

HunterDouglas
Architectural

1919~2019 anniversary
HunterDouglas
Architectural

About Hunter Douglas Group



- Head office at Rotterdam, The Netherlands
- Management office in Lucerne, Switzerland
- World Market Leader in Window Coverings
- Major manufacturer of Architectural Products

Kindly GOOGLE for more information about HUNTER DOUGLAS

http://www.hunterdouglasgroup.com/timeline/

COMPANIES	EMPLOYEES	COUNTRIES
132	22,750	100

History – Hunter Douglas India

HunterDouglas®



Henry H. Sonnenberg
Founder of the Hunter Douglas Group

From our founding in 1919, Hunter Douglas has been a home for innovators. Established by entrepreneurs, our culture has been one of innovation and advancement that attracts the best and the brightest.

With global manufacturing and distribution capabilities, our international presence is uniquely multi-cultural, yet distinctly dedicated to a shared vision to meet the ever-changing needs of our customers.



1919

Henry Sonnenberg founded a machine tool distribution and subsequently manufacturing company in Dusseldorf, Germany.

After World War II , Henry Sonnenberg moved to United States with his entire family, where he founded Douglas Machinery Company



1946-47

Henry Sonnenberg established a joint venture with inventor Joe Hunter, which developed technology and equipment for continuous casting of lightweight aluminum. Hunter Douglas as we know it today was born.

Aluminum Blinds, which quickly gained a leading position in the American and Canadian markets, were launched.

The headquarters was moved to Montreal, Canada.



1960

Expanded operation in Europe and into Australia and Latin America

Launched the first Architectural Product: 84R for ceilings, façades and sun louvers.

Developed a unique linear aluminum ceiling system, which was the foundation for the Architectural Products business.



1969

The Group went public, with shares listed on the Montreal and Amsterdam Stock Exchanges.

The Group headquarters was moved to Rotterdam, The Netherlands, and Hunter Douglas became a worldwide Holding Group



1975

The external sun louver system 70s/132s was launched. The innovative louver system delivered an outstanding performance and an aesthetic look.

Luxacote®, the globally proprietary coating for exterior application, was developed. The product offered outstanding anti-scratch performance and weatherability.



1985

The revolutionary Duette® Honeycomb Shades, which were soft, durable and highly energy efficient, were launched.

Launched the Wide Panel Ceiling system, which helped architects create monolithic and impressive ceilings.

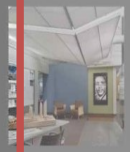


1993 - 94

Hunter Douglas expanded its operations in Asia including India.

The manufacturing facility in India was set up at Silvassa near Gujarat for both window covering and architectural products.

Hunter Douglas established itself in India as one of the preffered window blinds and architectural product supplier under various brands like Luxalon and Hunter Douglas window fashions.



20 3 - 04

D veloped Techstyle® a ustical ceilings.

St rted fabrication unit fo window fashion p ducts at Chennai.

3 rm® and NBK® joined th Group. The innovative tr nslucent resin panels a ventilated rainscreen te racotta panels greatly e ended our c nmitment to develop in ovative architectural s utions.



2009 - 13

Hunter Douglas designed and supplied window covering products and architectural products for many prestigious projects of customers like TCS, Infosys, Suzlon, Reliance, JSW apart from infrastructrual projects like airports (New Hyderabad, T3 Delhi International Airport, Banglore, Trivandrum, Pune, Kochi etc) and metros (Delhi, Mumbai, Banglore and Chennai)

Hunter Douglas India established world class state of the art manufacturing facility to design and supply custom made architectural solutions and Sricity, Andhra Pradesh.



1940



1956



1962 - 66



1971



1981



1989

1995 - 2002



20 5 - 08



2014

27years

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ARCHITECTURAL PRODUCTS.



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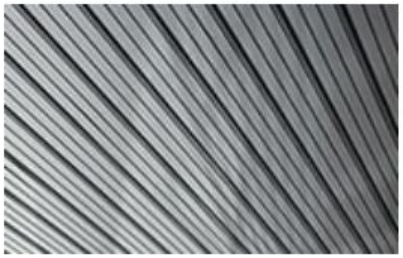
Architectural

Ceiling & Wall Systems



CEILINGS & WALLS



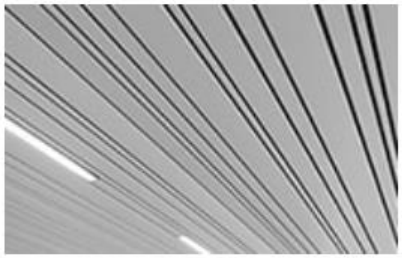
EXTERIOR METAL



EXTERIOR WOOD



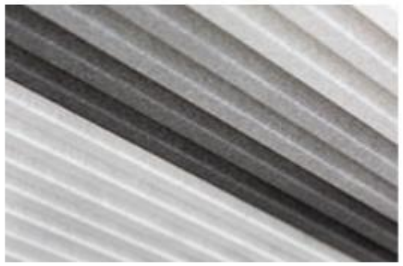
HEARTFELT™ WALLS



INTERIOR METAL



INTERIOR WOOD



TEXTILE



WALL SYSTEMS

Façades

Substance or style? All too often, architects and designers have had to choose. With Hunter Douglas Façades, there is no need to settle. Rarely does a product so perfectly blend function and form. Our façades improve a building's comfort level while offering the architect or designer a multitude of design options.



FAÇADES



QUADROCLAD® HONEYCOMB



SANDWICH WALL



SINGLE SKIN PANELS



OPEN STRUCTURE



CUSTOMISED PANELS

Exterior Sun Control

With over 40 years of experience with exterior Sun Control Systems, Hunter Douglas provides architects the knowledge and expertise to integrate Sun Control Systems into the building architecture, enhancing the façade while providing highly effective sun protection.



SUN LOUVRES



AEROBRISE



AEROFOILS



AEROSCREEN



AEROSKIN



EOS® CONTROL SYSTEM



LINEAR



SHUTTERS



SUN LOUVRES

Confederation of Indian Industry

CERTIFIED



Confederation of Indian Industry

CII-Green Products and Services Council

hereby certifies that

Custom Ceilings

manufactured by Hunter Douglas India Pvt. Ltd., Sricity Unit, Andhra Pradesh, meets the required standards of GreenPro Certification and qualifies as ***Green Product.***

This certification is valid till December 2018.

Jamshyd N Godrej
Chairman
CII-Godrej GBC

ParasuRaman R
Chairman
CII-Green Products & Services Council

K S Venkatagiri
Executive Director
CII-Godrej GBC

Supporting Council and programmes

December 2016

Knowledge Partner



Confederation of Indian Industry

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Supporting Council and programmes

December 2016

Knowledge Partner

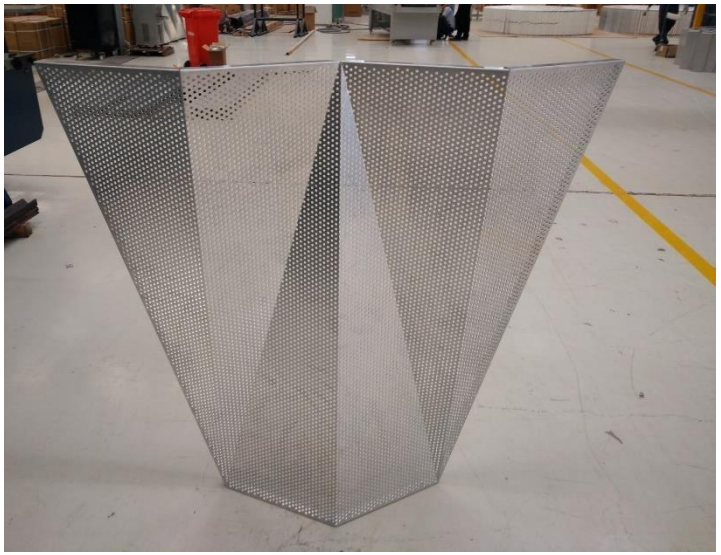
Designed Perspective View From Architects



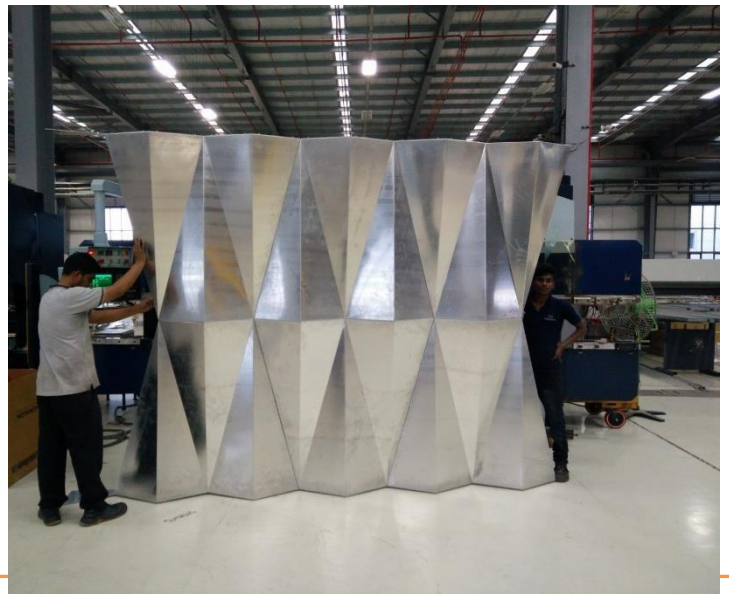
1

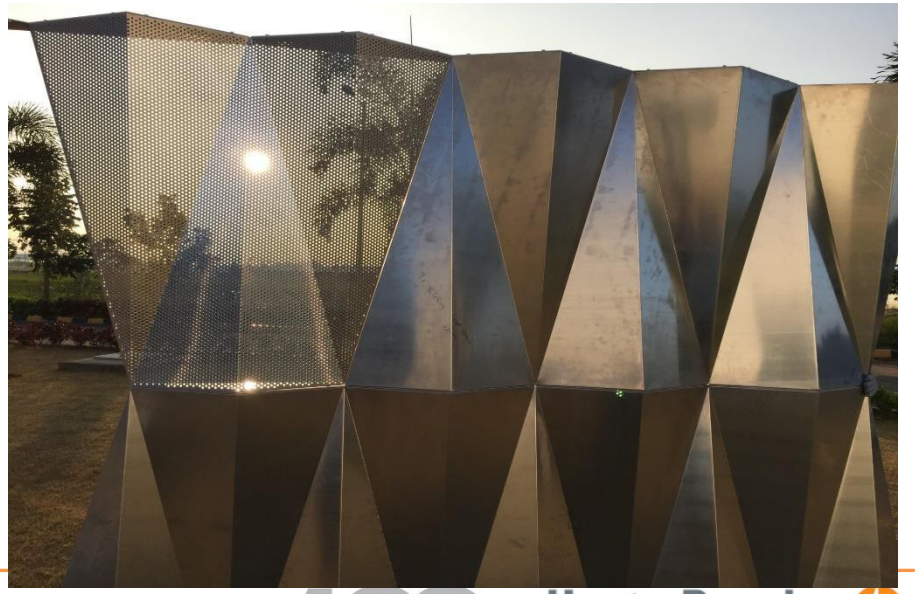
MCIPL, Diamond Shape Metal Façade, Bangalore

Panel Production & Inspection

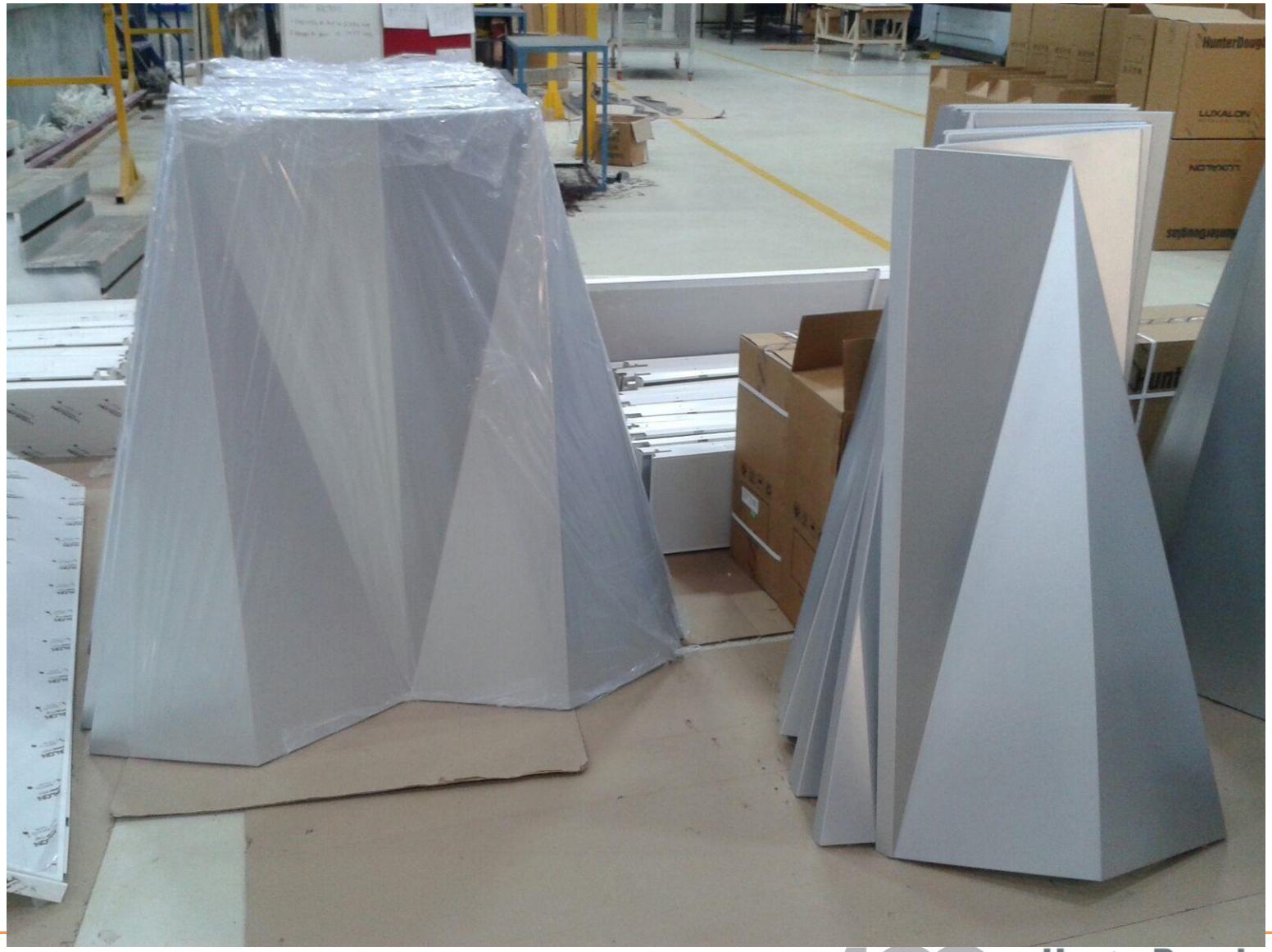




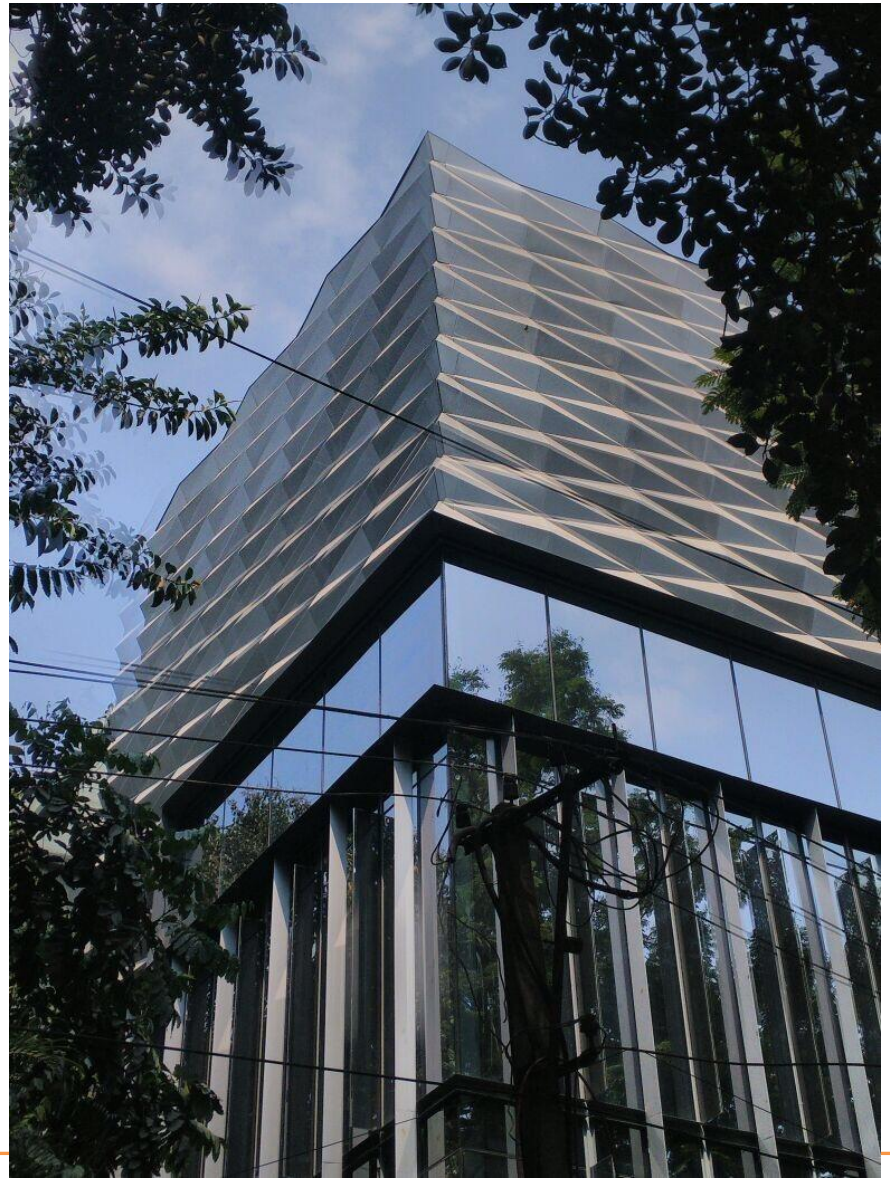


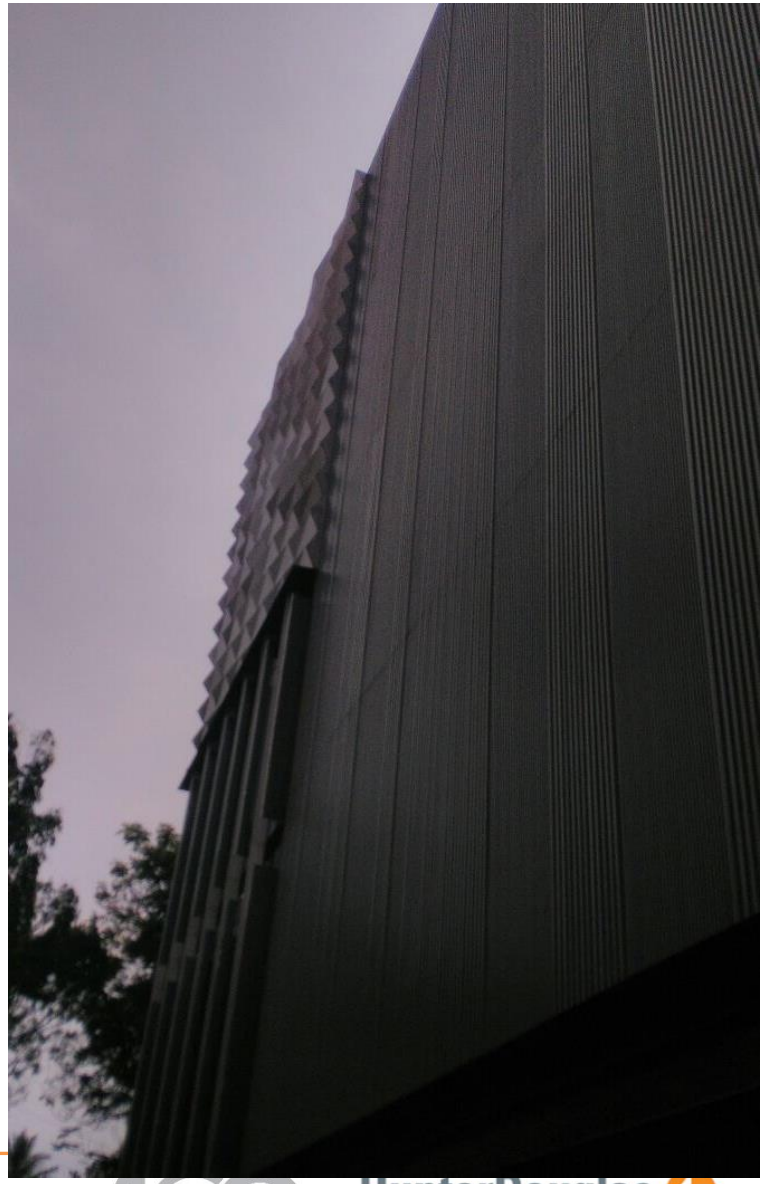


PVDF Coating & Packaging



Site Images – Post Installation





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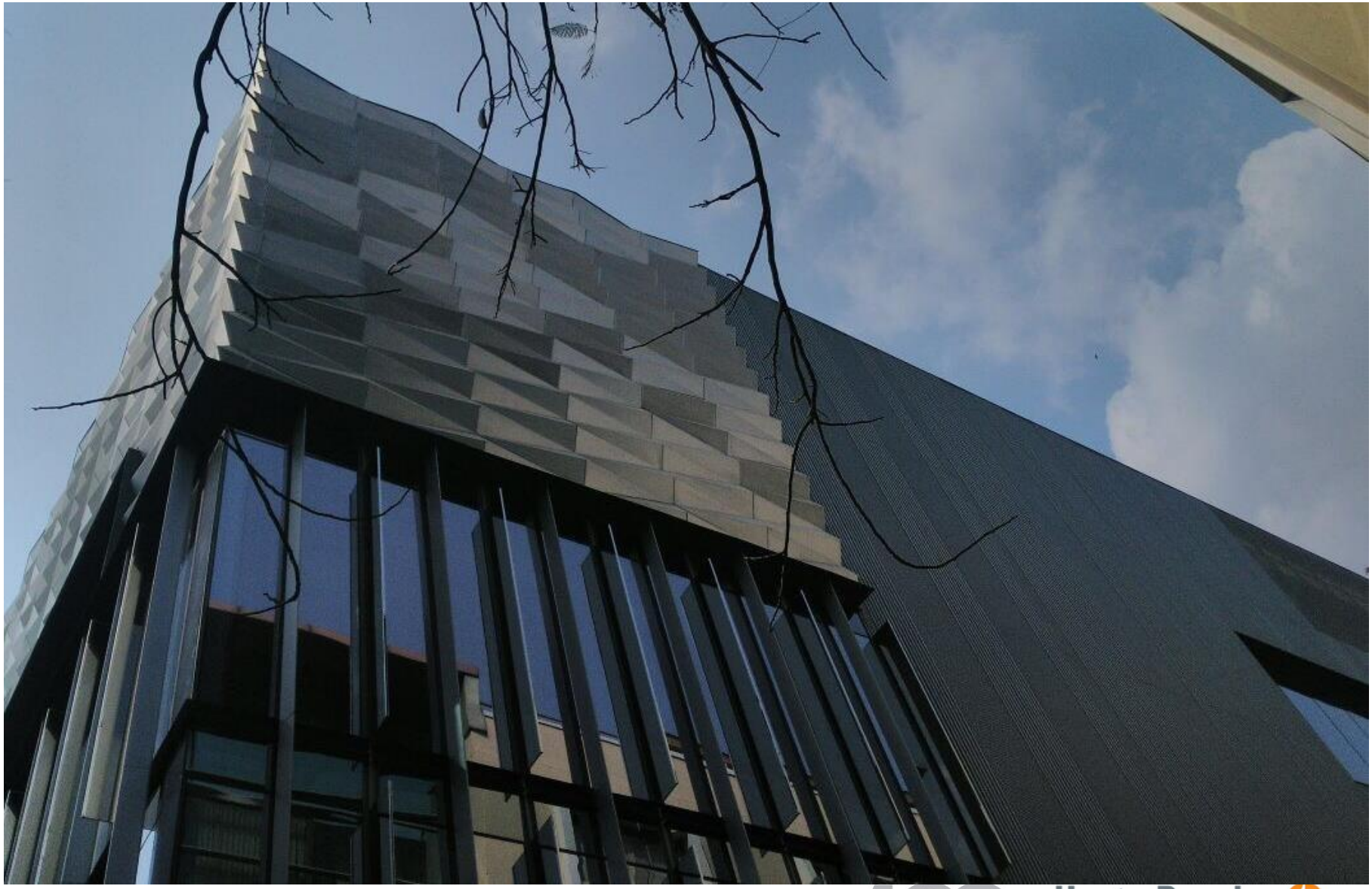



2

KSM Architecture

Baashyaam Contrsuction

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VISWA & DEVI











3

Venkataramanan Associates
ARCHITECTURE · URBAN DESIGN

FKCCI, Bangalore

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Designed Perspective View FromArchitects



4

ARCHITECT SUBIR BASU

Dhonadhanya ,Kolkata







PANEL CHARACTERISTICS

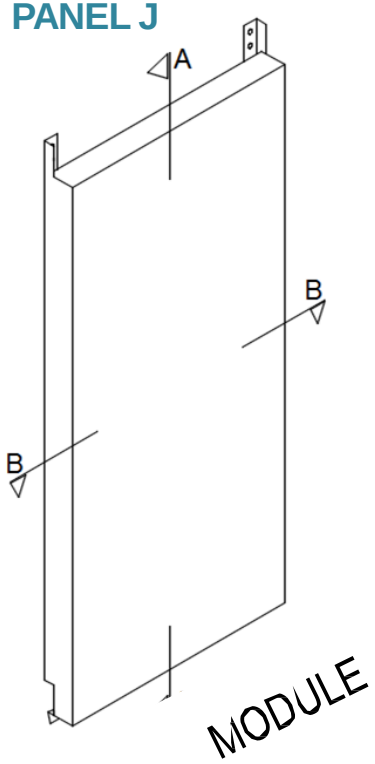
This product has the peculiarity of being drilled according to designs or perforated parametric figures that the customer can create numerical control technology, providing excellent flexibility to the design of the final product



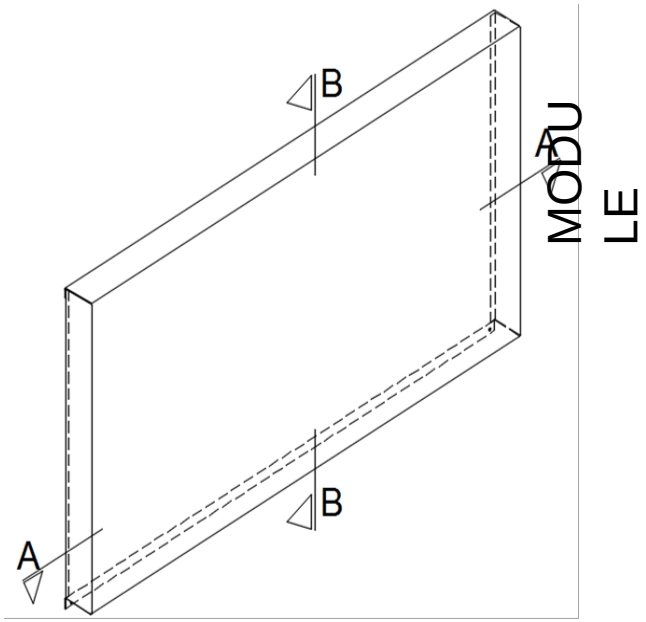
TYPES OF PANEL'S

SMALL SIZE, **280 -481 mm** / LOW THICKNESS **0,8-1,5 mm**

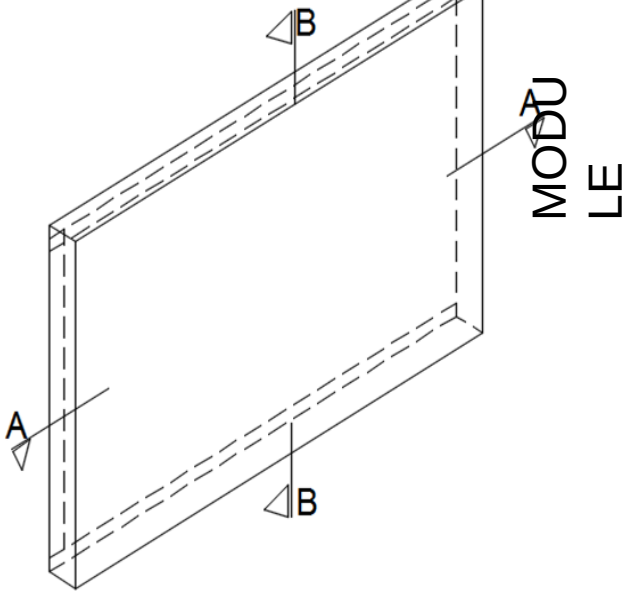
SCREEN PANEL G PANEL J



SCREEN



SCREEN PANEL C



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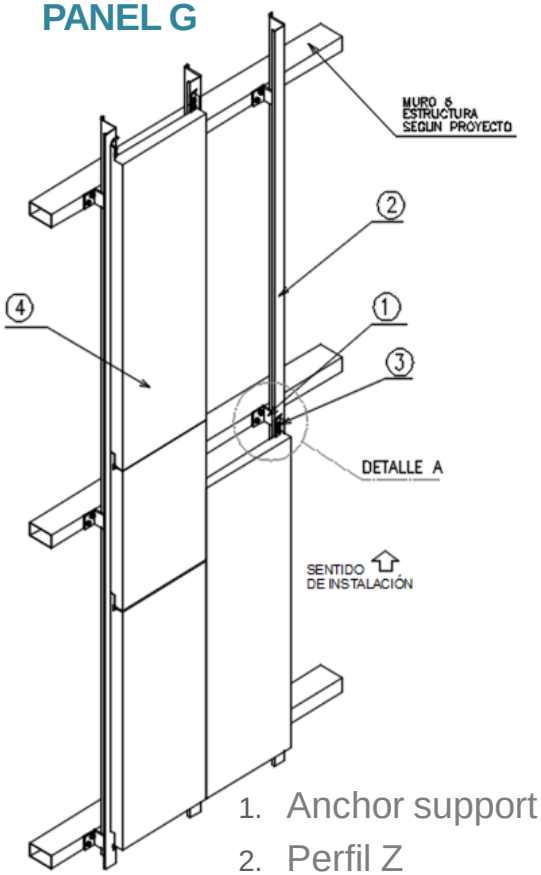
INSTALATION SYSTEM

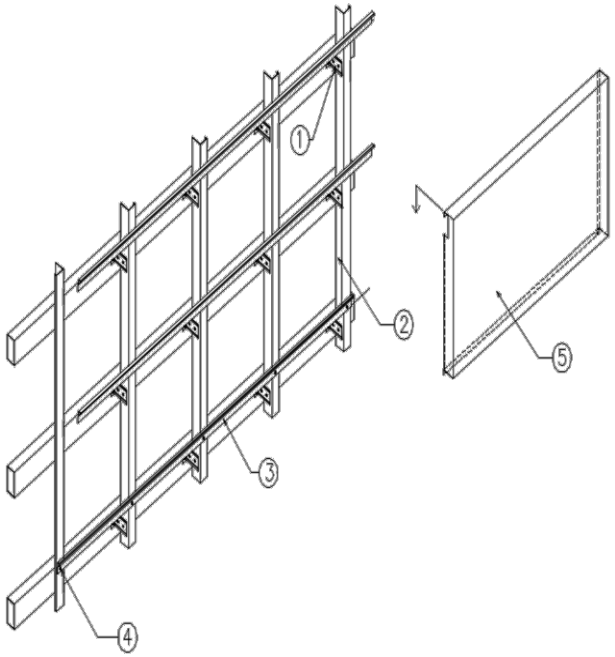
ALL THIS SYSTEMS NEED A SUBSTRUCTURE TO SUPPORT THE PANELS

SCREEN PANEL G



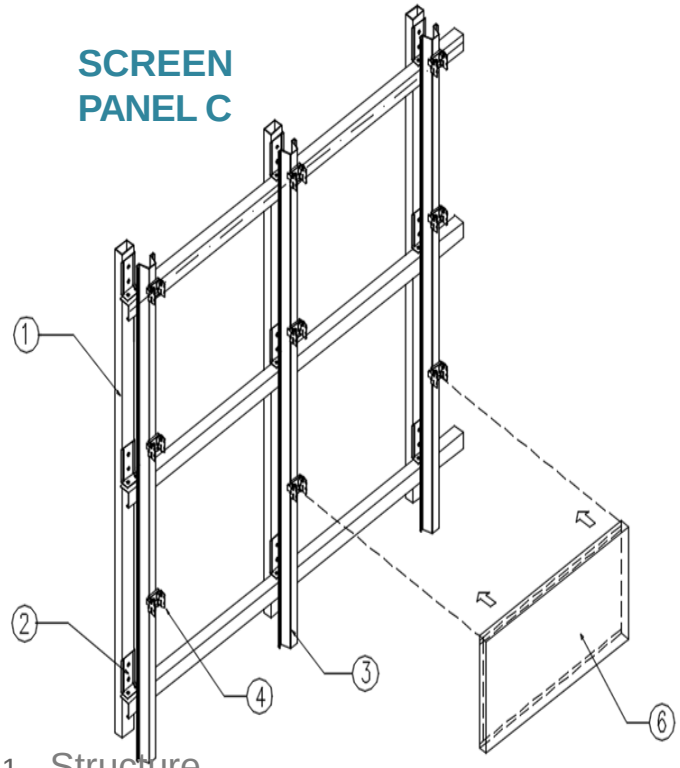
1. Anchor support
2. Perfil Z Screenpanel
3. Support guide
4. Screenpanel G panel

SCREEN PANEL J



1. Anchor Support
2. Mullion Profile
3. "J" Profile
4. Self-tapping screw
5. Panel Screenpanel J

SCREEN PANEL C



1. Structure
2. Anchor Support
3. Omega Profile
4. Screenpanel Cassette Support
5. Plastic guide
6. Screenpanel Cassette Panel

PROJECTS

SCREEN PANEL G



SCREEN PANEL J



SCREEN PANEL C

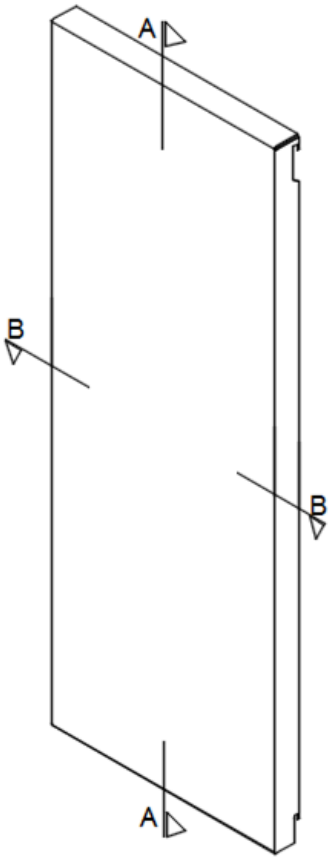


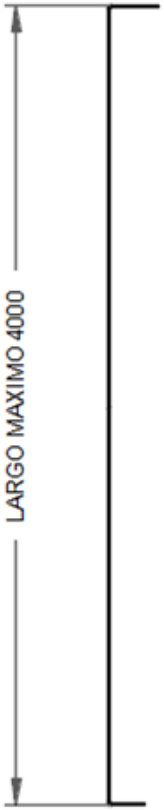
HunterDouglas® / SCREENPANELXL

PANEL CHARACTERISTICS

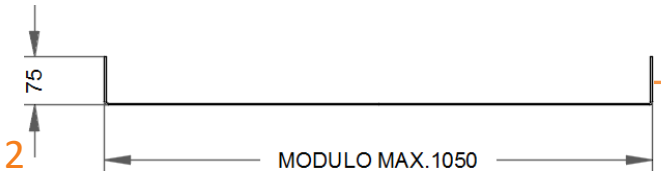
BIG SIZE Max width 1050 **mm/** Max width 4000 **mm**

HIGHT THICKNESS **2 Az. Galv. –3 mm Al**





Corte A-A

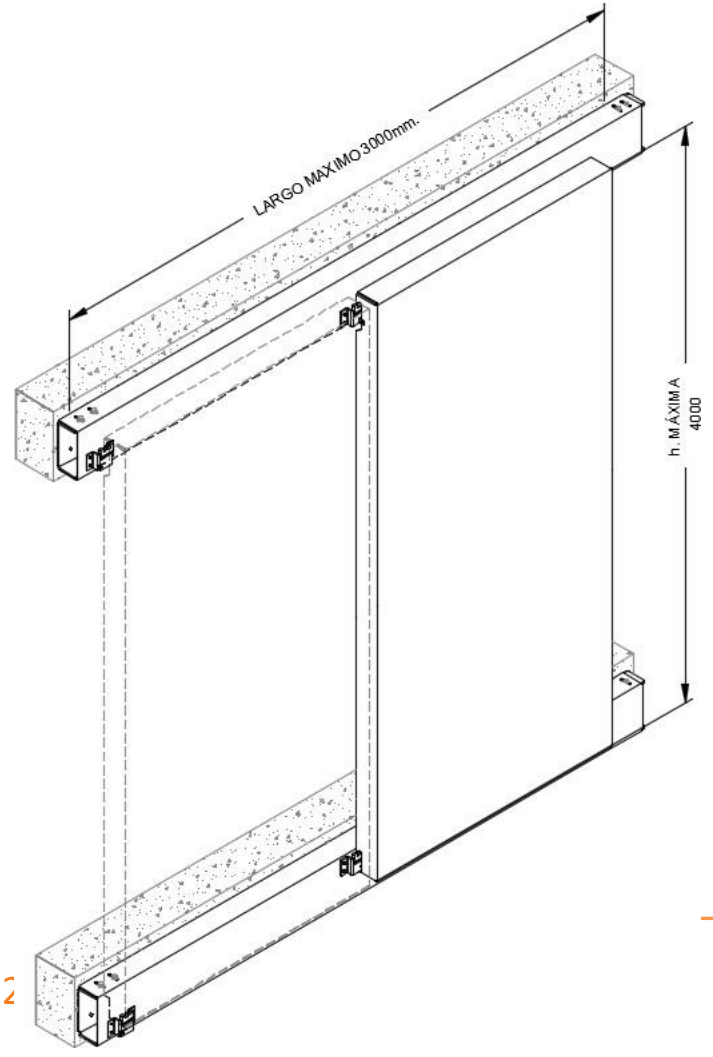


Corte B-B

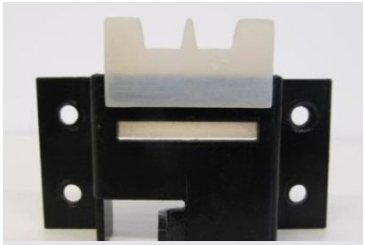


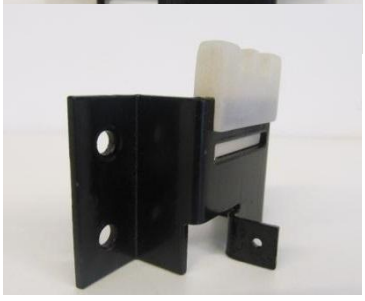
FIXATION SYSTEM

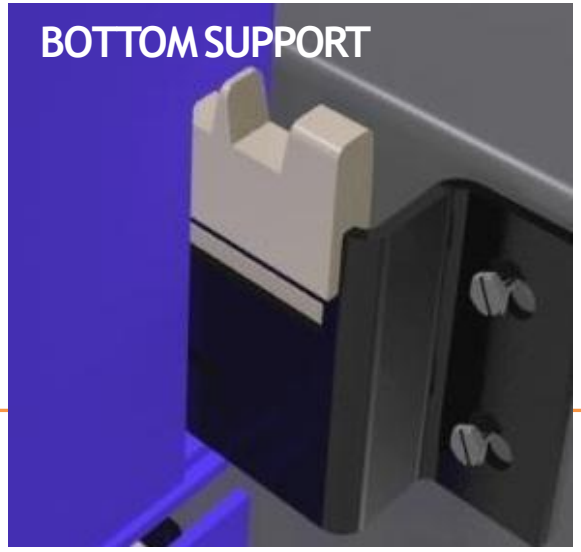
THIS SYSTEM DOES NOT REQUIRE ADDITIONAL SUBSTRUCTURE CAN BE MOUNTED BETWEEN SLABS













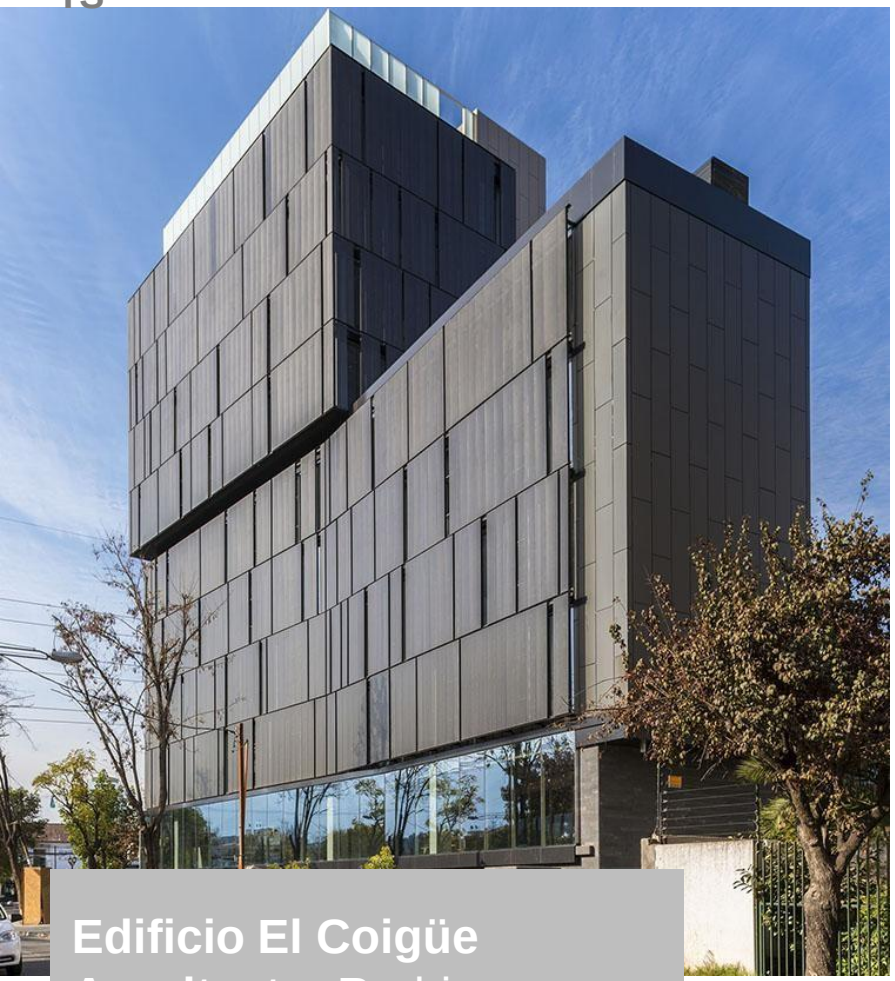


PROJECTS

Synthon
Arquitecto: Guillermo Hevia Arquitectos Asociados



PROJECTS





Edificio El Coigüe
Arquitecto: Rodrigo Larraín



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Transantiago / Loreto Whar

ScreenPanel Acero Corten

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Colegio Amanecer Talcahuano
BLG Arquitectos
ScreenPanel G

