

How We Build Green

ADVANCED TECHNIQUES. ENVIRONMENTAL UNDERSTANDING.

Building green starts with a commitment at project inception and is reflected in the land and site planning along with the architectural design. This critical planning and specification process is followed by the equally crucial implementation and construction phase, resulting in minimized environmental impact and highly energy efficient homes.

LAND DEVELOPMENT

Preservation

- 690 acres of Conserved Land monitored by Westchester Land Trust
- Building on less than 10% of the property

Wildlife Management

- Box Turtle Relocation & Habitat Management
- Conservation Management Plan

Storm water Management

- Heavily planted retention basins
- Roof water collected, piped to storm water management system
- Storm water collection and filtering through basins

CONSTRUCTION METHODS

High-performance integrated designs are used to optimize multiple energy efficiencies

Insulation & Air Sealing

- An advanced building envelope minimizes the need for energy through construction of advanced wall and ceiling assemblies

Water and Moisture Management

- Increases the durability of the house and reduces risk of mold and mildew
 - High efficiency spray foam insulation
 - Insulating entire envelope including the attic and basement as required
 - Moisture control by dew point management
 - Reduces ice-damming
 - Eliminates drafts/air infiltration
 - Reduces heat loss/gain
 - Reduces the required size of air conditioner

On-Site Recycling of construction waste

CONSTRUCTION MATERIALS

Hydro Air Heat & Cooling Systems

High-efficiency heating and air-conditioning equipment maximizes energy savings and reduces operating cost

- A 92% efficient AFUE Direct Vent Boiler
- 14 SEER Air Compressor
- Variable speed air handlers

Indoor air-quality

- Eliminating naturally drafted combustion appliances, often a source of carbon monoxide in homes, and providing proper ventilation based on national standards

Mechanical Ventilation

Cement Board Siding

Cultured Stone Veneer

Floor and Roof Truss System

High Efficiency Appliances

Insulated Fiberglass Front Door

Vinyl clad high efficiency Low-E glass windows

Composite Wood interior doors and trim

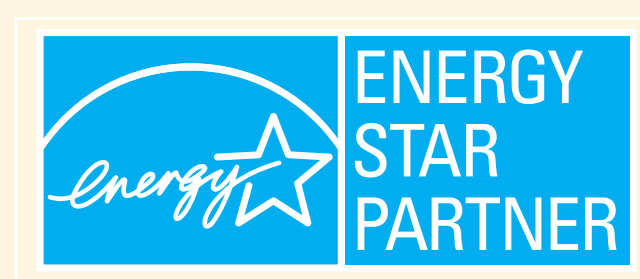
Low VOC Paints

Low VOC Carpet

Low Maintenance decking

Insulated Garage doors

Structured Plumbing Distribution



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