

LEED for Homes Simplified Project Checklist



for Homes

Builder Name:	Harpeth Square Associates
Project Team Leader (if different):	Brent Roberts, R.C. Mathews Contractor
Home Address (Street/City/State):	159 1st Avenue North, Franklin, TN

Project Description:

Building type: **Multi-family**
of units: **150**

Project type: **Multi-family Dev**
Avg. Home Size Adjustment: **-3**

Adjusted Certification Thresholds

Certified: **42.0** Gold: **72.0**
Silver: **57.0** Platinum: **87.0**

Project Point Total	Final Credit Category Total Points				
Prelim: <i>77.5 + 0 maybe pts</i>	Final: 77.5	ID: 8	SS: 16	EA: 17.5	EQ: 6
Certification Level		LL: 8	WE: 9	MR: 11	AE: 2
Prelim: <i>Gold</i>	Final: Gold				

date last updated :
last updated by :

				Max Points	Project Points				
					Preliminary	Final			
Innovation and Design Process (ID) (No Minimum Points Required)				Max	Y/Pts	Maybe	No	Y/Pts	
1. Integrated Project Planning	1.1	Preliminary Rating		Prereq				Y	
	1.2	Integrated Project Team		1	1	0		1	
	1.3	Professional Credentialed with Respect to LEED for Homes		1	0	0		0	
	1.4	Design Charrette		1	1	0		1	
	1.5	Building Orientation for Solar Design		1	0	0		0	
2. Durability Management Process	2.1	Durability Planning		Prereq				Y	
	2.2	Durability Management		Prereq				Y	
	2.3	Third-Party Durability Management Verification		3	3	0		3	
3. Innovative or Regional Design	3.1	Innovation #1	Exemplary Performance: Irrigation	1	1	0		1	
	3.2	Innovation #2	Exemplary Performance: Irrigation	1	1	0		1	
	3.3	Innovation #3	Exemplary Performance: >40 units per acre	1	1	0		1	
	3.4	Innovation #4		1	0	0		0	
<i>Sub-Total for ID Category:</i>				11	8	0		8	
Location and Linkages (LL) (No Minimum Points Required)				OR	Max	Y/Pts	Maybe	No	Y/Pts
1. LEED ND	1	LEED for Neighborhood Development	LL 2-6	10	0	0		0	
2. Site Selection	2	Site Selection		2	0	0		0	
3. Preferred Locations	3.1	Edge Development	LL 3.2	1	0	0		0	
	3.2	Infill		2	2	0		2	
	3.3	Previously Developed		1	1	0		1	
4. Infrastructure	4	Existing Infrastructure		1	1	0		1	
5. Community Resources/ Transit	5.1	Basic Community Resources / Transit	LL 5.2, 5.3	1	0	0		0	
	5.2	Extensive Community Resources / Transit	LL 5.3	2	0	0		0	
	5.3	Outstanding Community Resources / Transit		3	3	0		3	
6. Access to Open Space	6	Access to Open Space		1	1	0		1	
<i>Sub-Total for LL Category:</i>				10	8	0		8	
Sustainable Sites (SS) (Minimum of 5 SS Points Required)				OR	Max	Y/Pts	Maybe	No	Y/Pts
1. Site Stewardship	1.1	Erosion Controls During Construction		Prereq				Y	
	1.2	Minimize Disturbed Area of Site		1	1	0		1	
2. Landscaping	2.1	No Invasive Plants		Prereq				Y	
	2.2	Basic Landscape Design	SS 2.5	2	2	0		2	
	2.3	Limit Conventional Turf	SS 2.5	3	3	0		3	
	2.4	Drought Tolerant Plants	SS 2.5	2	2	0		2	
	2.5	Reduce Overall Irrigation Demand by at Least 20%		6	0	0		0	
3. Local Heat Island Effects	3	Reduce Local Heat Island Effects		1	1	0		1	
4. Surface Water Management	4.1	Permeable Lot		4	0	0		0	
	4.2	Permanent Erosion Controls		1	1	0		1	
	4.3	Management of Run-off from Roof		2	0	0		0	
5. Nontoxic Pest Control	5	Pest Control Alternatives		2	2	0		2	
6. Compact Development	6.1	Moderate Density	SS 6.2, 6.3	2	0	0		0	
	6.2	High Density	SS 6.3	3	0	0		0	
	6.3	Very High Density		4	4	0		4	
<i>Sub-Total for SS Category:</i>				22	16	0		16	

