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ICONIC STEEL BUILDINGS / SPRING 2024 EDITION

ECOSTEEL

ICONIC STEEL BUILDINGS

ATHLETIC FACILITIES

RECENT AWARD WINNING PROJECTS

THE SAN FRANCISCO HOMELESS SHELTER

In January 2021, the Bayview SAFE Navigation Center opened in the shadow of Interstate 280 amidst an industrial district on the bay side with warehouses, concrete yards and lumber yards. For this building, the designers in the city of San Francisco Bureau of Architecture specified **a metal building system, which was provided by Ecosteel**, Laguna Niguel, Calif.

Joss Hudson, President of Ecosteel advocates that metal buildings are ideal solutions for housing the homeless because you don't need to finish the interior with drywall, so the backing of insulated metal panels provide the interior wall finish. In fact, the Bayview center was erected within a month, according to Michael Bullman, AIA, LEED AP, an associate architect in the Office of Charles F. Bloszies, FAIA, San Francisco, which served as the architect of record.

"**I've never seen anything done like this with a courtyard**," says judge Mark Roddy, FAIA, principal of Mark Roddy Architects, Sacramento, Calif. "It's a nice use of materials, durable. This building is unapologetic. It's not pretending that it's not a metal building."

Judge Lee Calisti, AIA, principal, Lee CALISTI architecture+design, Greensburg, Pa., expands on that idea. "They didn't modify it a lot. They didn't run from what it is and how it normally manifests itself. **They just arranged it in a way that the building itself almost becomes recessive to the spaces it creates**. It's a reflection of the users. It says, "We're real people struggling with real issues and so is the building."

Award judge Mark Roddy, FAIA, principal of Mark Roddy Architects, Sacramento, Calif., says, "**Looking at it from a systems perspective, the metal building system remained**. It has new roofing, new skin. But the integrity of that system maintains."

"**Very frequently this is a project that architects have to deal with**," says Lee Calisti, AIA, principal, Lee CALISTI architecture+design, Greensburg, Pa. "This is going to show up on my desk more than others might, and this project gives hope to the other ones out there that get skipped over or ignored. They took what was there and transformed the material."

EJ BASLER MANUFACTURING

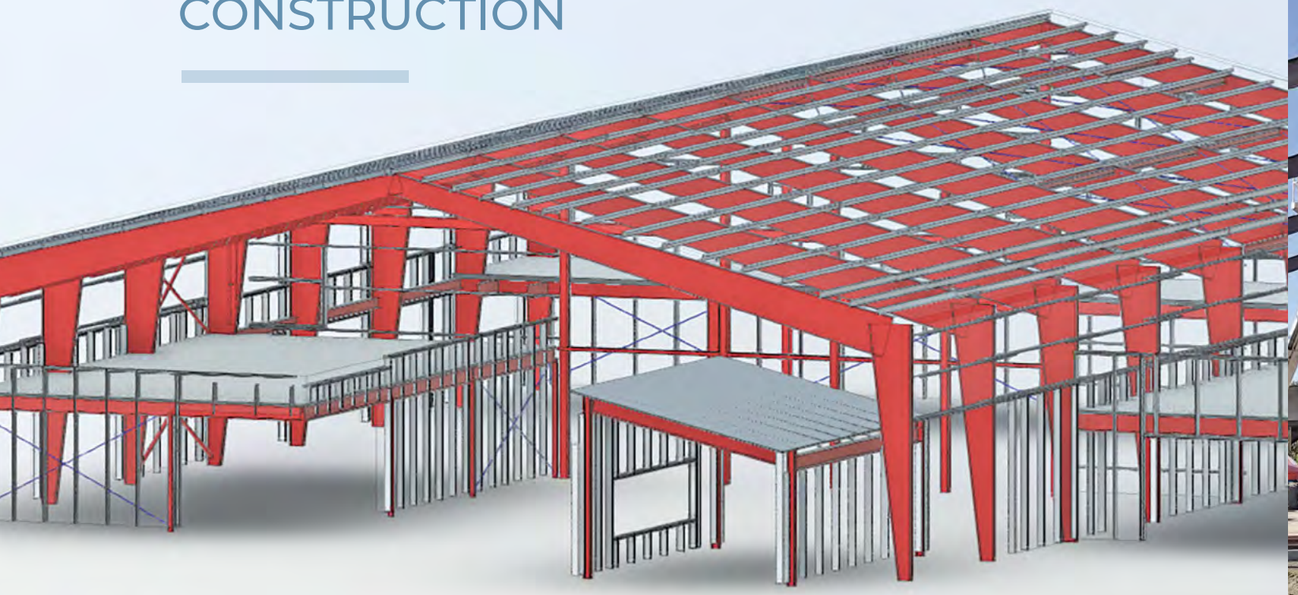
The project did more than just reinforce and reskin an existing metal building. While the frame was in good condition, workers needed to replace girts and purlins. "All the cold-formed stuff needed replacing," says Amstadter. "And it had to be reinforced against the wind. We couldn't get enough diaphragm action out of the sandwich panels, so we had to add to the structure."

The team poured a new slab over the existing slab of the 32,000-square-foot building and built an addition to the back to connect the building to EJ Basler's existing production facility next door. It is also a metal building but on a different height, so the addition needed to be ramped to make the connection.

FIVE PREFAB BUILDINGS TO SHELTER THE HOMELESS IN L.A.

MINIMALIST DESIGN

FAST CONSTRUCTION



TELLURIDE ARCHITECTURAL STEEL

MODERN FARM STYLE BUILDINGS

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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

SINGLE COMPONENT:

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

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

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

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

DURABLE & ECONOMICAL:

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

TESTED & APPROVED:

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

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.

