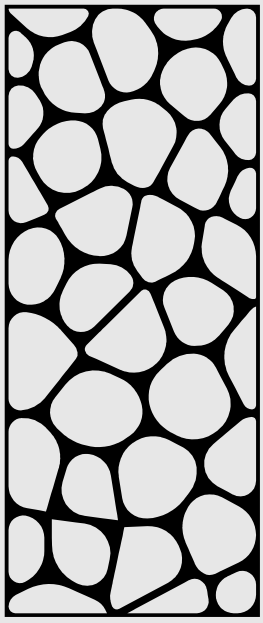


PLATE B

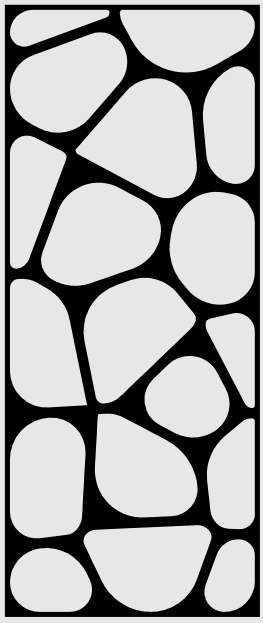
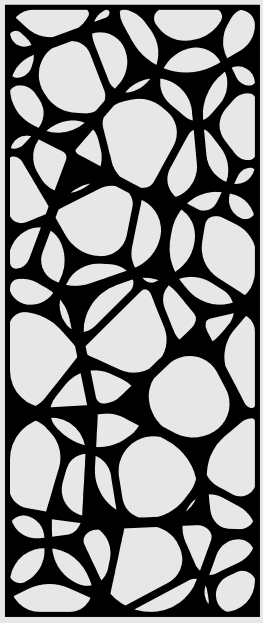