LEED for Homes Simplified Project Checklist (continued)

				Max Points	Project Points				
					Preliminary	Maybe	No	Final	
				OR	Y/Pts	Y/Pts	Y/Pts	Y/Pts	
Water Efficiency (WE) (Minimum of 3 WE Points Required)				OR	Max	Y/Pts	Maybe	No	Y/Pts
1. Water Reuse	1.1	Rainwater Harvesting System	WE 1.3	4	0	0	0	0	
	1.2	Graywater Reuse System	WE 1.3	1	0	0	0	0	
	1.3	Use of Municipal Recycled Water System		3	0	0	0	0	
2. Irrigation System	2.1	High Efficiency Irrigation System	WE 2.3	3	3	0	0	3	
	2.2	Third Party Inspection	WE 2.3	1	1	0	0	1	
	2.3	Reduce Overall Irrigation Demand by at Least 45%		4	0	0	0	0	
3. Indoor Water Use	3.1	High-Efficiency Fixtures and Fittings		3	1	0	0	1	
	3.2	Very High Efficiency Fixtures and Fittings		6	4	0	0	4	
<i>Sub-Total for WE Category:</i>				15	9	0	0	9	
Energy and Atmosphere (EA) (Minimum of 0 EA Points Required)				OR	Max	Y/Pts	Maybe	No	Y/Pts
1. Optimize Energy Performance	1.1	Performance of ENERGY STAR for Homes		Prereq				Y	
	1.2	Exceptional Energy Performance		34	16.5	0	0	16.5	
7. Water Heating	7.1	Efficient Hot Water Distribution		2	0	0	0	0	
	7.2	Pipe Insulation		1	0	0	0	0	
11. Residential Refrigerant Management	11.1	Refrigerant Charge Test		Prereq				Y	
	11.2	Appropriate HVAC Refrigerants		1	1	0	0	1	
<i>Sub-Total for EA Category:</i>				38	17.5	0	0	17.5	
Materials and Resources (MR) (Minimum of 2 MR Points Required)				OR	Max	Y/Pts	Maybe	No	Y/Pts
1. Material-Efficient Framing	1.1	Framing Order Waste Factor Limit		Prereq				Y	
	1.2	Detailed Framing Documents	MR 1.5	1	0	0	0	0	
	1.3	Detailed Cut List and Lumber Order	MR 1.5	1	0	0	0	0	
	1.4	Framing Efficiencies	MR 1.5	3	0.5	0	0	0.5	
	1.5	Off-site Fabrication		4	0	0	0	0	
2. Environmentally Preferable Products	2.1	FSC Certified Tropical Wood		Prereq				Y	
	2.2	Environmentally Preferable Products		8	8	0	0	8	
3. Waste Management	3.1	Construction Waste Management Planning		Prereq				Y	
	3.2	Construction Waste Reduction		3	2.5	0	0	2.5	
<i>Sub-Total for MR Category:</i>				16	11	0	0	11	
Indoor Environmental Quality (EQ) (Minimum of 6 EQ Points Required)				OR	Max	Y/Pts	Maybe	No	Y/Pts
1. ENERGY STAR with IAP	1	ENERGY STAR with Indoor Air Package		13	0	0	0	0	
2. Combustion Venting	2.1	Basic Combustion Venting Measures	EQ 1	Prereq				Y	
	2.2	Enhanced Combustion Venting Measures	EQ 1	2	2	0	0	2	
3. Moisture Control	3	Moisture Load Control	EQ 1	1	0	0	0	0	
4. Outdoor Air Ventilation	4.1	Basic Outdoor Air Ventilation	EQ 1	Prereq				Y	
	4.2	Enhanced Outdoor Air Ventilation		2	0	0	0	0	
	4.3	Third-Party Performance Testing	EQ 1	1	0	0	0	0	
5. Local Exhaust	5.1	Basic Local Exhaust	EQ 1	Prereq				Y	
	5.2	Enhanced Local Exhaust		1	0	0	0	0	
	5.3	Third-Party Performance Testing		1	1	0	0	1	
6. Distribution of Space Heating and Cooling	6.1	Room-by-Room Load Calculations	EQ 1	Prereq				Y	
	6.2	Return Air Flow / Room by Room Controls	EQ 1	1	0	0	0	0	
	6.3	Third-Party Performance Test / Multiple Zones	EQ 1	2	0	0	0	0	
7. Air Filtering	7.1	Good Filters	EQ 1	Prereq				Y	
	7.2	Better Filters	EQ 7.3	1	0	0	0	0	
	7.3	Best Filters		2	0	0	0	0	
8. Contaminant Control	8.1	Indoor Contaminant Control during Construction	EQ 1	1	0	0	0	0	
	8.2	Indoor Contaminant Control		2	0	0	0	0	
	8.3	Preoccupancy Flush	EQ 1	1	0	0	0	0	
9. Radon Protection	9.1	Radon-Resistant Construction in High-Risk Areas	EQ 1	Prereq				Y	
	9.2	Radon-Resistant Construction in Moderate-Risk Areas	EQ 1	1	0	0	0	0	
10. Garage Pollutant Protection	10.1	No HVAC in Garage	EQ 1	Prereq				Y	
	10.2	Minimize Pollutants from Garage	EQ 1, 10.4	2	2	0	0	2	
	10.3	Exhaust Fan in Garage	EQ 1, 10.4	1	1	0	0	1	
	10.4	Detached Garage or No Garage	EQ 1	3	0	0	0	0	
<i>Sub-Total for EQ Category:</i>				21	6	0	0	6	
Awareness and Education (AE) (Minimum of 0 AE Points Required)				OR	Max	Y/Pts	Maybe	No	Y/Pts
1. Education of the Homeowner or Tenant	1.1	Basic Operations Training		Prereq				Y	
	1.2	Enhanced Training		1	0	0	0	0	
	1.3	Public Awareness		1	1	0	0	1	
2. Education of Building Manager	2	Education of Building Manager		1	1	0	0	1	
<i>Sub-Total for AE Category:</i>				3	2	0	0	2	