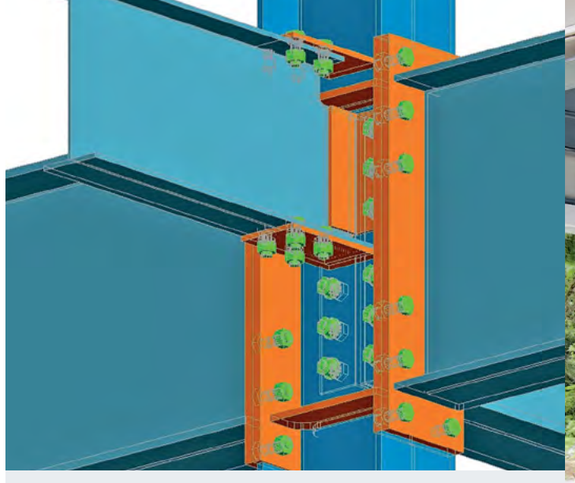
EcoSteel helps reduce costly mistakes by using BIM / Parametric Engineering Technology. We also eliminate subcontractors which means less people to manage and fewer mistakes. Our Panelized / Prefab construction utilizes an easy to assemble building system.

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.

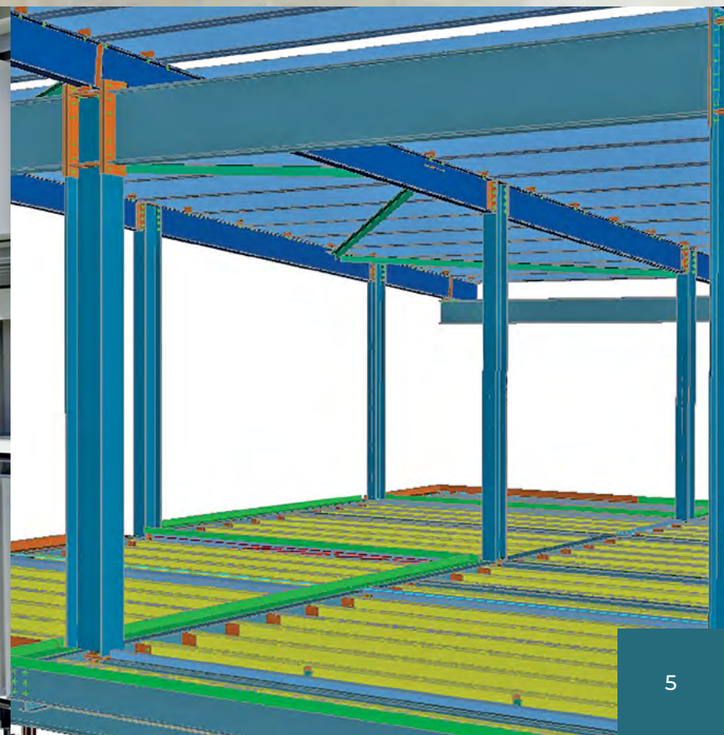
WHAT WE DO

EcoSteel's Team Designs, Engineers and Supplies a Pre-Engineered Building System with unlimited customization options. We use the latest in advanced BIM (Building Information Management) technology and 3D Engineering Software to ensure superior quality.