PROJECTS

Villahermosa
Architect: TEN Arquitectos





PROJECTS



PROJECTS

Edificio Carozzi

Guillermo Hevia ArquitectosAsociados

SCREENPANEL PERFORACION ESPECIAL

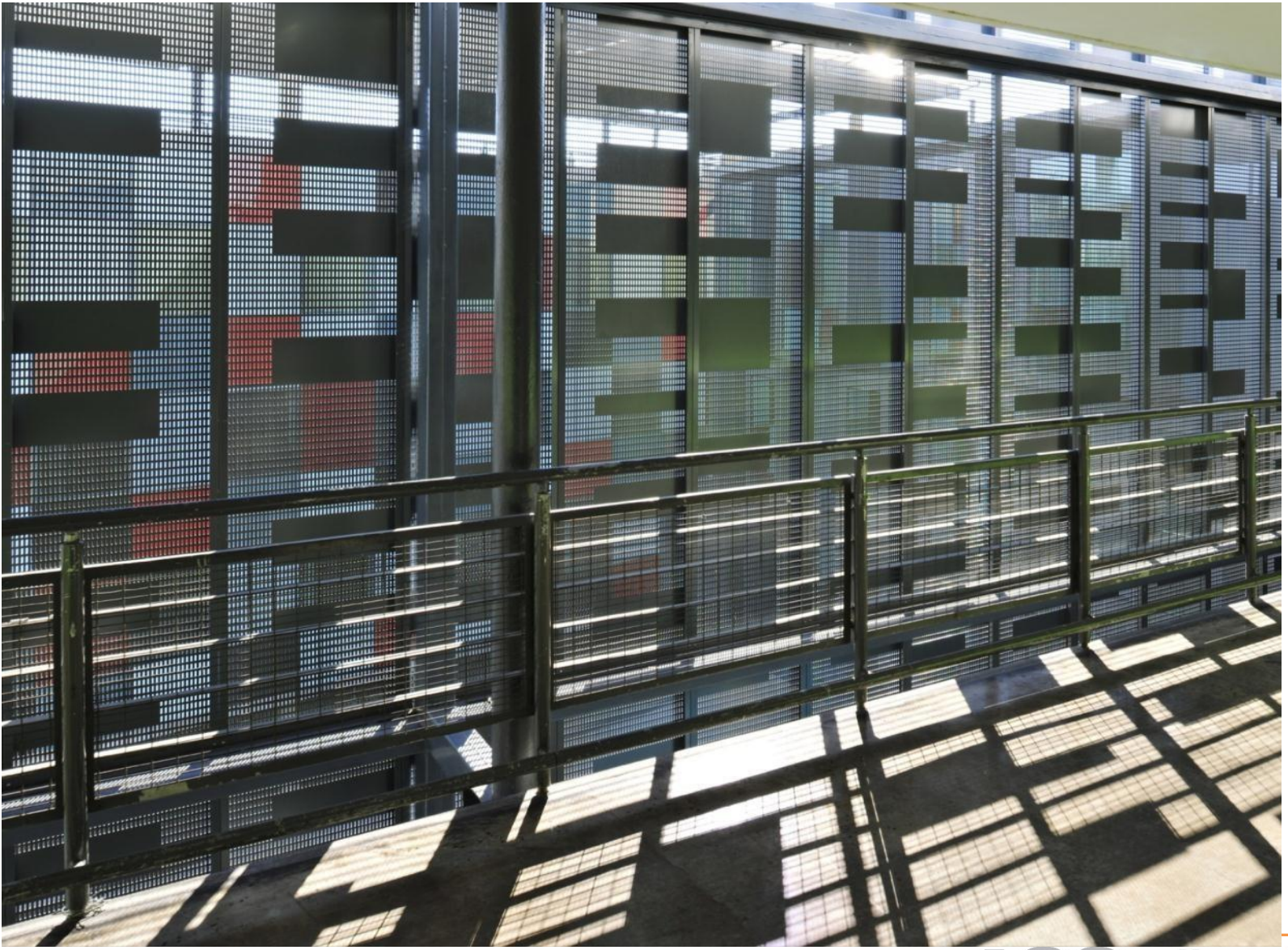






UDP, Fac. Arquitectura / Ricardo Abuauad

Screenpanel



Stripcenter El Rodeo / IVI Arquitectos

Screenpanel perforado







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PDE
Panama Diamond Exchange


PDE



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PDE
Penarna Diamond Exchange











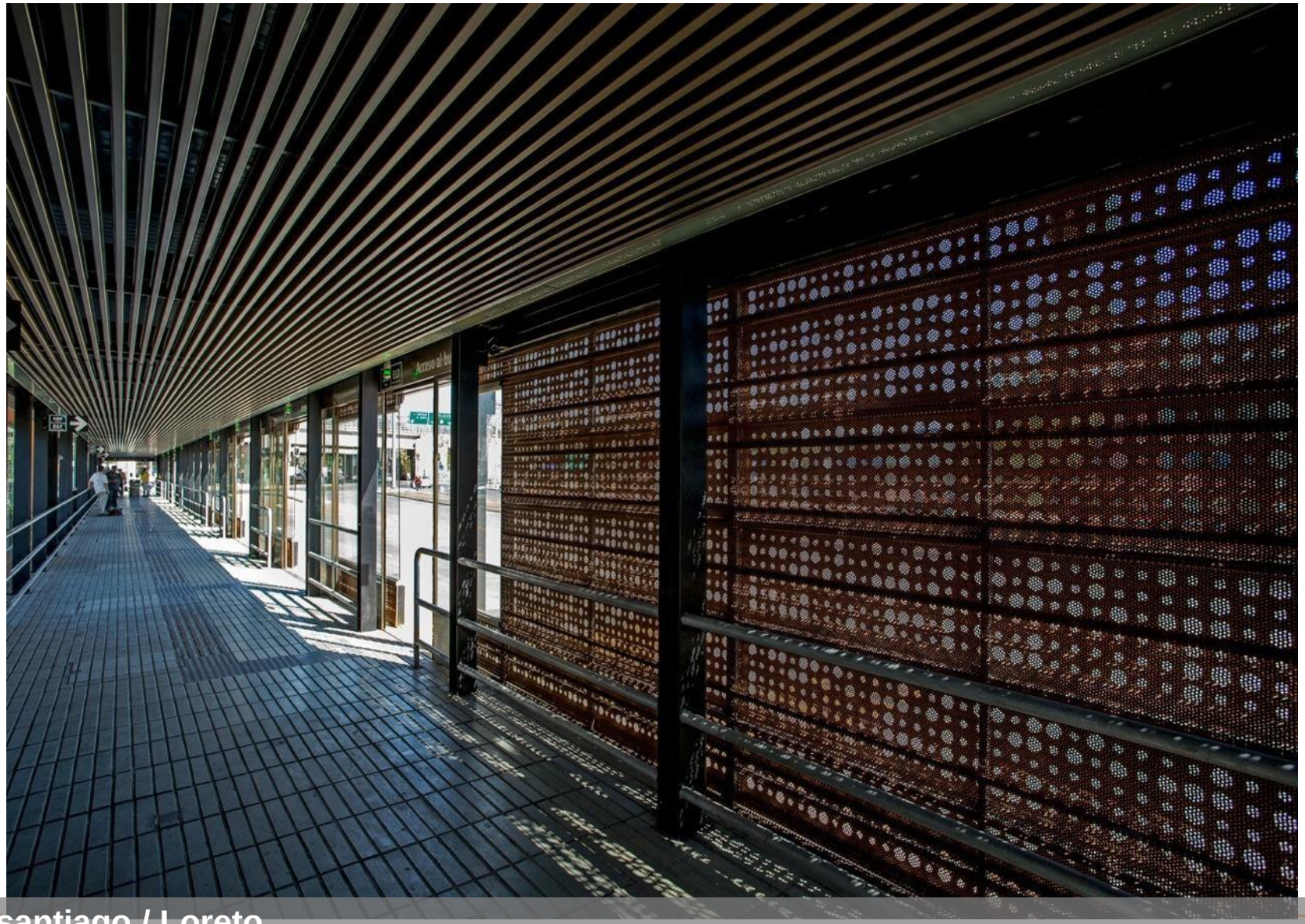

Transantiago / Loreto

Whar Screen Panel

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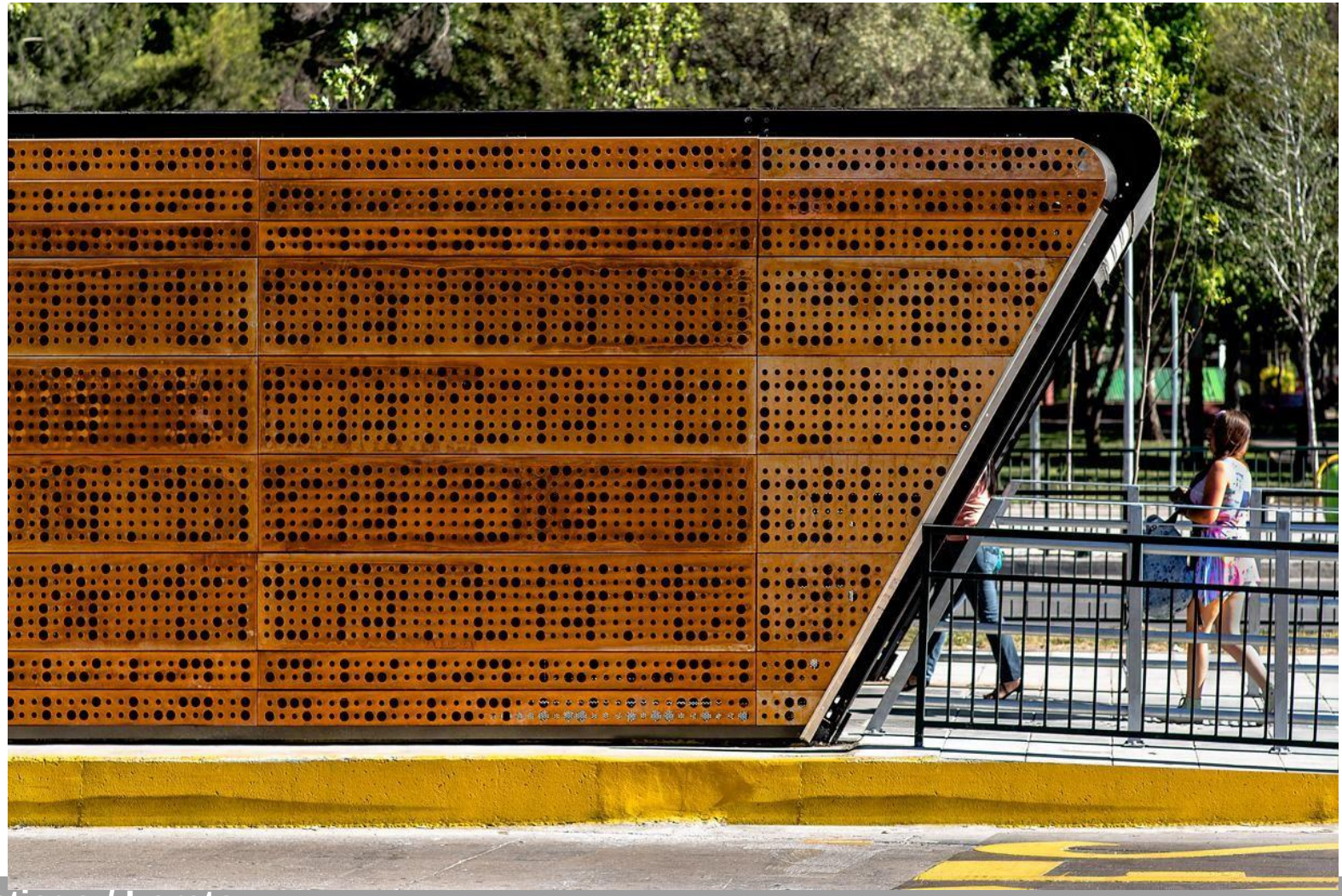
HunterDouglas®



Transantiago / Loreto

Whar_Screen Panel


HOMERO
1500

HunterDouglas®



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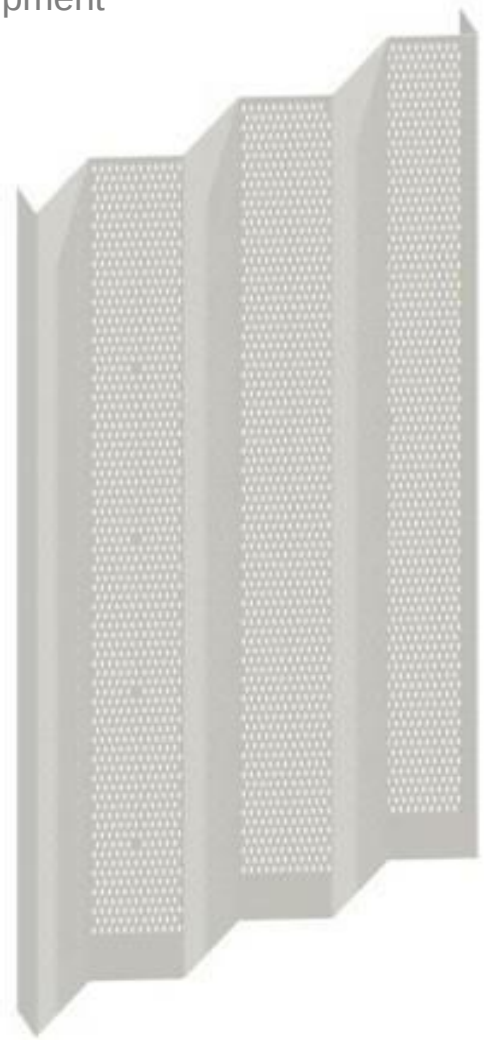
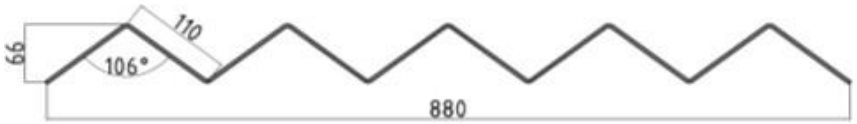
HunterDouglas®

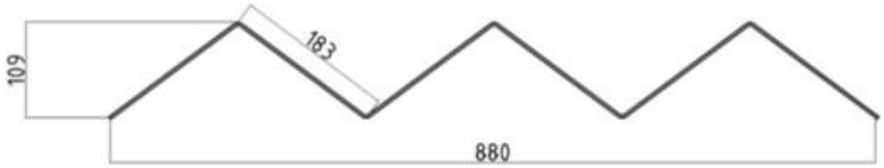


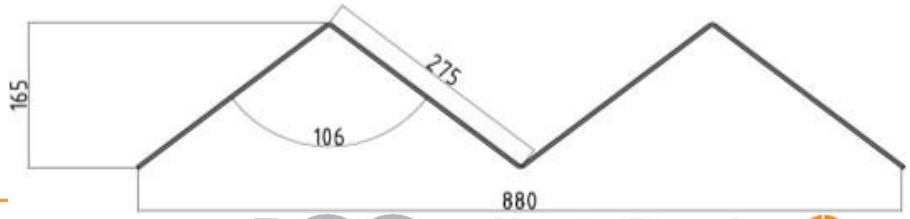
PANEL CHARACTERISTICS

Different modulations according to the projec t./ 1200mm maximum development









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/ SCREENPANELXL-W

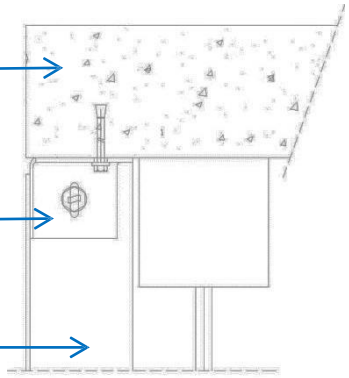
FIXATION SYSTEM

BETWEEN SLABS

STRUCTURE BY PROJECT

SCREENPANEL XL-W SPECIAL SUPPORT

SCREENPANEL XL-W

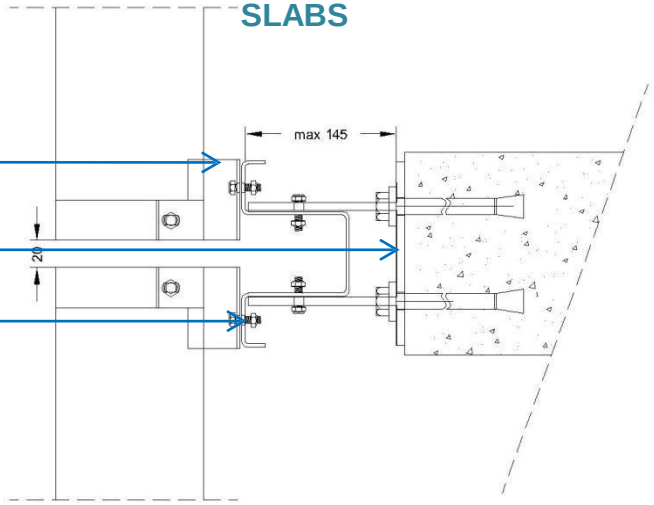


HEAD SLABS

SCREENPANEL XL-W SUPPORT

ANGLE BRAKET

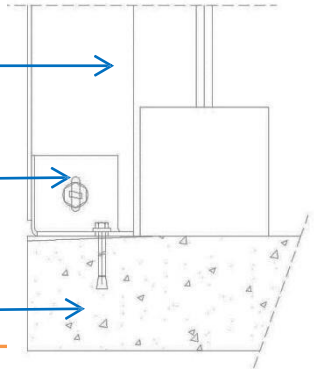
OMEGA PROFILE



SCREENPANEL XL-W

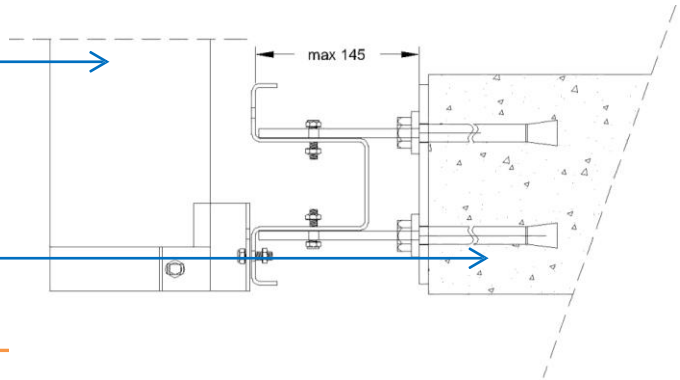
SCREENPANEL XL-W SPECIAL SUPPORT

STRUCTURE BY PROJECT



SCREENPANEL XL-W

STRUCTURE BY PROJECT



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HunterDouglas® / SCREENPANELXL-W

PROJECTS

Edificio Claro
Arquitecto: Rodrigo Larraín





1919–2019 anniversary

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PROJECTS

INACAP
Arquitecto: GRAA Arquitectos + Guillermo Rosendey Arquitectos Asociado







SCREEN PANEL XL - W / Edificio Claro



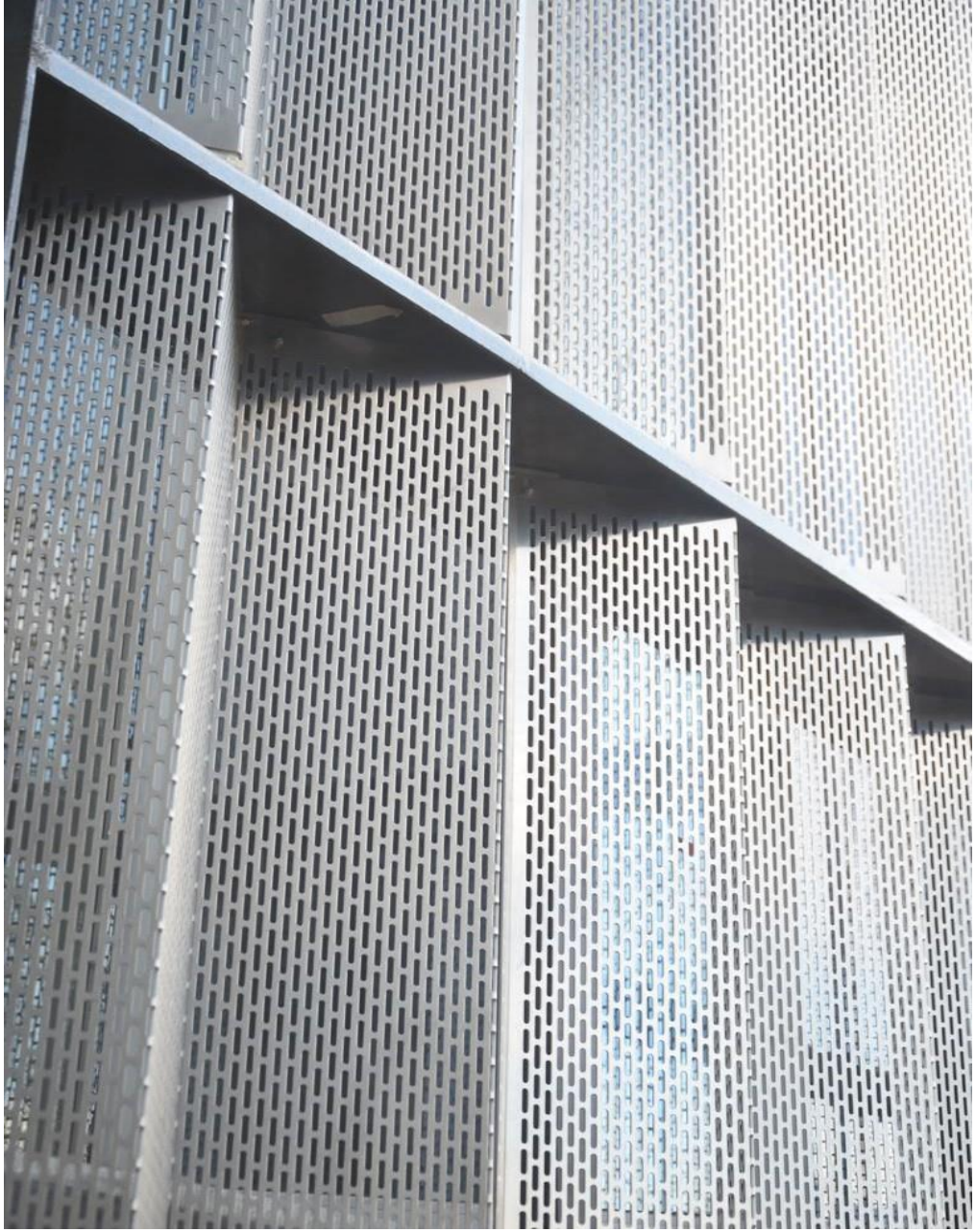
SCREEN PANEL XL - W / Edificio Claro


SCREEN PANEL XL - W / Edificio Claro


SCREEN PANEL XL - W / Edificio Claro

HunterDouglas®

/ SCREENPANELXL-W



SCREEN PANEL XL - W /
Edificio Claro

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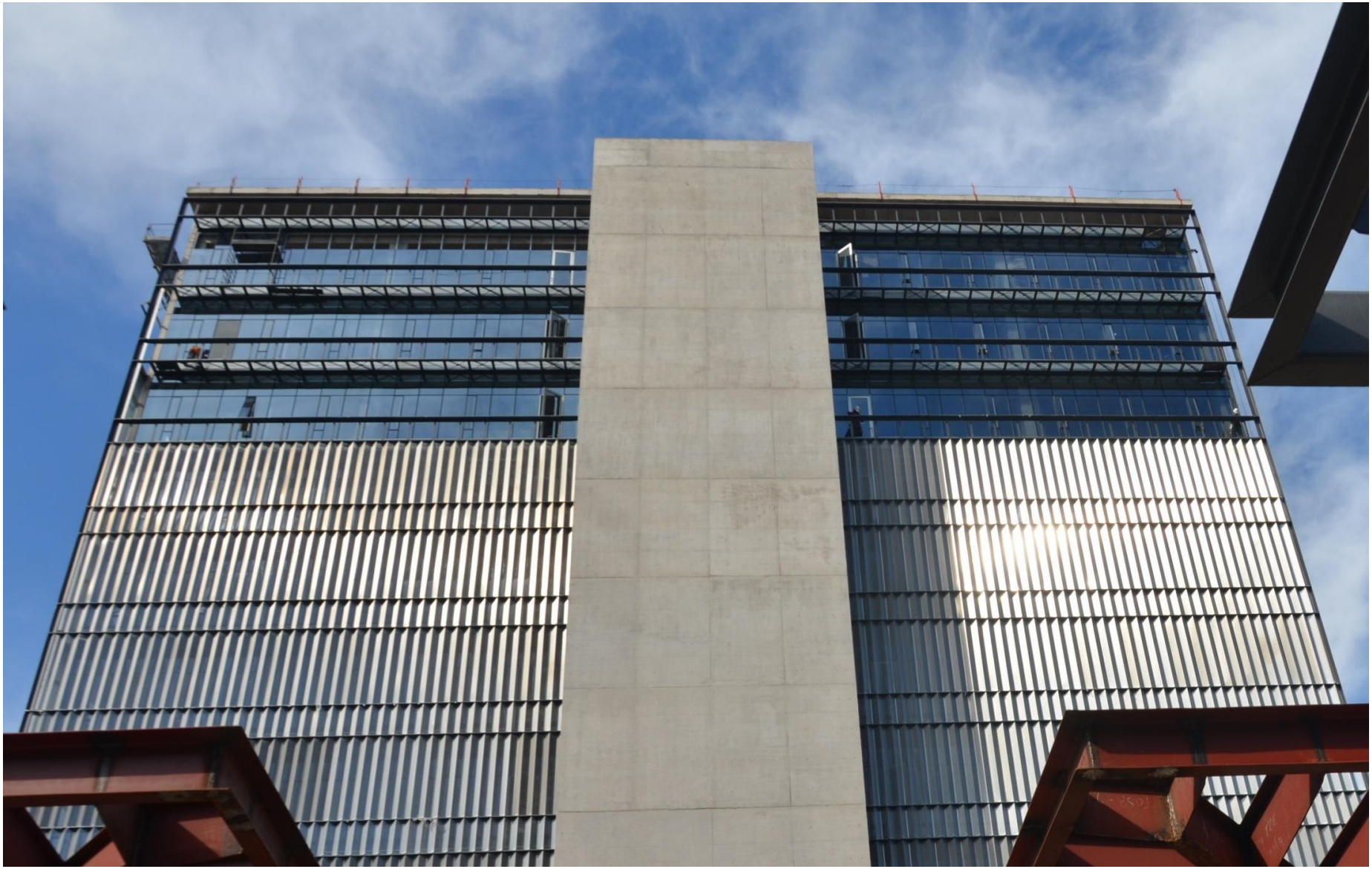
SCREEN PANEL XL – W Ædificio Claro



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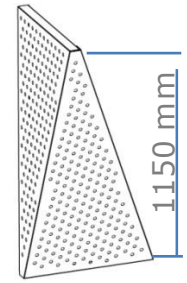
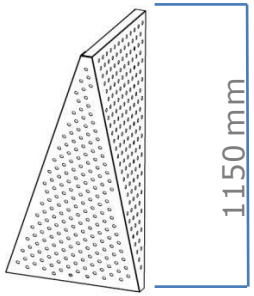
/ SCREENPANEL XL-Q

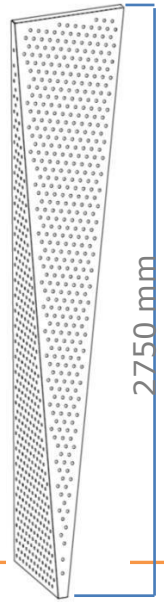
PANEL CHARACTERISTICS



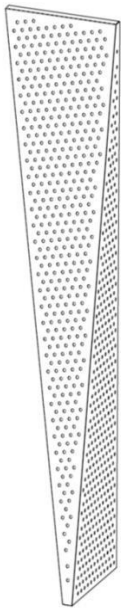
LEFT UPPER PANEL



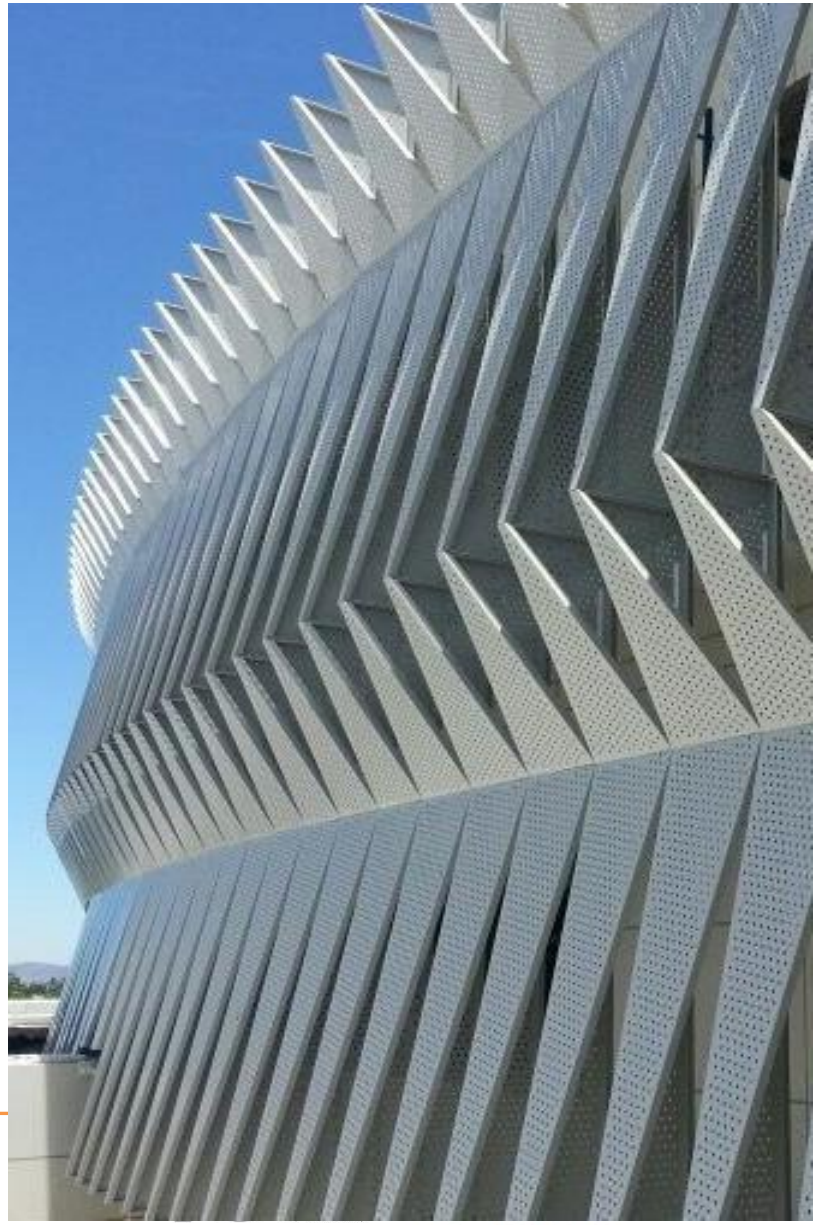
RIGHT UPPER PANEL



LEFT BOTTO PANEL



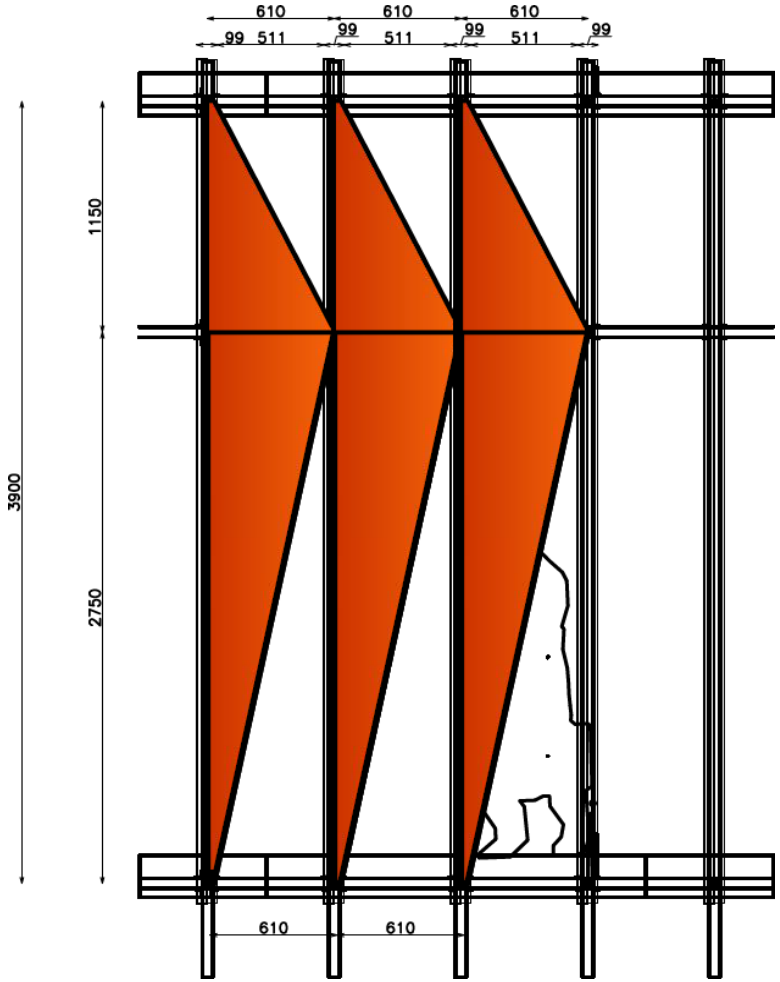
RIGHT BOTTOM PANEL

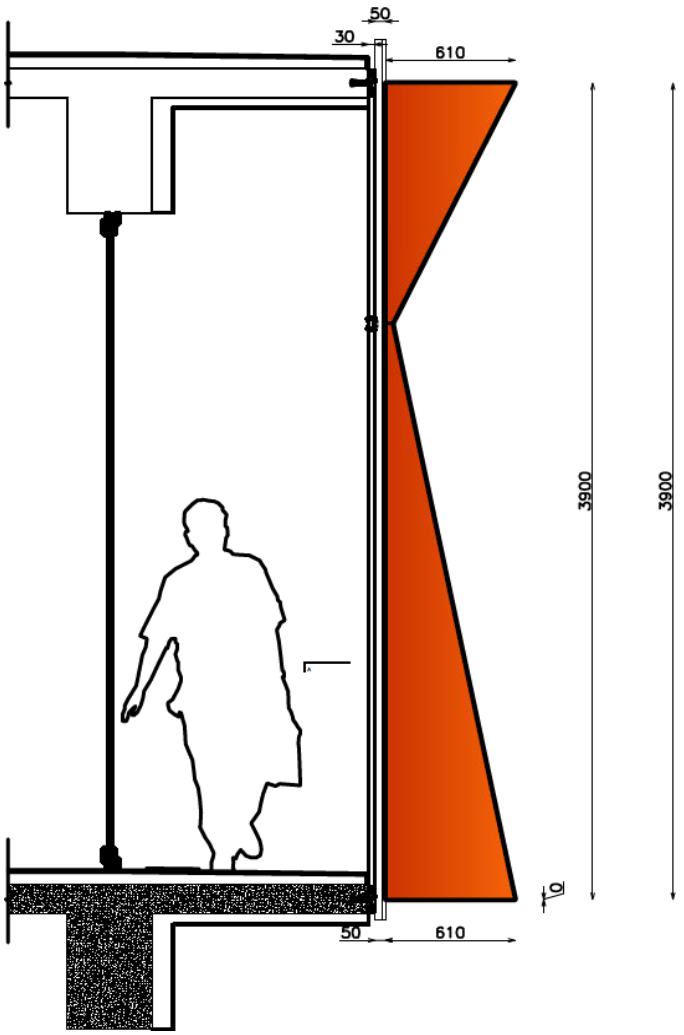




Hospital de Rancagua / Antonio Lipthay
Screen Panel twist

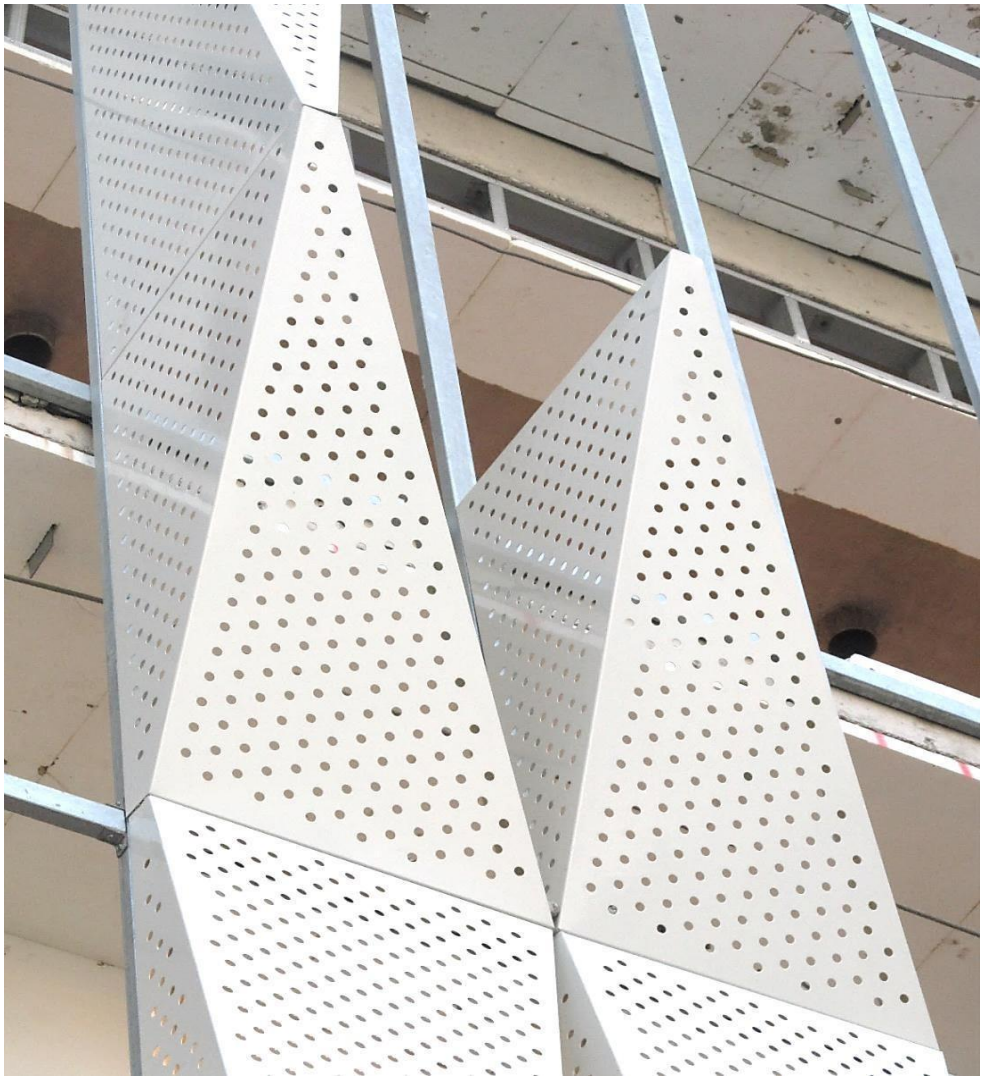
INSTALATION SYSTEM





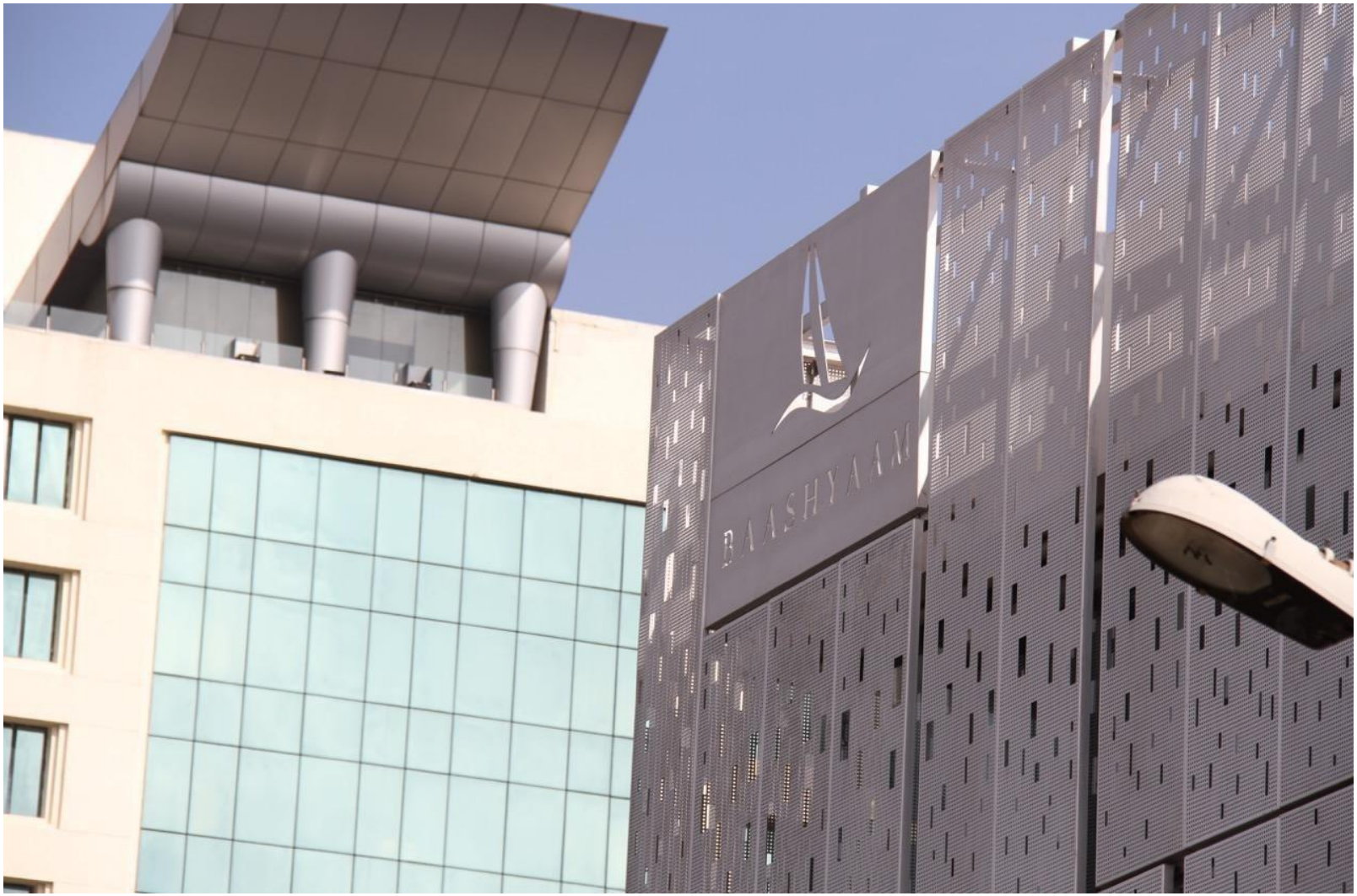
1919–2019 anniversary
HunterDouglas Architectural

PROJECT





PROJECT



PROJECT



PROJECT



PROJECT



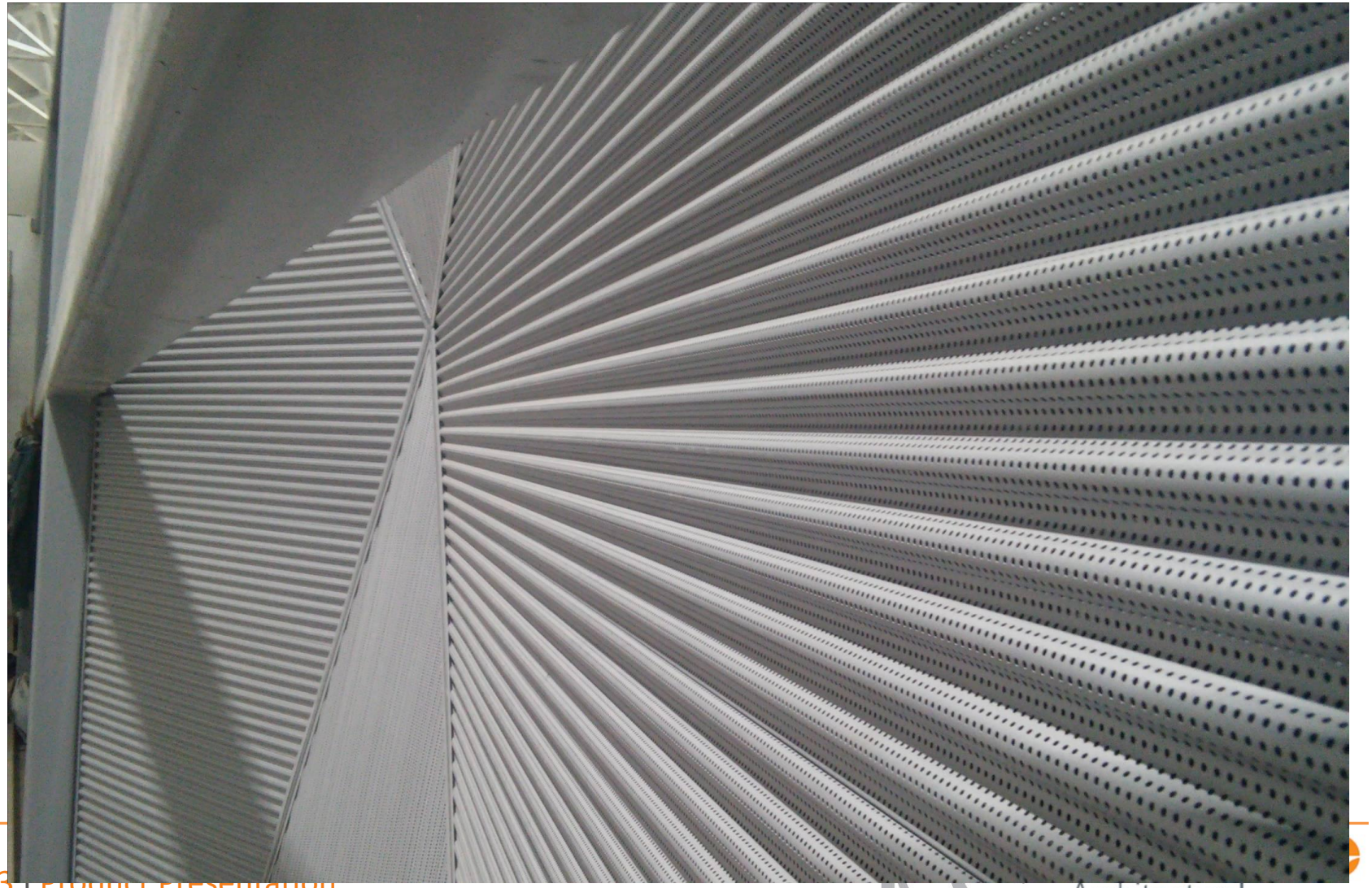
PROJECT: BAJAJ AUTO R&D CENTRE, PUNE



PROJECT: BAJAJ AUTO R&D CENTRE, PUNE



PROJECT



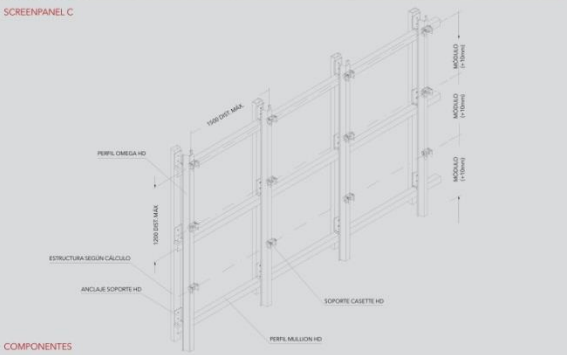
PROJECT




MINIWAVE

INSTALACIÓN

SCREENPANEL C



COMPONENTES

SOPORTE SCREENPANEL CASETTE
ACERO GALVANIZADO 1,6mm





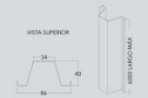
GUÍA PLÁSTICA PLÁSTICO 8mm



ANCLAJE SOPORTE ALUZINC 1,2mm



PERFIL OMEGA HD ACERO GALVANIZADO 0,85mm

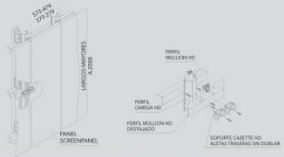


PERFIL MULLION HD ALUZINC





ISOMÉTRICA APOYO CENTRAL PANEL SCREENPANEL C INSTALACIÓN VERTICAL



PERFORACIONES



PATRÓN DE PERFORADO BASADO EN IMÁGENES



420 PATRÓN DE PERFORADO RANDOM

Nota: Los componentes del producto de esta ficha están en constante proceso de innovación y desarrollo, por lo que pueden estar afectos a modificaciones. Las medidas informadas en esta Ficha Técnica están expresadas en milímetros (mm). Para garantizar el correcto funcionamiento del producto, la instalación deberá ser siempre ejecutada por un distribuidor autorizado, utilizando todos los accesorios definidos según especificaciones técnicas de Hunter Douglas.

