



for Homes

LEED for Homes Project Checklist

Builder Name:	Venture Construction Group
Project Team Leader:	James Hunzinger -LEED Homes AP, Sustainable Building Solutions
Home Address (Street/City/State):	1825 N Prospect Ave, Milwaukee, WI 53202

Project Description

Building Type: **Multi-family**
 # of Units: **34**

Project type: **Multi-family Developer**
 Avg. Home Size Adjustment: **-4**

Adjusted Certification Thresholds

Certified: **41.0** Gold: **71.0**
 Silver: **56.0** Platinum: **86.0**

Project Point Total	Final Credit Category Point Totals			
Prelim: 97.5 + 0 maybe pts Final: 97.5	ID: 10	SS: 15	EA: 24	EQ: 14
Certification Level	LL: 10	WE: 7	MR: 14.5	AE: 3
Prelim: Platinum Final: Platinum				
Date Most Recently Updated: 11/92018	Updated by: Phil Vetterkind , Tom Krawczyk			

☞ Indicates that an Accountability Form is required.

Max Pts. Available	Preliminary Rating			Project Points
	Y / Pts	Maybe	No	

Innovation & Design Process (ID)	(Minimum 0 ID Points Required)			Notes	Final: 10
1. Integrated Project Planning					
1.1 Preliminary Rating	Prereq.	Y			Y
Target performance tier:				Platinum	
1.2 Integrated Project Team <i>(meet all of the following)</i>	1	1	0		1
<input checked="" type="checkbox"/> a) Individuals or organizations with necessary capabilities				<input checked="" type="checkbox"/> c) Regular meetings held with project team	
<input checked="" type="checkbox"/> b) All team members involved in various project phases					
1.3 Professional Credentialed with Respect to LEED for Homes	1	1	0	James Hunzinger AP Homes	1
1.4 Design Charrette	1	1	0		1
1.5 Building Orientation for Solar Design <i>(meet all of the following)</i>	1	0	0		0
<input type="checkbox"/> a) Glazing area on north/south walls 50% greater than on east/west walls				<input type="checkbox"/> c) At least 450 sq. ft. of south-facing roof area, oriented for solar applications	
<input type="checkbox"/> b) East-west axis is within 15 degrees of due east-west				<input type="checkbox"/> d) 90% of south-facing glazing is shaded in summer, unshaded in winter	
2. Quality Management for Durability					
2.1 Durability Planning <i>(meet all of the following)</i>	Prereq.	Y			Y

- a) Durability evaluation completed
- b) Strategies developed to address durability issues
- c-i) Nonpaper-faced backer board in tub, shower, spa areas
- c-ii) No carpet in kitchen, bathroom, laundry, and spa areas
- c-iii) No carpet within 3 ft of each entryway
- c-iv) Install drain and drain pans in tank water heaters in/over living spaces; OR
- no tank water heaters in/over living spaces

- c-v) Install drain and drain pans for clothes washers in/over living spaces; OR
- no clothes washers in/over living spaces
- c-vi) Exhaust conventional clothes dryers directly to outdoors
- c-vii) Install drain and drain pan for condensing clothes dryers
- d) Durability strategies incorporated into project documentation
- e) Durability measures listed in durability inspection checklist

