

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: **Ferrier Custom Homes**

Contact Name: **Donald Ferrier**

Address: **5017 Byers Ave**

City: **Fort Worth**

State: **TX**

Zip: **76107**

Phone: **(817) 237-6262**

Email: **Don@ferriercustomhomes.com**

Website: **FerrierCustomHomes.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: **Ludwig Residence**

Address: **1918 Malone Cliff View**

City: **Dallas**

State: **TX**

Zip: **75208**

Date completed: **November 2016**

Total cost of project (exclusive of land): **\$249,713**

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

18' 10" x 16' 5 1/2" 1st Floor

19' 10" x 26' 2nd Floor

Asking price/purchase price (Affordable Housing only):

Total sq. ft. of conditioned space:

810 sq. ft.

BUILT BY (if different than applicant)

Company Name:

Contact Name:

Phone:

Address:

City:

State:

Zip:

PANELS MANUFACTURED BY (members only)

Company Name: **Fischer SIPS**

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

Company Name: **s.i.t. design**

Contact Name: **Sierra H. Ruiz**

Phone: **(214) 802-7897**

Address: **2908 Bay Oaks Dr**

City: **Dallas**

State: **TX**

Zip: **75229**

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:

Single family custom home

How did SIP construction help you get this job?

Client wanted an extremely efficient (both design and performance wise) home, and SIPS proved to be a great fit for both goals from the very beginning.

SIP wall thickness and core material: **4.5" with ESP core**

SIP roof thickness and core material: **10.25" over Garage 10.5" Roof both with ESP core**

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

Our client's goal was to build an extremely energy efficient, small house that would be zero energy ready. The modular size and shape of the home lent itself to the use of SIPS for construction. By using SIPS, we obtained a quick and efficient installation with great air tightness and insulation. SIPS gave the owner a phenomonally strong structure while reducing construction time, jobsite waste, and improved overall efficiency, resulting in the owner being able to move into and enjoy his home much sooner than conventional methods.

Describe any innovative design elements or structural engineering involved:

The small home was built to the maximum length, width, and height of the lot allowances in accordance to the subdivision's restrictions. The rigidity of the SIP walls allowed us to cantilever over the front of the house and contributed to the ability of architectural design elements. With engineering help from Fischer SIPS, we were able to install an angle iron ledger to support the front leading edge of the SIP roof. This allowed us to construct an integrated concealed gutter and downspout. Looking at the front elevation of the house these are not visible, creating clean modern lines and accenting the overall look of the home.

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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:

Local Green Building (Dallas Green Building Ordinance)

LEED-H

Energy Star

DOE Zero Energy Ready Program

HERS Index (residential projects): 56

Blower door test results (ACH50) (residential projects): 1.2

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

Describe the HVAC system used on the project:

The whole house is serviced with a ductless Mitsubishi 30.5/22 SEER mini split.

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.

Exterior Door - Marvin Clad Ultimate with Low-e 366 glass

Window U-value: 0.27 SHGC: 0.18 Wood with exterior aluminum clad

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

Seisco tankless water heater, exterior rolling shades on east-facing windows to control sun exposure, Energy Star lighting/dishwasher/refrigerator, highly reflective galvalume roofing, LED lighting, all PEX plumbing, passive solar design, ductless mini splits, highly reflective galvalume metal roof, programmable thermostat,

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

No, but pre-wired to easily add in the future

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

Low VOC paint, non-toxic pest control, all native landscaping/xeriscaping, built on infill lot, minimal concrete flatwork helps control water run off, low flow plumbing fixtures, jobsite recycling of glass, cardboard, plastic, metal, and paper.

Any additional comments on the project:

This home was constructed in a new award-winning urban infill subdivision created by the urban activist Monte Anderson. The Villas at Belmont on Malone Cliff require homes with a smaller physical and ecological footprint. Due to the small footprint of the homes, space is limited but owners are given free memberships to extra amenities. Included in the membership is discounted rates for traveling guests of the homeowners to stay at the nearby Belmont Hotel, unlimited access to the detached Belmont fitness center and swimming pool, and is adjacently located to family style dining at Smoke restaurant. The stunning views of downtown Dallas skyline to the east overlooking the Trinity river are stunning and amazing. This home is being certified to multiple green building programs and the SIPs contributed additional points for each designation. Once the homeowner occupied the home, the average electric bill has been less than \$60/month (higher initial bills were before the installation of exterior rolling shades).

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: Heather Laminack Date: 1-23-16

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



Structural Insulated
Panel Association

BUILDING EXCELLENCE AWARD SPONSOR

