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PARTICIPANT INFORMATION

Company Name: ENERGY PANEL STRUCTURES

Contact Name: DAVE THOMAS

Address: 102 EAST INDUSTRIAL PARK

City: GRAETTINGER

State: IOWA

Zip: 51342

Phone: 847-393-3106

Email: dthomas@epbuildings.com

Website: www.epbuildings.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: MYKREAL FARMS

Address:

City: CHATSWOETH

State: IL

Zip: 60921

Date completed: OCTOBER 2012

Total cost of project (exclusive of land): \$120,963.00 SIP WALLS & WOOD ROOF TRUSS COMPONENTS

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

80' W x 140' x 19' 11"

Asking price/purchase price (Affordable Housing only):

Total sq. ft. of conditioned space: 11,200 SQ. FT.

BUILT BY (if different than applicant)

Company Name: CONSOLIDATED BUILDING CENTER

Contact Name: RON SCHAEFFER

Phone: 815.657.8903

Address: 610 S. CENTER STREET

City: FOREST

State: IL

Zip: 61741

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: CONSOLIDATED BUILDING CENTER
Contact Name: TOM SCHAEFFER Phone: _____
Address: 610 S. CONNER STREET
City: FOREST State: IL Zip: 61741

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: McKEAL FARMS Corporate Location.

- McKEAL AGRICULTURE EQUIPMENT
- McKEAL FARMS SHOP
- McKEAL TRANSPORTATION TRUCK WASH

How did SIP construction help you get this job? ENERGY EFFICIENCY - REDUCED INVESTMENT.

- STRUCTURAL DURABILITY AND MOISTURE RESISTANT CONSTRUCTION.
- ENERGY EFFICIENCY WITH FOR MULTIPLE USE GROUP FACILITIES
- CONTINUOUS INSULATION WITH EPS TILT UP CONSTRUCTION.
- STRUCTURAL DIAPHRAGM ENGINEERING PROVIDED BY CONSOLIDATED BUILDING SYSTEMS
- CONSOLIDATED BUILDING SYSTEMS PROJECT MANAGEMENT AND SITE SUPERVISION AND INSTALLATION BEST PRACTICES PROVIDES FOR GROUP REFERRALS

SIP wall thickness and core material: 7 3/8" EPS WALL CAVITY

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?

- INTEGRATION WITH POWER LIFT HYDRAULIC DOORS.
- PRE-ENGINEERED BUILDING SERVICES PROVIDED BY ENERGY PANEL STRUCTURES

Describe any innovative design elements or structural engineering involved:

- HYDRAULIC DOOR MECHANISMS WITH 3-PLY 2x6 machine bolted to top and bottom of roof truss chords
- ROOF TRUSS ENGINEERING AND STRUCTURAL DIAPHRAGM DESIGN INTEGRATION WITH COMMERCIAL STRUCTURAL INSULATED PANEL SYSTEMS
- INSTALLATION DRAWINGS AND ENGINEERING DETAILS PER IBC, 2009 BUILDING CODES.
- CCV INTERIOR LINER PANEL FOR OFFICE AREA.

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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:

HERS Index (residential projects): SEE ATTACHED EXCEL ENERGY ANALYSIS.

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

Energy use intensity in kBtu/ft² (commercial projects): RADIANT FLOOR #4,343.13 - 60% LESS THAN PAST FRAME.

Describe the HVAC system used on the project:

- RADIANT FLOOR HEAT 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.

- HANFIELD INSULATED VINYL WINDOWS - FOAM INSULATED JAMB - 32 U-VALUE LOWE.
- ATI INSULATED SERVICE DOORS ^{INSULATED JAMBS} AND INSULATED OVERHEAD DOORS
- SPRAY FOAMED HYDRAULIC DOORS - POWER LIFT DOORS.
- HOUSEWRAP INSTALLED ON EXTERIOR OF WALLS FOR MOISTURE MANAGEMENT & AIR WATER VAPOR.

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

RADIANT WATER HEAT SLAB-FLOOR SYSTEM

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.:

Any additional comments on the project:

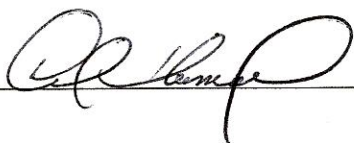
REVIEW ATTACHED WORD FILE FOR EXECUTIVE PROJECT SUMMARY

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:

3-4-2013

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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