



# Ferrier Custom Homes

Lost Creek Phoenix | Fort Worth, TX | FerrierCustomHomes.com



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“Each day I say to one of my family members how much I love our house.” *Home owner*



## PROJECT DATA

- **Layout:** 3 bdrm, 3.5 bath, 2 fl, 2,914 ft<sup>2</sup>
- **Climate:** IECC 3A, hot-humid
- **Completed:** June 2017
- **Category:** custom for buyer

### MODELED PERFORMANCE DATA

- **HERS Index:** without PV 52; with PV 1
- **Annual Energy Costs:** without PV \$1,650; with PV \$150
- **Annual Energy Cost Savings:** (vs typical new homes) without PV \$1,000; with PV \$2,500
- **Annual Energy Savings:** without PV 9,100 kWh; with PV 13,600 kWh
- **Savings in the First 30 Years:** \$109,300

## KEY FEATURES

- **Walls:** 2x6 24" o.c., advanced framed; R-24 5" spray foam, house wrap, 7/16" OSB sheathing; fiber cement and cultured stone siding.
- **Roof:** Reflective galvalume metal standing seam roofing; 60-mil adhered TPO plus 1" polyiso on low slope; 2x12 joists.
- **Attic:** Unvented attic insulated at roof with 5.5" to 6.5" R-34 open-cell spray foam.
- **Foundation:** Uninsulated slab on grade.
- **Windows:** Double-pane, low-e3, argon-filled, insulated aluminum frames, U=0.36, SHGC=0.21.
- **Air Sealing:** 1.1 ACH 50.
- **Ventilation:** Controlled central fan with fresh air intake and timed exhaust.
- **HVAC:** Air-source heat pump, 16 SEER, 9.0 HSPF; R-5 ducts in conditioned space.
- **Hot Water:** Tankless electric hot water heater, 0.99 EF.
- **Lighting:** 100% LED, ENERGY STAR ceiling fans, motion sensors on exterior flood lights.
- **Appliances:** ENERGY STAR refrigerator and dishwasher.
- **Solar:** 8.96-kW PV.
- **Water Conservation:** Low-flow or ultra-low-flow fixtures, rainwater catchment system for irrigation.
- **Energy Management System:** Programmable thermostat, solar monitoring application.
- **Other:** Fortified Home, F5 tornado-safe roof. Low-VOC paints and stains; formaldehyde-free cabinets. Non-toxic pest control. Security system. Embedded hurricane straps. PEX plumbing. Recycled construction waste. Passive solar design.

## CONTACT

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