

# 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 Neal Mack

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 checked="" type="checkbox"/> Commercial/Industrial/Institutional Buildings over 10,000 sq. ft. |
| <input 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 type="checkbox"/> High Performance (multiple category entry permitted)                         |

## PROJECT INFORMATION

Project Name: Trav's Outfitter

Address: 2610 9th Ave NE

City: Watertown State: SD Zip: 57201

Date completed: July 2018

Total cost of project (exclusive of land): \$2,500,000

Dimensions of building (all floors of multi-story building):

Overall exterior 136' x 224'

Asking price/purchase price (Affordable Housing only):

n/a

Total sq. ft. of conditioned space:

28,000 sq. ft.

## BUILT BY (if different than applicant)

Company Name: The owner was the G.C. / SIPs were installed by Crestone Builders (Eric Skott)

Contact Name: Travis Uthe Phone: 605-882-1739

Address: 2610 9th Ave NE

City: Watertown State: SD Zip: 57201

## PANELS MANUFACTURED BY (SIPA members only)

Company Name: Enercept

**Continued**



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

Company Name: RS Architects

Contact Name: Justin Olson Phone: 605-336-6891

Address: 2307 W 57th St

City: Watertown State: SD Zip: 57108

**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:

Trav's Outfitter is a large retail building. They sell all types of work, western, outdoor, and biker clothing and footwear.

How did SIP construction help you get this job?

Travis has calculated the potential energy costs for a building of this size and knew that he wanted to build an energy-efficient store. He also wanted a building that was structurally sound and would stand the test of time. SIPs fit the bill.

Travis wanted to use local businesses for materials and was familiar with Enercept SIPs. So, he was aware of the benefits of SIP Construction such as the speed of construction, the energy savings, and the ability to shut out exterior noise.

SIP wall thickness and core material: 6" walls with an EPS insulating core

SIP roof thickness and core material: 10" roof with and EPS insulating core

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

Mr. Uthe acted as his own G.C. for the \$2.5 million dollar building, while continuing to operate and run his business. By using SIPs he was able to stay \$100,000 under budget and finished 30 days ahead of schedule.

Describe any innovative design elements or structural engineering involved:

Engineering Technical Services designed glu-lam columns to be installed into the panels 8' on-center for additional transverse and axial strength, eliminating any factory or job site waste.

Over 260 jumbo panels were used for this project.

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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:

n/a

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

n/a

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

n/a

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Energy use intensity in kBtu/ft<sup>2</sup> (required only for High Performance Category and recommended for commercial projects):

n/a

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Describe the HVAC system used on the project:

The building is heated with an energy efficient Natural Gas, forced air system.

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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)

Insulated, tinted, Low-E glass windows and doors were installed at all exterior locations.  
12' x 14' x 2" thick insulated overhead doors were installed in the storage/garage area of the store.  
Ten windows on the south side of the building provide natural light to the sales floor.

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

LED lighting was installed throughout the store.

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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):*

In this rustic, retail setting, the interior OSB skin of the SIP became the finished surface. It was painted to match the interior design. By utilizing this method of finishing, the owner was able to save thousands of dollars in additional building products (such as drywall), and labor, thereby reducing the building's overall carbon footprint, while still meeting code requirements, because of the sprinkler system.

Any additional comments on the project:

Trav's Outfitter was a truly a 'grass roots' project as we took it from a concept in the owner's head to a finished building that serves as a retail store and a destination visited and shopped by thousands of people. This collaboration allowed a business to expand from a 3,000 sq. ft. building into a 28,000 sq. ft. building in a superior, highly visible retail location.

It is a total SIP design that features exposed SIP panels on both the walls and ceiling, with corrugated steel accents, and clear coated Southern Yellow Pine Post and Beam system. The floor and countertops are polished concrete.

Because of the efficiency of this building, the original cooling system needed to be downsized shortly after it was installed.

### 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: 1-11-2019

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](mailto:info@sips.org)

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



**Structural Insulated  
Panel Association**

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