

Features and Benefits of LEED for Homes

Lynbrook of Annapolis built the Marchakitus residence with the following above-code features and related benefits. These sustainable features enabled this home to be certified LEED for Homes. The high quality and high performance features were assured by third-party verification.

Healthier than Code Homes



- ✓ Clean Air - Supply air is filtered continuously by efficient MERV 13 air filters to efficiently remove particles and allergens from the indoor air.
- ✓ Fresh Air - Mechanical ventilation system provides fresh outdoor air flow into the home every hour of the day.
- ✓ Reduced Chemical Exposure – Many building products have low emission volatile organic compounds (VOCs) and no formaldehyde.

More Comfortable than Code Homes



- ✓ Humidity Control - Thermostatic control ensures that humidity levels are maintained below 60% for added comfort in summer, and eliminate risks of mold and mildew growth.
- ✓ Quality HVAC Design - Air distribution system is designed to deliver the required heating and cooling to each room.
- ✓ Verified Air Flows - Third party verifies the supply air flow in each room of each home, to ensure move-in ready comfort throughout every home.
- ✓ Insulation and Air Seal – Third party verifies air tightness of home to higher than code performance.

More Durable than Code Homes



- ✓ Pest Management – Integrated pest management features minimize need for exposure to toxic chemicals.
- ✓ AZEK trims for low maintenance exterior materials.
- ✓ Low-E Windows - Reduced risk of fading due to UV exposure.

More Energy Efficient than Code Homes



- ✓ ENERGY STAR Appliances and Lighting – high quality and money saving refrigerator, dishwasher, and CFL light fixtures.
- ✓ ENERGY STAR Heating and Cooling Equipment - ultra-efficient ground source heating and cooling systems (COP = 4.1, and SEER 21)
- ✓ ENERGY STAR Windows - draft free and energy efficient windows for greater comfort, and lower utility bills.

More Environmentally Responsible than Code Homes



- ✓ Water Efficiency - Toilets, faucets, and shower heads are low flow fixtures, reduce water bills.
- ✓ Construction Waste - Construction waste management plan diverts over 80% of construction waste from landfills.
- ✓ Storm Water Management - On-site storm water management systems prevent erosion and protect local watersheds.
- ✓ Deconstruction of existing home re-purposed over 80% of used building materials to divert demolition waste from landfills.