

# 2020 SIPA Building Excellence Awards



## Official Entry Form

APPLICATION DEADLINE: **January 11, 2020**

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 2 - 4 / PHOENIX, ARIZONA**

*Winning entries will be showcased at the 2020 SIPA Annual Meeting and SelectSIPs EXPO.*



*Homes and commercial buildings completed between January 1, 2019 and December 31, 2019 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, 2019 and December 31, 2019

### **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 2020 SIPA SelectSIPs EXPO (Annual Meeting) in Phoenix, Arizona, March 2-4, 2020.
- 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 11, 2020. 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: Broadview Builders Inc  
Contact Name: Rocky Radmann  
Address: 1344 cOUNTY HIGHWAY 10  
City: Lexington, State: MN Zip: 55014  
Phone: 651-248-3522  
Email: Rocky@BroadviewBuilders.com Website: WWW.BroadviewBuilders.com

## CATEGORY ENTRY (check one category)

- |   |   |
|---|---|
| <input type="checkbox"/> Single Family 'Small House' under 900 sq. ft.      | <input type="checkbox"/> Commercial/Industrial/Institutional Buildings under 10,000 sq. ft. |
| <input type="checkbox"/> Single Family Homes over 3,000 sq. ft.             | <input type="checkbox"/> Commercial/Industrial/Institutional Buildings over 10,000 sq. ft.  |
| <input checked="" type="checkbox"/> Single Family Homes under 3,000 sq. ft. | <input type="checkbox"/> Renovations  |
| <input type="checkbox"/> Multifamily  | <input type="checkbox"/> Affordable Housing   |
| <input type="checkbox"/> Agricultural                                       | <input type="checkbox"/> High Performance (multiple category entry permitted)               |

## PROJECT INFORMATION

Project Name: LoosBrock Residence  
Address: 4535 Lakeshore Place  
City: Arden Hills State: MN Zip: 55112  
Date completed: 7/8/19  
Total cost of project (exclusive of land): 400,057.00  
Dimensions of building (all floors of multi-story building):  
27x37 1 1/2 story Bungalow  
Asking price/purchase price (Affordable Housing only):  
For Client  
Total sq. ft. of conditioned space:  
2100 sf

## BUILT BY (if different than applicant)

Company Name: \_\_\_\_\_  
Contact Name: \_\_\_\_\_ Phone: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

## PANELS MANUFACTURED BY (SIPA members only)

Company Name: Extreme Panel

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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: Evan Dandar Design

Contact Name: Evan Dandar

Phone: 605-690-5293

Address: 1344 COUNTY HIGHWAY 10

City: VERDI

State: MN

Zip: 55293

**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?

Client had research and was familiar with the different options, They opted to choose the high performance construction for best value!

SIP wall thickness and core material: 6.5" with extreme panel quality product

SIP roof thickness and core material: 12.25" with extreme panel quality product

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

The project site was tight and tree cover. the assembly of the SIPS product was best for limited crane access and the erection of the product was in winter so the faster the install process the better.

Describe any innovative design elements or structural engineering involved:

The project started with the removal of and old small bungalow home built tn the 40s. We provided the new foundation using a plastic "form-a-drain" product. to serve as a dual purpose, (ftg form and drain tile) recycled plastic hollow forms to serve as the drain tile on both sides of the footing. All ICF exterior wall penetrations were sealed with manufactured flexible wall units and seal to the wall. The foundations, exterior grade was protected with ground breaker protection panel. the entire house shell was sealed in a Prosoco, Spray wrap MVP weatherization seal.

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## SIPA Building Excellence Application (Page 3 of 4)



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:

The owner salvaged and reused several appliance.

Broadview is a member of the Energy Star, WaterSense and SIPA, but we did not apply since the owner reused existing appliances.

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

Hers is attached and completed by Johnson Environmental. Chris Johnson 605-940-0759

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

Blower door test is attached and completed Donald Jahnke 507-920-6663

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

Do not have from client

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Describe the HVAC system used on the project:

The client did not want forced air heating, so the entire home has in-floor heating including the basement. The home is being condition with heat pumps and Panasonic fan and air-exchangers.

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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)

The entire foundation of this project has no interior concrete touch dirt, it has all been wrapped in a foundation insulation, including the footings.

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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):

The home consist of all LED lighting and high efficients fans and heat pumps.

The home is ZERO ready construction

Owner requested that the plumbing water supply is provided by a multi headed manifold located in the mechanical room and supplies direct lines to all plumbing fixtures.

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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):

The home has such a high performance value that spending additional money and resource on alternative energy has a reduced value since the payback time is significantly extended.

## 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):

The home is constructed for ZERO ready home.

The Foundation is formed with "form-a-drain" product. to serve as a dual purpose, (ftg form and drain tile) recycled plastic hollow forms to serve as the drain tile on both sides of the footing.

Any additional comments on the project:

The home has such a high performance value that spending additional money and resource on alternative energy has a reduced value since the payback time is significantly extended.  
The entire foundation of this project has no interior concrete touch dirt, it has all been wrapped in a foundation insulation, including the footings.

The clients proclaim to be "Minimalist" personality and enjoyed the process of researching options and evaluating product options.

### 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: \_\_\_\_\_

Date: \_\_\_\_\_

1-17-2020

Entries that do not contain all required materials or are received after **January 11, 2020** 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**