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PARTICIPANT INFORMATION

Company Name: ENERGY PANEL STRUCTURES, INC.

Contact Name: KEVIN ZADOW

Address: 603 N. VAN GORDON AVE.

City: GRAETTINGER

State: IA

Zip: 51342

Phone: 712-859-3219

Email: kzadow@epsbuildings.com

Website: www.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: CHRISTENSEN CATTLE FARM - RON CHRISTENSEN

Address: 3965 170TH AVE.

City: SPENCER

State: IA

Zip: 51301

Date completed: 1/25/16

Total cost of project (exclusive of land): \$425,000

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

100'x120x22'-5"

Asking price/purchase price (Affordable Housing only):

Total sq. ft. of conditioned space: 12,000 sq ft.

BUILT BY (if different than applicant)

Company Name: QUAIL CONSTRUCTION, L.L.C.

Contact Name: JOE & ANNE QUAIL

Phone: 712-580-5100

Address: 4045 HWY. 71

City: SPENCER

State: IA

Zip: 51301

PANELS MANUFACTURED BY (members only)

Company Name: ENERGY PANEL STRUCTURES, INC.

Continued

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

Company Name:

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: FARM MAINTENANCE SHOP & STORAGE
★ FULL KITCHEN, LAUNDRY, SHOWER, FOR FARM EMPLOYEES USE.

How did SIP construction help you get this job?

★ HIGH ENERGY EFFICIENCY OF A SIPs BUILDING- COMPARED TO A ALL STEEL BUILDING.
★ SPEED OF CONSTRUCTION
★ — SEE ATTACHED ARTICLE FROM QUAIL NEWSLETTER —

SIP wall thickness and core material: 8 7/8" overall THICKNESS WITH 7 3/8" EXPANDED POLYSTYRENE

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?

★ R-33 WALLS FOR ENERGY EFFICIENCY
★ SIPs SAVED TIME & MONEY BY SPEED OF CONSTRUCTION
★ ASSURANCE OF PROPERLY INSULATED BUILDING

Describe any innovative design elements or structural engineering involved:

★ 40'x20' HIGH POWER HYDRAULIC SWING DOOR
★ 21'-11" SIP PANELS ON TOP OF 6" CONCRETE STEM WALL
★ 100' CLEAR SPAN WOOD TRUSSES

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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 WITH LPGAS BOILER
* MITSUBISHI MINI-SPLIT FOR AC - 13 SER

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.

* R-50 BLOW-IN CELLULOSE ATTIC INSULATION
* PERIMETER INSULATION CONSISTING OF 1 1/2" EXPANDED POLYSTYRENE WITH GRY PAINTED
29 GA FLAT STEEL LAMINATED TO THE FORM - R-10.

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

* MITSUBISHI MINI SPLIT UNITS FOR AIR CONDITIONING - 13-SER
* IN-FLOOR HOT WATER HEAT - LPGAS BOILER
* T-5 FLOUORESCENT LIGHTING
* ENERGY STAR APPLIANCES IN KITCHENETTE, LAUNDRY, REST ROOM, SHOWER

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

NO

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

LOW-VOC LATEX PAINTS

Any additional comments on the project:

★ 205 GAL OF LP GAS FOR 1ST YEAR TO HEAT - KEPT @ 55-60°
★ 100' CLEAR SPAN WOOD TRUSS SYSTEM

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:

Kevin E. Zander

Date:

3/4/16

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