

SIPA Building Excellence Application (Page 1 of 4)



PARTICIPANT INFORMATION

Company Name: Energy Panel Structures
Contact Name: Chris Spaeth
Address: 603 N Van Gordon Avenue
City: Graethwoor State: Iowa Zip: 51342
Phone: 712-854-3219
Email: epsmarketing@epsbuildings.com Website: epsbuildings.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: Eric & Kim Ward Residence
Address: 8809 W Lakeside Drive
City: Sioux Falls State: SD Zip: 57107
Date completed: 03/2015
Total cost of project (exclusive of land):
Dimensions of building (all floors of multi-story building):
Asking price/purchase price (Affordable Housing only):
Total sq. ft. of conditioned space:
4975 sq ft

BUILT BY (if different than applicant)

Company Name: NRG Homes
Contact Name: John Remacle Phone: 605 271 5598
Address: 200 N Ebenezer Avenue
City: Sioux Falls State: SD Zip: 57107

PANELS MANUFACTURED BY (members only)

Company Name: Energy Panel Structures

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

Company Name: same as applicant

Contact Name: _____ 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:

Single family residence

How did SIP construction help you get this job?

Home owner is a firm believer in SIP construction & all of its endorse features & benefits

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

SIP roof thickness and core material: Blended SIP 10 1/4" w/ Neopure EPS & TRUSS

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

SIPs created a more efficient wall & roof system. The system erects quicker, offers versatility in framing principles & is much more energy efficient than other insulation options

Describe any innovative design elements or structural engineering involved:

Blended roof system - SIPs in cathedral areas & trusses & offer vaults in balance of areas.

Structural challenges were easily met w/ SIP roof system

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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:

5starplus Energy Rating Confirmed

HERS Index (residential projects):

49

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

2.79

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

Describe the HVAC system used on the project:

Dual Fuel High Efficiency Heat Pump
8.5 HSPF, 13.5 Seer, 96 AFUE

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.

Andersen windows w/ U28. Blown in insulation (flat areas R-60)

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

Marathon 105 gallon water heater, 91% efficient
Foundation walls upto R-33, Under slab R-10, Edge R-10

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

N/A

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

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
- 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:

Elizabeth Rice for Chris Spaeth

Date:

3/7/16

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



**Structural Insulated
Panel Association**

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