

green highlights

Site:

- Sustainable Site
- Minimized site disturbed area
- Landscaping with native species plants
- Rainwater harvesting and irrigation
- Rear yard certified with National Wildlife Federation

Materials:

- Recycled and salvaged dumpster vs. landfill
- Low VOC (Volatile organic compounds) paints, adhesives and finishes
- Salvaged oak wood floor (from original house)
- Appalachian Trail Salvaging hardwood floor
- Recycled glass aggregate exposed concrete slab
- Composite wood + low urea-formaldehyde cabinets
- Salvaged brick
- Kraftpaper (recycled) and wood chip composite exterior siding on rain-screen wall system
- Icynene spray foam insulation
- Denim sound attenuating insulation

Systems:

- Energy Star Certified appliances and ceiling fans
- Energy efficient lighting (LED and Compact Fluorescent)
- Dual and low flow plumbing toilets
- Aerated low flow faucets
- Geothermal wells with Waterfurnace dual dampered zoned heating and cooling
- Programmable Thermostat
- Energy Recovery Ventilator (fresh air recovery)

Passive Systems

- Skylights and windows located for optimal daylight and heat gain
- Windows for primary views and cross ventilation



The Green Building Institute will be featuring this house in their four part Spring 2010 LEED® for Homes education seminar. For all interested in attending, please sign up at www.greenbuildinginstitute.org.



Everyday Green provides consulting and verification for multiple green building programs including ENERGY STAR, LEED for Homes and NAHB Green. Contact us 202-213-6984 or visit www.everydaygreendc.com.



Studio27 Architecture is a architecture firm known for award winning designs and sustainable projects. For more information please contact us at: 202.939.0027 or info@studio27arch.com or visit us at www.studio27arch.com

+2edison7house

a new sustainable residence at the intersection of 27th and Edison Streets in Arlington, Virginia



United States Green Building Council's LEED for Homes is a rating system that promotes the design and construction of high-performance green homes. Green homes use less energy, water and natural resources, create less waste, and are more durable and comfortable for occupants



Arlington has developed the Green Home Choice program to provide a structure and support system within which builders and homeowners can build green. The program provides a listing of building techniques and components that result in a more efficient and healthy home.



National Association of Home Builders in partnership with the International Code Council (ICC) teamed to establish a much-needed nationally-recognizable standard definition of green building. The resulting ANSI approved National Green Building Standard (NGBS) includes single homes allowing for the flexibility required to select regionally-appropriate best green practices. The National Green Building Standard also introduced a new, fourth score – "Emerald" - to denote the pinnacle of achievement in residential green construction.

Light reflecting roof membrane

Occupiable roof + garden

Bio-base Icyene spray foam insulation

Dual flush toilets and low flow faucets

Composite wood and low urea-formaldehyde cabinets

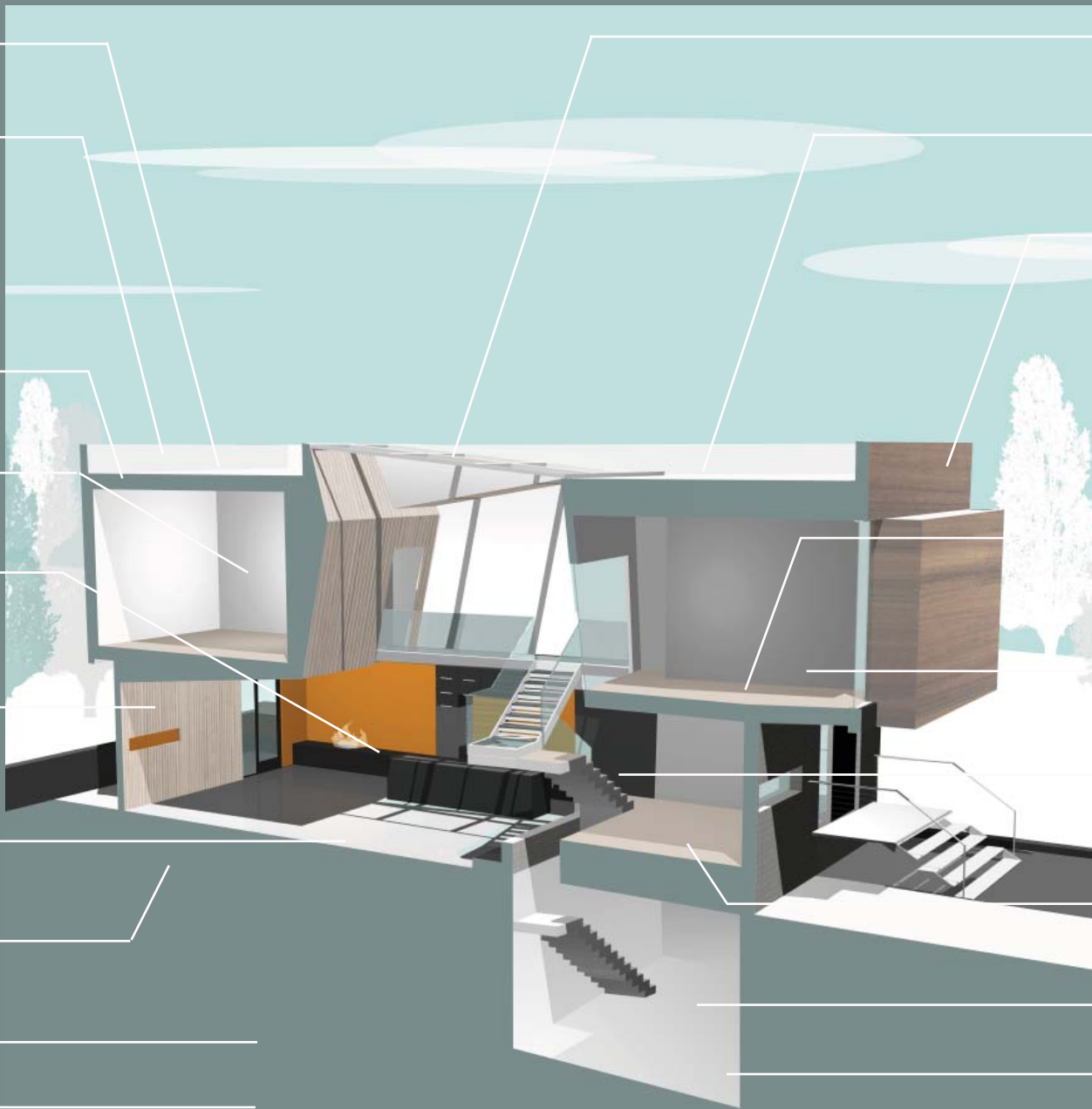
High R-value insulated window units for interior light and ventlation

Recycle glass aggregate exposed concrete floor

Rainwater harvesting cistern and irrigation system

Rear yard wildlife refuge

Landscaping with native species plants + productive vegetable garden



Skylights located for optimal daylighting

Solar Panel Array (future)

High recycle content, low maintainace exterior siding

Hardwood harvested from mantaining the Appalachian Trail

Low VOC paint and floor finishing

Interior wood lattice from Silver Maple tree harvested from front yard

Oak wood floors salvaged from original home

Recycle rubber flooring

Interior foundation drain and Radon Ventalation System

What is a **Green** Home?

A green home is a healthy, comfortable, cost efficient home that reduces energy and water usage and protects the environment.