

ARCHITECTURAL Design Solutions







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Product Application Chart & Index

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MBCI has earned its reputation as one of the nation's leading suppliers of preformed metal for roofs, walls, mansards and soffits by providing the highest quality building components and service in the industry.

This Product Application Chart is for general reference only. Not all panels, gauges and widths should be used for these applications. Please call MBCI for the best product for your specific application.

Descriptions and specifications contained herein were in effect at the time this publication was approved for printing. In a continuing effort to refine and improve products, MBCI reserves the right to discontinue products at any time or change specifications and/or designs without incurring obligation. To ensure you have the latest information available, please inquire or visit our website at www.mbci.com. Application details are for illustration purposes only and may not be appropriate for all environmental conditions, building designs or panel profiles. Projects should be designed to conform to applicable building codes, regulations and accepted industry practices. If there is a conflict between this manual and project erection drawings, the erection drawings will take precedence.

STIMULATE YOUR IMAGINATION

WITH MBCI'S BROAD SPECTRUM OF PANEL OFFERINGS, DESIGN OPPORTUNITIES ARE EXPONENTIAL. PRODUCT OFFERINGS RANGING FROM SINGLE SKIN ROOF AND WALL PANELS TO INSULATED METAL PANELS, SOLUTIONS FOR NEW AND RETROFIT CONSTRUCTION, COATINGS IN A BREADTH OF COLORS AND APPLIED FINISHES PROVIDE YOU INSPIRATION TO **DESIGN YOUR MASTERPIECE**.

THE MBCI ADVANTAGE

Since 1976, MBCI has been dedicated to providing our customers with the highest quality products and excellent service from our skilled professionals. MBCI is the industry leading manufacturer of metal roof and wall systems, supplying products to the architectural, institutional, commercial, industrial, residential and agricultural markets. MBCI has facilities positioned strategically throughout the United States to best serve our customers.

The industry leading manufacturer of metal roof and wall systems.

5 | Architectural Design Solutions



Standing Seam Metal Roofing

When your design requires a roofing system that is both aesthetically pleasing and structurally sound, choose one of MBCI's standing seam metal roof systems. Our SSR systems are some of the most durable and weathertight roof systems available in the industry while enhancing the appearance of the building.

MBCI offers two types of standing seam metal roofs: vertical leg structural and trapezoidal structural. Each system carries the Underwriters Laboratories Wind Uplift (UL 90), Fire Resistance and Impact Resistance ratings covering a wide range of roof designs. Additional ratings have been given to the individual panel systems.

Special clips are available for thermal roof expansion and contraction during extreme temperature changes. All trim is both weathertight and aesthetically pleasing, giving the roof a clean finished appearance.



Vertical Leg Structural Standing Seam Metal Roof Systems

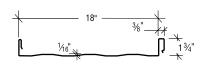
The vertical leg systems blend the aesthetics of an architectural panel with the strength of a structural panel. These panels have earned several UL uplift ratings, assuring the reliability of performance. They also provide flexibility to meet design challenges.

Each of these SSR systems is designed to be installed over open framing. However, the MBCI LiteFrame®, 5/8" plywood or a composite roof assembly may be used as an alternate substructure.



PROJECT: Audubon National Wildlife Refuge LOCATION: Coal Harbor, ND PANEL PROFILE: BattenLok® HS COLOR: Classic Green





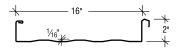
LokSeam® is a snap-together standing seam roof system with a 1 3/4" tall vertical rib, for use on roofs with a minimum slope of 3:12. LokSeam® panels are available in 12-inch, 16-inch and 18-inch widths. LokSeam® panels can be installed over open framing or a solid substructure and are capable of transitioning from roof to fascia with the use of a rib cover. LokSeam® does not require a solid substructure for support.

Product Specifications

- Application: Roof
- Coverage Widths: 12", 16" and 18"
- Minimum Slope: 3:12
- Panel Attachment: Concealed Fastening System, Standard and UL 90 Clips
- Gauges: 24 (standard); 22 (12", 16", 18") and 26 (12") (optional)
- Finishes: Striated (standard); Embossed Striated (optional)
- Coatings: Galvalume Plus®, Signature® 200, Signature® 300, Signature® 300 Metallic

SUPERLOK®





SuperLok® is a mechanically field-seamed system that combines a 2" tall slim rib with exceptional uplift resistance. MBCI designed the SuperLok® system to withstand the most rigorous weather conditions. This panel can be installed directly over purlins or bar joists. SuperLok® does not require a solid substructure for support.

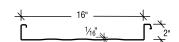
In addition to the UL 90 rating, the SuperLok® system meets a variety of ratings as tested under FM Global Corporation Standard 4471.

- Application: Roof
- Coverage Widths: 12" and 16"
- Minimum Slope: ½:12
- Panel Attachment: Concealed Fastening System, Low, High (fixed or floating), Utility (no insulation clearance)
- Gauges: 24 (standard); 22 and 26 (optional)
- Finishes: Smooth Striated (standard); Embossed Striated (optional)
- Coatings: Galvalume Plus®, Signature® 200, Signature® 300, Signature® 300 Metallic



BATTENLOK® HS





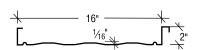
BattenLok® HS is a mechanically field seamed, high strength structural standing seam roof system. The BattenLok® HS panels have a 2" tall vertical seam and are available in both 12-inch and 16-inch widths. BattenLok® HS can be installed directly over purlins or bar joists and is capable of transitioning from roof to fascia. BattenLok® HS does not require a solid substructure for support.

