



# Johnson Residence, Afton, MN

## Project Information:

- Afton, MN, USA
- **Project Name:**
- **Project Size:** 4,593 sq. ft.
- **Year Completed:** 2020

## Project Highlights

- Project highlights
  - Slab-on-grade construction
  - Total area under roof: 4,593 sq. ft.
  - 100,000 Btu/hr heating load | R-40 ceiling, R20 walls, R10 floor
  - Radiant installation: Staple down for both the home and the garage
  - Plumbing installation: Trunk and branch
  - Well system uses a booster pump to generate water pressure of 60 psi
  - Recirculation line installed with a recirculation pump to reduce hot-water delivery times, eliminate water waste, and prevent water stagnation
  - All hot-water and recirculation lines insulated to meet ASHRAE 90.1

## Products used

- Plumbing: 800 feet of Uponor AquaPEX® ranging from ½" to 1¼" with 148 fittings featuring Uponor ProPEX® connection system
- Radiant heating: 5,462 feet of Wirsbo hePEX™ | 186 fittings | 7 stainless-steel manifolds controlling 27 heating circuits

XXXXXXXXXXXX XX XXXXXXX

XXXXXX

USA

XXXXXXXXXXXX

2020

XX XX XXXXXXX

XXXX XXXXXXX

XX XXXXXXX

XXXXXXXXXXXX XXXXXXX