2.2	Durability Management (<i>meet one of the following</i>)	Prereq.	Y		Y	
	<input type="checkbox"/> Builder has a quality management process in place			<input type="checkbox"/> Builder conducted inspection using durability inspection checklist		
2.3	Third-Party Durability Management Verification	3	3	0	3	
3. Innovative or Regional Design						
3.1	≈ Innovation 1 (ruling #): SS cr 6 exep perf	1	1	0	Units per acre 1	
3.2	≈ Innovation 2 (ruling #): LL Cr 5.3 Exemp Perf.	1	1	0	Bus rides per day 1	
3.3	≈ Innovation 3 (ruling #): ID pc28 Trades Training	1	1	0	2 Mock-up Demo Units 1	
3.4	≈ Innovation 4 (ruling #): NC SSc3 Brownfield Developemen	1	1	0	Asbestos Remediation 1	
Location & Linkages (LL) (Minimum 0 LL Points Required)		Max: 10	Y:10	M:0	Notes	Final: 10
1. LEED for Neighborhood Development						
1	LEED for Neighborhood Development	10	0	0	0	
2. Site Selection						
2	≈ Site Selection (<i>meet all of the following</i>)	2	2	0	2	
	<input type="checkbox"/> a) Built above 100-year floodplain defined by FEMA			<input type="checkbox"/> d) Not built on land that was public parkland prior to acquisition		
	<input type="checkbox"/> b) Not built on habitat for threatened or endangered species			<input type="checkbox"/> e) Not built on land with prime soils, unique soils, or soils of state significance		
	<input type="checkbox"/> c) Not built within 100 ft of water, including wetlands					
3. Preferred Locations						
3.1	Edge Development	1	0	0	0	
OR	3.2 Infill	2	2	0	2	
AND/OR	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 (<i>meet one of the following</i>)	1	0	0	0	
	<input type="checkbox"/> a) Within 1/4 mile of 4 basic community resources			<input type="checkbox"/> c) Within 1/2 mile of transit services providing 30 rides per weekday		
	<input type="checkbox"/> b) Within 1/2 mile of 7 basic community resources					
OR	5.2 Extensive Community Resources / Transit (<i>meet one of the following</i>)	2	0	0	0	
	<input type="checkbox"/> a) Within 1/4 mile of 7 basic community resources			<input type="checkbox"/> c) Within 1/2 mile of transit services providing 60 rides per weekday		
	<input type="checkbox"/> b) Within 1/2 mile of 11 basic community resources					
OR	5.3 Outstanding Community Resources / Transit (<i>meet one of the following</i>)	3	3	0	Documentation in folder 3	
	<input type="checkbox"/> a) Within 1/4 mile of 11 basic community resources			<input checked="" type="checkbox"/> c) Within 1/2 mile of transit services providing 125 rides per weekday		
	<input type="checkbox"/> b) Within 1/2 mile of 14 basic community resources					
6. Access to Open Space						
6	Access to Open Space	1	1	0	Documentation in folder 1	

Sustainable Sites (SS) (Minimum 5 SS Points Required)		Max: 22	Y:15	M:0	Notes	Final: 15
1. Site Stewardship						
1.1	Erosion Controls During Construction (<i>meet all of the following</i>)	Prereq.	Y			Y
	<input type="checkbox"/> a) Stockpile and protect disturbed topsoil from erosion. <input type="checkbox"/> b) Control the path and velocity of runoff with silt fencing or equivalent. <input type="checkbox"/> c) Protect sewer inlets, streams, and lakes with straw bales, silt fencing, etc.				<input type="checkbox"/> d) Provide swales to divert surface water from hillsides <input type="checkbox"/> e) Use tiers, erosion blankets, compost blankets, etc. on sloped areas.	
1.2	Minimize Disturbed Area of Site (<i>meet the appropriate requirements</i>)	1	1	0		1
	Where the site is not previously developed, meet all the following:					
	<input type="checkbox"/> a) Develop tree / plant preservation plan with "no-disturbance" zones <input type="checkbox"/> b) Leave 40% of buildable lot area, not including area under roof, undisturbed					
	OR Where the site is previously developed, meet all the following:					
	<input type="checkbox"/> c) Develop tree / plant preservation plan with "no-disturbance" zones AND <input type="checkbox"/> Rehabilitate lot; undo soil compaction and remove invasive plants AND <input type="checkbox"/> Meet the requirements of SS 2.2					
	OR <input type="checkbox"/> d) Build on a lot of 1/7 acre or less, or 7 units per acre.					
2. Landscaping						
2.1	2.1 No Invasive Plants	Prereq.	Y			Y
2.2	2.2 Basic Landscaping Design (<i>meet all of the following</i>)	2	0	0		0
	<input type="checkbox"/> a) Any turf must be drought-tolerant. <input type="checkbox"/> b) Do not use turf in densely shaded areas. <input type="checkbox"/> c) Do not use turf in areas with slope of 25%				<input type="checkbox"/> d) Add mulch or soil amendments as appropriate. <input type="checkbox"/> e) All compacted soil must be tilled to at least 6 inches.	
AND/OR	2.3 2.3 Limit Conventional Turf	3	0	0	Needs calculations to confirm	0
	<input type="text"/> Percentage of designed landscape softscape area that is turf					
AND/OR	2.4 2.4 Drought-Tolerant Plants	2	0	0		0
	<input type="text"/> Percentage of installed plants that are drought-tolerant					
OR	2.5 2.5 Reduce Overall Irrigation Demand by at Least 20%	6	6	0		6
	<input type="text"/> 51% Percentage reduction in estimated irrigation water demand				(calculate)	
3. Reduce Local Heat Island Effects						
3	3 Reduce Local Heat Island Effects (<i>meet one of the following</i>)	1	1	0	Blue Roof (which is white)	1
	<input type="checkbox"/> a) Locate trees / plantings to provide shade for 50% of hardscapes				<input type="checkbox"/> b) Install light-colored, high-albedo materials for 50% of sidewalks, patios, and driveways	