Product Specifications

- Application: Roof
- Coverage Widths: 12" and 16"
- Minimum Slope: ½:12
- Panel Attachment: Concealed Fastening System, Low, High (fixed or floating), Utility (no insulation clearance)
- Gauges: 24 (standard); 22 (optional)
- Finishes: Smooth or Embossed; with Striations or Striations with Pencil Ribs (16" only)
- Coatings: Galvalume Plus®, Signature® 200, Signature® 300, Signature® 300 Metallic

CURVED BATTENLOK®





When your roof calls for a curved standing seam metal roof, Curved BattenLok® is an ideal choice. The Curved BattenLok® profile is a water shedding, curved standing seam metal roof system with a 2-inch tall standing seam that is field-seamed during the installation process. Striations are standard and added for aesthetic value.

Curved BattenLok® may be curved to a minimum radius of 20 feet. Curved BattenLok® is a structural roofing panel and may be installed directly over purlins or joists. This curved standing seam metal roof system also may be installed over wood decks and metal decks with rigid insulation. Open framing applications eliminate costly curved deck surfaces and membrane underlayments. For large projects and/or long panels, the curving process for the curved standing seam metal roof system may best be accomplished at the job site.

- Application: Roof
- Coverage Width: 16"
- Panel Attachment: Concealed Fastening System, Low, High (fixed or floating), Utility (no insulation clearance)
- Gauges: 24 (standard); 22 (optional)
- Finishes: Smooth Striated (standard)
- Coatings: Galvalume Plus®, Signature® 200, Signature® 300

Trapezoidal Standing Seam Metal Roof Systems

The trapezoidal SSR systems are designed for strength, durability and weatherability. The standing seams are 3" above the lowest part of the panel, well above the water level as it flows off the roof. The rake/gable at both ends of each roof system avoids the necessity of finishing in the low, flat part of the panel where the greatest possibilities for leaks occur in many other systems.

The trapezoidal SSR systems can be installed before or after the exterior walls are in place. All trim is attached after the roof is installed. With a recommended minimum slope of ½:12, these systems can be used on all types of construction, including metal, masonry or wood for either new or retrofit construction.



C PROJECT: UDOT Strawberry Maintenance Station LOCATION: West Valley, UT PANEL PROFILE: Double-Lok® & Artisan® Series COLOR: Champagne Metallic

ULTRA-DEK®

The Ultra-Dek® roof panel is a snap-together, trapezoidal leg standing seam roof system. Ultra-Dek® panels are available in 12-inch, 18-inch and 24-inch widths. Ultra-Dek® requires a minimum slope of ¼:12 and is ideal for industrial, commercial and architectural applications. Ultra-Dek® can be erected on various types of construction.

Product Specifications

- Application: Roof
- Coverage Widths: 12", 18" and 24"
- Minimum Slope: 1/4:12
- Panel Attachment: Concealed Fastening System, Low, High (fixed or sliding)
- Gauges: 24 (standard); 22 and 26 (optional)
- Finishes: Striated (standard); Embossed (optional)
- Coatings: Galvalume Plus®, Signature® 200, Signature® 300, Signature® 300 Metallic

DOUBLE-LOK®



The Double-Lok® roof panel is a mechanically field-seamed, trapezoidal leg standing seam roof system. Double-Lok® panels are available in 12-inch, 18-inch and 24-inch widths. Double-Lok® requires a minimum slope of 1/4:12. Double-Lok® panels are ideal for industrial, commercial and architectural applications.

- Application: Roof
- Coverage Widths: 12", 18" and 24"
- Minimum Slope: 1/4:12
- Panel Attachment: Concealed Fastening System, Low, High, Fixed and Sliding and a 2" Stand off Clip
- Gauges: 22 and 24
- Finishes: Smooth (standard); Embossed (optional)
- Coatings: Galvalume Plus®, Signature® 200, Signature® 300, Signature® 300 Metallic



ECO-FICIENT® InsulatedMetal Panels

As building and energy codes become increasingly more stringent, MBCI's eco-FICIENT® insulated metal panels (IMPs) can help you meet these codes by providing you with the products to create a thermally efficient building envelope.

IMPs present many advantages for building owners, designers and contractors, including improved thermal performance, excellent insulating capabilities, reduced building operational expenses, accelerated construction schedules, earlier business starts and much more. eco-FICIENT® panels are ideal for architectural, commercial, industrial and institutional applications. eco-FICIENT® panels are available in a wide variety of panel profiles, colors and applied finishes.



eco-ficient® Insulated Battenlok®

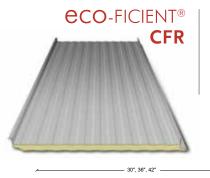


The exterior profile of the Insulated BattenLok® roof panel has a 2" high standing seam with the Mesa profile. The interior profile is also a Mesa pattern. The Insulated BattenLok® panel is attached to structures with concealed clips to ensure maximum R-values.

Product Specifications

- Application: Roof
- Gauges: Exterior: 24 and 22 | Interior: 26, 24 and 22
- Widths: 42" (standard); 30", 36" (optional)
- Thicknesses: 2", 2½", 3", 4", 5" and 6"
- Length: Recommended maximum of 50'
- Panel Attachment: Concealed Fastening System
- Coatings: Galvanized/Galvalume Plus®, Signature® 200, Signature® 300, Signature® 300 Metallic



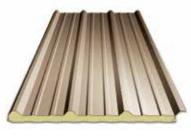


CFR is an insulated metal roof standing seam roof panel and is the newest innovation in all-in-one composite roof panel design, combining durable interior and exterior faces with an unmatched polyurethane core. The CFR insulated metal standing seam roof panel is a truly unique answer to many deficiencies common with more traditional roofing materials of the past.