SCREENPANEL







HunterDouglas

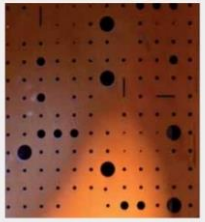
FACHADAS | CONTROL SOLAR

Marzo 2013



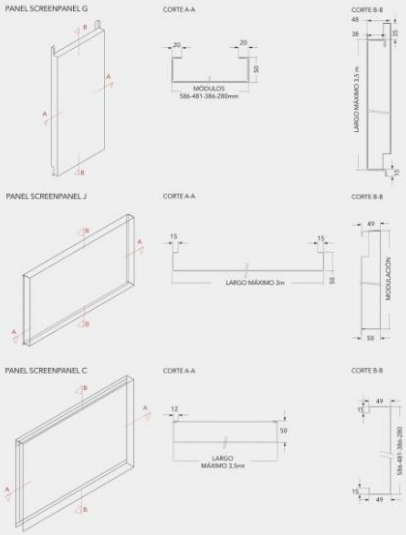
SCREENPANEL
Control solar | Fachadas






ScreenPanel es un producto de una sola piel que permite revestir fachadas, se puede instalar en forma vertical u horizontal. Este producto tiene la particularidad de poder ser perforado con tecnología de control numérico de acuerdo a diseños de figuras o perforados random que el propio cliente puede crear, lo que proporciona una excelente flexibidad al producto.

Existen 3 versiones de ScreenPanel dependiendo del tipo de aplicación:
- ScreenPanel G: aplicación vertical sin cantería
- ScreenPanel J: aplicación horizontal sin cantería
- ScreenPanel C: aplicación vertical u horizontal con cantería de 10 mm



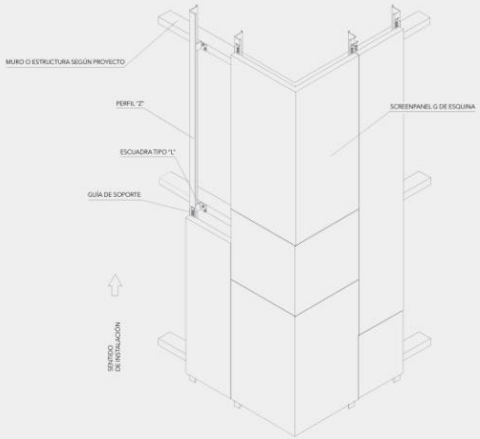
DESCRIPCIÓN TÉCNICA

MÓDULOS (medida a la cara)	MEDIDA A EJE SCREENPANEL G Y J	MEDIDA A EJE SCREENPANEL C	ALUZINC (espesor)	ALUMINIO (espesor)	COBRE (espesor)	VMZINC (espesor)	ACERO CORTEN (espesor)
586	589	596	1-1,2mm	1,5mm	2mm	——	1,9mm
481	484	491	1mm	1,5mm	1,5mm	——	1,9mm
386	389	396	0,8mm	1mm	1mm	——	1mm
280	283	290	0,8mm	1mm	1mm	0,7mm	1mm

- Colores: Más de 100 colores estándar y especiales a pedido
- Terminación: Lisa o perforada
- Usos: Revestimiento horizontal
- Largo máximo: ScreenPanel J: 3 m
  ScreenPanel C y G: 3,5
- Rendimiento: Variable según módulo
- Otros materiales disponibles: Aluzinc, acero corten, aluminio y cobre

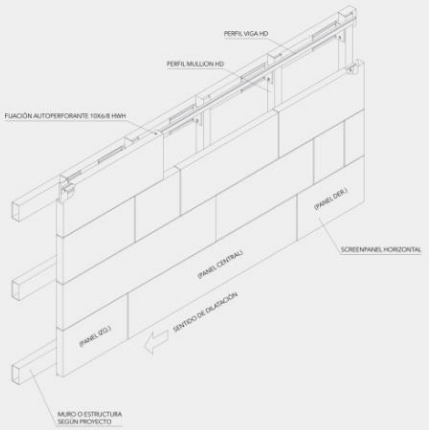
INSTALACIÓN

SCREENPANEL G

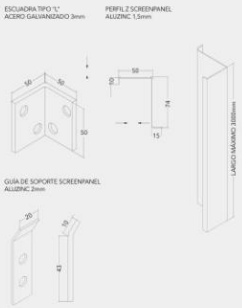


INSTALACIÓN

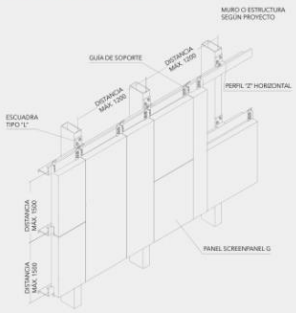
SCREENPANEL J

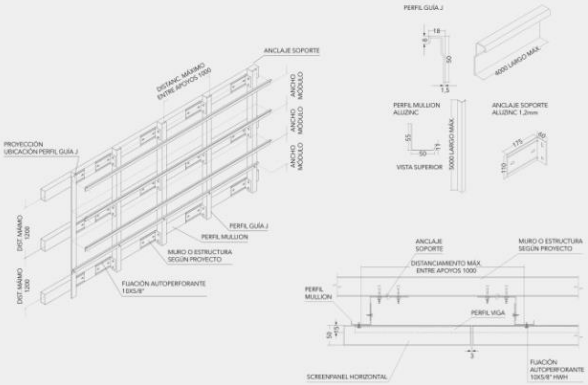


COMPONENTES



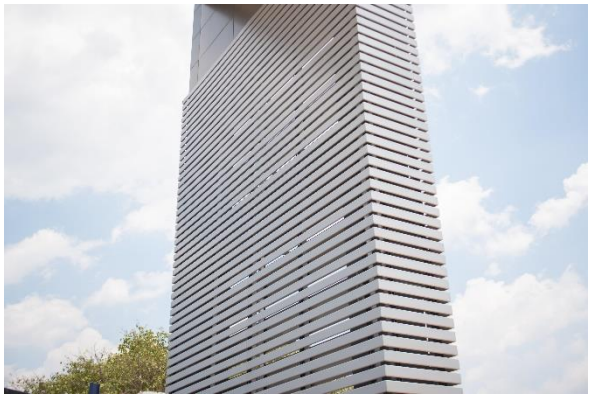
OPCIÓN: SOPORTE HORIZONTAL





100 1919~2019 anniversary
HunterDouglas Architectural








ESR | GMR
INDUSTRIAL & LOGISTICS PARK
HYDERABAD

Hunter Douglas Ceiling

Proposal for Airport

Cochin International Airport, India
300C Wide Metal ceiling



Kempegowda International Airport, India
300mm wide custom made double curve ceiling



Kempegowda International Airport, India
300mm wide custom made double curve ceiling



Hyderabad International Airport, India
Custom made Linear curved ceiling



Hyderabad International Airport, India
Honeycomb Wall Panel System



Delhi T3 International Airport, India
Honeycomb Ceiling Panel System



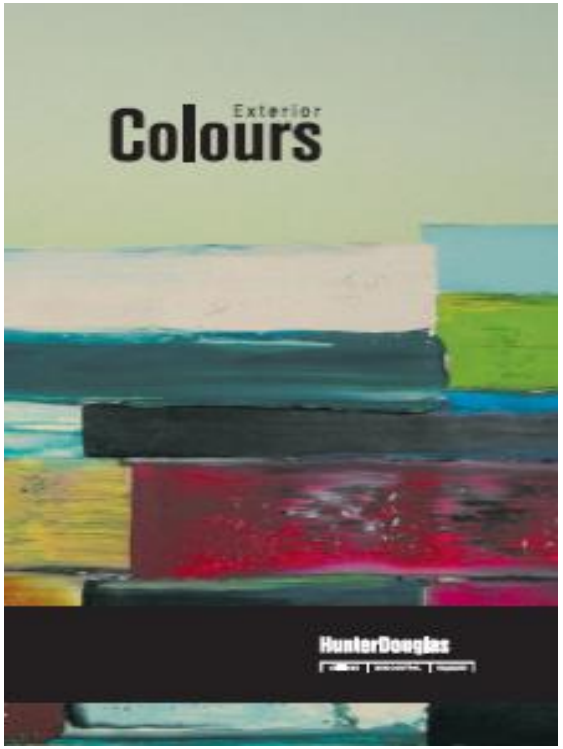
Terminal 1D, Indira Gandhi International Airport, New Delhi, India
300C Wide Ceilings System

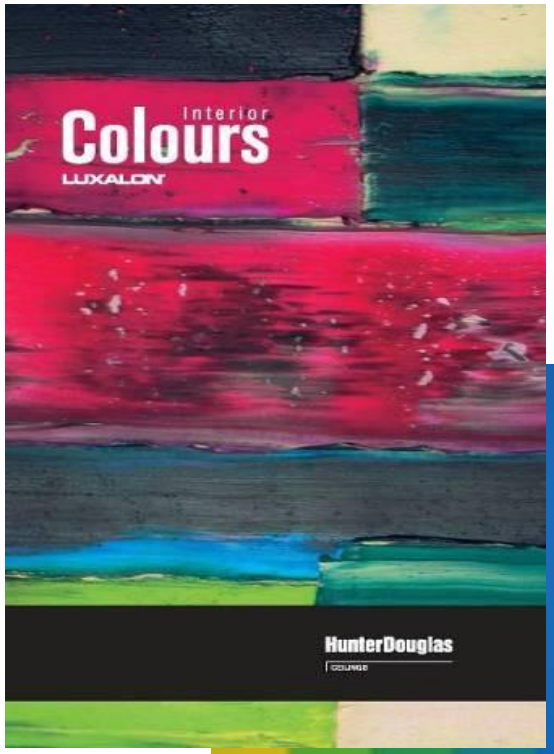


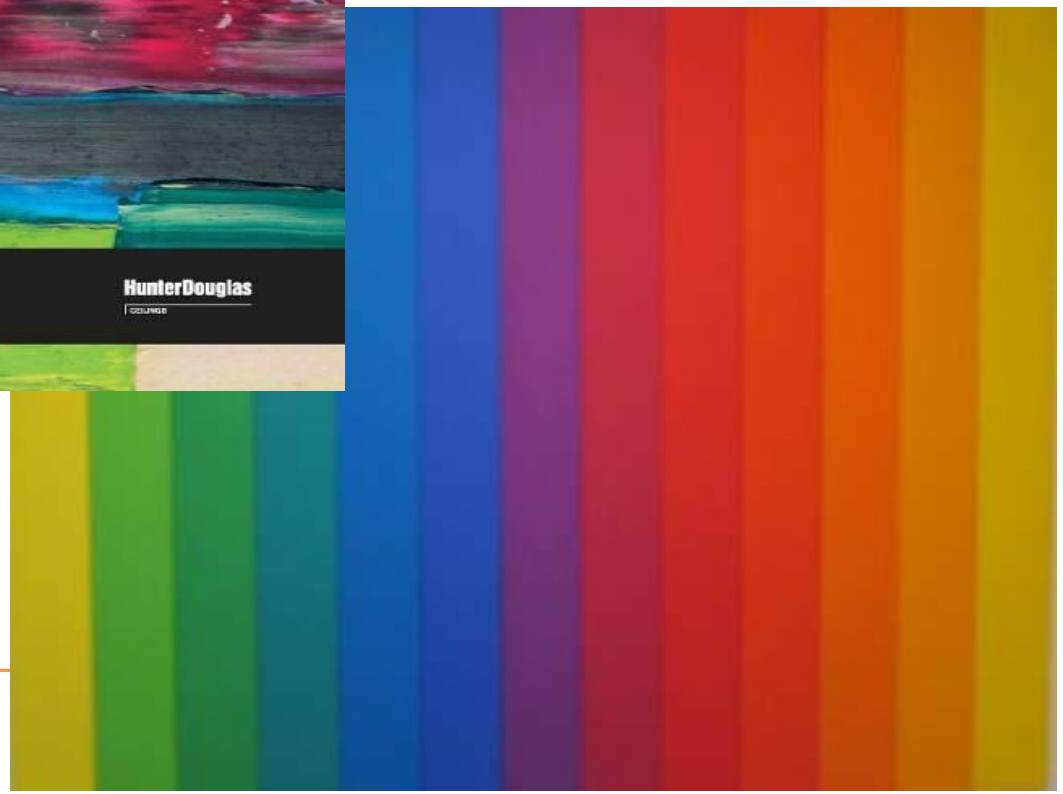
Goa Airport
600 x 1200, EG Steel Powder Coated Swing Down Plank Ceiling



Standard Precoated Finishes







HunterDouglas Ceilings, Sun Control & Façades Systems

Innovative products
make Innovative projects

Hunter Douglas Architectural products has major operation centres in Asia, Europe, North America, Latin America and Australia. We create products that help architects and designers to bring their visions to life: Window Coverings, Ceilings, Sun Control Systems and Facades. We've contributed to thousands of high-profile projects, from retail and commercial facilities to airports and government buildings.

Design, Functionality and Comfort

With over 40 years of experiences, Hunter Douglas ceiling, sun control and façade add good design, functionality and comfort to buildings. We provides architects the knowledge and expertise to integrate ceiling systems, sun control systems and façade systems into the building architecture, enhancing the ceiling and façade while providing highly effective sun protection that so perfectly blend, function and form. Hunter Douglas's engineering team will continuously develop innovative and specific building solutions to meet the aesthetic and performance requirements as well as improving the building's comfort level with our excellent record of services to customers.

DESIGN

A) Hunter Douglas' range of ceiling solutions allow architects to explore designs with a variety of materials including **metal, textiles and wood**. Our wide range of systems, colours and finishes offer true freedom of design. All from a single source.

B) Our Sun control Systems are engineered for vertical, angled or horizontal applications, including fixed, operable and automated solutions to meet the requirements of any design, A **wide range** of system principles (fixed, sliding, rolling) and **materials** (aluminium, wood, glass) are available, as well as a variety of **shapes, sizes and finishes**.

C) Our facades offer an unparalleled degree of design **freedom**. The availability of custom shapes, curved and tapered panels, a variety of joint options and an extensive range of colours and materials ensures that our products' appearance are just as impressive as their performance.

FUNCTIONALITY

We develop our ceiling, sun control and façade products as **systems**, integrated combinations of panels and substructures for the ceiling and sun control to integrated windows, doors and substructure for façade. Architects can evaluate all aspects of the ceilings, sun control and façade from the visible surfaces to the construction and decide what will work best for them. Our systems can be **customized** to fit their needs often without costly adaptations. Our integrated, customizable systems allow freedom of design while reducing the cost of failure.

We are committed to **quality**. We have expertise and a long history of success at every stage of the manufacturing process from processing raw materials to manufacturing and finishing panels, to installation and maintenance. All products are extensively tested for corrosion resistance, insulation, ventilation, fire resistance and wind load performance, ensuring that our systems continues to look good and perform well over time.

COMFORT

Every part of a building works together to create a comfortable, healthy and productive environment for those inside. For the internal, Hunter Douglas ceiling products help architects to **control noise**, improve interior **air quality** and even manage **light and heat**.

While for exterior, the sun control and façade systems, can significantly improve the **performance and comfort** level of a building. Not only do sun control and facades protect the building against noise and the sun, but they also shield walls and windows from rain, wind and snow keeping a more consistent interior temperature and humidity level.



Our Luxacote® finish is specifically designed to withstand the severe external conditions. The topcoat contains a solid UV filter, which guarantees perfect colour and gloss stability. This topcoat provides resistance against scratches and abrasion while the alloy and pre-treatment ensure corrosion resistance. Luxalon® products have been subjected to extensive laboratory and real-world testing to ensure the highest quality.



Worldwide recognition for Airports

Luxalon products have been used in the construction of airports worldwide as per following:

AIRPORT	COUNTRY
Sydney	Australia
Brisbane	Australia
Perth	Australia
Melbourne	Australia
Cairns	Australia
Townsville	Australia
Adelaide airport, South Australia	Australia
Al Muharaq	Bahrain
Belize City Airport	Belize
Viru Viru santa Cruz	Bolivia
Galeao Rio de Janerio	Brazil
Cumbica Sao Paulo	Brazil
Confins Belo	Brazil
Florianopolis	Brazil
Santiago old airport	Chile
Santiago new airport	Chile
Arica	Chile
Antofagasta	Chile
Arturo Merino Benitez Airport, Santiago	Chile
Aeropuerto Carriel Sur, Concepcion	Chile
Aeropuerto Capiapo, Copiapo	Chile
Aeropuerto Iquique, Iquique	Chile
Aeropuerto Punta Arenas, Punta Arenas	Chile
Beijing	China
Beijing Capital International TB1	China
Beijing Capital International TB2	China
Beijing Capital International TB3	China
Qingdao	China
Guangzhou White Swan	China
Shanghai Hongqiao	China
Dalian Zhouzishui airport	China
Changchun Longjiabao airport	China
Tianjin Binhai International airport	China
Xiamen Gaoqi International airport	China
Fuzhou Changle International airport	China
Shenzhen airport	China
Kunming Airport	China
Shanghai Pudong International Airport	China
Nanjing Airport	China
Chengdu Shuangliu airport	China
Guangzhou International airport	China
Huhehaote Batui International Airport	China
Bogota	Colombia
Cali	Colombia
Barrangquilla	Colombia
Bucaramanga	Colombia
Cucuta	Colombia
Pereira	Colombia
Cairo	Egypt
Lyon Satolas	France
Bordeaux	France
Marseille marignane	France
Nantes Chateau Bougon	France
Paris Orly	France
Paris CDG	France
Frankfurt East	Germany
Frankfurt West	Germany

Worldwide recognition for Airports

Luxalon products have been used in the construction of airports worldwide as per following:

AIRPORT	COUNTRY
Kai Tak International	Hong Kong
New Delhi	India
Bombay International	India
Bali International	Indonesia
Djakarta	Indonesia
Belfast	Ireland
Milano Linate	Italy
Milano Malpensa	Italy
Bergamo	Italy
Roma L. da Vinci	Italy
Beyrouth	Lebanon
Tripoli	Libya
Satellite A Building, Kuala Lumpur International Airport	Malaysia
Penang International Airport	Malaysia
Sultan Abdul Aziz Airport, Subang	Malaysia
Kuantan Airport	Malaysia
Tawau Airport, Sabah	Malaysia
Bintulu Airport, Sarawak	Malaysia
Miri Airport, Sarawak	Malaysia
Low cost terminal @Kota Kinabalu Airport, Sabah	Malaysia
Labuan Airport	Malaysia
Kuching International Airport, Sarawak	Malaysia
Kuala Trengganu airport	Malaysia
Kota Kinabalu International airport	Malaysia
Cancun	Mexico
Casablance	Morocco
Agadir	Morocco
Amsterdam Schiphol	Netherlands
Rotterdam Zestienhoven	Netherlands
Imo state	Nigeria
Lagos	Nigeria
Faro	Portugal
Cargo Doha	Qatar
Doha	Qatar
Riyadh Saudi	Arabia
Royal Saudi Airforce	Saudi Arabia
Medina	Saudi Arabia
Various civil airports	Saudi Arabia
Changi	Singapore
Cape Town D.F Malan	South Africa
Bloemfontein JBM Hertzog	South Africa
Kimberley BJ Vorster	South Africa
Port Eliz. HF Verwoered	South Africa
Kimpo	South Korea
Khartoum	Sudan
Zurich	Switzerland
London Heathrow	U.K
London Stansted	U.K
Birmingham	U.K
Al Ain International	UAE
Kampala	Uganda
O'Hare airport	USA
Laguardia airport	USA
Denver airport	USA
Wooster airport	USA
Myrtle Beach airport	USA
Ho Chi Min city	Vietnam
Zagreb	Yugoslavia



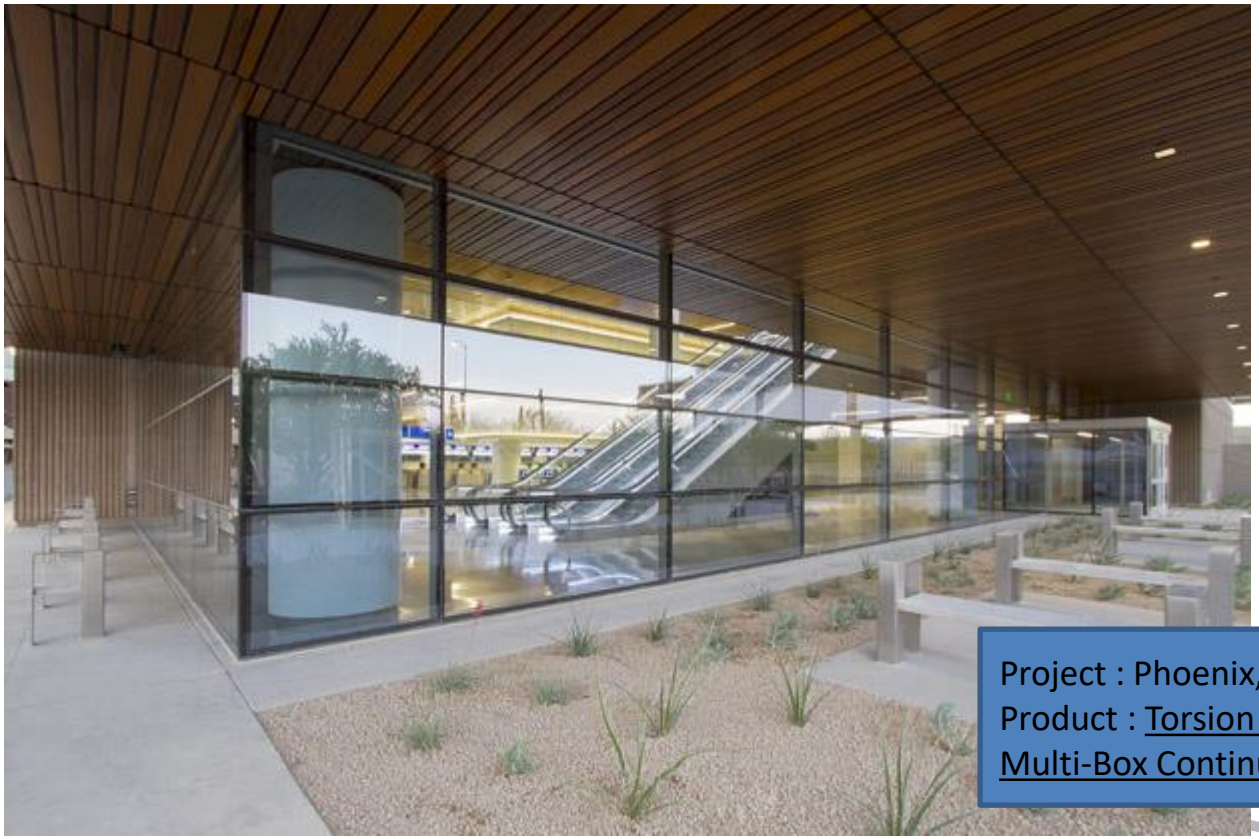
Project : Shanghai, China
Product : 180mm wide wood finish linear panel with 20mm filler profile.

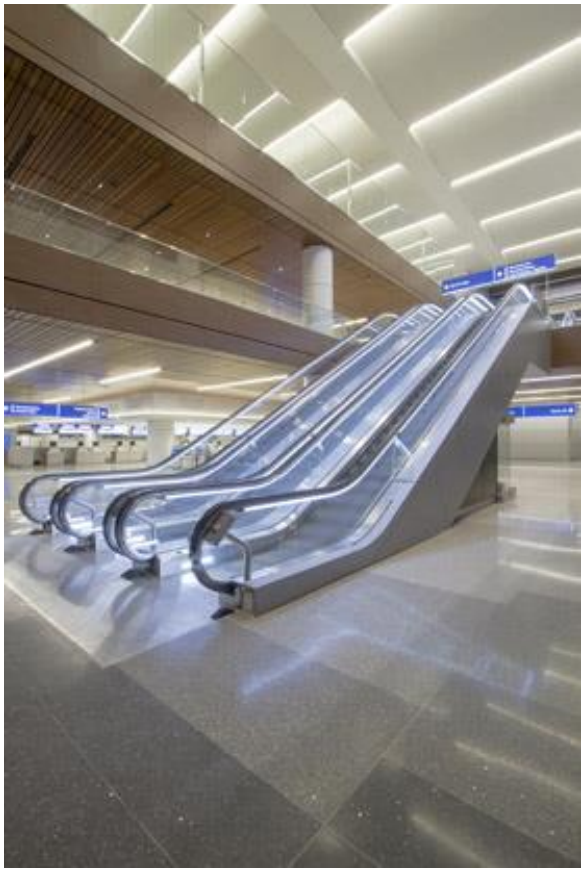


Project : Phoenix, AZ, United States
Product : Torsion Spring Segmented - Torsion Spring Multi-Box Continuous



Project : Phoenix, AZ, United States
Product : Torsion Spring Segmented - Torsion Spring Multi-Box Continuous



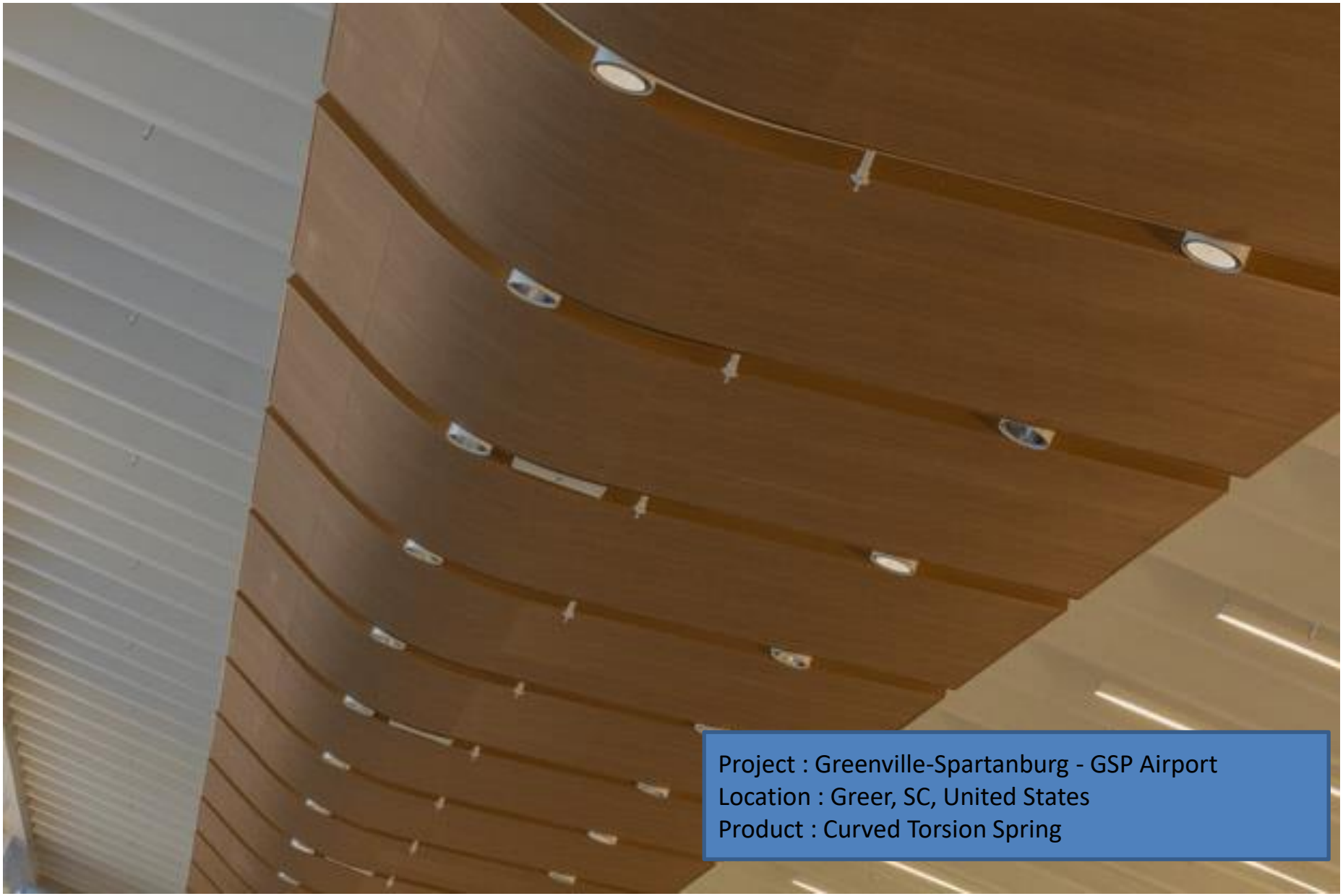


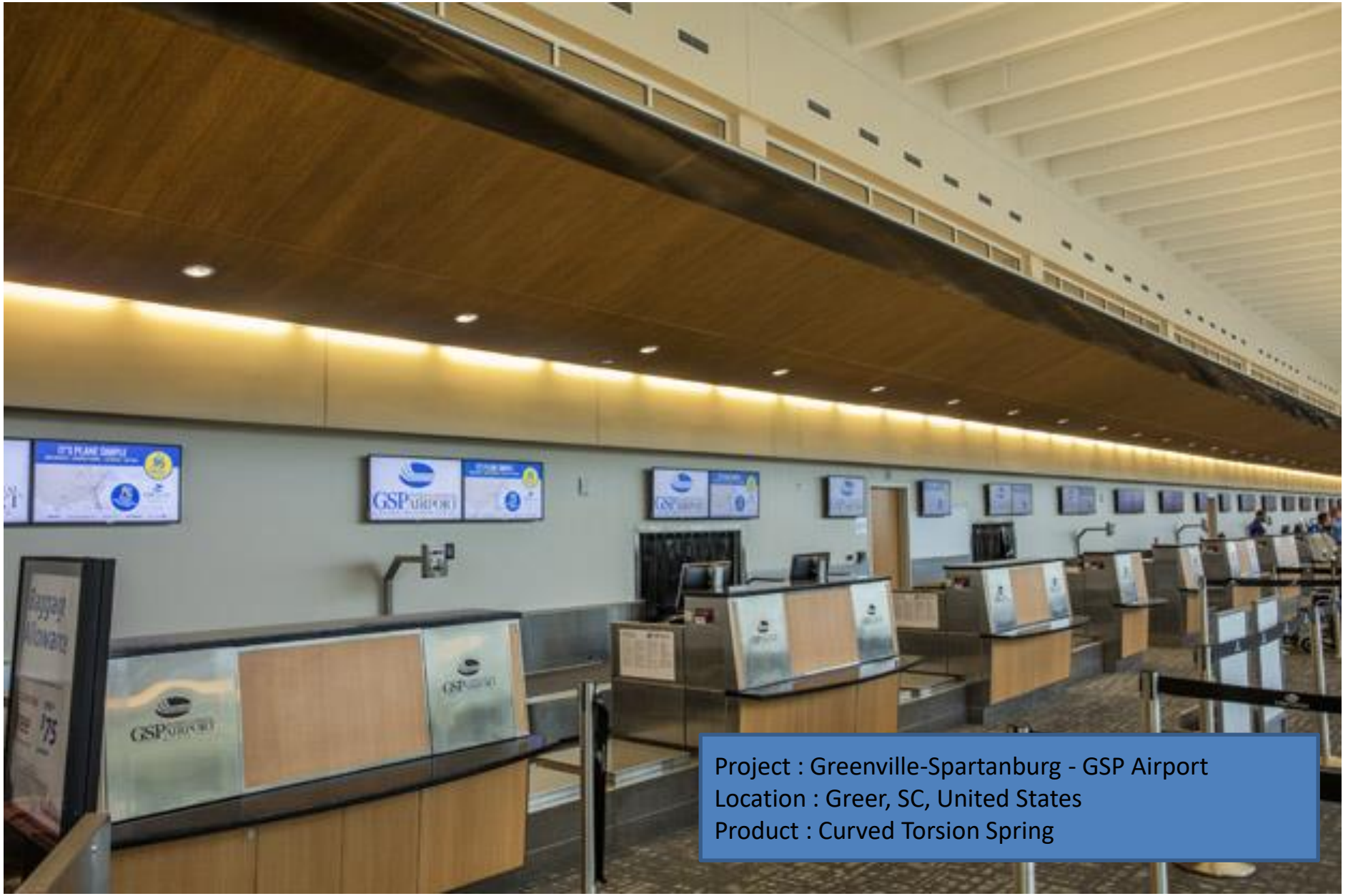
Project : Phoenix, AZ, United States
Product : Torsion Spring Segmented - Torsion Spring Multi-Box Continuous

1919–2019 anniversary

Architectural


Project : Greenville-Spartanburg - GSP Airport
Location : Greer, SC, United States
Product : Curved Torsion Spring


Project : Greenville-Spartanburg - GSP Airport
Location : Greer, SC, United States
Product : Curved Torsion Spring



Project : Greenville-Spartanburg - GSP Airport
Location : Greer, SC, United States
Product : Curved Torsion Spring

asia





Satellite 'A' Building, Kuala Lumpur International Airport
100R Ceiling system & T15 Cell Ceiling system









Penang International Airport
Cell Ceiling system, 150mm module

Tawau Airport, Sabah
150F Ceiling system

Kuantan Airport
84C Ceiling system







Bintulu Airport, Sarawak
100R Ceiling system





Low Cost Terminal @Kota Kinabalu International Airport, Sabah
100R Ceiling system

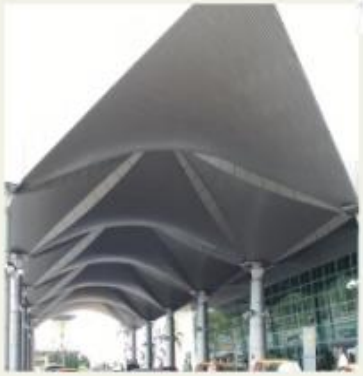




Kuching International Airport, Sarawak
84C, 184C & 100R Ceiling systems

Miri Airport, Sarawak
100R Ceiling system







Japan Airport
Clip-in Tile Ceiling system

Nanjing Airport, Shanghai, China
Curved 300C panel





Changi Airport, Singapore
Custome Plank Ceiling system



Tuas Checkpoint, Singapore
V200 Screen Ceiling system & Clip In Tile Ceiling systems











Guangzhou International Airport
Aerofoil 300 adjustable, Quadroclad 25mm
Honeycomb & Honeycomb interior ceiling systems





Dalian Airport, China
Custom ceiling 600mm, 100U/B wall / Special column







Bao'an International Airport, China
Tile Ceiling system



Guangzhou International Airport
Honeycomb interior ceiling systems







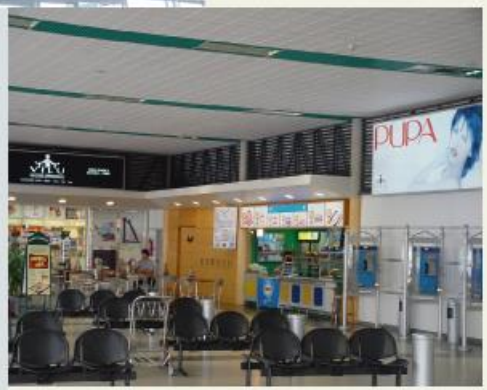


Aeropuerto Copiapo, Chile
Celoscreen sun louvre system

Aeropuerto Punta Arenas, Chile
Lay-in Tile Ceiling and 150FS/220FS/300FS Panel systems







Aeropuerto Iquiquue, Puntas Arenas, Chile
Contasol H2/SL4 systems.

ARCHITECTURAL SERVICES

We support our business partners with a wide range of technical consulting and support services for architects, developers with recommendations regarding materials, shapes and dimensions and colours and finishes. We also help creating design proposal, visualizations and mounting drawings. Our services to installers range from providing detailed installation drawings and instructions to training installers and advising on the building site.

HUNTER DOUGLAS is a publicly traded company with activities in more than 100 countries with over 166 companies.

The origin of our company goes back to 1919, in Dusseldorf, Germany. Throughout our history, we have introduced innovations that have shaped the industry, from the invention of the continuous aluminium caster, to the creation of the first aluminium Venetian blinds, to the development of the latest high-quality building products.

Today we employ more than 20,000 people in our companies with major operation centres in Europe, North America, Latin America, Asia and Australia.

LUXALON®

Techstyle™

HunterDouglas®

3form

Innovative Products
Make Innovative Projects

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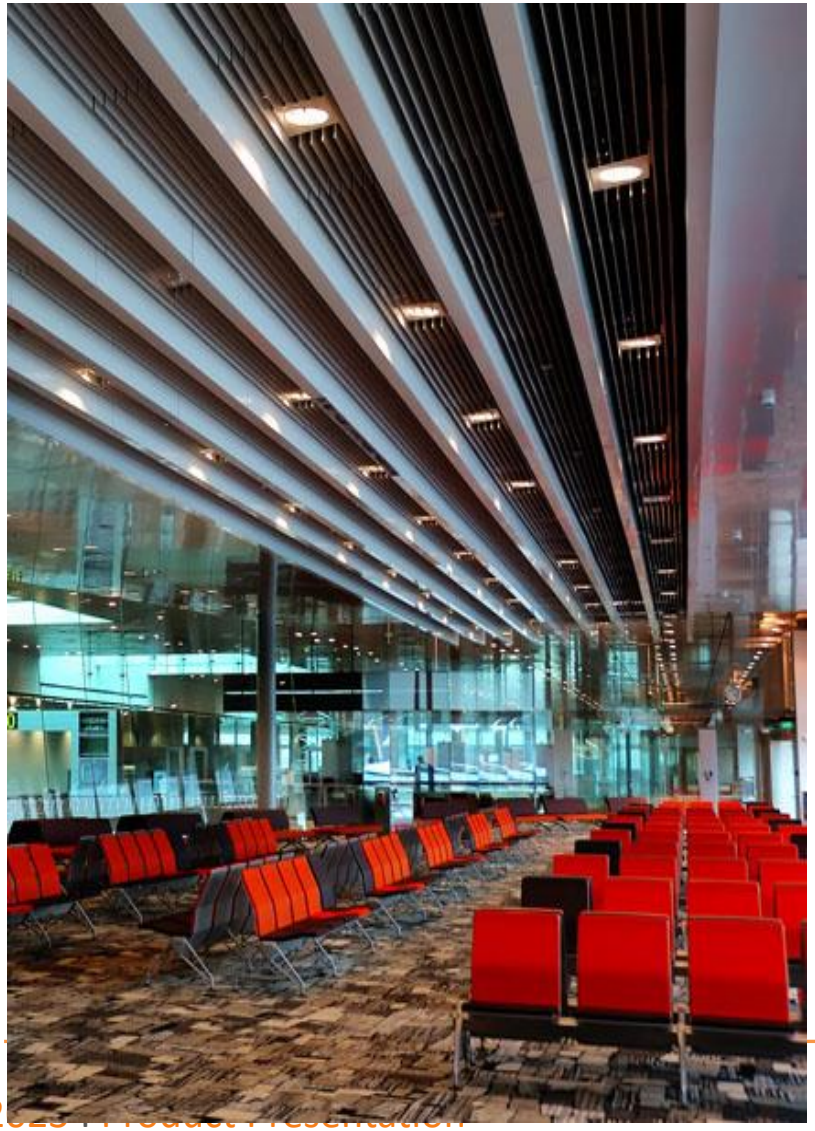
- www.luxalon.com.my

Terminal 3 Airport, Singapore
NHIC Honeycomb Ceilings System



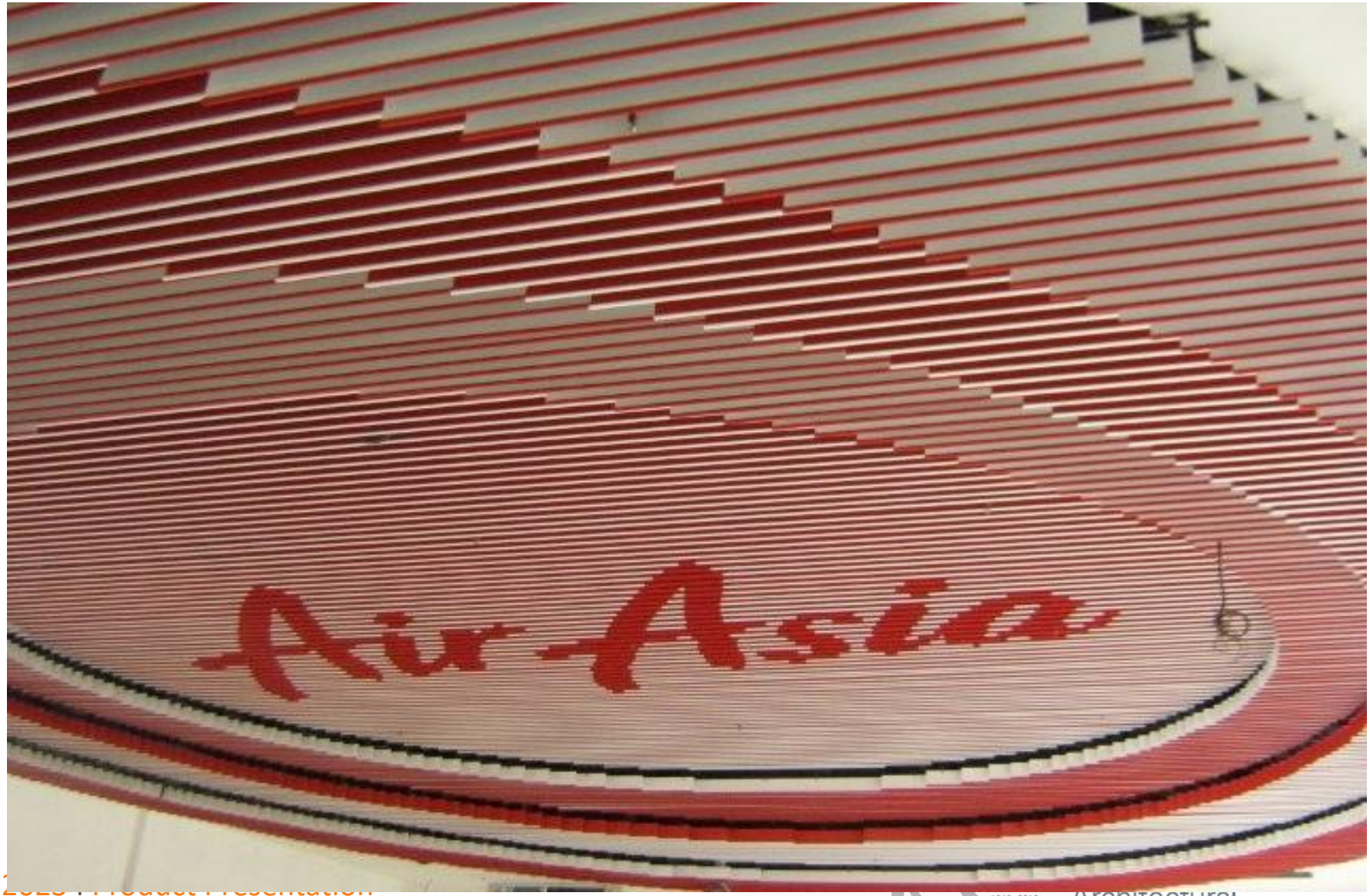
Terminal 3 Airport, Singapore
Custom Honeycomb Baffles System



Terminal 3 Airport, Singapore
300C Perforated With
Nonwoven System



Air Asia Training Centre, Sepang Malaysia
V200 Deco Ceilings System



Kota Kinabalu International Airport, KK Sabah Malaysia
150R, 300R and 184C Ceilings System



Kota Kinabalu International Airport, KK Sabah Malaysia
150R, 300R and 184C Ceilings System



Kuala Trengganu Airport, Trengganu, Malaysia
150F & 150C np & perf. System



Melaka Airport, Malaysia
150F ceilings system.



Melaka Airport, Malaysia
150F ceilings system.





