

Certification Package

LEED for Homes Project Summary

This documentation package must be submitted to GBCI by the designated LEED for Homes Provider. The certification fee should be paid through LEED Online.

E-mail certification package to: homescertification@gbci.org

Signed LE Signed Ad	ummary pag EED for Hor ecountability	mes Checklist		Durability Evaluation Form Multi-home or Multi-building Conflict of Interest Form (if a	
Project Information	on		Project Team I	nformation	
Registration #:	#######	Reg Date: 10/26/1	Team Leader	Amanda Braun	
Project name	The Urba	an 2100	Company	e-3 GROUP LLC	
Project address(es)	2100 N N	layfair Rd	Address	626 E. Wisconsin Ave., Sui	ite 1020A
City	Wauwate	osa	E-mail	abraun@e-3goup.com	
Metro. Area	Milwauk	ee	Builder / Developer	Altius Building Company	
State	WI		Other project team	Phil Vetterkind, SBS	
Zip Code	53226		members	Tom Krawczyk, TJH	
Subdivision / Dev.					
Verification Team	Informa	tion			
Provider QAD	Mike Hol	lcomb	QAD Company	Green Home Institute	
Green Rater	Tom Kra	wczyk	Rater Company	TJH Energy Consulting	
Green Rater			Rater Company		
Energy Rater	Tom Kra	wczyk	Rater Company	TJH Energy Consulting	
Project Information	on				
Type of building:		Multi-family	# of stories		4
Type of builder / project	ot:	Multi-family Develop	er Avg. # of bedrooms	s:	1.2
Affordable project?	No	Gut-rehab? No	Avg. floor area (squ	uare feet):	828
# of bldgs in this subm	ittal:	1	Avg. Home Size Ad	djustment: calculate	-5.5

of units in this submittal: IECC climate zone

EPA radon zone

97 6 2 EA pathway? HERS Index (if any) Performance 62



Project Point Total

for Homes

LEED for Homes Project Checklist

Builder Name:	Altius Building Company
Project Team Leader:	Amanda Braun, e-3 GROUP LLC
Home Address (Street/City/State):	2100 N Mayfair Rd, Wauwatosa, WI

Final Credit Category Point Totals

Project Description

Adjusted Certification Thresholds

Building Type: *Multi-family* Project type: *Multi-family Developer* Certified: 39.5 Gold: 69.5 # of Units: 97 Avg. Home Size Adjustment: -6 Silver: 54.5 Platinum: 84.5

	Preliffi: 02.5 + 0 maybe pts Final: 02		ID:	9.5	33 .	10	EA: 15.5	EQ: II
	Certification Level		LL:	9	WE:	7	MR: 12	AE: 2
	Prelim: Gold Final: Gold							
	Date Most Recently Updated: 7/23/18	Updated by:	Phil Vetterk	ind, Tom	Krawczył	k, Dave M	adsen	
			Max Pts.	Preli	minary R	ating		Project
	🗷 Indicates that an Accountability Form is required.		Available	Y / Pts	Maybe	No		Points
Innova	tion & Design Process (ID) (Minimum 0 ID Points Required)		Max: 11	Y:10	M:0		Notes	Final: 9.5
1. Integr	ated Project Planning							
	1.1 Preliminary Rating		Prereq.	Y				Y
	Target performance tier: Certified							
	1.2 Integrated Project Team (meet all of the following)		1	1	0			1
	a) Individuals or organizations with necessary capabilities		c) Regular m	eetings held	l with projec	t team		
	b) All team members involved in various project phases		_					
	1.3 Professional Credentialed with Respect to LEED for Homes		1	1	0		Jim Hunzinger LEED Homes AP	1
	1.4 Design Charrette		1	1	0			1
	1.5 Building Orientation for Solar Design (meet all of the following)		1	0	0			0
	a) Glazing area on north/south walls 50% greater than on east/west walls		c) At least 45	0 sq. ft. of	south-facing	g roof area,	oriented for solar applications	
	b) East-west axis is within 15 degrees of due east-west		■ d) 90% of south-facing glazing is shaded in summer, unshaded in winter					
2. Qualit	y Management for Durability							
	2.1 Durability Planning (meet all of the following)		Prereq.	Y				Y
	a) Durability evaluation completed		c-v) Install dr	rain and dra	in pans for	clothes was	hers in/over living spaces; OR	
	b) Strategies developed to address durability issues		no cloth	es washers	in/over livir	ng spaces		
	c-i) Nonpaper-faced backer board in tub, shower, spa areas		c-vi) Exhaust	convention	al clothes d	ryers directl	y to outdoors	
	c-ii) No carpet in kitchen, bathroom, laundry, and spa areas		c-vii) Install o	drain and d	ain pan for	condensing	clothes dryers	
	c-iii) No carpet within 3 ft of each entryway		d) Durability	strategies i	ncorporated	into project	documentation	
	c-iv) Install drain and drain pans in tank water heaters in/over living spaces; OR		e) Durability	measures li	sted in dura	bility inspec	tion checklist	
	no tank water heaters in/over living spaces							

