



# C & B Custom Homes

Crossroads at Mingus | Clarkdale, AZ | CandBHomes.com



Photos courtesy of C and B Custom Homes, Inc.

“When I returned to my doctor...they were in awe with the [health] changes they saw.” Home owner



## PROJECT DATA

- **Layout:** 3 bdrm, 2 bath, 1 fl, 1,545 ft<sup>2</sup>
- **Climate:** IECC 4B, mixed-dry
- **Completed:** May 2018
- **Category:** custom spec

### MODELED PERFORMANCE DATA

- **HERS Index:** without PV 50; with PV -1
- **Annual Energy Costs:** without PV \$1,100; with PV \$-50
- **Annual Energy Cost Savings:** (vs typical new homes) without PV \$600; with PV \$1,750
- **Annual Energy Savings:** without PV 3,700 kWh, 300 therms; with PV 12,500 kWh, 300 therms
- **Savings in the First 30 Years:** \$78,000

## CONTACT

Chris Spannagel  
928-301-1423  
chrs.candb@gmail.com

## KEY FEATURES

- **Walls:** 2x6 16" o.c.; R-21 blown-in fiberglass, house wrap, 1" R-5 rigid polyiso sheathing, acrylic stucco, caulking, and sill seal air infiltration barrier.
- **Roof:** Concrete tile roofing, synthetic underlayment, 1" air gap under tiles.
- **Attic:** R-38 blown fiberglass.
- **Foundation:** Slab insulated 48" in from perimeter with 2" R-10 under slab, 1" R-5 slab edge. Rebar-reinforced CMU foundation walls.
- **Windows:** Double-pane, low-e, argon-filled, vinyl frames.
- **Air Sealing:** 1.5 ACH 50.
- **Ventilation:** ERV, MERV 9 filters.
- **HVAC:** 95% AFUE gas furnace, 16 SEER AC; ducts in conditioned attic, R-8 insulated and sealed.
- **Hot Water:** Tankless gas water heater, 97% efficient. Recirculation pump.
- **Lighting:** 100% LED; motion sensors where applicable, ENERGY STAR ceiling fans.
- **Appliances:** All ENERGY STAR.
- **Solar:** 4.93-kW PV system.
- **Water Conservation:** All fixtures meet EPA WaterSense. Xeriscaped with native plants; drip irrigation.
- **Energy Management System:** Programmable thermostat with Wi-Fi and Bluetooth features.
- **Other:** Low- or no-VOC paints, flooring, and cabinets; Green Label flooring; meets Indoor AirPLUS standards; electric car charging station. Extra inverter space for future PV.

