



SummitRidge Custom Homes

Rock Ranch | Pine, CO | SummitRidgeCustomHomes.com



Photos courtesy of SummitRidge Custom Homes

“It is tremendously comfortable for us to be in a DOE Zero Energy Ready Home.” Homeowners



PROJECT DATA

- **Layout:** 3 bdrm, 3 bath, 1 fl + bsmt, 4,330 ft²
- **Climate:** IECC 5B, cold
- **Completed:** July 2022
- **Category:** Custom for Buyer

MODELED PERFORMANCE DATA

- **HERS Index:** without PV 51
- **Annual Energy Costs:** without PV \$1,650
- **Annual Energy Cost Savings:** (vs typical new homes) without PV \$2,250
- **Annual Energy Savings:** without PV 5,300 kWh
- **Savings in the First 30 Years:** without PV \$91,650

KEY FEATURES

- **Walls:** 2x6, 16" o.c., R-30 total: advanced framed; blown fiberglass, coated OSB with adhered R-6 rigid foam, all seams tapes. Composite siding and stone cladding.
- **Roof:** Truss gable roof, 7/16" coated OSB, synthetic underlayment, standing seam metal roofing.
- **Attic:** Vented attic, 19" R-50 blown fiberglass, 12" raised heel trusses.
- **Foundation:** Insulated basement with poured concrete.
- **Windows:** Double-pane; U=0.27, SHGC=0.15, LoE-366 & LoE-i89 coatings, argon-fill. Extruded aluminum frame with vinyl nail flange and wood interior trim. Fixed awnings, overhangs, and interior motorized blinds that adjust for sun.
- **Air Sealing:** 1.24 ACH50, tape or liquid flashed all seams and any overdriven nails. Air barrier membrane stretched from exterior sheathing, over top plate, to ceiling drywall and sealed with two beads of drywall sealant. Aerosolized acrylic whole-house sealant.
- **Ventilation:** ERV integrated with central HVAC. Dampened fresh air intake in kitchen electronically tied to kitchen exhaust fan.
- **HVAC:** Gas furnace, 96.3 AFUE, SEER 13 AC. Integrated ERV and humidifier.
- **Hot Water:** Gas water heater, 50-gallon tank, 0.72 COP. Recirculation pump, push button.
- **Lighting and Appliances:** LED lighting, ENERGY STAR appliances.
- **Solar:** None installed, prewired to ground array of 11 kW.
- **Energy Management System:** Automatic smart blinds. Smart thermostat.
- **Other:** Used onsite rock for retaining wall and crushed rock. EV charger.

CONTACT

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