



Carl Franklin Homes & Green Extreme Homes

5th Street Deep Rehab | Lewisville, TX | GreenExtremeHomes.com



Photos courtesy of Carl Franklin Homes & Green Extreme Homes

“Because of the way it’s built, we don’t have to worry about high utility bills, even in the summer.” Home owners



PROJECT DATA

- **Layout:** 3 bdrm, 2 bath, 1 fl, 1,108 ft²
- **Climate:** IECC 3A, hot-humid
- **Completed:** November 2015
- **Category:** affordable

MODELED PERFORMANCE DATA

- **HERS Index:** without PV 58
- **Projected Annual Energy Costs:** without PV \$1,633
- **Projected Annual Energy Cost Savings:** (vs home built to 2009 IECC) without PV \$570
- **Annual Energy Savings:** without PV 4,755 kWh

KEY FEATURES

- **Walls:** Total R-21: rehab gutted to 2x4 studs, 3.5" dense-pack blown cellulose, ½ rigid EPS, ½" coated OSB, draining house wrap, engineered wood siding.
- **Roof:** New ½" OSB deck, full self-adhering membrane, Cool Roof asphalt shingles.
- **Attic:** R-38 sealed conditioned attic with 8" closed-cell foam on underside of roof deck.
- **Foundation:** Existing uninsulated slab-on-grade.
- **Windows:** Vinyl-frame, triple-pane, low-e, argon-filled, U=0.23, SHGC=0.22.
- **Air Sealing:** 1.2 ACH 50.
- **Ventilation:** ERV.
- **HVAC:** Mini-duct heat pump, 9.1 HSPF, 20 SEER, unit in closet, ducts in conditioned attic.
- **Hot Water:** 50-gal electric tank, 0.95 EF, in hall closet < 15 feet to any hot water uses.
- **Lighting:** LED 20%, CFL 80%.
- **Appliances:** ENERGY STAR refrigerator, clothes washer, dishwasher, 4 ceiling fans.
- **Water Conservation:** WaterSense-rated toilets and faucets.
- **Energy Management System:** Programmable thermostat.
- **Other:** No-VOC paints and sealants, green-certified plank vinyl flooring, native drought-tolerant plants in landscaping.

CONTACT

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