

2022 SIPA Building Excellence Awards



Official Entry Form

APPLICATION DEADLINE: *January 12, 2022*

The Structural Insulated Panel Association (SIPA) is hosting the twentieth 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**

**SelectSIPs
EXPO** 
A Better Way to Build

Feb 28-Mar 2 / ORLANDO, FL

Winning entries will be showcased at the 2021 SIPA Annual Meeting and SelectSIPs EXPO.



Homes and commercial buildings completed between January 1, 2021 and December 31, 2021 are eligible.

Award Categories:

- High Performance (*any size or use category - judged only on special High Performance features or certifications*)
- Single Family 'Small House' under 900 sq. ft.
- 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, 2021 and December 31, 2021

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 2022 SIPA SelectSIPs EXPO (Annual Meeting) in Orlando, Florida, February 28 - March 2, 2022.
- 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 (except for same project also submitted to High Performance category)
- 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 12, 2022. 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 are encouraged to have a HERS Index calculated by a RESNET certified home energy rater. High Performance category projects must present a HERS Index with blower door data. Commercial High Performance projects must provide 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:

- Design and structural engineering innovation
- Creative use of SIP construction
- Environmental sustainability

New High Performance Category criteria:

- Projects can compete both here and in specific building type category
- Only features pertaining to eco-efficiency, health, resilience, and renewable energy are considered here
- Energy efficiency (quantified by HERS Index, blower door and other data)



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PARTICIPANT INFORMATION

Company Name: Ultimate Construction, Inc.

Contact Name: Scott Foley

Address: 4827 Pierceville Road

City: Cottage Grove

+ State: WI

+ Zip: 53527

Phone: 608-825-4633

Email: office@ultimate-construction.com

Website: www.ultimate-construction.com

CATEGORY ENTRY (check one category)

☐ Single Family 'Small House' under 900 sq. ft.

☒ 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

☐ High Performance (multiple category entry permitted)

PROJECT INFORMATION

Project Name: Huston Residence

Address: 2316 Uphoff Road

City: Cottage Grove

+ State: WI

+ Zip: 53527

Date completed:

Total cost of project (exclusive of land): 4,000,000

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

House - 5,000 1st floor; 1,290 2nd floor loft

Garage - 1,290 1st floor; 1,290 LL

Asking price/purchase price (Affordable Housing only):

n/a

Total sq. ft. of conditioned space:

12,580

BUILT BY (if different than applicant)

Company Name: same

Contact Name:

Phone:

Address:

City:

State:

Zip:

PANELS MANUFACTURED BY (SIPA members only)

Company Name: Energy Panel Structures, Inc.

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

Company Name: Brown House Architects

Contact Name: Shane Fry

Phone: 608-663-5100

Address: 202 West Gorham Street

City: Madison

State: WI

Zip: 53703

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 residential home

How did SIP construction help you get this job?

Our energy rating on previous homes.
The quietness and healthiness benefits of having a SIPS home.
Needing to build 10 walls
Neopreen SIPs roof
Being able to combine with over 100+ year old timber frame

SIP wall thickness and core material: R26 walls

SIP roof thickness and core material: 10" neopreen roof panels

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

With the size of the home and height of the walls, SIPs saved superior amount of time, plus the angles of the home.
Vaulted area with panels for bedroom and dining room
10' basement and walk out walls.

Describe any innovative design elements or structural engineering involved:

Redesigning timber frame being built out of 300+ year old barns (three different barns) that we carefully removed.
These timber frames worked well with the SIPs package, in the vaulted ceiling and dormer areas, letting us have a continuous ceiling.

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Please list any certifications the project received, such as ENERGY STAR, LEED, National Green Building Standard, WELL, Passive House, Green Globes or local green building programs. Only list certifications that are completed:

HERS Index *(required only for High Performance Category and recommended for residential projects):*

40

Blower door test results (ACH50) *(required only for High Performance Category and recommended for residential projects):*

.085

Energy use intensity in kBtu/ft² *(required only for High Performance Category and recommended for commercial projects):*

Describe the HVAC system used on the project:

This house has 2 condensing boilers, which are 95% efficient

Radiant in-floor heat

High velocity system

Variable speed/scroll compressors

High efficient AC

Describe any other energy-saving materials used in the building envelope other than SIPs. List U-values of windows used and the U or R-value of any insulation materials. *(judged only for High Performance Category)*

Spray foam on ring joist areas and all top plates, plus skimmed foam on all attic side of drywall.

R60 blown in areas that were not SIPs

Please list any energy-efficient products or design features, such as lighting, hot water heating, appliances, passive solar *(judged only for High Performance Category):*

All lighting is LED.

On demand water heater

Boiler in-floor heat

Energy Star appliances

Make up air for the kitchen exhaust

Were any solar panels installed on the project? If so, indicate the size of the system *(judged only for High Performance Category):*

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. (judged only for High Performance Category):

Real stone on exterior
Standing seam roof

Any additional comments on the project:

45 years being in the building business, this home is the most unique home Ultimate Construction has built with SIPs.

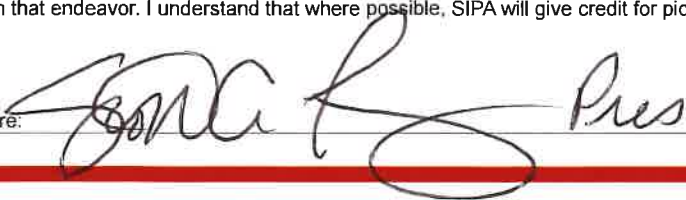
High ceilings
Window details
Exterior elevation details

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

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:

 Pres

Date:

1/18/22

Entries that do not contain all required materials or are received after **January 12, 2022** 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**