

EN^VOLUTION

ENVELOPE SOLUTIONS DEFINED BY METL-SPAN





It's time for a high performance building envelope. It's time for flexibility in design. It's time for a full-scale line and customized options. **It's time for Evolution™.**

The building envelope evolves with the launch of Evolution™ Architectural Products. Metl-Span® insulated metal panels are the foundation for a complete, advanced and energy-efficient application solution. Evolution provides full-scale, innovative architectural product applications for the modern and LEED®-qualified building envelope.

A recognized leader in the advancement of insulated metal panel technology with a strong history of visionary and sustainable product design, Metl-Span panels consistently meet and exceed the needs for architects and designers. And now, we're providing a full solution by offering Vantaj™ custom panels, architectural sunshades and grilles, column covers and beam wraps, custom fabrication and architectural louvers.

It's time for an architectural building product line that unites customization and quality. Evolution features state-of-the-art metal fabrication and the highest quality insulated building panels, providing unequaled design possibilities.

From exterior protection to interior comfort, the Evolution line-up brings the best of architecture, engineering and science together to deliver comprehensive building envelope solutions that feature progressive applications, a variety of aesthetics and custom-made products so that form truly can meet function.

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It's time to modernize.

Synthesis. Fusion. Incorporation. Metl-Span maintains its commitment to environmental responsibility while shaping industry standards. Evolution provides an inclusive, sustainable solution for architects that allows complete customization without sacrificing quality.

It's time to modernize with products that are designed for energy-efficiency, thermal performance and weather protection.

Evolution insulated metal panels have an advanced urethane core with zero ozone-depleting properties. Product features are engineered to provide impenetrable weather barriers, and foamed-in-place technology maximizes thermal efficiency. The full line of Evolution building envelope products is manufactured to exact specifications, delivering the highest quality energy efficiency with a proven sustainability track record.

- INSULATED METAL PANELS
- VANTA[™] CUSTOM PANELS
- ARCHITECTURAL SUNSHADES AND GRILLES
- COLUMN COVERS AND BEAM WRAPS
- CUSTOM FABRICATION
- ARCHITECTURAL LOUVERS



The sleek and versatile Evolvement Architectural Panel enhances any high profile building application. The panels are designed for vertical and horizontal installations, and are attached with concealed clips and fasteners to provide a modern flush appearance. Evolvement Architectural wall panels have a specially formed barrier side joint that ensures maximum thermal efficiency and protects the vapor sealant inside recessed grooves. Coordinated with a variety of module widths, reveals, preformed and radius corners, and the latest in trend setting colors, the Evolvement Architectural wall panel presents virtually limitless building design options.

Module Width*
12" to 36"

Panel Thickness
2", 3" and 4"

Panel Lengths
Standard 8'-0" to 32'-0"

Horizontal Reveal Widths
1/4", 1/2", 3/4", 1", 1 1/2", 2", 2 1/2" and 3"

Exterior Face
Stucco embossed, G-90 galvanized steel in 22 Ga.

Interior Face
Stucco embossed, G-90 galvanized steel in 24 Ga. and 22 Ga.

*Consult factory for module widths over 36"

Module Width*
12" to 36"

Panel Thickness
3"

Panel Lengths
Standard 8'-0" to 32'-0"

Horizontal Reveal Widths
1/4", 1/2", 3/4", 1", 1 1/2", 2", 2 1/2" and 3"

Exterior Face
Stucco embossed, G-90 galvanized steel in 22 Ga.

Interior Face
Stucco embossed, G-90 galvanized steel in 24 Ga. and 22 Ga.

*Consult factory for module widths over 36"

Perfect for high profile horizontal applications, the INNOVA3™ Panel is a 3" insulated metal panel that is specially designed to provide continuous insulation and meet ASHRAE 90.1 R-value requirements for steel framed walls. Unlike traditional insulated products, INNOVA3 panels are placed outboard of the structural supports, creating a continuous barrier for maximum thermal efficiency with no compressed insulation or thermal bridges.



