



LEED for Homes Simplified Project Checklist

Builder Name:	Red-B Construction
Project Team Leader (if different):	Bill Beasley
Home Address (Street/City/State):	3411 Dover Road, Durham, NC

Project Description:

Building Type: **Single, detached**
 # of Bedrooms: **5**

Project type: **Gut-Rehab**
 Floor Area: **4,340**

Adjusted Certification Thresholds

Certified: **56.0** Gold: **86.0**
 Silver: **71.0** Platinum: **101.0**

Project Point Total: 91	ID: 1	SS: 13	EA: 23.5	EQ: 18
Certification Level: Gold	LL: 7	WE: 13	MR: 13	AE: 2

Notes:

- Detailed information on measures below are provided in the LEED for Homes Rating System
- ☒ Indicates measures that must be documented using the Accountability Form

Innovation and Design Process (ID)				(No Minimum Points Required)				Max Points Available	Project Points		
									Y / Pts	No	Maybe
1. Integrated Project Planning	1.1	Preliminary Rating		Prerequisite			P				
	1.2	Integrated Project Team		1						1	
	1.3	Professional Credentialed with Respect to LEED for Homes		1					1		
	1.4	Design Charrette		1					1		
	1.5	Building Orientation for Solar Design		1					1		
2. Durability Management Process	2.1	Durability Planning		Prerequisite			P				
	2.2	Durability Management		Prerequisite			P				
	2.3	Third-Party Durability Management Verification		3						3	
3. Innovative or Regional Design	☒ 3.1	Innovation #1		1					1		
	☒ 3.2	Innovation #2		1					1		
	☒ 3.3	Innovation #3		1					1		
	☒ 3.4	Innovation #4		1					1		
<i>Sub-Total for ID Category:</i>							11	1			
Location and Linkages (LL)				(No Minimum Points Required)				OR	Y / Pts	No	Maybe
1. LEED ND	1	LEED for Neighborhood Development	LL2-6	10					1		
	☒ 2	Site Selection		2				2			
3. Preferred Locations	3.1	Edge Development		1					1		
	3.2	Infill	LL 3.1	2				2			
	3.3	Previously Developed		1					1		
4. Infrastructure	4	Existing Infrastructure		1					1		
5. Community Resources/ Transit	5.1	Basic Community Resources / Transit		1					1		
	5.2	Extensive Community Resources / Transit	LL 5.1, 5.3	2						2	
	5.3	Outstanding Community Resources / Transit	LL 5.1, 5.2	3						3	
6. Access to Open Space	6	Access to Open Space		1					1		
<i>Sub-Total for LL Category:</i>							10	7			
Sustainable Sites (SS)				(Minimum of 5 SS Points Required)				OR	Y / Pts	No	Maybe
1. Site Stewardship	1.1	Erosion Controls During Construction		Prerequisite				P			
	1.2	Minimize Disturbed Area of Site		1					1		
2. Landscaping	☒ 2.1	No Invasive Plants		Prerequisite				P			
	☒ 2.2	Basic Landscape Design	SS 2.5	2					2		
	☒ 2.3	Limit Conventional Turf	SS 2.5	3					3		
	☒ 2.4	Drought Tolerant Plants	SS 2.5	2					2		
	☒ 2.5	Reduce Overall Irrigation Demand by at Least 20%		6							6
3. Local Heat Island Effects	☒ 3	Reduce Local Heat Island Effects		1					1		
4. Surface Water Management	4.1	Permeable Lot		4					1		
	4.2	Permanent Erosion Controls		1					1		
	4.3	Management of Run-off from Roof		2					1		
5. Nontoxic Pest Control	5	Pest Control Alternatives		2					1		
6. Compact Development	6.1	Moderate Density		2						2	
	6.2	High Density	SS 6.1, 6.3	3						3	
	6.3	Very High Density	SS 6.1, 6.2	4						4	
<i>Sub-Total for SS Category:</i>							22	13			

LEED for Homes Project Checklist (continued)

