



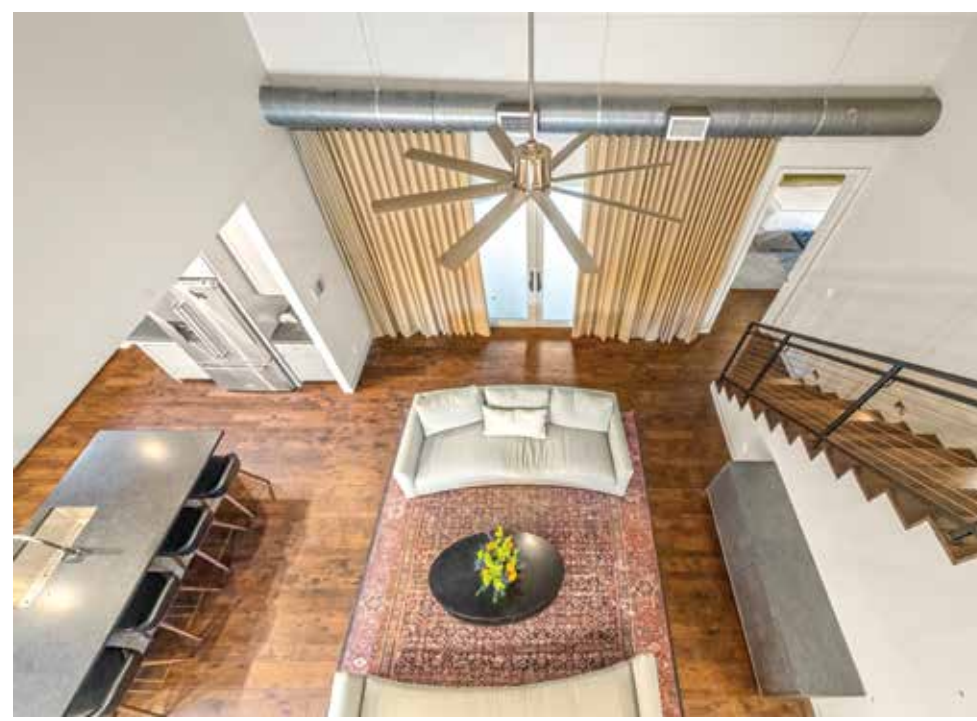
# Ferrier Custom Homes

Coleman Project | Fort Worth, TX | FerrierCustomHomes.com



Photos courtesy of Ferrier Custom Homes

"The Zero Energy Ready Home has given me a superior home-owning experience." Homeowner



## PROJECT DATA

- **Layout:** 3 bdrm, 2.5 bath, 2 fls, 2,938 ft<sup>2</sup>
- **Climate:** IECC 3A, hot-humid
- **Completed:** October 2019
- **Category:** Custom for Buyer <3,000 ft<sup>2</sup>

### MODELED PERFORMANCE DATA

- **HERS Index:** without PV 48; with PV 2
- **Annual Energy Costs:** without PV \$2,000; with PV \$450
- **Annual Energy Cost Savings:** (vs typical new homes) without PV \$200; with PV \$1,500
- **Annual Energy Savings:** without PV 2,100 kWh, 50 Therms; with PV 13,900 kWh, 50 Therms
- **Savings in the First 30 Years:** without PV \$9,800; with PV \$69,500

## CONTACT

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## KEY FEATURES

- **Walls:** SIPs, 4.5" R-17.5 total: SIPs, house wrap; window and door flashing; stone, brick, wood, and cementitious stucco siding; drip caps over all exterior doors & windows.
- **Roof:** SIP roof, R-31 total: 8.25" SIPs, synthetic underlayment, class IV highly reflective white standing seam metal cladding, ENERGY STAR Cool Roof certified. Mono-pitch roof design.
- **Attic:** No attic.
- **Foundation:** Uninsulated slab on grade.
- **Windows:** Triple-pane, argon-filled, low-e3, aluminum-clad wood awning, casement, fixed, and single-hung frames, U=0.29, 0.28, 0.28, SHGC=0.22, 0.20, 0.24, tuned for direction.
- **Air Sealing:** 1.3 ACH 50, all SIP seams sealed with elastomeric sealant.
- **Ventilation:** Balanced central fan with fresh air intake and timed exhaust.
- **HVAC:** Central air source heat pump, 9 HSPF, 16 SEER. All ducts in conditioned space.
- **Hot Water:** Tankless gas water heater, 0.82 EF. Compact plumbing design.
- **Lighting:** 95% LED, 5% CFL. Daylighting.
- **Appliances:** ENERGY STAR dishwasher, refrigerator, and clothes washer.
- **Solar:** 8.85-kW; 30 295-W rooftop panels, 1 inverter.
- **Water Conservation:** EPA WaterSense fixtures, drought-resistant landscaping; drip, smart irrigation.
- **Energy Management System:** PV tracking, programmable thermostat, smart lighting.
- **Other:** Electric vehicle charging. Accessibility features. Low/no VOC paints, stains, and adhesives. Formaldehyde-free cabinets. Recycled-content woods.