Product Specifications

- Applications: Roof
- Gauges: Exterior: 24, 22 | Interior: 26, 24 and 22
- Width: 42" (standard); 30", 36" (optional)
- Thicknesses: 1½", 2", 2½", 3", 4", 5" and 6"
- Panel Attachment: Concealed Fastening System
- Coatings: Exterior: Signature® 200, Signature® 300; Interior: Igloo White (standard)

eco-ficient® Insulated R Panel



The versatility of the Insulated R panel offers a multitude of design options. It can be utilized for roof or wall applications. The standard exterior skin is smooth but can be embossed if requested. The interior skin is roll-formed with our standard interior Light Mesa profile.

- Applications: Roof and Wall
- Gauges:
- Exterior: 26, 24 and 22 | Interior: 26, 24 and 22
- Width: 36
- Thicknesses: 1½", 2", 2½", 3", 4", 5" and 6"
- Length: Recommended maximum of 40'
- Panel Attachment: Exposed Fastening System
- Coatings: Galvanized/Galvalume Plus®, Signature® 200, Signature® 300, Signature® 300 Metallic, Applied Finishes

CO-FICIENT®

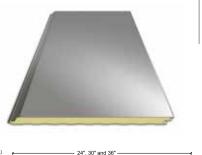
The Grand V wall panel employs a flat appearance providing a monolithic look that is great for high-profile architectural applications. The Grand V panel is available in widths of 24", 30" and 36".



- Application: Wall
- Gauges: Exterior: 22 | Interior: 26 (standard); 24, 22 (optional)
- Widths: 24", 30" and 36"
- Thicknesses: 2", 2½", 3" and 4"
- **Reveal Options:** 1/8" (standard), ¼", ½", ¾", 1", 1½", 2½" and 3"
- Length: Recommended maximum of 32'
- Panel Attachment: Concealed Fastening System
- Coatings: Galvanized/Galvalume Plus®, Signature® 200, Signature® 300, Signature® 300 Metallic, Applied Finishes, Igloo White

GRAND H

24", 30" and 36 Exterior Surface



W' Reveal (Std.)
Other Reveal
Widths Available
Exterior Surface

2*, 2 ½* or 3*

The **eco**-FICIENT® Grand H series is manufactured for horizontal applications. It has a flush appearance that provides a monolithic look. The Grand H Series allows for designers to mix multiple panel widths and colors on the same wall. It also allows flexibility for continuous corners along with a complete line of aluminum extrusions and accessories to complete the wall system. When desired, these panels can also be mixed with vertical **eco**-FICIENT® panels to achieve most any look a design requires.

Product Specifications

- Application: Wall
- Gauges: Exterior: 22 | Interior: 26 (standard); 24, 22 (optional)
- Widths: 24", 30" and 36"
- Thicknesses: 2", 2½", 3" and 4"
- Length: Recommended maximum of 32'
- Panel Attachment: Concealed Fastening System
- Reveal Options: 1/8", 1/4", 1/2", 1/4", 1", 11/2", 2", 2 1/2" or 3"
- Coatings: Galvanized/Galvalume Plus®,
 Signature® 200, Signature® 300, Signature® 300
 Metallic, Applied Finishes, Igloo White

eco-ficient® **Royal**



The Royal panel is designed for interior wall partitions, interior ceilings and exterior wall applications. The appealing flat exterior and interior skins have a Light Mesa profile. The versatility of this panel allows for a uniform appearance from outside to inside and from room to room in partition applications.

- Application: Wall
- Gauges: Exterior: 26, 24 and 22 Interior: 26 (standard); 24 and 22 (optional)
- Widths: 36" and 42"
- Thicknesses: 2", 21/2", 3", 4", 5"and 6"
- Length: Recommended maximum of 50'
- Panel Attachment: Concealed Fastening System
- Coatings: Galvanized/Galvalume Plus®,
 Signature® 200, Signature® 300, Signature® 300,
 Metallic, Applied Finishes, Igloo White



eco-ficient® **Classic**



The traditional styling and distinct vertical lines of the Classic are ideal for custom-designed or conventional building construction, especially commercial and industrial applications. It can also be used in cold storage applications. The interior skin employs a Light Mesa profile. The Classic panel is available in a width of 42".

Product Specifications

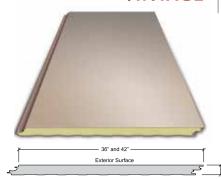
- Application: Wall
- Gauges: Exterior: 26, 24 and 22 Interior: 26 (standard), 24 and 22 (optional)
- Width: 42"

2", 2½", 3", 4", 5" or 6"

- \bullet Thicknesses: 2", 2½", 3", 4", 5" and 6"
- Length: 50'
- Panel Attachment: Concealed Fastening System
- Coatings: Galvanized/Galvalume Plus®,
 Signature® 200, Signature® 300, Signature® 300
 Metallic, Applied Finishes, Igloo White

eco-ficient® **Vintage**

Vintage's exterior skin has a flat exterior profile with an Aztec-embossed pattern resembling old-world hand plaster. The interior skin employs a Light Mesa profile.



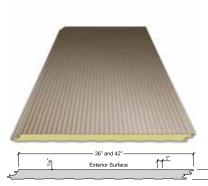
Product Specifications

- Application: Wall
- Gauges: Exterior: 24 and 22 Interior: 26 (standard), 24 and 22 (optional)
- Widths: 36" and 42"
- Thicknesses: 2", 21/2", 3" and 4"

- Length: Recommended maximum of 40'
- Panel Attachment: Concealed Fastening System
- Coatings: Galvanized/Galvalume Plus®, Signature® 200, Signature® 300, Signature® 300 Metallic, Applied Finishes, Igloo White

eco-ficient® **SUMMIT**

The exterior skin of the Summit panel is profiled with minor striations, giving it a flat look and providing a linear appearance while blending with the panel side joints. This panel is an excellent alternative to typical flat wall panels. The interior skin has a Light Mesa profile.



