



DP Construction

Pebble Creek | Prattville, AL | Facebook.com/DPConstruction



Photos courtesy of DP Construction

“With no additional cost upfront...homeowners... are able to move in and instantly reap the benefits of owning such an efficient and sustainable home.” *Dow Perry, owner, DP Construction*



PROJECT DATA

- **Layout:** 4 bdrm, 2.5 bath, 2 fl, 3,021 ft²
- **Climate:** IECC 3A, hot-humid
- **Completed:** November 2015
- **Category:** custom spec

MODELED PERFORMANCE DATA

- **HERS Index:** without PV 45
- **Projected Annual Energy Costs:** without PV \$1,124
- **Projected Annual Energy Cost Savings:** (vs home built to 2009 IECC) without PV \$910
- **Annual Energy Savings:** without PV 12,912 kWh

KEY FEATURES

- **Walls:** 2x6, 24" o.c., advanced-framed, 5.5" open-cell foam in cavity, 7/16" R-21 OSB sheathing, 1.5" soy open-cell spray foam over sheathing, brick veneer.
- **Roof:** 7/16" OSB decking, roofing felt, fiberglass shingles.
- **Attic:** Unvented attic with 11" R-42 soy open-cell spray foam on underside of roof deck, 5.5" in vaulted ceilings, 7/16" OSB, roofing felt, fiberglass shingles.
- **Foundation:** Uninsulated slab on grade.
- **Windows:** Double-pane, vinyl-framed, low-e, U=0.33, SHGC=0.26.
- **Air Sealing:** 1.4 ACH 50.
- **Ventilation:** Moisture-activated bath exhaust fans.
- **HVAC:** 4 wall-mounted mini-split ductless heat pumps, 18.4 SEER, 8.7 HSPF.
- **Hot Water:** 50-gallon heat pump water heater, 2.40 EF.
- **Lighting:** 90% CFL, 10% LED.
- **Appliances:** ENERGY STAR dishwasher, refrigerator.
- **Solar:** Pre-wired for solar.
- **Water Conservation:** Button-operated on-demand hot water pump.
- **Energy Management System:** None.
- **Other:** Low-VOC paint and carpet.

CONTACT

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