4. Surface Water Management						
4.1	<input checked="" type="checkbox"/> Permeable Lot	4	0	0	High costs	0
	<input type="checkbox"/> vegetative landscape					
	<input type="checkbox"/> permeable paving					
	<input type="checkbox"/> impermeable surfaces directed to infiltration features					
	<input type="checkbox"/> other impermeable surfaces (areas not counted towards credit)					
4.2	Permanent Erosion Controls (<i>meet one of the following</i>)	1	1	0	See L-1 for retaining wall detail	1
	<input checked="" type="checkbox"/> a) For portions of lot on steep slope, use terracing and retaining walls					
	<input type="checkbox"/> b) Plant trees, shrubs, or groundcover					
4.3	<input checked="" type="checkbox"/> Management of Runoff from Roof (<i>meet any, see Rating System for pts</i>)	2	0	0		0
	<input type="checkbox"/> a) Install permanent stormwater controls to manage runoff from the home					
	<input type="checkbox"/> b) Install vegetated roof to cover 50% of roof area					
	<input type="checkbox"/> c) Install vegetated roof to cover 100% of roof area					
	<input type="checkbox"/> d) Have lot designed by professional to manage runoff from home on-site					
5. Nontoxic Pest Control						
5	Pest Control Alternatives (<i>meet any of the following, 1/2 pt each</i>)	2	2	0		2
	<input checked="" type="checkbox"/> a) Keep all exterior wood at least 12" above soil					
	<input checked="" type="checkbox"/> b) Seal external cracks, joints, etc. with caulking and install pest-proof screens					
	<input checked="" type="checkbox"/> c) Include no wood-to-concrete connections, or separate connections with dividers					
	<input type="checkbox"/> d) Install landscaping so mature plants are 24" from home					
	<input type="checkbox"/> e) In 'moderate' to 'very heavy' termite risk areas:					
	<input type="checkbox"/> i) Treat all cellulosic material with borate product to 3' above foundation					
	<input type="checkbox"/> ii) Install sand or diatomaceous earth barrier					
	<input type="checkbox"/> iii) Install steel mesh barrier termite control system					
	<input type="checkbox"/> iv) Install non-toxic termite bait system					
	<input type="checkbox"/> v) Use noncellulosic wall structure					
	<input type="checkbox"/> vi) Use solid concrete foundation walls or pest-proof masonry wall design					
6. Compact Development						
6.1	Moderate Density	2	0	0		0
	<input type="text" value="34"/> # of total units on the lot					
	<input type="text" value="0.4"/> lot size (acres)					
	<input type="text" value="81.0"/> density (units/acre)					
OR	6.2 High Density	3	0	0		0
OR	6.3 Very High Density	4	4	0		4
Water Efficiency (WE) (Minimum 3 WE Points Required)						
		Max: 15	Y:7	M:0	Notes	Final: 7
1. Water Reuse						
1.1	Rainwater Harvesting System	4	0	0		0
	<input type="text" value="0%"/> Percentage of roof area used for harvesting					
	<input type="text" value="Outdoor only"/> Application					
AND/OR	1.2 Graywater Reuse System	1	0	0		0
OR	1.3 Use of Municipal Recycled Water System	3	0	0		0

