C&B Custom Homes
Crossroads at Mingus | Clarkdale, AZ | CandBHomes.com

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PROJECT DATA

• **Layout:** 3 bdrm, 2 bath, 1 fl, 1,328 ft²
• **Climate:** IECC 4B, mixed-dry
• **Completed:** June 2022
• **Category:** Custom Spec

MODELED PERFORMANCE DATA

• **HERS Index:** without PV 45; with PV 30
• **Annual Energy Costs:** without PV $1,100; with PV $850
• **Annual Energy Cost Savings:** (vs typical new homes) without PV $550; with PV $1,000
• **Annual Energy Savings:** without PV 7,550 kWh, 380 therms; with PV 10,100 kWh, 380 therms
• **Savings in the First 30 Years:** without PV $26,900; with PV $49,150

KEY FEATURES

• **Walls:** 2x6, 16” o.c., R-27 total: R-22 spray foam in cavity, house wrap, 1” R-5 foam sheathing. Type F acrylic stucco.
• **Roof:** Truss gabled roof: ½” deck sheathing, fully self-adhered underlayment. Cement tiles.
• **Attic:** Unvented attic with 7” R-25 open-cell spray foam on underside of roof deck.
• **Foundation:** Slab on grade: CMU stem walls. Rigid foam is 2” thick (R-10) and 48” wide under slab perimeter and 1” R-5 on slab edge.
• **Windows:** Double-pane, argon-filled, low-e, vinyl frame, U=0.27, SHGC=0.19.
• **Air Sealing:** 1.80 ACH50, spray-foamed attic, sill seal, foam seal all exterior penetrations.
• **Ventilation:** ERV tied to central air handler, MERV 9 filter.
• **HVAC:** Gas furnace, 96% AFUE. 14 SEER AC unit. Flex ducts in attic.
• **Hot Water:** Gas tankless, 97% efficient, central manifold plumbing with PEX piping.
• **Lighting:** 100% LED.
• **Appliances:** ENERGY STAR dishwasher, refrigerator, ceiling fan, exhaust fans.
• **Solar:** 3.45-kW, 10 rooftop panels with integrated micro-inverters.
• **Energy Management System:** Smart thermostats; app that tracks electricity usage and production.
• **Other:** Low/no-VOC finishes, paints, adhesives; GreenGuard Gold flooring. Outlets for EV charging.

CONTACT

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For more information on the DOE Zero Energy Ready Home program, go to http://energy.gov/eere/buildings/zero-energy-ready-home or scan the QR code.