



**ECO STEEL**  
ECONOMICAL  
STEEL BUILDING  
TECHNOLOGIES



DURABLE  
AND ENERGY EFFICIENT

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PREMIUM  
INTERIOR FINISHES



COMPLEX BUILDING  
SOLUTIONS

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## WALL PRODUCTS

- Mesa
- Flat Wall Panel
- Striated
- Heavy Embossed
- Wood Grain Finish
- Corrugated
- Flute

## WALL LITES

- Polycarbonate Wall Lites

## ROOF PANELS & DECKS

- High Rib
- Standing Seam

## FIRE-RATED PANELS

- Fire 1-Hour Rated Panel
- 1-2-3 Hour Minera Fiber Panels

# INTRODUCTION

When constructing a new building or renovating an existing one, there are many factors to consider. With so many different building end-uses, from large warehouses to medical offices and custom homes, the market has a wide array of building needs. EcoSteel building systems are often used today for one and two-story buildings because they provide benefits like durability, speed of construction, design flexibility, attractive appearance, energy efficiency, and they are cost effective to construct and maintain.

EcoSteel building systems come in a variety of shapes and sizes, but at their core they all utilize a custom engineered structural steel frame and a high-performance insulated shell. From sub-zero temperatures to dry heat or high humidity, Mother Nature continually tests the limits of building envelopes. Products from EcoSteel are specifically engineered to secure the interior's climate regardless of exterior weather conditions.

While our insulated wall panels are a popular option, sometimes they are substituted or combined with masonry, stone, pre-cast or tilt-up concrete, wood, glass or other architectural wall treatments. The versatility and flexibility of our building systems allows for a myriad of colors, shapes, textures and designs. Today's building projects require the perfect combination of energy efficiency, creative versatility, and reduced construction cost.

# ADVANTAGES

## MORE ENERGY EFFICIENT:

- Superior thermal insulation capabilities compared to other insulating materials with an R-value of 8 per inch
- Closed cell Class I fire resistant polyisocyanurate insulation and self-aligning, double interlocking tongue and groove joints with concealed fasteners create an air and water-tight seal to stabilize interior environments

## SUSTAINABLE:

- Minimum of 30% Recycled steel content
- 100% recyclable and reusable at the end of its service life
- Contributes to LEED® credits and Net-Zero Energy targets

## SINGLE COMPONENT:

- Factory-injected insulation is continuously foamed in-place and integrated with dual metal facing panels to create a single high strength composite

## DURABLE & ECONOMICAL:

- Long service life with extremely high insulation R-values maintained for the life of the building
- Reduces operation costs and maintenance

## MEASURABLE SAVINGS:

- Fast one-pass, single component installation eliminates the inefficiencies of multi-piece field assembled wall and roof systems saving in installation, time and labor costs
- Insulated metal panels have high strength-to-weight ratio that allow for longer spans and reduce structural costs

## TESTED & APPROVED:

- Tested for compliance with North American industry standards and codes
- Factory Mutual approved

## VERSATILE:

- Hidden fastener systems with a variety of profiles, colors, finishes, accessories, and trims integrate into any building design
- Can be used in either vertical or horizontal applications
- Design vision is not compromised when doors, windows or other construction materials are incorporated into the panel assembly

## DESIGN SERVICES:

- Engineered shop/installation drawings
- Complete cladding packages including accessories and trims
- Daylighting systems

# AN INTELLIGENT ALTERNATIVE

We combine proven steel construction methods with a nationwide network of manufacturing locations and commercial steel contractors. EcoSteel uses a library of certified components that assemble with standard tools.

EcoSteel's design approach begins with 3D model design, structural concept modeling, and preliminary shop details. We then help our clients coordinate the delivery of a pre-fabricated kit of parts that assembles on site.

Our clients benefit by using prefab technology and readily available materials while controlling the costs and schedules for the majority of construction materials.

EcoSteel helps reduce costly mistakes by using BIM / Parametric Engineering Technology. We also eliminate subcontractors which means less people to manage and fewer mistakes. Our Panelized / Prefab construction utilizes an easy to assemble building system.

Design flexibility is paramount in today's custom driven market. Our steel frame can handle any shape, and our factory finished panels come in many different colors and styles.



# WHAT WE DO

EcoSteel designs, engineers, and supplies iconic steel buildings. Our pre-engineered steel buildings provide the world's most advanced Eco-friendly construction systems. In our expansive product line, we offer solutions for Commercial, Residential, and Multi-Family or Mixed Use projects.

We use a combination of commercial-grade steel framing wrapped in steel insulated panels. This unique approach provides optimal strength, versatility, and energy efficiency while maintaining the ability to design freely without limits.



DESIGN  
ENGINEER  
SUPPLY



# CLIENT AND ARCHITECT DRIVEN DESIGN

We audit the provided schematic design to assure the compatibility with the EcoSteel construction system, while maintaining the visual aesthetics of the project. Our team works with you and your architect during the design process to analyze the structure for potential conflicts within the interior space.

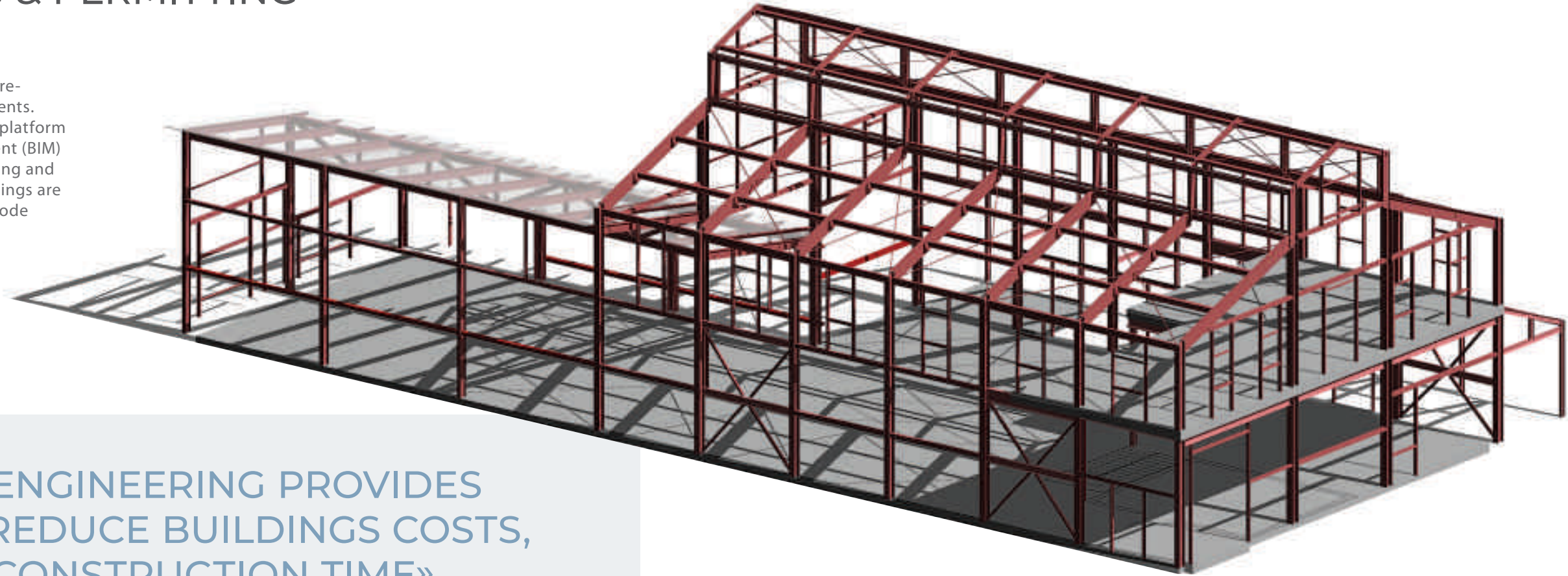


«WE CREATE AN ALL STEEL SYSTEM DESIGN TO REFLECT YOUR ARCHITECTURAL SET OF PLANS»