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



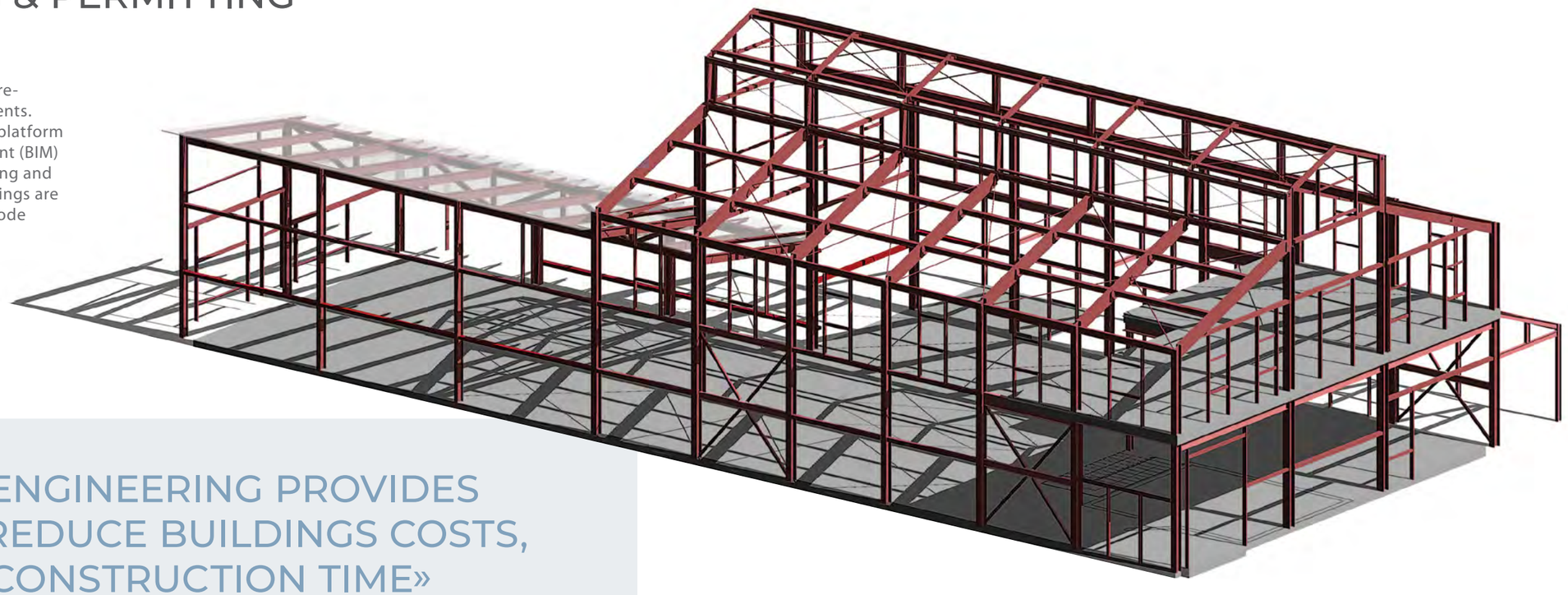
CLIENT & ARCHITECT DRIVEN DESIGN

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.

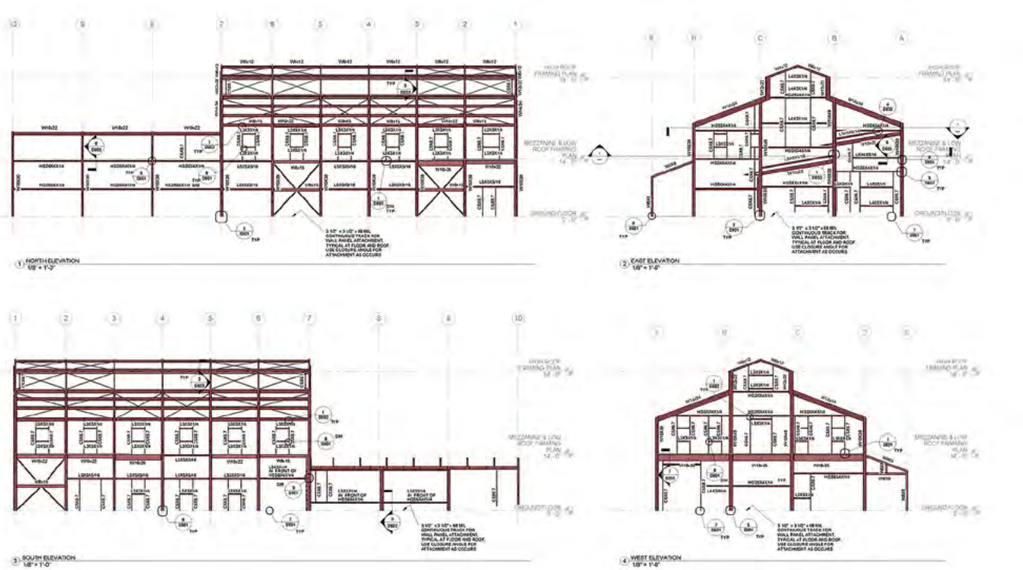
«WE CREATE AN ALL STEEL SYSTEM DESIGN TO REFLECT YOUR ARCHITECTURAL SET OF PLANS»

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

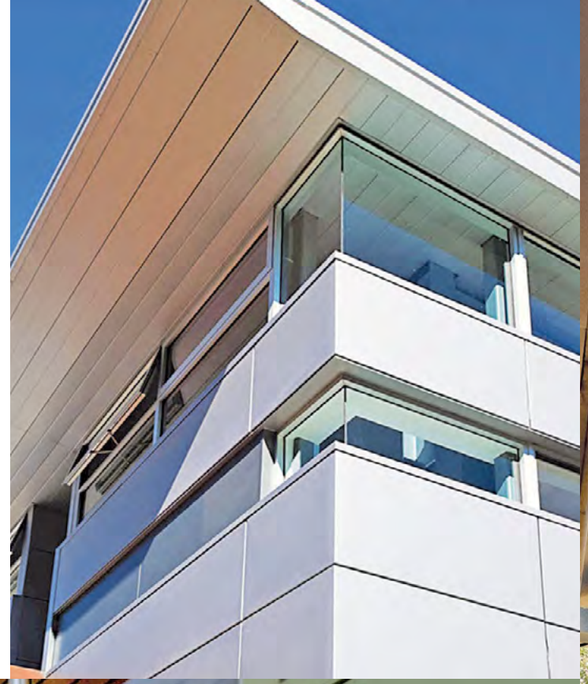
Our fabrication methods allow us the flexibility to fabricate and flat pack ship large complex structures directly to the jobsite. All parts and pieces are labeled and number in a detailed assembly manual that any certified steel erector can assemble with ease.

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 & 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.



