

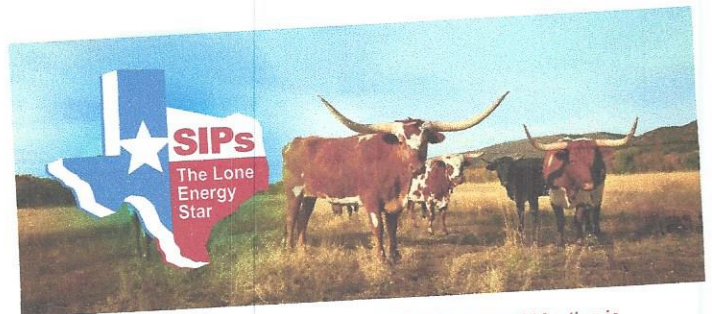
SIPA Building Excellence Awards



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



**Structural Insulated
Panel Association**



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)

- | | |
|---|---|
| <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 type="checkbox"/> Commercial/Industrial/Institutional Buildings over 10,000 sq. ft. |
| <input type="checkbox"/> Multifamily | <input type="checkbox"/> Renovations |
| <input type="checkbox"/> Agricultural | <input checked="" type="checkbox"/> Affordable Housing |

PROJECT INFORMATION

Project Name: Tarrant County Housing Partnership - Workforce Housing

Address: 1203 E. Allen Ave.

City: Fort Worth

State: TX

Zip: 76104

Date completed: November 2016

Total cost of project (exclusive of land): \$143,126

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

House 27' x 54' 7 1/16"

Detached Garage 18' x 22'

Asking price/purchase price (Affordable Housing only):

\$76,000

Total sq. ft. of conditioned space:

1376 sq. ft.

BUILT BY (if different than applicant)

Company Name: _____

Contact Name: _____

Phone: _____

Address: _____

City: _____

State: _____

Zip: _____

PANELS MANUFACTURED BY (members only)

Company Name: Korwall, Inc.

Continued

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

Company Name: **ERN Architects**

Contact Name: **Ed Nelson**

Phone: **(214) 361-8485**

Address: **10711 Preston Rd.**

City: **Dallas**

State: **TX**

Zip: **75230**

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 residence

How did SIP construction help you get this job?

SIPS met the criteria of quality, energy efficiency, and value that were the pillars of the project's goals from the onset. Recommending SIP's was a no-brainer as a result, and have proven to be a great fit and example to the surrounding community

SIP wall thickness and core material: **5" with ESP core**

SIP roof thickness and core material: **10" with ESP core**

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

Tarrant County Housing Partnership (TCHP) is a non-profit housing agency investing in communities throughout Tarrant County to provide quality, affordable, and energy efficient housing options for low to moderate income families. The president and vice president approached national green builder leader Don Ferrier for input on how to make their workforce housing more energy efficient and green, while keeping the homes affordable and within strict building timelines. Don suggested several techniques with the priority being the use of SIPS. After partnering with local SIP manufacturer Korwall, Ferrier Custom Homes (FCH) build homes that were much stronger and energy efficient while also greatly improving air tightness, insulation, and quality. SIPS were an integral part of speeding up the build process while improving the overall quality of the homes.

Describe any innovative design elements or structural engineering involved:

This TCHP workforce home is located in southeast Fort Worth with a historic architectural legacy of craftsman style homes. Pre-qualified homeowners get to choose from 3 different craftsman style floor plans all designed for effective use of SIPs, this blends the new homes with the existing "feel" of the surrounding neighborhood. FCH gave strategic input on placement of porches, porte-cochere, overhangs, and window placement to reduce the impact of the hot summer sun and hot/humid Texas climate

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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:

Energy Star

HERS Index (residential projects): 63

Blower door test results (ACH50) (residential projects): 2.5

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

Describe the HVAC system used on the project:

Carrier 15 SEER air source heat pump with R6 duct system with QuFresh ventilation fresh air system

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.

U-factor 0.3 for windows

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

Energy star lighting & appliances (dishwasher & refrigerator)

Passive solar design

Energy star exhaust fans

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.:

Recycled content in the following : Asphalt composition shingles & Vinyl windows

Low VOC Paints

Native Landscaping

Any additional comments on the project:

TCHP's goal was to provide quality, energy efficient housing at a discounted price to qualifying families, and SIPs were the perfect match to achieve this goal. The City of Fort Worth housing department donated city owned repossessed empty lots in an effort to bring new growth to the area. This home is the second of many homes planned in the urban revitalization project between TCHP, City of Fort Worth, FCH, and HUD.

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:

Donald E. Z.

Date:

1-23-17

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



Structural Insulated
Panel Association

BUILDING EXCELLENCE AWARD SPONSOR