Product Specifications

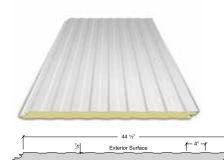
• Application: Wall

2", 2½", 3" or 4"

- Gauges: Exterior: 24 and 22 Interior: 26 (standard), 24 and 22 (optional)
- Widths: 36" and 42"
- Thicknesses: 2", 2½", 3" and 4"
- Length: Recommended maximum of 40'
- Panel Attachment: Concealed Fastening System
- Coatings: Galvanized/Galvalume Plus®, Signature® 200, Signature® 300, Signature® 300 Metallic, Applied Finishes, Igloo White

eco-ficient® INTERIOR PARTITION & **CEILING PANEL**

The eco-FICIENT Interior Partition & Ceiling panel is the optimal choice for interior partitions and interior ceilings. The interior and exterior panel faces are identical images with the same profile for each. The profiles have 1/8" ribs that are on 4" on center. The Interior Partition & Ceiling panel is available in a width of 44 ½".



Product Specifications

- Applications: Wall and Ceiling (interior only)
- Gauge: 26, 24, 22 (both surfaces)
- Width: 441/2"

2", 2½", 3", 4", 5" or 6"

- Thicknesses: 2", 2½", 3", 4", 5" and 6"
- Length: Recommended maximum of 50'
- Panel Attachment: Tongue-and-Groove with **Exposed Fasteners**
- Coating: Igloo White

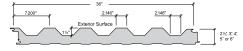
eco-ficient® **INSULATED 7.2**

The Insulated 7.2 Panel combines a traditional 7.2 rib panel design with a premier polyurethane foam core. The Insulated 7.2 Panel can be installed both vertically and horizontally, allowing architects the same design flexibility that is available with our single skin 7.2 Panel.

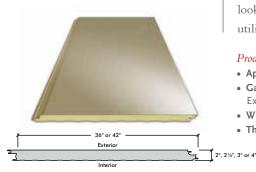


Product Specifications

- Application: Wall
- Gauges:
 - Exterior: 26, 24 and 22 | Interior: 26, 24 and 22
- Width: 36"
- Thicknesses: 2½", 3", 4", 5"and 6"
- Length: Recommended maximum of 36'
- Panel Attachment: Offset double tongue-andgroove with extended metal shelf for positive face fastening
- Coatings: Galvanized/Galvalume Plus®, Signature® 200, Signature® 300, Signature® 300 Metallic, Weathered Metal Series and Woodgrain Metal Series (for interior application only)



eco-FICIENT® STONEWALL PANEL



The StoneWall panel is designed for exterior applications where an aggregate look is preferred. The exterior skin of the panel is embossed flat, while the interior skin has the embossed Light Mesa profile. The exterior panel skin is available in a Tuff Wall® finish which provides a stucco look, a Tuff-Cast™ finish resulting in the look of precast concrete and a Granite Rock finish utilizing crushed granite.

- Application: Wall
- · Gauges:
- Exterior: 24 and 22 | Interior: 26, 24 and 22
- Widths: 36" and 42"
- Thicknesses: 2", 21/2", 3" and 4"
- Length: 24' Granite rock, 32' Tuff-Cast™ or Tuff Wall®
- Panel Attachment: Concealed Fastening System
- Coatings: Tuff-Cast[™], Tuff Wall® and Granite Rock





CO-FICIENT® HPCI BARRIER™



The HPCI Barrier™ insulated metal panel is an air, water, thermal and vapor barrier panel that can be used behind any type of façade. This back-up panel may be installed in a horizontal or vertical orientation completely outside the structural supports. There are no thermal bridges to reduce the energy efficiency of the wall. HPCI Barrier™ is quick and easy to install and provides an economical solution to conventional air, water, thermal and vapor control without sacrificing thermal efficiency. This panel must be separated from the interior of the building by an approved thermal barrier of .5" (12.7 mm) gypsum wallboard to meet IBC requirements.

Product Specifications

- Application: Wall
- Exterior and Interior Gauges: .016" (standard);
 26, 24, 22 (optional)
- Width: 42"
- Thicknesses: 2", 3" and 4"

- Length: Recommended maximum of 24'
- Insulation Material: Zero ozone depleting polyurethane
- Panel Attachment: Tongue-and-groove
- Coating: White Polyester

eco-ficient® Insulated Fire resistant Panel



The Insulated Fire Resistant Panel consists of metal facings bonded to a structural mineral wool core to create a composite panel that achieves fire resistance ratings under the most demanding of conditions. Unlike traditional wall materials, the Insulated Fire Resistant Panel offers a level of flexibility architects, contractors and building owners won't find in any other product in the U.S. The mineral wool panel is rated for its 1-, 2- and 3-hour fire resistance qualities and provides satisfactory thermal performance and protection from the elements. The R-value of this panel is 3.61 per inch of insulation.

Fire Resistant Data

- The finished panel in 4" thickness for one-hour, 7" thickness for two-hour and 8" thickness for three-hour Fire Resistant ratings for nonbearing walls in accordance with UL 263 Fire Endurance tests and ASTM E119 tests
- For more complete Fire Resistant rating data, including Fire Resistant ratings for pipe penetrations both metallic and non-metallic, ducts and fire door and window assembly design installed in an eco-FICIENT® Insulated Fire Resistant wall, go to www.ecoficientseries.com and follow links to Fire Resistant approvals data.
- Wall-framing support members and adjacent construction may require fire protection as specified by applicable building code. The customer is responsible for specifying the appropriate fire protection of these areas.