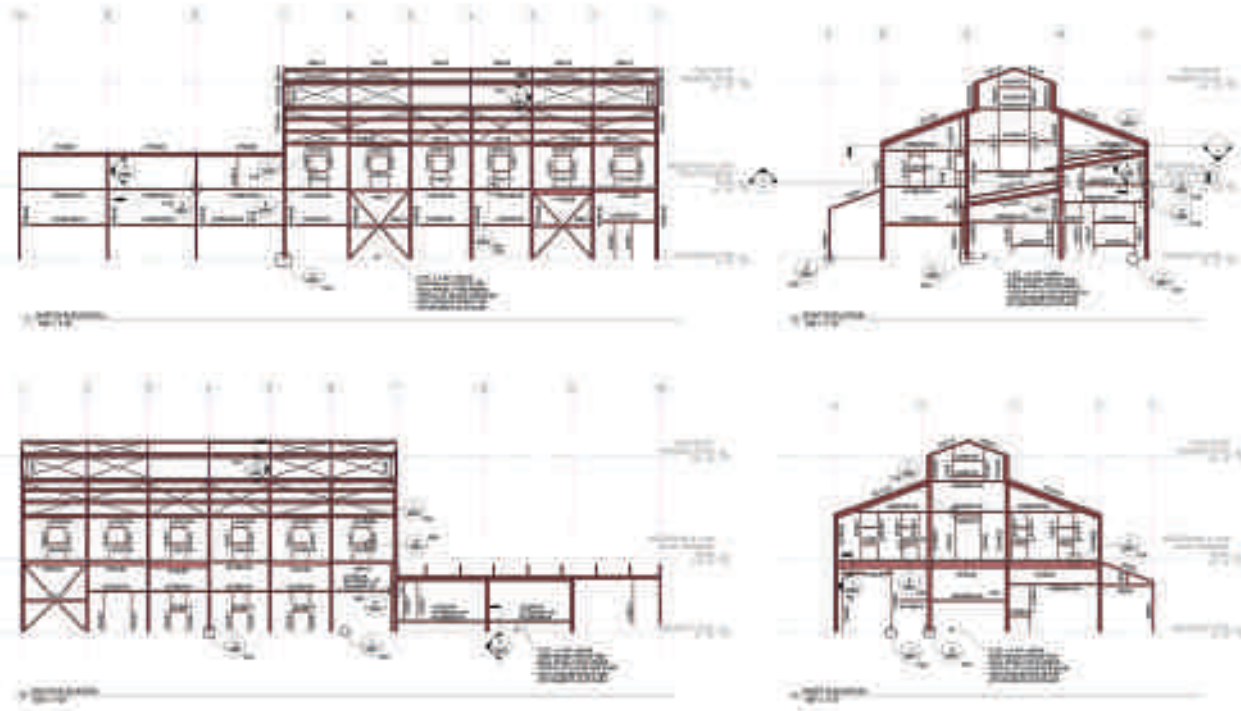


# ENGINEERING & PERMITTING

EcoSteel designs exclusively with pre-engineered steel building components. This allows us to deliver a superior platform of building information management (BIM) combined with the latest engineering and construction technology. Our buildings are designed to meet or exceed local code while resisting earthquakes, hurricanes, floods, and wildfires.



«OUR VALUE ENGINEERING PROVIDES OPTIONS TO REDUCE BUILDINGS COSTS, LABOR, AND CONSTRUCTION TIME»



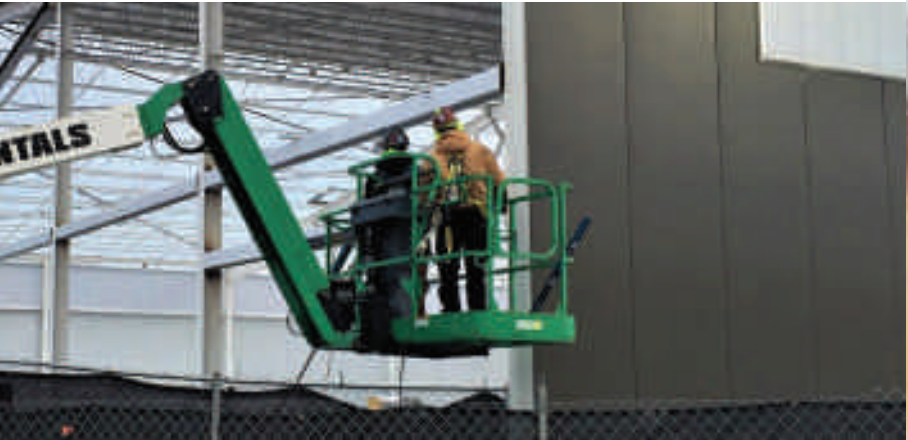
# PREFABRICATED BUILDING SUPPLY

Our fabrication methods allow us the flexibility to fabricate and flat pack ship large complex structures directly to the jobsite. All parts and pieces are labeled and number in a detailed assembly manual that any certified steel erector can assemble with ease.



# ALL STEEL CORE

All EcoSteel systems start with a steel frame to provide maximum strength and design flexibility. All parts are pre-cut, pre-drilled, and numbered for rapid onsite assembly. Our clear-span curtain wall structure eliminates the need for load-bearing interior walls, freeing up space and enabling creative, cutting-edge designs.



# PRE-FINISHED AND INSULATED PANELS

EcoSteel's insulated metal panels deliver both attractiveness and energy-efficiency to a building's design. As building and energy codes become increasingly more stringent, our panels are particularly advantageous in achieving sustainable design and code compliance. Our panels 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.





# COMMERCIAL

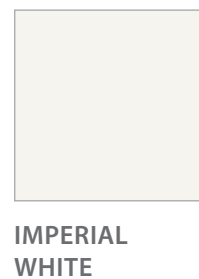


## STANDARD COLOR OPTIONS

### EXTERIOR COLORS



### INTERIOR COLORS



The colors shown here are representative only and not necessarily true reproductions of actual coating colors. Coil coat color chips are available upon request. For further information regarding color availability, please contact your local sales representative.



## CUSTOM COLOR OPTIONS



Corrosion



Ultraviolet



Chemical Attack



Abrasion



Condensation

- A wide range of solid and metallic colors
- Excellent durability and weather performance
- Energy Star and Cool Roof options
- Contributed to LEED credits

## STANDARD PAINT FINISHES

**100 .7 MIL NOMINAL TOP COAT | .2 MIL NOMINAL PRIMER | SUBSTRATE**  
 Durable Imperial White composite polyester resin is our standard interior coating that resists scratching, is easy to clean, and meets most application requirements.

