



### Project Facts:

- Afton, MN, USA
- Single homes
- Floor space: 4,593 sq. ft.
- Completion: 2020

### Uponor involvement

- 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

## Project Information

**Country**

USA

**Completion**

2020

**Project Type**

New building

**Building Type**

Single homes