Features & Benefits

- Resists high temperatures and will not burn because of mineral wool core
- Can be disassembled, moved and reinstalled rather than having to be demolished, waste materials disposed of and the walls completely rebuilt
- Elimination of installation of separate cement board splines at side joint of panel to maintain Fire Resistant with exclusive integral spline design
- Good sound reduction acoustical properties because of mineral wool
- Dimensionally stable, water repellent and will not expand
- Can be combined with other @CO-FICIENT® panels for an aesthetically consistent profile facing, texture and color

- Application: Wall
- Gauges:
 - Exterior: 26 and 24 | Interior: 26 and 24
- Width: 42"
- Thicknesses: 3", 4", 5", 6", 7"and 8"
- Length: Recommended maximum of 40';
 Maximum available length may be reduced due to panel thickness, end use and orientation
- Panel Attachment: Exclusive integral spline design
- Coatings: Galvanized/Galvalume Plus®,
 Signature® 200, Signature® 300, Signature® 300
 Metallic; Interior is unpainted

Concealed Fastening Systems





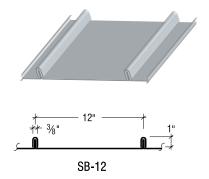
CRAFTSMAN[™] SERIES

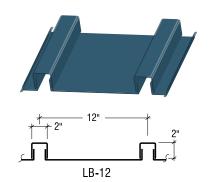
The Craftsman™ Series is a snap-on batten roof system, available in narrow, wide and high profiles: small (SB), large (LB) and high batten (HB).

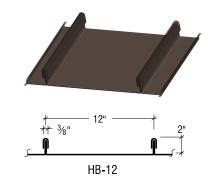
The Craftsman[™] Series is a water-shedding system and can be used for roofs and fascias only when installed over a water-proofed solid substructure with a minimum roof slope of 3:12. The Craftsman[™] Series design makes complicated building transitions simple without the necessity of flashings. Slope changes from roof to fascia to soffit can be made with one continuous pan and batten.

Product Specifications

- Application: Roof, Fascia
- Coverage Widths: 12" and 161/2"
- Minimum Slope: 3:12
- Panel Attachment: Concealed Fastening System
- Gauges: 24 (standard); 22 and 26 (optional)
- Finishes: Smooth (standard); Striated (optional)
- Coatings: Galvalume Plus®, Signature® 200, Signature® 300, Signature® 300 Metallic





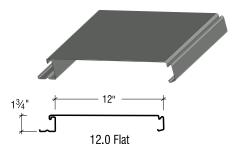


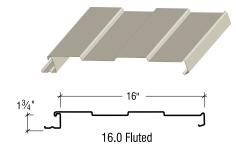
DESIGNER** SERIES

The DesignerTM Series panels provide the toughness of metal while creating an attractive, flexible and functional wall or fascia panel. The DesignerTM Series is offered in fluted and flat panels, which are equally effective for new construction or retrofitting existing buildings.

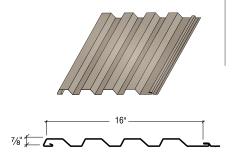
If your design calls for a smooth or flat wall or fascia, look to the Designer™ Series 12.0 Flat Panel. The Designer™ Series 12.0 Flat Panel offers a 1¾-inch deep leg providing the perfect cavity for rigid board insulation.

- Application: Wall
- Coverage Widths: 12" (flat) and 16" (fluted)
- Panel Attachment: Concealed Fastening System
- Gauges: 24 (standard); 22 (optional)
- Finishes: Smooth (standard); Embossed (optional)
- Coatings: Galvalume Plus®, Signature® 200, Signature® 300, Signature® 300 Metallic





MASTERLINE 16

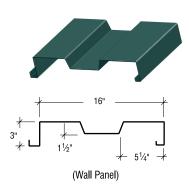


MasterLine 16 is a concealed fastener metal wall panel that provides an interesting shadow line, enhancing the aesthetics of the panel. While primarily designed for horizontal applications, it can also be installed vertically to give a distinguished architectural design. The panels provide 16" coverage and are available with factory applied mastic in the side laps. Panels may be attached to metal studs, with or without sheathing, as well as to subgirts.

Product Specifications

- Application: Wall
- Coverage Width: 16"
- Panel Attachment: Concealed Fastening System
- Gauges: 24 (standard); 22, 20, 18 (optional)
- Finishes: Smooth (standard); Embossed (optional; 24 and 22 gauge only)
- Coatings: Galvalume Plus®, Signature® 200, Signature® 300, Signature® 300 Metallic

SHADOWRIB

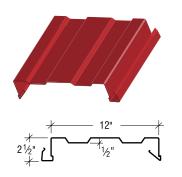


ShadowRib™ is a 3" deep panel that combines aesthetics, economy and function to bring definition to metal structures. ShadowRib™ is a proven performer and a versatile tool to the designer. Structural strength in the ShadowRib™ panel is accomplished without sacrificing appearance or design flexibility. The fluted face creates distinctive shadow lines.

Product Specifications

- Application: Wall
- Coverage Width: 16"
- Panel Attachment: Concealed Fastening System System (outside); ShadowRib™ Panel Clip (inside)
- Gauges: 24 (standard) and 22 (optional)
- Finishes: Smooth (standard); Embossed (optional)
- Coatings: Galvalume Plus®, Signature® 200, Signature® 300, Signature® 300 Metallic

NUWALL®

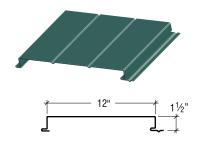


The NuWall® wall panel can be used for either new or retrofit construction. This concealed fastened system creates a clean, uninterrupted wall on a building.

Product Specifications

- Application: Wall
- Coverage Width: 12"
- Panel Attachment: Concealed Fastening System
- Gauges: 24 (standard) and 22 (optional)
- Finishes: Smooth (standard); Embossed (optional)
- Coatings: Galvalume Plus®, Signature® 200, Signature® 300, Signature® 300 Metallic

FW-120



The FW-120 panel is a concealed fastener wall and liner panel that provides a flat appearance. FW-120 is commonly used for architectural, commercial and industrial markets. The heavy gauge offering provides for large spanning capabilities, particularly in composite wall applications.

