

# 2018 SIPA Building Excellence Awards



***Official Entry Form***

***APPLICATION DEADLINE: January 10, 2018***

The Structural Insulated Panel Association (SIPA) is hosting the sixteenth 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. Two new award categories have been added this year!



*Winning entries will be showcased at the 2018 SIPA Annual Meeting.*



**Homes and commercial buildings completed between January 1, 2017 and December 31, 2017 are eligible.**

### **Award Categories:**

- High Performance (*any size or use category - judged only on special High Performance features or certifications - new in 2018*)
- Single Family 'Small House' under 900 sq. ft. (*new in 2018*)
- 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, 2017 and December 31, 2017

### **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 2018 SIPA Annual Meeting & Conference in Jacksonville, Florida
- 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 10, 2018. 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, Inc  
Contact Name: Charlie Ewalt, Roberta Bartel or Tony Leddy  
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 '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 type="checkbox"/> High Performance (multiple category entry permitted)               |

**PROJECT INFORMATION**

Project Name: Chapman's In-Build  
Address: 325 N Broadway  
City: Edmond State: OK Zip: 73003  
Date completed: Spring 2017  
Total cost of project (exclusive of land): \$650,000

Dimensions of building (all floors of multi-story building):  
Main and 2nd Levels: 23' x 46'; 3rd Level: 18' x 18'  
Garage Apartment: 25' x 31'

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

Total sq. ft. of conditioned space:  
2400 sq. ft. plus 800 sq. ft. garage apartment

**BUILT BY** (if different than applicant)

Company Name: TL Construction of Oklahoma, LLC  
Contact Name: Dan or Tony Leddy Phone: 316-990-5168  
Address: PO Box 1537  
City: Edmond State: OK Zip: 73034

**PANELS MANUFACTURED BY** (SIPA members only)

Company Name: Enercept, Inc.

**Continued**



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

Company Name: Matthew McLarty

Contact Name: Matthew McLarty Phone: 405-443-6191

Address: 6303 Waterford Blvd; Ste 240

City: Edmond State: OK Zip: 73

**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:

The Chapman In-Build is a primary residence for Dr. David Chapman and his wife, Julie. They also rent the apartment above the garage, short term, to people visiting Edmond through Airbnb.

How did SIP construction help you get this job?

The property is located approximately 500' from a train track, so they were looking for an insulating system that would also act as a noise damper. Mr. Chapman is also very interested in sustainable city planning and building homes that are environmentally friendly. He liked the fact that there would be less waste building with SIPs and that his home would be more energy efficient.

SIP wall thickness and core material: 6" and 8" EPS foam walls

SIP roof thickness and core material: 8" EPS foam roof

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

The physical design of this structure lended itself well to SIP construction. The roof/3rd story deck worked perfectly with SIPs because of the superior strength of the panels.

Describe any innovative design elements or structural engineering involved:

The home's tall narrow design and red brick exterior help the modern appearance of the home to blend in well with Edmond's historic downtown.

# SIPA Building Excellence Application (Page 3 of 4)



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

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

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

Describe the HVAC system used on the project:

The home is heated and cooled with a 4-ton electric conventional forced air furnace/air conditioner; a fresh air return was also installed.  
Ceiling fans were installed in every room.

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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)

n/a

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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):

n/a

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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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**Continued**



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

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Any additional comments on the project:

The walkways were made with locally harvested crushed granite that allows rain water to drain naturally into the ground rather than running off through the city drainage system. Rain containers have been purchased and will be installed to capture and reuse rain water.

The home was featured in an article published in September 2017 in the *Edmond Outlook*. The article, titled "Urban Aspiration" is about downtown revitalization and urban sustainability. Dr. Chapman has been lecturing and studying New Urbanism for several years and said it was "time to close the gap between his walk and talk" and move from their suburban home into the urban area. (<http://www.outlookoklahoma.com/archives/m.blog/27/urban-aspiration>)

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## 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: 1/17/2018

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Entries that do not contain all required materials or are received after **January 10, 2018** 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