**500 .7 MIL NOMINAL TOP COAT | .2 MIL NOMINAL PRIMER | SUBSTRATE**  
 Workhorse exterior silicone modified polyester resin coating provides superior resistance to chalk and fade, ideal for commercial and industrial applications.

**750 3.8 TOP COAT | .2 MIL NOMINAL PRIMER | SUBSTRATE**  
 Thick PVC coating perfect for corrosive environments in roof, wall, and ceiling projects requiring routine wash down.

**1000 .7 MIL NOMINAL TOP COAT | .2 MIL NOMINAL PRIMER | SUBSTRATE**  
 Fluoropolymer coating (70% Kynar 500 or Hylar 5000 resins) is 2-coat high performance paint for outstanding resistance to ultraviolet radiation. Exotic and high-build finishes available.

### TYPICAL COIL TEXTURES & FINISHES



Heavy Embossed    Light Embossed    Non-Embossed Smooth Finish    Clear Coat Galvanized

### SPECIALTY & EXOTIC FINISHES AVAILABLE



Rustic Copper    Weathered Zinc    Natural Rust

We also offer non-standard specialty finishes to serve in extreme environments. For more information, ask your EcoSteel Representative or see our Colors & Finish Literature for details.

**Note:** Depictions of colors here are a close representation. For an accurate depiction, please request chip samples in desired color.

For additional information, please see our Color Chart.



## WHY INSULATED METAL PANELS



### MATERIALS

EcoSteel panels are comprised of an advanced urethane core\* that is injected between two pre-finished steel facings, forming a single, all-in-one unit. The result is the most thermally efficient panel available. Wall panels also have a specially formed side joint that permits the hidden application of sealant within recessed grooves, creating an impenetrable water and vapor seal that protects your building against extreme weather.



### TIME

EcoSteel panels are pre-fabricated units, shipped to the jobsite ready-to-install in nearly all types of weather.



### LABOR COSTS

Insulated metal panels are designed for easy and efficient installation to keep your project on schedule. IMPs reduce the amount of labor trades associated with conventional multi-component wall and roof assemblies. IMPs all-in-one construction provides all necessary thermal, air, vapor, and water barriers in a single product.

\* ThermalSafe panels contain a fire-resistive mineral wool core.



### ENERGY EFFICIENCY

Each insulated metal panel contains an advanced urethane core\* that provides highly efficient insulation to drive down building energy usage and overall costs.



### PRESENCE

EcoSteel strives to offer production dates determined by customer needs, not manufacturer convenience. With manufacturing locations across the United States and Canada, EcoSteel offers faster service to our customers and reduced transportation costs.



### GREEN STANDARDS

EcoSteel panels are sustainably constructed, qualifying many buildings for credits in the Leadership in Energy and Environmental Design (LEED®) Rating System.





# SUSTAINABILITY

EcoSteel is committed to the future and the environment. Our insulated metal panels are manufactured to deliver superior thermal capabilities designed to minimize the use of energy required in the heating and cooling of buildings. We manufacture using materials that meet or exceed regulatory standards for the reduction of global warming potential and our panels have zero ozone depleting potential. We also use recyclable materials to produce 100% recyclable products and incorporate finishes that are engineered to reduce the carbon footprint and maximize solar reflectance and thermal emissivity.

## LEEDS CREDITS

Using EcoSteel panels can contribute to LEED credits in the following categories:

- LEED SS Credit 7.2 – Heat Island Effect – Roof LEED EA Prerequisite 2 – Minimum Energy Performance
- LEED EA Credit 1 – Optimize Energy Performance
- LEED MR Credit 1.1, 1.2 and 1.3 – Building Reuse
- LEED MR Credit 3 – Materials Reuse
- LEED MR Credit 4.1 and 4.2 – Recycled Content
- LEED IEQ Credit 4.1 – Low-Emitting Materials – Adhesives and Sealants
- LEED IEQ Credit 8.1 – Daylight and Views – Daylight
- LEED WE Credits 1-3 Water Efficient Landscaping, Innovative Wastewater Technologies, Water Use Reduction
- LEED ID Credit 1 – Innovation in Design

## GLOBAL STEWARDSHIP

- No Volatile Organic Compound (VOC) - Panels do not contain VOCs and do not contribute to air pollution.
- No Ozone Depleting Potential (ODP) - Have zero Ozone Depleting Potential & there are no limits by the EPA for its use today or in the future.
- No Global Warming Potential (GWP) - Panels meet EPA blowing agent requirements for the reduction of Global Warming Potential.



## R-VALUES

R-Values for 75° mean based on ASTM C518: Steady State Thermal Transmission. R-values for 40° mean based on interpolated data from ASTM C1363: Hot Box Apparatus. Values shown are for general use only. They do not reflect system or specific end-use insulation values.

Thickness	75° Mean	40° Mean
2"	15.72	16.95
2.5"	19.45	21.19
3"	23.18	25.42
3.25"	25.05	27.54
4"	30.65	33.89
5"	38.12	42.36
6"	45.59	50.84

STRENGTH IS BEAUTY



MEDICAL OFFICE



# LA MEDICAL OFFICE

This all steel bolted frame state of the art Surgery Center ensures the patients inside are protected by a superior structure designed for earthquakes, along with providing the most resistance to fires. Hospitals and Medical Office Buildings run a high risk of fast spreading fire damage with high pressure oxygen lines running through the walls. In addition to safety features, an EcoSteel prefab building eliminates the lumber and asphalt materials which are used in standard construction methods. The off gassing of glues for engineered lumber products and asphalt shingles creates poor indoor air quality. Steel does not harbor mold, bacteria, and termites and therefore does not need regular chemical treatments of water proofing or insecticides, which cause disease among humans. The project was completed in under 12 months and provides a safe healthy environment for employees and patients who occupy the building daily. The unique architecture and precision-based panel design conveys the message of a superior brand over that of the traditional building options.

