

Application (Page 1 of 4)

PARTICIPANT INFORMATION

Company Name: _____

Contact Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____

Email: _____ Website: _____

CATEGORY ENTRY (check one category)

☐ Single Family Homes (over 3,000 sq. ft.)

☒ Commercial/Industrial/Institutional Buildings under 10,000 sq. ft.

☐ Single Family Homes (under 3,000 sq ft.)

☐ Commercial/Industrial/Institutional Buildings over 10,000 sq. ft.

☐ Multifamily

☐ Renovations

☐ Agricultural

☐ Affordable Housing

PROJECT INFORMATION

Project Name: James H. Andrew Railroad Museum and History Center

Address: 225 10th Street

City: Boone State: Iowa Zip: 50036

Date completed: _____

Total cost of project (exclusive of land): \$1,160,000.00

Dimensions of building (all floors of multi-story building): 8,861 Square Feet

Asking price/purchase price (Affordable Housing only): _____

Total sq. ft. of conditioned space: 8,861 SF

BUILT BY (if different than applicant)

Company Name: R.H. Grabau Construction, Inc.

Contact Name: Eric Hammer Phone: 515-432-6935

Address: P.O. Box 99

City: Boone State: IA Zip: 50036

PANELS MANUFACTURED BY (members only)

Company Name: EPS

Continued

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

Company Name: R.H. Grabau Construction, Inc.

Contact Name: Eric Hammer

Phone: 515-432-6935

Address: P.O. Box 99

City: Boone

State: IA

Zip: 50036

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 building is used as a museum for railroad history.

The museum preserves and showcases the history of the railroad.

How did SIP construction help you get this job? The project was presented to the owner with the EPS panel idea. The savings that come from the building made the owner's very interested. The construction type allowed for fast construction and the energy savings were economical. The cost-effective design and flexibility was a big plus for the museum. Kevin Zado, the local EPS representative, educated the owner on the building type and the positive effects of the building. The outside of the building was finished with Brick. One of the advantages was having EPS engineer the prints so a structural engineer did not have to be involved. A single slope truss was combined to create the curb appeal of the project.

SIP wall thickness and core material:

SIP roof thickness and core material: N/A

Describe the benefits of using SIPs on this project. Did SIPs help save time, labor, construction costs, or energy? Utilizing the SIPS panels allowed the saving of labor, time and energy. The estimated savings in the labor part was saving the owner 1/3 of the cost.

Describe any innovative design elements or structural engineering involved: Spandel glass was used in the attic area in order to get the arched windows that resemble the Kansas City Grand Central Station. On the inside the windows are normal but from the outside they give a grand appearance. The EPS structure was also thought out to reduce the outside noise level from the trains outside. There is a viewing area that shows the trains on the tracks so that people can watch while they go out. EPS helped create every aspect of this project and design. An office, theater library and kitchen were also included in the design.

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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:

N/A

HERS Index (residential projects):

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

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

Describe the HVAC system used on the project: Please see the enclosed letter from Pritchard Brothers.

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.

Please see the letter from Brown Electric.

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

N/A

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

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

N/A

Any additional comments on the project: Please see the attached letter from the owner of the building. This building also includes a building within the building. One of the donors donated an old railroad depot replica that presented a challenge on the jobsite. This building was moved inside after the construction had started. The location of the site is also at the Boone and Scenic Valley Railroad which allows for the railroad history to be combined with train rides and the beauty of the Des Moines River Valley. The history of Boone and many other midwest towns include the railroads. With EPS, the project was on time and within the budget of the museum. Grabau Construction is very proud to be a part of the project and have used this model to bring other customers to the EPS buildings.

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

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**

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