This contemporary panel is an attractive alternative to typical flat wall panels and offers exceptional value. The Evolution Mini Wave's narrow striations and 1/32" depth add an element of texture without diminishing the appeal of a sleek profile surface.

Module Width
30", 36", 42"

Panel Thickness
2", 3"

Panel Lengths
8'-0" to 40'-0" for 30" & 36" widths
8'-0" to 32'-0" for 42" width

Exterior Face
Stucco embossed, G-90 galvanized steel in 22 Ga.

Interior Face
Stucco embossed, G-90 galvanized steel in 26 Ga., 24 Ga. and 22 Ga.

Module Width
36", 42"

Panel Thickness
2", 3", 4"

Panel Lengths
8'-0" to 53'-0"

Exterior Face
Smooth or stucco embossed, G-90 galvanized steel in 22 Ga.

Interior Face
Stucco embossed, G-90 galvanized steel in 26 Ga., 24 Ga. and 22 Ga.

The Evolution Shallow Wave panel, with its lightly corrugated profile and 1/16" depth, is an economical option for high performance building envelopes. Evolution Shallow Wave is widely used in vertical applications and can be easily transformed into a horizontally applied panel with trimless ends.



The revolutionary union of the traditional 7.2 single skin industrial panel and a urethane core affords a new level of functionality for this conventional shape. Evolution infuses this widely used profile with exceptional insulating properties and a unique feature allowing installation with concealed clips and fasteners.

Exterior Profile
7.2" on-center rib pattern, 1 1/2" deep

Module Width
Nominal 36"

Panel Thickness
Nominal overall 2 1/2", 3", 4", 5", 6"

Panel Lengths
8'-0" to 36'-0"

Exterior Face
Stucco embossed, G-90 galvanized steel in 22 Ga.

Interior Face
Stucco embossed, G-90 galvanized steel in 26 Ga., 24 Ga. and 22 Ga.



Module Width
24" to 42"

Panel Thickness
2", 3", 4"

Panel Lengths
8'-0" to 40'-0"

Exterior Face
Stucco embossed, G-90 galvanized steel in 22 Ga.

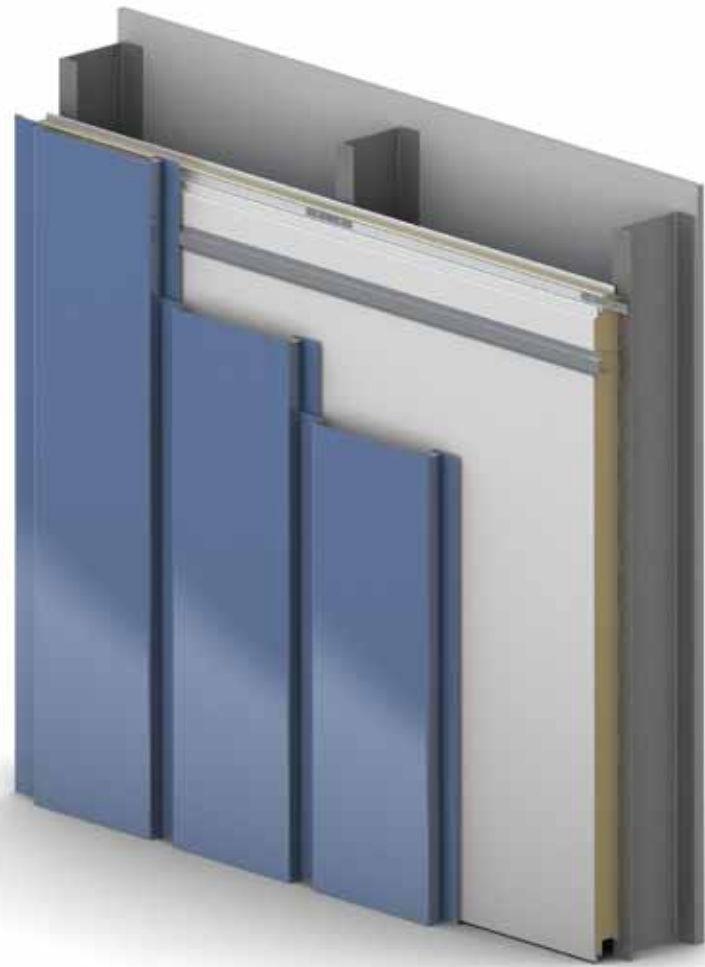
Exterior Texture
Cast-Cote™ finish system - a hard aggregated fiber reinforced polymer coating

Interior Face
Light Mesa profile, stucco embossed, G-90 galvanized steel in 26 Ga., 24 Ga. and 22 Ga.

