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PARTICIPANT INFORMATION

Company Name: Extreme Panel Tech., Inc.

Contact Name: Josh Fragodt

Address: P.O. Box 435

City: Cottonwood State: MN Zip: 56229

Phone: 800-977-2635

Email: josh@extremepanel.com Website: extremepanel.com

CATEGORY ENTRY (check one category)

- XX** 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: Dunn Residence

Address: 1010 Lake Shore Drive

City: Sauk Centre State: MN Zip: 56378

Date completed: 2015

Total cost of project (exclusive of land):

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

Asking price/purchase price (Affordable Housing only):

Total sq. ft. of conditioned space:
4,417 sq. ft.

BUILT BY (if different than applicant)

Company Name: Aspen Building & Design LLC

Contact Name: Jamie Aho Phone: 218-640-0046

Address: 10878 170th Street

City: Wadena State: MN Zip: 56482

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: _____

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:

Single Family Home

How did SIP construction help you get this job?

"We were looking to build an energy efficient home. After talking with several other people who had built using SIP construction and researching various construction methods, we decided that SIP construction was the best fit for our home."

SIP wall thickness and core material:

6" Wall Panels, 8" Floor Panels

SIP roof thickness and core material:

12" Roof Panels

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

"Building with SIPs generated significantly less onsite construction waste while framing our home when compared to building a house using conventional framing especially since all of the window & door openings were precut at the factory. This left only minor trim work needing completion onsite. Building with SIPs did increase our material costs compared to conventional framing. However, we recouped a good portion of that cost through decreased labor costs. The exterior of our house was completely framed in 19 calendar days. The was significantly faster than if we had used conventional framing. Finally, due to the extremely tight envelope that SIPs give our house, we are enjoying very low heating and cooling bills. As utility costs rise, we will save thousands of dollars in monthly utility bills over the left of our home – thanks to our SIP panels."

Describe any innovative design elements or structural engineering involved:

"By using SIP construction for the walls and roof, we were able to add several unique design elements to the interior of our home. The mudroom connecting our garage to the house has a vaulted, bead board ceiling with exposed wood beam and decorative pendant bar lights. Within this space, we created a 10x15 ft. lofted play area for our kids. This area is only accessible by a custom fabricated ladder attached to a nook in the mudroom wall. The kids use it all the time to play video games, watch TV, read & have sleepovers. The 2nd floor staircase is a visual focal piece for our home with its open railing, vaulted ceiling, exposed wood beam and antique ceiling fan. With all of the bedrooms on the 2nd floor of our house, they each have a unique vaulted ceiling giving them unique architectural details that wouldn't exist if we had used traditional roof trusses. The master bedroom has two unique features thanks to SIP construction. Within the master closet, we created an additional 8x5 ft closet by reclaiming space originally intended to be filled with roof trusses. Finally, we used the vaulted ceiling in our master bathroom to create a unique space for a soaking tub and custom chandelier."

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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):39

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

.69

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

Describe the HVAC system used on the project:

1. Heating/Cooling
 - a. Geothermal unit: GeoComfort GTX 060
 - b. Forced air system with fully taped & sealed ductwork
2. Ventilation
 - a. HVR system: American Aldes E215-TR ERV
 - b. Ventilation system is completely independent from the geothermal forced air ductwork
 - c. Independent zone register terminals in all bathrooms connect directly to HRV system ductwork
 1. Bathroom fans don't vent directly outside eliminating additional holes in the house envelope
 - d. Only two holes in the house envelope – 1 intake and 1 exhaust

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.

Foundation: Nudura ICF foundation (R-24 with thermal mass properties up to R-50)

Windows: Anderson 400 series (U value 0.26)

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

NORA LED lighting used for all interior & exterior recessed can lighting

Cree LED light bulbs used for all non-recessed lighting applications

GeoComfort GTX060 unit has a desuperheater that provides all hot water for the home during the summer months by capturing heat removed from the air while A/C is running

Energy Star Dishwasher – Bosch 500 Series

Energy Star Washing Machine – Maytag Maxima MHW7000

Programable Thermostat – Honeywell THX9421R5021

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.:

Landscaping was done by a local nursery using reclaimed boulders for the retaining walls and wood chips mulch.

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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