RAINSCREEN / CLADDING

PREFAB COFFEE ROASTER & RETAIL

COMMERCIAL

RESIDENTIAL


9451


EDGE
TECHNOLOGIES

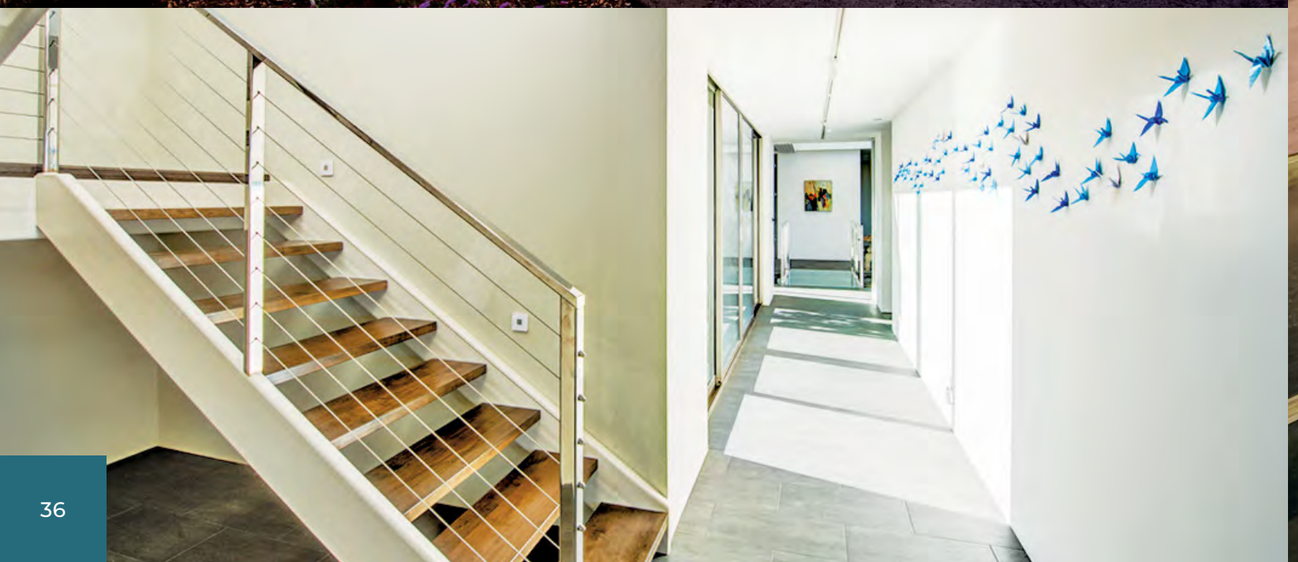
SAN FRANCISCO AWARD WINNING SHELTER SOLUTION

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.