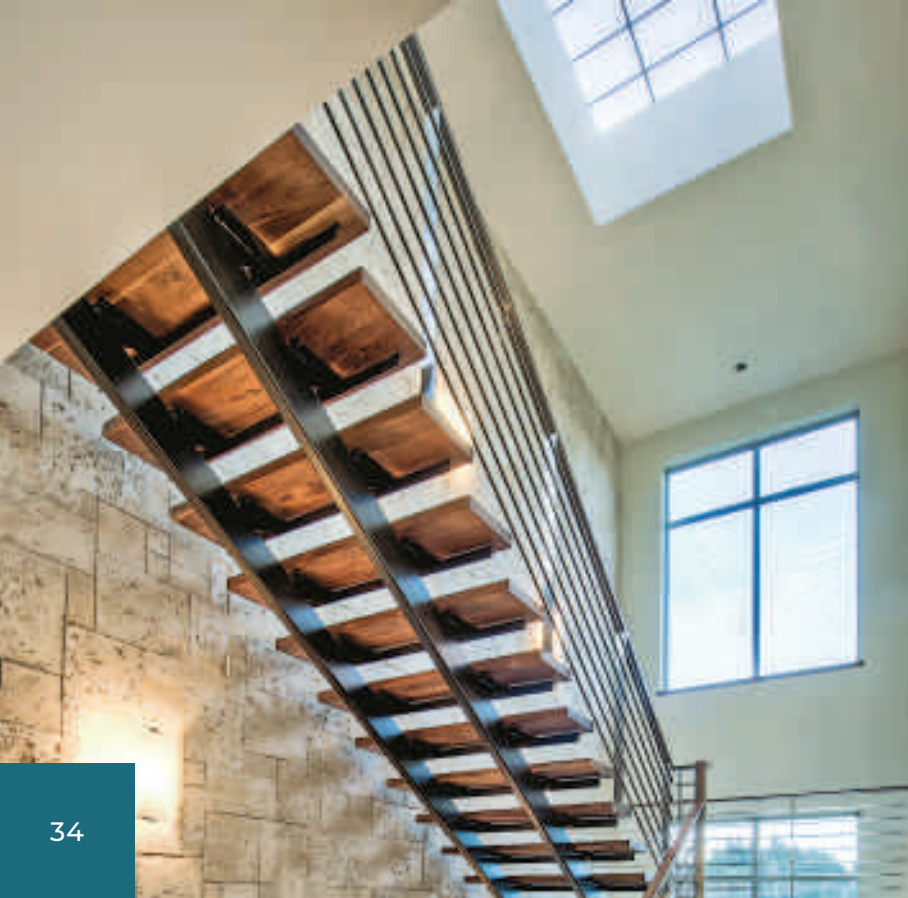


DURABLE AND  
ENERGY EFFICIENT



# NAPA CONTEMPORARY HOME

This 6,800 square foot custom residence is a testament to modern and contemporary architecture. Situated in the hills above Napa Valley, the owners demanded a thermally efficient, durable home that was also visually appealing. As Napa Valley strives toward progression and continually evolves new and innovative methods for viticulture and wine fermentation, the local homeowners evolve as well. Equipped with personalized custom exterior finishes, custom standing seam roof, and engineered for the installation of photovoltaic panels, these homeowners will monitor their personal vineyard while enjoying extreme thermal efficiencies achieved by EcoSteel's pre-insulated steel panels.



FIRE REBUILD

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## CUSTOM HOUSE

Faced with rebuilding after a firestorm that devastated the community, the owner — a well-respected artist — desired that his house deviate from the prominent local architectural language in order to bring an optimistic, contemporary voice to the scene. He also wanted the house to be an environment where he could create and display his artwork, while being inspired by the surrounding natural setting. To achieve this effect, large, expansive walls were utilized to display paintings, huge glass doors open to endless views, and a subtle color palette of materials was employed to allow art and nature to take the spotlight. Set on a 1/4-acre sloping lot, the supporting superstructure came to the site as pre-engineered, prefabricated, recycled steel framing and was designed to be protected within the interior volume. The metal skeleton allows for expansive openings that are filled with metal-framed glass. The remaining exterior is wrapped with a fire-resistant skin of color-enhanced insulated metal panels.





RETAIL AND RESTAURANT



## DISCRETION BREWERY

The original Homespace+Workspace retail store burned down in 2009. This client came to EcoSteel seeking to build with fire resistant materials, but also sought a visually pleasing retail space be achieved using EcoSteel's commercial and industrial methods and materials. The result is a 10,340 square foot steel building, complete with 2HR fire rated panels. To ensure this project remained on budget, interior structural elements were left exposed. The back interior faces of our pre-insulated steel panels were also left exposed to shave cost and provide a unique and interesting interior look. EcoSteel used an overlay on this project's MEP plans with our BIM 3D modeling to ensure elegant integration. This client also chose EcoSteel because of our Revit 3D modeling capabilities. It was important to easily make design changes early in the process in a virtual environment to ensure the client's design desires were met.



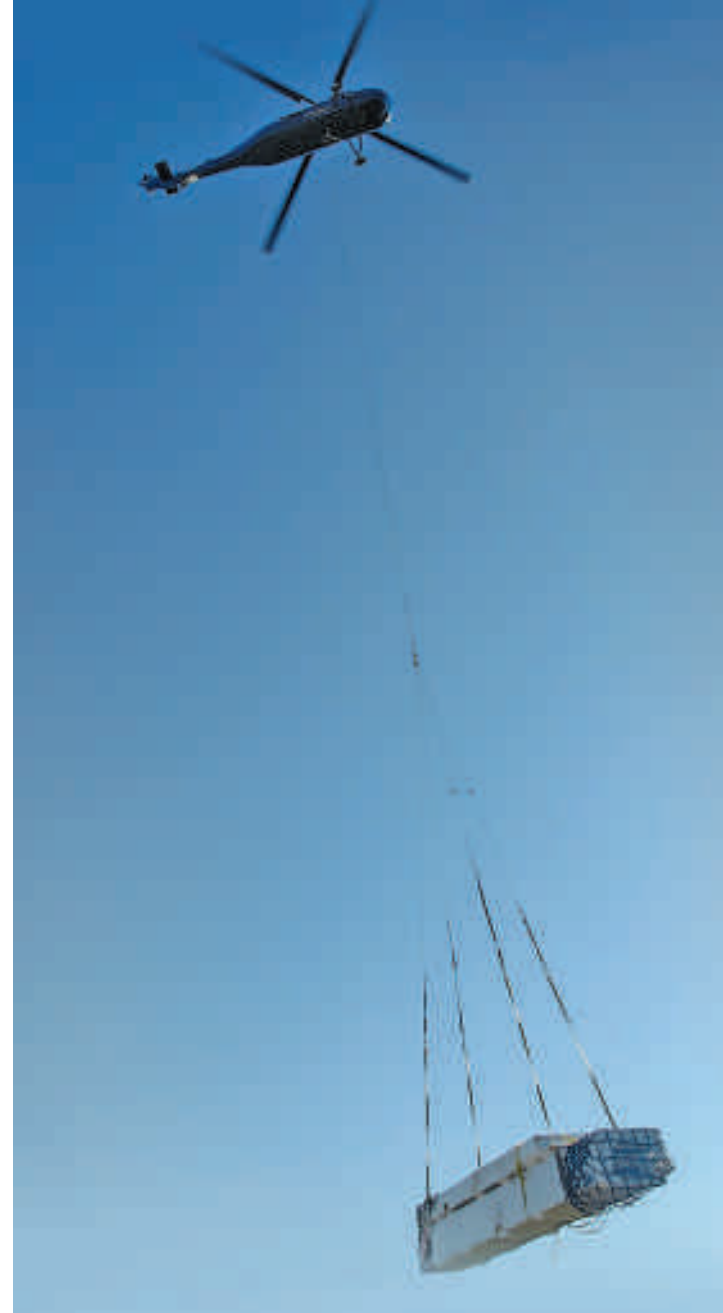
HURRICANE AND FLOOD  
ZONE APPROVED



# EXTREME WEATHER RESISTANT HOME

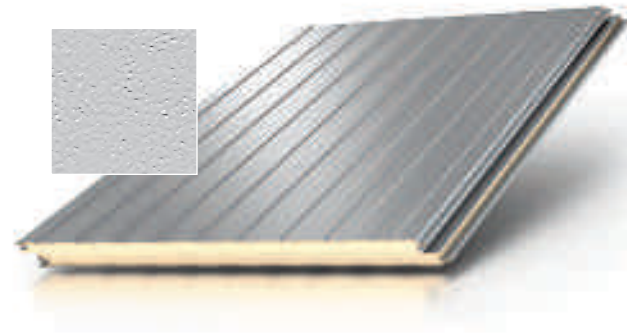
With a Private Island location at the mouth of the Atlantic Ocean sits a refuge in the woods against hurricanes and frigid temperatures. With a steel bolted structure engineered to withstand 14FT storm surges, this impressive custom design is a testament to creative thinking. Architecture by Seattle-based Woollen Studio and a pre-engineered building system by EcoSteel, the Cusabo Island home is a prefab wonder.

