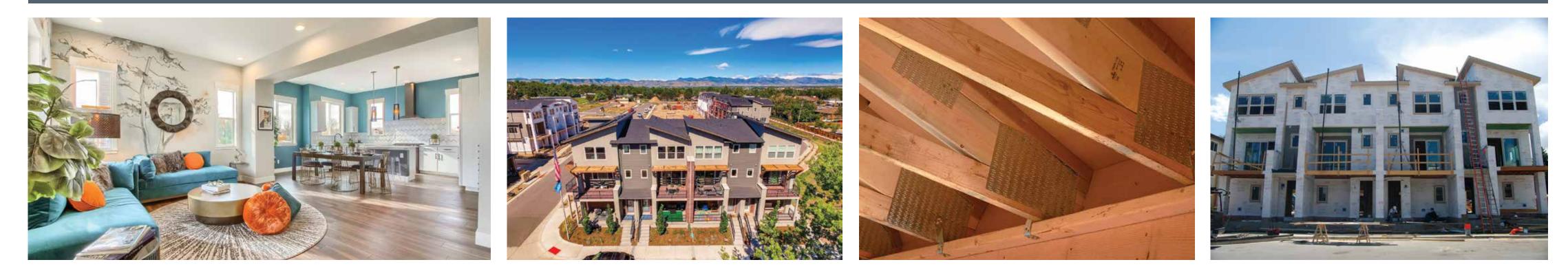


# **Thrive Home Builders**

WestRidge 3-Story Rowhomes | Denver, CO | ThriveHomeBuilders.com



"I was paying two to three times the amount I am now in a smaller apartment." Homeowner



## **PROJECT DATA**

- Layout: 2 bdrm, 2.5 bath, 3 fls, 1,793 ft<sup>2</sup>
- Climate: IECC 5B, cold
- **Completed**: 2020
- Category: Attached Housing

## **KEY FEATURES**

- Walls: 2x6 24" o.c., R-23 total: 5" blown fiberglass, <sup>7</sup>/<sub>16</sub>" OSB sheathing, textured house wrap; stucco, brick veneer, and fiber cement siding.
- Roof: Truss gable roof, <sup>15</sup>/<sub>32</sub>" OSB, synthetic underlayment, ice & water shield at valleys and roof edges, 30-yr asphalt shingles.
- Attic: Vented attic: 17" R-50 blown fiberglass on attic floor.

### MODELED PERFORMANCE DATA

- HERS Index: without PV 50; with PV 29
- **Annual Energy Costs:** without PV \$900; with PV \$450
- Annual Energy Cost Savings: (vs typical new homes) without PV \$1,300; with PV \$1,750
- Annual Energy Savings: without PV 3,800 kWh, 400 Therms; with PV 6,600 kWh, 400 Therms
- Savings in the First 30 Years: without PV \$59,800; with PV \$81,300

## CONTACT

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- Foundation: Slab on grade, R-10 on 3-ft stem wall to full depth, 4" gravel, vapor barrier.
- Windows: Double-pane, argon-fill, low-e; vinyl frames, U=0.3, SHGC=0.3.
- Air Sealing: 2.99 ACH 50. Paint-on flashing and foam seal all penetrations; closed-cell spray foam at rim joists; drywall gasket at top plates; caulking at outlets and switches.
- Ventilation: Continuous exhaust, MERV 8 filter on furnace.
- HVAC: Gas forced-air furnace on main floor, 92% efficient. 13 SEER AC.
- Hot Water: Tankless water heater, smart recirculation pump, .96 EF.
- Lighting: 100% LED, daylighting.
- Appliances: ENERGY STAR refrigerator, hood/exhaust fan, and dishwasher.
- Solar: 2.56 kW rooftop panels.
- Water Conservation: EPA WaterSense fixtures. Drip irrigation. Recirc pump.
- Energy Management System: Energy monitoring system for PV and energy usage, smart programable thermostat.
- **Other:** Prewired for future electric vehicle charging station. Certified cabinets, plywood, particleboard. No-VOC paints and finishes.



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

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