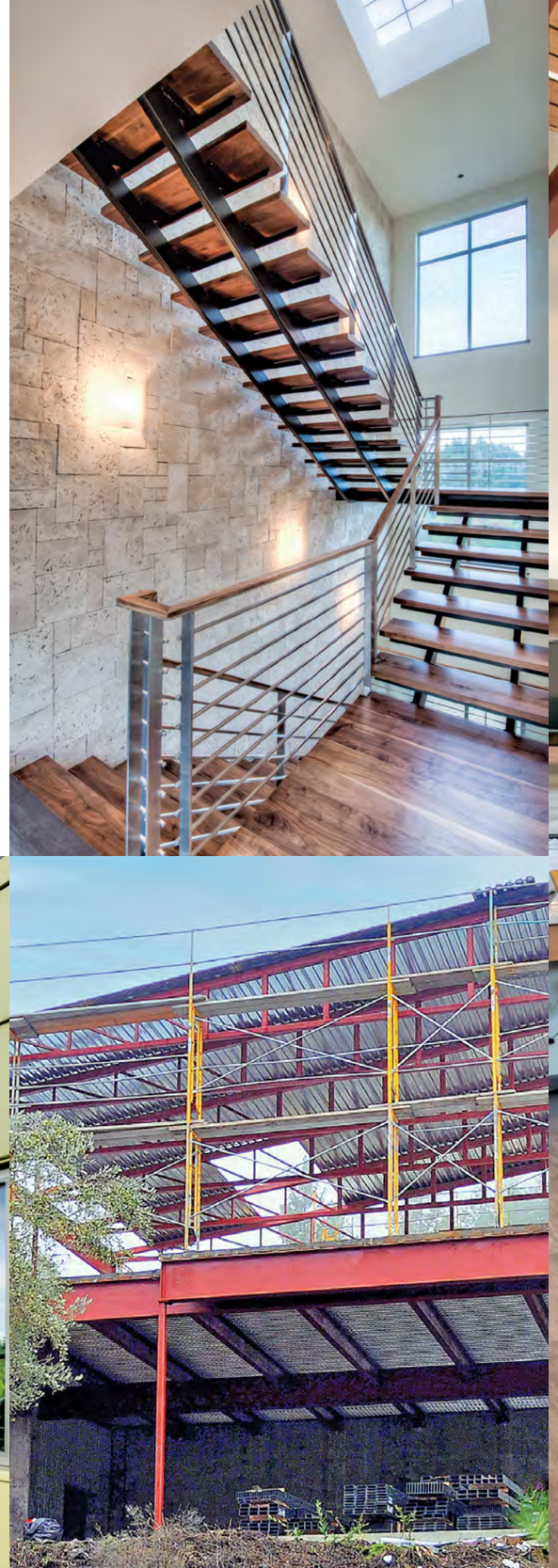
STRENGTH IS BEAUTY



DURABLE &
ENERGY EFFICIENT

NAPA VALLEY. MODERN STEEL & GLASS

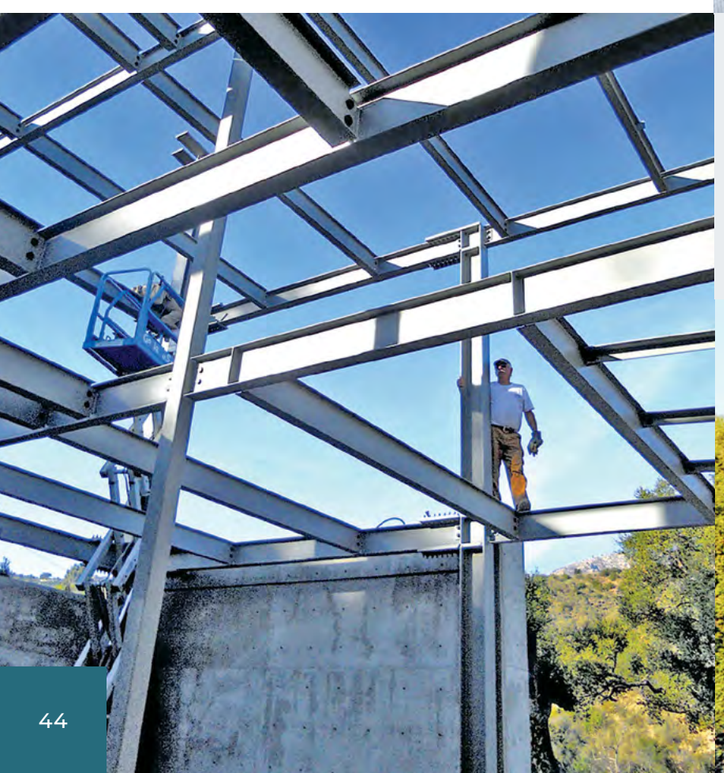
This 6,800 square foot custom residence is a testament to modern and contemporary architecture. Situated in the hills above Napa Valley, the owners demanded a thermally efficient, durable home that was also visually appealing. As Napa Valley strives toward progression and continually evolves new and 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

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.

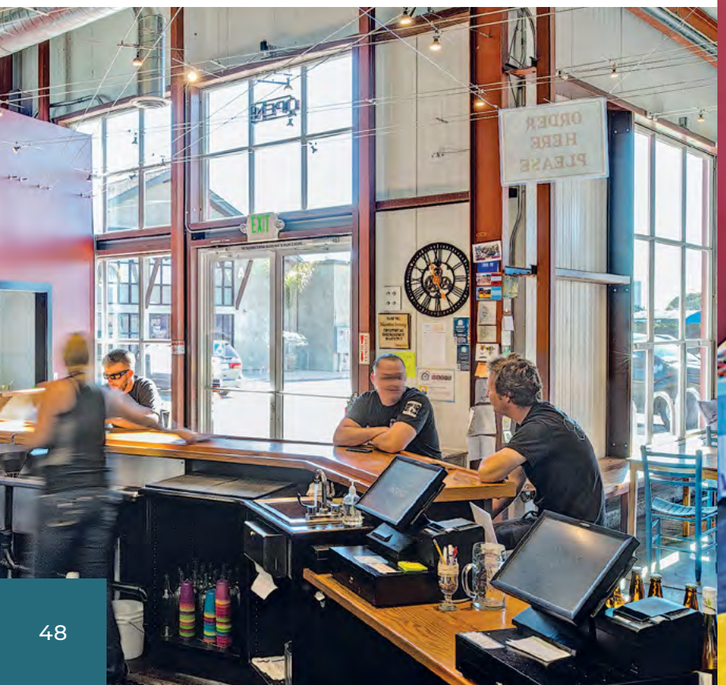


«WE PREFER
STEEL HUGGERS»

RETAIL & RESTAURANT

CALIFORNIA PREFAB BREWERY BUILDING

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.



PREFAB
WINERY BUILDING

NAPA WINERY & BARREL STORAGE

7,000 SF Cold Wine / Barrel Storage Project sets a new standard for old world design and latest Title 24 Compliant / energy efficient buildings. In this eco-friendly building, Fire Resistant Steel construction technology meets CalFire Wildland Urban Interface specs to eliminate combustible / traditional methods from new construction. Designed by architect partner Carlo Di Fede with Di Fede Design Group, this all steel pre-insulated wall panels are concealed with natural stone finishes. The Belmonte's will carry on the tradition of Family-owned and operated; with limited production and estate wines. They will produce approximately 3,500 cases of French-Bordeaux wines annually, sold direct to consumer and to their wine club. The new property will allow them to educate guests in the vineyards and share their passion for wine where it all begins.

COLD STORAGE

HURRICANE & 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).

STEEL & GLASS CONCEPTS
SEISMIC ZONES

BAY AREA LUXURY HOME

Sitting near a fault line, this custom all steel home is engineered for extreme seismic forces. The design incorporates EcoSteel's superior energy efficient roof and wall panels that will exceed Title 24 Code requirements. The owner specified a custom wrought iron metallic finish for the exterior wall panels. Premium door and window package by Fleetwood Glass, along with the roof top hand rails. This new Bay Area custom all steel home has many exciting features, including walls of glass with commanding views. With a roof deck, sliding sun shades and a living area that is just over 3,000SF.

STEEL & GLASS CONCEPTS
FLOOD ZONE

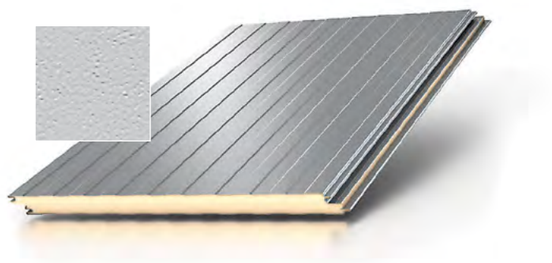
FIRE RESISTANT BUILDINGS

NATURAL DAYLIGHT / MANUFACTURING BUILDINGS

MIXED USE BUILDING/ HOUSTON

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.



