

LEED for Homes Project Snapshot

2010 SINGLE FAMILY PROJECT
3404 TALON - ILM Design/Build
Wilmington, North Carolina
LEED PLATINUM

72% Expected Energy Savings
Based on HERS Score

91% Construction Waste
Diverted from Landfill



Photo Courtesy of: Jay DeChesere, AIA, LEED AP

STRATEGIES AND RESULTS

Talon Court is a normal home, showing that the average homeowner can incorporate "green" in their life. The home remains an ongoing learning lab & employs many green strategies as examples for the community to see & understand. Included are geothermal, renewable energy, solar thermal, recycled, rapidly renewable & salvaged materials, a green roof, rainwater harvesting, pervious pavement & efficient lighting. Talon Court is open for vendors, subs & team members for ongoing marketing. Out of this project the Sustainable Design Collaborative has sprung, focusing on assessments of existing homes to "create a pathway to sustainability" for a homeowner.

EXEMPLARY PERFORMANCE

Talon Court utilized not only a Design Team, but an Advisory Team & engaged the members of the Cape Fear Green Building Alliance, a grass roots non-profit educational group, as designers, vendors & subcontractors. The fireplace was removed, creating a daylighting opportunity. A totally new door product was developed using scrap lumber & plywood. A TV series is being created documenting the process & an ongoing web site continues beyond project completion. The home is open, as the architect's home & office as a laboratory for green strategies & for public tours. It achieved "gold" under NC HealthyBuilt Homes.

LEED™ Facts

3404 Talon Court

LEED for Homes
Certification Awarded 27 July 2010

Platinum 113.5*

Innovation in Design 9/11

Location & Linkages 7/10

Sustainable Sites 17/22

Water Efficiency 13/15

Energy & Atmosphere 33/38

Materials & Resources 14.5/16

Indoor Environmental Quality 18/21

Awareness & Education 2/3

*Out of 136 possible points

PROJECT BASICS

Project Type	Single Family
Conditioned Space	1648 sq ft
Bedrooms	3
Bathrooms	2
Lot Type	Previously Developed
Construction Type	Gut Rehab

KEYS TO SUCCESS

On Site Renewables	3KW
HVAC Type	Geothermal
Lighting	Halogen/CFL/LED
Roof Insulation Value	R-38
Water heating - Solar thermal	
Rainwater Harvesting - 86%	
Landscaping - Drought-tolerant/native	

THE LEED FOR HOMES DIFFERENCE

Construction Waste Management Plan	<input checked="" type="checkbox"/> YES!
On-Site Performance Tests	<input checked="" type="checkbox"/> YES!
Custom Durability Planning Checklist	<input checked="" type="checkbox"/> YES!
Third-Party Verified Documentation	<input checked="" type="checkbox"/> YES!

About the Project Team

DESIGN TEAM
 Architect-Jay DeChesere, AIA, LEED AP
 Wilmington, NC 910-350-0115
 Contractor-ILM Design/Build
 Landscape-Lara Berkley, ASLA, LEED AP
 Interiors-Big Sky Design
 Civil-McKim&Creed
 Energy Rater-Building Perf Specialists
 ADVISORY TEAM
 Mortgage Broker-Suntrust Bank
 Real Estate Broker-Intracoastal Realty
 Appraiser-Joseph Robb and Assoc
 Surveyor-Patrick Bristow, PLS

LEED for Homes Provider

North Carolina Solar Center

About LEED for Homes

LEED for Homes is a voluntary, third-party certification program developed by residential experts and experienced builders. LEED promotes the design and construction of high-performance green homes, and encourages the adoption of sustainable practices throughout the building industry.



www.usgbc.org/homes

The information provided is based on that stated in the LEED® project certification submittals. USGBC does not warrant or represent the accuracy of this information. Each building's actual performance is based on its unique design, construction, operation, and maintenance. Energy efficiency and sustainable results will vary.