

# 2021 SIPA Building Excellence Awards



**Official Entry Form**

**APPLICATION DEADLINE: *January 23, 2021***

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

**MARCH 15-17 / ORLANDO, FL**

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





**Homes and commercial buildings completed between January 1, 2020 and December 31, 2020 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, 2020 and December 31, 2020

### **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 2021 SIPA SelectSIPs EXPO (Annual Meeting) in Orlando, Florida, March 15-17, 2021.
- 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 23, 2021. 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)

## SIPA Building Excellence Application (Page 1 of 4)



### PARTICIPANT INFORMATION

Company Name: Arvola Builders, Inc.

Contact Name: Chad Arvola

Address: 603 N. Van Gordon Ave.

City: Monticello

State: MN

Zip: 55362

Phone: 763-314-0708

Email: chad@arvolabuilders.com

Website: www.arvolabuilders.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: Nate and Brenda Johnson

Address: 3579 Emerson Ave. N.W.

City: Maple Lake

State: MN

Zip: 55358

Date completed: 09/30/20

Total cost of project (exclusive of land): \$400,000

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

See attached plan

Asking price/purchase price (Affordable Housing only):

N/A

Total sq. ft. of conditioned space:

2140

### BUILT BY (if different than applicant)

Company Name: Arvola Builders, Inc.

Contact Name: Chad Arvola

Phone: 763-314-0708

Address: 532 Walnut St.

City: Monticello

State: MN

Zip: 55362

### PANELS MANUFACTURED BY (SIPA members only)

Company Name: Energy Panel Structures, Inc.

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## **SIPA Building Excellence Application** (Page 2 of 4)



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

Company Name: **Energy Panel Structures, Inc.**

Contact Name: **Karol Johnson**

Phone: **712-859-3219**

Address: **603 N. Van Gordon Ave.**

City: **Graettinger**

State: **IA**

Zip: **51342**

**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 is a slab on grade home.

How did SIP construction help you get this job?

The Johnson's wanted to build an energy efficient home. They were considering building with ICF's, but were having a difficult time finding a builder that could do a build with ICF's that would fit their budget. We were able to do a build with SIP's that fit their budget.

SIP wall thickness and core material: **6 1/2"**

SIP roof thickness and core material:

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

We built a very energy efficient, comfortable and durable home.

Describe any innovative design elements or structural engineering involved:

**Continued**

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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:

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

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

See attached report on test.

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Energy use intensity in kBtu/ft<sup>2</sup> *(required only for High Performance Category and recommended for commercial projects):*

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Describe the HVAC system used on the project:

The HVAC system consisted of radiant in floor heat that will use a Combi unit along with a Bryant 96 percent efficiency furnace, Renewaire EV90ERV

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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)*

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

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

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## SIPA Building Excellence Application (Page 4 of 4)



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)*:

Low VOC paints Stained concrete floors

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Any additional comments on the project:

### 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.

1-11-21

Signature: Lee A Bergum

Date:

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Entries that do not contain all required materials or are received after **January 23, 2021** will not be considered

Complete application and submit electronically to [info@sips.org](mailto:info@sips.org)

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



**Structural Insulated  
Panel Association**