FEATURES & BENEFITS

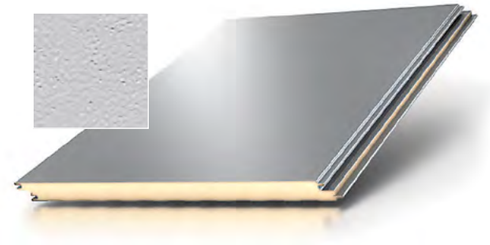
- Low-profile linear surfaces simplify flashing connections to help prevent vapor transmissions at critical areas of the building envelope
- The standard exterior metal surface is embossed 26ga G-90 galvanized steel with standard PVDF and SMP exterior coatings (other coatings may be available)

Standard thickness
2”, 2.5”, 3”, 4”, 5”, 6”

Standard width
40”

FLAT WALL PANEL

Our flat wall panels are produced with standard embossed facings and offer a perfect solution for designers seeking a high-end architectural 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

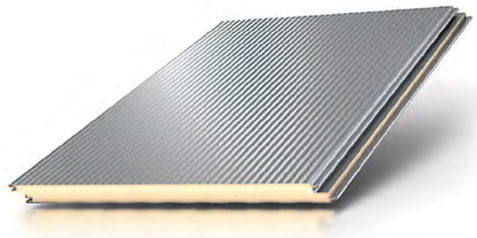
- The panel’s overlapping joint is self-aligning and allows for easy sealant application
- Exterior is 22ga embossed G-90 galvanized steel with standard PVDF and SMP coatings
- Arrives on site in one piece and requires a simple one-step installation reducing construction time and costs

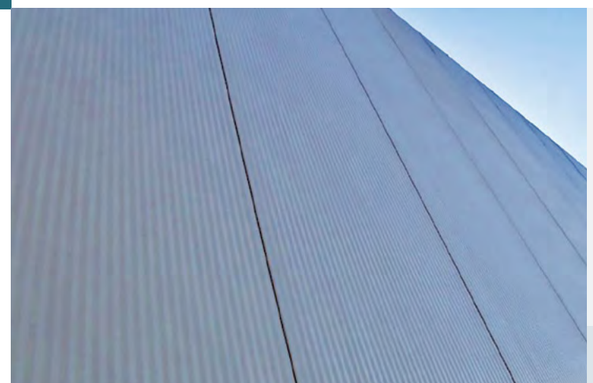
Standard thickness
2”, 2.5”, 3”

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

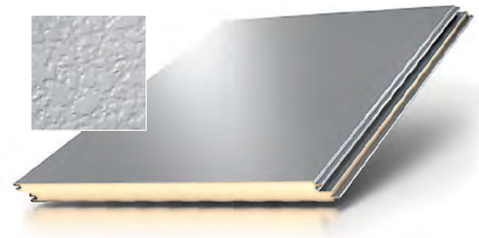
- The panel's overlapping joint is self-aligning and allows for easy sealant application
- Standard exterior metal surface is embossed 26ga G-90 galvanized steel with standard PVDF and SMP exterior coatings
- The standard interior metal surface is embossed 26ga Imperial White

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

Standard width
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

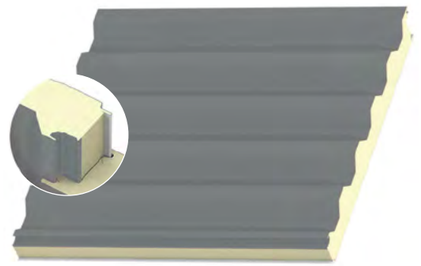
- May be installed with a pre-painted finish or field-sprayed with elastomeric coating (not by EcoSteel)
- The overlapping joint is self-aligning & allows for easy sealant application
- Exterior is 26ga G-90 galvanized steel with standard PVDF and SMP coatings

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

Standard width
40"

RIBBED

Our Ribbed insulated metal wall panel combines a traditional rib panel design with a polyurethane insulated core. With a bold, ribbed pattern, this panel creates a unique architectural image. The Ribbed panel can be installed both vertically and horizontally, allowing architects flexibility with design.



FEATURES & BENEFITS

- **Exterior Face:** G-90 galvanized or AZ-50 aluminum-zinc coated steel in 26, 24 or 22 Ga.
- **Interior Face:** G-90 galvanized or AZ-50 aluminum-zinc coated steel in 26, 24 or 22 Ga.
- **Joint:** Offset double tongue-and-groove with extended metal shelf for positive face fastening, through fastening required at panels ends
- **Testing & Certifications:** See Data Sheet

- Sweeping profile with unique shadow effects
- Utilizes concealed clips and eliminates thermal short circuits
- Easy and fast installation, with reduced construction labor costs
- Interior and exterior applications
- Can be used in conjunction with other EcoSteel joint profiles of the same thickness

Standard thickness
3”, 4”, 5”, 6”

Width
36”

Length (horizontal)
8’-0” to 32’-0”

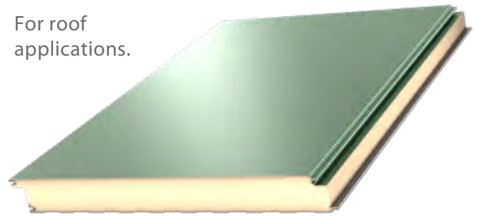
Length (vertical)
8’-0” to 40’-0”

Rib height
included in thickness

ROOF DECK

The roof deck panel combines into a single component steel deck, insulation, air / vapor barrier and substrate necessary for field application of a white, single-ply TPO or PVC membrane for low slope roofs.
The roof deck is high performance, sustainable and an economic alternative to field-assembled roof deck systems.

For roof applications.



