



C & B Custom Homes

Cabernet Model 2021 | Clarkdale, AZ | CandBHomes.com



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“The air is so much cleaner in here; my husband doesn’t sneeze inside the house even when he is sneezing outside.” Homeowner



PROJECT DATA

- **Layout:** 3 bdrm, 2 bath, 1 fl, 2,099 ft²
- **Climate:** IECC 4B, mixed-dry
- **Completed:** April 2020
- **Category:** Custom Spec

MODELED PERFORMANCE DATA

- **HERS Index:** without PV 43; with PV 15
- **Annual Energy Costs:** without PV \$1,200; with PV \$450
- **Annual Energy Cost Savings:** (vs typical new homes) without PV \$750; with PV \$1,500
- **Annual Energy Savings:** without PV 5,100 kWh, 350 Therms; with PV 11,100 kWh, 350 Therms
- **Savings in the First 30 Years:** without PV \$36,800; with PV \$72,100

CONTACT

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KEY FEATURES

- **Walls:** 2x6 studs @ 16" o.c., R-25 total: R-23 spray foam in cavity, house wrap, 1" R-5 foam sheathing, acrylic stucco, sill seal and caulk at plates.
- **Roof:** Truss gabled roof: trusses, 1/2" deck sheathing, self-adhering underlayment, cement tile roofing is ENERGY STAR cool roof-certified.
- **Attic:** Conditioned attic with 7" R-28 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=0.29, SHGC=0.23.
- **Air Sealing:** 3.98 ACH50, spray foamed attic, sill seal, foam seal all exterior penetrations.
- **Ventilation:** ERV, MERV 9 filter.
- **HVAC:** Gas furnace, 96 AFUE, 16 SEER AC unit, flex duct system, ducts in conditioned attic.
- **Hot Water:** Gas tankless, 0.96 EF, integrated recirculation pump.
- **Lighting:** 100% LED.
- **Appliances:** All appliances are certified by ENERGY STAR.
- **Solar:** 3.55 kW, 10 355-W rooftop panels with integrated micro-inverters.
- **Water Conservation:** EPA WaterSense bathroom faucets, showerheads, central manifold with PEX piping, button-activated recirculation pump, drip irrigation.
- **Energy Management System:** Wi-Fi and Bluetooth compatible thermostat.
- **Other:** Low/no-VOC finishes, paints, adhesives; GreenGuard Gold flooring.