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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.

Energy and Atmosphere (EA) (No Minimum Points Required) OR				Max Points	Project Points			
					Preliminary			Final
				Max	Y/Pts	Maybe	No	Y/Pts
2. Insulation	2.1	Basic Insulation		Prereq				
	2.2	Enhanced Insulation		2	0	0	0	0
3. Air Infiltration	3.1	Reduced Envelope Leakage	EA 3.2	Prereq				
	3.2	Greatly Reduced Envelope Leakage		2	0	0	0	0
	3.3	Minimal Envelope Leakage		3	0	0	0	0
4. Windows	4.1	Good Windows	EA 4.2	Prereq				
	4.2	Enhanced Windows		2	0	0	0	0
	4.3	Exceptional Windows		3	0	0	0	0
5. Heating and Cooling Distribution System	5.1	Reduced Distribution Losses	EA 5.2	Prereq				
	5.2	Greatly Reduced Distribution Losses		2	0	0	0	0
	5.3	Minimal Distribution Losses		3	0	0	0	0
6. Space Heating and Cooling Equipment	6.1	Good HVAC Design and Installation	EA 6.2	Prereq				
	6.2	High-Efficiency HVAC		2	0	0	0	0
	6.3	Very High Efficiency HVAC		4	0	0	0	0
7. Water Heating	7.1	Efficient Hot Water Distribution		2	0	0	0	0
	7.2	Pipe Insulation		1	0	0	0	0
	7.3	Efficient Domestic Hot Water Equipment		3	0	0	0	0
8. Lighting	8.1	ENERGY STAR Lights	EA 8.2	Prereq				
	8.2	Improved Lighting		2	0	0	0	0
	8.3	Advanced Lighting Package		3	0	0	0	0
9. Appliances	9.1	High-Efficiency Appliances		2	0	0	0	0
	9.2	Water-Efficient Clothes Washer		1	0	0	0	0
10. Renewable Energy	10	Renewable Energy System		10	0	0	0	0
11. Residential Refrigerant Management	11.1	Refrigerant Charge Test		Prereq				
	11.2	Appropriate HVAC Refrigerants		1	0	0	0	0
<i>Sub-Total for EA Category:</i>				38	17.5	0		17.5