

SIPA Building Excellence Application (Page 1 of 4)



PARTICIPANT INFORMATION

Company Name: Extreme Panel Tech., Inc.

Contact Name: Josh Fragodt/Don Jahnke

Address: P.O. Box 435

City: Cottonwood

State: MN

Zip: 56229

Phone: 800-977-2635

Email: josh@extremepanel.com/don@extremepanel.com

Website: extremepanel.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: Fridolfson United Hardware Retail/Warehouse

Address: 1700 13th Street N

City: Humboldt

State: IA

Zip: 50548

Date completed: 2015

Total cost of project (exclusive of land):

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

80x60x18' + 80x140x12'

Asking price/purchase price (Affordable Housing only):

Total sq. ft. of conditioned space:

16,000 sq. ft.

BUILT BY (if different than applicant)

Company Name: Berte & Son Construction LTD

Contact Name: Jeff Berte

Phone: 515-332-4800

Address: 1307 19th Street N

City: Humboldt

State: IA

Zip: 50548

PANELS MANUFACTURED BY (members only)

Company Name: Extreme Panel Tech., Inc.

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

Company Name: Virtual Architect LLC

Contact Name: Ed Staelens

Phone: 218-590-5123

Address: 109 5th Ave. N

City: Strum

State: WI

Zip: 54770

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:

Retail Store & HVAC Shop/Warehouse

How did SIP construction help you get this job?

Speed of construction/energy efficiency

SIP wall thickness and core material:

8" Wall Panels

SIP roof thickness and core material:

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

Designed as a zero energy building from the start. The owner did extensive research on building enclosures and determined that SIPs were the best option.

Describe any innovative design elements or structural engineering involved:

The site was a brownfield chosen with a 70' deep pond on-site for the geothermal loop

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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):

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

.96 ACH50 with 6 Garage Doors

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

5 BTU/ft²

Describe the HVAC system used on the project:

Prototype modulating geothermal system tied to radiant in-floor and over ducted AC. The system has R15 under the entire slab and down the frost walls to thermally uncouple the slab, and extensive air sealing in the attic space.

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.

For safety, there is a snow-melt system that will engage when the building is in a surplus energy time.

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

All lighting, inside and out, is LED on motion sensors

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

It has a 40 KW solar PV array on the south roof

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

Zero Energy

Any additional comments on the project:

CHECKLIST

- ☐ **XX** 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: 2/29/2016

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



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