



P3 Builder Group

Way Back Barn | Wainscott, NY | BuilderSite.com



Photos courtesy of P3 Builder Group

“We really enjoy being in the house. It has a very special energy to it.” Homeowner



PROJECT DATA

- **Layout:** 3 bdrm, 3 bath, 2 fls, 2,200 ft²
- **Climate:** IECC 4A, mixed-humid
- **Completed:** May 2019
- **Category:** Custom for Buyer <3,000 ft²

MODELED PERFORMANCE DATA

- **HERS Index:** without PV 38; with PV -22
- **Annual Energy Costs:** without PV \$1,650; with PV \$250
- **Annual Energy Cost Savings:** (vs typical new homes) without PV \$1,500; with PV \$2,900
- **Annual Energy Savings:** without PV 8,400 kWh; with PV 9,500 kWh
- **Savings in the First 30 Years:** without PV \$62,300; with PV \$120,900

CONTACT

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KEY FEATURES

- **Walls:** SIPs, R-27 total: 8" SIPs, felt paper, mesh drainage screen, cedar shingle siding.
- **Roof:** SIPs.
- **Attic:** Unvented attic: 12" R-47 SIPs.
- **Foundation:** Slab on grade: 4-ft cast-in-place foundation walls; 2" rigid EPS on exterior, 4" rigid EPS plus taped vapor barrier under slab.
- **Windows:** Triple-pane, argon-filled, low-e, aluminum-clad wood tilt-and-turn and fixed frames, U=0.18, SHGC=0.36/0.33. Interior motorized blinds.
- **Air Sealing:** 1.17 ACH 50. All SIP joints caulked or taped.
- **Ventilation:** ERV, humidistats on bath fans.
- **HVAC:** Ductless mini-split heat pump, 11 HSPF, 18.9 SEER, 5 air handlers, 1 compressor. Passive solar design.
- **Hot Water:** Heat pump water heater, 3.23 EF, 83-gal. Recirculation pump.
- **Lighting:** 90% LED, 10% recycled historic fixtures. Motion sensors. Daylighting.
- **Appliances:** ENERGY STAR refrigerator, freezer, dishwasher, and clothes washer/dryer.
- **Solar:** 12 kW rooftop panels.
- **Water Conservation:** EPA WaterSense fixtures. Drought-resistant landscaping.
- **Energy Management System:** Wi-Fi connected for remote monitoring and control.
- **Other:** Electric vehicle charging station. Accessibility features. Low-VOC cabinetry finish, recycled wood paneling.