2. Irrigation System					
2.1	<input checked="" type="checkbox"/> High-Efficiency Irrigation System (<i>meet any of the following, 1 pt each</i>)	3	0	0	0
	<input type="checkbox"/> a) Irrigation system designed by EPA Water Sense certified professional <input type="checkbox"/> b) Irrigation system with head-to-head coverage <input type="checkbox"/> c) Install central shut-off valve <input type="checkbox"/> d) Install submeter for the irrigation system <input type="checkbox"/> e) Use drip irrigation for 50% of planting beds <input type="checkbox"/> f) Create separate zones for each type of bedding		<input type="checkbox"/> g) Install timer or controller for each watering zone <input type="checkbox"/> h) Install pressure-regulating devices <input type="checkbox"/> i) High-efficiency nozzles with distribution uniformity of at least 0.70. <input type="checkbox"/> j) Install check valves in heads <input type="checkbox"/> k) Install moisture sensor or rain delay controller		
AND/OR	2.2 Third-party Inspection	1	0	0	0
OR	2.3 <input checked="" type="checkbox"/> Reduce Overall Irrigation Demand by at Least 45%	4	2	0	<i>Calculated</i> 2
	51% Percentage reduction in estimated irrigation water demand			<i>(calculate)</i>	
3. Indoor Water Use					
3.1	High-Efficiency Fixtures and Fittings (<i>meet any of the following, 1 pt each</i>)	3	1	0	1
	<input type="checkbox"/> a) Average flow rate of lavatory faucets is ≤ 2.00 gpm <input type="checkbox"/> b) Average flow rate for all showers is ≤ 2.00 gpm per stall		<input type="checkbox"/> c) Average flow rate for all toilets is ≤ 1.30 gpf; OR <input type="checkbox"/> Toilets are dual-flush; OR <input type="checkbox"/> Toilets meet the EPA Water Sense specification		
3.2	Very High-Efficiency Fixtures and Fittings (<i>meet any, 2 pts each</i>)	6	4	0	<i>Tom to verify picture of showerhead box</i> 4
	<input type="checkbox"/> a) Average flow rate of lavatory faucets is ≤ 1.50 gpm; OR <input type="checkbox"/> Lavatory faucets meet the EPA Water Sense specification		<input checked="" type="checkbox"/> b) Average flow rate for all showers ≤ 1.75 gpm per stall <input type="checkbox"/> c) Average flow rate for all toilets is ≤ 1.10 gpf		
Energy & Atmosphere (EA) (Minimum 0 EA Points Required) Max: 38 Y:24 M:0 Notes Final: 24					
<i>Important note: projects registered after October 1st, 2014 that use the performance path must achieve a HERS Index of 70 or lower.</i>					
1. Optimize Energy Performance					
1.1	Performance of ENERGY STAR for Homes	<i>Prereq.</i>	Y		Y
1.2	Exceptional Energy Performance	34	23	0	23
	6 IECC climate zone		43 HERS Index		
7. Water Heating					
7.1	<input checked="" type="checkbox"/> Efficient Hot Water Distribution System (<i>meet one of the following</i>)	2	0	0	<i>Not available</i> 0
	<input type="checkbox"/> a) Structured plumbing system <input type="checkbox"/> b) Central manifold distribution system		<input type="checkbox"/> c) Compact design of conventional system		
7.2	Pipe Insulation	1	0	0	<i>Need clarification from plumbing designer</i> 0
11. Residential Refrigerant Management					
11.1	Refrigerant Charge Test	<i>Prereq.</i>	Y		<i>Geothermal / exempt</i> Y
11.2	Appropriate HVAC Refrigerants (<i>meet one of the following</i>)	1	1	0	<i>Geothermal</i> 1
	<input type="checkbox"/> a) Use no refrigerants <input checked="" type="checkbox"/> b) Use non-HCFC refrigerants		<input type="checkbox"/> c) Use refrigerants that complies with global warming potential equation		

1. Material-Efficient Framing

1.1	Framing Order Waste Factor	Prereq.	Y		Y
1.2	Detailed Framing Documents	1	1	0	1
AND/OR	1.3 Detailed Cut List and Lumber Order	1	1	0	1
	<input type="checkbox"/> Requirements of MR 1.2 have been met				<input type="checkbox"/> Detailed cut list and lumber order corresponding to framing plans or scopes
AND/OR	1.4 Framing Efficiencies (meet any of the following, see Rating System for pts)	3	2.5	0	2.5
	<input type="checkbox"/> Precut framing packages				<input type="checkbox"/> Stud spacing greater than 16" on center
	<input type="checkbox"/> Open-web floor trusses				<input type="checkbox"/> Ceiling joist spacing greater than 16" on center
	<input type="checkbox"/> Structural insulated panel walls				<input type="checkbox"/> Floor joist spacing greater than 16" on center
	<input type="checkbox"/> Structural insulated panel roof				<input type="checkbox"/> Roof rafter spacing greater than 16" on center
	<input type="checkbox"/> Structural insulated panel floors				<input checked="" type="checkbox"/> Two of the following: Size headers for loads; ladder blocking; drywall clips; 2-stud corners
OR	1.5 Off-site Fabrication (meet one of the following)	4	0	0	0
	<input type="checkbox"/> a) Panelized construction				<input type="checkbox"/> b) Modular, prefabricated construction

