



# Philgreen Construction

Revive Properties | Fort Collins, CO | PhilgreenCo.com



Photos courtesy of Revive Properties

"We are always comfortable, with little in the way of temperature adjustment. It is also very quiet and efficient." Home owner



## PROJECT DATA

- **Layout:** 3 bdrm, 3 bath, 2 fl, 2,296 ft<sup>2</sup>
- **Climate:** IECC 5B, cold
- **Completed:** January 2017
- **Category:** production

### MODELED PERFORMANCE DATA

- **HERS Index:** without PV 41 with PV -5
- **Projected Annual Energy Costs:** without PV \$1,250, with PV \$-80
- **Projected Annual Energy Cost Savings:** (vs typical new homes) without PV \$900, with PV \$2,250
- **Annual Energy Savings:** without PV 10,800 kWh, with PV 26,200 kWh

## KEY FEATURES

- **Walls:** R-23 blown fiberglass in exterior walls, R-13 blown cellulose in party walls, R-20 open-cell spray foam in rim joist.
- **Roof:** 7/16" OSB sheathing, ice-and-water shield, drip edge, asphalt shingles.
- **Attic:** R-49 open-cell foam in vaulted ceilings.
- **Foundation:** Slab-on-grade, 2" R-10 closed-cell spray foam under slab, R-10 EPS slab edge.
- **Windows:** Double-pane, vinyl-framed, low-e, argon-filled windows, U=0.29, SHGC =0.17.
- **Air Sealing:** 1.21 ACH 50.
- **Ventilation:** ERV.
- **HVAC:** Ground-source heat pump, 3.8 COP, 18.7 EER.
- **Hot Water:** Air-source heat pump 50-gal water heater, 2.45 EF.
- **Lighting:** 100% LED, two ENERGY STAR ceiling fans.
- **Appliances:** ENERGY STAR refrigerator, dishwasher, clothes washer and dryer.
- **Solar:** 8.48-kW PV.
- **Water Conservation:** Dual-flush toilets, low-water landscaping. WaterSense faucets.
- **Energy Management System:** Programmable thermostat.
- **Other:** Wired for electric car charging station; low-VOC paint; day-lit closets, bath, and garage; polished concrete floors on first floor.

