

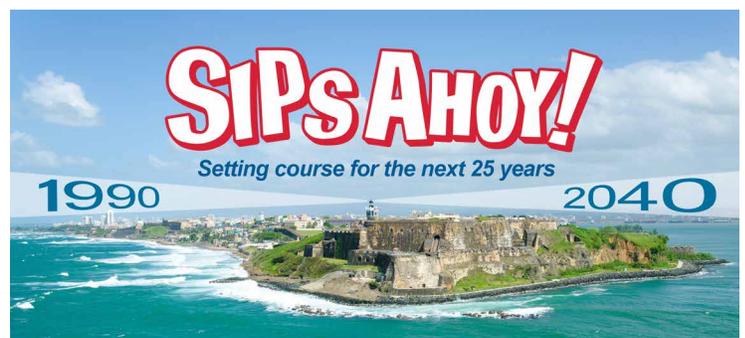
2016 SIPA Building Excellence Awards



Official Entry Form

APPLICATION DEADLINE: March 4, 2016

The Structural Insulated Panel Association (SIPA) is hosting the fourteenth annual Building Excellence Awards to recognize association members that build exemplary projects using structural insulated panels (SIPs). The competition allows SIPA members to showcase their best work while demonstrating the design flexibility, sustainability and energy efficiency possible with SIP construction.



**Structural Insulated
Panel Association**

Winning entries will be showcased at the 2016 SIPA Annual Meeting in Puerto Rico, April 4 - 6, 2016



Homes and commercial buildings completed between January 1, 2015 and December 31, 2015 are eligible.

Award Categories:

- Single Family Homes over 3,000 sq. ft.
- Single Family Homes under 3,000 sq. ft.
- Multifamily
- Agricultural
- Commercial/Industrial/Institutional Buildings under 10,000 sq. ft.
- Commercial/Industrial/Institutional Buildings over 10,000 sq. ft.
- Renovations (*residential or commercial, includes additions and retrofit insulated panels*)
- Affordable Housing (*excludes multifamily, home ownership cost must be at or below 30% of median income for location*)

Who is Eligible?

- The submitting company must be a current SIPA member in good standing
- Structural insulated panels must be used on a minimum of 50% of the building envelope, determined by square footage of exterior walls and roof
- The SIPs used on the project must be provided by a SIPA member manufacturer
- Installers, designers or other parties involved in the project who are not SIPA members will not be recognized in awards materials. However, builders or architects may apply for membership with their entry, but must be full members in good standing prior to the closing date for the entry to receive recognition.
- Project must be completed between January 1, 2015 and December 31, 2015

Winning Entries

- One winner will be chosen from each category. From the category winners, an Overall Competition Winner and a Runner-Up will be named.
- Judges may hand out Honorable Mentions at their discretion
- Winners will be recognized at the 2016 SIPA Annual Meeting & Conference in San Juan, Puerto Rico
- SIPA will promote the winning entries on the SIPA website and issue a press release to outside media

Guidelines

- Member companies may make multiple entries, but a separate entry form must be completed for each entry
- SIPA has the right to use the photos to promote SIPs to the construction industry. All entries will be displayed on the SIPA website.
- The deadline for entries is March 4, 2016. All entries must be received at the SIPA office on or before that date.

The following information and documentation is REQUIRED. Entries without the required items will not be considered.

- Completed and signed application
- A minimum of two photos showing different views of the completed project
- Photographs must be submitted in digital form and be at least 2400 x 3000 pixels, or 8" x 10" at 300 dpi
- Residential projects must have a HERS Index calculated by a RESNET certified home energy rater. Commercial projects must present other documentation of energy efficiency.

Additional documentation is not required but is highly recommended to give the judges a clear picture of the project's overall design, sustainability, systems integration, and energy efficiency.

- Additional photos showing the construction process and SIP installation
- Documentation of energy efficiency, such as a HERS report, blower door test results, utility bill data, or infrared thermography
- A thorough description of energy-efficient technologies other than SIPs, as well as other innovative or sustainable features
- Comments from the building owners regarding their satisfaction with the building
- A floor plan of the project. A single page line drawing no larger than 17" x 22" in size is sufficient. Please do not send full blueprints.



Judging Criteria

Each entry will be judged on the following criteria:

- Energy efficiency (quantified by HERS Index and other data)
- Design and structural engineering innovation
- Creative use of SIP construction
- Environmental sustainability



PARTICIPANT INFORMATION

Company Name: Enercept, Inc.
Contact Name: Charlie Ewalt, Roberta Bartel or Ron Gleysteen
Address: 3100 9th Ave SE
City: Watertown State: SD Zip: 57201
Phone: 605-882-2222
Email: enercept@enercept.com Website: www.enercept.com

CATEGORY ENTRY (check one category)

- | | |
|---|--|
| <input type="checkbox"/> Single Family Homes (over 3,000 sq. ft.) | <input checked="" type="checkbox"/> Commercial/Industrial/Institutional Buildings under 10,000 sq. ft. |
| <input type="checkbox"/> Single Family Homes (under 3,000 sq ft.) | <input type="checkbox"/> Commercial/Industrial/Institutional Buildings over 10,000 sq. ft. |
| <input type="checkbox"/> Multifamily | <input type="checkbox"/> Renovations |
| <input type="checkbox"/> Agricultural | <input type="checkbox"/> Affordable Housing |

PROJECT INFORMATION

Project Name: Blue Wave on the Bay
Address: 2521 Lake Shore Drive W
City: Ashland State: WI Zip: 54806
Date completed: 6/1/2015
Total cost of project (exclusive of land): \$2.5 million
Dimensions of building (all floors of multi-story building):
Irregular Shape 1st floor: 4,000 sq. ft.
Irregular Shape 2nd floor: 1,800 sq. ft.
Irregular Shape 3rd floor: 4,000 sq. ft.
Asking price/purchase price (Affordable Housing only): n/a
Total sq. ft. of conditioned space: 9,800 sq. ft.