Terminal 3 @ Subang Airport Malaysia
184C Ceilings System



Terminal 3 @ Subang Airport Malaysia
184C Ceilings System





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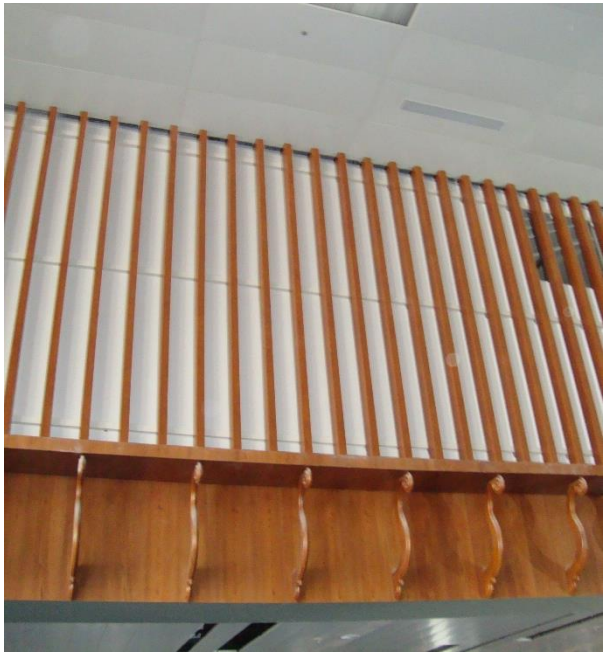
Kuala Trengganu Airport, Trengganu, Malaysia
150F & 150C np & perf. System

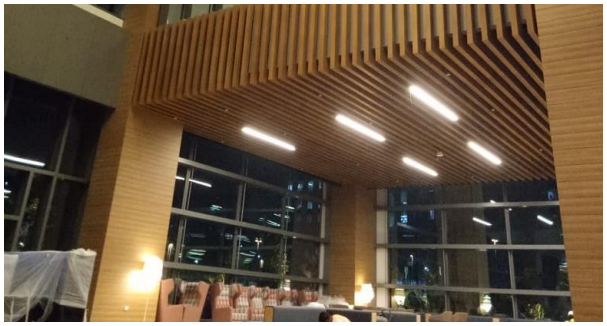


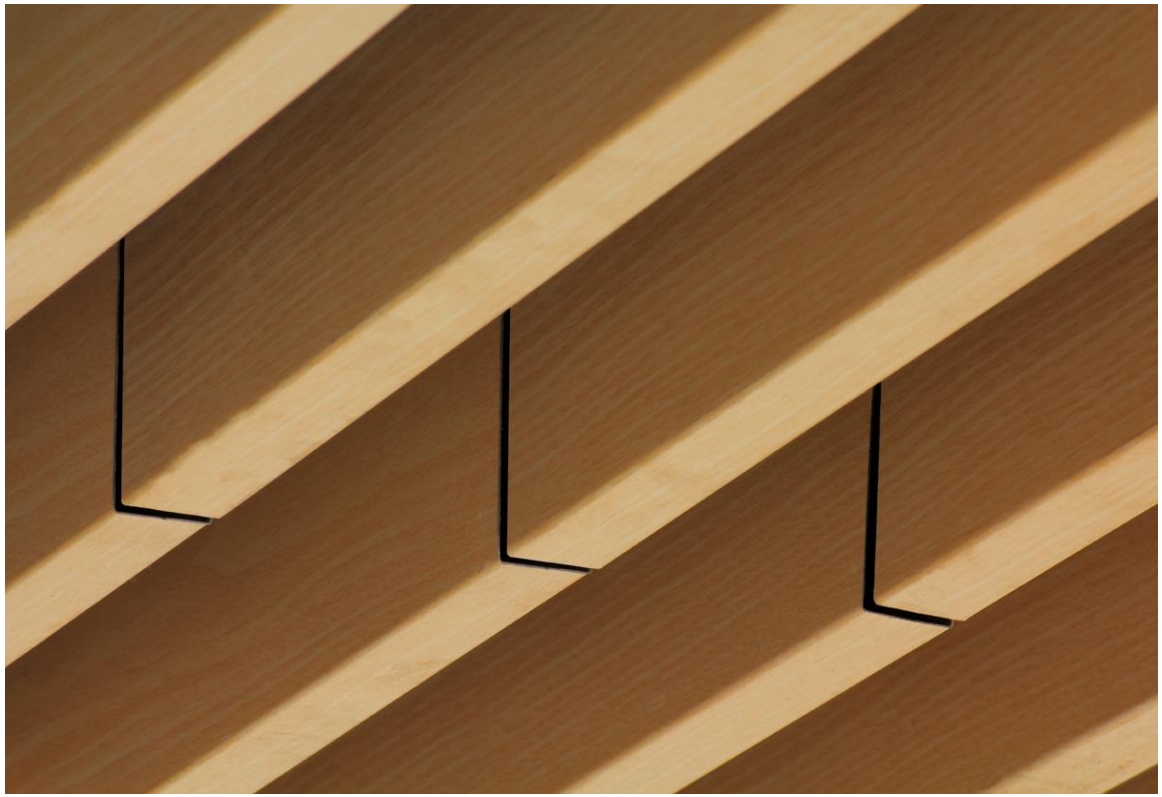

Cochin Duty Free











BAFFLE

Series

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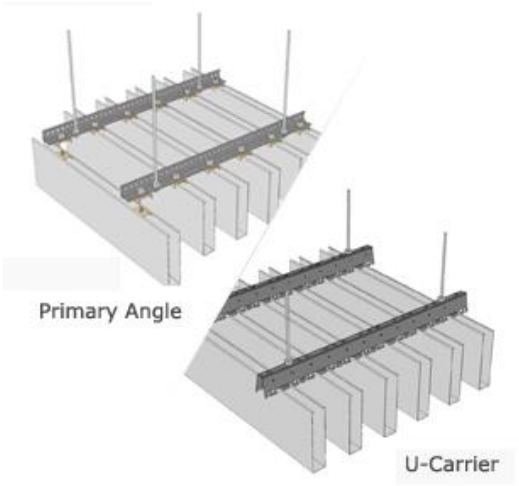
BAFFLE

Series

- **U Baffle Ceiling** program with 25mm / 30mm / 50mm wide and variable depth starting from 50mm to 200mm

With the upward trend of baffle, this range provides more flexibility for architects/designers to decide any size within range and variable module





		Height				
		50mm	70mm	100mm	150mm	200mm
	25mm		✔	✔	✔	✔
Width	30mm		✔	✔	✔	✔
	50mm	✔	✔	✔	✔	✔

Non Standard variable Heights within 50mm – 200mm is also available

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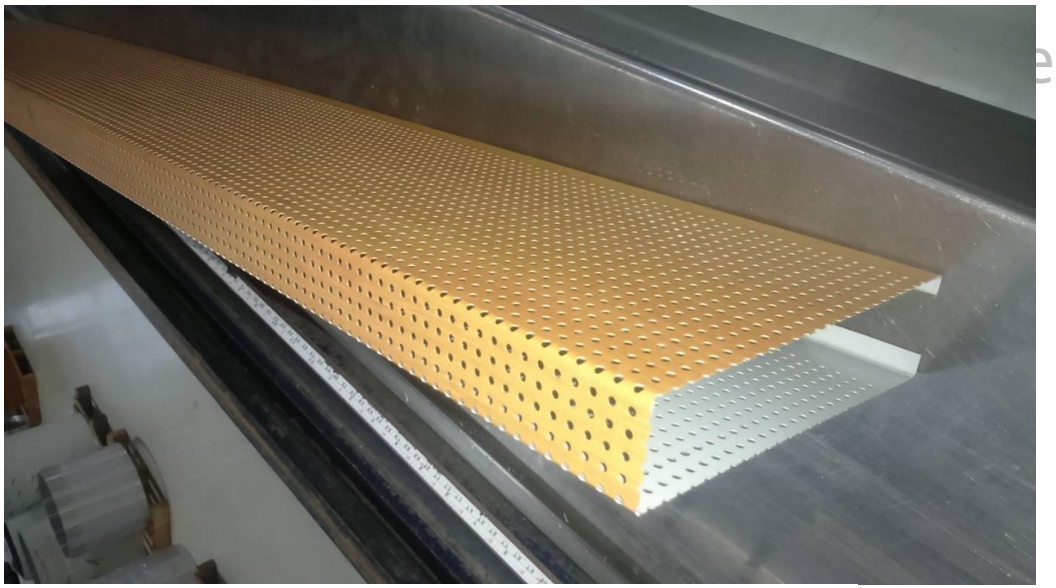
Product

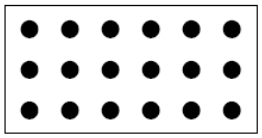
BAFFLE

eries



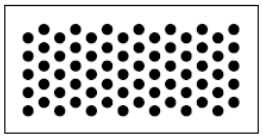


Standard perforation:



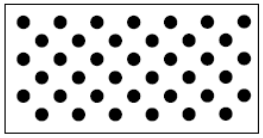
106

ø 2,5 mm
16% open
5,5 – 5,5



138

ø 1,5 mm
22% open
2,15 – 4,3



132

ø 1,8 mm
20% open
2,5 – 5,0

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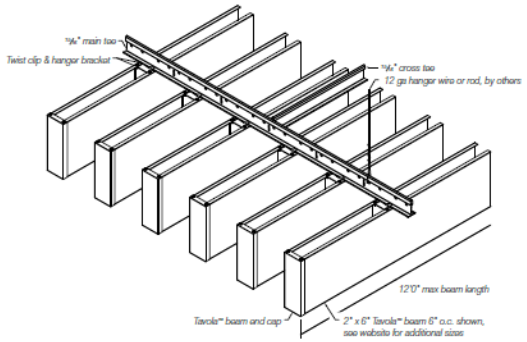
Possibilities

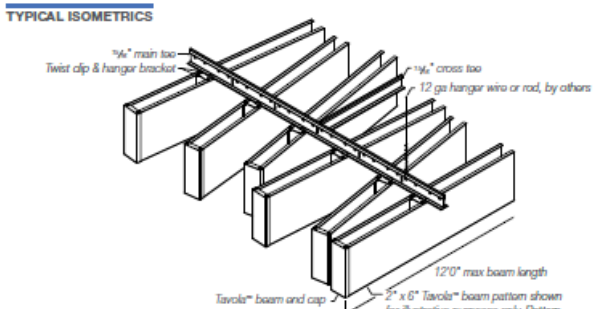
BAFFLE

Series



Regular Series

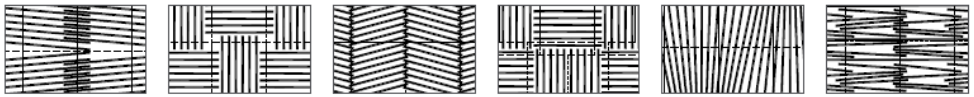






Divergent

CONFIGURATIONS



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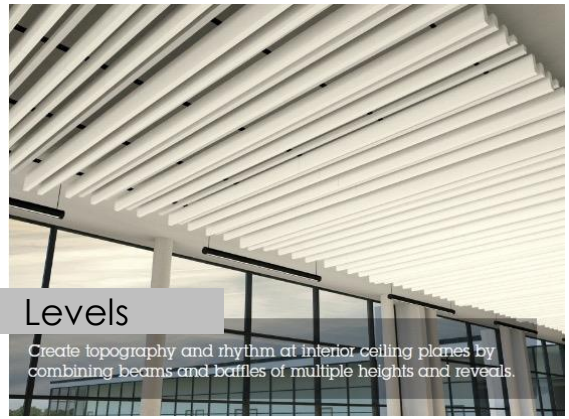
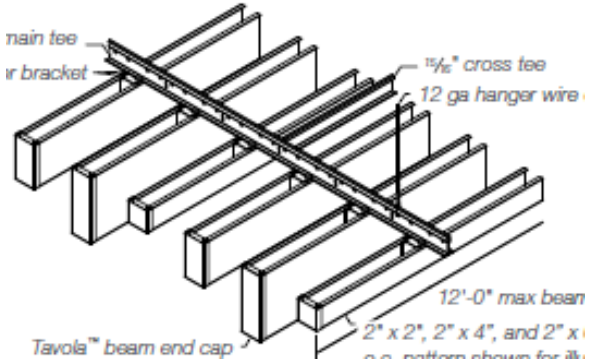
Possibilities

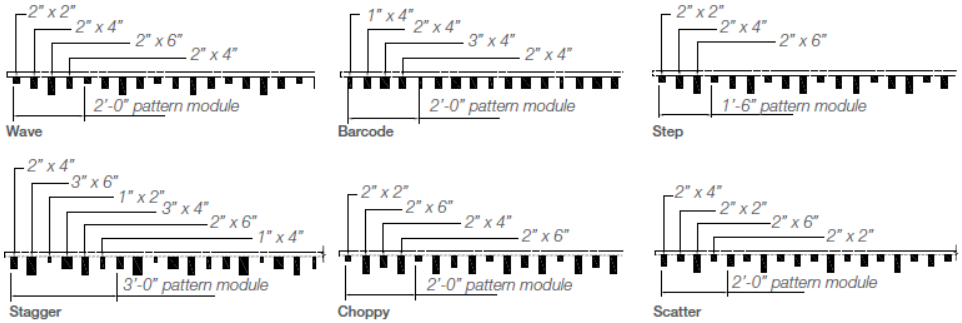
BAFFLE

Series





CONFIGURATIONS



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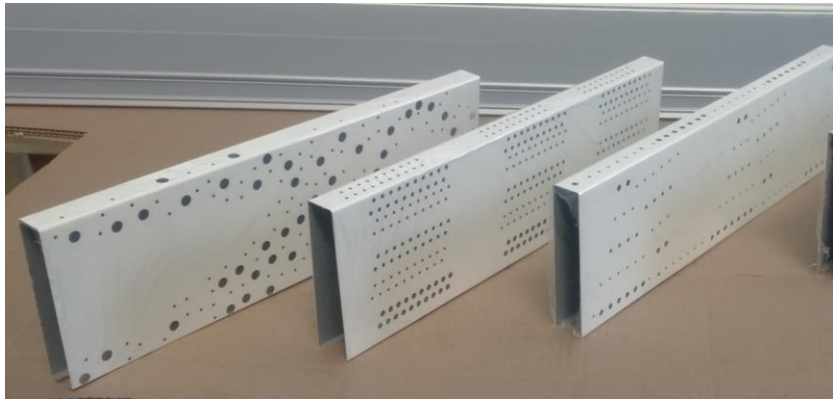
Possibilities

BAFFLE

Series





Custom Baffle Design

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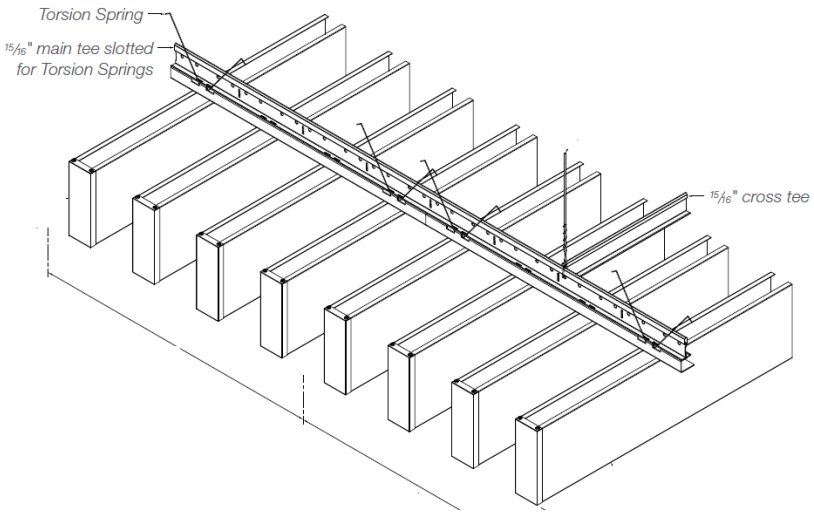
U Baffle on Torsion Spring





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Reality



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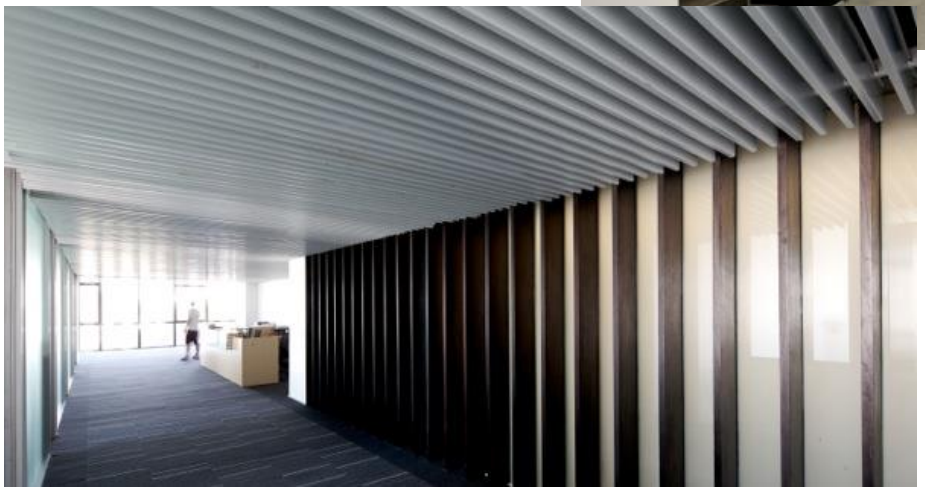

U Baffle 30 x 150 – 150mm Module

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U Baffle 30 x 100 – 100mm Module





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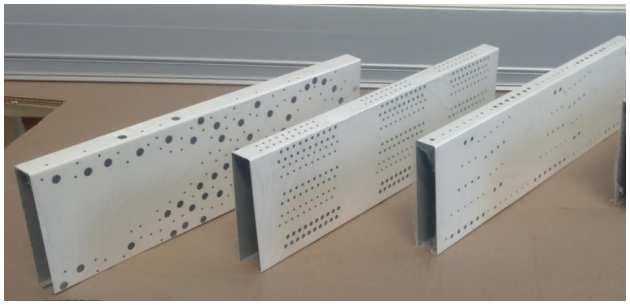
Possibilities

BAFFLE

Series





Custom Baffle Design

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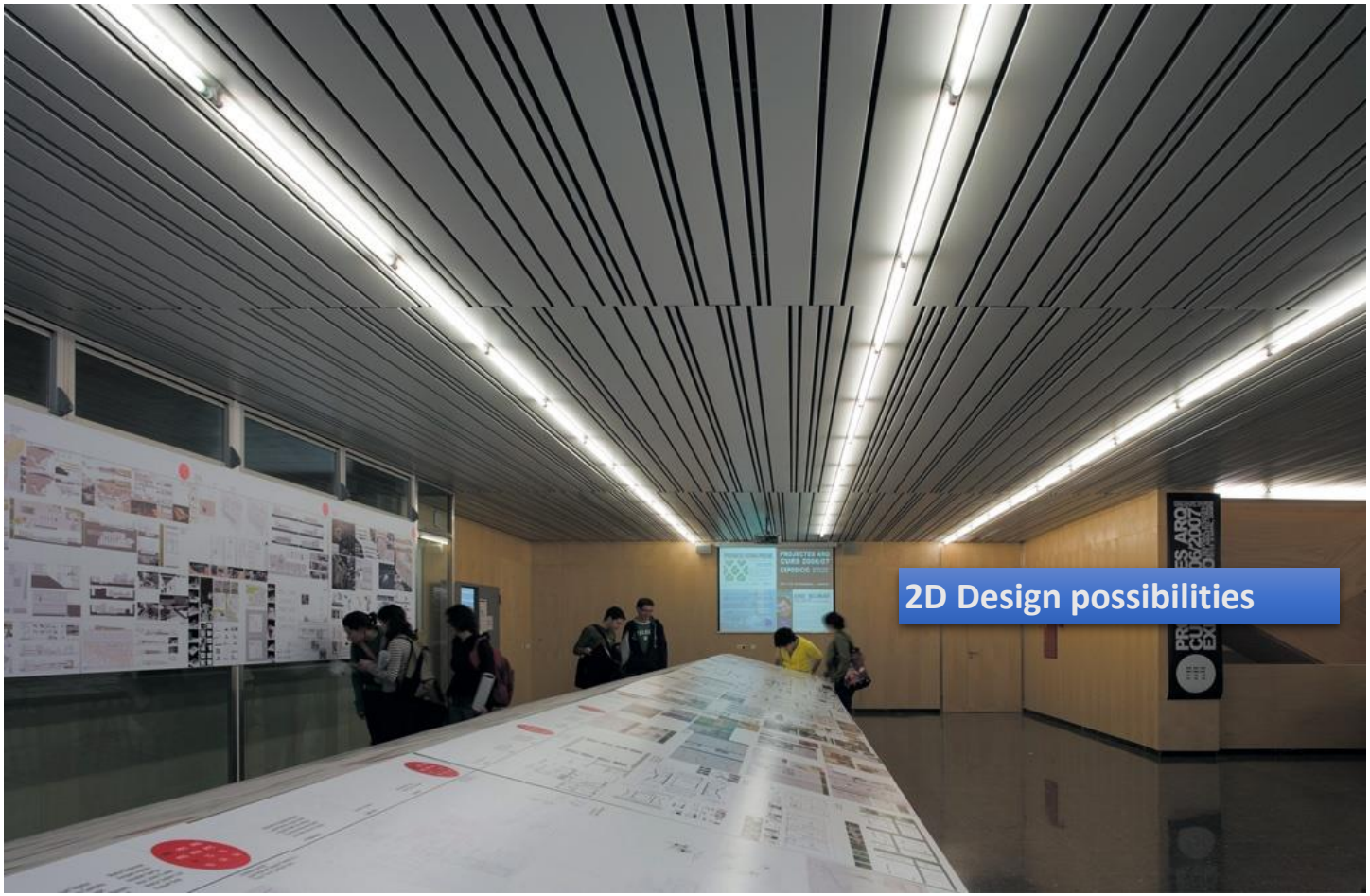
Wood Finish Linear Multi Ceiling









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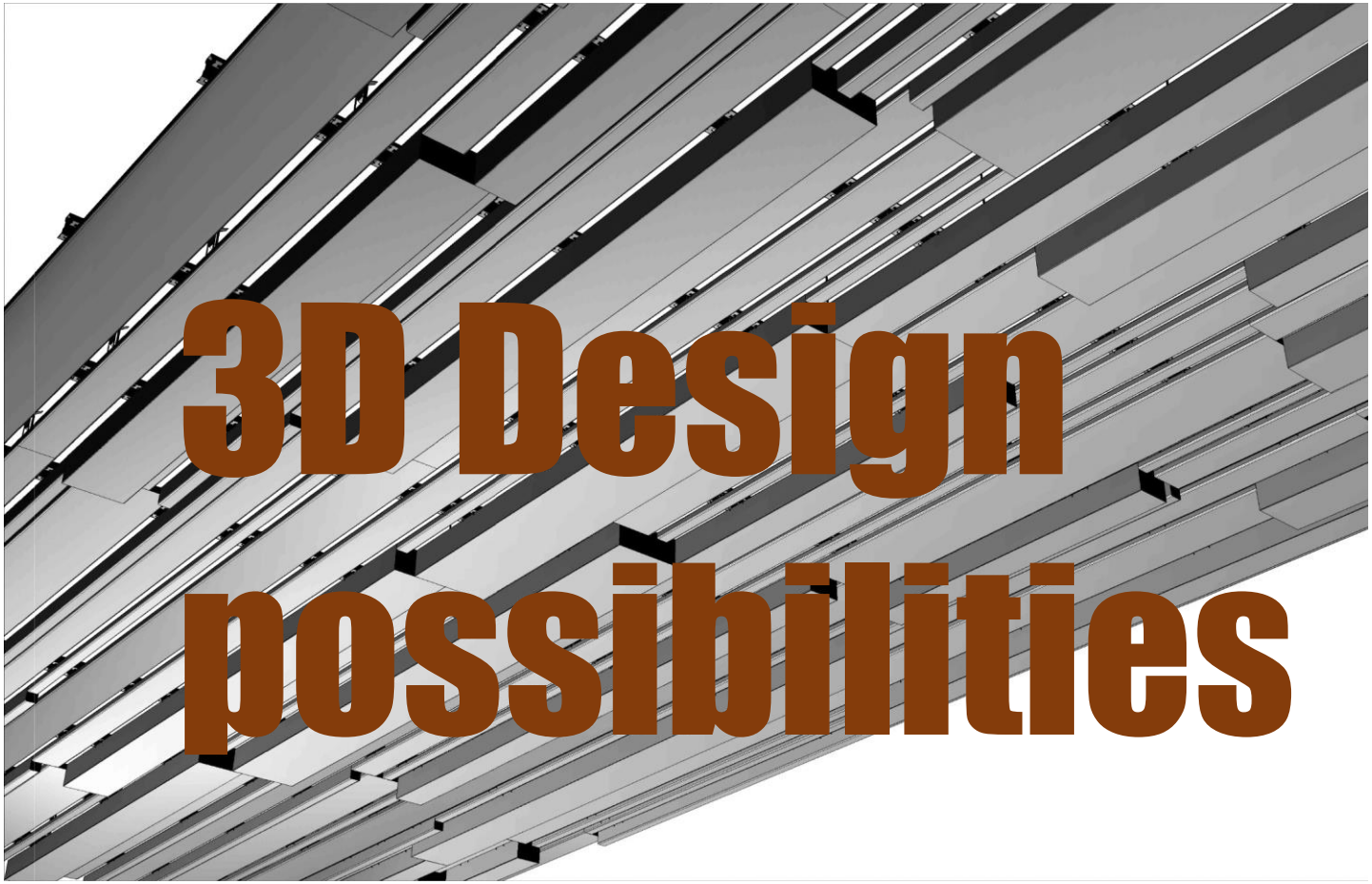

3D Design possibilities

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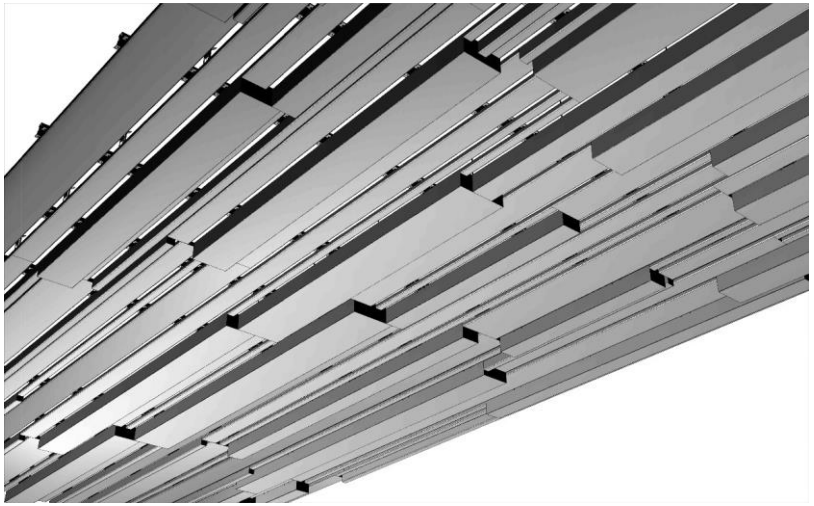
Objective

BXD

- Create superior acoustical solution
- Create new family of profiles that enables new (3D) possibilities in ceilings





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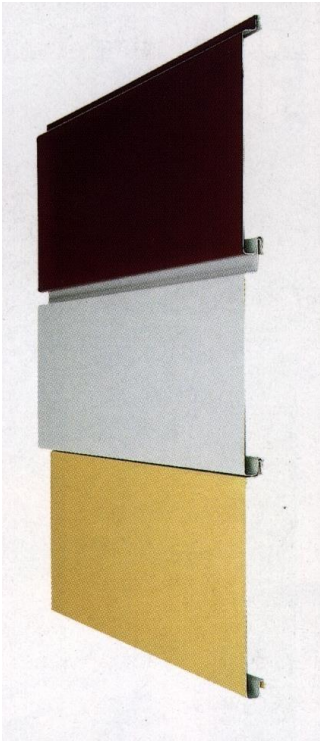
MULTI PANEL FAÇADE - FEATURES

- 3 panel widths
  - 300, 400 & 450mm
- 2 panel joints
  - “T”-, “U”- joint
    - Vertical, horizontal or diagonal installation
    - PVDF / Architectural Grade durable powder coating paint system



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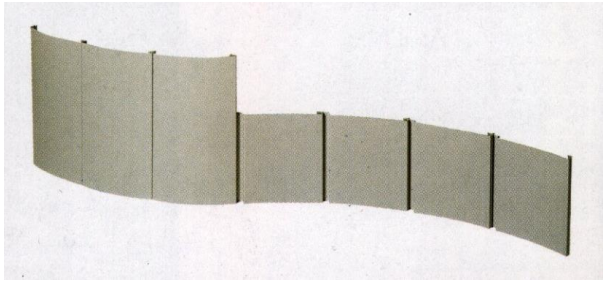
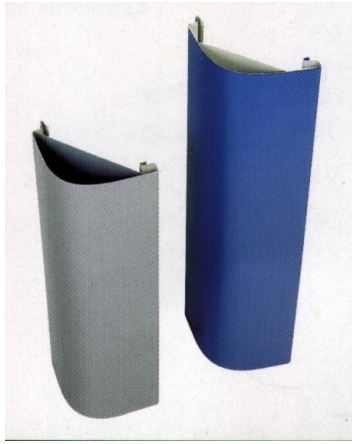
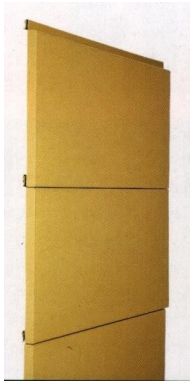
MULTI PANEL FACADE

- Convex or concave panels
- Round or square corners
- Cranked or cassette-type panels









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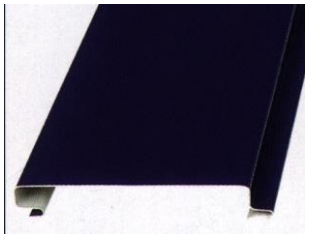
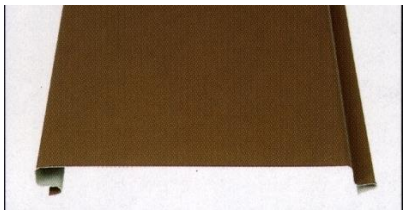
MULTI PANEL FAÇADE – RAW MATERIAL

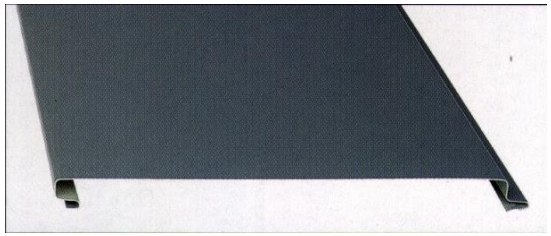
- Panels:
  - 300T, 300U: strip 0.95* 414mm Al 3005
  - 400T, 400U: strip 1.2* 514mm Al 3005
  - 450T, 450U: strip 1.2* 564mm Al 3005



300 T

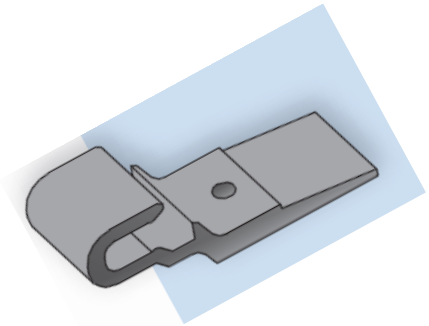


400 T



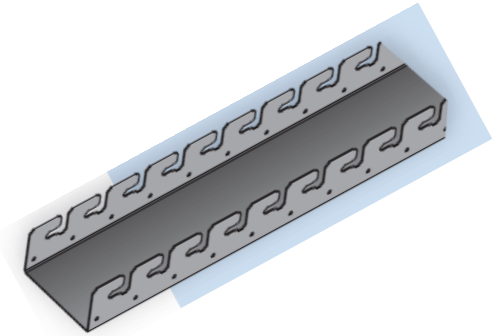
450 T

MULTI PANEL FAÇADE – FIXING SYSTEM



Screw Clamp can be used for:

- All modules and all panel types
- Horizontal, vertical and diagonal panel orientation
- Flat and curved façades



Multicarrier can be used for:

- Modules from 300 mm & 400 mm
- Horizontal panel orientation only
- Flat façades

MULTI PANEL FAÇADE





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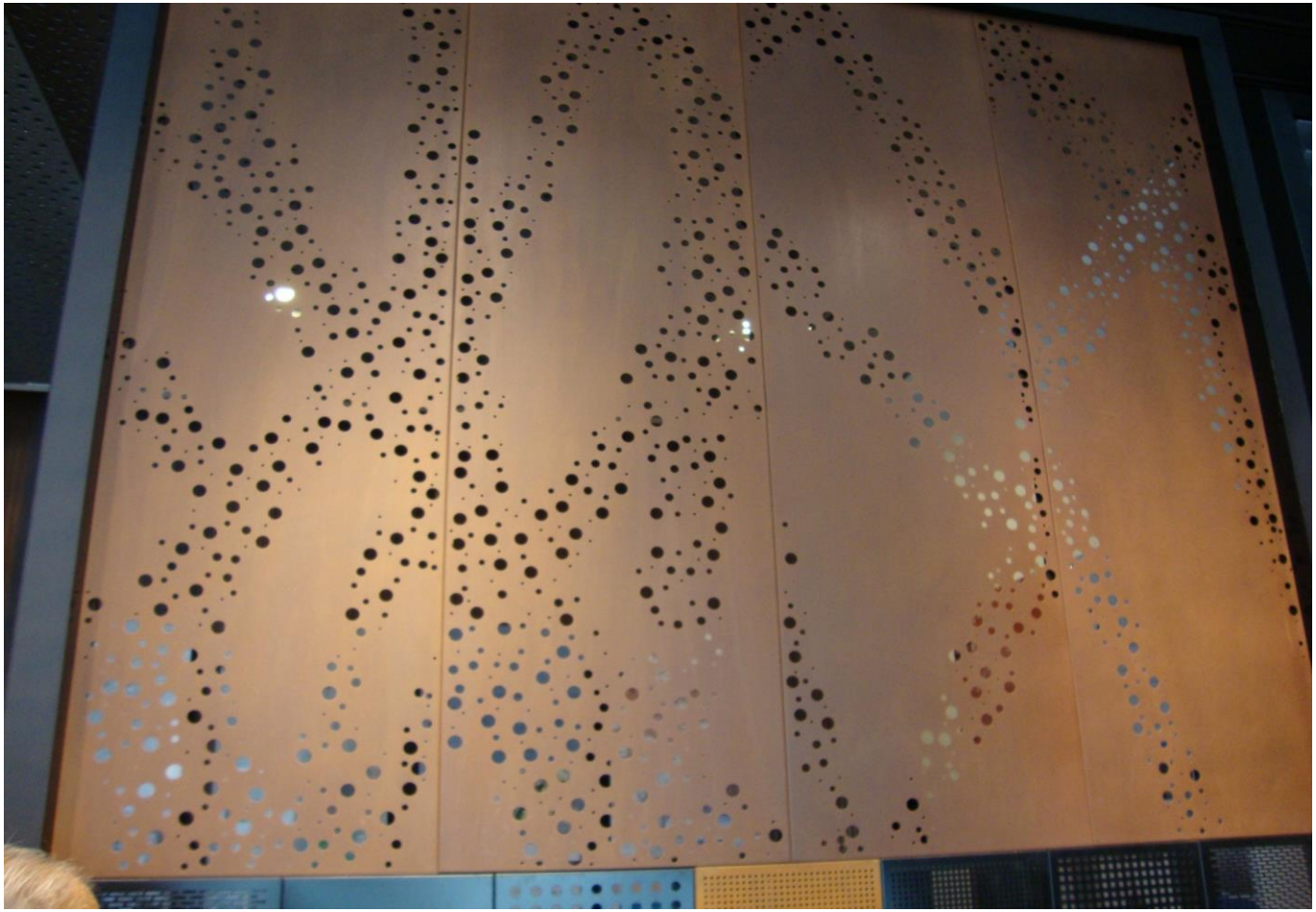
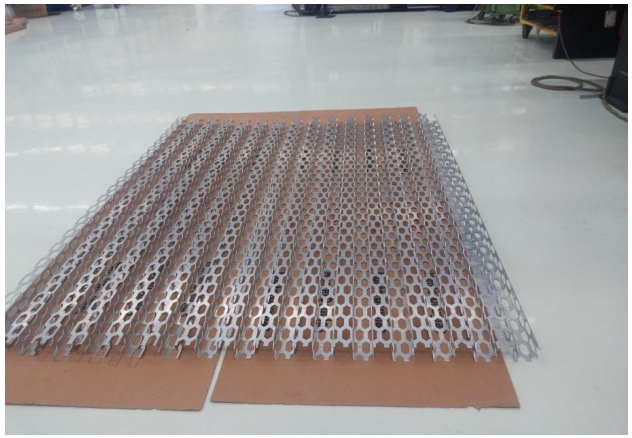
SINGLE SKIN SCREEN FAÇADE





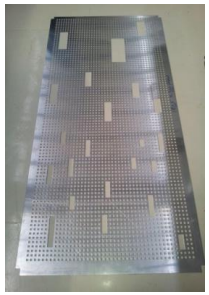


SINGLE SKIN SCREEN FAÇADE









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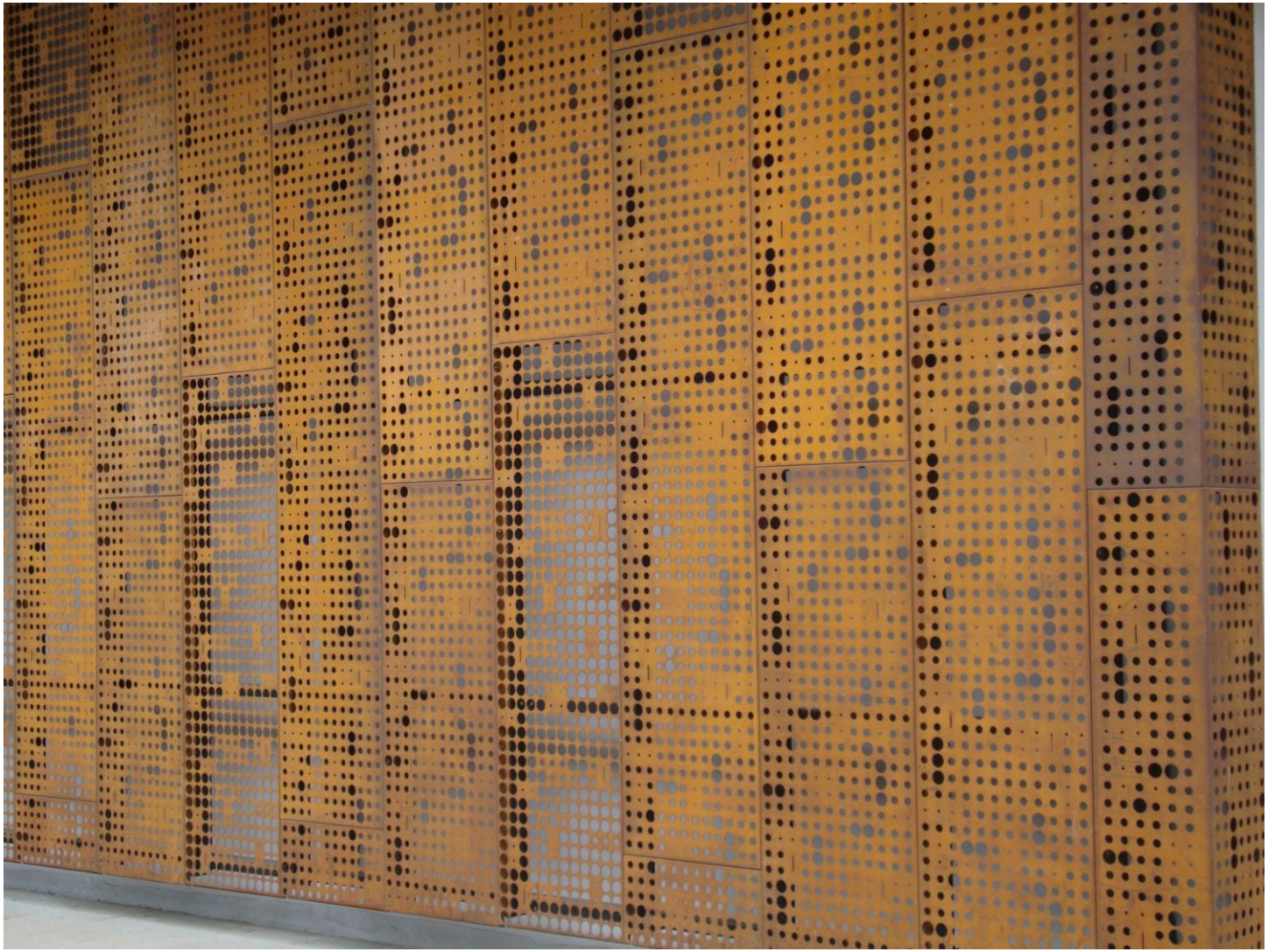
Exclusive Custom Solution Projects





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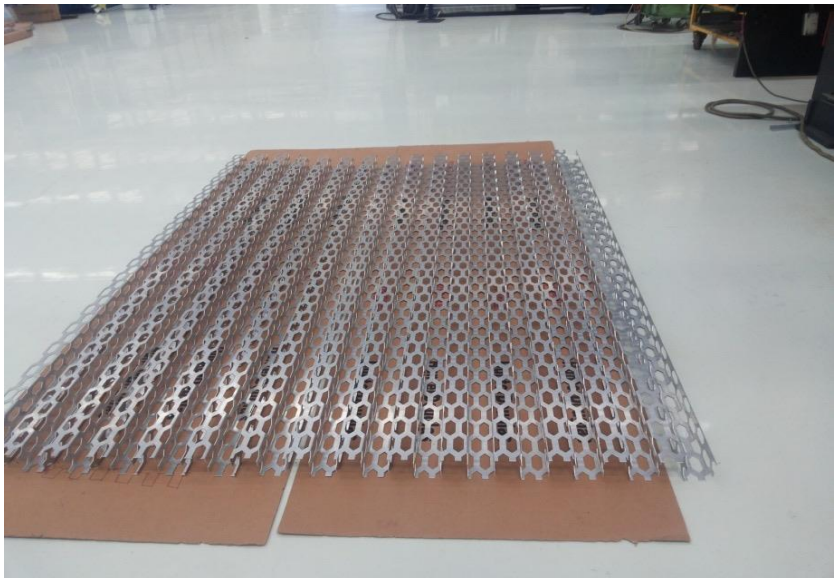
SINGLE SKIN SCREEN FAÇADE









Exclusive Custom Solution Projects



50BD / 75BD Box Shaped Louver System





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50BD/75BD Box Shaped Louver System





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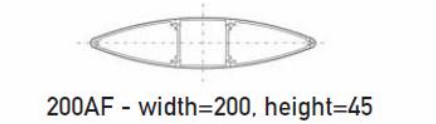
Aerofoil Products



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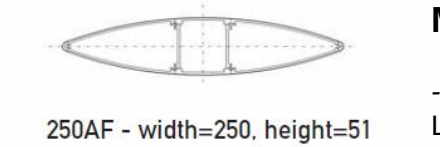

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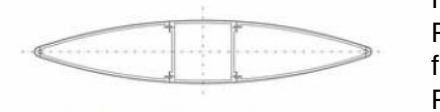

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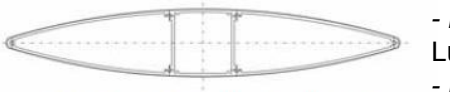

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Material Specifications

- Base Material

Luxalon® Aerofoil fins are aluminium extrusions with a wall thickness ≥ 1,8 mm. The ends are closed with aluminium caps cut from ≥ 1,5 mm thick plate. All used screws and bolts are made from stainless steel. For the support structure you can choose either aluminium or steel.

For the fixed system the fixation disc and the fin suspension are made of nylon (PA6.6) filled with fibre glass. The sliding U-profile is extruded aluminium.

For the adjustable system the bearing block is made of Poly Ethylene (HDPE) with a stainless steel axle and an axle lock made of Nylon (PA6.6) filled with fibre glass. The end cap connector material is stainless steel and for the driving rod there is a choice of aluminium or steel.

All aluminium products can be recycled for the full 100% requiring very little energy.

- Finishes

Luxalon® Aerofoils can be supplied with a polyester powder coating finish and PVDF coated.

- Luxalon® Colour Range

RAL colours & Wood Finish are available or you may request custom colour.

