



Garbett Construction

Axis at Millcreek | Millcreek, UT | GarbettHomes.com



Photos courtesy of Garbett Construction

Over the years we have found ways to get the highest effectiveness from readily available technologies." *Garbett Construction*



PROJECT DATA

- **Layout:** 3 bdrm, 2.5 bath, 3 fl, 1,722 ft²
- **Climate:** IECC 5B, cold
- **Completed:** February 2024
- **Category:** Production

MODELED PERFORMANCE DATA

- **ERI:** without PV 50; with PV 39
- **Annual Energy Costs:** without PV \$1,100; with PV \$850
- **Annual Energy Cost Savings:** (versus typical new homes) without PV \$1,650; with PV \$1,900
- **Annual Energy Savings:** without PV 2,110 kWh; with PV 4,513 kWh
- **Savings in the First 30 Years:** without PV \$69,650; with PV \$80,400

CONTACT

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KEY FEATURES

- **Walls:** 2x6 24" o.c. + 1" XPS, R-28.1 total: advanced framed, R-23.1 blown-in fiberglass, 7/16" OSB sheathing, house wrap, 1" XPS rigid insulation, stucco, brick, and other cladding.
- **Roof:** Gable truss roof, 7/16" OSB sheathing, roof felt, asphalt shingles.
- **Attic:** Unvented, vaulted ceilings, 16" R-60 blown-in fiberglass on attic floor, 12" raised-heel energy truss.
- **Foundation:** Slab on grade poured concrete, R-10 insulation below slab. Floor joists filled with 12" R-38 blown-in fiberglass insulation. Rim joists filled with spray foam.
- **Windows:** Double-pane windows, U=0.25, SHGC=0.29.
- **Air Sealing:** 2.70 ACH50; spray foam over all top plates; canned foam at all electric boxes, at stud bays on exterior walls with stairs. Acoustical sealant at top and bottom plate of party walls.
- **Ventilation:** ERV.
- **HVAC:** Central air-source heat pump, 10.5 HSPF, 18 SEER. Metal and flex ducts; all ducts in conditioned space.
- **Hot Water:** Heat pump water heater, 50-gal, 3.88 COP. Demand recirculation.
- **Lighting and Appliances:** ENERGY STAR appliances.
- **Solar:** 1.6 kW, no battery.
- **Energy Management System:** PV energy production monitored through an app.
- **Other:** All-electric home. PV standard in some communities. Xeriscaping. Homeowner manual. This production and multifamily home builder is committed to 100% Zero Energy Ready certification on all homes.

