

2017 SIPA Building Excellence Awards



Official Entry Form

APPLICATION DEADLINE: *January 16, 2017*

The Structural Insulated Panel Association (SIPA) is hosting the fifteenth 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 2017 SIPA Annual Meeting in Austin, Texas, February 20 – 22, 2017



Homes and commercial buildings completed between January 1, 2016 and December 31, 2016 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, 2016 and December 31, 2016

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 2017 SIPA Annual Meeting & Conference in Austin, Texas
- 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 January 16, 2017. 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, Roberta Bartel or Bernie Stone
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 checked="" 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 type="checkbox"/> Multifamily | <input type="checkbox"/> Renovations |
| <input type="checkbox"/> Agricultural | <input type="checkbox"/> Affordable Housing |

PROJECT INFORMATION

Project Name: Tippet Rise Arts Centre's Olivier Barn
Address: 96 South Grove Creek Rd
City: Fishtail State: MT Zip: 59028
Date completed: Summer 2016
Total cost of project (exclusive of land): not disclosed by owner
Dimensions of building (all floors of multi-story building):
18' x 81' + 37' x 88'

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

Total sq. ft. of conditioned space:
4,751

BUILT BY (if different than applicant)

Company Name: Gunnstock Timber Frames
Contact Name: Chris Gunn Phone: 307-250-6051
Address: 1500 Lane 14
City: Powell State: WY Zip: 82435

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: Gunnstock Timber Frames

Contact Name: Laura Viklund

Phone: 307-250-6051

Address: 1500 Lane 14

City: Powell

State: WY

Zip: 82435

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 Olivier Barn at Tippet Rise is a visitors' center, concert hall, art center, and state-of-the-art screening room.

How did SIP construction help you get this job?

The building was designed to achieve LEED Platinum certification, SIPs were used to enclose the timber frame barn to achieve optimal energy efficiency.

SIP wall thickness and core material: combination of 6" and 8" EPS

SIP roof thickness and core material: 10" EPS

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

The timber frames were enclosed more quickly both protecting the timbers and saving labor costs.

Describe any innovative design elements or structural engineering involved:

Olivier Barn was designed to create intimate performance spaces. The pitched roof creates and elevated, ethereal sound. The timber frames were designed for a true rustic impression. The orientation to the mountains and natural surrounding create an immersive experience in the art, music and natural beauty of Tippet Rise.

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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:

n/a

HERS Index (residential projects): n/a

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

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

Describe the HVAC system used on the project:

Ground Source Heat Pump

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.

Glazings are all triple-glass with Sun Defense 366 and Krypton specs; U-Factor .19, SHGC .17, VLT % 39, CR 74.

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

Water use is minimized by collecting, naturally purifying and re-using rain and snowmelt for irrigations.

Were any solar panels installed on the project? If so, indicate the size of the system:

Yes. Solar Canopy: 30% Solar Thermal, 70% Solar Photovoltaics, 7,000 sq. ft. Total Area. Provides charging station for electric vehicles, Solar Thermal Storage Tank provides electrical power to the building.

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

Wastewater from sinks, showers, and toilets is digested naturally and returned to the ground replenish ground water supplies. Irrigation pumps used reclaimed water for native grasses, shrubs and trees, providing habitat for animals and birds

Any additional comments on the project:

The Olivier Barn was designed with the highest standards of sustainability, for low carbon emission and net-zero energy consumption.

Electric vehicles and golf carts, charged with energy from a solar array transport visitors and staff throughout the ranch.

Active land preservation and habitat restoration efforts benefit the flora, fauna and creeks of the ranch.

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:

1-16-17

Entries that do not contain all required materials or are received after **January 16, 2017** will not be considered

Complete application and submit electronically to info@sips.org

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

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**Structural Insulated
Panel Association**