2. Environmentally Preferable Products

2.1	≠ FSC Certified Tropical Wood (meet all of the following)	Prereq.	Y		Y
	<input type="checkbox"/> a) Provide suppliers with a notice of preference for FSC products; AND				<input checked="" type="checkbox"/> b) No tropical wood installed (exceptions for FSC-certified or reclaimed wood)
	<input type="checkbox"/> Request country of manufacture for each wood product				
2.2	≠ Environmentally Preferable Products (meet any, 1/2 pt each)	8	8	0	8

Assembly : component	(a) EPP	(b) Low emission	(c) Local production
Exterior wall: framing	<input checked="" type="checkbox"/>	type: Metal Paneling	<input type="checkbox"/>
Exterior wall: siding or masonry	<input checked="" type="checkbox"/>	type: Calstar Brick	<input checked="" type="checkbox"/>
Floor: flooring	<input checked="" type="checkbox"/> (45%)	type: EarthWerks 50% recycled	<input type="checkbox"/> (45%)
Floor: flooring	<input type="checkbox"/> (90%)	type: _____	<input type="checkbox"/> (90%)
Floor: flooring			<input type="checkbox"/> Green Label Plus
Floor: framing	<input type="checkbox"/>	type: _____	<input type="checkbox"/>
Foundation: aggregate	<input checked="" type="checkbox"/>	type: Reuse	<input checked="" type="checkbox"/>
Foundation: cement	<input checked="" type="checkbox"/>	type: Reuse	<input checked="" type="checkbox"/>
Interior wall: framing	<input type="checkbox"/>	type: _____	<input type="checkbox"/>
Interior wall, ceiling: gypsum board	<input checked="" type="checkbox"/>	type: recycled and local	<input checked="" type="checkbox"/>
Interior wall, ceiling, millwork: paint	<input type="checkbox"/>	type: _____	<input type="checkbox"/> type: _____
Landscape: decking and patio	<input checked="" type="checkbox"/>	type: patio steel recycled content default 25%	<input type="checkbox"/>
Other: cabinet	<input type="checkbox"/>	type: _____	<input type="checkbox"/>
Other: counter	<input type="checkbox"/>	type: _____	<input type="checkbox"/>
Other: door	<input type="checkbox"/>	type: _____	<input checked="" type="checkbox"/>
Other : interior trim	<input type="checkbox"/>	type: _____	<input type="checkbox"/>
Other : adhesive, sealant		<input checked="" type="checkbox"/> type: low voc	
Other : window frame	<input type="checkbox"/>	type: integrity - regional	<input checked="" type="checkbox"/>
Roof: framing	<input type="checkbox"/>	type: _____	<input type="checkbox"/>
Roof: roofing	<input type="checkbox"/>	type: _____	<input type="checkbox"/>
Roof, floor, wall: cavity insulation	<input checked="" type="checkbox"/>	type: recycled content	<input type="checkbox"/>
Roof, floor, wall (2 of 3): sheathing	<input type="checkbox"/>	type: OSB - Tom to look at photos	<input type="checkbox"/>
Other: water supply piping	<input type="checkbox"/>	type: _____	
Other: driveway	<input type="checkbox"/>	type: _____	

