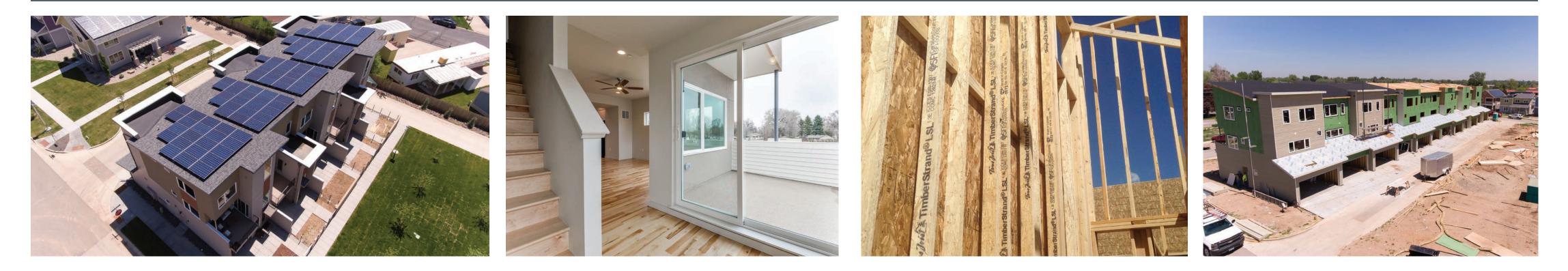


Philgreen Construction

Revive Lotus Townhome | Fort Collins, CO | PhilgreenCo.com



"First and foremost, this home is absolutely the nicest place I have ever lived." Home owner



PROJECT DATA

- **Layout:** 2 bdrm, 4 bath, 3 fl, 1,434 ft²
- Climate: IECC 5B, cold
- **Completed:** December 2016
- **Category:** multifamily

KEY FEATURES

- Walls: R-21 blown fiberglass exterior walls; R-13 blown cellulose in party walls. 2x6 advanced framing, R-26 open-cell spray foam in box sill and rim joist.
- **Roof:** 7/16" OSB sheathing, ice-and-water shield, drip edge, asphalt shingles.
- Attic: R-50 open-cell spray foam on underside of roof deck.
- Foundation: R-10 EPS at slab edge, R-10 EPS under slab.

MODELED PERFORMANCE DATA

- HERS Index: without PV 42, with PV 9
- **Projected Annual Energy Costs:** without PV \$800, with PV \$250
- Projected Annual Energy Cost Savings: (vs typical new homes) without PV \$1,100, with PV \$1,700
- **Annual Energy Savings:** without PV 11,000 kWh, with PV 17,200 kWh
- Windows: Double-pane, vinyl-framed, low-e, argon-filled, U=0.29, SHGC=0.22.
- Air Sealing: 2.03 ACH 50.
- Ventilation: Exhaust fans 92 cfm.
- HVAC: Ground-source heat pump 3.6 COP, 18.1 EER.
- Hot Water: Air-source heat pump 50-gal water heater, 2.45 EF.
- Lighting: 100% LED.
- **Appliances:** ENERGY STAR refrigerator, dishwasher, clothes washer and dryer, 2 ENERGY STAR ceiling fans.
- **Solar:** 5.46-kW PV.
- Water Conservation: Dual-flush toilets, WaterSense hot water distribution design; drought-resistant plants.
- Energy Management System: Programmable thermostat; internet monitoring of PV production, HVAC, car charging station, hot water, and grid power use.
- **Other:** Prewired for an electric car charging station; low-VOC paints; stained concrete floors; daylighting.



Energy Efficiency & Renewable Energy



For more information on the **DOE Zero Energy Ready Home** program, go to http://energy.gov/eere/buildings/zero-energy-ready-home or scan the QR code.



Housing