

2019 SIPA Building Excellence Awards



Official Entry Form

APPLICATION DEADLINE: January 11, 2019

The Structural Insulated Panel Association (SIPA) is hosting the seventeenth 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**

**SelectSIPs
EXPO**  **2019**
A Better Way to Build

MARCH 4 - 6 / PHOENIX, ARIZONA

Winning entries will be showcased at the 2019 SIPA Annual Meeting and SelectSIPs EXPO.



Homes and commercial buildings completed between January 1, 2018 and December 31, 2018 are eligible.

Award Categories:

- High Performance (*any size or use category - judged only on special High Performance features or certifications*)
- Single Family 'Small House' under 900 sq. ft.
- 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, 2018 and December 31, 2018

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 2019 SIPA SelectSIPs EXPO (Annual Meeting) in Phoenix, Arizona, March 4-6, 2019.
- 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 (except for same project also submitted to High Performance category)
- 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 January 11, 2019. 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 are encouraged to have a HERS Index calculated by a RESNET certified home energy rater. High Performance category projects must present a HERS Index with blower door data. Commercial High Performance projects must provide 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:

- Design and structural engineering innovation
- Creative use of SIP construction
- Environmental sustainability

New High Performance Category criteria:

- Projects can compete both here and in specific building type category
- Only features pertaining to eco-efficiency, health, resilience, and renewable energy are considered here
- Energy efficiency (quantified by HERS Index, blower door and other data)



PARTICIPANT INFORMATION

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

CATEGORY ENTRY (check one category)

- | | |
|---|---|
| <input type="checkbox"/> Single Family 'Small House' under 900 sq. ft. | <input type="checkbox"/> Commercial/Industrial/Institutional Buildings under 10,000 sq. ft. |
| <input type="checkbox"/> Single Family Homes over 3,000 sq. ft. | <input type="checkbox"/> Commercial/Industrial/Institutional Buildings over 10,000 sq. ft. |
| <input checked="" type="checkbox"/> Single Family Homes under 3,000 sq. ft. | <input type="checkbox"/> Renovations |
| <input type="checkbox"/> Multifamily | <input type="checkbox"/> Affordable Housing |
| <input type="checkbox"/> Agricultural | <input checked="" type="checkbox"/> High Performance (multiple category entry permitted) |

PROJECT INFORMATION

Project Name: Leu Spec Residence
Address: 0275 N 020W
City: La Grange State: IN Zip: 46761
Date completed: November 2018

Total cost of project (exclusive of land): \$240,000

Dimensions of building (all floors of multi-story building):
31'6" x 44'10" main and basement levels

Asking price/purchase price (Affordable Housing only):
n/a

Total sq. ft. of conditioned space:
2,828 sq. ft.

BUILT BY (if different than applicant)

Company Name: JLCS Property Management LLC
Contact Name: Jeff Leu Phone: 260-585-0156
Address: 7540 N 250 E
City: Howe State: IN Zip: 46746

PANELS MANUFACTURED BY (SIPA members only)

Company Name: Enercept

Continued



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

Company Name: JLCS Property Management LLC
Contact Name: Jeff Leu Phone: 260-585-0156
Address: 7540 N 250 E
City: Howe State: IN Zip: 46746

**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:

This single family residence will be an energy-efficient home for some lucky family.

How did SIP construction help you get this job?

Jeff Leu reached out to Enercept in the fall of 2017 while researching energy-efficient building options for an 80-acre subdivision in LaGrange. He was familiar with energy savings of SIP construction and wanted to introduce the community to a more energy-efficient and better way to build homes. Once he learned of all the other benefits of building with SIPs, he was sold.

SIP wall thickness and core material: 6" walls with EPS solid core insulation

SIP roof thickness and core material: 10" roof with EPS solid core insulation

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

According to Jeff, "The SIPs saved time and labor in the construction process. They are also more energy-efficient." He also noted that the overall material costs were a little higher, but the payback is worth it.

Describe any innovative design elements or structural engineering involved:

This home was simply designed to serve as an ideal entry-level or retirement home. It features two bedrooms and two baths, and is built over a full basement for future growth.



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

This home meets or exceeds the criteria of the International Energy Conservation Code.

HERS Index (required only for High Performance Category and recommended for residential projects):

The HERS Index Score for this home is 51.

Blower door test results (ACH50) (required only for High Performance Category and recommended for residential projects):

House Tightness: 545 CFM50 (1.03 ACH50)

Energy use intensity in kBtu/ft² (required only for High Performance Category and recommended for commercial projects):

65.4 mBtu annually, 2,828 sq. ft. = 23.13 kBtu/ft²

Describe the HVAC system used on the project:

A forced air, natural gas furnace - 96 AFUE
Electric air conditioner - 13 SEER
Ventilation system - 65.0 CFM - 9.8 Watts

Describe any other energy-saving materials used in the building envelope other than SIPs. List U-values of windows used and the U or R-value of any insulation materials. (judged only for High Performance Category)

The windows have a U-value of 0.3, SHGC .21
The concrete foundation walls have an R-value of 22

Please list any energy-efficient products or design features, such as lighting, hot water heating, appliances, passive solar (judged only for High Performance Category):

The home is 100% LED lighting. Energy-efficient electric water heater - 0.92 Energy Factor

Were any solar panels installed on the project? If so, indicate the size of the system (judged only for High Performance Category):

No

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Please list any sustainable materials or design features not listed above, such as recycled materials, low-VOC finishes, landscaping, etc. (judged only for High Performance Category):

n/a

Any additional comments on the project:

Jeff was very happy with the construction process and thrilled by the HERS results. He plans to continue educating the community about the benefits of building more efficiently. Plans are underway to construct a Triplex with Enercept SIPs this summer.

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

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: 1-16-2019

Entries that do not contain all required materials or are received after **January 11, 2019** will not be considered

Complete application and submit electronically to info@sips.org

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

