

AFTON PASSIVE HOUSE

Building Type.....Residential
Location.....Afton, MN

Size.....4,200 sq. ft.
Year Built.....2016

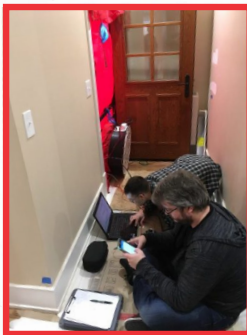
Design Highlights

This home is designed to PHIUS Passive Home standards, perhaps the most rigorous construction sustainability standard there is. Logix Platinum Series ICFs were specified and additional R-value was provided with 2" and 4" foam inserts. 48" of insulation was specified for the roof and 12" of geofoam insulates the slab.



Construction Facts

Footings were wrapped and keyways were installed. Lower level walls feature an 8" concrete core with 6" cores in the above-grade walls. Windows were inserted 5" back from the outside of the wall and R-14 doors were specified.



Resilience, Sustainability & Comfort Notes

- This home achieved a blower door test rating of .39 ACH/HR (12x better than prevailing local codes) and was awarded an incredible HERS Rating of 9. This home was sized for a 30,000 BTU system which is 1/5 of the typical requirement for a home of this size.
- "The Afton Passive house is a great example of a super-efficient house that can be built with Logix blocks. The Logix support staff teamed up with architects, contractors and ourselves to assure this home's completion to our satisfaction."
- - MICHAEL AND BARBARA M., OWNERS

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