Available Colors
Medium Beige, Antique Bronze, Surrey Beige, Warm Limestone, Light Stone, Light Gray and Stucco White



Evolution Cast-Wall combines the look of finished precast concrete with the exceptional thermal efficiency of an insulated metal panel. The durable exterior Cast-Cote™ finish defends against weather, abrasion and impact, and the precast texture conforms to aesthetic requirements of many communities and business developments. Unlike field-applied finishes, Evolution Cast-Wall can be installed in virtually any weather condition and is backed by a 10-year limited warranty.



The HPCI Fortress™ insulated metal panel is the ultimate solution for rain screen wall construction. The single element assembly provides all of the functions of the water, air and vapor barriers, thermal insulation and rigid sheathing. The panel is installed completely outside the structural supports providing an efficient, continuous insulation solution that greatly improves the thermal performance of the building envelope. There are no thermal bridges or compressed insulation to reduce the energy efficiency of the wall.

Module Width
42"

Panel Thickness
2", 3", 4"

Panel Lengths
8'-0" to 24'-0"

Exterior & Interior Faces
Minimum .016" thick HPCI galvanized steel

Color
White polyester

Note
The HPCI Barrier Panel must be separated from the interior of the building by an approved thermal barrier of .5" (12.7mm) gypsum wallboard to meet IBC requirements.



Window Height
Available in increments matching the standard wall panel widths of 24", 30" & 36". Custom widths and corresponding heights are available between 24" and 36". Maximum is 20'.

Window Width
Virtually unlimited widths are obtainable using spliced head and sill members in combination with intermediate vertical muntins. Window unit's jambs can be located to match up with a vertical wall panel joint or located away.

Lite Opening
Maximum is 6'.

Finishes
Anodized - clear, dark bronze, black
Two-Coat Painted - custom color consisting of fluoropolymer coatings
Three-Coat Painted - custom color consisting of fluoropolymer coatings and clear coat
Mill Finish - bare aluminum



The MetI-Vision® window system is exclusively engineered to fully integrate with INNOVA3 and Envolution 2" and 3" horizontal Architectural wall panels. When fully assembled, MetI-Vision's flush frame design eliminates interface problems commonly encountered with standard windows, and sight lines are minimized to enhance the appearance of the finished assembly. MetI-Vision offers great flexibility in window size, multiple lite configurations and window finish options.

Vantaj™ HCF Panels

Vantaj™ HCF series single-skin panels are a horizontal concealed fastener system that provides a range of profiles and configurations. When combined with other Envolution panels and accessory products, they help transform ideas into unique building designs.

Multiple profiles and one to four ribs offer distinctive design options and flexibility in an attractive and durable wall panel. The interlocking side lap feature hides fasteners and may be installed with or without clips.

Features

- Multiple panel profile designs with 12" and 16" options
- Factory applied sealant
- Substrate offering: .032 to .050 aluminum and 24 Ga. to 18 Ga. steel
- Panel lengths from minimum 2' to maximum 20'
- Available mitered corners

Vantaj™ ACM Panels

Vantaj™ ACM route & return dry joint rain screen system by Doralco Architectural Metals is a high performance exterior "dry joint" composite panel cladding, which is designed as a water managed system to control the impact of wind driven rain on exterior walls. The system, with its caulk free design, offers the desired crisp, clean, and contemporary look for today's architectural composite cladding design intent.

Vantaj ACM utilizes a perimeter extrusion attachment system that functions as a pressure equalized rain screen. This composite cladding design limits direct entry of wind driven rain, prevents capillary action and manages cavity drainage to impede water from entering the building.

