



for Homes

LEED for Homes Simplified Project Checklist

Builder Name:	Adaptive Building Solutions, LLC
Project Team Leader (if different):	Mike Mahon, Adaptive Building Solutions, LLC
Home Address (Street/City/State):	713 Merlin Way, Dexter, Michigan

Project Description:

Adjusted Certification Thresholds

Building type: **Single detached**
 # of bedrooms: **4**

Project type: **Custom**
 Floor area: **4412**

Certified: **58.5**
 Silver: **73.5**
 Gold: **88.5**
 Platinum: **103.5**

Project Point Total		Final Credit Category Total Points			
Prelim: 27 + 1 maybe pts	Final: 88.5	ID: 6	SS: 17	EA: 29	EQ: 13
Certification Level		LL: 5	WE: 5	MR: 11.5	AE: 2
Prelim: Not Certified	Final: Gold				

date last updated :
 last updated by :

Max **Project Points**
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	0	0		1	
	1.3 Professional Credentialed with Respect to LEED for Homes			1	0	0		0	
	1.4 Design Charrette			1	0	0		1	
	1.5 Building Orientation for Solar Design			1	0	0		1	
2. Durability Management Process	2.1 Durability Planning			Prereq				Y	
	2.2 Durability Management			Prereq				Y	
	2.3 Third-Party Durability Management Verification			3	0	0		3	
3. Innovative or Regional Design	3.1 Innovation #1 _____			1	0	0		0	
	3.2 Innovation #2 _____			1	0	0		0	
	3.3 Innovation #3 _____			1	0	0		0	
	3.4 Innovation #4 _____			1	0	0		0	
<i>Sub-Total for ID Category:</i>				11	0	0		6	
Location and Linkages (LL)		(No Minimum Points Required)		OR	Max	Y/Pts	Maybe	No	Y/Pts
1. LEED ND	1 LEED for Neighborhood Development	LL2-6		10	0	0		0	
2. Site Selection	2 Site Selection			2	0	0		2	
3. Preferred Locations	3.1 Edge Development	LL 3.2		1	0	0		0	
	3.2 Infill			2	0	0		2	
	3.3 Previously Developed			1	0	0		0	
4. Infrastructure	4 Existing Infrastructure			1	0	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	0	0		0	
6. Access to Open Space	6 Access to Open Space			1	0	0		0	
<i>Sub-Total for LL Category:</i>				10	0	0		5	
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	0	0		1	
2. Landscaping	2.1 No Invasive Plants			Prereq				Y	
	2.2 Basic Landscape Design	SS 2.5		2	0	0		2	
	2.3 Limit Conventional Turf	SS 2.5		3	0	0		3	
	2.4 Drought Tolerant Plants	SS 2.5		2	0	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	0	0		0	
4. Surface Water Management	4.1 Permeable Lot			4	0	0		4	
	4.2 Permanent Erosion Controls			1	0	0		1	
	4.3 Management of Run-off from Roof			2	0	0		2	
5. Nontoxic Pest Control	5 Pest Control Alternatives			2	0	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	0	0		0	
<i>Sub-Total for SS Category:</i>				22	0	0		17	

