



# Thrive Home Builders

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



Photos courtesy of Thrive Home Builders

“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

### 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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## KEY FEATURES

- **Walls:** 2x6 24" o.c., R-23 total: 5" blown fiberglass, 7/16" OSB sheathing, textured house wrap; stucco, brick veneer, and fiber cement siding.
- **Roof:** Truss gable roof, 1 1/2" 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.
- **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 programmable thermostat.
- **Other:** Prewired for future electric vehicle charging station. Certified cabinets, plywood, particleboard. No-VOC paints and finishes.

