

2016 SIPA Building Excellence Awards



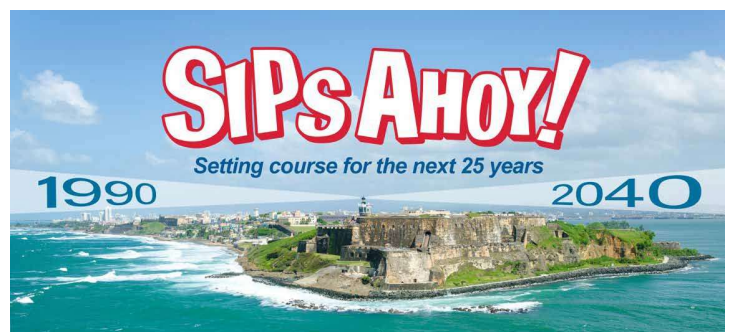
Official Entry Form

APPLICATION DEADLINE: *March 4, 2016*

The Structural Insulated Panel Association (SIPA) is hosting the fourteenth 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 2016 SIPA Annual Meeting in
Puerto Rico, April 4 - 6, 2016*



Homes and commercial buildings completed between January 1, 2015 and December 31, 2015 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, 2015 and December 31, 2015

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 2016 SIPA Annual Meeting & Conference in San Juan, Puerto Rico
- 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 March 4, 2016. 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: CVH Inc. / Zero-Energy Plans LLC

Contact Name: Ted L. Clifton

Address: 107 S. Main St. Suite G101

City: Coupeville

State: WA

Zip: 98239

Phone: 360-678-7000

Email: cvh@whidbey.net

Website: www.zero-energyplans.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: Whidbey Island

Address: Marine Dr

City: Coupeville

State: WA

Zip:

Date completed: March 2015

Total cost of project (exclusive of land): \$421,000

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

2-bedrom, 2-bath, 2-story, 2,408 sq. ft

Asking price/purchase price (Affordable Housing only):

Total sq. ft. of conditioned space:

2,408 sq. ft

BUILT BY (if different than applicant)

Company Name: CVH Inc., DBA Clifton View Homes

Contact Name:

Phone:

Address:

City:

State:

Zip:

PANELS MANUFACTURED BY (members only)

Company Name: PREMIER SIPS

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

Company Name: Zero-Energy Plans LLC

Contact Name: same as above

Phone: _____

Address: _____

City: _____

State: _____

Zip: _____

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:

Net Zero Energy Custom Home

How did SIP construction help you get this job?

SIPs provided airtight construction to give homeowners comfort of constant even temperatures throughout the house as desired.

SIP wall thickness and core material: 6.5" SIP Walls (R-25)

SIP roof thickness and core material: 10.25" SIP Roof (R-40)

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

The SIP construction provided an airtight structure for the home, which tested at 0.7ACH50. As well as helped the homeowner on projected energy cost savings (annual savings of \$1,728)

Describe any innovative design elements or structural engineering involved:

Walls: 6.5" SIPs (R-25) with corrugated house wrap and fiber cement siding. Roof/Attic: 10.25 SIPs (R-40), two part polyiso spray foam to seal rim-joists and attic floor joists, composite roofing shingles. - Foundation: Daylight-basement with 11.75" ICFs (R-23) extending 12" below slab base; 4" (R-20) rigid foam under entire floor slab.

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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:

Certified to DOE's Zero Energy Ready Home Program, meeting all requirements of ENERGY STAR Certified Homes Version 3.0 and the U.S. Environmental Protection Agency's Indoor airPLUS as well as the hot water distribution requirements of the EPA's WaterSense program and the insulation requirements of the 2012 International Energy Conservation Code. Built Green Washington, Four Star

HERS Index (residential projects): **-12**

Blower door test results (ACH50) (residential projects): **0.7ACH50**

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

Describe the HVAC system used on the project:

HVAC: Air-to-water heat pump (COP 4.1) for radiant floor heat. Ventilation cooling. HOT WATER: Air-to-water heat pump (COP 4.5, HSPF 15.5)

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.

-WINDOWS: Triple-pane, triple-low-e, argon fill, U=0.20 to 0.2; SHGC= 0.22

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

Lighting: 100% LED. Appliances: ENERGY STAR dishwasher, refrigerator, clothes washer (most energy-efficient models); ENERGY STAR ceiling fans.

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

7.84-kW solar electric system, made in WA for incentives. 6-year payback due to the state production credits

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

Water Conservation: All EPA WaterSense fixtures. Landscaping: yard is xeroscaped for zero irrigation. Interiors: no-VOC paints, low-VOC caulks and adhesives. Electric Car: electric-car charging circuit in garage. House is engineered to withstand an 8.0 magnitude earthquake.

Any additional comments on the project:

"Aside from the absence of any meaningful energy bills, we enjoy the constant even temperature throughout the house. It simply doesn't fluctuate even when exterior doors are opened and closed."
----Homeowner

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.

Rachel Wood

Digitally signed by Rachel Wood
DN: cn=Rachel Wood, o=Insulfoam, ou=Premier SIPs,
email=rachel.wood@groupgilmann.com, c=US
Date: 2016.03.02 16:44:19 -05'00'

Signature:

March, 1, 2016

Date:

Entries that do not contain all required materials or are received after **March 4, 2016** will not be considered

Complete application and submit electronically to
maryjane@sips.org

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

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