Aerofoil



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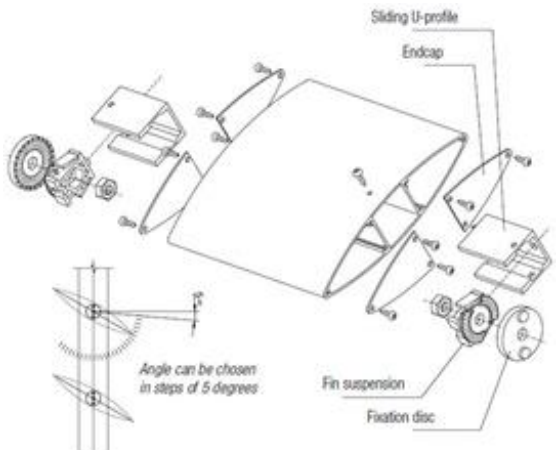
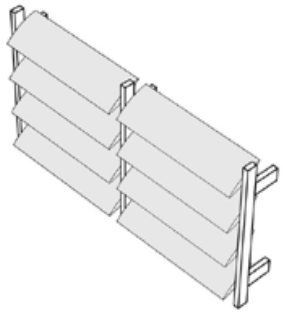
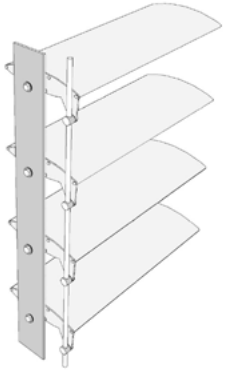
Aerofoil

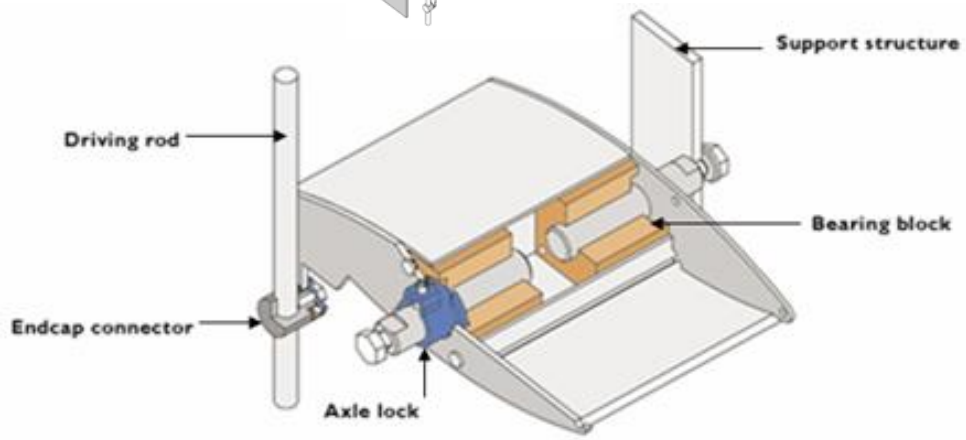




Static



Motorised



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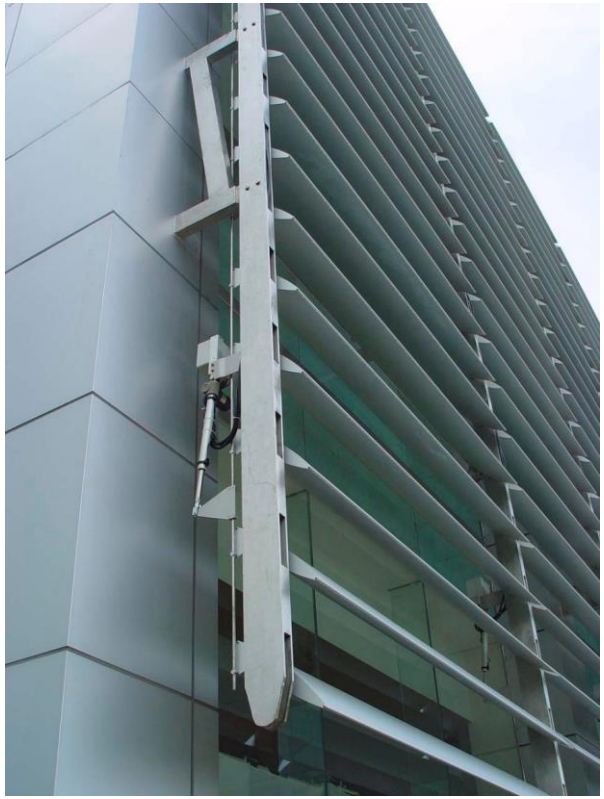
Aerofoil





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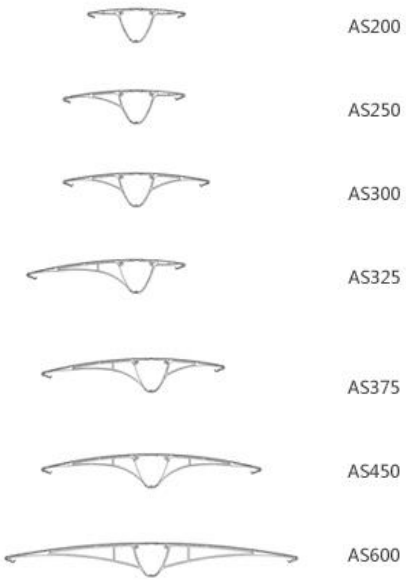
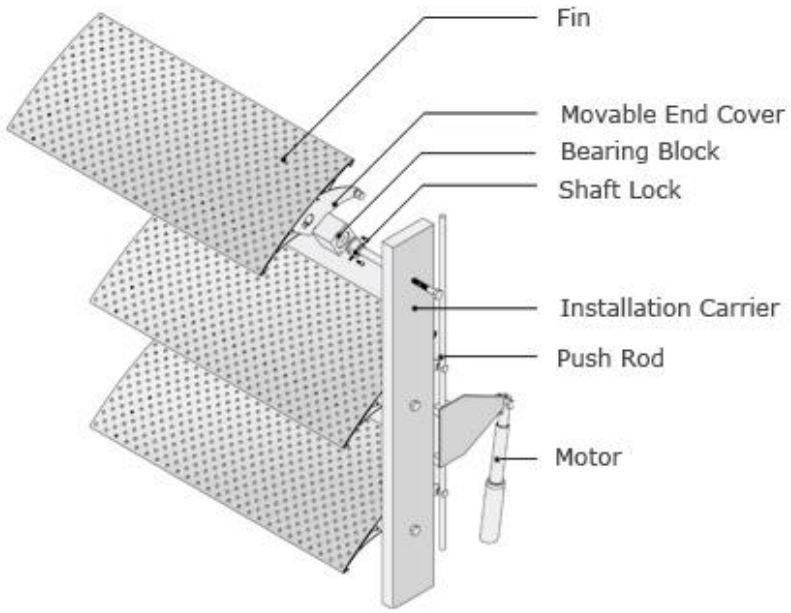
Aero screen

Sections of an Aeroscreen fin



Operable System of Aeroscreen



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Aero screen





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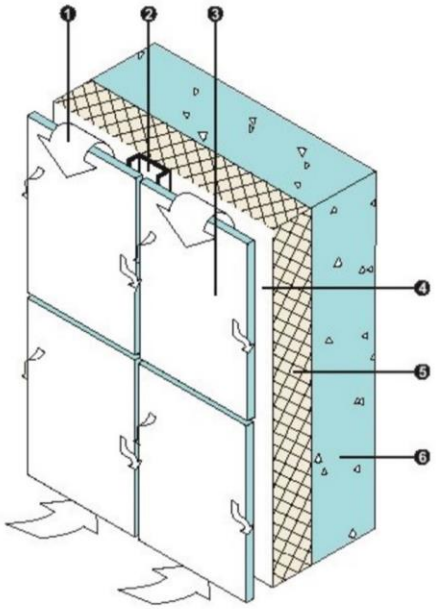
QuadroClad 15 with Copper finish (PVDF Coated)

Hunter Douglas Quadroclad Systems are utilised for High Quality façade design where the following are of pr

- Large façade elements
- Extreme panel flatness
- Various panel skins, surfaces and finishes
- Low weight per Sqm
- Capability to withstand High wind loads
- Durability
- For new-build and over cladding projects



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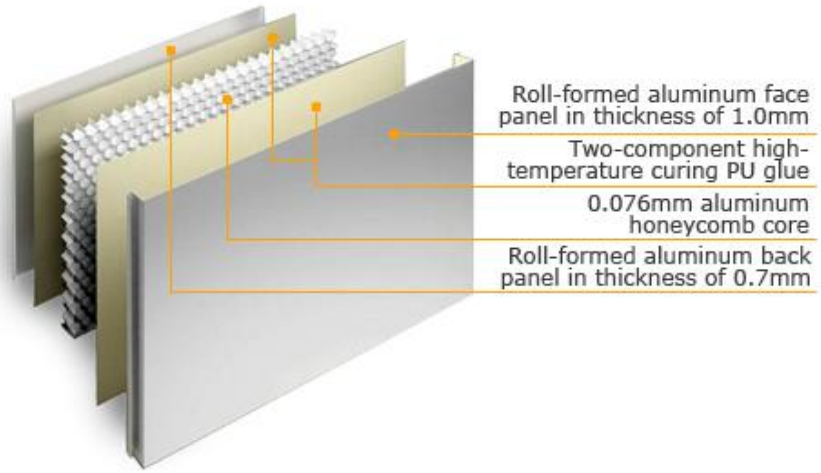
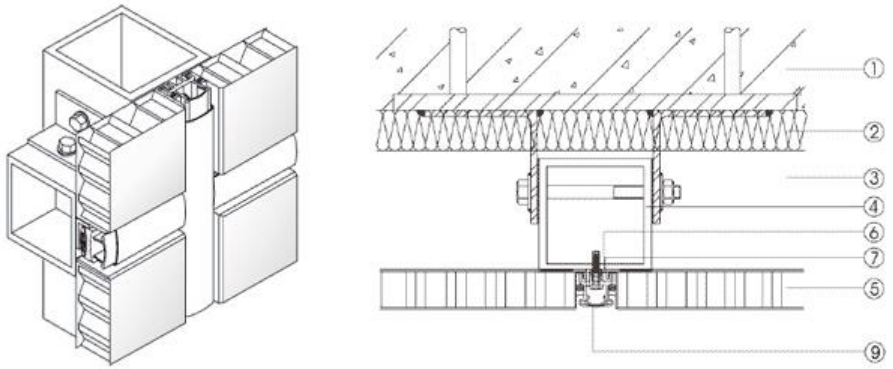
QuadroClad 15 with Copper finish (PVDF Coated)

Panel Technology



Metal Cover Joint System



1. Brick wall or cement 2. Insulation layer 3. Ventilation layer 4. Carrier 5. Honeycomb panel 6. Buckle 7. Anti-slide block 8. Filler rod 9. Metal capping strip

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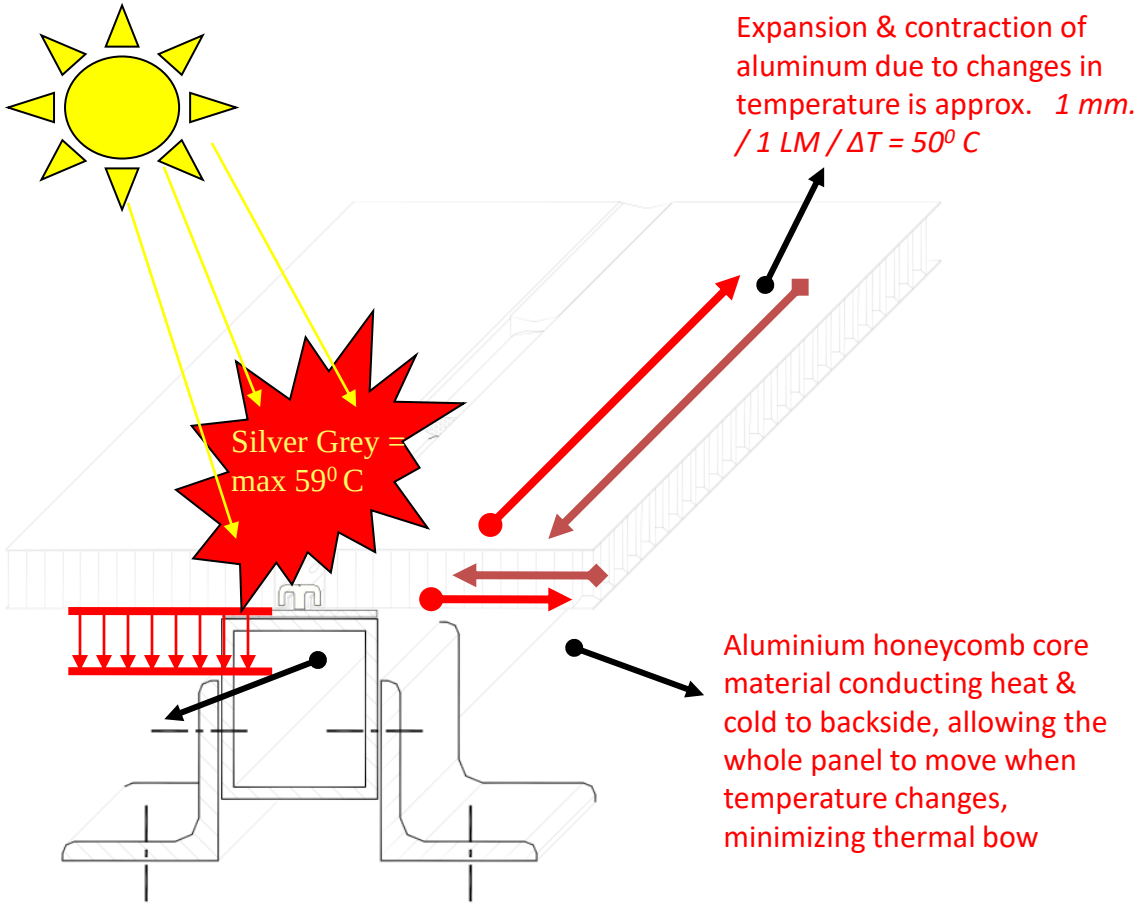
Innovative Projects



Expansion & contraction of aluminum due to changes in temperature is approx. *1 mm. / 1 LM / ΔT = 50⁰ C*

Aluminium honeycomb core material conducting heat & cold to backside, allowing the whole panel to move when temperature changes, minimizing thermal bow

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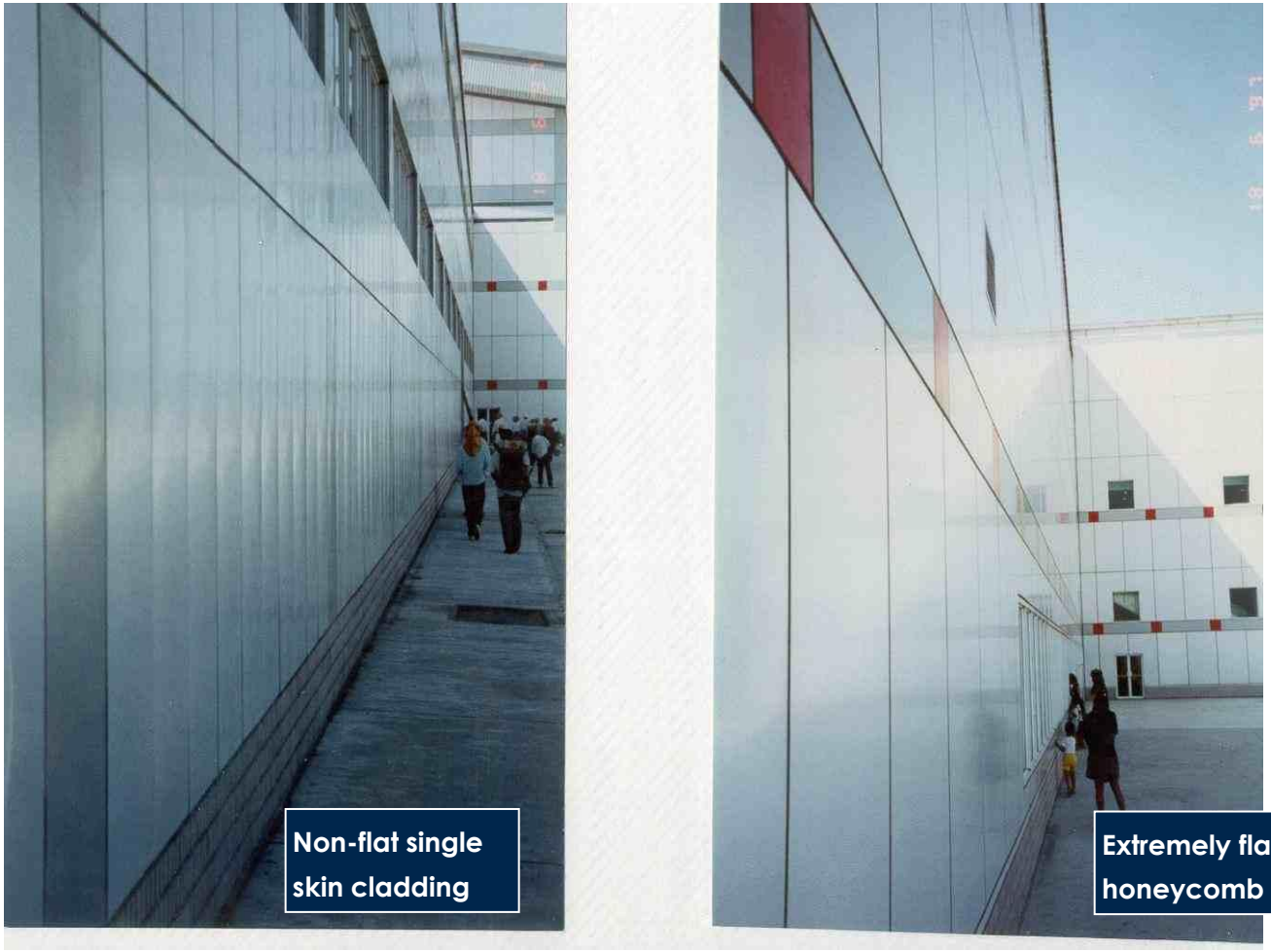

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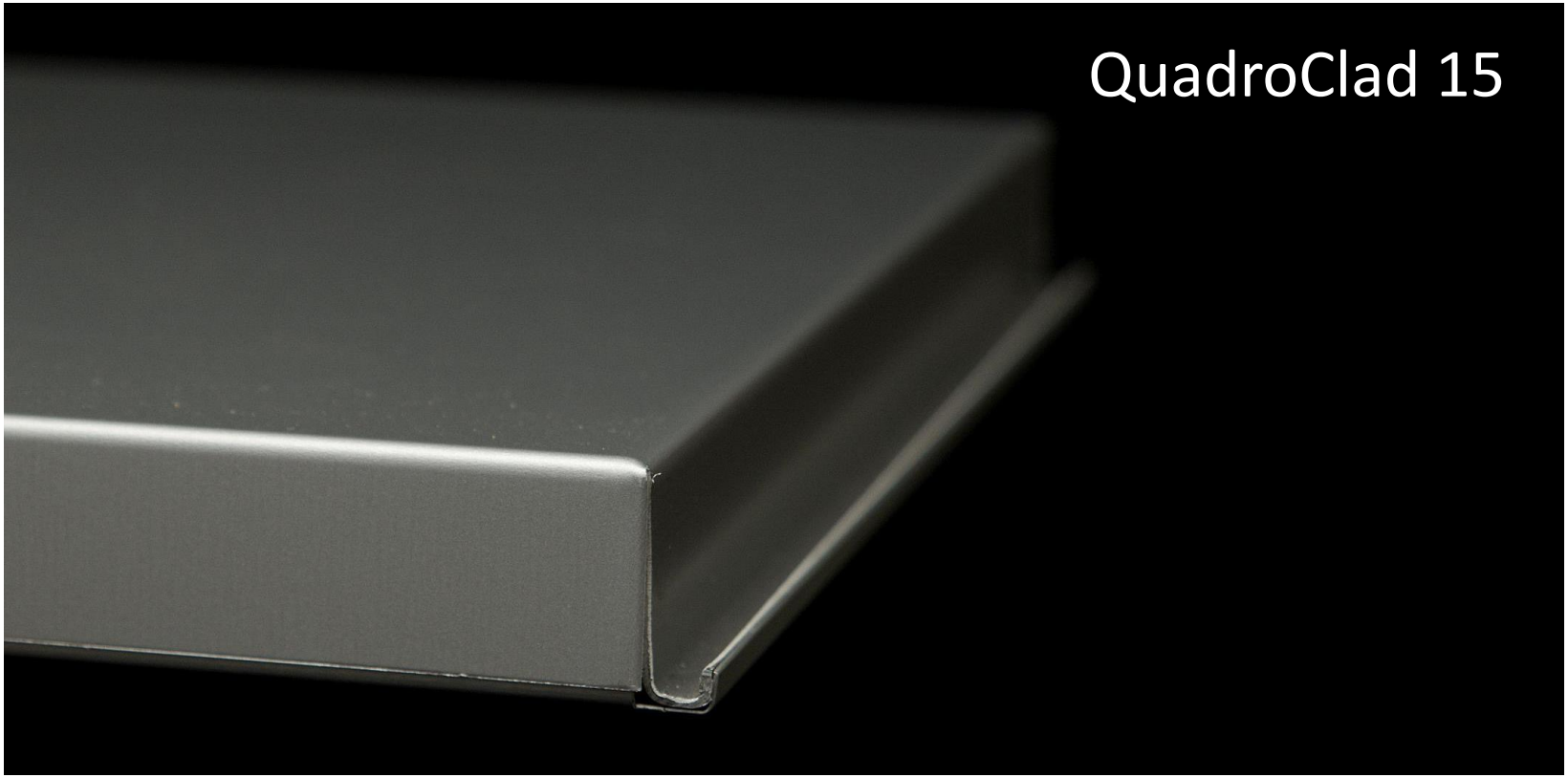

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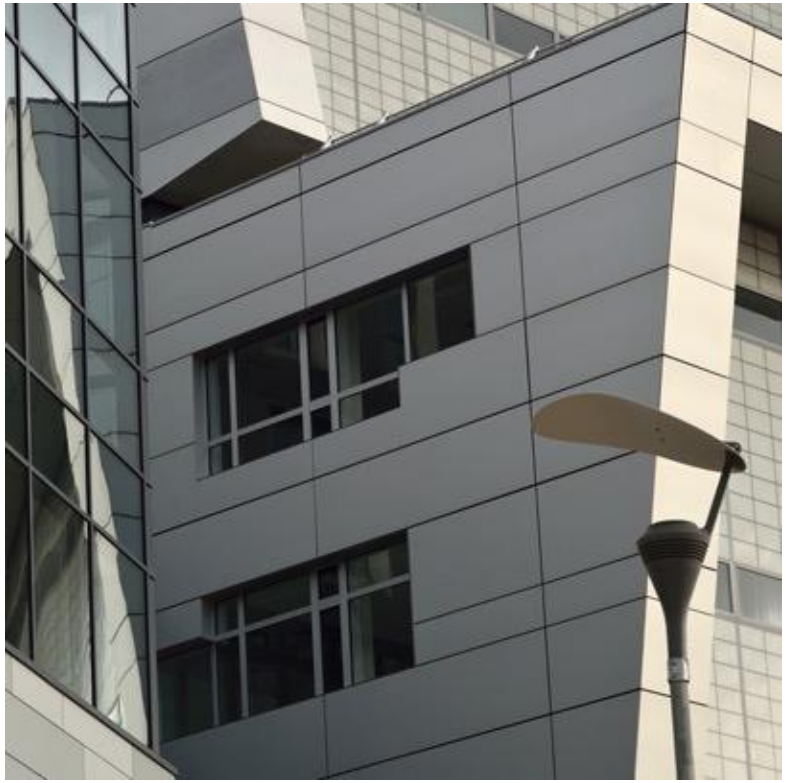
QuadroClad 15 with Copper finish (PVDF Coated)





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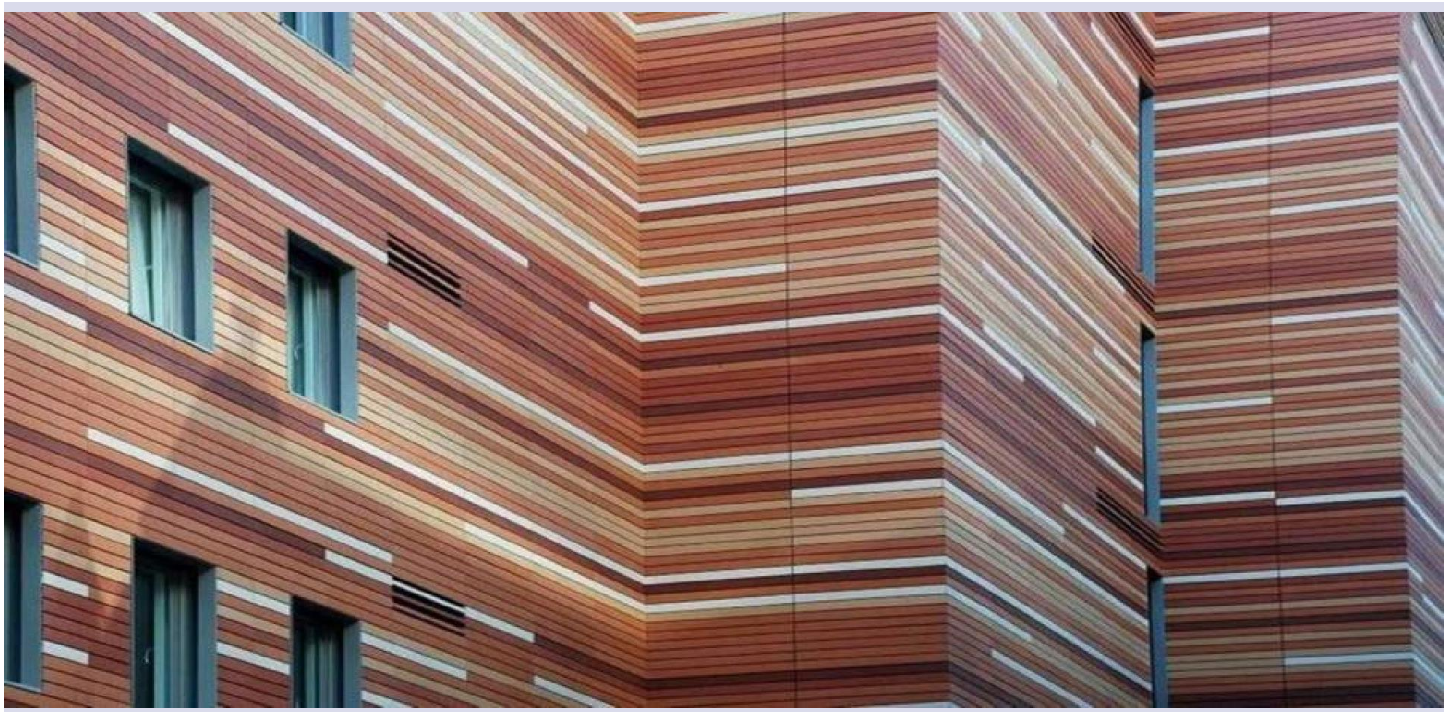

CLADDINGS & SUN
LOUVRE

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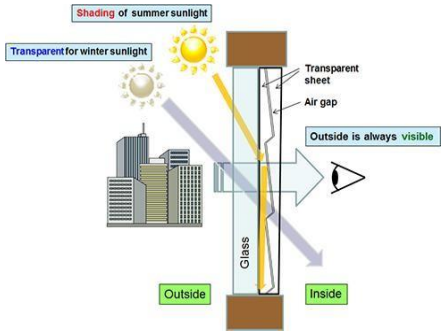
Agenda

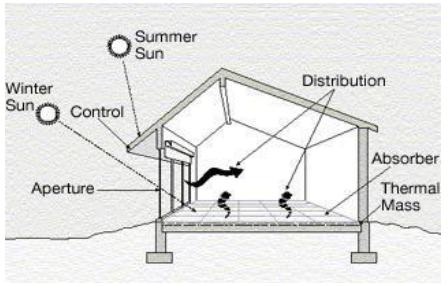
- Insights of Sun control System
- Classic System
- High End Louvers
- Shutters
- Special systems
- ASG(Architectural Service Group)

Insights of Sun control

- Light Control
  - Values of light (lumen) levels for office activities recommended by Ergonomics, are laid down in European Legislation
  - Optimal light Levels are between 500-1500 Lux
  - Natural sunlight is best source
  - Light hitting outside of a building varies from 10,000 lux to 100,000 lux depending on façade orientation, cloudiness and geographical location
  - (as a result, the quantity of light entering building needs to be controlled for optimal working source)



- Climate control
  - In India, large cooling installation are necessary,but on the contrary, heat control is the issue,
  - Prevent direct or indirect sunlight to cause heat gain in building,
  - Legislation, as a a result from UN climate treaty to reduce CO2, limits use of power consumption for buildings from e.g. A/c installations
  - (As a result the quantity of heat entering the building needs to be controlled for an optimal inside climate.)



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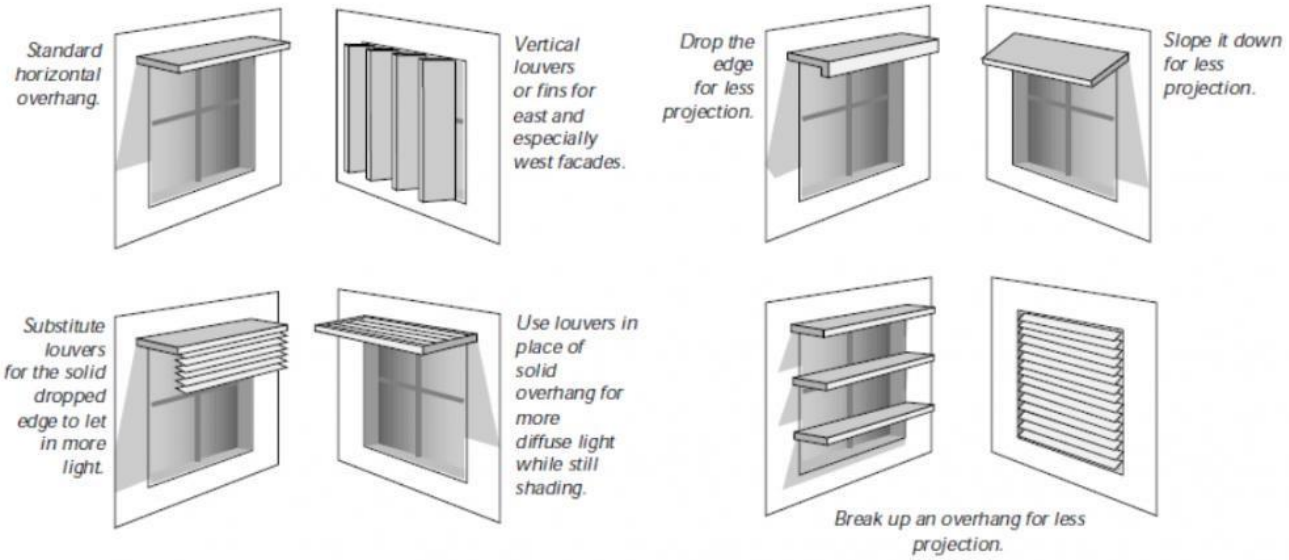
Points to be considered

- Geographical Location
- Surrounding objects
- Directional positions of Façade
- Solar Protection design



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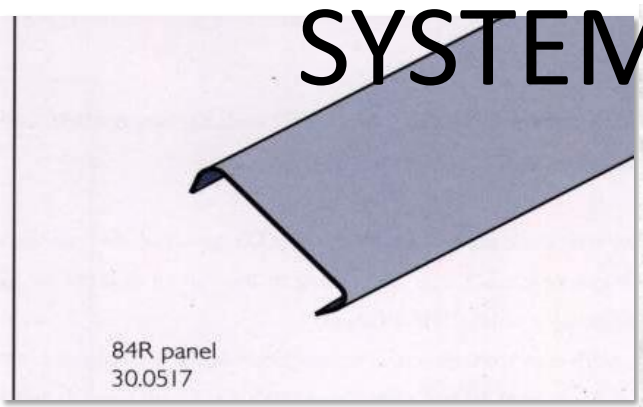
CLASSIC SYSTEM- 84 R Sun Louvre

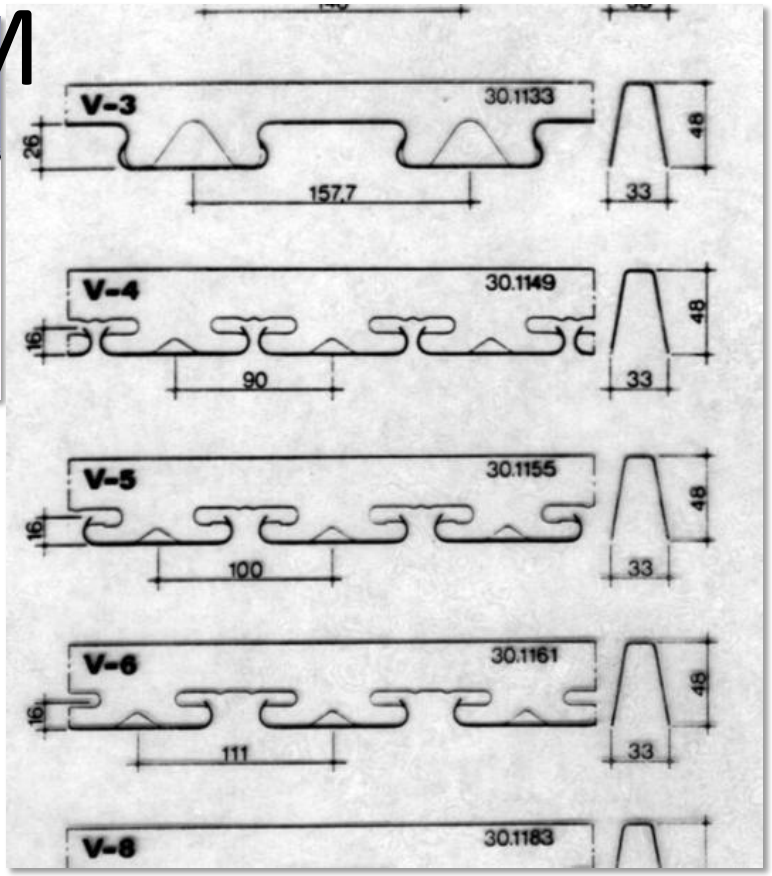
- The Luxalon 84 R Sun Louvre is a real classic system, used for applications on straight, curved or angled façade, The product has elegant and light appearance, with nicely curved edges.

• FEATURES

- Roll formed AL Panels of 84 mm wide with curved edges
- Coil coated with a UV and scratch resistant Luxacote coating available in 3 standard colors , non Std colors are available on reque
- 4 positions of mounting possible
  - Projected Horizontally, at the top of Glazed area
  - Angled projection, to give more shading
  - Positioned vertically
  - Combination of Vertical and horizontal
- Bent or curve panels to follow building shape

84R SINGLE SKIN SYSTEM





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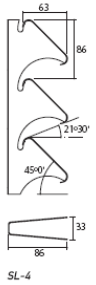
84R SL4 - 45 degree angular louver with and 86 mm module



- Supply & Fixing of Hunter Douglas Luxalon Aluminium Plain 84R Sun Louvers consisting of panel 84 mm wide x 16 mm deep x 0.6 mm thick with round edges panel length upto 6 meter on SL-4 Stringers maintaining fixed module of 86 mm.
- Luxacote Finish
- Star
- Pure
- Natu



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- 84R SL4 - 45 degree angular louver with and 86 mm module



84R V5 – 0 degree flat louvers with 14mm gap in module of 100mm



- Supply & Fixing of Hunter Douglas Luxalon Aluminium Plain 84R Ventilated Facade consisting of panel 84 mm wide x 16 mm deep x 0.6 mm thick with round edges panel length upto 5 meter on V-5 Stringers maintaining fixed module of 100 mm. The Panel shall be Luxacote Standard Color Natural TF / Pure White Color.

- 84R V5 –0 degree flat louvers with 14mm gap in module of 100mm



- 84R V6 –0 degree flat louvers with 27mm gap in module of 111mm



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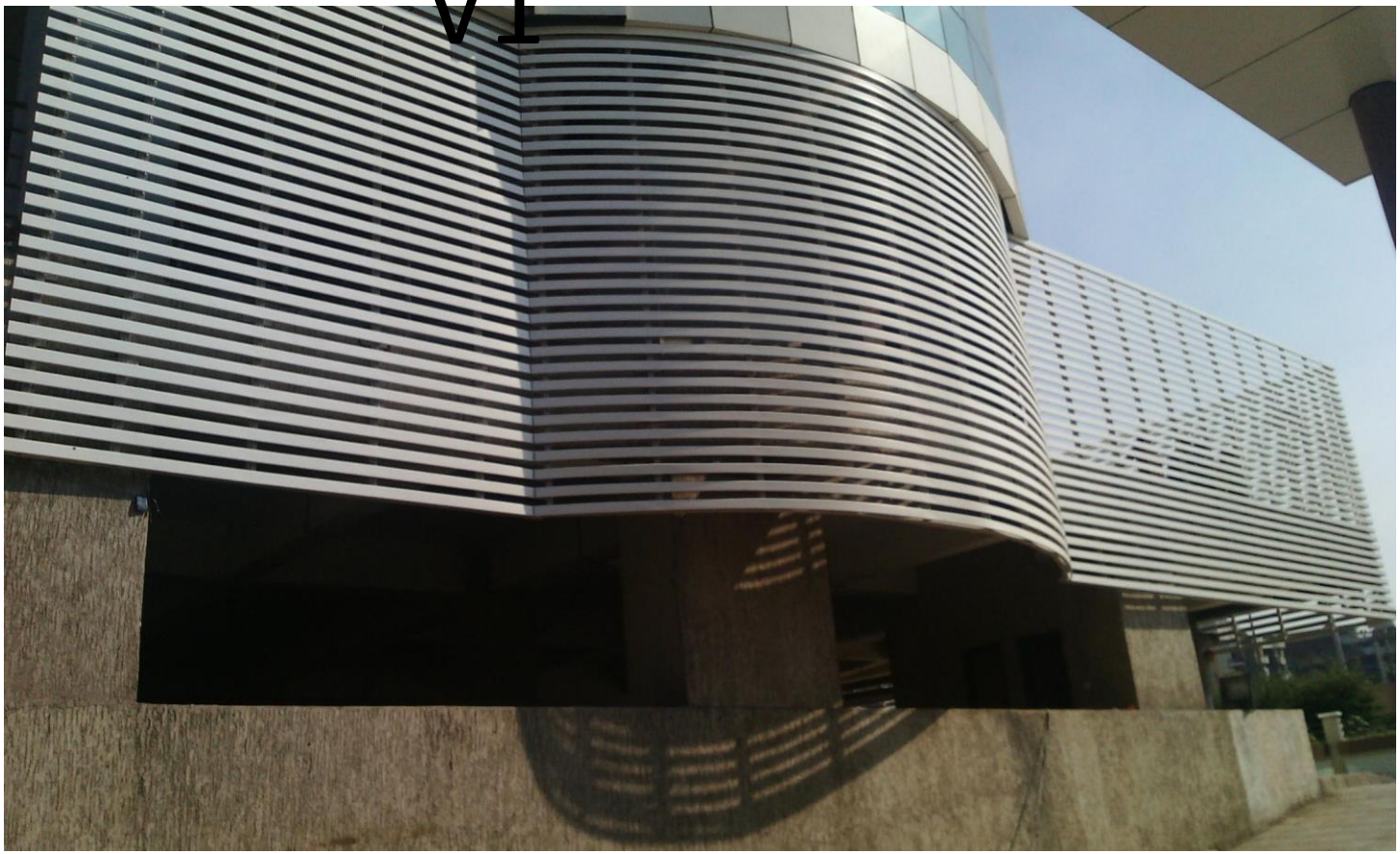
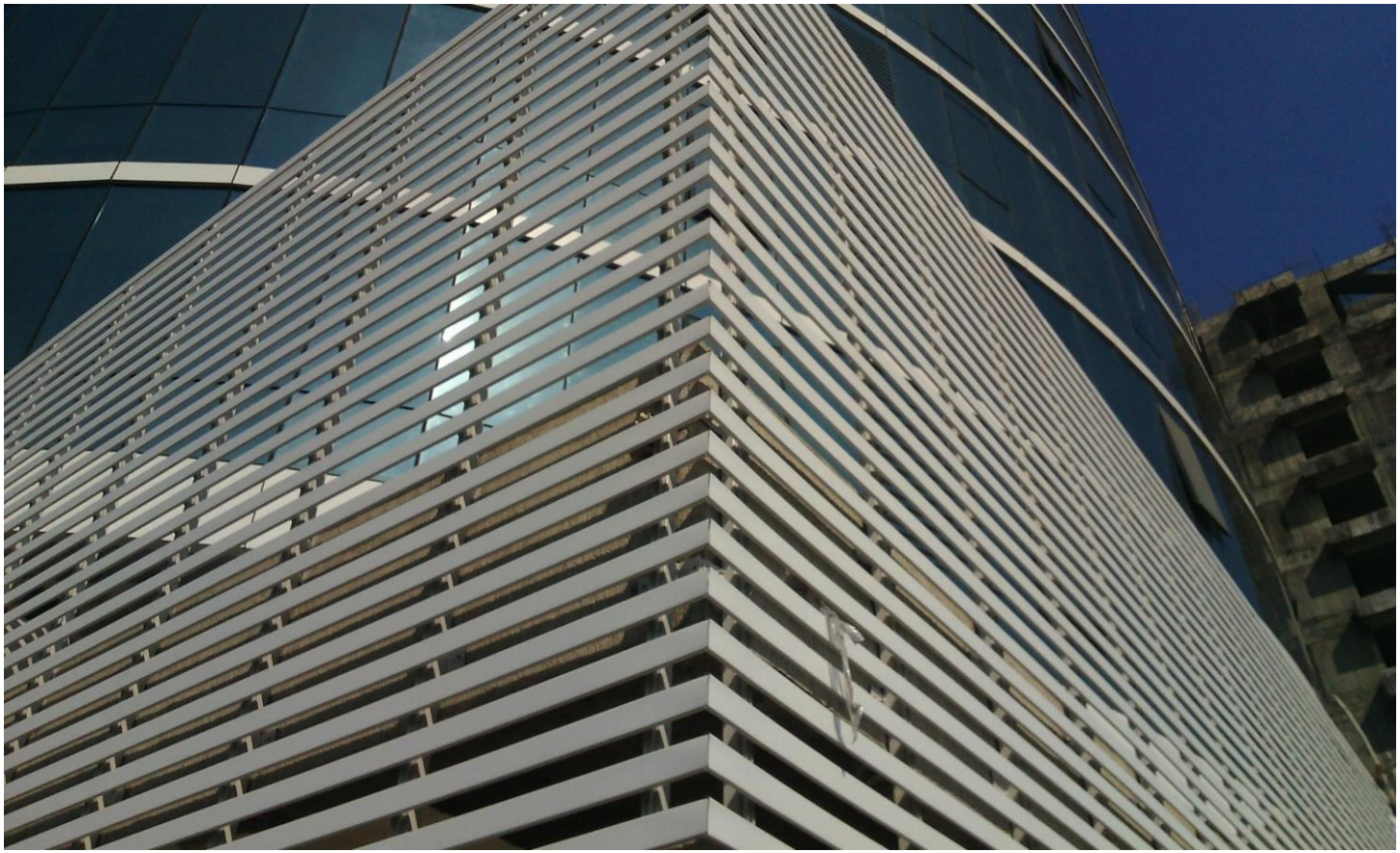
- 84R V1





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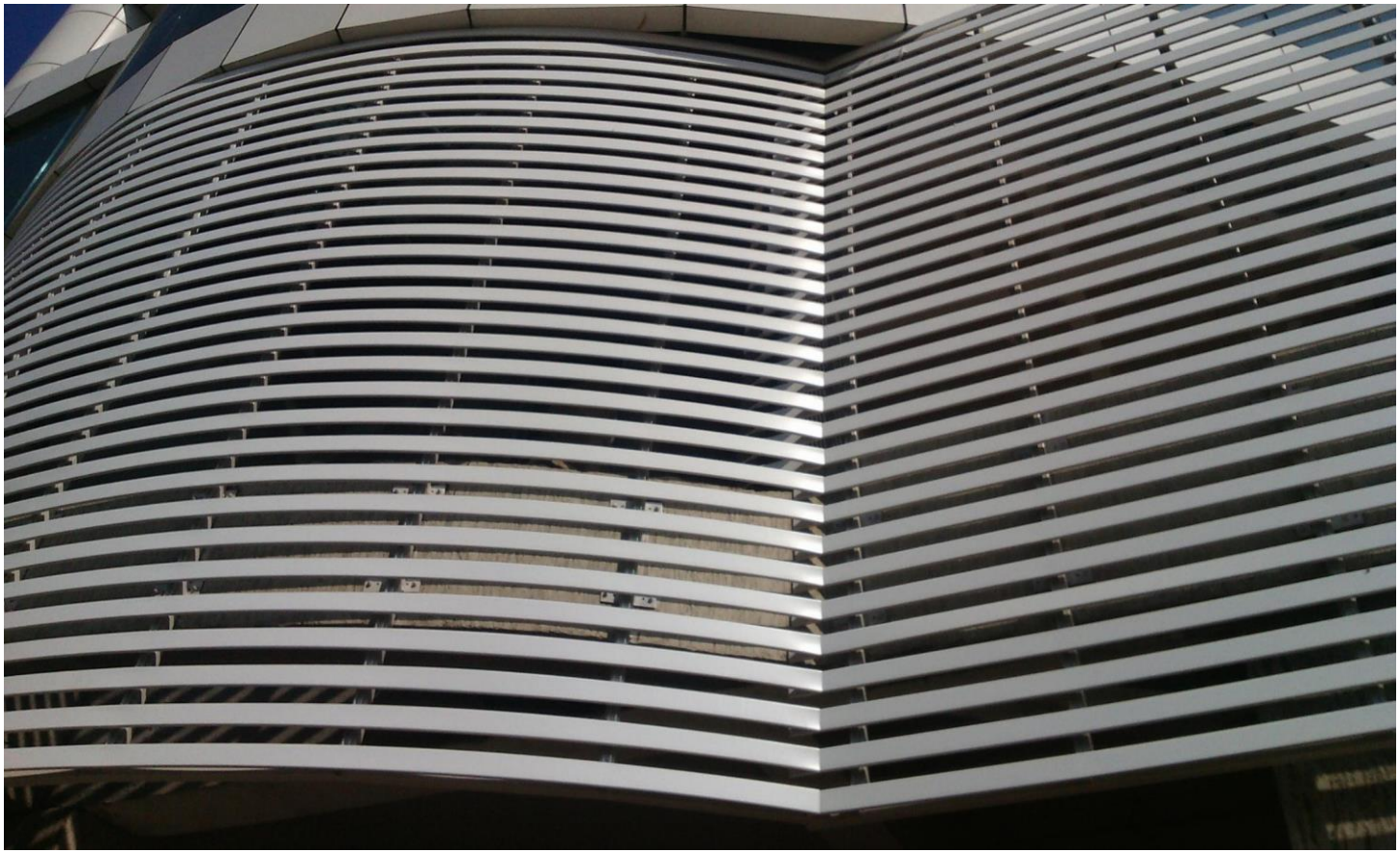