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				Max Points	Project Points			Final	
				Max	Y/Pts	Maybe	No	Y/Pts	
				OR	Y/Pts	Maybe	No	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 <input checked="" type="checkbox"/>	2.1	High Efficiency Irrigation System	WE 2.3	3	0	0	0	0	
	2.2	Third Party Inspection	WE 2.3	1	0	0	0	0	
	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	0	0	0	1	
	3.2	Very High Efficiency Fixtures and Fittings		6	0	0	0	4	
<i>Sub-Total for WE Category:</i>				15	0	0	0	5	
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	27	0	0	27	
7. Water Heating <input checked="" type="checkbox"/>	7.1	Efficient Hot Water Distribution		2	0	0	0	0	
	7.2	Pipe Insulation		1	0	0	0	1	
11. Residential Refrigerant Management	11.1	Refrigerant Charge Test		Prereq				Y	
	11.2	Appropriate HVAC Refrigerants		1	0	0	0	1	
<i>Sub-Total for EA Category:</i>				38	27	1	0	29	
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	1	
	1.3	Detailed Cut List and Lumber Order	MR 1.5	1	0	0	0	1	
	1.4	Framing Efficiencies	MR 1.5	3	0	0	0	3	
	1.5	Off-site Fabrication		4	0	0	0	0	
2. Environmentally Preferable Products <input checked="" type="checkbox"/>	2.1	FSC Certified Tropical Wood		Prereq				Y	
	2.2	Environmentally Preferable Products		8	0	0	0	6.5	
3. Waste Management	3.1	Construction Waste Management Planning		Prereq				Y	
	3.2	Construction Waste Reduction		3	0	0	0	0	
<i>Sub-Total for MR Category:</i>				16	0	0	0	11.5	
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	13	
2. Combustion Venting	2.1	Basic Combustion Venting Measures	EQ 1	Prereq				Y	
	2.2	Enhanced Combustion Venting Measures	EQ 1	2	0	0	0	0	
3. Moisture Control	3	Moisture Load Control	EQ 1	1	0	0	0	0	
4. Outdoor Air Ventilation <input checked="" type="checkbox"/>	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 <input checked="" type="checkbox"/>	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	0	0	0	0	
6. Distribution of Space Heating and Cooling <input checked="" type="checkbox"/>	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 <input checked="" type="checkbox"/>	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 <input checked="" type="checkbox"/>	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	0	0	0	0	
	10.3	Exhaust Fan in Garage	EQ 1, 10.4	1	0	0	0	0	
	10.4	Detached Garage or No Garage	EQ 1	3	0	0	0	0	
<i>Sub-Total for EQ Category:</i>				21	0	0	0	13	
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 <input checked="" type="checkbox"/>	1.1	Basic Operations Training		Prereq				Y	
	1.2	Enhanced Training		1	0	0	0	1	
	1.3	Public Awareness		1	0	0	0	1	
2. Education of Building Manager <input checked="" type="checkbox"/>	2	Education of Building Manager		1	0	0	0	0	
<i>Sub-Total for AE Category:</i>				3	0	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		
					Y/Pts	Maybe	No
2. Insulation	2.1 Basic Insulation 2.2 Enhanced Insulation			Prereq 2	0	0	0
3. Air Infiltration	3.1 Reduced Envelope Leakage 3.2 Greatly Reduced Envelope Leakage 3.3 Minimal Envelope Leakage	EA 3.2		Prereq 2 3	0	0	0
4. Windows	4.1 Good Windows 4.2 Enhanced Windows 4.3 Exceptional Windows	EA 4.2		Prereq 2 3	0	0	0
5. Heating and Cooling Distribution System	5.1 Reduced Distribution Losses 5.2 Greatly Reduced Distribution Losses 5.3 Minimal Distribution Losses	EA 5.2		Prereq 2 3	0	0	Y 0
6. Space Heating and Cooling Equipment	<input checked="" type="checkbox"/> 6.1 Good HVAC Design and Installation 6.2 High-Efficiency HVAC 6.3 Very High Efficiency HVAC	EA 6.2		Prereq 2 4	0	0	0
7. Water Heating	<input checked="" type="checkbox"/> 7.1 Efficient Hot Water Distribution 7.2 Pipe Insulation 7.3 Efficient Domestic Hot Water Equipment			2 1 3	0	0	0
8. Lighting	8.1 ENERGY STAR Lights 8.2 Improved Lighting 8.3 Advanced Lighting Package	EA 8.2		Prereq 2 3	0	0	0
9. Appliances	9.1 High-Efficiency Appliances 9.2 Water-Efficient Clothes Washer			2 1	0	0	0
10. Renewable Energy	<input checked="" type="checkbox"/> 10 Renewable Energy System			10	0	0	0
11. Residential Refrigerant Management	11.1 Refrigerant Charge Test 11.2 Appropriate HVAC Refrigerants			Prereq 1	0	0	0
<i>Sub-Total for EA Category:</i>				38	27	1	29