



Providence Homes

The Alberta at Nocatee | Ponte Verda, FL | ProvidenceHomesInc.com



Photos courtesy of Providence Homes

“My 8-year-old son has asthma and it gives us such peace of mind to know [we live in a] healthier, more energy-efficient home.” Homeowners



PROJECT DATA

- **Layout:** 4 bdrm, 3 bath, 2 fl, 2,087 ft²
 - **Climate:** IECC 2A, hot-humid
 - **Completed:** December 2023
 - **Category:** Production
- MODELED PERFORMANCE DATA**
- **ERI:** without PV 49
 - **Annual Energy Costs:** without PV \$1,150
 - **Annual Energy Cost Savings:** (versus typical new homes) without PV \$950
 - **Annual Energy Savings:** without PV 6,720 kWh/95 therms
 - **Savings in the First 30 Years:** without PV \$40,750

KEY FEATURES

- **Walls:** 2x6 24" o.c., advanced framed: 7/16" OSB sheathing, R-21 fiberglass batt insulation, house wrap, fiber cement siding.
- **Roof:** Gable and hip truss roof, 7/16" OSB, synthetic roof underlayment, asphalt shingles.
- **Attic:** Unvented: 6" R-22 open-cell spray foam under roof deck.
- **Foundation:** Slab on grade monolithic slab.
- **Windows:** Double-pane windows, U=0.34, SHGC=0.24.
- **Air Sealing:** 1.87 ACH50; foam gasket under bottom plates. Open-cell spray foam installed in all window and door headers, in rim joists, and on underside of all conditioned space above unconditioned spaces. Spray-foam air sealing reduced HVAC by 1 ton.
- **Ventilation:** Run-time supply ventilation. Fresh air duct with normally closed, power-open damper supplies fresh air to air handler when condenser is operating. Continuous bath exhaust fan with humidity sensor controls and manual shutoff.
- **HVAC:** Central air-source heat pump, 7.8 HSPF, 15.2 SEER.
- **Hot Water:** Tankless gas water heater, 0.93 UEF. Demand recirculation.
- **Lighting and Appliances:** ENERGY STAR appliances.
- **Solar:** None.
- **Energy Management System:** Programmable thermostat.
- **Other:** Photo record of all four walls of the home to record the weather barrier and flashing prior to installing exterior cladding.

CONTACT

Peyton Davidson
904-262-9898
pdavidson@providencehomesinc.com

