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PARTICIPANT INFORMATION

Company Name: Energy Panel Structures DBA BBL Buildings & Components

Contact Name: Steve Clifton

Address: 232 Semo Ln

City: Perryville

State: MO

Zip: 63775

Phone: 573-547-8363

Email: bbl@bblusa.net

Website: www.bblusa.net

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: Lappe Cement Finishing, Inc. - Randy Lappe

Address: 2710 County Road 413

City: Friedheim

State: MO

Zip: 63747

Date completed:

Total cost of project (exclusive of land): \$257,760.00

Dimensions of building (all floors of multi-story building): 4,368 square feet, solid core

1008 square feet loading door area

1748 square feet lean to storage rear

Asking price/purchase price (Affordable Housing only):

Total sq. ft. of conditioned space: 4,368 square feet

BUILT BY (if different than applicant)

Company Name: See Above

Contact Name:

Phone:

Address:

City:

State:

Zip:

PANELS MANUFACTURED BY (members only)

Company Name: Energy Panel Structures

Continued

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

Company Name: Energy Panel Structures

Contact Name: Steve Clifton

Phone: 573-517-2893

Address: 232 Semo Lane

City: Perryville

State: MO

Zip: 63775

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: Commercial shop

How did SIP construction help you get this job? This was originally designed as a post frame construction project. The project was presented to the owner with the conceptual idea of using Structural Insulated Panels. The energy savings, long term durability and cost effective design that come from the building peaked the owner's interest. The construction type allowed for fast construction and the energy savings were very economical. One of the advantages was having EPS engineer the prints to eliminate the need for a structural engineer.

SIP wall thickness and core material: R26 nominal 6"

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 savings of labor, time and energy. The estimated savings cost on the labor portion to the owner was approximately 30%.

Describe any innovative design elements or structural engineering involved: Incorporation of post frame loading area at end of porch.

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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): N/A

Blower door test results (ACH50) (residential projects): N/A

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

Describe the HVAC system used on the project: In-floor hot water radiant heat that is generated by outside wood furnace / boiler system.

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.

N/A

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:

N/A

Continued

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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: OWNER: The incorporation of the energy efficient SIP building and the in-floor radiant heat make this one of the most comfortable buildings our guys have ever worked in. The consistency of the inside temperature is outstanding. This allows for fast regeneration of inside temperature after opening of large overhead doors. The next project I am building will also be a SIP structure.

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:

Steve Cleyton

Date:

03-14-2013

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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