



Garbett Construction

Skyscape at Silver Creek Village | Park City, UT | GarbettHomes.com



Photos courtesy of Garbett Construction

“There is the satisfaction that comes from building energy-efficient, high-performance homes.” *Builder*



PROJECT DATA

- **Layout:** 3 bdrm, 3 bath, 3 fls, 1,763 ft²
- **Climate:** IECC 6B, cold
- **Completed:** October 2020
- **Category:** Attached Housing

MODELED PERFORMANCE DATA

- **HERS Index:** without PV 45;
- **Annual Energy Costs:** without PV \$700
- **Annual Energy Cost Savings:** (vs typical new homes) without PV \$300
- **Annual Energy Savings:** without PV 600 kWh, 300 Therms
- **Savings in the First 30 Years:** without PV \$11,200

KEY FEATURES

- **Walls:** 2x6, 24" o.c., panelized, R-23 total: advance framed, 5.5" blown fiberglass in cavity, 7/16" OSB, house wrap, 20-gauge stucco netting, 3/8" cement base coat stucco.
- **Roof:** Truss gabled roof & shed roofs: 1/2 gypsum board, roof trusses, 16" R-60 blown-in fiberglass insulation, 7/16" OSB sheathing, #15 roof felt, asphalt shingles.
- **Attic:** 16", R-60 blown-in fiberglass, 12" raised-heel energy trusses.
- **Foundation:** Slab on grade: R-10 insulation under slab perimeter. Floor joist cavities above unconditioned spaces filled with dense-packed 12" R-49 blown fiberglass.
- **Windows:** Double-pane, low-e, vinyl frame; fixed, single-hung, sliding styles, U=0.27, SHGC=0.30-0.35 (depends on what direction the windows are facing).
- **Air Sealing:** 3.0 ACH50. Closed-cell spray foam at rim joists, mud sills (<3"), top plates, cantilevers (< 5"), attic raised heels (<2"); drywall gasket at subfloor to bottom plate.
- **Ventilation:** ERV with MERV 8 filter at the air handler, 1.75 CFM/Watt, 66 ASRE, 36 ATRE.
- **HVAC:** Gas furnace, 97 AFUE, 13 SEER AC, rigid metal, ducts in conditioned space.
- **Hot Water:** Gas tankless 0.97 UEF.
- **Lighting:** 100% LED.
- **Appliances:** ENERGY STAR refrigerator, dishwasher, front-load washer.
- **Solar:** Solar ready.
- **Water Conservation:** Low-flow fixtures, hot water recirculation pump, drip irrigation.
- **Energy Management System:** Programmable thermostat.
- **Other:** EV charging, low/no-VOC wood products, paints, finishes, carpet pad and glue.

CONTACT

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