

## Application (Page 1 of 4)

### PARTICIPANT INFORMATION

Company Name: Energy Panel Structure  
Contact Name: Patrick J Brown  
Address: 102 E. Industrial Park  
City: Graettinger State: IA Zip: 51342  
Phone: 1-800-967-2130  
Email: PBrown@EPSBuildings.com Website: EPSbuildings.com

### CATEGORY ENTRY (check one category)

- |   |   |
|---|---|
| <input type="checkbox"/> Single Family Homes (over 3,000 sq. ft.) | <input type="checkbox"/> Commercial/Industrial/Institutional Buildings under 10,000 sq. ft. |
| <input type="checkbox"/> Single Family Homes (under 3,000 sq ft.) | <input type="checkbox"/> Commercial/Industrial/Institutional Buildings over 10,000 sq. ft.  |
| <input type="checkbox"/> Multifamily                              | <input type="checkbox"/> Renovations  |
| <input checked="" type="checkbox"/> Agricultural                  | <input type="checkbox"/> Affordable Housing   |

### PROJECT INFORMATION

Project Name: Bangert  
Address: 10659 Timber Creek  
City: Shirley State: IL Zip: 61704  
Date completed: 10-2-12  
Total cost of project (exclusive of land):  
Dimensions of building (all floors of multi-story building): Lower-32x64; 30x30; 10x14  
2nd Level-32x47; 30x30; 10x14  
Room-in attic trusses 12x17 + 12x30  
Asking price/purchase price (Affordable Housing only):

Total sq. ft. of conditioned space: Lower Level 2561; and Level 1905; Room-in Attic 564 total 5030 sq ft

### BUILT BY (if different than applicant)

Company Name: J-Built Buildings  
Contact Name: Justin Barr Phone: 1(309) 261-2808  
Address: 4107 EAST Oakland Ave  
City: Bloomington State: IL Zip: 61704

### PANELS MANUFACTURED BY (members only)

Company Name: Energy Panel Structure

Continued

## Application (Page 2 of 4)

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

Company Name: Energy Panel Structure

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: At this time Storage for old Barn Wood and Farming equipment.

How did SIP construction help you get this job?

potential Energy Savings.  
This Building end use may change in the future to Residence.  
EPS Structural Design By EPS

SIP wall thickness and core material: EPS R-26 and R-28

SIP roof thickness and core material: none

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

SIP's Saved Labor and Maximized wall thickness for height  
at open to Below area, where wall heights reached 23' tall.  
EPS engineering was able to use structural splines to achieve  
these heights

Describe any innovative design elements or structural engineering involved:

23' tall SIP wall with an R-26 EPS wall which  
is approximately 6½" thick

Continued

## Application (Page 3 of 4)

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:

HERS Index (residential projects): None

Blower door test results (ACH50) (residential projects): None

Energy use intensity in kBtu/ft<sup>2</sup> (commercial projects): None

Describe the HVAC system used on the project: Researching Different types at the moment looking in to solar

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.

Anderson 100 series to help with air infiltration

McElroy ~~Panel~~ Acc Roof and Wall  
Meridian hidden fasteners

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

Future addition of solar panels Rereaching At this time

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

no, not at this time

Continued

## 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.:

Any additional comments on the project:

This Barn was designed with the idea of an inground old  
german Barn style

### 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: 

Date: 

Entries that do not contain  
all required materials or are  
received after **March 12, 2013**  
will not be considered

Complete application and submit electronically to [info@schwindcommunications.com](mailto:info@schwindcommunications.com)

Or send hard copy applications to SIPA office:

P.O. Box 1699 Gig Harbor, WA 98335  
For FedEx or UPS Deliveries ONLY:  
6659 Kimball Drive NW, D-404  
Gig Harbor, WA 98335  
253.858.7472



**Structural Insulated  
Panel Association**

Copyright © 2013 Structural Insulated Panel Association (SIPA). All rights reserved.

[www.sips.org](http://www.sips.org)