	2.2 Durability Managen	nent (meet one of the following)	Prereq.	Υ			Y
	Builder has a quality	management process in place	☐ Builder condu	icted inspec	ction using dural	bility inspection checklist	
	2.3 Third-Party Durabil	ity Management Verification	3	3	0		3
3. Innovat	tive or Regional Design						
	3.1	ng #): LLc5 Community Transit >250	1	1	0	250+	1
	3.2 Innovation 2 (ruli	ng #): SSc5 Non Toxic Pest Control Exemp	1	1	0		0.5
	3.3 ∠ Innovation 3 (ruli	ng #): WEc2 Irregation Exemp Perf	1	1	0	1/2 Point for each measure over 3pts	1
	3.4 Innovation 4 (ruli	ng #): IDpc28 Trades Training	1	1	0	Sign in Sheet	1
Location	n & Linkages (LL)	(Minimum 0 LL Points Required)	Max: 10	Y:9	M:0	Notes	Final: 9
1. LEED fo	or Neighborhood Develo	pment					
	 LEED for Neighbor 	hood Development	10	0	0		0
2. Site Sel	lection						
	2	neet all of the following)	2	2	0		2
		ear floodplain defined by FEMA				kland prior to acquisition	
		at for threatened or endangered species	e) Not built o	n land with	n prime soils, uni	que soils, or soils of state significance	
	c) Not built within 1	00 ft of water, including wetlands					
3. Preferre	ed Locations						
	3.1 Edge Development		1	0	0		0
OR	3.2 Infill		2	2	0		2
AND/OR	3.3 Previously Develop	ed	1	1	0		1
4. Infrastri	ructure						
	4 Existing Infrastructu	ıre	1	1	0		1
5. Commu	unity Resources / Transit						
	5.1 Basic Community F	Resources / Transit (meet one of the following)	1	0	0		0
	a) Within 1/4 mile o	f 4 basic community resources	c) Within 1/2	mile of tra	nsit services pro	oviding 30 rides per weekday	
	■ b) Within 1/2 mile o	f 7 basic community resources					
OR	5.2 Extensive Commun	ity Resources / Transit (meet one of the following)	2	0	0		0
	a) Within 1/4 mile o	f 7 basic community resources	c) Within 1/2	mile of tra	nsit services pro	oviding 60 rides per weekday	
	b) Within 1/2 mile o	f 11 basic community resources					
OR	5.3 Outstanding Comm	unity Resources / Transit (meet one of the following)	3	3	0		3
	<u></u>	f 11 basic community resources	c) Within 1/2	mile of tra	nsit services pro	oviding 125 rides per weekday	
		f 14 basic community resources			·		
6. Access	to Open Space						

Sustainable Sites (SS) (Minimum 5 SS Points Required)	Max: 22	Y:16	M:0	Notes	Final: 16
1. Site Stewardship					
1.1 Erosion Controls During Construction (meet all of the following)	Prereq.	Y			Y
a) Stockpile and protect disturbed topsoil from erosion.	d) Provide s	wales to dive	ert surface water	from hillsides	
b) Control the path and velocity of runoff with silt fencing or equivalent.	e) Use tiers,	erosion bla	nkets, compost b	lankets, etc. on sloped areas.	
c) Protect sewer inlets, streams, and lakes with straw bales, silt fencing, etc.					
1.2 Minimize Disturbed Area of Site (meet the appropriate requirements)	1	1	0	See drawing C400 (97 units/1.41ac = 68.79 u/a)	1
Where the site is not previously developed, meet all the following:					
lacksquare a) Develop tree/ plant preservation plan with "no-disturbance" zones					
■ b) Leave 40% of buildable lot area, not including area under roof, undisturbed					
OR Where the site is previously developed, meet all the following:					
c) Develop tree / plant preservation plan with "no-disturbance" zones AND					
 Rehabilitate lot; undo soil compaction and remove invasive plants AND 					
■ Meet the requirements of SS 2.2					
OR d) Build on a lot of 1/7 acre or less, or 7 units per acre.					
2. Landscaping					