FEATURES & BENEFITS

- Higher R-value per inch of insulation
- Superior resistance to transverse load
- Durable steel surface that supports foot traffic
- Steel facing is impermeable to air and water
- Will not absorb moisture during or after installation
- Diaphragm and non-diaphragm fastening patterns available

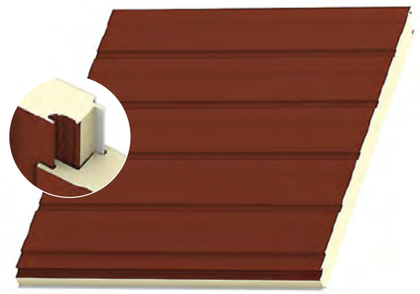
Standard thickness
2”, 2.5”, 4”, 5”, 6”

Standard width
40”

Length (vertical)
8’-0” to 50’-0”

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
2", 2½", 2¾", 3", 4", 5", 6"

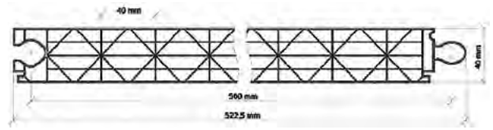
Width
42"

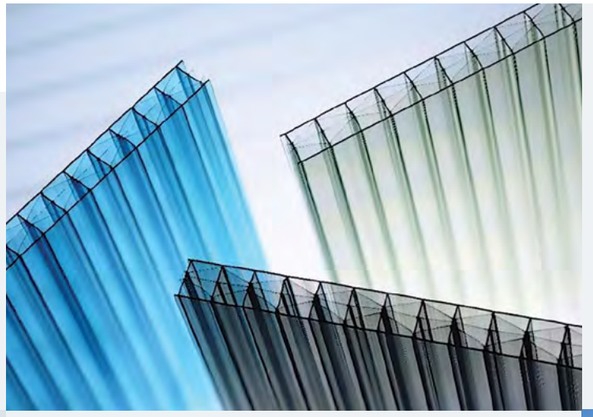
Length (horizontal)
8'-0" to 32'-0"

Length (vertical)
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 / CC1

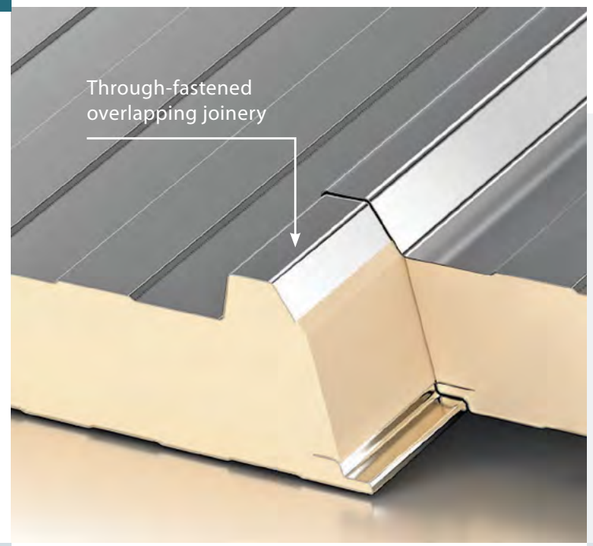
Span (ft)	5'-0"	5'-8"	6'-7"	7'-1"	8'-3"
Load (psf)	37.6	31.3	25	18.8	12.5

Note:
For optimum cost efficiencies, please design to 5' or 10' wall light heights (5' wall girt spacing)

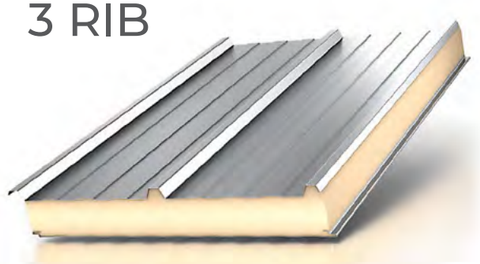
HIGH RIB

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.

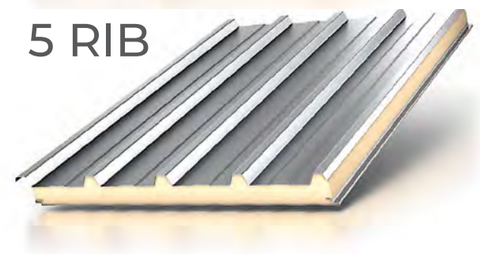
These panels install quickly and easily by through-fastening into the support members, allowing for long spans and/or severe load conditions.
A unique EPDM gasketed saddle washer at the standing ribs keeps fasteners out of shed water.



3 RIB



5 RIB



FEATURES & BENEFITS

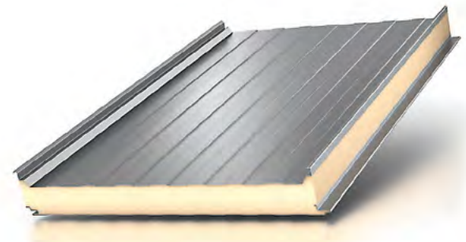
- The panel's overlapping joint is self-aligning and allows for easy sealant application at the panel joinery
- The standard exterior metal surface is smooth 26ga G-90 galvanized steel with standard PVDF and SMP exterior coatings
- The standard interior metal surface is embossed 26ga Imperial White
-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

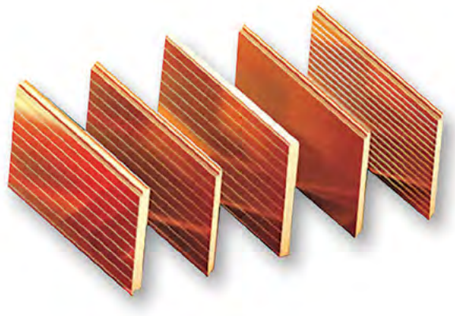
Standard width
40"

