



High Performance Project



New Dale Hutterian Brethren

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Participant information
Extreme Panel Technologies, Inc.
Josh Fragodt
PO Box 435
Cottonwood, MN 56229

Phone: 800-977-2635
Email Address: josh@extremepanel.com
Website: www.extremepanel.com

Category
Multifamily

High Performance: Yes

Project information
New Dale Hutterian Brethren, Inc.
21336 484th Ave
Elkton, SD 57026

Date Completed: August 2018

Total cost of project (exclusive of land): \$750,000

Dimensions of building (all floors of multi-story building):
50' x 100' - 2 Levels

Asking price/purchase price (Affordable Housing only): n/a

Total sq. ft. of conditioned space: 10,000 sq ft

Built By (if different than applicant)
Construction Partners
Mike Dandar
103 Grant St
Lake Benton, MN 56149
Phone: 877-805-1789

Panels Manufactured By
Company Name (members only): Extreme Panel Technologies, Inc.



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Designed By (if different than applicant - SIPA will only recognize members)

Virtual Architec

Ed Staelens

PO Box 435

Strum, WI 54770

Describe the end use of the building: Used as Multi-Family

How did SIP construction help you get this job? Performance

Speed of Construction

Strength during storms--because of a high water table, a slab on grade was the only option.

SIP wall thickness and core material: 6 1/2" Walls (EPS Foam)

SIP roof thickness and core material: 12 1/4" Roof (EPS Foam)

Describe the benefits of using SIPs on this project. Did SIPs help save time, labor, construction costs, or energy? SIPs helped save time and allowed them to build through last winter for a mid summer move in. Also, energy savings was a big reason for the choice in this high performance building.

Describe any innovative design elements or structural engineering involved: TWe used an Extreme Foundation System along with multiple beams to support the roof. It has open vaulted ceilings and more storage was also created.

Please list any certifications the project received, such as ENERGY STAR, LEED, National Green Building Standard, WELL, Passive House, Green Globes or local green building programs. Only list certifications that are completed:

Energy Star Appliances, Full Geo System, Radiant In-Floor Heat

HERS Index (required only for High Performance Category and recommended for residential projects): 23 Hers Index

Blower door test results (ACH50) (required only for High Performance Category and recommended for residential projects): 0.10ACH50

Energy use intensity in kBtu/ft2 (required only for High Performance Category and recommended for commercial projects):n/a

Describe the HVAC system used on the project: Full Geo System for heating and cooling

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Describe any other energy-saving materials used in the building envelope other than SIPs. List U-values of windows used and the U or R-value of any insulation materials. (judged only for High Performance Category):

R-24 Walls (EPS Foam)

R-49 Roof (EPS Foam)

R-32 Foundation (EPS Foam)

Window U-Value = .25 Low E Windows

Please list any energy-efficient products or design features, such as lighting, hot water heating, appliances, passive solar (judged only for High Performance Category): On Demand Water Heater

LED Lights

Energy Star Appliances

Geo System

Were any solar panels installed on the project? If so, indicate the size of the system (judged only for High Performance Category): No

Please list any sustainable materials or design features not listed above, such as recycled materials, low-VOC finishes, landscaping, etc. (judged only for High Performance Category): n/a

Any additional comments on the project: n/a

Front view

New Dale Hutterian Brethren







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