

New Construction in Minnesota

Rice, MN

Before this project came into fruition, these homeowners knew they wanted to build their forever home. After research on different types of energy efficient HVAC systems, they decided to include a geothermal heating and cooling unit into their home. After meeting with H&S Geothermal, it was clear a Hydron Module system would be a perfect solution due to its lifespan, 22-25 years (or more), loop lifespan of 100 years plus, and high-efficiency ratings. The homeowners were excited for cost-savings on utility bills, fewer maintenance needs, and the ability to include radiant in-floor heating in the house and garage.

Unique Features

Unique Features (200 words or less): With careful design specifications from the homeowner's blueprints, H&S Geothermal was able to design the hydronic geothermal heating and cooling system around the home's features and layout that included radiant in-floor heating in the house and garage, as well as forced air cooling. Along with these energy-saving systems, the homeowners have also installed all LED lighting and a smart home thermostat.

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PROJECT DETAILS

Building Size:	2432 sq. ft. home, 1,596 sq. ft. garage, and 588 sq. ft. room above garage
Loop Type:	Horizontal
Geothermal Equipment:	Revolution WS/WD
Additional Accessories:	abc
Installation Date:	1/29/2020
Efficiency Features:	LED Lighting, Smart Home Thermostat
Contractor / Installer:	H&S Welding, Heating, A/C, and Geothermal – geothermal and loop installation
Builder:	Bravo Homes
Savings:	Average yearly heating and cooling savings: \$3,947*

These homeowners have a 7-year payback period, with a 14.2% ROI on the geothermal system

* When compared to a standard furnace and A/C System

-  CONSTRUCTION TYPE
New Construction
-  APPLICATION TYPE
Forced Air System
-  SYSTEM TYPE
Radiant System
-  LOOP TYPE
Horizontal Loop

