ECOSTEEL®

Integrated Green Building System

Partner Architect Program
















GAIN NEW CLIENTS AND ACHIEVE HIGHER LEED SCORES WITH ECOSTEEL.

EcoSteel Building Systems
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www.ecosteel.com

Become an EcoSteel Partner Architect

We're bringing EcoSteel® building systems to the world. And we can't do it alone. We're always looking for the best architects and designers of the modern pre-engineered and prefab movements. Our clients often come to us with project ideas or concepts and require assistance in turning their dreams into workable, detailed construction documents.

At EcoSteel, our primary focus is on steel system design and assembly. Our team is devoted to environmentally friendly and economical building methods. We provide building systems for the following applications:

COMMERCIAL	CUSTOM HOMES	MULTI-FAMILY
		

Partnering with EcoSteel will bring many of your clients the superior benefits of our building system, while easing the workload of your staff. We take care of a lot of the plan documentation, provide you with referrals, and ask very little in return. Requirements are simple and include allowing us to bid on your steel jobs and sharing links with us on the web.

Our pre-engineered, panelized steel systems are easily built by commercial contractors. All our steel components are pre-cut, pre-drilled and clearly labeled, virtually eliminating mistakes and confusion typically associated with traditional construction. In addition to the benefits of a pre-engineered building, you have full design flexibility to achieve the final look your clients want. We offer a fixed price material and labor estimate for the complete building shell (excluding exterior doors and windows).

Please review the following pages to see the available benefits and additional information about EcoSteel's focus and process.

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Benefits and Requirements

Marketing Benefits

- Recognition and links on EcoSteel's website with a trusted network of EcoSteel Certified Architects
- A stream of potential clients in need of design services
- Another way to differentiate your business from the competition
- Press releases and co-op marketing opportunities on all projects
- Added design flexibility with larger available spans with steel framing

Operational Benefits

- Direct input from your CAD files into Revit Structure and into our 3D parametric steel engineering and detailing programs
- EcoSteel provides CDs and detailing services so you can focus on new designs
- Automated Bill of Materials ensures accurate piece counts and part lengths
- Direct Output Erection Plans are produced for the onsite steel erectors
- Direct Output Fabrication drawings including CNC capabilities for automated production lines

Requirements

Our Partner Architects are truly concerned with the sustainability of Earth's natural resources and the impact of traditional construction methods on the environment.

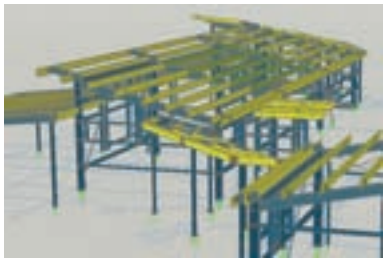
- Focus on sustainable buildings
- Use top tier CAD applications for detailed elevations and floor plans
- Provide EcoSteel with any custom details or sections
- Modern designs that easily convert to the EcoSteel Building System
- AIA Certification

The EcoSteel Building System

The EcoSteel building system uses the latest technology in design, engineering, and manufacturing. The three main components of our system include 3D modeling and detailing, pre-engineered steel frames, and insulated wall and roof panels for a building that is higher quality, builds faster, and is greener than any alternative.

3D Modeling, Detailing, and Engineering

We utilize the latest in BIM (Building Information Management) software and Parametric 3Dimensional Engineering Technology to design every aspect of a building virtually. This provides highest level of build quality and minimizes conflicts that are often identified during construction.



Steel Frame

All EcoSteel systems start with our pre-cut, pre-drilled I-Beam Steel Structure for rapid on-site assembly. The commercial grade steel frames offer superior strength which opens up interior volumes and enables creative, cutting-edge designs without the need for load-bearing interior walls.

Insulated Wall and Roof Panels

Our steel-paneled structures are suitable for even the most extreme climates. Our interlocking tongue-and-groove system strengthens energy efficiency and eliminates thermal gaps present in conventional construction. The insulated panel technology offers R-8 values per inch (up to R-48).

Learn More

You can visit our website at **www.ecosteel.com** for additional information about our building system or call us at 800.587.6604.

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The EcoSteel Process

● = Provided by EcoSteel ● = Provided by Others

1: DESIGN

It's just you, EcoSteel and your local architect. Together we create working drawings based on the foundation of your choice.

2: MATERIALS

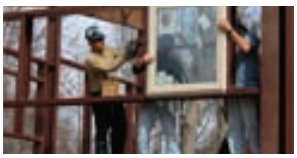
We confirm a date of foundation completion and order the appropriate EcoSteel materials.

3: STRUCTURE

We work with a netork of certified steel erectors that work closely with our project managers and general contractors to ensure quick and accurate assembly.

4: EXTERIOR DOORS AND WINDOWS

We install energy-efficient exterior doors and windows.



5: EXTERIOR WALLS AND ROOF

We complete your exterior shell by installing panelized, insulated walls and your roof.

