

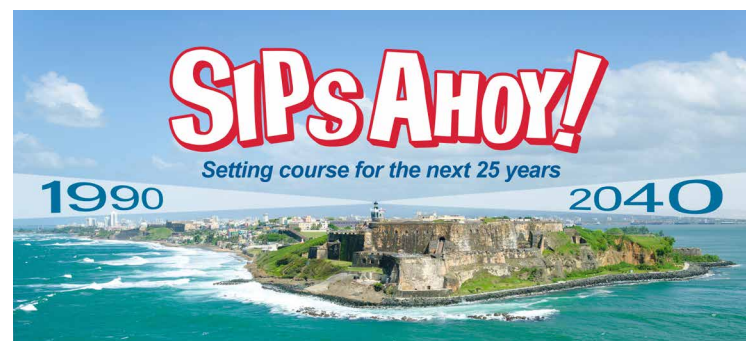
# 2016 SIPA Building Excellence Awards



***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.



*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 Don Kaarre

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 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 checked="" type="checkbox"/> Multifamily                   | <input type="checkbox"/> Renovations  |
| <input type="checkbox"/> Agricultural                             | <input type="checkbox"/> Affordable Housing   |

**PROJECT INFORMATION**

Project Name: Lake Area Suites

Address: 312 11th Street NE

City: Watertown State: SD Zip: 57201

Date completed: August 2015

Total cost of project (exclusive of land): \$3,000,000

Dimensions of building (all floors of multi-story building):  
1st floor 68 x 80 (x2) plus 30 x 37 center common area  
2nd floor 68 x 80 (x2) plus 30 x 37 center common area  
3rd floor 68 x 80 (x2)

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

Total sq. ft. of conditioned space: 34,860

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

Company Name: Heilman Homes and Construction

Contact Name: Dale Heilman Phone: 605-868-1410

Address: 2307 S Serenity Drive

City: Watertown State: SD Zip: 57201

**PANELS MANUFACTURED BY** (members only)

Company Name: Enercept, Inc.

**Continued**

# SIPA Building Excellence Application (Page 2 of 4)



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

Company Name: DesignArc - Design Firm

Contact Name: Les Rowland Phone: 605-692-4008

Address: 408 4th Street

City: Brookings State: SD Zip: 57006

**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: 24-unit, upscale student housing; each unit has two or four bedrooms  
1 1/2 baths, full kitchen and open living area.

How did SIP construction help you get this job?  
Owner wanted to use SIP construction for the speed of construction and energy savings; they  
also wanted to work with a local business.

SIP wall thickness and core material: 6" walls with EPS core; 16,558 sq. ft. of SIPs, representing 58% of the envelope.

SIP roof thickness and core material: n/a

Describe the benefits of using SIPs on this project. Did SIPs help save time, labor, construction costs, or energy?  
The heating costs for November 2015-January 2016 were less than half of the amounts budgeted:  
Natural gas cost for Nov.-Dec. was \$718.00 (\$30.00 per apartment); the cost for Dec.-Jan. was  
\$875.00 (\$36.46 per apartment).

Describe any innovative design elements or structural engineering involved:  
Project has heated underground parking (concrete); there are two building sections connected with  
a day room/common area and laundry on 1st & 2nd floors. There is also an office on the first floor.  
There are 24 separate apartment units; each unit has two or four bedrooms.  
There are Hydroponic heated floors on all three levels of the apartment building.

# SIPA Building Excellence Application (Page 3 of 4)



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:

Meets 2012 International Energy Conservation Code

HERS Index (residential projects): 38

Blower door test results (ACH50) (residential projects): 1.43 ACH 50

Energy use intensity in kBtu/ft2 (commercial projects): n/a

Describe the HVAC system used on the project:

Heating: In-floor, Natural Gas, Fuel-fired hydronic distribution, 100.0 kBtuh, 98.0 AFUE with programmable thermostat.

Cooling: 12.0 kBtuh, 16.0 Seer with programmable thermostat.

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.

Andersen Low E, .28 U-value windows SHGC .23

Therma Tru Fire Door U-value 0.280

Attic has blown-in fiberglass insulation

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

Integrated, natural gas .98 EF 80 gallon water heaters

LED lighting throughout

Energy Star rated appliances in all apartments

Were any solar panels installed on the project? If so, indicate the size of the system: No

Continued



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

Landscaping consists of decorative rock and wild grasses that require little to no watering or maintenance.

Any additional comments on the project: Lake Area Suites was constructed in response to the growing demand for student housing in Watertown, SD. The spacious apartments provide an unhampered alternative to the close-quarters associated with traditional student housing. The apartment complex is within walking distance to Lake Area Technical School.

**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: 3-1-2016

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](mailto:maryjane@sips.org)

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