



# BrightLeaf Homes

Double Take Townhomes | La Grange, IL | MyBrightLeafHome.com



Photos courtesy of Brightleaf Homes

“Energy bills are less than half of our previous home with 20% more square footage.” *Home owner*



## PROJECT DATA

- **Layout:** 4 bdrm, 3 bath, 2 fl + bsmt, 2,280 ft<sup>2</sup>
- **Climate:** IECC 5A, cold
- **Completed:** June 2018
- **Category:** custom spec

### MODELED PERFORMANCE DATA

- **HERS Index:** without PV 49; with PV 37
- **Annual Energy Costs:** without PV \$1,750; with PV \$1,400
- **Annual Energy Cost Savings:** (vs typical new homes) without PV \$1,700; with PV \$2,050
- **Annual Energy Savings:** without PV 50 MMbtu; with PV 60 MMbtu
- **Savings in the First 30 Years:** \$100,900

## KEY FEATURES

- **Walls:** 2x4s staggered 12" o.c. on 2x6 plates, advanced framed; R-26 dense-packed cellulose, 1/2" taped coated OSB, fiber cement siding. Beveled window sills.
- **Roof:** 24" o.c. engineered roof trusses; 1/2" coated OSB sheathing, 13" raised-heel trusses, 24" overhangs, 30-lb felt, ice-and-water shield at eaves. Light asphalt shingles.
- **Attic:** Vented: all top plates foamed, 16" R-60 blown cellulose, raised-heel trusses.
- **Foundation:** Basement; exterior 3" rigid XPS plus dimpled plastic drain mat, 2" XPS under slab, 10-mil vapor barrier and capillary break.
- **Windows:** Low-e, argon-filled, triple-pane, vinyl frames; U=0.22-0.18, SHGC=0.26.
- **Air Sealing:** 1.6 ACH 50.
- **Ventilation:** Air-cycler-controlled fresh air intake balanced to timered exhaust fans.
- **HVAC:** 96% AFUE gas furnace, 14 SEER AC. Ducts in conditioned space.
- **Hot Water:** Tankless gas condensing, 0.97 EF.
- **Lighting:** 97% LED, 4 ENERGY STAR ceiling fans.
- **Appliances:** ENERGY STAR refrigerator, dishwasher, bathroom exhaust fans.
- **Solar:** 2.5-kW PV; 10-panel PV system with room for 20 more panels.
- **Water Conservation:** WaterSense fixtures and plumbing system.
- **Energy Management System:** Smart energy monitoring system.
- **Other:** Electric vehicle charging station; room for PV expansion; Indoor AirPLUS certified. Storm resistance: 2-ft overhangs, structural truss connectors, oversized anchor washers, site graded for 10" to 24" slope away from house. Stormwater management system.

## CONTACT

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