6: INTERIOR WALL FRAMING, STAIRS AND RAILINGS

We frame all interior walls with light-gauge metal studs and install the interior stairs and railings, if applicable.

7: SHELL COMPLETION

We finish our work and all relevant inspections. You have a sealed, insulated, dried-in shell with a finished exterior. All interior walls are framed and accessible to sub-contractors. Your new building is structurally sound, weatherproof, lockable and secure.

8: FINISH WORK

Now you can arrange sub-contractors to finish the interior according to your style preferences.

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Green Building

To us, there is no greater purpose to building than to create a safe and healthy environment for the end users in a way that protects our ecosystem.

Responsible use of our natural resources is a key element in EcoSteel philosophy. The physical building components of our system are designed and manufactured in a way that will preserve raw materials, energy, and human health.

- 80% recycled steel frames
- Insulation rated from R-32 to R-48 in only 3 to 6 inches
- No adhesives, no harmful chemicals, no volatile organic compounds (VOCs)

When you're starting out with an 80% recycled frame and extreme energy efficiency, it's easy to design green. Our system alone can qualify your project for up to 16 LEED credit points. Beyond LEED certification, your client can experience direct real estate benefits, huge operational savings, and substantial productivity gains.

EcoSteel provides the perfect Green Building solution for projects that have integrated Wind or Solar energy applications.

With 13 Manufacturing points in the U.S., we minimize transportation fuel used. Local supply locations and recycled content receive added credit for projects that are seeking LEED certification.

EcoSteel is a member of the USGBC and is the leading force of prefabricated energy-efficient building technologies.

LEED Points

To better assist you in understanding our specific LEED related benefits and to clarify our commitment to green building, the following is a list of LEED points potentially impacted by using the EcoSteel system.

Sustainable Sites: 1 point

Heat Island Effect (Roof) (75%=1 point): Will use roofing materials having a Solar Reflectance Index (SRI) equal to or greater than an SRI of 78 for a minimum of 75% of the roof surface (EcoSteel Roof panels have a minimum of a 90 SRI)

Energy & Atmosphere: 10 points

Whole Building Energy Simulation (1-10 points): Demonstrate a percentage improvement in the proposed building performance rating compared to the baseline building performance rating per ASHRAE standard 90.1-2004. The minimum energy cost savings percentage for each point threshold is as follows: 10.5%=1 point, 14%=2, 17.5%=3, 21%=4, 24.5%=5, 28%=6, 31.5%=7, 35%=8, 38.5%=9, 42%=10. Utilizing EcoSteel insulated wall and roof panels can potentially allow for qualification of **all** 10 credits with insulating factors up to R-48.

Materials & Resources: 5 points

Recycled Content (10% = 1 point, 20% = 1 point): Use materials with recycled content such that the sum of post-consumer recycled content plus ½ of the preconsumer content constitutes at least 10% of the total value of the materials in the project. Utilizing a steel frame far exceeds the 20% value (76%) needed for this credit.

Regional Materials (10% manufactured regionally=1 point, 20%= 2 points): Using building materials that have been manufactured within 500 miles of the project site for a minimum of 10% (based on cost) of the total materials value. The primary steel framing provided by EcoSteel can be manufactured in 13 different locations to minimize shipping distances.

Total Possible: 16 points

The EcoSteel Advantage

There are many advantages that come from our proven process. Our steel building solutions provide faster erection times, greater environmental efficiency, increased durability, and offer more versatility for builders, architects and property owners. Our system is best seen as a hybrid between traditional construction, popular for it's versatility, and prefabricated construction, popular for it's speed and controlled environment. EcoSteel combines the best of both building models for a higher quality product that is universally applicable.

The table below illustrates some of the differences between EcoSteel, Pre Fab and Traditional Construction. There are many other items to consider, but here are some of the most important.

	ECOSTEEL	PRE FAB	TRADITIONAL
CONSTRUCTION TIME			
3D modeling to expose potential design problems	●	Maybe	Maybe
Integrated model for engineering and detailing	●	Maybe	
Factory finished materials	●	●	
Tight quality control measures	●	●	
Pre-manufactured parts for rapid assembly	●	●	
Fewer subcontractors	●	●	
STRENGTH AND DURABILITY			
Won't warp and crack over time	●		
Withstand high winds, earthquakes, and fire	●	●	
Materials that will not rot and harbor mold	●		
DESIGN FLEXIBILITY			
Minimal structural limitations	●		
Fully customizable	●		●
Allows large "Clear Span" spaces and cantilevers	●		Maybe
LOCATION			
Small staging area requirements	●		●
Suitable for remote locations with limited access	●		
Suitable for extreme climates	●		
Multiple manufacturing points	●	Maybe	
ECOLOGICAL EFFICIENCY			
High use of recycled materials	●	●	Maybe
Manufactured materials for minimal waste	●	●	
Up to R-48 insulation with NO thermal breaks	●		

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