Water Efficiency (WE)				(Minimum of 3 WE Points Required)				OR	Max Points Available	Project Points		
									Y / Pts	No	Maybe	
1. Water Reuse	1.1	Rainwater Harvesting System	WE 1.3	4					3			
	1.2	Graywater Reuse System	WE 1.3	1					1			
	1.3	Use of Municipal Recycled Water System		3						3		
2. Irrigation System	☒ 2.1	High Efficiency Irrigation System	WE 2.3	3					3			
	2.2	Third Party Inspection	WE 2.3	1						1		
	☒ 2.3	Reduce Overall Irrigation Demand by at Least 45%		4							4	
3. Indoor Water Use	3.1	High-Efficiency Fixtures and Fittings		3						3		
	3.2	Very High Efficiency Fixtures and Fittings		6					6			

		Sub-Total for WE Category:		15	13		
Energy and Atmosphere (EA)		(Minimum of 0 EA Points Required)		OR	Y / Pts	No	Maybe
1. Optimize Energy Performance	1.1 Performance of ENERGY STAR for Homes 1.2 Exceptional Energy Performance			Prerequisite 34	P 22.5		
7. Water Heating	7.1 Efficient Hot Water Distribution 7.2 Pipe Insulation			2 1			2
11. Residential Refrigerant Management	11.1 Refrigerant Charge Test 11.2 Appropriate HVAC Refrigerants			Prerequisite 1	P		1
		Sub-Total for EA Category:		38	23.5		
Materials and Resources (MR)		(Minimum of 2 MR Points Required)		OR	Y / Pts	No	Maybe
1. Material-Efficient Framing	1.1 Framing Order Waste Factor Limit 1.2 Detailed Framing Documents 1.3 Detailed Cut List and Lumber Order 1.4 Framing Efficiencies 1.5 Off-site Fabrication		MR 1.5 MR 1.5 MR 1.5	Prerequisite 1 1 3 4	P 1 1 1.5		4
2. Environmentally Preferable Products	2.1 FSC Certified Tropical Wood 2.2 Environmentally Preferable Products			Prerequisite 8	P 8		
3. Waste Management	3.1 Construction Waste Management Planning 3.2 Construction Waste Reduction			Prerequisite 3	P 1.5		
		Sub-Total for MR Category:		16	13		
Indoor Environmental Quality (EQ)		(Minimum of 6 EQ Points Required)		OR	Y / Pts	No	Maybe
1. ENERGY STAR with IAP	1 ENERGY STAR with Indoor Air Package			13	13		
2. Combustion Venting	2.1 Basic Combustion Venting Measures 2.2 Enhanced Combustion Venting Measures	EQ 1 EQ 1		Prerequisite 2	P 1		
3. Moisture Control	3 Moisture Load Control	EQ 1		1	1		
4. Outdoor Air Ventilation	4.1 Basic Outdoor Air Ventilation 4.2 Enhanced Outdoor Air Ventilation 4.3 Third-Party Performance Testing	EQ 1 EQ 1 EQ 1		Prerequisite 2 1	P 1		2
5. Local Exhaust	5.1 Basic Local Exhaust 5.2 Enhanced Local Exhaust 5.3 Third-Party Performance Testing	EQ 1 EQ 1 EQ 1		Prerequisite 1 1	P 1 1		
6. Distribution of Space Heating and Cooling	6.1 Room-by-Room Load Calculations 6.2 Return Air Flow / Room by Room Controls 6.3 Third-Party Performance Test / Multiple Zones	EQ 1 EQ 1 EQ 1		Prerequisite 1 2	P 1 2		
7. Air Filtering	7.1 Good Filters 7.2 Better Filters 7.3 Best Filters	EQ 1 EQ 1 EQ 7.2		Prerequisite 1 2	P 1 1		2
8. Contaminant Control	8.1 Indoor Contaminant Control during Construction 8.2 Indoor Contaminant Control 8.3 Preoccupancy Flush	EQ 1 EQ 1 EQ 1		1 2 1	1 2 1		
9. Radon Protection	9.1 Radon-Resistant Construction in High-Risk Areas 9.2 Radon-Resistant Construction in Moderate-Risk Areas	EQ 1 EQ 1		Prerequisite 1	P 1		1
10. Garage Pollutant Protection	10.1 No HVAC in Garage 10.2 Minimize Pollutants from Garage 10.3 Exhaust Fan in Garage 10.4 Detached Garage or No Garage	EQ 1 EQ 1 EQ 1 EQ 1, 10.2, 10.		Prerequisite 2 1 3	P 1 3		2
		Sub-Total for EQ Category:		21	18		
Awareness and Education (AE)		(Minimum of 0 AE Points Required)			Y / Pts	No	Maybe
1. Education of the Homeowner or Tenant	1.1 Basic Operations Training 1.2 Enhanced Training 1.3 Public Awareness			Prerequisite 1 1	 1 1		
2. Education of Building Manager	2 Education of Building Manager			1			1
		Sub-Total for AE Category:		3	2		
LEED for Homes Point Totals:				136	90.5		
(Certification level)					Gold		