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- The Corporate park-Vashi



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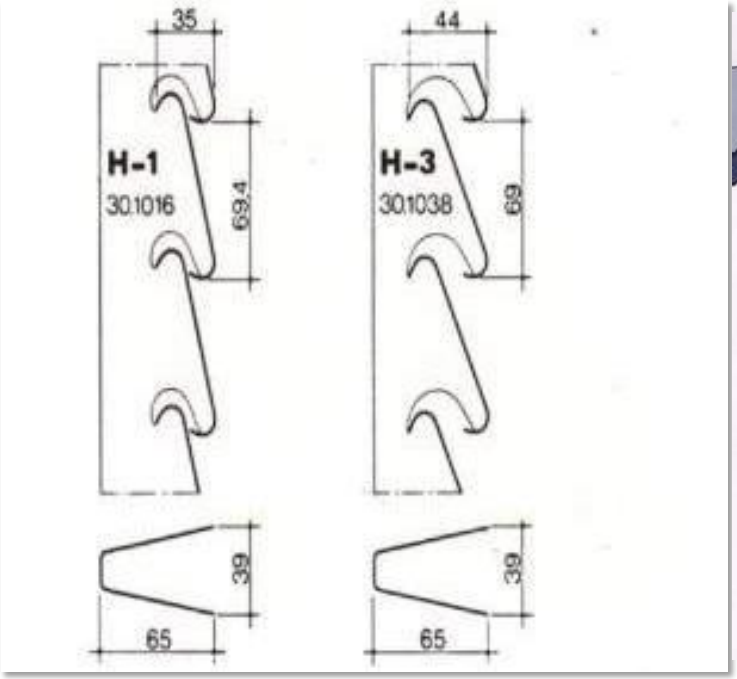
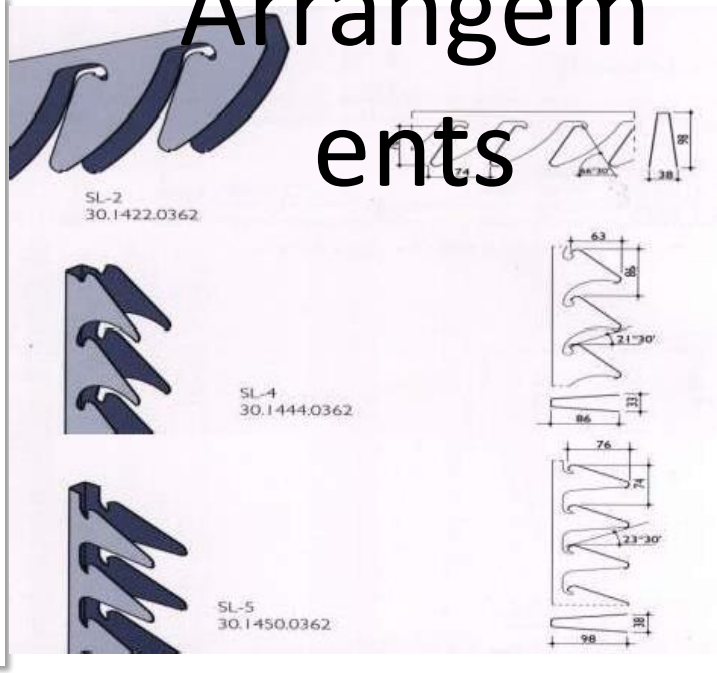
Other Louver Arrangements





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- **H-3 SYSTEM**

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- 84R on SL2 Stringer



- 84R H3/SL3 System- 66 degree angular louver with and 69 mm module



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- Corner Details



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- Smooth corners

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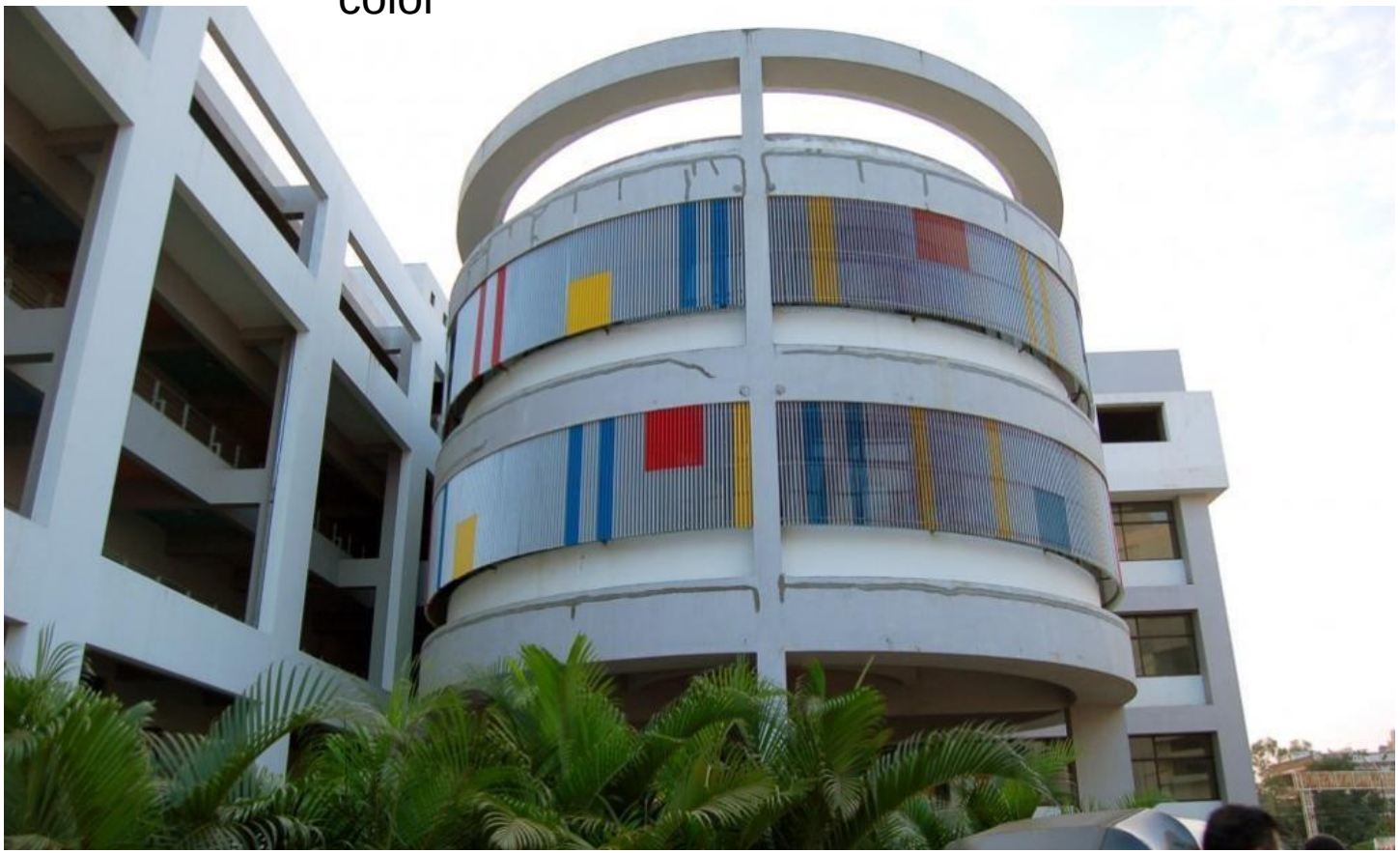
Multi Color
panels

- 84R multi color





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- Usage

- Parking Area



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- 84R SL 3 Louver to cover Ducts



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Residential Ceilings



- 84RSL4 LOUVERS

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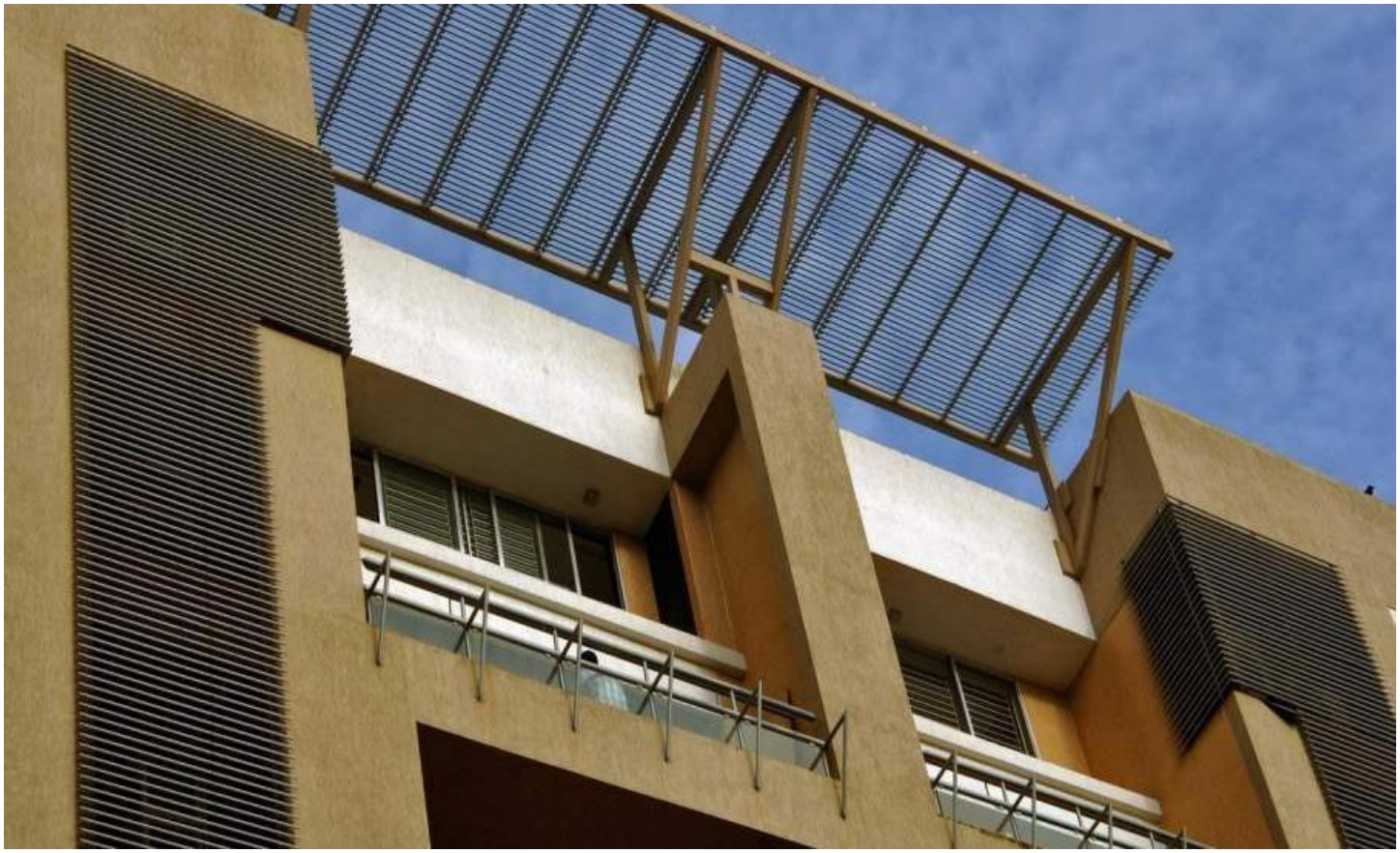

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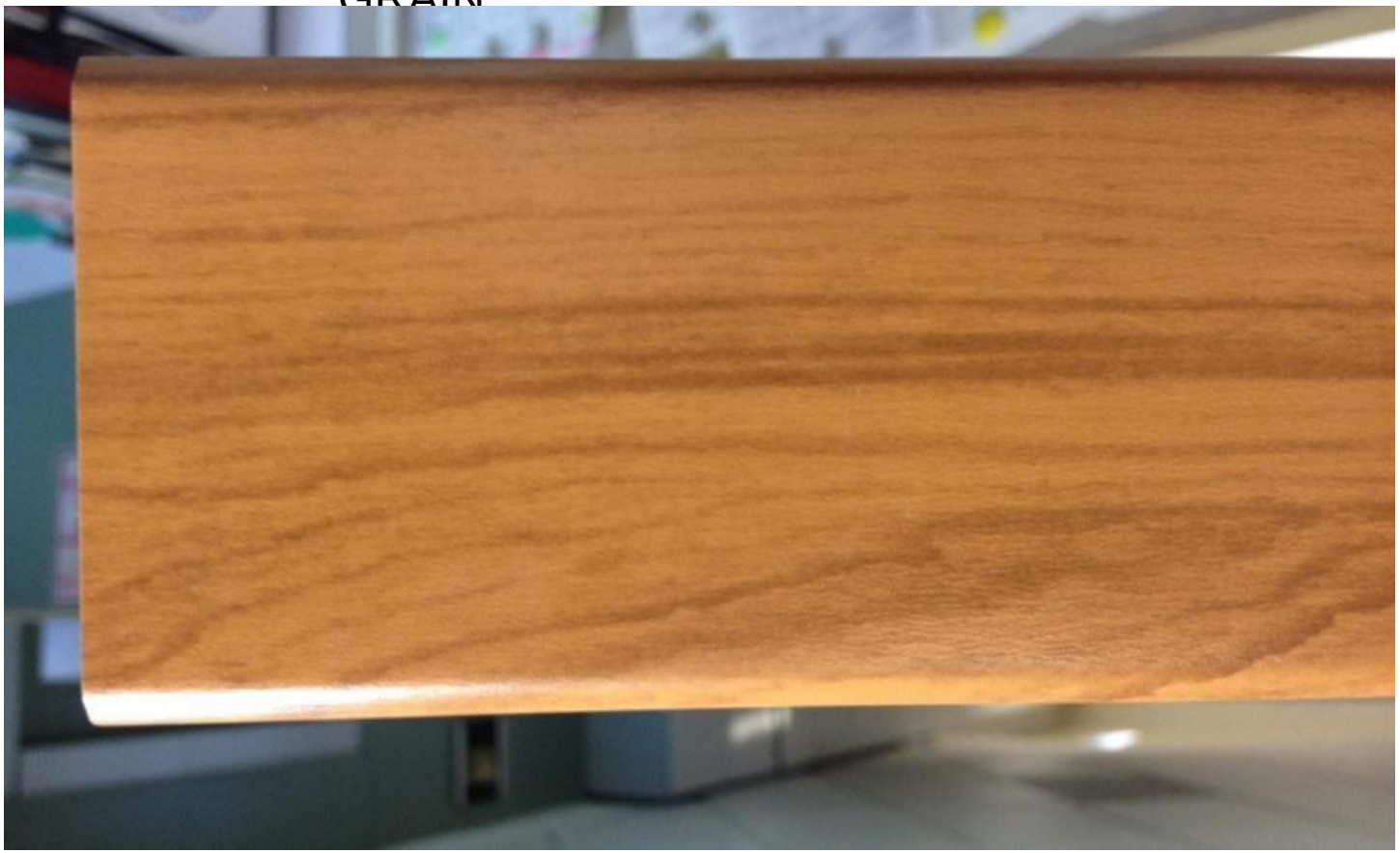
- WOOD GRAIN



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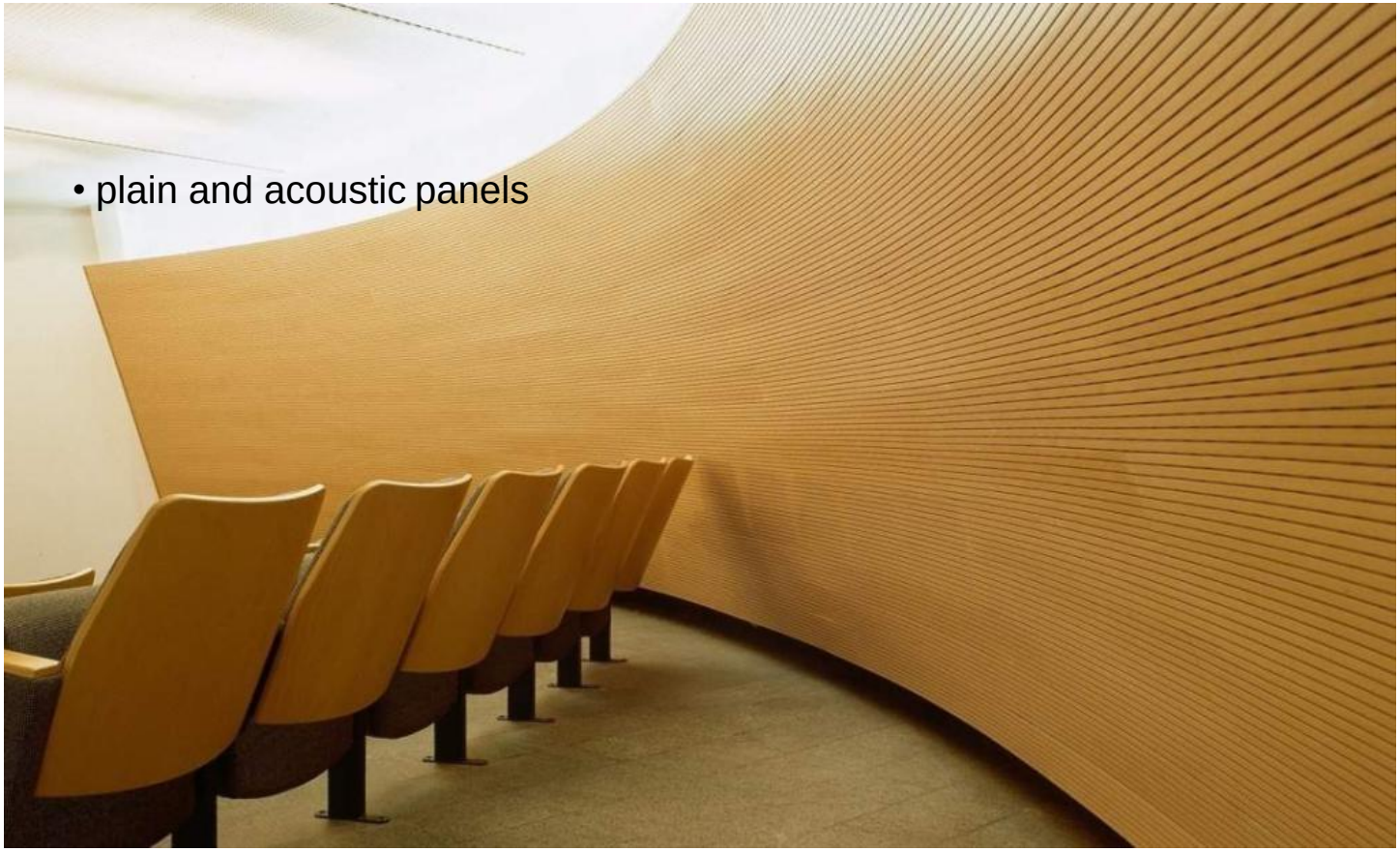

- Wood finish Wall Panels

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- Suzlon Energy - Pune





- Rishab Engg Nashik,


RELIANCE Life Insurance
Anil Dhirubhai Ambani Group
RELIANCE Life Insurance
Anil Dhirubhai Ambani Group
RELIANCE Life Insurance
RELIANCE Life Insurance
CQ



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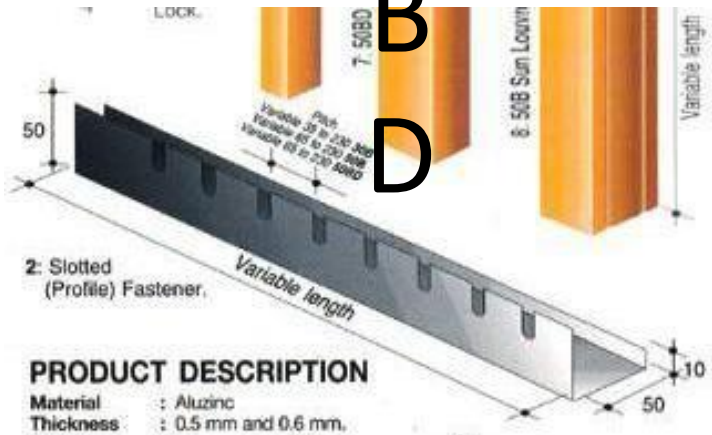
- Abott Hotel

50BD



2: Slotted (Profile) Fastener.

PRODUCT DESCRIPTION

Material	: Aluzinc		
Thickness	: 0.5 mm and 0.6 mm.		
Weight	:	0.5	0.6
	30B:	0.35 kg/Ml	0.42 kg/Ml
	50B:	0.71 kg/Ml	0.85 kg/Ml
	50BD:	0.54 kg/Ml	0.65 kg/Ml
Colours	: More than 100 **Luxalon** standard colours; special colours on request.		
Textures	: Plain and sand texture.		
Applications	: Panels linings and Sun Louvres (sun breaker or view breaker louvres)		
Lengths	: According to the requirements of the project. Because of handling difficulties, lengths above 12.00 m. are not recommended.		
Pitch	: **30B louvres:**	35 to 230 mm.	
	50B louvres:	65 to 230 mm.	
	50BD louvres:	65 to 230 mm.	

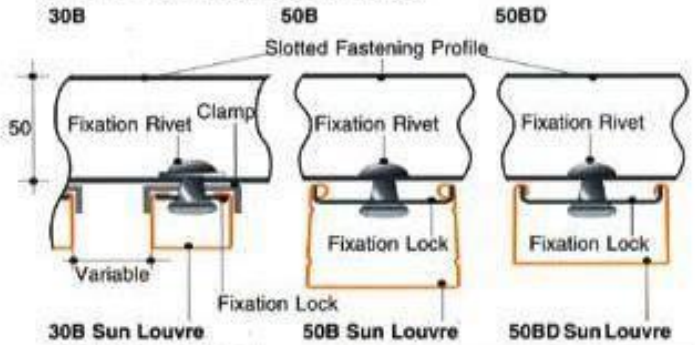
CHARACTERISTICS

View breaker formed by enamelled aluzinc **30B**, **50B** and **50BD louvres** panels, the separation between louvres being adjustable to design requirements. It is an architectural element consisting of lineal panels of a small modular width specially suitable for louvre type ceilings, eaves, closure of loggias, staircases

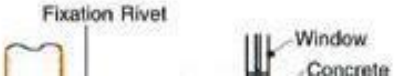


1: Bracket.
2: Slotted (Profile) Fastener.
3: Fixation Rivet.
4: Clamp.
5: Fixation Lock.
6: **30B Sun Louvre.**
7: **50BD Sun Louvre.**
8: **50B Sun Louvre.**

30B / 50B / 50BD CROSS SECTION A-A



CROSS SECTION B-B



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RelQ
Software Quality

- Fencing Application



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- Detailing



- Signature Island Bandra



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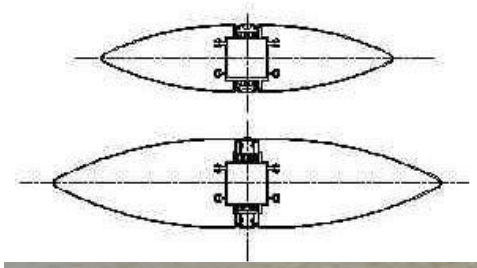
Double Aero-Brise

HunterDouglas®

”The Shape & Size”



Double Areobrise 300

Double Areobrise 400



- **FESTO CONTROL PROJECT AT AHEMDABAD**



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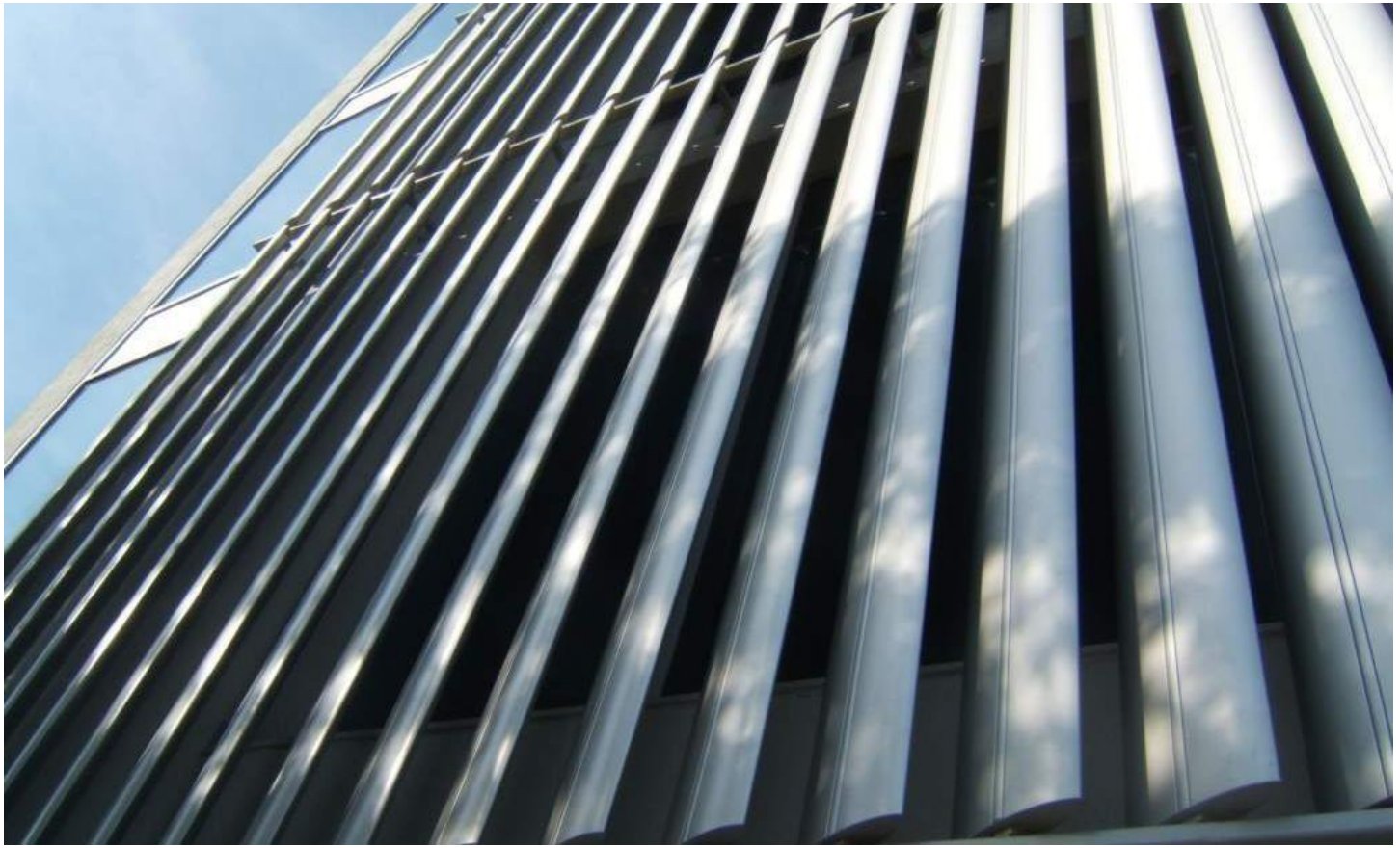

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Aero-Brise - Pictures

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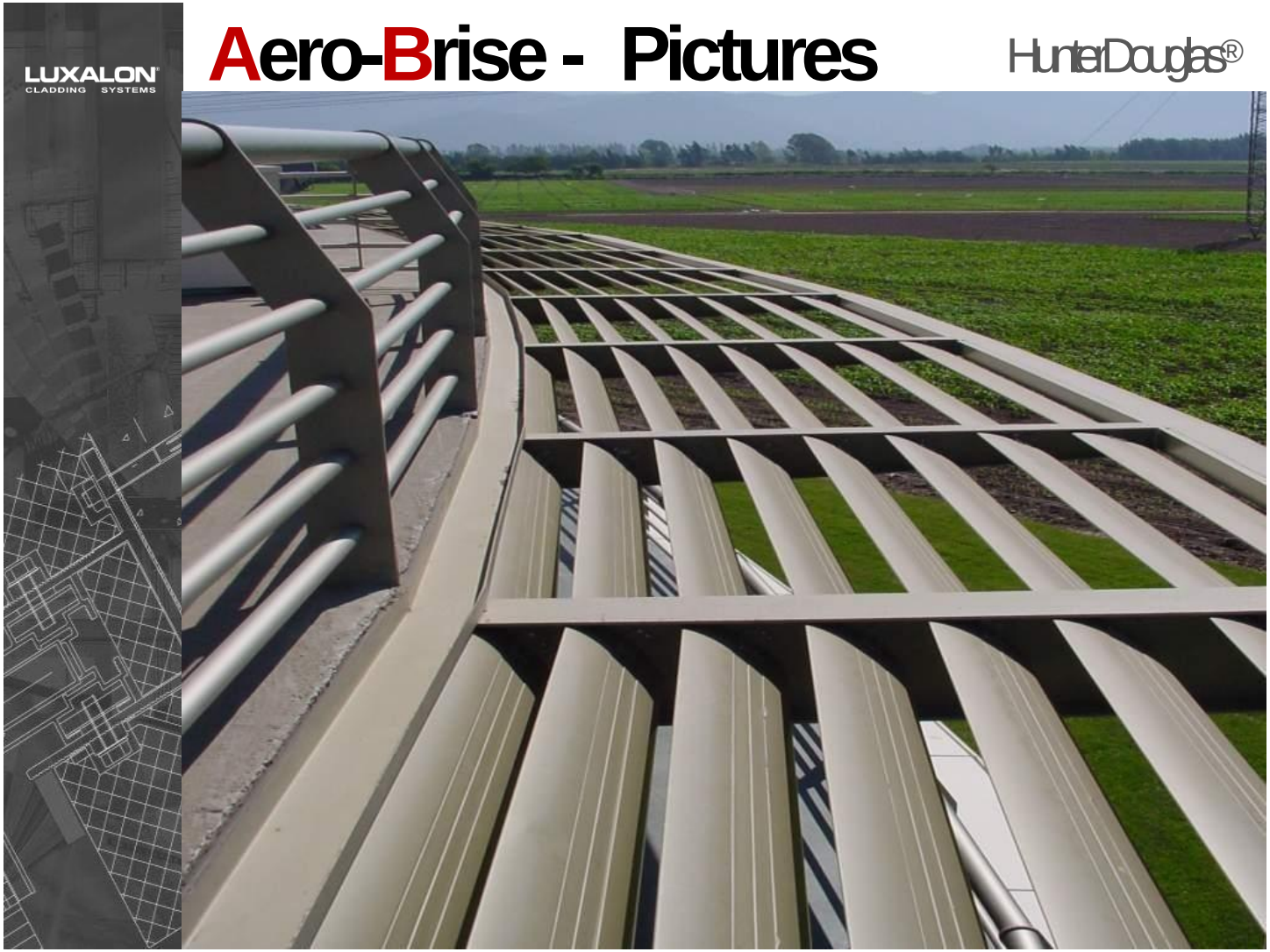

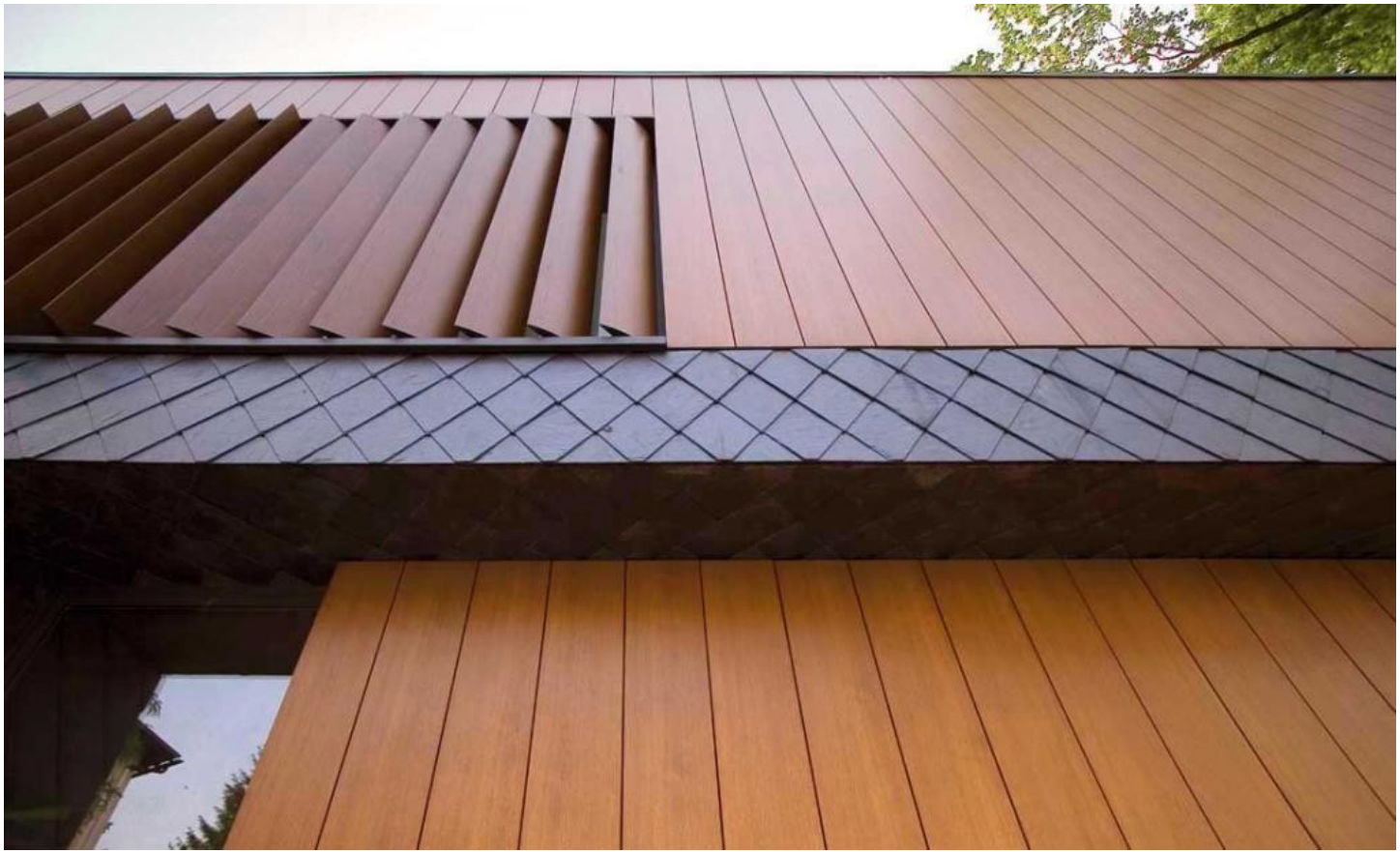

- Movable sunscreen

MET – Nashik
2000 Sq Mts



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ANZ BANK PROJECT AT BANGALORE –





India House Pune by Christopher Benninger Architects

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India House Pune by Christopher Benninger Architects.





SATYA MALHOTRA BUNGALOW
PROJECT

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Guangzhou Baiyun Int'l Airport,



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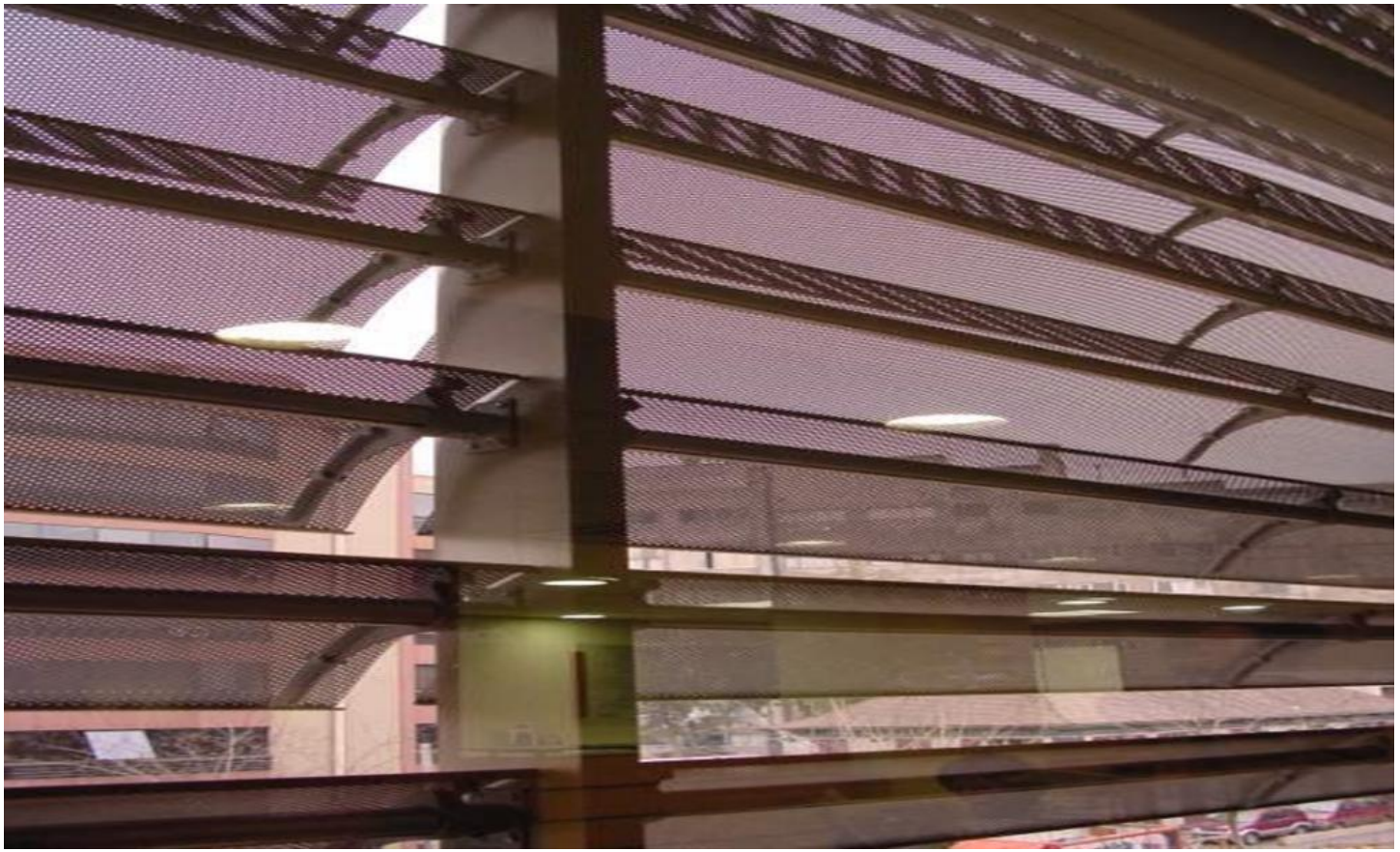

- SUN CONTROL SYSTEM

Ventilated Facade Systems

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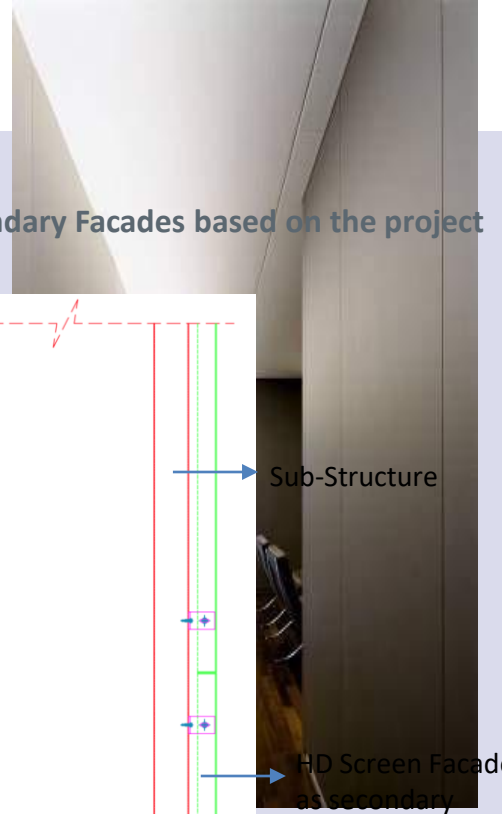
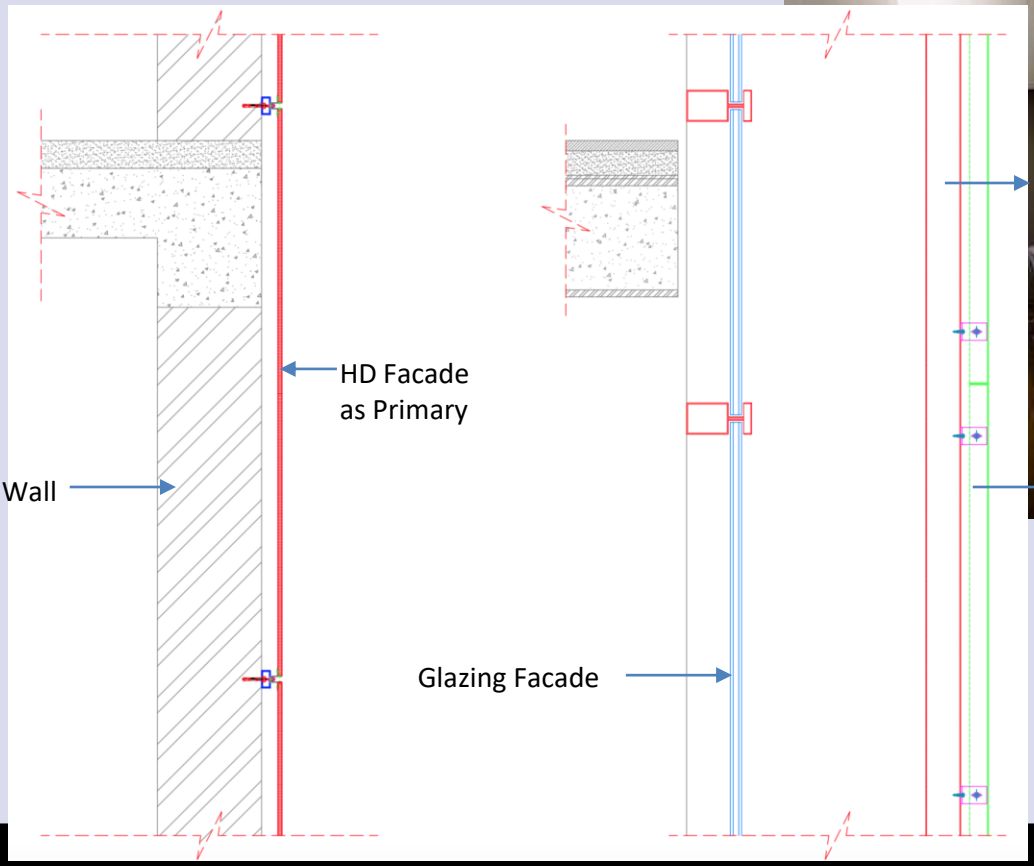


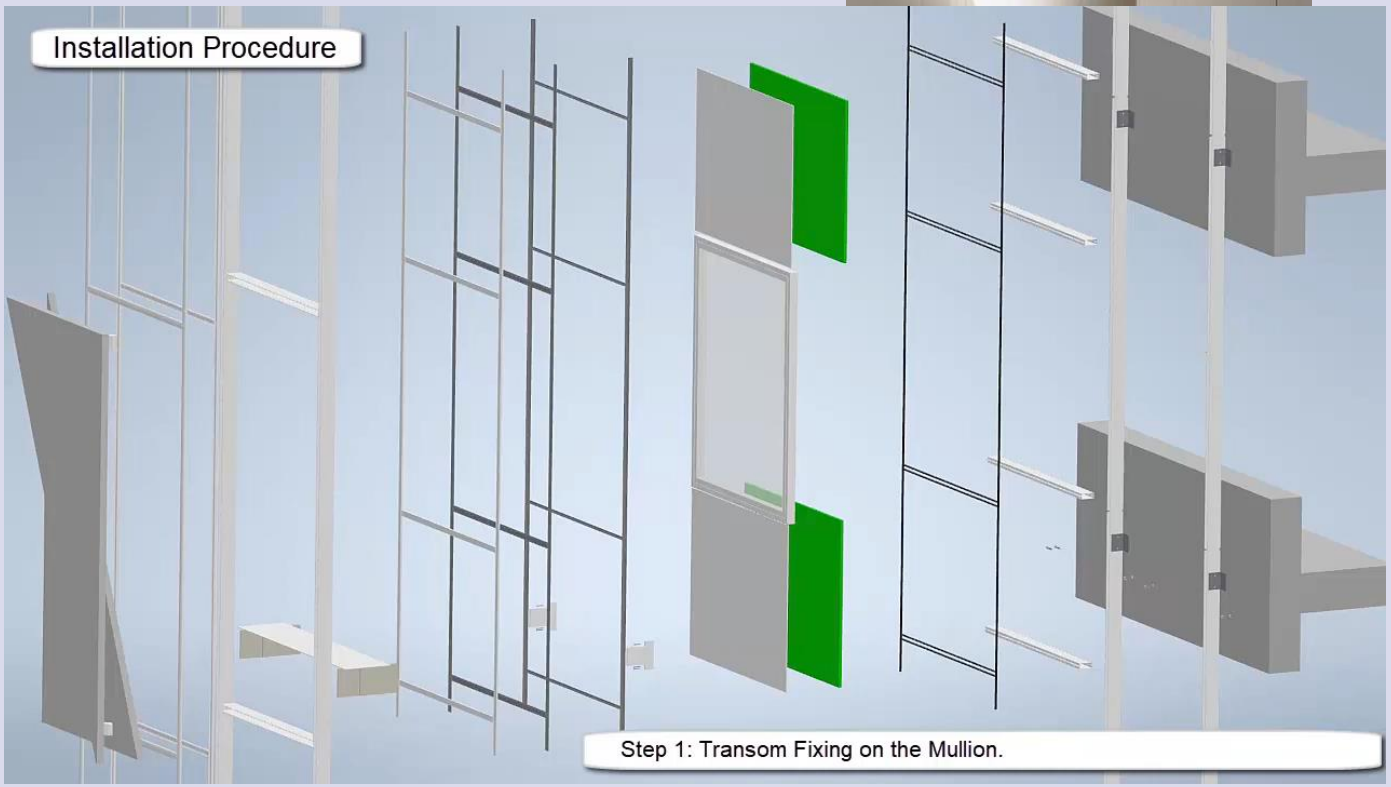
Hunter Douglas Facade can be classified as Primary & Secondary Facades based on the project application:



HunterDouglas

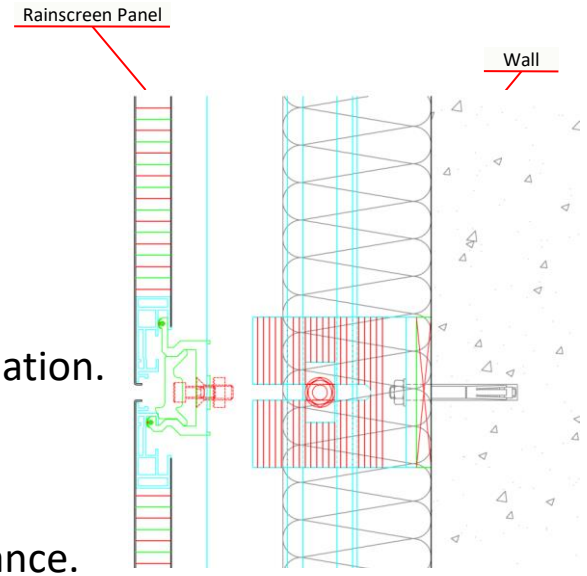
WINDOW COVERINGS | CEILINGS | SUN CONTROL | FAÇADES




Installation Procedure
Step 1: Transom Fixing on the Mullion.