- Application: Wall, Fascia
- Coverage Width: 12"
- Panel Attachment: Concealed Fastening System
- Gauges: 24 (standard); 22, 20 (optional)
- Finishes: Smooth (standard); Embossed (optional)
- Coating: Signature® 300

Interior Wall & Liner Panels



These concealed fastener interior wall and liner panels offer an attractive, flat appearance for architectural, commercial and industrial markets. The FW-120 panel can also be used as an interior wall or liner panel. The IL panel is available with face beads and/or embossing to minimize the potential for oil canning.

Field-Assembled Composite Wall Systems

The composite wall system is designed to accommodate FW or 7.2 panels as exterior skins with IL panel interior liners.



The IL Panel is ideal for an interior liner creating a rugged and attractive finished wall appearance. This panel features a concealed fastened system. The IL Panel profile allows for installation as the liner of a composite wall system or installed to the inside girts of a building. The IL Panel is not recommended for exterior wall applications.

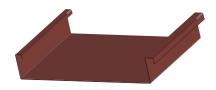
- Applications: Interior Wall and Liner
- Coverage Widths: 18" and 24"
- Panel Attachment: Concealed Fastening System
- Gauges: 24 (standard); 22 (optional)
- Finishes: Smooth (standard); Embossed (optional)
- Coating: Signature® 200

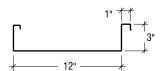
Underhung Canopies

MBCI offers two separate panel profiles for underhung canopies, the $Classic^{\otimes}$ Series and $QwikLok^{TM}$.



CLASSIC® SERIES





The Classic® Series is a time-tested performer. Through the years, this panel has been used for canopies, walkway covers and soffits. Proven capabilities make this a versatile and valuable design tool. The Classic® Series creates a clean, flush appearance when used as a canopy system.

Product Specifications

- Applications: Canopies, Walkway Covers and Soffits
- Coverage Widths: 12" and 16"
- Panel Attachment: Concealed Fastening System
- Gauges: 24 (standard); 22 (optional)
- Finishes: Smooth (standard); Embossed (optional)
- Coatings: Galvalume Plus®, Signature® 200, Signature® 300, Signature® 300 Metallic

QWIKLOK[™]





QwikLokTM is ideal for underhung applications. No more fighting with trying to install two panels at one time. Unlike conventional roofing cover, QwikLokTM can be assembled from the underside of the structure one panel at a time, producing a flush appearance with no exposed fasteners.

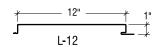
- Applications: Canopies, Walkway Covers and Soffits
- Coverage Width: 12"
- Panel Attachment: Concealed Fastening System
- Gauge: 24
- Finishes: Smooth (standard); Embossed (optional)
- Coating: High Gloss White

Soffits

MBCI offers two separate panel profiles to be used as soffits. The Artisan® Series is simplistic and offers uniform dimensions and a clean appearance. The FlexLoc® panel system combines a clean, flat appearance with an easy-to-engage seam.

ARTISAN® SERIES



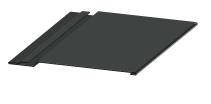


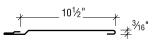
The simplicity of the Artisan® Series panel is its best design feature. Uniform dimensions and a clean appearance allow the designer to plan modules, eliminate complicated pieces and follow wall curvatures. The Artisan® panel can be vertical, horizontal, perpendicular or skewed to the building line, allowing the designer multidimensional freedom to create.

Product Specifications

- Applications: Soffits and Interior Liners
- Coverage Widths: 8", 10" and 12"
- Panel Attachment: Concealed Fastening System
- Gauges: 24 (standard); 26, 22 (optional)
- Finishes: Smooth (standard); Embossed (optional)
- Coatings: Galvalume Plus®, Signature® 200, Signature® 300, Signature® 300 Metallic

FLEXLOC®





Available in 8½-inch, 9½-inch or 10½-inch widths, the FlexLoc® panel is clipped down to a waterproofed solid substrate, when used in roof applications.

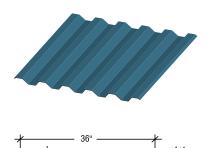
- Applications: Soffits and Curved Applications
- Coverage Widths: 8½", 9½" and 10½"
- Panel Attachment: Concealed Fastening System
- Gauges: 24 (standard); 22 (optional)
- Finishes: Smooth (standard); Embossed (optional)
- Coatings: Galvalume Plus®, Signature® 200, Signature® 300, Signature® 300 Metallic



Exposed Fastening Systems

MBCI exposed fastening systems help provide contemporary and environmentally-friendly aesthetics. Oftentimes these panels can be installed both vertically and horizontally, giving you numerous options for your design. To see all of our exposed-fastening options, visit us online at www.mbci.com.

7.2 PANEL



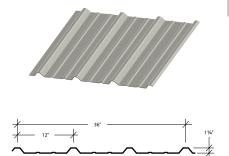
When your design calls for a commercial or industrial exposed fastener panel, the 7.2 Panel is an ideal choice. This panel offers versatility and functionality for roofs and walls. The symmetrical rib 7.2 Panel offers excellent spanning and cantilever capabilities, making it an excellent choice for carports and walkway canopies. When used on walls, the 7.2 Panel is typically ordered as "reverse rolled" and can be installed either vertically or horizontally.

Product Specifications

- Applications: Roof and Wall
- Coverage Width: 36"
- Rib Spacing: 7.2" on Center
- Rib Height: 11/2"
- Minimum Slope: 1/2:12

- Panel Attachment: Exposed Fastening System
- Gauges: 24 (standard); 29, 26 and 22 (optional)
- Finishes: Smooth (standard); Embossed (optional)
- Coatings: Galvalume Plus®, Signature® 200, Signature® 300, Signature® 300 Metallic

PBR



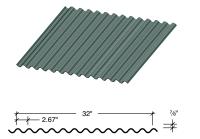
The PBR panel is commonly used for a wide variety of architectural, agricultural, commercial and industrial applications. PBR is a structural panel and an exposed fastener panel that can be used for both roof and wall applications. The minimum roof slope for PBR is ½:12.