Engineered to exceed FEMA flood zone code requirements, with helical foundations, a steel structure, poly-iso insulated steel exterior wall and roof panels, which provide superior insulating properties for frigid winters and allow for extreme 140mph wind loading capabilities, while maintaining superior fire resistance. The 3,888 square foot home features a number of balconies, two bedrooms, and an open floor plan living and dining area. The home was prefabricated off-site and then flown in via helicopter for quick and low-impact construction (minus the helicopter time).



## MESA

Our Mesa profile panel is the perfect economical choice for exterior / interior wall and ceiling applications on industrial and cold storage buildings. The Mesa profiled facings make it particularly suited for thicker, long-length walls. The standard Imperial White interior finish is well-suited for most applications. Stainless steel and white plastisol are also available for interior use.



## FLAT WALL PANEL

Our flat wall panels are produced with standard embossed facings and offer a perfect solution for designers seeking a high-end designer look. Can be installed vertically or horizontally. The horizontal assembly incorporates a clean, simple end-joint design that utilizes a unique self-aligning aluminum extrusion.



### FEATURES & BENEFITS

- Low-profile linear surfaces simplify flashing connections to help prevent vapor transmissions at critical areas of the building envelope
- The standard exterior metal surface is embossed 26ga G-90 galvanized steel with standard PVDF and SMP exterior coatings (other coatings may be available)

Standard thickness  
2", 2.5", 3", 4", 5", 6" | Standard width  
40"



### FEATURES & BENEFITS

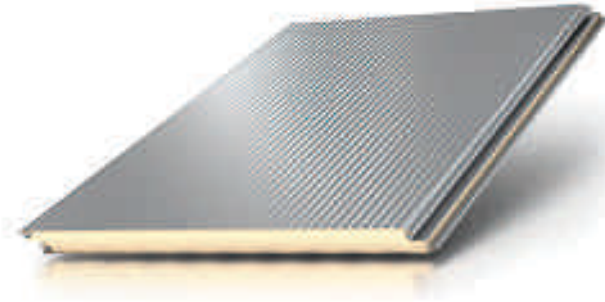
- The panel's overlapping joint is self-aligning and allows for easy sealant application
- Exterior is 22ga embossed G-90 galvanized steel with standard PVDF and SMP coatings
- Arrives on site in one-piece and requires a simple one-step installation reducing construction time and costs

Standard thickness  
2", 2.5", 3" | Standard width  
36" or 40"



# STRIATED

Our Striated wall panel offers an extremely economical exterior solution where a flat, clean appearance is desired. The nominal embossed striations add rigidity and ensure an acceptable flatness tolerance.



## FEATURES & BENEFITS

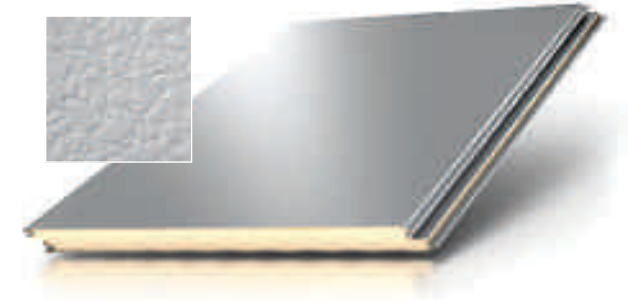
- The panel's overlapping joint is self-aligning and allows for easy sealant application
- Standard exterior metal surface is embossed 26ga G-90 galvanized steel with standard PVDF and SMP exterior coatings
- The standard interior metal surface is embossed 26ga Imperial White

Standard thickness | Standard width  
 2", 2.5", 3", 4" | 36" or 40"



# HEAVY EMBOSSED

The distinctive pattern of our Heavy Embossed profile makes this panel ideal for exterior walls on industrial or commercial facilities where design character is desired. The heavy-embossing adds rigidity & maintains a patterned flat appearance.



## FEATURES & BENEFITS

- May be installed with a pre-painted finish or field-sprayed with elastomeric coating (not by EcoSteel)
- The overlapping joint is self-aligning & allows for easy sealant application
- Exterior is 26ga G-90 galvanized steel with standard PVDF and SMP coatings

Standard thickness | Standard width  
 2", 2.5", 3", 4" | 40"



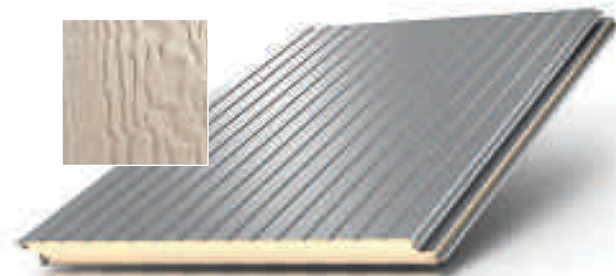
## WOOD GRAIN FINISH

### FEATURES & BENEFITS

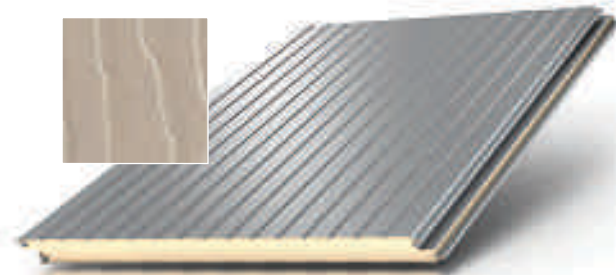
- The profile and finish provide for a bold non-metallic wood grain look
- 25-year limited paint warranty against chalking, fading, and loss of adhesion
- The panel's overlapping joint is self-aligning and allows for easy sealant application at the panel joinery
- The standard exterior metal surface is 26ga G-90 galvanized steel with durable ceramic polyester coatings
- The standard interior metal surface is 26ga Imperial White
- The panel arrives on site in one piece and requires a simple one-step installation reducing construction time and costs

Standard thickness  
2", 2.5", 3", 4"

Standard width  
40"



The low gloss scarfed wood grain pattern coupled with our micro-rib profile creates a traditional T1-11 style plywood appearance. This "retro" wall panel comes in four standard colors and includes a long life factory finished paint system along with the exceptional performance characteristics of a composite insulated panel.