	2.1		Prereq.	Υ			Y
	2.2		2	2	0		2
		a) Any turf must be drought-tolerant.	d) Add muld	ch or soil am	endments as ap	propriate.	
		b) Do not use turf in densely shaded areas.	e) All compa	acted soil mu	least 6 inches.		
		c) Do not use turf in areas with slope of 25%					
AND/OR	2.3	∠ Limit Conventional Turf	3	2	0	See calculations in SS Cr 2.3 folder	2
		Percentage of designed landscape softscape area that is turf					
AND/OR	2.4		2	2	0	See Landscaping Plant list on L-100	2
		100% Percentage of installed plants that are drought-tolerant					
OR	2.5	∠ Reduce Overall Irrigation Demand by at Least 20%	6	0	0		0
		0% Percentage reduction in estimated irrigation water demand	(calculate)				
3. Reduc	e Loc	cal Heat Island Effects					
3. Reduc		æl Heat Island Effects	1	0	0		0
3. Reduc			1 ■ b) Install lig	-	0 iigh-albedo mato	erials for 50% of sidewalks, patios, and driveways	0
	3		1 ■ b) Install lig	-	0 nigh-albedo mate	erials for 50% of sidewalks, patios, and driveways	0
	3 e Wat	 ✓ Reduce Local Heat Island Effects (meet one of the following) a) Locate trees / plantings to provide shade for 50% of hardscapes 	1 ■ b) Install lig	-	O iigh-albedo mat	erials for 50% of sidewalks, patios, and driveways Calculations done 3-15-18	0
	3 e Wat			ht-colored, h			, , , , , , , , , , , , , , , , , , ,
	3 e Wat	Reduce Local Heat Island Effects (meet one of the following) a) Locate trees / plantings to provide shade for 50% of hardscapes ter Management Permeable Lot		ht-colored, h			, , , , , , , , , , , , , , , , , , ,
	3 e Wat			ht-colored, h			, , , , , , , , , , , , , , , , , , ,
	3 e Wat	Reduce Local Heat Island Effects (meet one of the following) a) Locate trees / plantings to provide shade for 50% of hardscapes ter Management Permeable Lot 46% vegetative landscape 3% permeable paving		ht-colored, h			, , , , , , , , , , , , , , , , , , ,
	3 e Wat 4.1			ht-colored, h			, , , , , , , , , , , , , , , , , , ,
	3 e Wat 4.1	Reduce Local Heat Island Effects (meet one of the following) a) Locate trees / plantings to provide shade for 50% of hardscapes ter Management Permeable Lot 46% vegetative landscape 3% permeable paving 0% impermeable surfaces directed to infiltration features 51% other impermeable surfaces (areas not counted towards credit)	4	nt-colored, h	0	Calculations done 3-15-18	, , , , , , , , , , , , , , , , , , ,
	3 e Wat 4.1	Reduce Local Heat Island Effects (meet one of the following) a) Locate trees / plantings to provide shade for 50% of hardscapes ter Management Permeable Lot 46% vegetative landscape 3% permeable paving 0% impermeable surfaces directed to infiltration features 51% other impermeable surfaces (areas not counted towards credit) Permanent Erosion Controls (meet one of the following)	4	nt-colored, h	0	Calculations done 3-15-18	, , , , , , , , , , , , , , , , , , ,
	3 e Wat 4.1	Reduce Local Heat Island Effects (meet one of the following) a) Locate trees / plantings to provide shade for 50% of hardscapes ter Management Permeable Lot 46% vegetative landscape 3% permeable paving 0% impermeable surfaces directed to infiltration features 51% other impermeable surfaces (areas not counted towards credit) Permanent Erosion Controls (meet one of the following) a) For portions of lot on steep slope, use terracing and retaining walls	4 1 □ b) Plant tree	nt-colored, h	0 groundcover	Calculations done 3-15-18 Tom Verfified at final inspection Green Roof Drawings	0