Product Specifications

- Applications: Roof and Wall
- Coverage Width: 36"
- Rib Spacing: 12" on Center
- Rib Height: 11/4"
- Minimum Slope: ½:12

- Panel Attachment: Exposed Fastening System
- Gauges: 26 (standard); 22, 24 and 29 (optional)
- Finishes: Smooth (standard); Embossed (optional)
- Coatings: Galvalume Plus®, Signature® 200, Signature® 300

PBC



The PBC panels can be used for both roof and wall applications. PBC panels are attached to a building structure with exposed fasteners. The PBC panel is often used in horizontal applications on walls.

Product Specifications

- Applications: Roof and Wall
- Coverage Width: 32"
- Rib Spacing: 2.67" on Center
- Rib Height: 7/8"
- Minimum Slope: 3:12

- Panel Attachment: Exposed Fastening System
- Gauges: 26 (standard); 22, 24 and 29 (optional)
- Finishes: Smooth (standard); Embossed (optional)
- Coatings: Galvalume Plus®, Signature® 200, Signature® 300

PBD



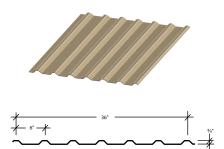
The PBD panel is an exposed fastened panel system that can be used for roof and wall applications. When used in wall applications, panels can be installed vertically or horizontally. The ribs in the PBD panel are symmetrical from top to bottom, which makes this panel ideal as a roof liner.

- Applications: Roof and Wall
- Coverage Width: 32"
- Rib Spacing: 2.67" on Center
- Rib Height: 5/8"
- Minimum Slope: 3:12

- Panel Attachment: Exposed Fastening System
- Gauges: 26 (standard); 22, 24 and 29 (optional)
- Finishes: Smooth (standard); Embossed (optional)
- Coatings: Galvalume Plus®, Signature® 200, Signature® 300



PBU



The PBU panel is an exposed fastener system that can be used for both roof and wall applications. PBU can be installed directly over purlins or joists. PBU offers the versatility of being used in both vertical and horizontal applications to give designers a contemporary appearance for their building project. PBU is recommended for 1:12 or greater roof slopes.

Product Specifications

- Applications: Roof and Wall
- Coverage Width: 36"
- Rib Spacing: 6" on Center
- Rib Height: ¾"
- Minimum Slope: 1:12

- Panel Attachment: Exposed Fastening System
- Gauges: 26 (standard); 22, 24 and 29 (optional)
- Finishes: Smooth (standard); Embossed (optional)
- Coatings: Galvalume Plus®, Signature® 200, Signature® 300

AVP



12" - + 11%"

The AVP panel is used for wall application and features pencil ribs, providing improved aesthetics to the building design.

- Application: Wall
- Coverage Width: 36"
- Rib Spacing: 12" on Center
- Rib Height: 11/8"

- Panel Attachment: Exposed Fastening System
- Gauges: 26 (standard); 22, 24 and 29 (optional)
- Finishes: Smooth (standard); Embossed (optional)
- Coatings: Galvalume Plus®, Signature® 200, Signature® 300



Structural Systems



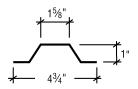
LITEFRAME®

Flexibility is the key to establishing discriminating profiles for mansard and fascia applications. LiteFrame® gives the designer total control to create shapes that enhance a building's character. Virtually any combination of hat sections, channel sections and sub-girts can be made, allowing the designer to make a statement with stature and style.

This light gauge structural framing was designed for preformed metal panels. MBCI precision roll forms LiteFrame® in 20' lengths, but custom lengths are available. Hat sections and channel sections are easily assembled to make strong structural-type framing members.



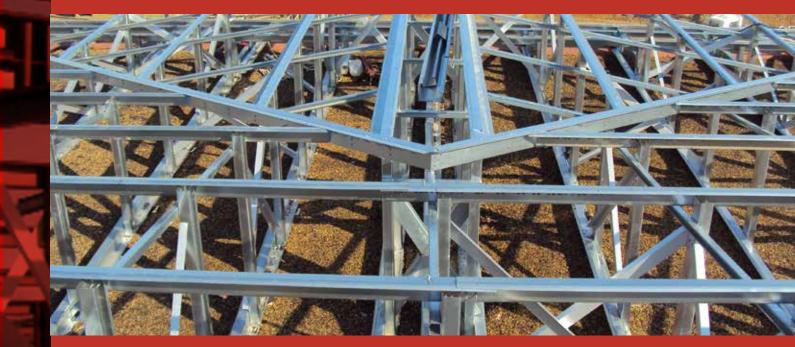




STANDARD AND CUSTOM STRUCTURAL SHAPES

MBCI manufactures a complete line of structural shapes roll-formed to dimensions common to the metal building industry. Additionally, custom shapes can also be formed to accommodate specific project requirements.





Retrofit Solutions

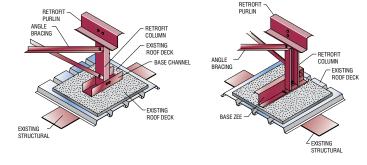
Whether your current roof is leaking, has problematic rainwater discharge, expensive maintenance costs, deficient energy efficiencies or all of these issues, MBCI's NuRoof® Retrofit System can help.

