



7



Tholke Residence

Tholke Residence



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

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

High Performance: No

Project information

Tholke Residence

5259 Cty Rd 4

Atwater, MN 56209

Date Completed: February 2018

Total cost of project (exclusive of land): \$600,000

Dimensions of building (all floors of multi-story building): Slab on Grade - 2 Stories

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

Total sq. ft. of conditioned space: 3,500 Sq. Ft

Built By (if different than applicant)

Aspen Building and Design, LLC

Jamie Aho

10878 170th St

Wadena, MN 56482

Panels Manufactured By

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



Tholke Residence



Designed By (if different than applicant - SIPA will only recognize members)
Extreme Panel Technologies, Inc.
PO Box 435
Cottonwood, MN 56229

Total sq. ft. of conditioned space: 3,500 Sq. Ft

Please answer each question with as much detail as possible to help in the judging process.

Describe the end use of the building: New Residential Home

How did SIP construction help you get this job? Home owner likes the energy efficiency, the strength, Healthy System, High Wind Area

SIP wall thickness and core material: 6 1/2" Walls

SIP roof thickness and core material: 12 1/4" Roof

Describe the benefits of using SIPs on this project. Did SIPs help save time, labor, construction costs, or energy? The complexity of the design helped home owner and builder decide labor saving and construction costs would be less with the panels.

Describe any innovative design elements or structural engineering involved: Bonus Room Above Garage, Architectural Grade Beams

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): 0.54ACH50

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: Radiant In-Floor Heat, Mini Splits, Furnace

Tholke Residence



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: The first contractor involved said using Extreme Panels would be 30% higher than stick building with spray foam. I requested an experience SIP contractor 90 miles away put numbers together and he was within 2% of the estimate for the house built with sticks and spray foam. The main reason the contractor was able to estimate the package so closely is he looks at the panels as a system and not just a component. This was an easy sell to the homeowner from that point forward. Almost the same cost to build the house and huge energy savings once it is built.

Exterior rear

Tholke Residence



Exterior rear

Tholke Residence



Exterior front

Tholke Residence



Exterior rear

Tholke Residence



Exterior rear

Tholke Residence