PLATE A+B

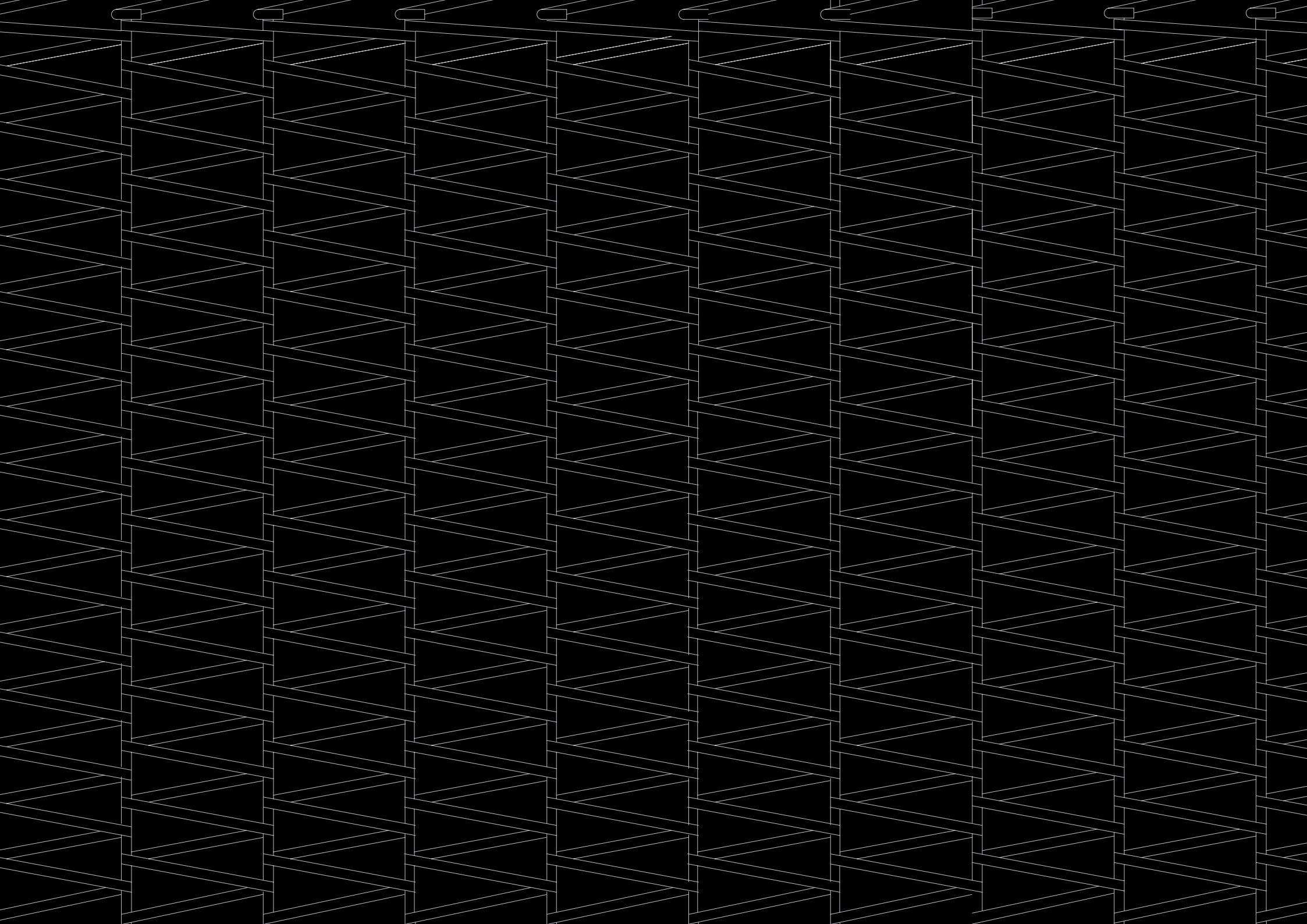


PERFORATIONS
Façades | Finishes

PRODUCT	103	106	110M1	110M3	111	112	113	114	115	116	118	118M2	130	131	161
PANELES SCREEN															
SCREENPANEL C - G - J	✓		✓	✓		✓	✓	✓	✓	✓					✓
SCREENPANEL XL - W	No online perforation possible. Only punch-outs.														
METALSCREEN															
GKD															
STRIPSCREEN	✓	✓	✓	✓		✓	✓				✓	✓	✓	✓	
STRIPWEAVE			✓				✓						✓	✓	
WINDSCREEN															
VENTILATED FAÇADES															
VENTILATED FAÇADE															
NBK															
QUADROCLAD															
QUADROGLASS															
SLIDING & FOLDING															
SLIDING & FOLDING SHUTTERS															
TEXSCREEN															
SINGLE SKIN PANELS															
GEOCLAD	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
QUADROLINES	✓	✓	✓	✓		✓	✓				✓	✓	✓	✓	
MINIWAVE	✓	✓	✓	✓		✓	✓				✓	✓	✓	✓	
SOFTWAVE	✓	✓	✓	✓		✓	✓				✓	✓	✓	✓	
UVELINE	✓	✓	✓	✓		✓	✓				✓	✓	✓	✓	
MULTIPANEL	✓	✓													
FS FACING															
M FACING															
SL PANELS															
CD PANELS	✓	✓	✓	✓		✓	✓				✓	✓	✓	✓	
84R FACING	✓	✓									✓	✓			
TIMBERLINE															
PIRAMID															
SIDEWALL															

Note: The components of the product on this sheet are constantly subject to innovation and development, and may be subject to change. The measurements listed on this technical sheet are expressed in millimeters (mm). In order to ensure that the product functions properly, installation should always be completed by an authorized distributor using all of the accessories identified in accordance with Hunter Douglas technical specifications.

PRODUCT	MATERIALS									FINISHES	
	ALUZINC	ALUMINUM	CORTEN STEEL	WOOD	TERRACOTTA CERAMIC	TEMPERED CLASS	SCREEN FABRIC	STAINLESS STEEL	GALVANIZED STEEL	100 COLORS/ WOODGRAINS	ELECTRO POWDER
SCREEN PANELS											
SCREENPANEL	✓	✓	✓					✓	✓	✓	✓
METALSCREEN	✓	✓	✓						✓		✓
GKD	✓							✓	✓	✓	
STRIPSCREEN	✓		✓							✓	
STRIPWEAVE	✓		✓							✓	
WINDSCREEN		✓								✓	
VENTILATED FAÇADES											
VENTILATED FAÇADE	✓	✓	✓							✓	
NBK					✓						
QUADROCLAD	✓	✓				✓				✓	
SLIDING & FOLDING											
SLIDING & FOLDING SHUTTERS	✓	✓								✓	✓
TEXSCREEN							✓				
SINGLE SKIN PANELS											
GEOCLAD	✓	✓	✓						✓	✓	✓
QUADROLINES	✓	✓	✓						✓	✓	
MINIWAVE	✓	✓	✓							✓	
SOFTWAVE	✓	✓	✓							✓	
UVELINE	✓	✓	✓							✓	
MULTIPANEL	✓		✓							✓	
FS FACING	✓									✓	
M FACING	✓									✓	
SL PANELS	✓		✓							✓	✓
CD PANELS	✓		✓							✓	✓
84R FACING	✓	✓								✓	
TIMBERLINE	✓									✓	
PIRAMID	✓	✓	✓							✓	
SIDEWALL	✓	✓	✓							✓	



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