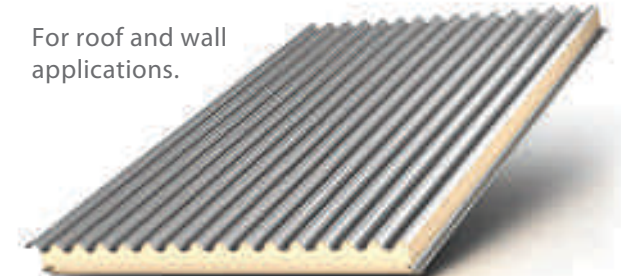


The bold low gloss wood grain pattern coupled with our micro-rib profile create a scored plywood appearance.

## CORRUGATED

Our new corrugated panel provides distinct texturing and style for a unique "retro" look in both roof and wall applications. Whether installed vertically or horizontally, it is perfect for retail, wineries, and "mixed-use" projects. Contact your EcoSteel representative for minimum roof slope.

For roof and wall applications.



### FEATURES & BENEFITS

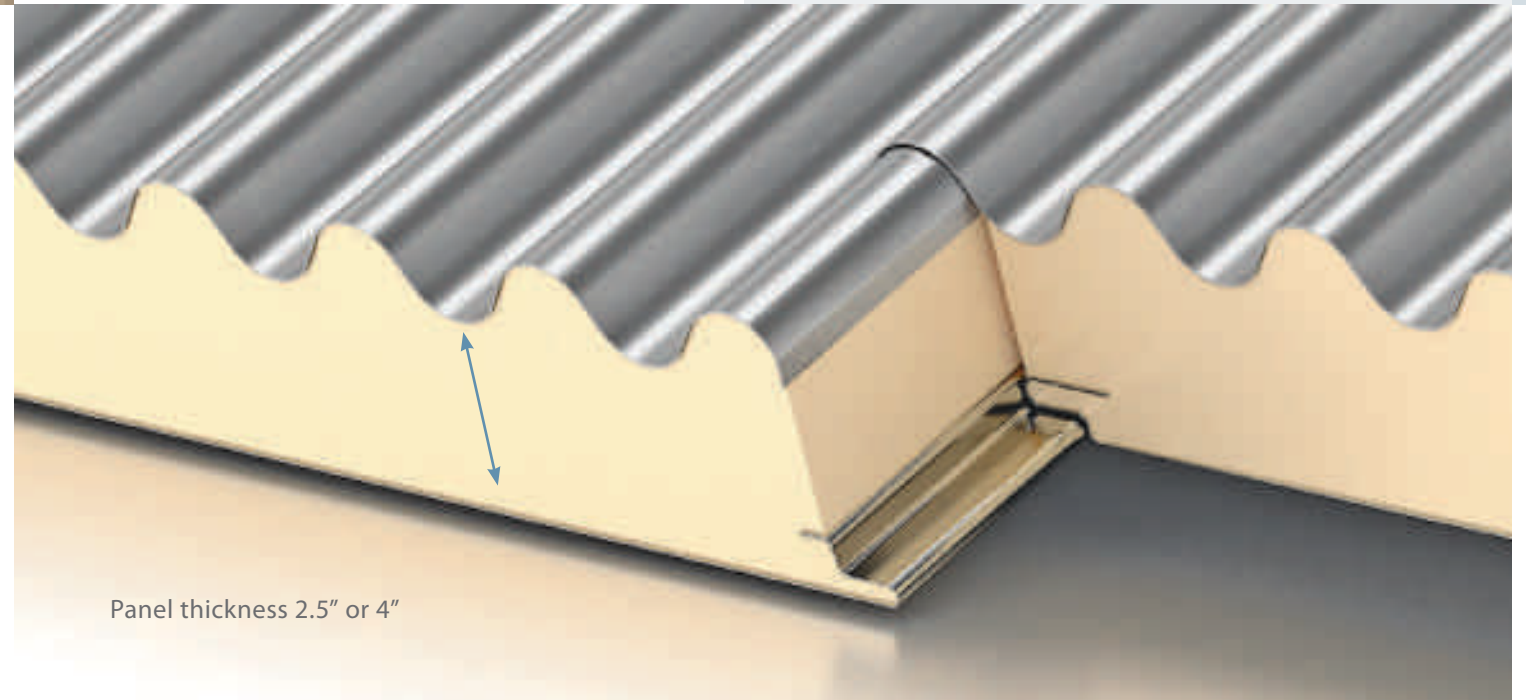
- 7/8-inch thick corrugated panel is 36 inches wide and can be installed horizontally or vertically
- Overlapping joint is self-aligning to allow for easy sealant application
- Standard exterior is embossed 26ga G-90 galvanized steel with fully warranted PVDF and clear polyester SMP coatings
- The panel arrives in one piece and requires one-step installation

Standard thickness  
2.5" or 3"

Standard width  
36"

Thickness R-Value  
2.5" 23

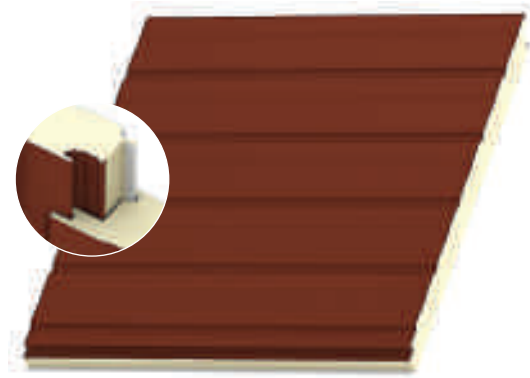
Thickness R-Value  
4" 35



Panel thickness 2.5" or 4"

# FLUTE

Our Fluted Panel offers a traditional and classic lined panel with a wide array of gauge and finish options for a custom-design. The traditional styling and obvious vertical lines of the Fluted panel are ideal for custom-designed or traditional-building construction, especially commercial and industrial applications.



## FEATURES & BENEFITS

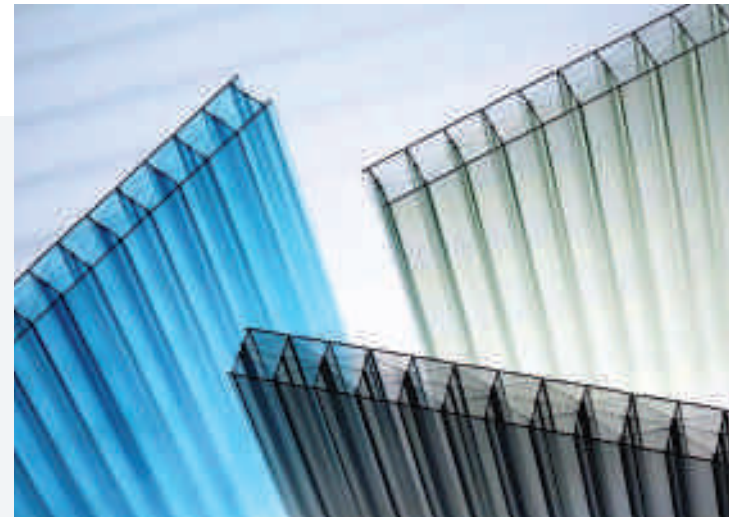
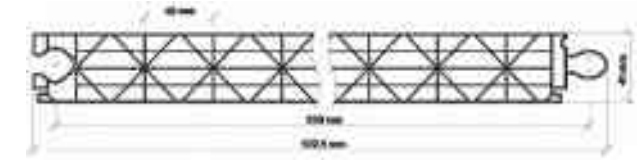
- **Exterior Profile:** 1" wide, nominal 3/8" deep, longitudinal reveals at 8.4" on center, embossed
- **Exterior Face:** G-90 galvanized or AZ-50 aluminum-zinc coated steel in 26, 24 and 22 Ga.
- **Interior Profile:** Mesa, nominal 1/8" deep or Light Mesa, nominal 1/16" deep, embossed or unembossed
- **Interior Face:** G-90 galvanized or AZ-50 aluminum-zinc coated steel in 26, 24 and 22 Ga.
- **Joint:** Offset double tongue-and-groove with extended metal shelf for positive face fastening