Features

- Pressure equalized rain screen design
- ACM joint filler allowing for variable joint dimensions and color
- Floating attachment system to accommodate thermal movement
- No sealants in the reveals
- Fully tested for air, water and structural performance
- Independently tested to AAMA 508 voluntary test method for pressure equalized rain screen wall cladding systems

Vantaj™ Plate Panels

Vantaj™ Plate panel systems by Doralco Architectural Metals are the ultimate building envelope product for high architectural design where aesthetic performance is critical. These panel systems feature an exclusive perimeter track and sliding clip attachment system ideally suited to complex configurations and shapes.

Features

- Interlocking and screw alignment tabs
- Sliding clips to align with stud locations
- Smooth finish seamless corners

Envolution Sunshades by Doralco Architectural Metals filter the sun's heat and glare, reduce wintertime radiant heat loss and integrate natural light indoors. Custom engineered, Envolution Sunshades are fabricated for superior durability.

Products

- Vertical Sunshades
- Airfoil and Screen Wall Sunshades
- Eggcrate Grille Sunshades
- Radiused Sunshades

Features

- Vertical and horizontal orientation options
- Contemporary appeal, modern approach
- Attach to curtain wall or facade
- Wide range of sizes and shapes
- Utilizes perforated material
- Strong, durable, functional
- Design options may include straight and tilted blades
- Custom fabrication available to match the contour of the building

Envolution gathers the widest selection of utilitarian and decorative architectural grilles offered by Doralco. Featuring flexibility in metal, size, color and finish, Envolution provides a design aesthetic while also contributing to the building's energy efficiency.

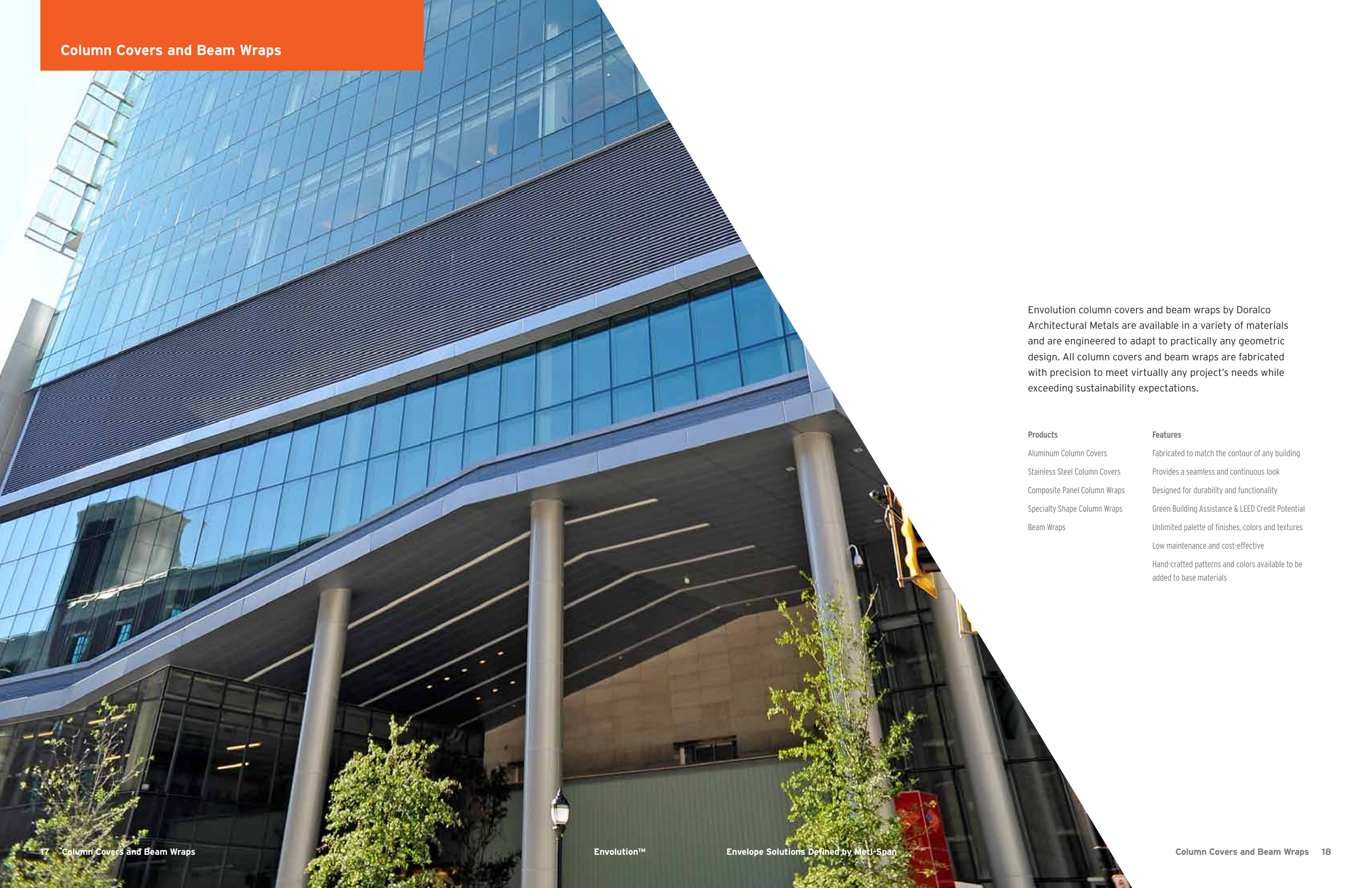
Envolution architectural grilles are made with sustainable materials, provide contribution credits toward LEED, and offer green applications.

