



Klosterman Lake Home

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Participant information
Aspen Building and Design, LLC
Jamie Aho
10878 170th St
Wadena, MN 56482

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Category
Single Family Homes (over 3,000 sq. ft.)

High Performance: No

Project information
Klosterman Lake Home
28926 Co. Hwy 145
Battle Lake, MN 56515

Date Completed: August 2018

Total cost of project (exclusive of land): \$485,000

Dimensions of building (all floors of multi-story building):
32'X42', 16'X16', 28'X28' garage

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

Total sq. ft. of conditioned space: 3,141 sq. ft.

Built By (if different than applicant)
Aspen Building and Design, LLC
10878 170th St
Wadena, MN 56482

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



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

Aspen Building and Design, LLC

10878 170th St

Wadena, MN 56482

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Total sq. ft. of conditioned space: 3,141 sq. ft.

Describe the end use of the building: Family lake home, vacation home.

How did SIP construction help you get this job? The owner of the home had seen SIP panels some time ago. He knew he was going to be looking at building a new lake home in the near future. Approximately 4 years ago the owner inquired at a local lumberyard of any SIP builders. I am one of the few in the area, so he was given my name. I met with him and worked on his then current lake home getting it ready to sell. He quizzed me about SIP panels and my company and we finished up and that was that. Fast forward till 2017 and the owner contacted me again and said he is looking to build a new home. The owner had a floor plan that came in over desired budget, so I offered up my design services and used my SIP knowledge.

SIP wall thickness and core material: 6"

SIP roof thickness and core material: 12"

Describe the benefits of using SIPs on this project. Did SIPs help save time, labor, construction costs, or energy? SIP panels were ideal on this project for many reasons. One major reason was we didn't start installing the panels until a cold January day. A short time later we had the main structure up and windows and doors installed and we were able to install a small gas heater and we had instant comfort. The sub contractors on the job were delighted to have a heated house to install all of the utilities. The owner was really excited of the speed of the insulated structure being put up so fast and his heating costs during construction would be very minimal as compared to stick framing a home. The drywall installer was also impressed with how straight and square SIP panel houses are. He did say in the thousands of houses he has worked on that it was one straightest houses he has ever worked on. I would attribute mostly to SIPs.

Describe any innovative design elements or structural engineering involved: n/a

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: n/a

HERS Index (required only for High Performance Category and recommended for residential projects): n/a

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

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: Forced air Natural Gas furnace with air conditioner and 2 head mini split system in garage and bonus room above garage.

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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) n/a

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

Were any solar panels installed on the project? If so, indicate the size of the system (judged only for High Performance Category): n/a

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

Exterior front

Klosterman Lake Home



Exterior rear

Klosterman Lake Home



Kitchen

Klosterman Lake Home







