

NEW High Performance Consideration



Single Family Homes - <u>under</u> 3,000 sqft – High Performance

Participant information

Energy Panel Structures

Lee Bergum

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

High Performance: Yes

Project information

Lutsen Residence Lutsen, MN 55612

Date Completed: 04/30/2017

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

28' x 34'

Total sq. ft. of conditioned space: 1,700 sqft

Built By (if different than applicant)

Dave Vessel 9206 Birch Lake Road Ely, MN 55431

Panels Manufactured By: Energy Panel Structures

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

Energy Panel Structures 603 N. Van Gordon Avenue Graettinger, IA 51342

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Lutsen Residence



Describe the HVAC system used on the project:

In-floor heat with gas boiler air exchanger

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)

Marvin Windows U-27

Low - E

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

LED lighting

Any additional comments on the project:

Very energy efficient cabin. Last year's heating cost was \$400.00 for the year! An average of \$33.00 per month, for Northern Minnesota that is very good!

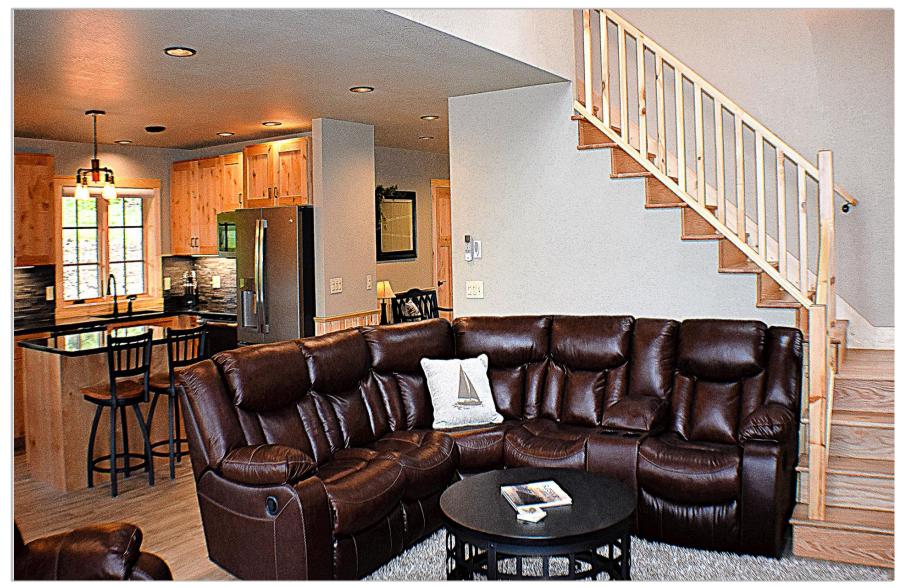
Side view





Living area





Rear view





Front view





Front view