Products

- Airfoil Screen Wall Grilles
- Eggcrate Grilles/Freeform Grilles/Flat Bar Grilles/Straight Line Grilles
- Inline Grilles
- Perforated Grilles
- Tubular Grilles

Features

- Provide privacy and equipment screening
- Useful design options such as straight and angled bars
- Deflect light and reflection with custom designs
- Unique appearance configurations, including myriad, diamond, square and rectangular patterns
- Bold design aesthetics and contemporary appeal
- Fully customizable



Envolution column covers and beam wraps by Doralco Architectural Metals are available in a variety of materials and are engineered to adapt to practically any geometric design. All column covers and beam wraps are fabricated with precision to meet virtually any project's needs while exceeding sustainability expectations.

Products

- Aluminum Column Covers
- Stainless Steel Column Covers
- Composite Panel Column Wraps
- Specialty Shape Column Wraps
- Beam Wraps

Features

- Fabricated to match the contour of any building
- Provides a seamless and continuous look
- Designed for durability and functionality
- Green Building Assistance & LEED Credit Potential
- Unlimited palette of finishes, colors and textures
- Low maintenance and cost-effective
- Hand-crafted patterns and colors available to be added to base materials

Elevate the building envelope with complete customization. Envolution's Custom Fabrication applications range from insulated metal panels to sunshades, grilles and column covers, with all insulated metal panels featuring the same quality thermal performance and energy efficiency that Metl-Span is recognized for.

Feature custom fabrication components include:

- Special Panel Widths
- Trimless Ends
- Transverse Bends
- Compound Folds
- Longitudinal Bends
- Variable Side Joint Reveals
- Curved Panels

With so many choices and such attention to detail, there is little need to source your architectural products from multiple suppliers. And there is no need to alter your design because it seems impossible. With Envolution craft customized systems and the flexibility and adaptability of Envolution Architectural Products, design options are boundless.





It's time your solutions evolve.

Metl-Span, leader in insulated metal panels and building materials with more than four decades of pioneering industry experience, presents some of the most comprehensive and sustainable application solutions yet. The Evolution team has gathered an unsurpassed line-up of application solutions that build upon the foundation of industry-leading Metl-Span insulated metal panels with modern design, innovative technology and thermal performance.

Leading with Metl-Span insulated building panels, the entire line of Evolution building products features superior quality with tailored application solutions that offer a robust selection of choices, offerings and modifications.

Complement, coordinate, balance or accentuate. Evolution provides the tools and support you need to concept award-winning designs.



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