



Knaggs Construction

Minden House | Kearney, NE | KnaggsConstruction.com



Photos courtesy of Knaggs Construction

"We have fallen in love with our new, very comfortable home." *Home owner*



PROJECT DATA

- **Layout:** 7 bdrm, 4.5 bath, 1 fl + bsmt, 4,566 ft²
- **Climate:** IECC 5A, cold
- **Completed:** May 2016
- **Category:** custom for buyer

MODELED PERFORMANCE DATA

- **HERS Index:** without PV 35
- **Projected Annual Energy Costs:** without PV \$1,545
- **Projected Annual Energy Cost Savings:** (vs home built to 2009 IECC) without PV \$1,859
- **Annual Energy Savings:** without PV 26,073 kWh

KEY FEATURES

- **Walls:** 2x6, 24 o.c., 5.5" R-23.5 dense-packed fiberglass, .5" OSB, house wrap, engineered wood siding.
- **Roof:** Engineered trusses, raised heel, synthetic felt, ridge vents, composite shingles.
- **Attic:** Vented with R-44 14" blown cellulose, OSB baffles sealed to top plates.
- **Foundation:** Basement with concrete footings poured in stay-in-place plastic drain pipe forms, concrete walls, R-4.5 blown fiberglass behind 2x4 16" o.c. walls with R-19 cavity insulation.
- **Windows:** Dual-pane, low-e, argon-filled, U=0.27, SHGC=0.21.
- **Air Sealing:** <1 ACH 50.
- **Ventilation:** ERV, MERV 12 filter, bath exhaust fans.
- **HVAC:** Ground source heat pump, 5.1 COP, 24 EER, all ducts inside.
- **Hot Water:** 80-gal heat pump water heater, 2.33 COP.
- **Lighting:** 90% LED, 10% CFL.
- **Appliances:** ENERGY STAR refrigerator, dishwasher, clothes washer and dryer.
- **Solar:** None.
- **Water Conservation:** Water heater centrally located, low-flow fixtures.
- **Energy Management System:** Internet-controlled thermostat and water heater.
- **Other:** Low-VOC paints, CRI green-labeled carpet.

CONTACT

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