Ventilated Rainscreen Primary Facade System

- Avoids condensation and humidity.
- Extends the façade's lifetime.
- Reduces structural movements.
- Improves thermal and acoustic insulation.
- Increases energy efficiency.
- Requires virtually no / low maintenance.
- Adds value to the building or home



Vertical Section

Principle of Ventilated Rainscreen Primary Facade

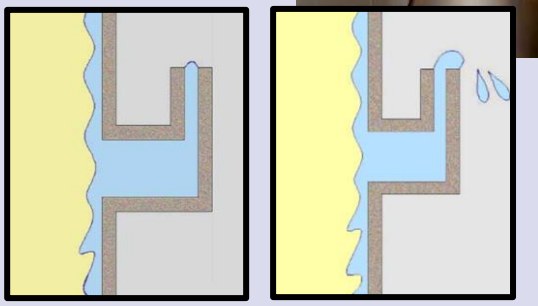


There are three (3) things required to create water damage: Water/Moisture, an opening, and a force to drive water.

通风雨幕技术

1. Kinetic　2. Surface tension　3. Gravity

It is the "Protected Opening " or design of the tile joint that is "key" to the performance of the Rainscreen.



4. Capillarity　5. Air-pressure differential

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WINDOW COVERINGS | CEILINGS | SUN CONTROL | FAÇADES



Principle of Ventilated Rainscreen Primary Facade

Rain screen Facade do not rely on sealants, but instead minimize the forces that act on a building

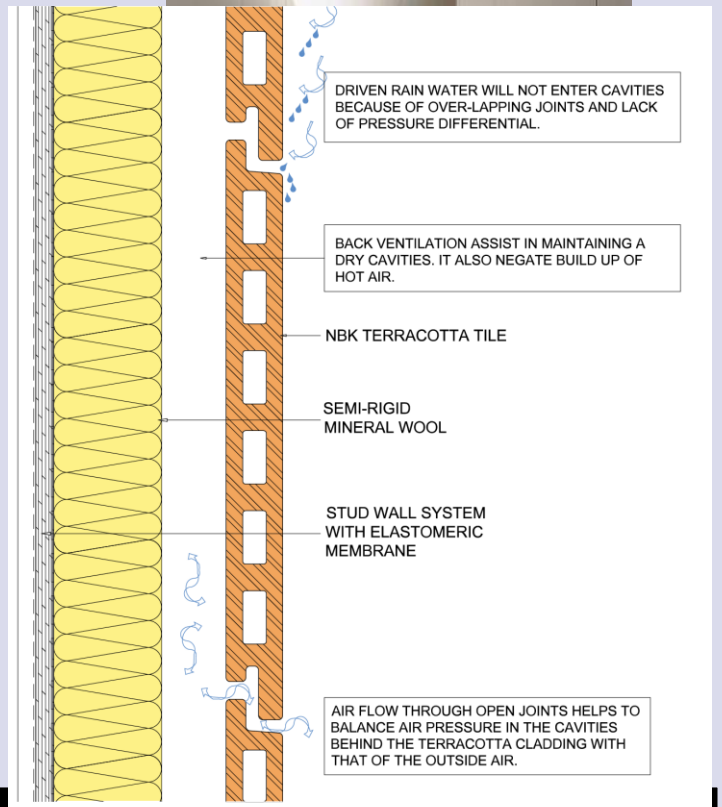
Kinetic energy – minimized by air cavity to break space and water-control extrusions behind joints

Surface tension – minimized through air cavity and shape of panels and extrusion profiles

Gravity - minimized through air cavity and vertical extrusions to channel water

Capillary action – due to separation of functions panel system minimizes bridging between panel system and supporting wall

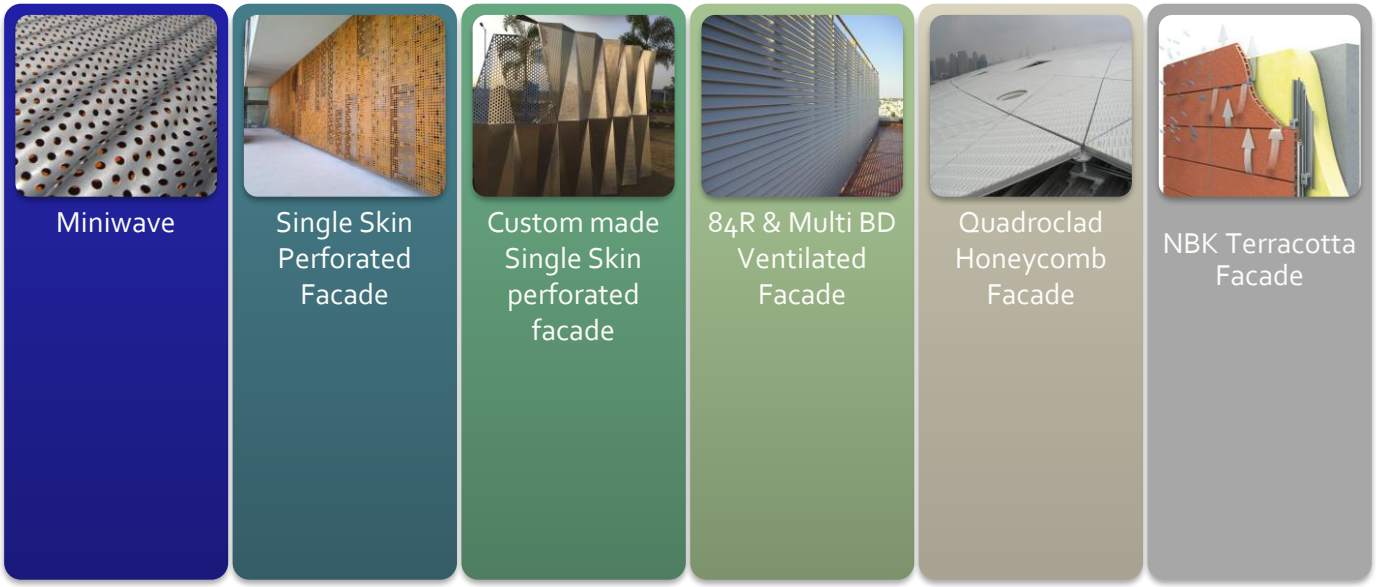
Air-pressure differential – minimized through open-joint design allowing pressure differential to dissipate



VERTICAL SECTION

通风雨幕技
Hunter Douglas
WINDOW COVERINGS | CEILINGS | SUN CONTROL | FAÇADES

HUNTER DOUGLAS VENTILATED FACADE PRODUCTS



Innovative Products Makes Innovative Projects

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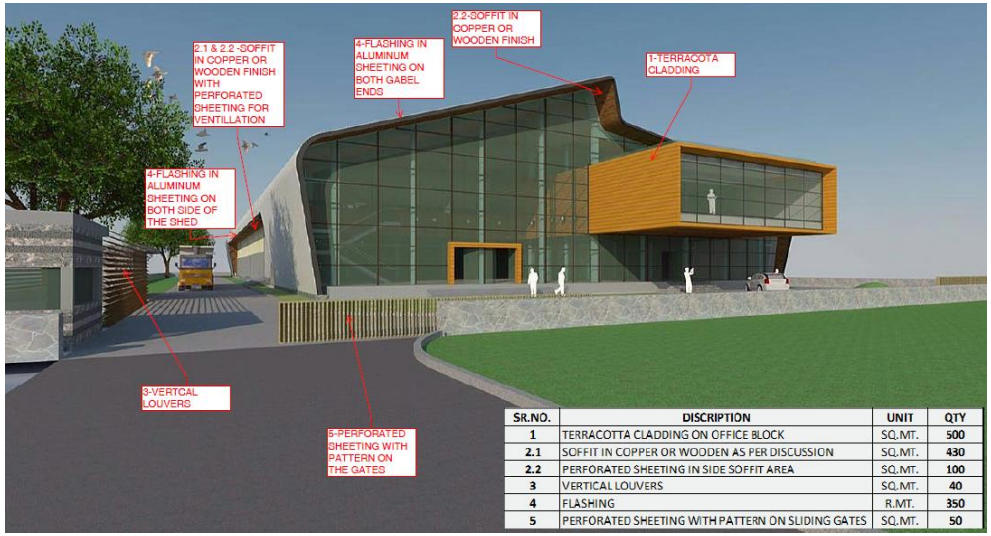

SR.NO.	DISCRIPTION	UNIT	QTY
1	TERRACOTTA CLADDING ON OFFICE BLOCK	SQ.MT.	500
2.1	SOFFIT IN COPPER OR WOODEN AS PER DISCUSSION	SQ.MT.	430
2.2	PERFORATED SHEETING IN SIDE SOFFIT AREA	SQ.MT.	100
3	VERTICAL LOUVERS	SQ.MT.	40
4	FLASHING	R.MT.	350
5	PERFORATED SHEETING WITH PATTERN ON SLIDING GATES	SQ.MT.	50







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Single Skin Perforated Facade

"Create outstanding visual impressions."



Key features

✓ Install vertically or horizontally.

✓ Large-size, large-format applications with materials such as aluminum, steel, zinc or copper.

✓ Random perforation using CNC technology, Water Jet / Laser Cutting technology.

✓ Crisp joint design.

✓ Individual panel can be demountable



Powergrid Project, Kurukshetra



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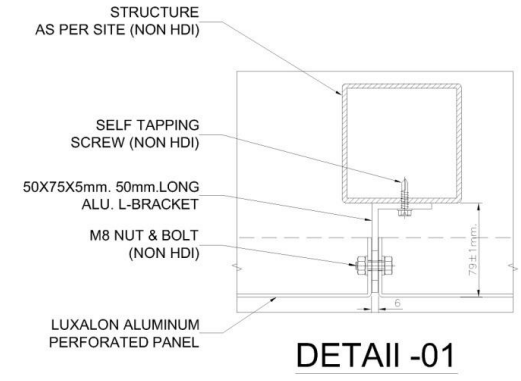
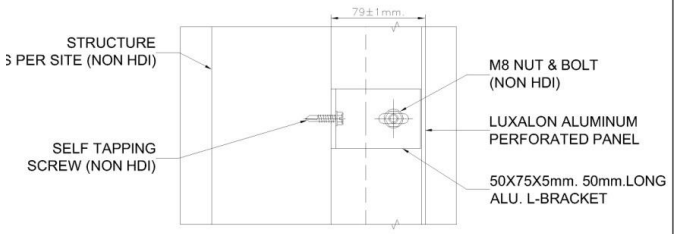


DETAIl -01



DETAIl -02

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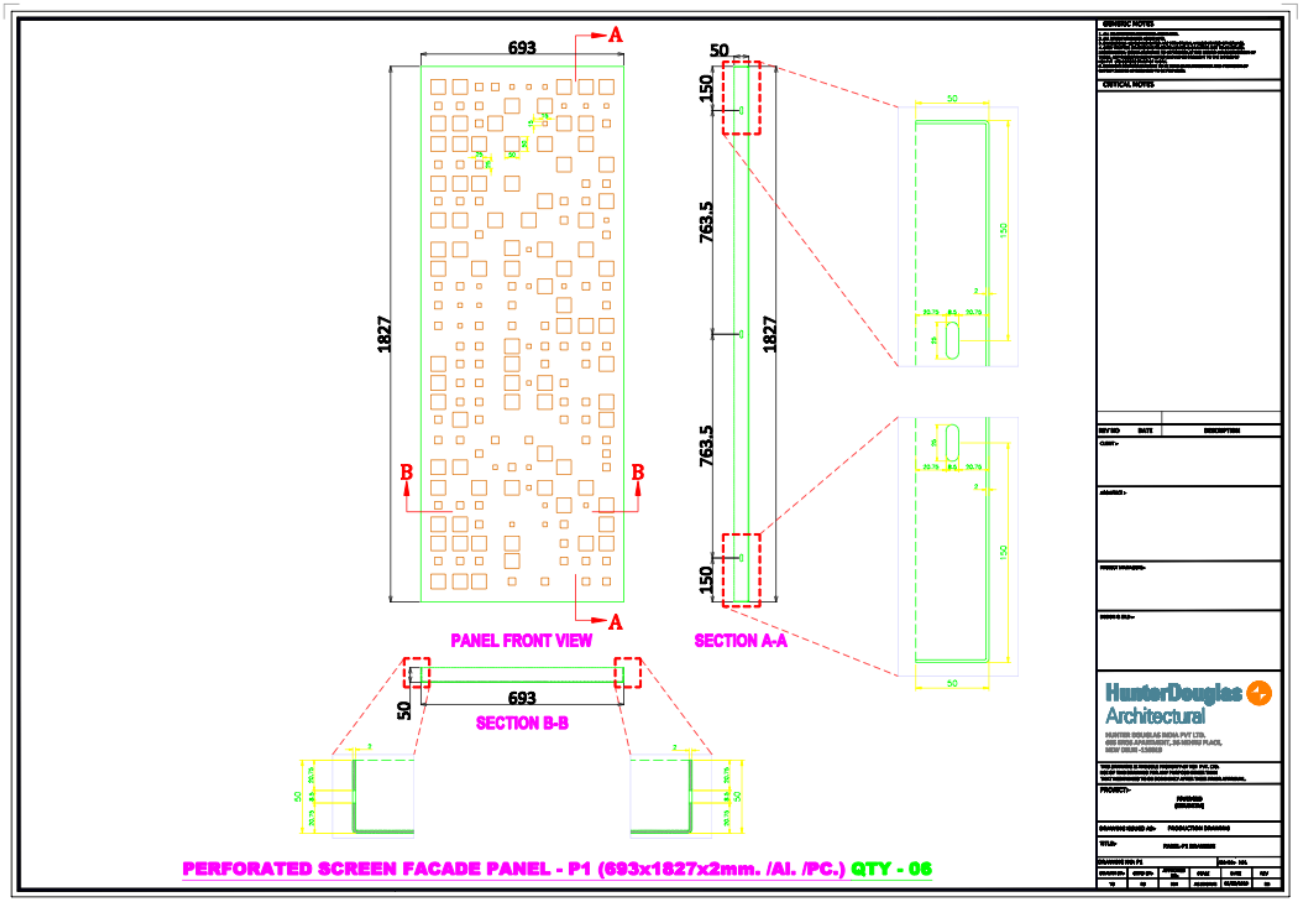
693
A
1827
B
B
A
PANEL FRONT VIEW
50
150
763.5
1827
763.5
150
SECTION A-A
50
693
SECTION B-B
PERFORATED SCREEN FACADE PANEL - P1 (693x1827x2mm. /Al. /PC.) QTY - 06
HunterDouglas
Architectural

Dhana Dhanya, Kolkata





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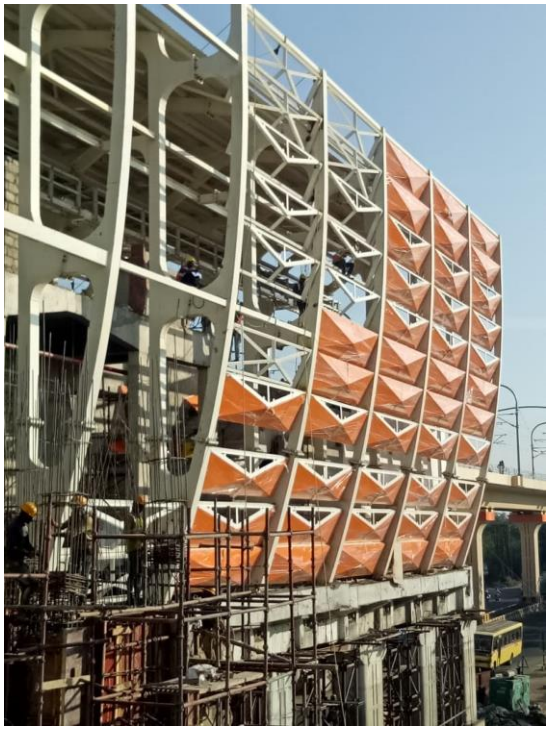
NAGPUR METRO RAIL CORPORATION

Product : PERFORATED FACADE





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ELECTRIC VEHICLE CHARGING STATION


PDE
Panama Diamond Exchange





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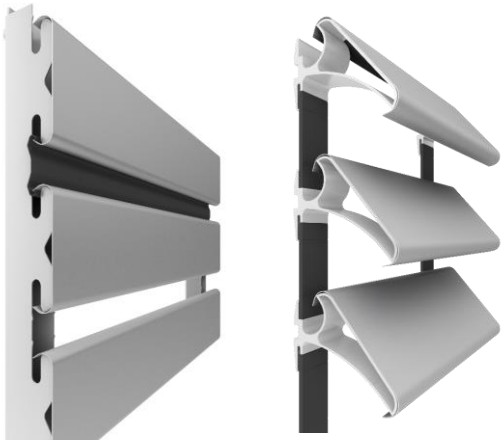
84R Ventilated Facade

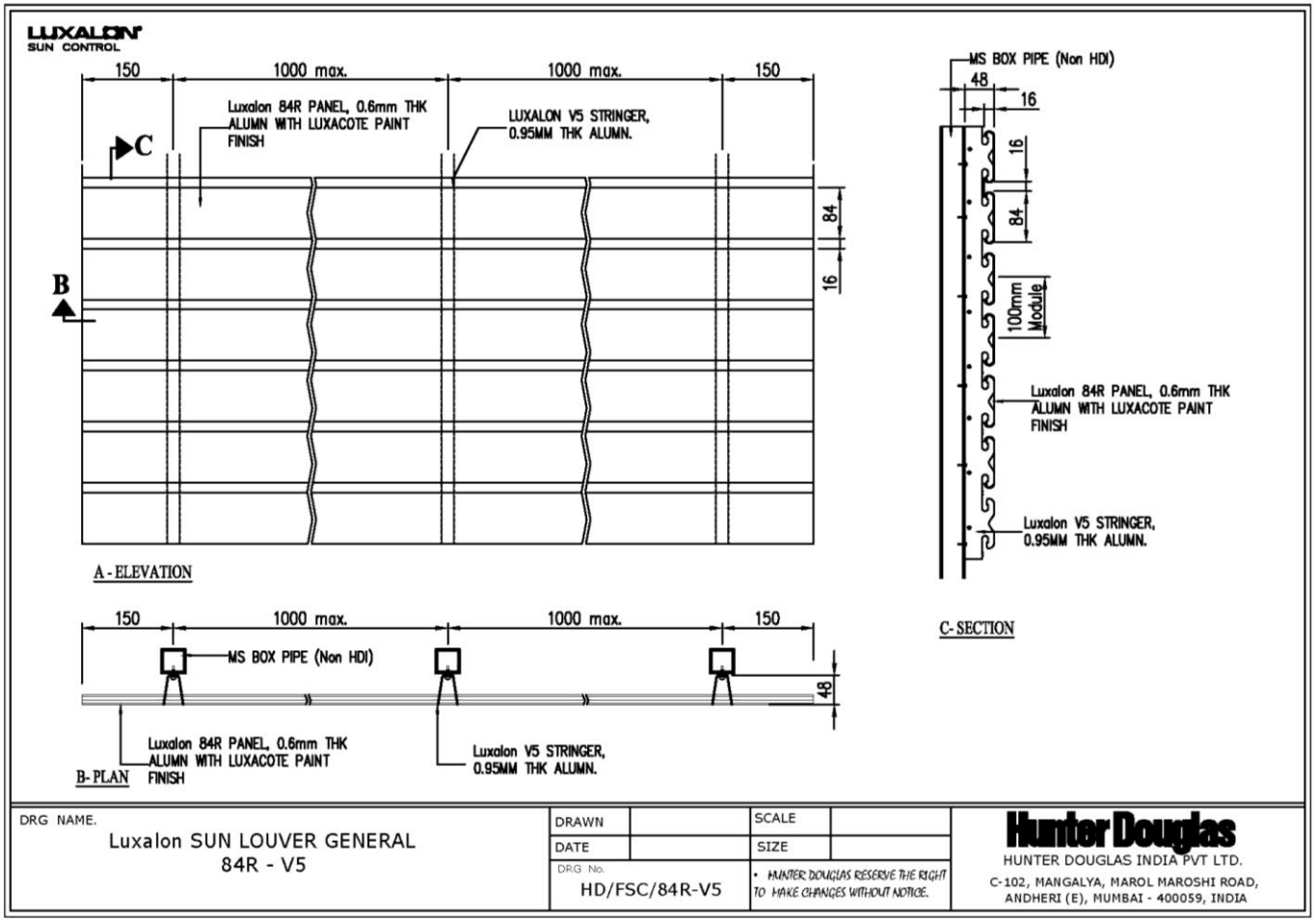
"Aesthetically strong and highly functional"

Key features:

- ✓ 84R (111 X 0.6 mm) are roll formed panels, with smooth round edges that provide an elegant and light appearance."
- ✓ Made to measure from 900 mm up to 6000 mm.
- ✓ System projected horizontally or positioned vertically.
- ✓ Connecting panels can create long linear runs.
- ✓ A range of standard carriers to create different appearance.
- ✓ Curved facades can be achieved using 84R curved panels.
- ✓ Wide range of Luxacote® & PVDF color finishes.







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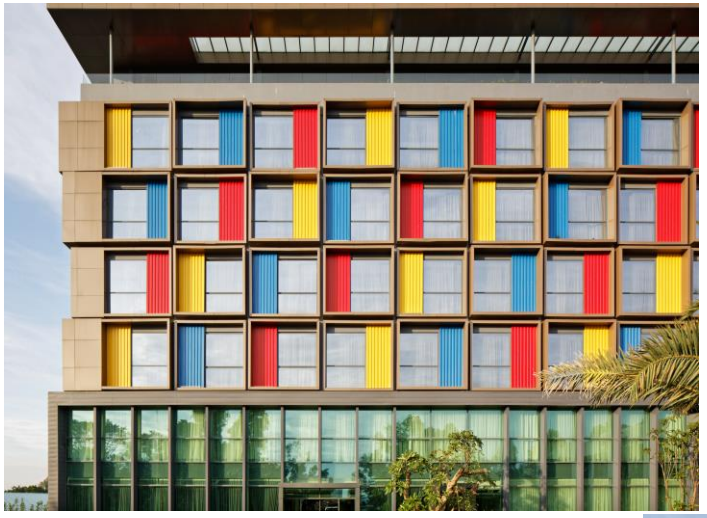



IBIS Style Batam, Indonesia
fx architect s+udio”





Ster Shopping Mall, Poland
MAAS, 2015

Shell Project



Architect : Axis Facade

Product : Perf Curved 84R , V22

Total Project Qty : 15k Sqm



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84R Sun Louver / Facade

Project : Shell Group
Location : Surat , India
Product : 84R Sun Louver / Facade









© 2017 I Product Presentation

HunterDouglas Architectural

Raghuvir Shell Project, Surat



Architect : Axis Facade
Product : Perf Curved 84R , V22
Total Project Qty : 15k Sqm

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Mock up at site





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Multi BD System – 30BD, 40BD, 50BD, 60BD, 75BD…

"Straight and smooth lines."

Key features

- ✓ Panel width : 30, 40, 50, 60, 75 mm.
- ✓ Panel Depth: 40, 50, 60, 75, 80, 100….mm
- ✓ Standard length : 4000mm.
- ✓ Al. thickness : 0.6, 0.7, 0.9, 1.2….mm.
- ✓ Variable Modules



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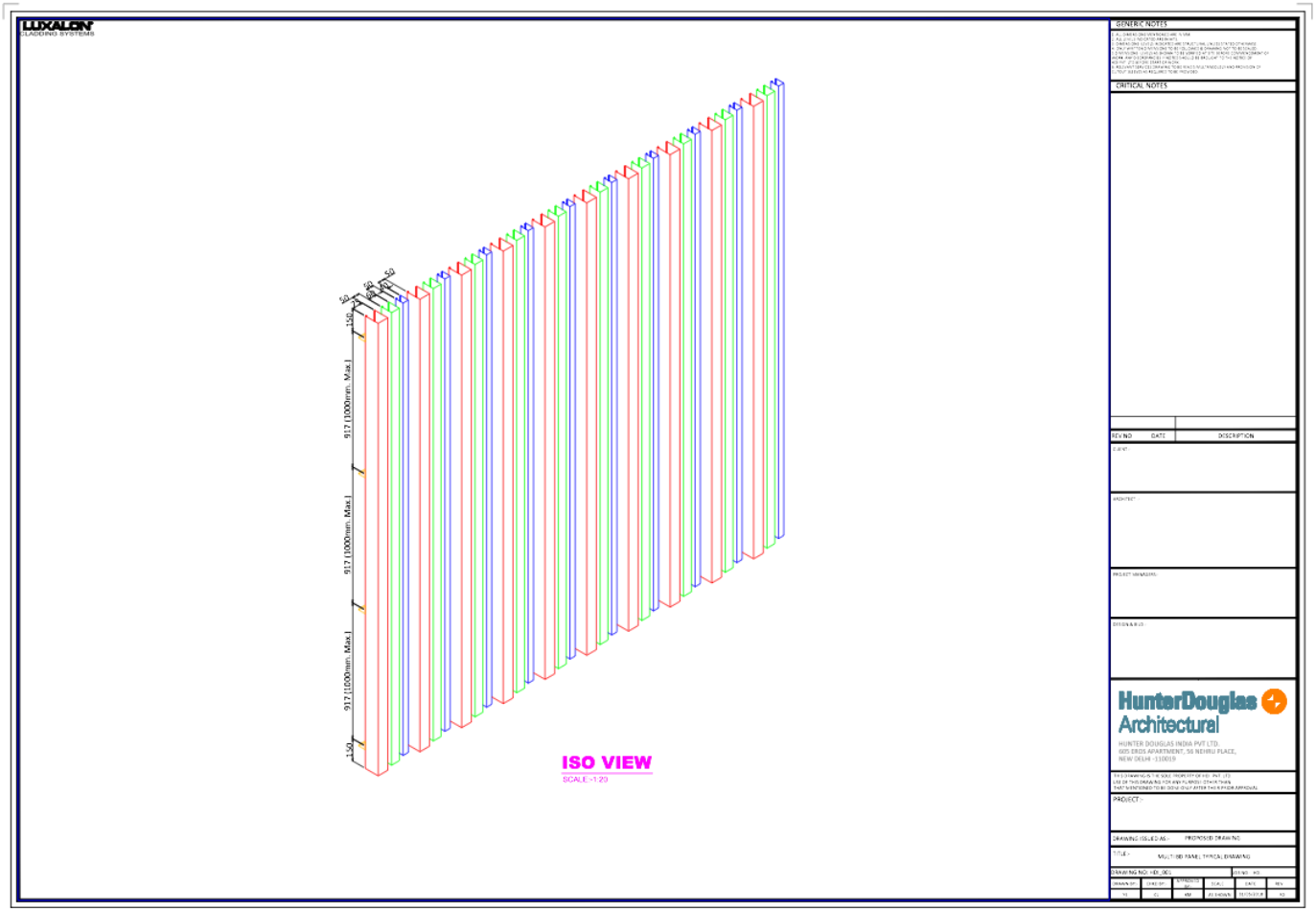

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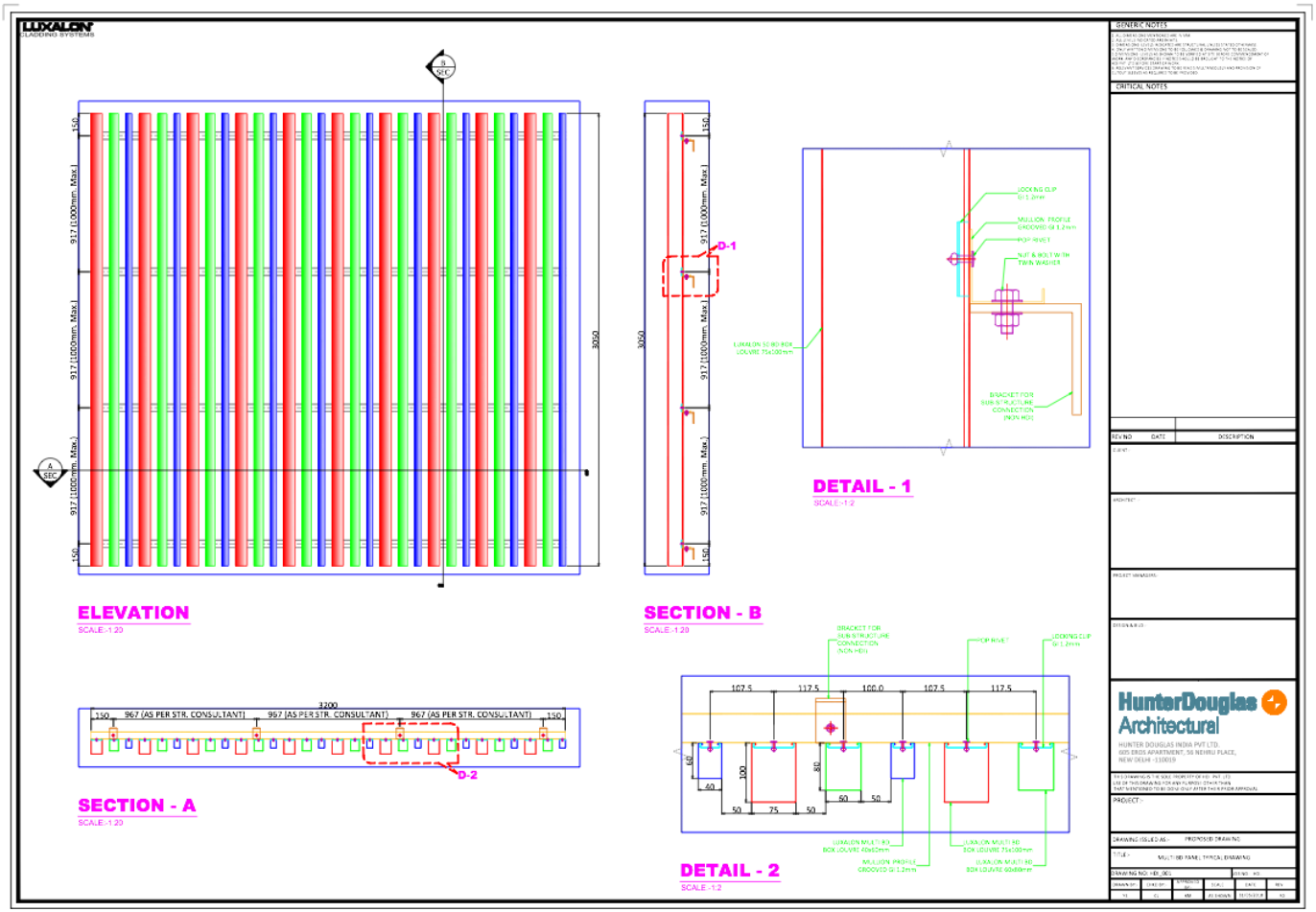

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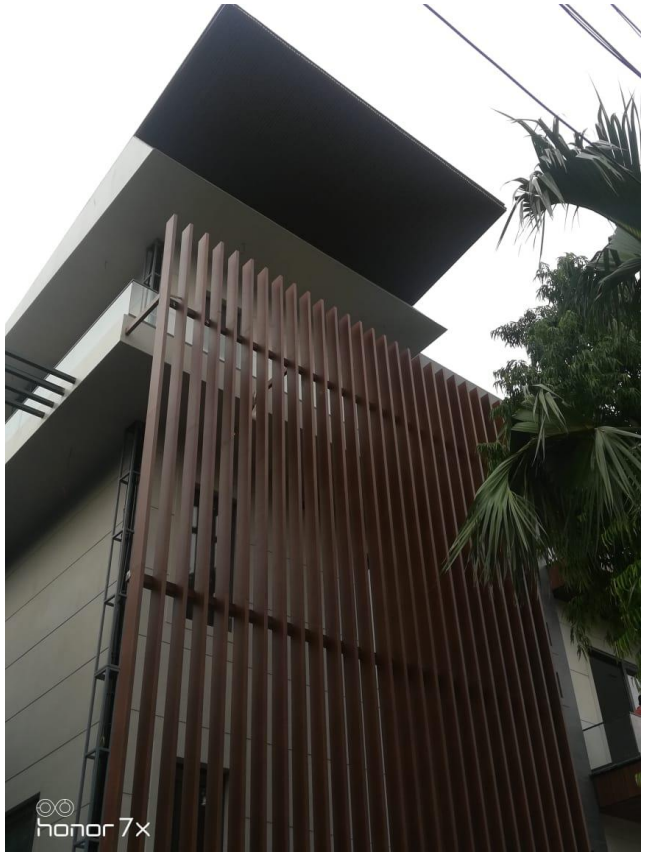
Project: Residence, Delhi – Completed





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QuadroClad® Systems

This is a unique honeycomb cladding system based on rain-screen technology.

Design features

✓ Extreme flat panel surfaces

✓ Extra-large panel modules up to 1200 x 6000 mm

✓ Made to measure

✓ Large choice of skin materials, colours and designs

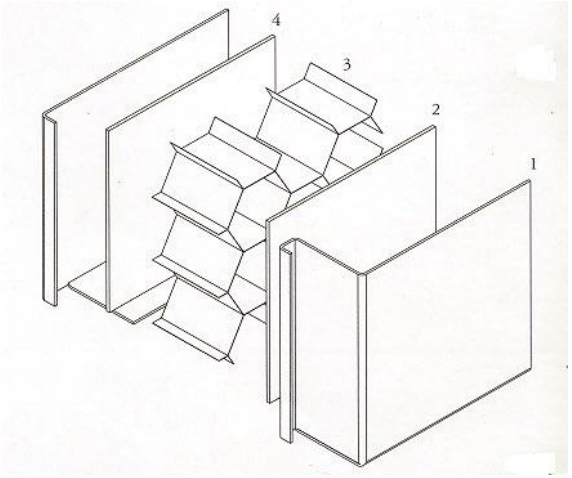
✓ Design freedom in panel shapes

✓ Easy installation and individually removable

✓ Suitable for extreme technical requirements

✓ Variable area of applications

✓ For new build and over-cladding projects



1 = outside skin
2 = PU comp. glue
3 = Al honeycomb
4 = PU comp. glue
5 = inside skin

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QuadroClad

Key Features

- Excellent Finish
- Much Flatter than glass



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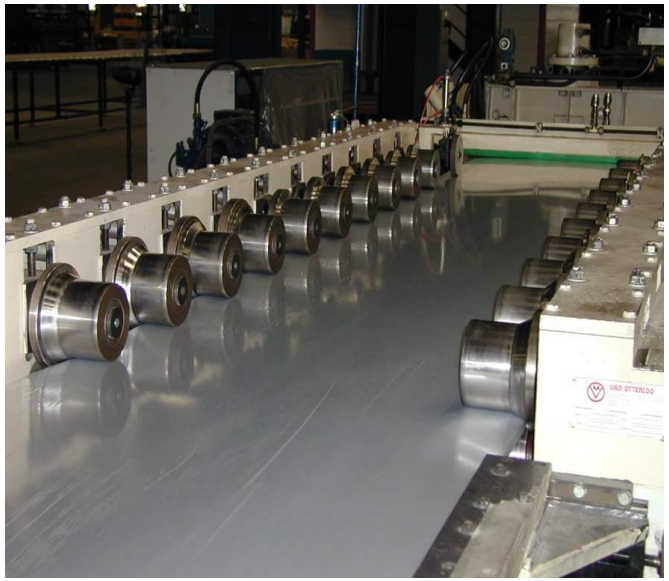
Roll Forming Technology

- Extensive practical experience since the 50s
- Controlled step-by-step forming, minimizing tension in the material
- High precision & accuracy in panel dimensions
- Continuous process, resulting in high speed in delivery
- Cost Efficient manufacturing









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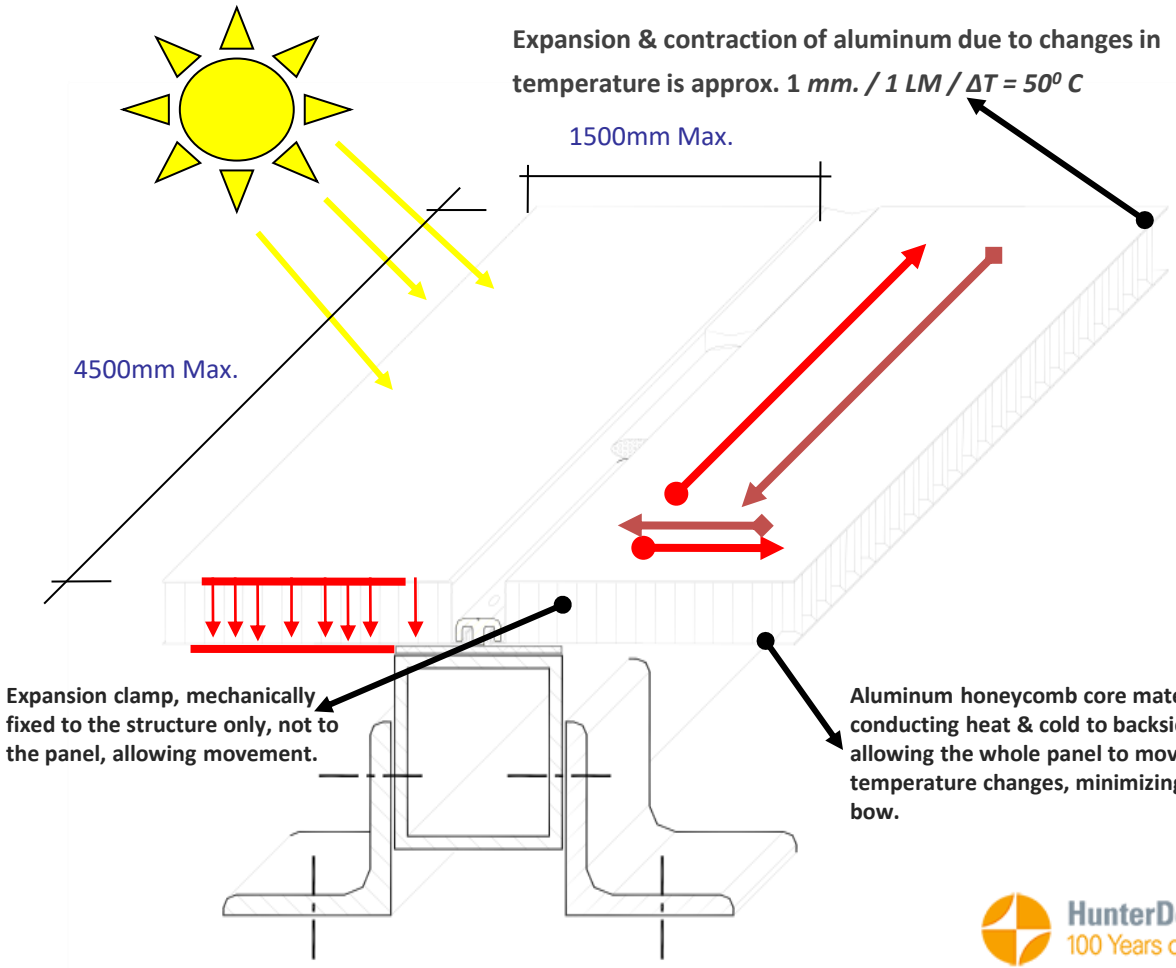
Innovative Products make
Innovative Projects



Why we need to take care of expansion!



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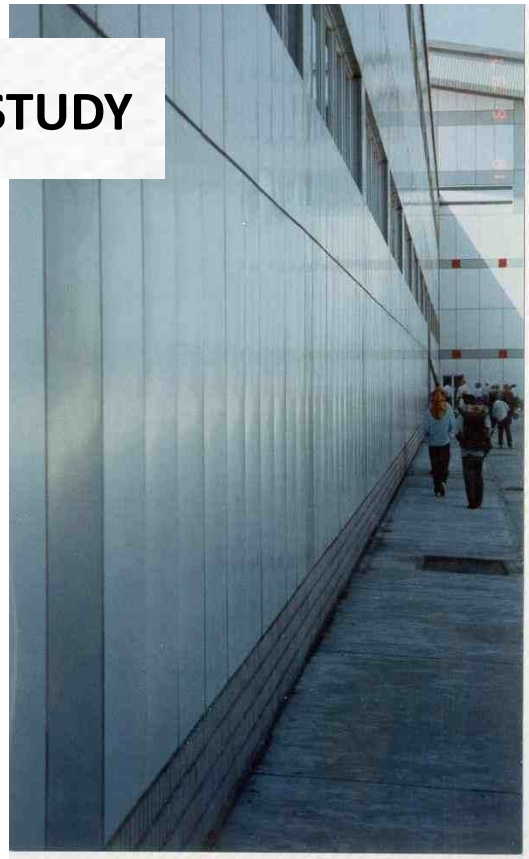
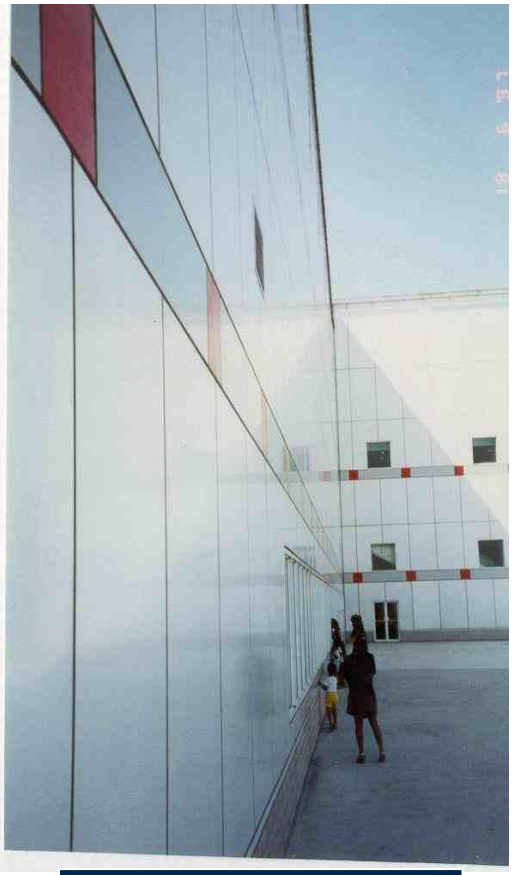
CASE STUDY

Innovative Products make
Innovative Projects



Non-flat single skin cladding



Extremely flat honeycomb cladding

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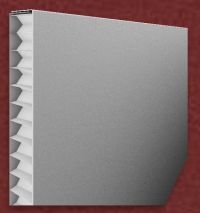
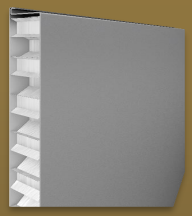
Quadroclad Facade System - 5 Types



QC50

- Two folded Al Layers with honeycomb core inside
- Std Thickness: 10 - 25 mm
- Std Size: 1100 X 4500 mm
- Std Joint width: 10 - 15 mm



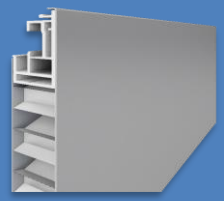
QC100

- Roll formed edges for easy installation
- Std Thickness: 10 - 25 mm
- Std Size: 1100 X 4500
- Std Joint width: 15 - 25 mm



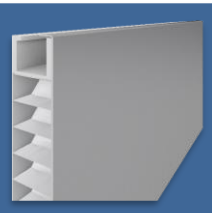
QC200

- Fully engineered with extruded top profile
- Std Thickness: 25 mm
- Std Size: 1200 X 6000
- Std Joint width: 10 - 15 mm



QC300

- Specially designed Aluminium extruded profile
- Std Thickness: 25 mm
- Std Size: 1200 X 6000
- Std Joint width: 10 mm



QC500

- Extruded profiles encased between 2 folded Al. layers
- Std Thickness 25 - 35 mm
- Std Size: 1200 X 6000
- Std Joint Width: 10 - 15 mm

QuadroClad® QC50

"The QC50 is our BASIC panel for easy installation and due his simplicity perfect applicable both interior and exterior."