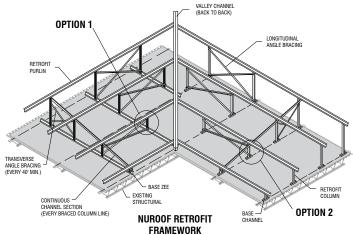


The NuRoof® framing system utilizes light-gauge (16 ga. to 12 ga.) steel framing installed directly over the existing roof's framing members to create a sloped plane. Regardless of whether your roof substrate is steel, wood or concrete, MBCI's NuRoof® system can be employed to satisfy the building owner's requirements. MBCI has the experience required to design the retrofit framing system that will comply with the original load requirements of the existing roof. The NuRoof® framing system has been designed to allow for a UL 90 rating using certain spacing requirements as well as meeting a variety of live and wind load requirements.

The existing roof's physical footprint, framing system and other rooftop conditions will most likely control the new roof's geometry. A low-sloped application is typically driven by economy and designed to discharge rainwater from the roof. High-slope applications are designed to improve and update the look of an existing building in conjunction with improving the performance of the roof.

Once a NuRoof® framing system has been installed, one of MBCI's standing seam metal roofs is typically installed, creating a ventilated attic space while providing an architecturally appealing roof.







Service That Makes a Difference

MBCI was founded on its commitment to service. The additional effort from our staff sets MBCI apart from the competition. MBCI's Project Service team is staffed and prepared to provide professional assistance to the architectural and contracting communities. From the initial project concept, Project Services will assist in developing budget criteria and product selection as well as estimating and shop drawings.



MBCI's educated sales personnel are authorized to conduct AIA Continuing Education classes for the many courses we offer. Contact us today by phone or through our website to schedule a meeting or lunch-and-learn.

CERTIFIED INSTALLER PROGRAM

The MBCI Certified Installer courses cover every aspect of putting our sophisticated systems on your roof, including materials and handling, weathertightness and technical requirements to installation steps and specific detail conditions.

SINGLE SOURCE WARRANTY

When you specify one of MBCI's Single SourceTM Warranties, you can have confidence that your project will be covered by the most comprehensive warranty available. MBCI will conduct timely inspections to guarantee that the approved details are being used and the roof is being properly installed. Any discrepancies found during these inspections that would prevent issuance of the warranty will be quickly brought to the architect's attention. Should a leak occur after the warranty has been issued, the owner can rely on MBCI to handle.



GREEN BUILDING BENEFITS

MBCI's metal panels are energy efficient, recyclable, durable, lightweight and cost-effective. Our panels are comprised of 25% to 35% recycled materials and our single skin panels are virtually 100 percent recyclable.

Cool metal roofing provides energy savings offering both economical and environmental benefits. As a proud ENERGY STAR® Partner, our Cool Roof colors have reflectivity performance that met ENERGY STAR® criteria for roof pitches greater than 2:12.

Our **CCO**-FICIENT® insulated metal panels have high R-values, which provide superior thermal performance and reduced energy consumption, allowing for smaller greenhouse gas emissions and reduced energy costs for building owners. IMPs also mitigate thermal drift, which is common when using unfaced polyisocyanurate rigid board insulation.

IMPs qualify as continuous insulation (ci) where required by the International Energy Conservation Code® (IECC) and ASHRAE 90.1. This allows for insulation to be free from significant thermal bridging. And, because of their unique self-sealing side joints, <code>eco-Ficient®</code> panels also function as an important part of a Continuous Air Barrier (CAB) system.

TRIM & FLASHING

All trim and flashing is available in the same gauge and finish as our panel offerings. A complete selection of standard trim and made-to-specification flashing in lengths to 20'-3" is available upon request. All flashing is designed to minimize exposed fasteners.

TECHNICAL INFORMATION

MBCI conforms to industry-accepted metal and finish coating standards. Physical properties are available upon request. MBCI is committed to an aggressive, independent physical testing program to continually comply with guidelines on water penetration, uplift ratings and structural performance.

MATERIALS & COATINGS

The base metal is 26, 24 or 22 gauge steel manufactured from either high-strength Galvalume® produced to ASTM A792/A792M-AZ50 or AZ55, Grade 50; or HDG produced to ASTM A653/A653M-G90 structural aluminum. Finishes include baked enamel, urethane, and Plastisol. All materials are available smooth or stucco-embossed.

All metal architectural panels have wide, flat surfaces to meet the demands of today's design. While MBCI has recognized and responded to this requirement, we have a responsibility to point out that a wide and perfectly flat appearance is not always possible. In some wide products, panel distortion, called oil canning, may occur and require additional aesthetic tolerance and/or additional support behind the panel face. Heavier gauges, narrower widths, striations and embossing minimize oil canning.

PAINT FINISHES

MBCI offers one of the largest color selections in the industry. Each of our paint colors qualifies as a Cool Roof on sloped roofs above 2:12. Our applied finishes work as an excellent alternative to masonry or tilt-wall construction and are available on our <code>ECO-FICIENT®</code> insulated metal panels.

SIGNATURE® 300/SIGNATURE® 300 METALLIC

This fluorocarbon paint system combines ceramic pigmentation with polyvinylidene fluoride (70% of resin solids) for a superior, long-lasting finish. Outstanding performance and durability are achieved through this proprietary resin technology. Signature® 300 is recognized as providing unsurpassed performance in critical areas such as color retention, film erosion rate and chemical resistance.

SIGNATURE® 200

Signature® 200 is a thermoset coating system composed of polyester resin modified by copolymerization with a functional silicone resin intermediate. With high quality ceramic pigmentation, Signature® 200 offers optimum exterior protection plus superior resistance to chemical corrosion and ultraviolet radiation. Signature® 200 represents the most sophisticated silicone polyester coating system in the industry.

PAINT WARRANTIES

Forty-year limited paint warranties are available upon written request and project qualification for all paint colors except Brite Red, which has a 25-year warranty. A 10-year warranty is available for applied finishes. (Outside the continental United States, please inquire.)



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