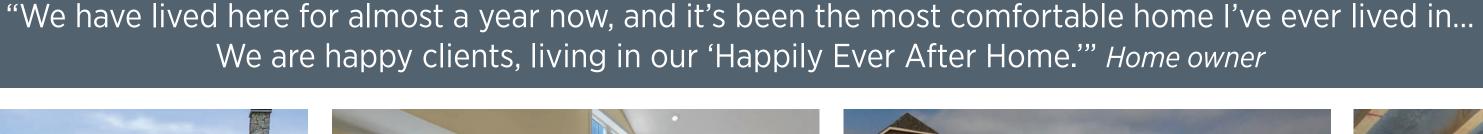


High Performance Homes LLC

The Danielle | Gettysburg, PA | HPHPa.com













PROJECT DATA

• **Layout:** 3 bdrm, 2.5 bath, 2 fl, 3,748 ft²

Climate: IECC 5A, coldCompleted: August 2016

• Category: custom for buyer

MODELED PERFORMANCE DATA

- **HERS Index:** without PV 35, with PV 16
- Projected Annual Energy Costs:
 without PV \$1,300, with PV \$700
- Projected Annual Energy Cost Savings:
 (vs typical new homes) without PV
 \$2,400, with PV \$3,000
- Annual Energy Savings: without PV 45 MBtu; with PV 65 MBtu

CONTACT

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KEY FEATURES

- Walls: R-23 6.5" SIPs above grade, 4.5" SIP at band joist plus 1" closed-cell foam; R-19 batt in floor joists; house wrap; stone or stucco with 2" EPS foam.
- **Roof:** Composite shingle over 15# felt, ice-and-water shield in valleys and at eaves, kickout and 5" sidewall flashing; all downspouts drain to 10' pipe with pop-ups.
- Attic: R-53 vented attic with 1" closed-cell spray foam + R-49 blown cellulose on ceiling deck.
- **Foundation:** Basement, pre-cast concrete walls with integral R-21.3 rigid foam; R-10 XPS under slab.
- Windows: Double-pane low-e, argon-filled, U=0.25, SHGC=0.29.
- Air Sealing: 1.1 ACH 50.
- Ventilation: Timer-controlled exhaust fans.
- HVAC: Ground-source heat pump, 5.6 COP, 20.3 EER; all ducts in conditioned space.
- **Hot Water:** 50-gal desuperheater on ground-source heat pump + .93 EF 50-gal electric water heater.
- Lighting: 95% LED, 5% CFL.
- Appliances: ENERGY STAR dishwasher, refrigerator, and bath fans.
- **Solar:** 4.9-kW PV roofing shingles.
- Water Conservation: Recirculating pump; low-flow fixtures.
- Energy Management System: Internet energy monitoring of solar.
- Other: No-/low-VOC paint, adhesives, and cabinetry; motion sensor exhaust fans in garage.