Standard thickness	Width	Length (horizontal)	Length (vertical)
2", 2 1/2", 2 3/4", 3", 4", 5", 6"	42"	8'-0" to 32'-0"	8'-0" to 52'-0"



# POLYCARBONATE WALL LITES

EcoSteel polycarbonate wall lites are an excellent daylighting solution designed to perfectly integrate with EcoSteel wall panels. Wall lite system includes standard trims and capture extrusions.



## FEATURES & BENEFITS

- Easy and fast installation
- Good light transmission / diffusion characteristics
- UV protected outer surface
- Extremely high stiffness and high impact strength
- Excellent thermal insulation
- Good flammability characteristics
- Long-term weather resistance
- Wide service temperature range: -40°F to +212°F



Panel Width	19.7" ± 0.01"
Panel Thickness	1.57" ± 0.03"
Weight	0.82 PSF
Standard Color	OPAL / OPAQUE
Temperature resistance	-40°F TO +212°F
R-Value	4.47 °F FT2 HR / BTU
Fire Rating	CLASS A / CCI

Span (ft)	5'-0"	5'-8"	6'-7"	7'-1"	8'-3"
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Load (psf)	37.6	31.3	25	18.8	12.5
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Note:  
For optimum cost efficiencies, please design to 5' or 10' wall light heights (5' wall girt spacing)



## HIGH RIB

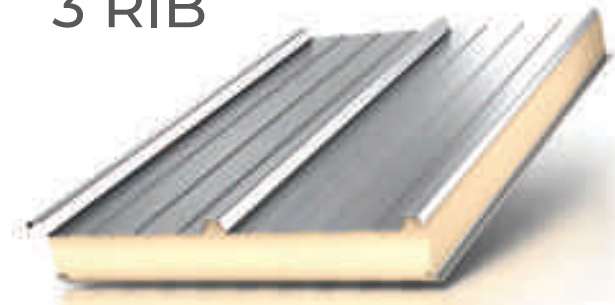
An economical solution compared to other field-assembled applications, our high rib panels reduce potential for interstitial condensation. This allows our HR series panels to meet energy codes, unlike traditional high rib fiberglass-insulated, screwed-down roofs.

These panels install quickly and easily by through-fastening into the support members, allowing for long spans and/or severe load conditions. A unique EPDM gasketed saddle washer at the standing ribs keeps fasteners out of shed water.

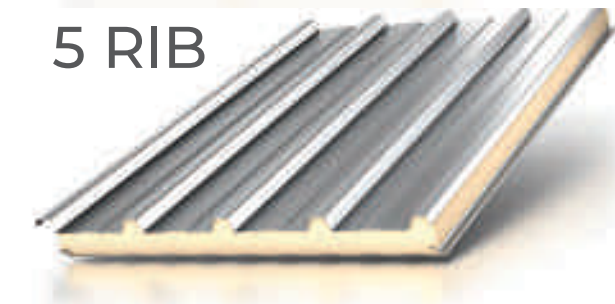


Through-fastened overlapping joinery

## 3 RIB



## 5 RIB



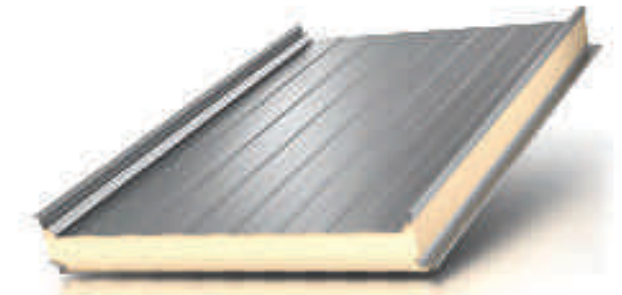
### FEATURES & BENEFITS

- The panel's overlapping joint is self-aligning and allows for easy sealant application at the panel joinery
- The standard exterior metal surface is smooth 26ga G-90 galvanized steel with standard PVDF and SMP exterior coatings
- The standard interior metal surface is embossed 26ga Imperial White
- The panels arrives on site in one piece and requires a simple one-step installation reducing construction time and costs

Standard thickness 1.5", 2.5", 4", 5", 6" | Standard width 40"

## STANDING SEAM

Get the look of a traditional metal standing seam roof with all the benefits of an insulated metal panel. Our Standing Seam roof profile offers a field seamed, hidden fastener joinery for maximum protection against the elements.



### FEATURES & BENEFITS

- The trapezoidal rib design provides added strength against potential foot traffic damage compared to other standing seam roof panels on the market
- Standard exterior metal surface is smooth 26ga G-90 galvanized steel with standard PVDF & SMP exterior coatings
- Standard interior metal surface is embossed 26ga Imperial White
- Arrives on site in one piece and requires a simple one-step installation reducing construction time and costs

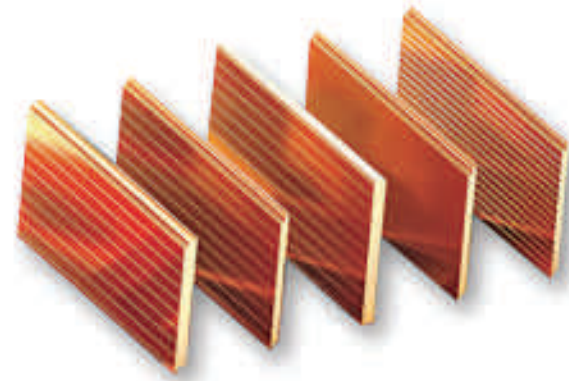
Standard thickness 3.25", 4", 5", 6" | Standard width 40"



## FIRE 1-HOUR RATED PANEL

Available in all standard EcoSteel wall profiles.

Our 1-hour fire rated exterior wall and interior partition panel is factory assembled from a unique combination of tried-and-true cladding components resulting in a building composite that provides superior performance in all categories compared with other fire rated wall assemblies. Fire 1-hour walls are designed to match all standard EcoSteel facing profiles and finishes, so you won't have to settle for compromised aesthetics.