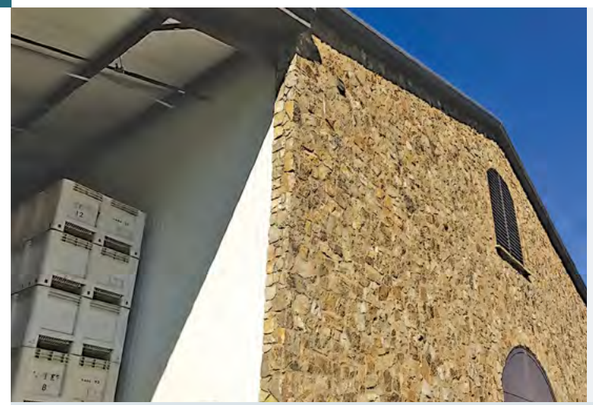
ROOF PANELS & DECKS

FIRE 1-HOUR RATED PANEL

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.

Available in all standard EcoSteel wall profiles.



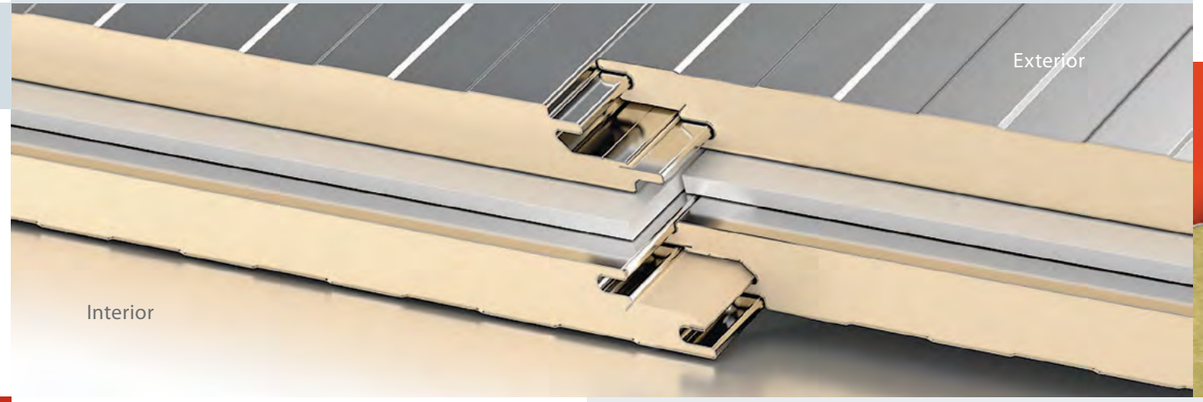


FEATURES & BENEFITS

- 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 grove 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



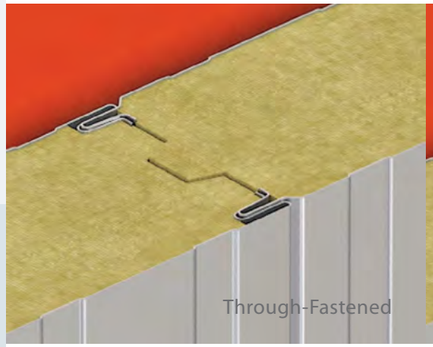
1-2-3 HOUR MINERAL FIBER PANELS

Panel Width: 42"
Panel Length: 6' to 40' maximum
Insulation Material: Mineral Wool
Joint Configuration: tongue and grove 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 fastenerclips, 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

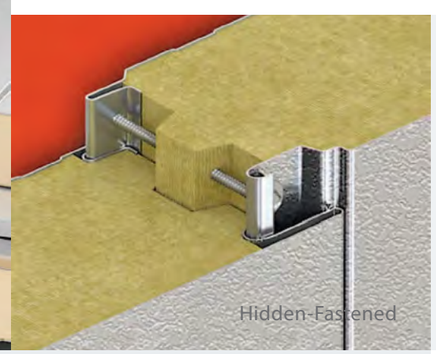
PLANKED MF FIRE PANEL



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



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 elastrometric coating
- The standard exterior metal surface is 24ga G-90 galvanized steel with standard PVDF and SMP exterior coatings (other coatings may be available)

STANDARD COLOR OPTIONS

EXTERIOR COLORS

REGAL WHITE

IMPERIAL WHITE

WARM WHITE

SANDSTONE

SURREY BEIGE

PEARL GRAY

SLATE GRAY

WEATHERED COPPER

COLONIAL RED

NATURAL GREEN

EVERGREEN

SLATE BLUE

ROYAL BLUE

INTERIOR COLORS

IMPERIAL WHITE

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.

COLORS & FINISHES

CUSTOM SOLID & METALLIC COLORS 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

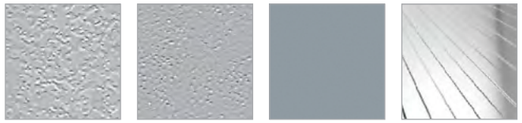
100 .7 MIL NOMINAL TOP COAT | .2 MIL NOMINAL PRIMER | SUBSTRATE
Durable Imperial White composite polyester resin is our standard interior coating that resists scratching, is easy to clean, and meets most application requirements.

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.

GREEN STANDARDS

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

* 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.

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

OUR ARCHITECT PARTNERS HAVE UNLIMITED FINISH OPTIONS