LEED for Homes Project Checklist

Addendum: Prescriptive Approach for Energy and Atmosphere (EA) Credits

Points cannot be earned in both the Prescriptive (below) and the Performance Approach (pg 2) of the EA section.

				OR	Max Points Available	Project Points		
Energy and Atmosphere (EA)		(No Minimum Points Required)			Y / Pts	No	Maybe	
2. Insulation	2.1 Basic Insulation 2.2 Enhanced Insulation			Prerequisite 2	P 2			
3. Air Infiltration	3.1 Reduced Envelope Leakage 3.2 Greatly Reduced Envelope Leakage 3.3 Minimal Envelope Leakage		EA 3.2	Prerequisite 2 3	P 2		3	
4. Windows	4.1 Good Windows 4.2 Enhanced Windows 4.3 Exceptional Windows		EA 4.2	Prerequisite 2 3	P 2		3	

5. Heating and Cooling Distribution System	5.1	Reduced Distribution Losses	EA 5.2	Prerequisite	P		
	5.2	Greatly Reduced Distribution Losses		2		2	
	5.3	Minimal Distribution Losses		3		3	
6. Space Heating and Cooling Equipment	6.1	Good HVAC Design and Installation	EA 6.2	Prerequisite	P		
	6.2	High-Efficiency HVAC		2		2	
	6.3	Very High Efficiency HVAC		4		3	
7. Water Heating	7.1	Efficient Hot Water Distribution		2		2	
	7.2	Pipe Insulation		1		1	
	7.3	Efficient Domestic Hot Water Equipment		3		3	
8. Lighting	8.1	ENERGY STAR Lights	EA 8.2	Prerequisite	P		
	8.2	Improved Lighting		2		2	
	8.3	Advanced Lighting Package		3		3	
9. Appliances	9.1	High-Efficiency Appliances		2		2	
	9.2	Water-Efficient Clothes Washer		1		1	
10. Renewable Energy	10	Renewable Energy System		10		10	
11. Residential Refrigerant Management	11.1	Refrigerant Charge Test		Prerequisite	P		
	11.2	Appropriate HVAC Refrigerants		1			1
<i>Sub-Total for EA Category:</i>				38		23.5	

By affixing my signature below, the undersigned does hereby declare and affirm to the USGBC that the LEED for Homes requirements, as specified in the LEED for Homes Rating System, have been met for the indicated credits and will, if audited, provide the necessary supporting documents.

Project Team Leader

Bill Beasley

Company

Signature

Date

By affixing my signature below, the undersigned does hereby declare and affirm to the USGBC that the required inspections and performance testing for the LEED for Homes requirements, as specified in the LEED for Homes Rating System, have been completed, and will provide the project documentation file, if requested.

Green Rater's Name

Company

Signature

Date

By affixing my signature below, the undersigned does hereby declare and affirm to the USGBC that the required inspections and performance testing for the LEED for Homes requirements, as specified in the LEED for Homes Rating System, have been completed, and will provide the project documentation file, if requested.

Provider's Name

Company

Signature

Date