

2016 SIPA Building Excellence Awards



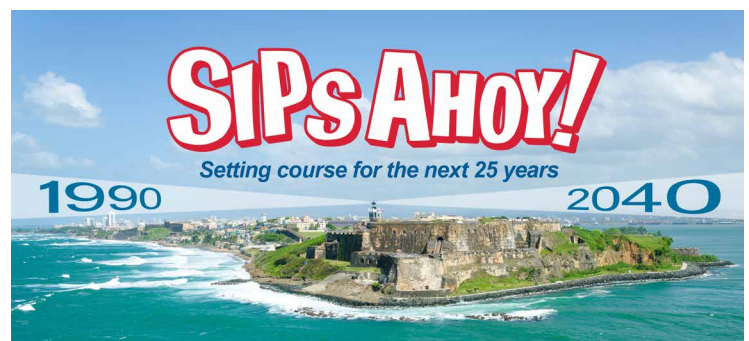
Official Entry Form

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 Jon Wagar
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 checked="" 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: United Printing, Inc.
Address: 300 S 1st St.
City: Bismarck State: ND Zip: 58504
Date completed: July 2015
Total cost of project (exclusive of land): \$2,400,000
Dimensions of building (all floors of multi-story building): Approximately 66' x 268'

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

Total sq. ft. of conditioned space: 19,680

BUILT BY (if different than applicant)

Company Name: Nelson Builders
Contact Name: David Nelson Phone: 701-391-3890
Address: 1205 Voyager Drive
City: Bismarck State: ND Zip: 58504-8842

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: Enercept, Inc.
Contact Name: Gale Oldre Phone: 605-882-2222
Address: 3100 9th Ave SE
City: Watertown State: SD Zip: 57201

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 new United Printing Building is headquarters for a large custom printing company. The front end of the building (60' x 60' x 20') is a two story office, administrative and reception area with mezzanine. The rear of the building (66' x 208' x 16') is the Company's production space that is equipped with the latest, state of the art printing equipment.

How did SIP construction help you get this job? The general contractor on this project is a long-time SIP user who is an avid promoter of SIPs. The building owner is a seasoned builder, developer and business owner with an appreciation for quality and value. Once presented with the SIPs concept, he was interested in nothing else. Energy efficiency was key, but strength, ease and speed of construction along with noise attenuation were significant factors, as well.

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

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

Describe the benefits of using SIPs on this project. Did SIPs help save time, labor, construction costs, or energy? SIPs were used for 100% of the building envelope. The project were put together in record time (10 months from panel delivery to turn-key)! The time saved meant lower labor costs and got the building enclosed in time to begin interior work by winter (panels were delivered in late September 2014). During construction over a North Dakota winter, the building was heated to shirt-sleeve temperatures with a used 155 BTU residential forced-air furnace.

Describe any innovative design elements or structural engineering involved: The entire building (walls and roof) is constructed of SIPs with mono-truss wood trusses, providing clearspan structure over the entire interior.

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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:

HERS Index (residential projects): n/a

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

Energy use intensity in kBtu/ft² (commercial projects): not available

Describe the HVAC system used on the project: High-efficiency, roof mounted, natural gas furnaces and electric air conditioning units.

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.

All seams and truss-ends were sealed with polyurethane spray foam. Windows are all high-efficiency, fixed from Fargo Glass Commercial Glazing.

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

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.:

Siding is a combination of EPHUS "stucco" and Nichiha "brick" panels.

All landscaping was done with locally sourced stone and native trees and shrubbery.

Any additional comments on the project:

United Printing is a well-established, respected company in the Bismarck-Mandan area. They have been in business for over 50 years. The construction of this new facility demonstrates their vision to expand their market using innovative technology not only in their equipment, but also in the sustainable building materials that they chose.

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: _____

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



**Structural Insulated
Panel Association**