3. Waste Management								
3.1	Construction Waste Management Planning (<i>meet both of the following</i>)	Prereq.	Y				Y	
	<input checked="" type="checkbox"/> a) Investigate local options for waste diversion			<input checked="" type="checkbox"/> b) Document diversion rate for construction waste				
3.2	Construction Waste Reduction (<i>use one of the following methods</i>)	3	2	0			2	
	<input type="text"/> a) pounds waste / square foot							
	<input type="text"/> cubic yards waste / 1,000 square feet							
	<input type="text"/> 70% b) percentage of waste diverted							
Indoor Environmental Quality (EQ) (Minimum 6 EQ Points Required)				Max: 21	Y:14	M:0	Notes	Final: 14
1. ENERGY STAR with Indoor Air Package								
1	ENERGY STAR with Indoor Air Package	13	0	0			0	
2. Combustion Venting								
2.1	Basic Combustion Venting Measures (<i>meet all of the following</i>)	Prereq.	Y				Y	
	<input checked="" type="checkbox"/> a) no unvented combustion appliances			<input checked="" type="checkbox"/> d) space, water heating equipment designed with closed combustion; OR				
	<input checked="" type="checkbox"/> b) carbon monoxide monitors on each floor (of each unit, if applicable)			<input checked="" type="checkbox"/> space and water heating equipment has power-vented exhaust; OR				
	<input checked="" type="checkbox"/> c) no fireplace installed, OR			<input type="checkbox"/> space and water heating equipment located in detached or open-air facility; OR				
	<input type="checkbox"/> all fireplaces and woodstoves have doors			<input type="checkbox"/> no space- or water-heating equipment with combustion				
2.2	Enhanced Combustion Venting Measures (<i>meet one of the following</i>)	2	2	0			2	
	Type of Fireplace or stove	Better practice (1 pt)		Best practice (2 pts) <i>(must also meet Better Practice)</i>				
	None			<input checked="" type="checkbox"/> granted automatically				
	Masonry wood-burning fireplace	<input type="checkbox"/> masonry heater		<input type="checkbox"/> back-draft potential test				
	Factory-built wood-burning fireplace	<input type="checkbox"/> listed by testing lab and meets EPA standards		<input type="checkbox"/> back-draft potential test				
	Woodstove and fireplace insert	<input type="checkbox"/> listed by testing lab and meets EPA standards		<input type="checkbox"/> back-draft potential test				
	Natural gas, propane, or alcohol stove	<input type="checkbox"/> listed, power- or direct-vented, fixed doors		<input type="checkbox"/> electronic pilot				
	Pellet stove	<input type="checkbox"/> EPA certified or meets safety requirements		<input type="checkbox"/> power- or direct-venting				
3. Moisture Control								
3	Moisture Load Control (<i>meet one of the following</i>)	1	0	0			0	
	<input type="checkbox"/> a) Additional dehumidification system			<input type="checkbox"/> b) Central HVAC system equipped with additional dehumidification mode				
4. Outdoor Air Ventilation								
4.1	<input checked="" type="checkbox"/> Basic Outdoor Air Ventilation (<i>meet one of the following</i>)	Prereq.	Y				Y	
	<input type="checkbox"/> a) Qualifies under ASHRAE Std. 62.2-2007 climate exemption.			<input type="checkbox"/> c) Intermittent ventilation				
	<input checked="" type="checkbox"/> b) Continuous ventilation			<input type="checkbox"/> d) Passive ventilation				
4.2	<input checked="" type="checkbox"/> Enhanced Outdoor Air Ventilation (<i>meet one of the following</i>)	2	0	0			0	
	<input type="checkbox"/> a) Meets EQ 4.1 part (a), active ventilation system installed			<input type="checkbox"/> b) Install heat recovery system				
4.3	Third-Party Performance Testing	1	1	0			1	

