



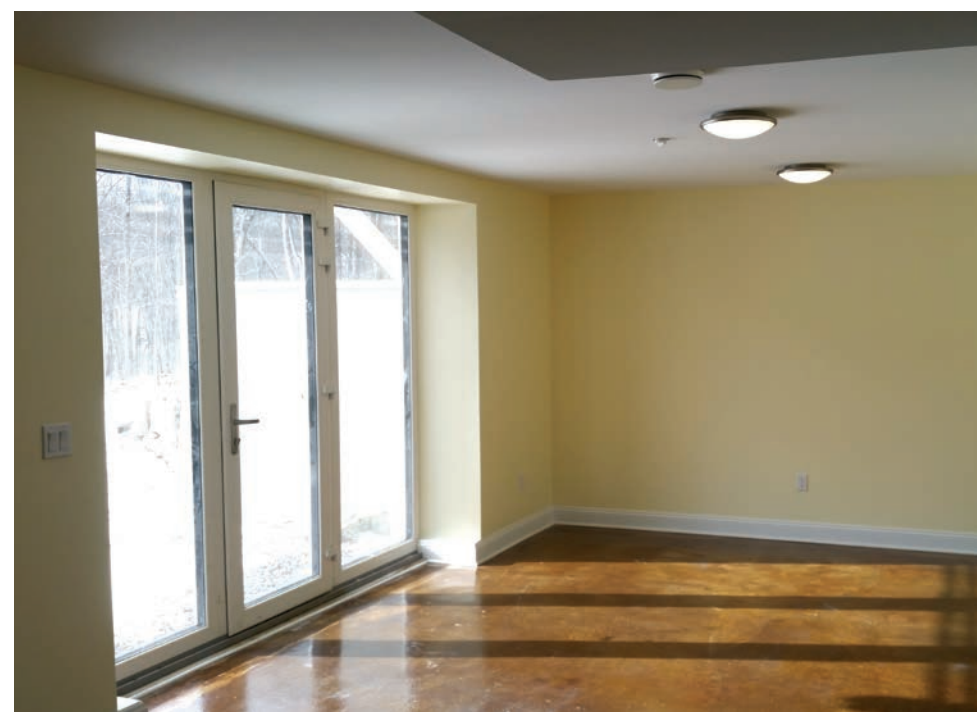
BPC Green Builder of NY

Clinton Colonial | Clinton, NY | BPCGreenBuilders.com



Photos courtesy of BPC Green Builders of NY

“The house has been incredibly comfortable. The day and night temperatures are practically the same.” Home owner



PROJECT DATA

- **Layout:** 3 bdrm, 2.5 bath, 2 fl + bsmt, 4,711 ft²
- **Climate:** IECC 5A, cold
- **Completed:** February 2017
- **Category:** custom for buyer

MODELED PERFORMANCE DATA

- **HERS Index:** without PV 29, with PV -2
- **Projected Annual Energy Costs:** without PV \$1,650, with PV \$100
- **Projected Annual Energy Cost Savings:** (vs typical new homes) without PV \$1,350, with PV \$2,900
- **Annual Energy Savings:** without PV 18,600 kWh; with PV 40,500 kWh

CONTACT

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KEY FEATURES

- **Walls:** Double walls - 2x6 16" o.c. exterior and 2x4 24" o.c. interior=12" cavity filled with 3" (R-20) closed-cell spray foam plus dense-pack cellulose for R-48. Interior smart vapor retarder, taped coated sheathing, corrugated house wrap, fiber cement siding.
- **Roof:** Lifetime aluminium standing seam roof; applied 2x6 overhangs.
- **Attic:** Vaulted ceilings, 3" closed-cell spray foam roof sheathing, dense-packed cellulose, interior smart vapor retarder, R-70 total.
- **Foundation:** 10" concrete walls, with exterior waterproofing. Stained concrete slab over 6" stone, two layers of 4" EPS (R-40); 4" (R-20) perimeter insulation separates slab from foundation walls.
- **Windows:** Triple-paned, UPVC-framed argon fill; low-e2; U=0.14, SHGC=0.39.
- **Air Sealing:** 0.6 ACH 50.
- **Ventilation:** ERV exhausts baths, laundry with occupancy sensors, kitchen.
- **Hot Water:** Heat pump water heater.
- **HVAC:** Air-source heat pump 16 SEER, 9.3 HSPF; rigid metal ducts, inside.
- **Lighting:** 100% LED.
- **Appliances:** ENERGY STAR refrigerator, dishwasher.
- **Solar:** 11.4-kW PV.
- **Water Conservation:** WaterSense fixtures. Motion sensed recirc pump. 60-gal rain tank.
- **Energy Management System:** Web-based monitoring of 32 circuits.
- **Other:** Low-VOC finishes, sealants, insulation; site-harvested oak trees for flooring.

