

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**

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

date last updated :  
last updated by :

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

## LEED for Homes Simplified Project Checklist (continued)

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

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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.*

<b>Energy and Atmosphere (EA)</b> (No Minimum Points Required) OR				Max Points	Project Points			
					Preliminary			Final
				Max	Y/Pts	Maybe	No	Y/Pts
<b>2. Insulation</b>	2.1	Basic Insulation		Prereq				
	2.2	Enhanced Insulation		2	0	0	0	0
<b>3. Air Infiltration</b>	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
<b>4. Windows</b>	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
<b>5. Heating and Cooling Distribution System</b>	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
<b>6. Space Heating and Cooling Equipment</b>	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
<b>7. Water Heating</b>	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
<b>8. Lighting</b>	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
<b>9. Appliances</b>	9.1	High-Efficiency Appliances		2	0	0	0	0
	9.2	Water-Efficient Clothes Washer		1	0	0	0	0
<b>10. Renewable Energy</b>	10	Renewable Energy System		10	0	0	0	0
<b>11. Residential Refrigerant Management</b>	11.1	Refrigerant Charge Test		Prereq				
	11.2	Appropriate HVAC Refrigerants		1	0	0	0	0
<i>Sub-Total for EA Category:</i>				<b>38</b>	<b>17.5</b>	<b>0</b>		<b>17.5</b>