BUILT BY (if different than applicant)

Company Name: C & S Design and Engineering
Contact Name: Brian Hagstrom or Steve Schraufnagel Phone: 715-682-0330
Address: 803 Lake Shore Drive West
City: Ashland State: WI Zip: 54806

PANELS MANUFACTURED BY (members only)

Company Name: Enercept, Inc.

Continued



DESIGNED BY (if different than applicant – SIPA will only recognize members)

Company Name: C & S Design and Engineering
Contact Name: Brian Hagstrom or Stephen Schraufnagel Phone: 715-682-0330
Address: 803 Lake Shore Drive West
City: Ashland State: WI Zip: 54806

Please answer each question with as much detail as possible to help in the judging process. Attach additional sheets if necessary.

Describe the end use of the building: Blue Wave is home to a Restaurant, Retail Sports Store, and Upscale five room Hotel.

How did SIP construction help you get this job? Builder/designer had good experiences with SIP construction in the past, so they encouraged the owner to utilize SIP construction for Blue Wave on the Bay. Blue Wave provided Hagstrom and Schraufnagel their first opportunity to have freedom to test the sculptural potential of a SIP construction.

SIP wall thickness and core material: 8" wall with EPS core

SIP roof thickness and core material: 14" roof with EPS core

Describe the benefits of using SIPs on this project. Did SIPs help save time, labor, construction costs, or energy?

Benefits of SIPs on this project:

*Superinsulation walls (8" thick) and roof (14" thick)

*The intricate design and components were worked through prior to construction. This made the assembly of the unique shapes easier for the construction team (than if it had been stick framed).

Describe any innovative design elements or structural engineering involved:

There was a combination of steel, heavy timber and SIP construction. The design/engineering company was able to take on an eclectic and experimental approach to the use of SIPs in conjunction with steel and wood. According to the builder, "The creative potential of SIPs becomes huge when you start thinking about how to hang them from the ceiling."

The architecturally unique building was designed to honor historical icons from the Ashland, WI and Chequamegon Bay areas. Blue Wave is designed to look like a ship.



Please list any certifications the project received, such as ENERGY STAR, LEED, National Green Building Standard, or local green building programs. Only list certifications that are completed:

Energy Star mechanical equipment

HERS Index (residential projects): n/a

Blower door test results (ACH50) (residential projects): n/a

Energy use intensity in kBtu/ft2 (commercial projects): 10 Btu/ft2

Describe the HVAC system used on the project:

High velocity air UNICO system: variable speed ECM blowers

15 SEER (seasonal Energy Star Rating) air conditioning units

Boilers have a 98% efficiency rating while coupled with UNICOS

Describe any other energy-saving materials used in the building envelope other than SIPs. List U-values of windows used and the R-value of any insulation materials.

Triple pane glass windows manufactured locally by H-Window Company in Ashland, WI

Please list any energy-efficient products or design features, such as lighting, hot water heating, appliances, passive solar:

100% LED lighting

Were any solar panels installed on the project? If so, indicate the size of the system: None at this time, may be added later.



Please list any sustainable materials or design features not listed above, such as recycled materials, low-VOC finishes, landscaping, etc.:

Exterior Insulation Finishing System (EIFS) combined with 8" SIP walls create a superinsulated building.

Any additional comments on the project:

Blue Wave is a highly visible building located on the shores of Lake Superior and is home to three unique businesses: The Blue Wave Inn, Blue Wave Coffeehouse and Eatery and Solstice Outdoors Sporting Store.

The building was constructed with 24,440 sq. ft. of SIP panels. A second, smaller storage building (Mini Blue Wave) was built in a similar design using 2,984 sq. ft. of panels.

Both of the buildings' exteriors are 100% SIPs.

CHECKLIST

- My company is a SIPA member. Panels for this project were manufactured by a SIPA member.
- I have answered ALL the questions completely
- I have enclosed the two required electronic images of the completed project meeting the requirements stated in the SIPA Building Excellence Awards guidelines
- I have indicated the HERS Index as determined by a RESNET certified home energy rater (residential projects)

PLEASE CONFIRM: I have read and understand the rules for this competition. This entry is structural insulated panel construction as defined in the SIPA Building Excellence Awards guidelines. I understand by making this submission that my pictures will be used by the Structural Insulated Panel Association (SIPA) to promote the use of structural insulated panels. I hereby give permission to SIPA to use the enclosed pictures for any use they see fit in that endeavor. I understand that where possible, SIPA will give credit for pictures used to my company as listed above.

Signature:

Date: 3/1/16

Entries that do not contain all required materials or are received after **March 4, 2016** will not be considered

Complete application and submit electronically to maryjane@sips.org

Or send hard copy applications to SIPA office: P.O. Box 39848, Fort Lauderdale, FL 33339