Top 5 unique features

✓ Applicable in interior and exterior (walls, ceilings etc.)

✓ A high quality panel, designed for both vertical and horizontal application

✓ Made to measure panels and a perfect finish at all sides.

✓ Suits a lightweight substructure and easy to shorten to any length.

✓ Perfect for renovations



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QuadroClad® QC100

“The QC100 is our EASY panel, easy installation is guaranteed by using the supplied fixing profiles.”

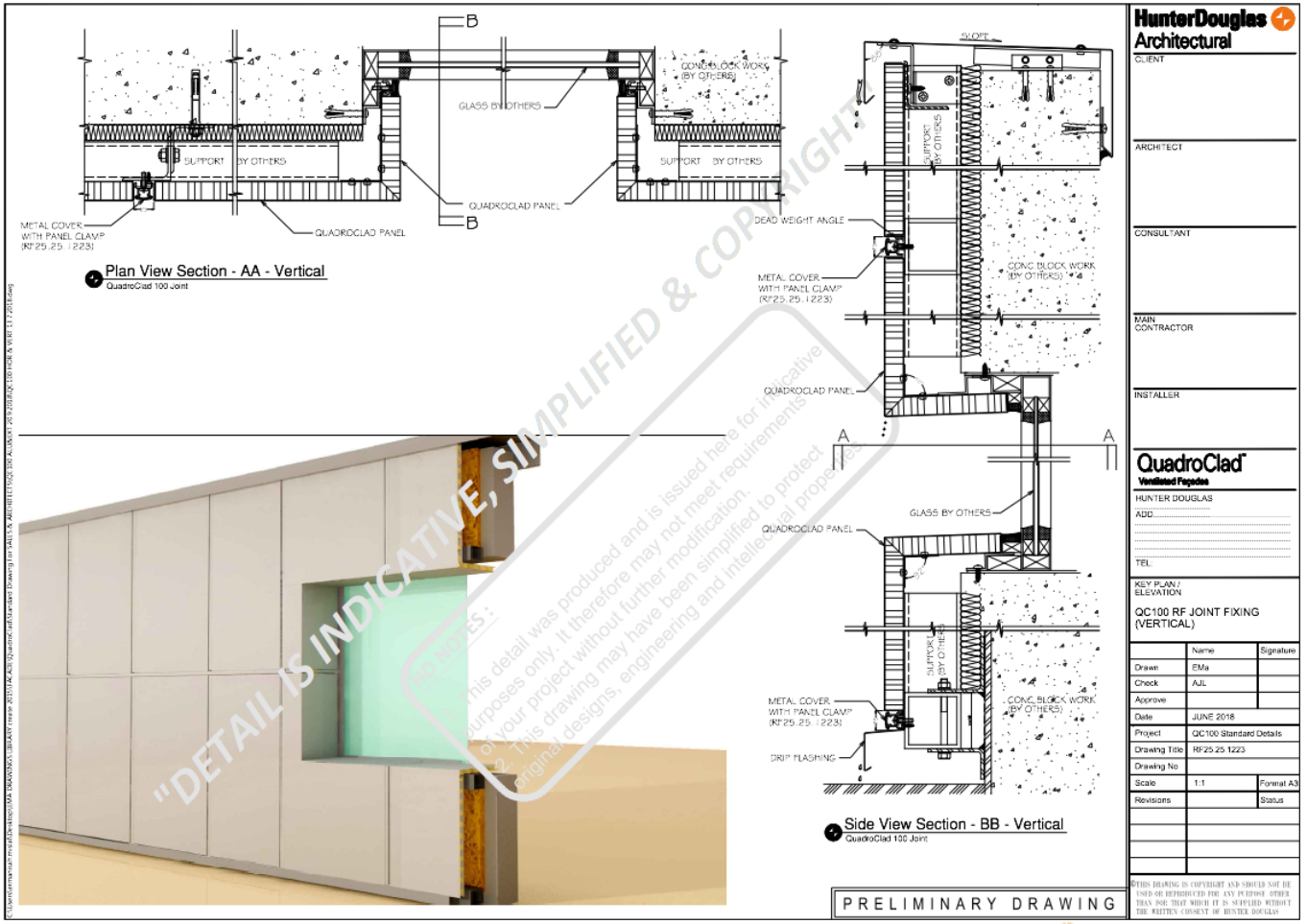


Top unique features

✓ Easy installation due roll formed edges and fixing profiles
✓ Fits at almost every substructure
✓ Variable joint solutions
✓ Designed for vertical application







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QC100



NBK28



NBK B..



AF-200

84R, SL-4



BASF PROJECT, MUMBAI





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Sandwich Wall

"Outstanding design, functionality and comfort"

Design features

✓ Prefabricated in factory, up to 1200mm x 12000mm.

✓ High-density thermal insulation rock wool compound presents high panel flatness and large strength.

✓ Wide variety of panel shapes for creating curved surfaces, corners.

✓ Suitable for external walls or internal walls partitions.

✓ Bi-modular panel ends, creating interlocking joints to all 4 panel sides.

✓ Slows down the heat/cold from coming through the wall.

✓ Using insulated panels large energy savings can be made!

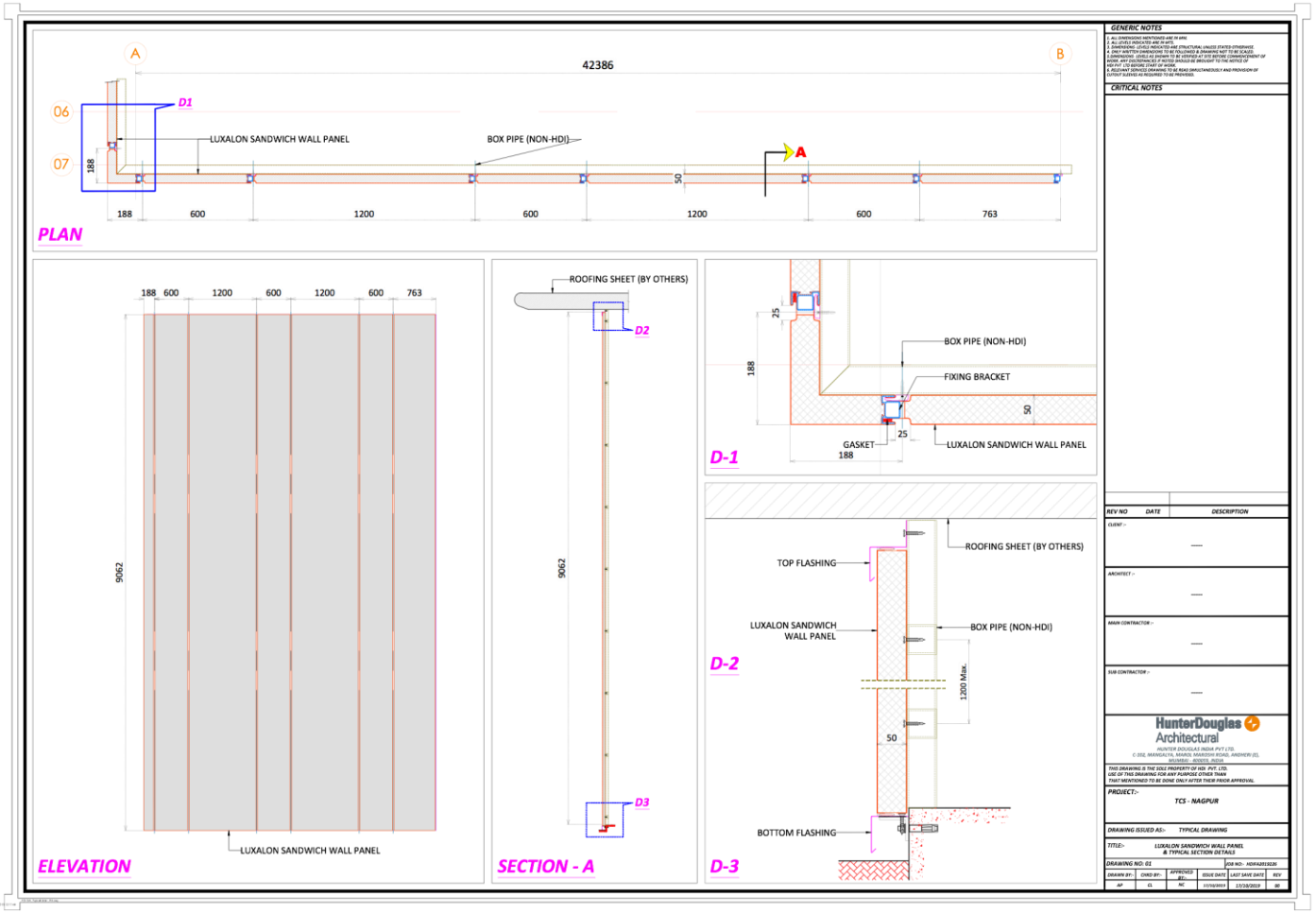
✓ Both sides of the panel can be used exposed, if needed!

✓ Luxalon Sandwich panels look modern, flat, many color options!



GE Medical Service Wuxi, China





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HDIAP FACTORY,
SRICITY, ANDHRA PRADESH. INDIA



Case Study

AURIC PROJECT, AURANGABAD: Front View



Rear View



Key Strategies

Five Fingers Principle (Pancha Bhutas)



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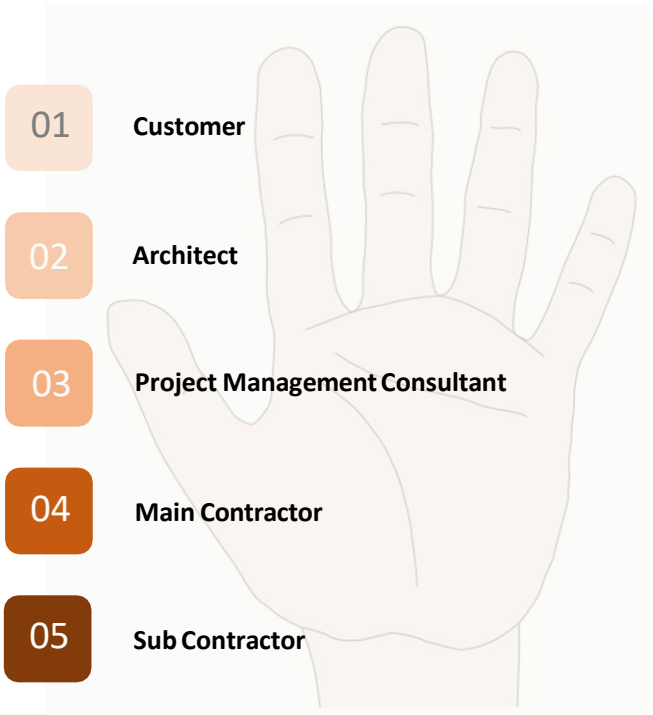
Five Finger connected with People





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Key Strategies



Business is People

- Building strong relationship with Architects / Consultants.
- In-house presentation @ Architect's office.
- Sincere & Aggressive approach with confidence.
- Strong Product knowledge



Don't go with the crowd. Offer something different and if possible, unique.

- Focus on proposing multiple HD products in a single project.
- Promote bigger size of facade Panel, In-house coating, Green Certification, Roll formed products, 25 years of experience in India.
- Use HD India AP Factory as strong marketing tool to give confidence to the architect



Focus on Essentials

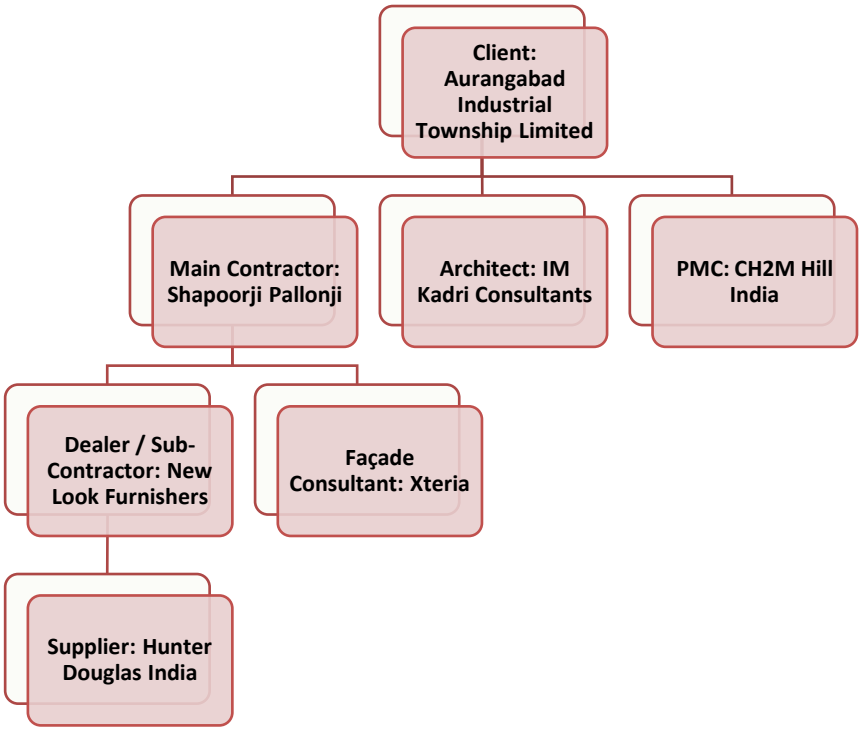
- Focus on every detail of the project and go into the depth.
- Setting yourself up in the right position: to be in the right place with right people at right time with right solution.
- Working on a strategy of offering complete facade solution.



Focus on Impressive Proposals

- Impressive techno-commercial proposal which helps a lot in specifying our products.
- Hand samples & Mock ups
- Draw hand sketches of product fixing detail during the meetings with arch / Client.
- Make project oriented technical presentation to Arch for better understanding.

Project Information









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Project Introduction

- AURIC Hall (Aurangabad Industrial City) is a landmark administration building project has been built for Delhi - Mumbai Industrial Corridor (DMIC) - India's New Global Manufacturing and Trading Hub.
- DMIC is one of the world's largest - infrastructure programme to develop new industrial cities as "Smart Cities" & converge next generation technologies across infrastructure sectors.
- AURIC is the new integrated industrial township and India's first Greenfield Industrial Smart City.
- In the 1st phase, 8 new cities are being created. With an estimated investment of US$100 Billion, a high-tech industrial zone is planned, spread across 6 states.
- AURIC Hall Project Design is based on city's heritage architecture. Building is covered with an intricate modular Hunter Douglas Perforated Screen Facade system.



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Satellite View of AURIC



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Front Elevation of AURIC



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Tender Specifications

Tender Specification for Façade

PROJECT - PROPOSED AURIC HALL, SHENDRE-BIDKIN INDUSTRIAL AREA (SBIA), AURANGABAD, MAHARASHTRA.							
PRICED BILL OF QUANTITIES							
DSR Reference		S.No	Description of Work	Unit	Quantity	Rate	Amount in Rs.
Year	Ref. No.						
		25.0	**ALUMINIUM SCREEN FOR BUILDING**				
			Supply and Fixing of Luxalon® Customized Perforated screen panel cladding fixed system manufactured by M/s Hunter Douglas. The Screen panels of required size 1050 mm X 2100 mm as per design requirement shall be manufactured from high corrosion resistant aluminium alloy of 3.0 mm thickness which shall be fixed to a suitable and rigid substructure. Screen Panels have customized perforation as per architects design and is to be provided to suite the design Panels. Panels shall be coated on visible side with Exterior Architectural highly durable Coating in approved colour with minimum 10 years warranty through in-house high precision powder coating unit.	Sq.M	5800	11500	66700000.00
			The panels of required length and height shall be fixed to sub structure by means of special components as per Hunter Douglas worldwide standards. Panels shall be bending from all four sides and shall have extended flanges to accommodate clamps. Installer or Client shall provide sub frame made from Al/Steel/GI. The Panels shall be fixed to a suitable structure by means of fixing side extrusion fixed to the panel at appropriate centers to proprietary metal clamp as per the proprietary HDI design to a support system taking into account the relevant live loads and a dead load. There will be a provision for an expansion joint of 20mm between two adjacent panel ends. Installation shall be carried out as per manufacturer recommendation.				

Tender Specification for Metal Ceiling

	NSR	15.2	Providing and fixing Luxalon® 150C un-perforated Aluminium panel ceiling manufactured by M/s. Hunter Douglas India Pvt. Ltd. OR Equivalent of Shade approved by architect, consisting of panel 150 mm wide x 15.5 mm deep x 0.5 mm thick with bevel edge, panel length up to 6 mtr, **Wood grain finish** Coil Coated on a Continuous Paint Line, Double baked and roll formed from enamelled corrosion resistance Aluminium alloy AA 5050(Al.mg) for higher strength and good roll forming characteristics. The Panels abut each other with a narrow V grove. Panel shall be clipped to a baked enamelled Aluminium Panel carrier of 32 mm wide x 39 mm deep x 0.95 mm thick in standard length of 5 mtr made of double baked enamelled Aluminium alloy AA 5050 (Al.mg) black with cut-outs to hold the panels in a module of 150 mm closed at a distance 1.00 mtr. Panel carrier shall be suspended by means of G.I. suspension rod 4-mm diameter and a Galvanised suspension spring clip at a distance of 1.7 mtr c/c. Paint Finish: Aluminium Panels shall be chromatised for maximum bond between metal and paint enamelled twice under high temperature, one side with a full primer and finish coat the other side (inner side) with a primer coating and Skin Coat on a Continuous Paint Line.	Sq M	1058.00	3600.00	3808800.00

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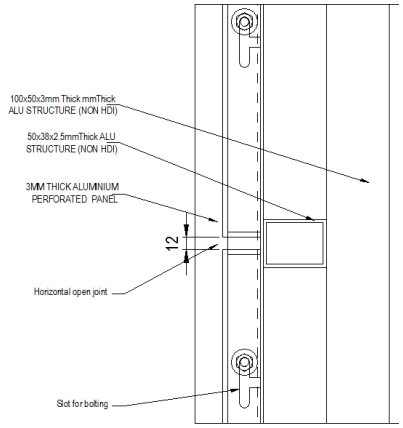
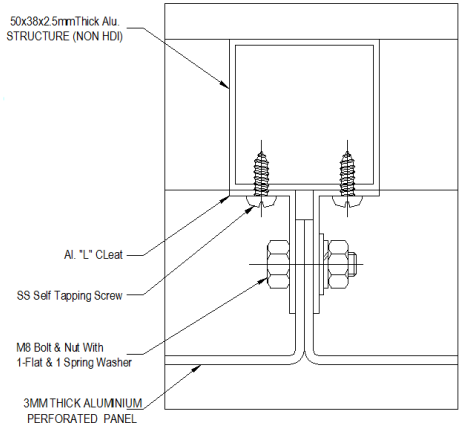
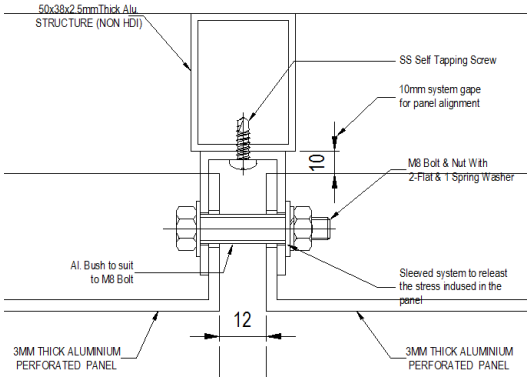
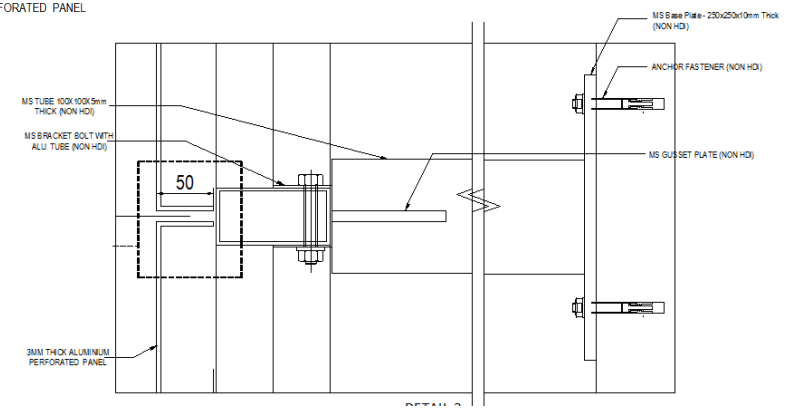
Proposal Drawing

Section Details – Auric Façade Design









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1st Mock-up @ Sricity Factory



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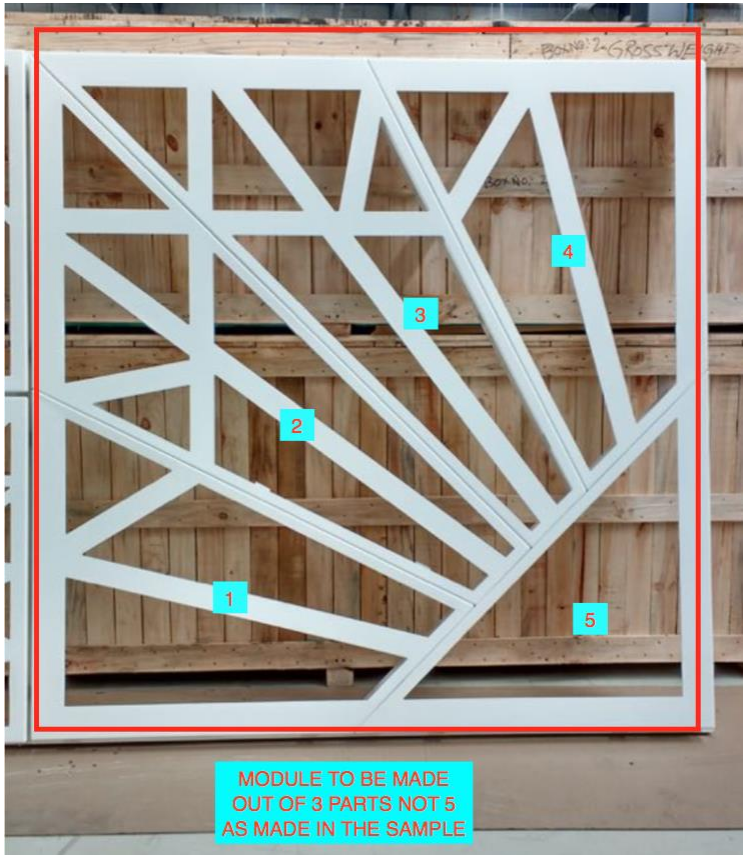
1st Mock-up Installed @ Sricity Factory



Architect’s Comment on 1st Mock up





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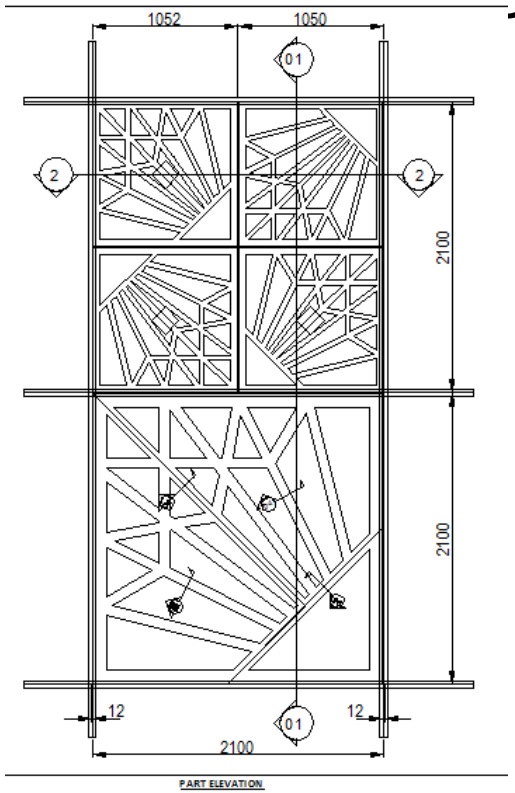
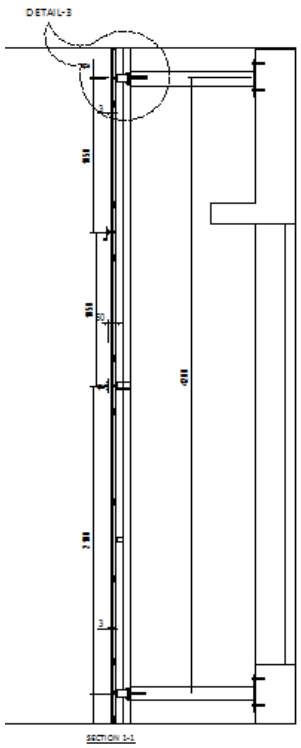
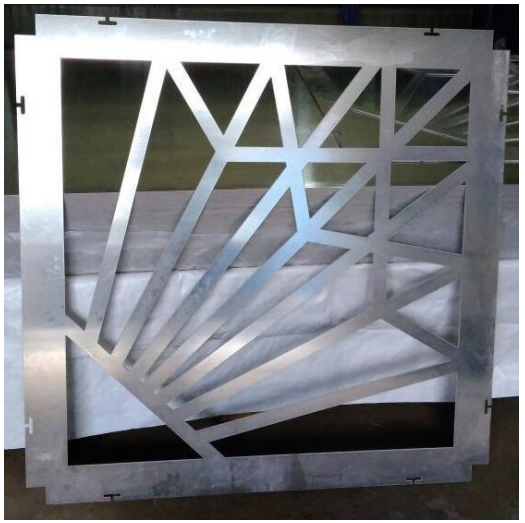
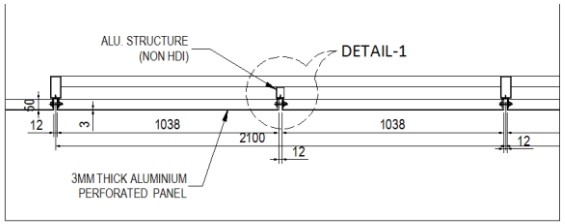
Mock Up @ Site - Proposed



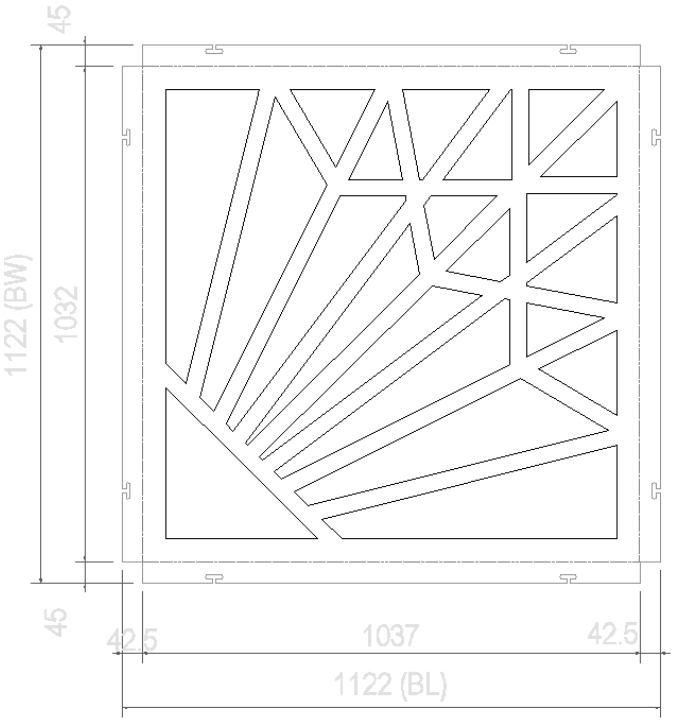


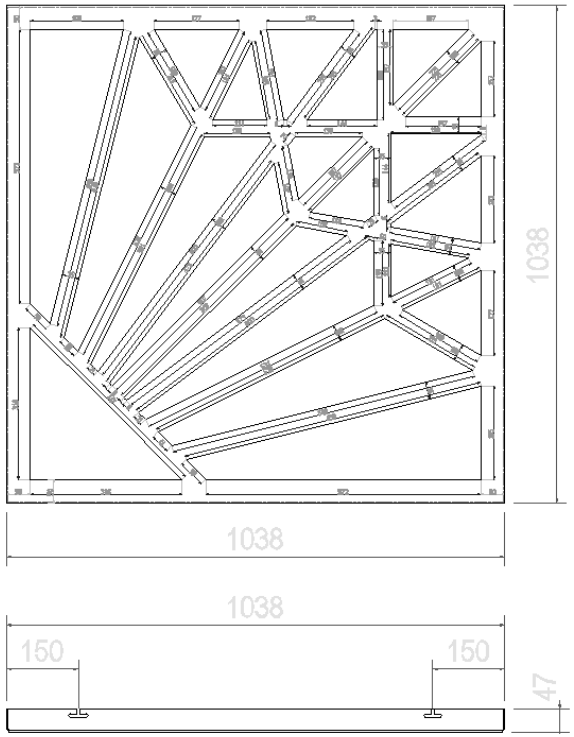




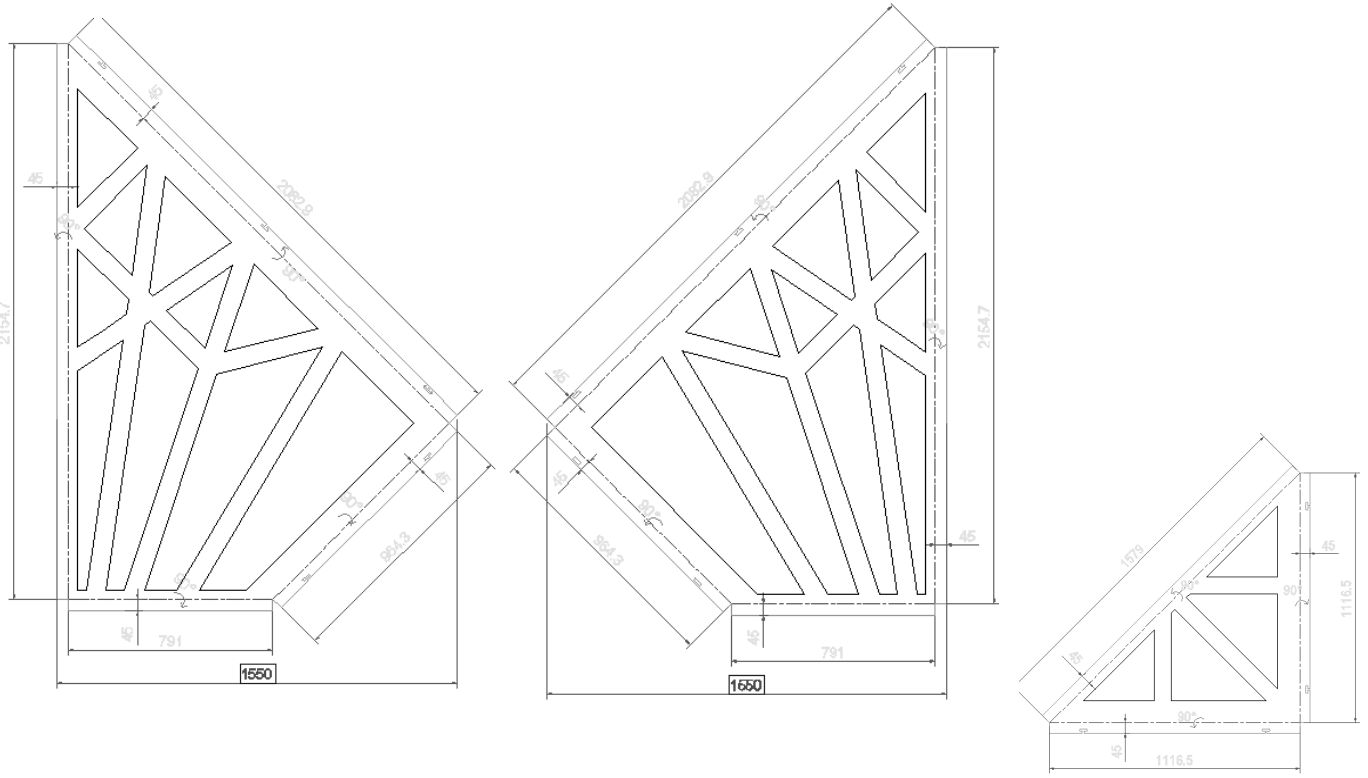
SECTION 2-2

Production Drawings of Panel to make 1050 X 1050 mm module size





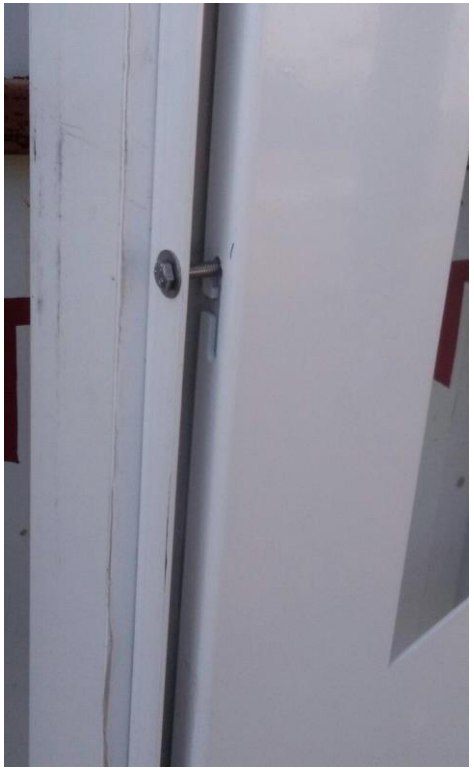
Production Drawings of 3 sub-panels to make panel Size 2100 X 2100 mm



Auric Project Mock Up @ Site







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Final Approved Mock up at Site

Final Approved Mock up





Installation Methodology

Hunter Douglas India

- **Commenced commercial production in 1996.**
- **Sales Offices at Ahmedabad, Bangalore, Chennai, Cochin, Delhi, Hyderabad, Kolkata, Mumbai, Nagpur & Pune.**
- **Dealer / installer network spanning all major cities.**

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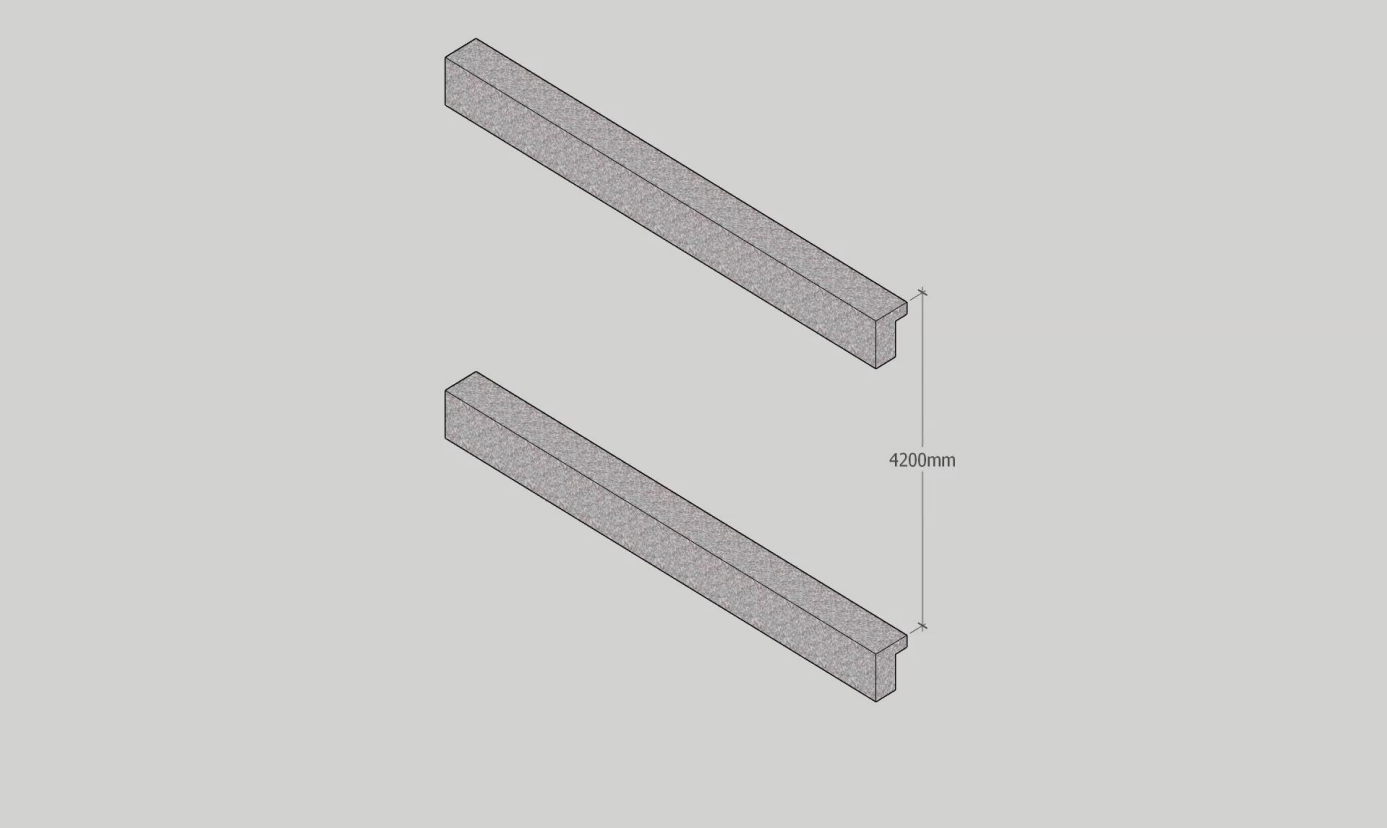
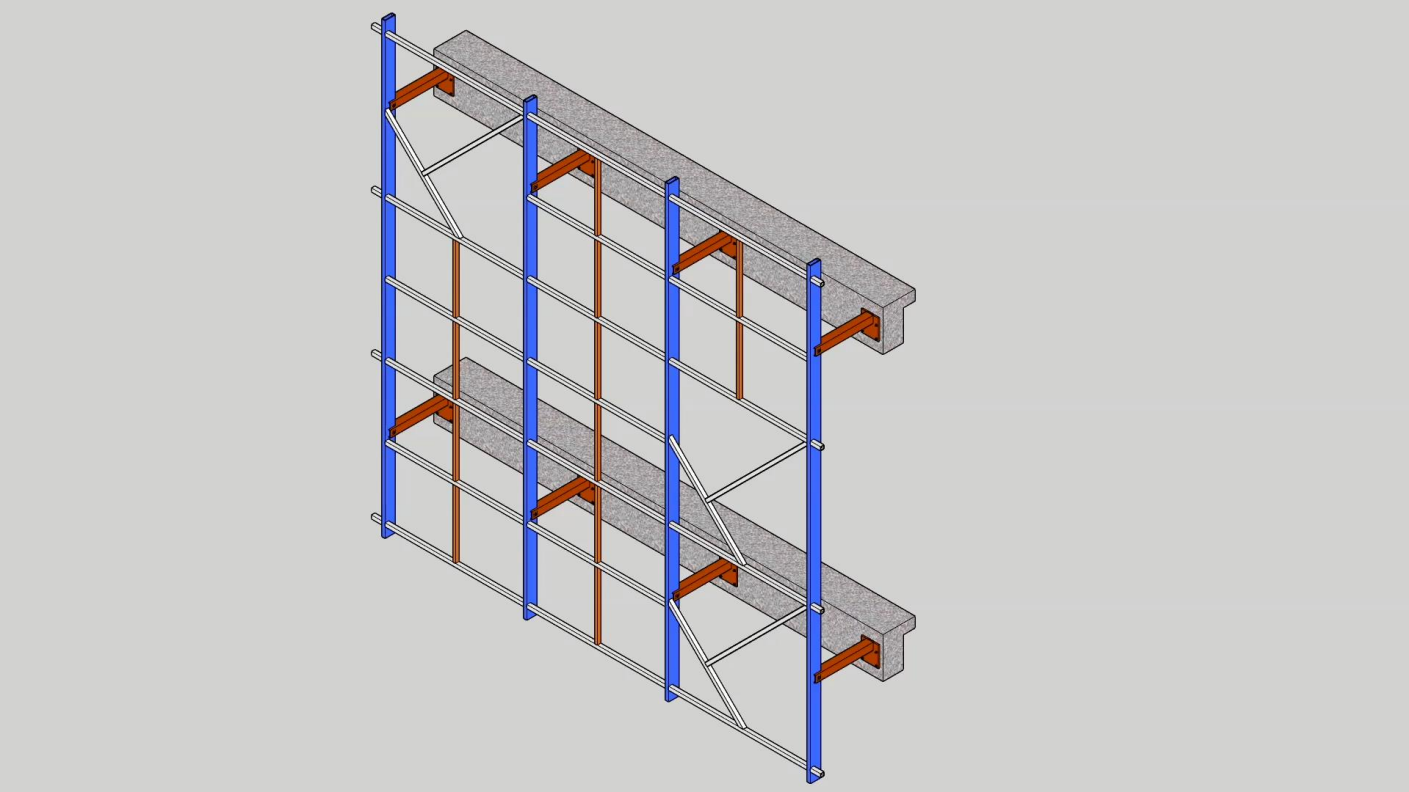
Support Structure Installation Video:



HD Panel System Installation Video:



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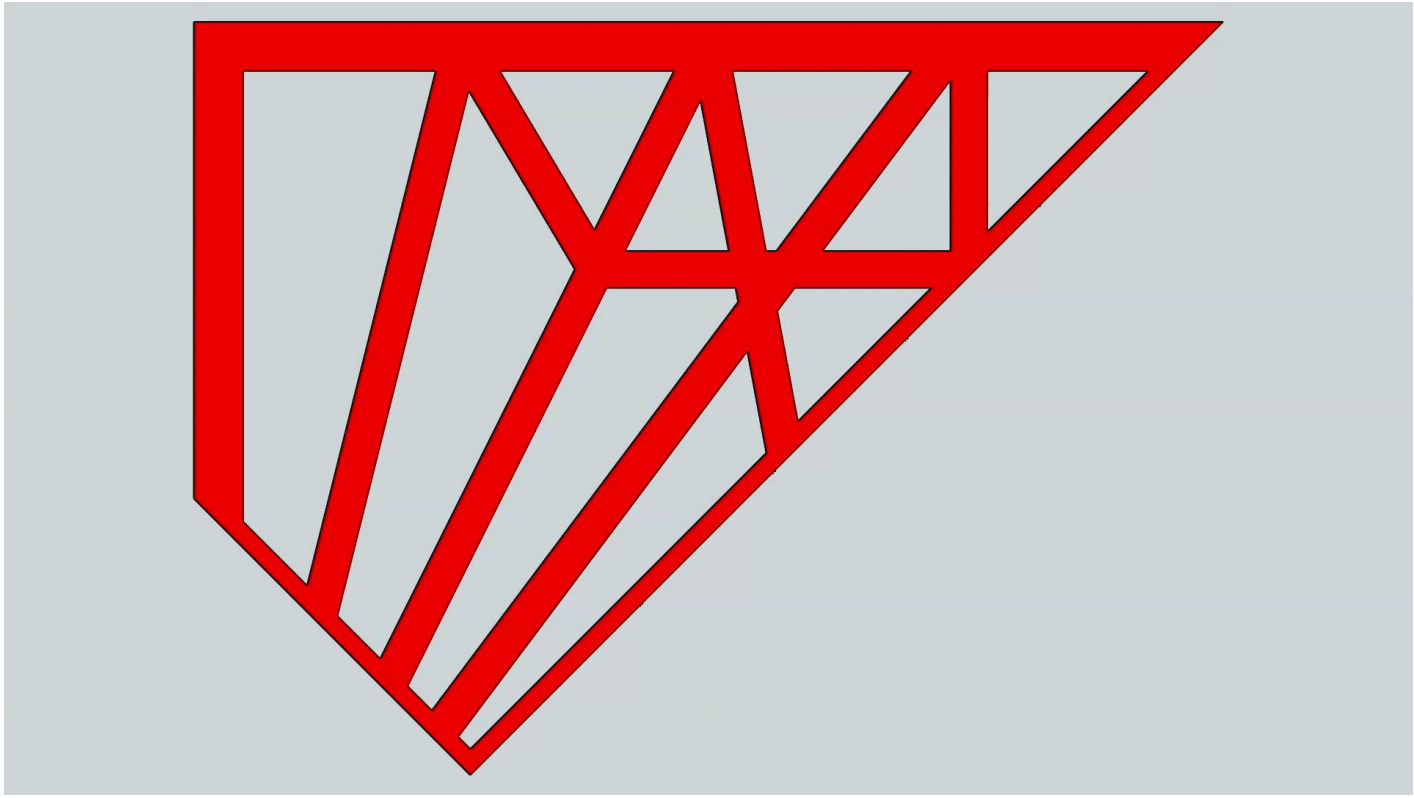
Bigger Panel Installation Video:



Completed Project Pictures



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THANK YOU