5. Local Exhaust						
5.1	<input checked="" type="checkbox"/> Basic Local Exhaust (meet all of the following)	Prereq.	Y			Y
	<input checked="" type="checkbox"/> a) Bathroom and kitchen exhaust meets ASHRAE Std. 62.2 air flow requirement			<input checked="" type="checkbox"/> c) Air exhausted to outdoors		
	<input type="checkbox"/> b) Fans and ducts designed and installed to ASHRAE Std. 62.2			<input type="checkbox"/> d) ENERGY STAR labeled bathroom exhaust fans		
5.2	Enhanced Local Exhaust (<i>meet one of the following</i>)	1	1	0		1
	<input type="checkbox"/> a) Occupancy sensor			<input type="checkbox"/> c) Automatic timer tied to switch to operate fan for 20+ minutes post-occupancy		
	<input type="checkbox"/> b) Automatic humidistat controller			<input type="checkbox"/> d) Continuously operating exhaust fan		
5.3	Third-Party Performance Testing	1	1	0		1
6. Distribution of Space Heating and Cooling						
6.1	<input checked="" type="checkbox"/> Room-by-Room Load Calculations	Prereq.	Y			Y
6.2	Return Air Flow / Room-by-Room Controls (meet one of the following)	1	1	0		1
	A. Forced-Air Systems				B. Nonducted HVAC Systems	
	<input type="checkbox"/> a) Return air opening of 1 sq. inch per cfm of supply			<input type="checkbox"/> Flow control valves on every radiator; OR		
	<input type="checkbox"/> b) Limited pressure differential between closed room and adjacent spaces			<input type="checkbox"/> Radiant floor system with thermostatic controls in every room		
6.3	Third-Party Performance Test / Multiple Zones (meet one of the following)	2	0	0	<i>failed</i>	0
	A. Forced-Air Systems				B. Nonducted HVAC Systems	
	<input type="checkbox"/> Have supply air flow rates in each room tested and confirmed			<input type="checkbox"/> Install at least two distinct zones with independent thermostat control		
7. Air Filtering						
7.1	Good Filters	Prereq.	Y			Y
7.2	Better Filters	1	0	0		0
OR	7.3 Best Filters	2	2	0	<i>Merv 13</i>	2
8. Contaminant Control						
8.1	<input checked="" type="checkbox"/> Indoor Contaminant Control during Construction	1	1	0		1
8.2	Indoor Contaminant Control (<i>meet any of the following, 1 pt each</i>)	2	1	0	<i>All common hallways have walk off carpet - Flash Ver</i>	1
	<input checked="" type="checkbox"/> a) Design and install permanent walk-off mats at each entry			<input type="checkbox"/> c) Install central vacuum system with exhaust to outdoors		
	<input type="checkbox"/> b) Design shoe removal and storage space near primary entryway					
8.3	<input checked="" type="checkbox"/> Preoccupancy Flush	1	1	0		1
9. Radon Protection						
9.1	<input checked="" type="checkbox"/> Radon-Resistant Construction in High-Risk Areas	Prereq.	N/A			N/A
9.2	<input checked="" type="checkbox"/> Radon-Resistant Construction in Moderate-Risk Areas	1	0	0		0

10. Garage Pollutant Protection					
	10.1	No HVAC in Garage	<i>Prereq.</i>	Y	Y
	10.2	Minimize Pollutants from Garage (meet all of the following)	2	2	0
		a) In conditioned spaces above garage:			
		<input checked="" type="checkbox"/> Seal all penetrations and connecting floor and ceiling joist bays			
		b) In conditioned spaces next to garage			
		<input type="checkbox"/> Weather-strip all doors			
		<input checked="" type="checkbox"/> Carbon monoxide detectors in rooms that share a door with garage			
		<input checked="" type="checkbox"/> Seal all penetrations and cracks at the base of walls			
AND/OR	10.3	Exhaust Fan in Garage (meet one of the following)	1	1	0
		<input type="checkbox"/> a) Fan runs continuously			
		<input checked="" type="checkbox"/> b) Fan designed with automatic timer control			
		<i>Calculated min 3 air changes- sent to dan for calc.?</i>			1
OR	10.4	Detached Garage or No Garage	3	0	0
Awareness & Education (AE) (Minimum 0 AE Points Required)			Max: 3	Y:3	M:0
					Notes
					Final: 3
1. Education of the Homeowner or Tenant					
	1.1	<input checked="" type="checkbox"/> Basic Operations Training (<i>meet both of the following</i>)	<i>Prereq.</i>	Y	Y
		<input type="checkbox"/> a) Operations and training manual			
		<input type="checkbox"/> b) One-hour walkthrough with occupant(s)			
	1.2	<input checked="" type="checkbox"/> Enhanced Training	1	1	0
	1.3	Public Awareness (<i>meet three of the following</i>)	1	1	0
		<input type="checkbox"/> a) Open house on at least four weekends			
		<input type="checkbox"/> b) Website about features and benefits of LEED homes			
		<input type="checkbox"/> c) Newspaper article on the project			
		<input type="checkbox"/> d) Display LEED signage on the exterior of the home			
2. Education of the Building Manager					
	2	<input checked="" type="checkbox"/> Education of the Building Manager (<i>meet both of the following</i>)	1	1	0
		<input type="checkbox"/> a) Operations and training manual			
		<input type="checkbox"/> b) One-hour walkthrough with building manager			