

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.



**Structural Insulated
Panel Association**



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 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)

☐ 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

☐ Affordable Housing

PROJECT INFORMATION

Project Name: West River Vet Clinic

Address: 203 US Hwy 12 E

City: Hettinger

State: ND

Zip: 58639

Date completed: April 2016

Total cost of project (exclusive of land): \$2,739,000.

Dimensions of building (all floors of multi-story building):

85' x 163'

Asking price/purchase price (Affordable Housing only):

n/a

Total sq. ft. of conditioned space:

11,691

BUILT BY (if different than applicant)

Company Name: David Parrill Construction

Contact Name: David Parrill

Phone: 701-934-7361

Address: PO Box 347

City: Bottineau

State: ND

Zip: 58318

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: Nostdahl Liptack Architects

Contact Name: Daniel Nostdahl

Phone: 602-200-8042

Address: 3033 North Central Ave; Ste 420

City: Phoenix

State: AZ

Zip: 85012

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 West River Veterinary Clinic (WRVC) is a state-of-the-art veterinary clinic, animal hospital and retail center in the southwestern North Dakota agricultural community of Hettinger. The WRVC services a large geographic area with five veterinarians and numerous technicians.

How did SIP construction help you get this job?

Having outgrown their existing facility the owners were determined to build new, and to build as energy efficiently as possible with a long-term value view. The entire envelope is constructed with SIPs.

SIP wall thickness and core material: 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 SIPs installation went quickly considering the number of design details; the building was holding heat well with two temporary electrical units so finish work could be completed over the winter months.

Describe any innovative design elements or structural engineering involved:

The roof SIPs were laid over 4' O.C. trusses to provide the interior retail space with a wide-open, rustic ceiling treatment while providing optimum energy efficiency.

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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:

Heating and cooling needs are met with a Geo-Thermal system from thirty-one 200' deep water wells, coupled to Bryant air handling units and radiant in-floor heat. There are two 5,000-watt electric heaters in the shop area entryways to add make-up heat in extreme winter conditions.

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 of the windows are Andersen Series 400 with insulated glass (U-value 27). All doors in the working part of the building are insulated steel combination doors with insulated glass; doors in the retail store are insulated aluminum doors with insulated glass. Overhead doors are Midland 3" Energy Saver Doors.

LP Smart Siding was chosen to provide a long-term maintenance free exterior. 40-year Heritage Architectural Grade asphalt shingles were used.

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

LED lighting is used in the barn area, shop and surgical suites. High-efficiency fluorescent lighting is featured in the retail space.

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.:

The clinic receives its domestic water from a regional "rural water" cooperative. A redundant system was built to allow the clinic to draw barn "wash-water" from the Geo-Thermal wells, reducing the load on the municipal water source. Two separate septic systems were constructed, one for the clinic's everyday drains, and another for the barn drains (to accomodate animal waste and wash-water).

Any additional comments on the project:

n/a

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: 1-20-17

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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Panel Association**