

Cold Climate, Custom Home

Fireside Home Construction

Years in business: 9
Average units per year: 6
Member: HBA of Washtenaw County

House Description

Size: 7,000 s.f.
Location: Dexter, Mich.
Construction cost: \$185 per s.f.

According to the EVHA judges, Fireside Home Construction is a very dedicated builder that has a good focus on energy efficiency. This focus is reflected in their mission statement, “...to build premium quality timber frame, custom homes for customers who seek high quality, energy efficient, and sustainable housing.”



The company is so committed to the concepts and techniques of energy efficient home building that they own their own duct

Energy Features

Foundation: R-7.5 under-slab insulation; R-21 spray foam basement wall insulation
Wall construction: R-25 structural insulated panels
Roof construction: R-43 structural insulated panels
Windows: Double pane, low-e, gas filled; U-0.28; SHGC 0.43
HVAC: Geothermal heat pump COP3.7/14.1 SEER; 80% efficient heat recovery ventilator
Ducts: 100% in conditioned space; sealed with mastic
Water heating: Electric water heater with geothermal preheat
Appliances: ENERGY STAR-labeled refrigerator, washer, and dishwasher
Blower door test: 1.7 ACH50
HERS rating: 90.3
Innovative features: Zoned HVAC system; thermal break between basement concrete slab; ground and exterior basement walls; rotary timer for exhaust ventilation (through HRV) in kitchen and baths

testing equipment to ensure their ducts, which are always located in conditioned space, are sealed tightly, and deliver the right amount of conditioned air to each room. They also brought their HVAC installer to the Energy and Environmental Building Association (EEBA) annual conference.

Fireside Home Construction would like to thank:

- Mark Allor
- Cheryl Glaser
- Riverbend Timberframing
- Insulspan
- J.D. Laundra Foundations
- Michigan Energy Services
- Unique Electric
- Roberts Plumbing
- Fireside Hearth & Home

Moderate Climate, Affordable Home

Chisholm Creek Development, LLC

Years in business: 11
Average homes built per year: 15
Member: Enid HBA

House Description

Size: 1,512 s.f.
Location: Enid, Okla.
Construction cost: \$66 per s.f.

The EVHA judges were impressed by Chisholm Creek Development’s “exceptional dedication to building energy-efficient homes” which includes numerous advanced systems—such as geothermal heating, cooling, and water heating—not often found in affordable homes.