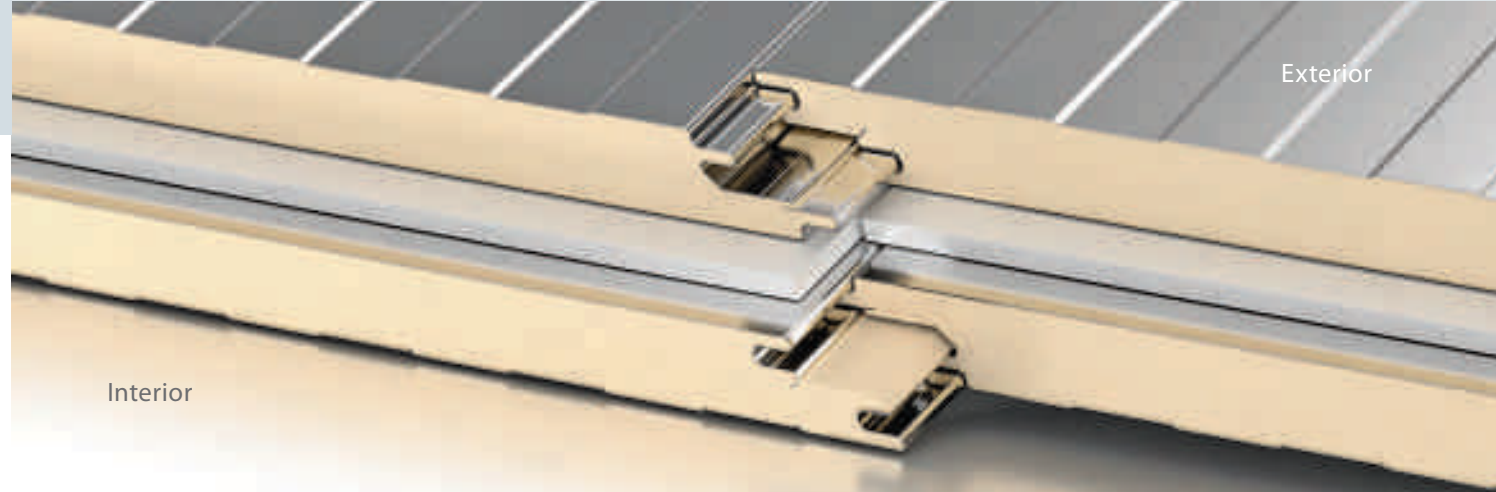


### FEATURES & BENEFITS

- Factory assembled composite, delivered on site in one piece for easy one-step installation
- Extremely resistant to deflection, breakage and moisture penetration
- Available in all standard colors and profiles as EcoSteel standard 40" wide wall products
- Hidden fastening at joints
- Designed for interior partitions or exterior wall applications

**Panel Thickness:** 4.5"  
**Insulating Value (R):** 32  
**Hourly Fire Rating:** 1 hour  
**Panel Width:** 40"  
**Panel Length:** 8' to 40' maximum  
**Insulation Material:** CFC-free foamed-in-place polyisocyanurate foam 2.1 to 2.5 pcf density

**Joint Configuration:** Double offset tongue and groove with concealed fastener  
**Metal facings:** 26ga galvanized steel (22ga, 24ga available)  
**Coatings:** PVDF & SMP (other coatings available)  
**Accessories:** Fasteners, concealed fastener clips, sealants, brake formed flashings



Interior

Exterior

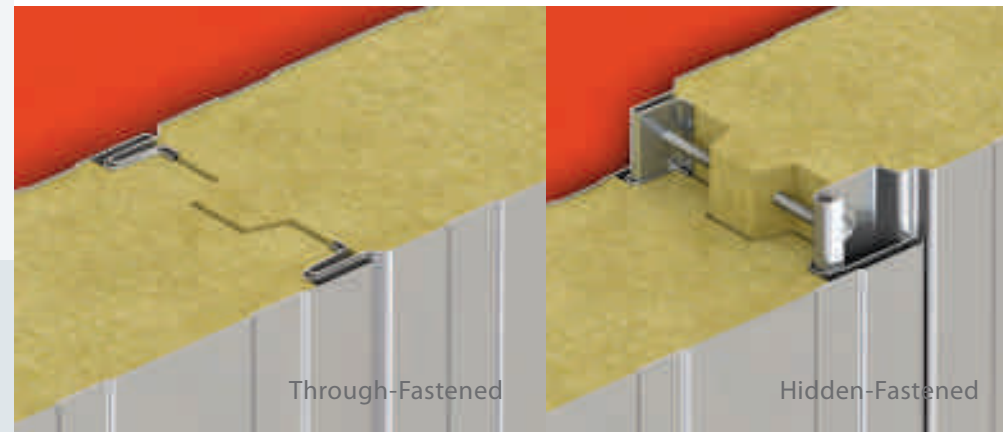
## 1-2-3 HOUR MINERAL FIBER PANELS

**Panel Width:** 42"  
**Panel Length:** 6' to 40' maximum  
**Insulation Material:** Mineral Wool  
**Joint Configuration:** tongue and groove with concealed fastener, or standard interior joint  
**Metal facings:** Exterior metal surface comes standard embossed 24ga. (26ga through-fasten only available in planked through-fasten assembly)

**Standard interior surface:** 26ga Imperial White  
**Stock Colors:** Imperial White, Sandstone, Regal White, Surrey Beige  
**Coatings:** PVDF & SMP (other coatings available)  
**Accessories:** Fasteners, concealed fastener clips, sealants, brake formed flashings  
**Panel arrives on site in one piece for one-step installation**

Panel thickness	R value	Fire rating
4"	15	1 HR
6"	22	2 HR
8"	29	3 HR

## PLANKED MF FIRE PANEL



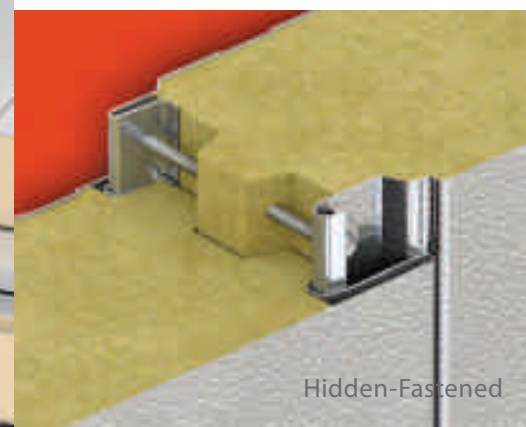
Through-Fastened

Hidden-Fastened

### FEATURES & BENEFITS

- The low profile linear facings simplify flashing connections designed to inhibit moisture vapor transmission
- The panel joint is self-aligning
- The exterior metal surface is embossed 24ga standard (26ga through-fastened only) galvanized steel with standard PVDF and SMP exterior coatings

## HEAVY EMBOSSED MF FIRE PANEL



Hidden-Fastened

The distinctive pattern of our Heavy Embossed profile makes this fire rated panel ideal for exterior walls on industrial or commercial facilities where a patterned, non-profiled appearance is desired.

### FEATURES & BENEFITS

- The low profile linear facings simplify flashing connections designed to inhibit moisture vapor transmission
- The panel can be installed with a pre-painted finish or may be field sprayed with a textured or stucco-style elastomeric coating
- The standard exterior metal surface is 24ga G-90 galvanized steel with standard PVDF and SMP exterior coatings (other coatings may be available)



## ECOSTEEL

28202 Cabot Road #300, Laguna Niguel, CA 92677

800.587.6604

[info@ecosteel.com](mailto:info@ecosteel.com)

[www.ecosteel.com](http://www.ecosteel.com)