



Noble RV

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Participant information

Mohs Contracting

Scott Mohs

1204 1st Ave NE

Owatonna, MN 55060

Phone: 507-446-0023

Email Address: smohs@mohscontracting.com

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Category

Commercial/Industrial/Institutional Buildings under 10,000 sq. ft.

High Performance: No

Project information

Nobles RV

1260 Lake ShadyAve South

Oronoco, MN 55960

Date Completed: February 2018

Total cost of project (exclusive of land): \$1,830,000

Dimensions of building (all floors of multi-story building): 55 x 104 Sip Shop
24 x 55 Sip parts shop

Total sq. ft. of conditioned space: 9,920 sq. ft.

Built By (if different than applicant)

Mohs Contracting

1204 1st Ave NE

Owatonna, MN 55060

Panels Manufactured By

Company Name (members only):

Energy Panel Structures, Inc.





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

Design Connection

Aaron Thompson

1204 1st Ave NE

Kasson, MN 55944

Total sq. ft. of conditioned space: 9,920 sq. ft.

Describe the end use of the building: Noble Rv is a 4 bay sq. ft. RV maintenance shop, 1300 sq. ft. of parts and service desk, with a 2900 sq. ft. office and customer service area

How did SIP construction help you get this job? Timeline to build was tight do to a fall start , with the SIP panels, we were able to construct the building faster and keep our winter heating cost lower do to the insulated panels. This allowed the subs to start sooner and work in a warmer environment, thus enabling the entire project to be completed ahead of schedule. Owner was very interested in the long term energy savings as well as the durability of the building. Win-win for all parties involved.

SIP wall thickness and core material: 8" wall R-33

SIP roof thickness and core material: N/A Roof Trusses

Describe the benefits of using SIPs on this project. Did SIPs help save time, labor, construction costs, or energy? Quicker Install, Better working conditions for the winter Long term energy savings

Sound reduction as well as quieter, especially between the shop and offices with SIPs we did finish ahead of schedule

Drywall installers lover the straight walls as well as being able to fasten anywhere on the panel

Describe any innovative design elements or structural engineering involved: Fully engineered structure with all pre-cut openings made a huge difference

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

Describe the HVAC system used on the project: 50 gallon direct vent water heater

GAs In floor radiant heat with make up furnace in the service shop, LED lighting through out building

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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) Low E argon filled glass U factor 28

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 throughout the facility

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): Low VOC paints
Concrete stained floors with in floor heat
Stone wainscot, steel maintenance free exterior

Any additional comments on the project: Commercial structure which performs like a house, cozy, air tight and quiet, while being durable and sustainable

Exterior front view

Noble RV



Interior view

Noble RV



Interior view

Noble RV



Interior shop view

Noble RV



