

LEED for Homes Project Snapshot

Bloom General Contracting
Imwalle Residence
Ann Arbor, Michigan
LEED SILVER

56% Expected Energy Savings
 Based on HERS Score

60% Expected Water Savings
 Based on WE Credit Score



Photo Courtesy of: Bloom General Contracting

STRATEGIES AND RESULTS

Throughout the project, the purchasing of sustainable materials including adhesives & sealants with zero VOC's was emphasized, resulting in higher IEQ. We used Northern MI Oak hardwood flooring throughout the first floor of the home because of its proximity to the project. All carpeting and underlayment were Green Label Plus certified. We utilized a blown-in cellulose insulation. The fitness room boasts a 100% recycled rubber flooring. A drought resistant turf grass mix limits irrigation requirements, and only native species of bushes and trees were installed. The system is controlled by a RainBird Sensor that automatically adjusts the irrigation schedules if it senses rainfall.

EXEMPLARY PERFORMANCE

We achieved a Home Energy Rating Standard (HERS) Score of 44 for this home, which is one of the highest rated HERS scores in Michigan. Meaning that this home is 56% more efficient than a conventionally built new home, and 42% more efficient than Energy Star's standard for homes. To give you an understanding of what this equates to, the energy bill for this 4,500 sq. ft home during the month of July, was \$110 for both electric and gas. We achieved the high rating of LEED Silver by taking a whole systems design approach to building, and eliminating any weak points in the house.

PROJECT BASICS

Project Type	Single Family
Conditioned Space	4,500 sq ft
Bedrooms	6
Bathrooms	2+1/2
Lot Type	Edge
Construction Type	New Construction

KEYS TO SUCCESS

HVAC Type	HCFCfree
Decking	TREXrecycled
Insulation	cellulose
Outdoor air ventilation	HeatRecoverySystem
Minimal disturbance to site with plants/trees	
Preservation plan with "no disturbance" zones.	
Terracing & retaining walls on slopes.	

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

Project Team
 - Joshua Bloom
 - Jeff Caplan
 - Mike Contrera
 - Dan White
 - Neil Blazofsky
 - Barry Margolis
 Bloom General Contracting
 Architect: TK Design & Associates, Inc.

Rater Companies:
 Natural Solutions Construction, Co. LLC
 Pro Energy Consultants

LEED for Homes Provider

AES

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.

LEED™ Facts



Imwalle Residence

LEED for Homes
 Certification Awarded December 2013

Silver **72.5***

Innovation in Design 5/11

Location & Linkages 1/10

Sustainable Sites 14.5/22

Water Efficiency 5/15

Energy & Atmosphere 25.5/38

Materials & Resources 7.5/16

Indoor Environmental Quality 13/21

Awareness & Education 1/3

*Out of 136 possible points