

2015 SIPA Building Excellence Awards



Official Entry Form

APPLICATION DEADLINE: *March 13, 2015*

The Structural Insulated Panel Association (SIPA) is hosting the thirteenth 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 2015 SIPA Annual Meeting in Tucson, March 30 - April 1, 2015



Homes and commercial buildings completed between January 1, 2014 and December 31, 2014 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, 2014 and December 31, 2014

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 2015 SIPA Annual Meeting & Conference in Tucson, Arizona
- 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 13, 2015. 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



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PARTICIPANT INFORMATION

Company Name: Enercept, Inc.
Contact Name: Charlie Ewalt
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: Moffat Products
Address: 222 Cessna Str
City: Watertown State: SD Zip: 57201
Date completed: December 2014
Total cost of project (exclusive of land): \$1,060,000 for new addition in 2014
Dimensions of building (all floors of multi-story building): Original Building: 100'x120'; 2014 addition 100'x120'

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

Total sq. ft. of conditioned space: 24,000 sq. ft. with 16' sidewalls

BUILT BY (if different than applicant)

Company Name: Fiegen Construction
Contact Name: John Schaefer Phone: 605-335-6000
Address: 3712 Western Ave; Suite 200
City: Sioux Falls State: SD Zip: 57105

PANELS MANUFACTURED BY (members only)

Company Name: Enercept, Inc.

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

Company Name: owner

Contact Name: _____

Phone: _____

Address: _____

City: _____

State: _____

Zip: _____

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: Light Industrial Building used for manufacture of lighting products. Building includes office area, meeting rooms, manufacturing and storage.

How did SIP construction help you get this job? Repeat customer. Dave Moffat (owner) built their original building with Enercept SIPs (walls and roof) in 1987. Their building has performed so well, that they came back to Enercept when planning their 12,000 sq. ft. addition.

SIP wall thickness and core material: 2014 addition: 8 1/8" walls with 7 1/4" EPS core; original building: 5 1/2 " EPS core

SIP roof thickness and core material: Did not use SIPs on addition (metal deck w/2 layers 2 1/2 " Polyiso; original: 7 1/4" EPS

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

Primary benefit is perceived to be the energy savings the building will provide. Average monthly utility bill for existing building, 100'x120' with 16' sidewalls, has been \$980. This equates to an energy cost of a half penny per cubic foot of area per month. This energy cost not only heats and cools the entire building, it also covers all their electrical needs to run the office and manufacturing areas. Preliminary data for new addition indicates energy usage will be similar.

Describe any innovative design elements or structural engineering involved: n/a

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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:

None

HERS Index (residential projects): n/a

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

Energy use intensity in kBtu/ft² (commercial projects): Refer to comment on previous page regarding utility cost

Describe the HVAC system used on the project: New addition: 20T Air Conditioner; 240,000 btu Natural Gas Forced Air

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.

Large windows were included as part of building envelope on all three sides of the addition to provide natural light in all areas.

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

LED Lighting installed in new addition to lower energy consumption. Occupancy sensors were included in the lighting zones to turn lights on and off as needed. Lighting system also includes daylight harvesting sensors which will dim LED when adequate natural light is provided through windows. Installed 12 Air Pear ceiling fans to circulate air and improve efficiency of HVAC system.

Were any solar panels installed on the project? If so, indicate the size of the system: 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.: None

Any additional comments on the project:

Prior comments from owner, Dave Moffat, using Enercept SIPs is an investment in quality: 1) Sound value, building costs were very reasonable for such attractive results. 2) Rapid construction, we made our building decision in late August and moved in before December 1st. 3) Documented and obvious energy efficiency, we felt the energy efficiency was obvious from its simple construction and airtight design. "I enthusiastically endorse the Enercept design."

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:

Chels Enalt, President

Date:

3/13/2015

Entries that do not contain all required materials or are received after **March 13, 2015** will not be considered

Complete application and submit electronically to maryjane@sips.org

Or send hard copy applications to SIPA office:
1201 Pacific Ave, Suite 600, Tacoma, WA 98402

Building Excellence Award sponsor



**Structural Insulated
Panel Association**