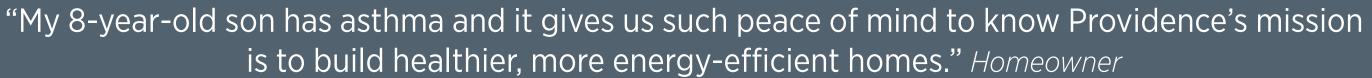


Providence Homes

The Manatee | Jacksonville, FL | MyProvidenceHome.com















PROJECT DATA

• **Layout:** 5 bdrm, 3 bath, 2 fls, 2,749 ft²

• Climate: IECC 2A, hot-humid • Completed: August 2020

• Category: Production

MODELED PERFORMANCE DATA

- **HERS Index:** without PV 48; with PV 23
- Annual Energy Costs: without PV \$1,350; with PV \$600
- Annual Energy Cost Savings: (VS typical new homes) without PV \$1,100; with PV \$2,050
- Annual Energy Savings: without PV 9,350 kWh; with PV 15,750 kWh
- Savings in the First 30 Years: without PV \$45,500; with PV \$85,350

CONTACT

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KEY FEATURES

- Walls: 2x6 24" o.c. R-21 total: advanced framed, R-21 fiberglass batt in cavity, 7/16" OSB sheathing, synthetic house wrap, fiber cement lap siding.
- Roof: Truss gable and hip roof. $\frac{7}{16}$ " OSB roof sheathing, synthetic underlayment, architectural shingles.
- Attic: Unvented, 5.5" R-22, open-cell spray foam on underside of roof deck and attic knee walls.
- Foundation: Slab on grade.
- Windows: Double-pane, U=0.34, SHGC= 0.22, vinyl frame, low-e.
- Air Sealing: 1.97 ACH 50: Foam sealant in rough openings around all door and window frames, at framing seams, and attic penetrations; foam sill plate gasket; drywall caulked to top plates; open-cell spray foam under floors over unconditioned space, at second floor rim joist, and in attic.
- Ventilation: Exhaust only, humidity sensors in bathrooms.
- HVAC: Central air source heat pump, 16 SEER, variable-speed with zoning.
- Hot Water: Heat pump water heater, 80-gallon, 3.53 EF, UEF 4.0, in garage. Smart recirculation pump.
- Lighting and Appliances: LED lighting, ENERGY STAR appliances.
- Solar: 5.85-kWh PV, 27-kW battery.
- Energy Management System: Energy monitor on electric panel for remote tracking of electric uses.
- Other: All electric homes.