5 Pest Control Alternatives (meet any of the following, 1/2 pt each) a) Keep all exterior wood at least 12" above soil b) Seal external cracks, joints, etc. with caulking and install pest-proof screens c) Include no wood-to-concrete connections, or separate connections with dividers d) Install landscaping so mature plants are 24" from home 5. Nontoxic Pest Control 2 2 0 5 measures include 1/2 for innovation 2 e) In 'moderate' to 'very heavy' termite risk areas: i) Treat all cellulosic material with borate product to 3' above foundation ii) Install sand or diatomaceous earth barrier termite control system iii) Install steel mesh barrier termite control system iv) Install non-toxic termite bait system v) Use noncellulosic wall structure vi) Use solid concrete foundation walls or pest-proof masonry wall design

6. Compact Development					
6.1 Moderate Density	2	0	0	C400	0
# of total units on the lot 1.4 lot size (acres)	68.8	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:O	Notes	Final: 7
1. Water Reuse					
1.1 Rainwater Harvesting System	4	0	0		0
0% Percentage of roof area used for harvesting					
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 High-Efficiency Irrigation System (meet any of the following, 1 pt each)	3	3	0	Verified on drawings and cut sheets	3
a) Irrigation system designed by EPA Water Sense certified professional	g) Install t	imer or contro	oller for each wat	ering zone	
■ b) Irrigation system with head-to-head coverage	h) Install p	-	-		
c) Install central shut-off valve				uniformity of at least 0.70.	
d) Install submeter for the irrigation system	j) Install c		neads or or rain delay co	ntrollar	
 e) Use drip irrigation for 50% of planting beds f) Create separate zones for each type of bedding 	k) IIStali i	noisture serist	or or raill delay co	nu onei	
	1	0	0		0
	4	0	0		0
OR 2.3 ∠ Reduce Overall Irrigation Demand by at Least 45%	•	U	0		0
Percentage reduction in estimated irrigation water demand	(calculate)				
3. Indoor Water Use	•	•	•		
3.1 High-Efficiency Fixtures and Fittings (meet any of the following, 1 pt each)	3	2	0		2
a) Average flow rate of lavatory faucets is ≤ 2.00 gpm			all toilets is ≤ 1.3	0 gpf; OR	
b) Average flow rate for all showers is ≤ 2.00 gpm per stall	=	are dual-flush			
			Water Sense spo	ecification	
3.2 Very High-Efficiency Fixtures and Fittings (meet any, 2 pts each)	6	2	0		2
a) Average flow rate of lavatory faucets is ≤ 1.50 gpm; OR			all showers ≤ 1.7		
Lavatory faucets meet the EPA Water Sense specification	C) Average	flow rate for	all toilets is ≤ 1.1	u gpr	
Energy & Atmosphere (EA) (Minimum 0 EA Points Required)	Max: 38	Y:15.5	M:0	Notes	Final: 15.5
Important note: projects registered after October 1st, 2014 that use	the perform	nance pat	h must achi	eve a HERS Index of 70 or lower.	
1. Optimize Energy Performance	Broson	V			V
1.1 Performance of ENERGY STAR for Homes	Prereq.	Υ			Υ
1.2 Exceptional Energy Performance	34	14.5	0		14.5

	6	IECC climate zone	62	HERS Index						
7. Water Heatin	ng									
7.1	∠ Efficie	ent Hot Water Distribution Systen	n (meet one	of the following)		2	0	0	Not available	0
		uctured plumbing system ntral manifold distribution system			I	c) Compact	design of con	ventional syst	em	
7.2	Pipe Ins	ulation				1	0	0		0
11. Residential	Refriger	ant Management								
11.1	Refriger	ant Charge Test				Prereq.	Υ			Y
11.2	Appropri	iate HVAC Refrigerants (meet on	e of the follo	owing)		1	1	0	Confirmed R410A with submittal	1
	■ a) Use no refrigerants					c) Use refrig	erants that co	omplies with g	lobal warming potential equation	
	□ b) Use	e non-HCFC refrigerants								

Materials & Resources (MR) (Minimum 2 MR P	oints Required)	Max: 16	Y:12	M:0	Notes	Final: 12
1. Material-Efficient Framing						
1.1 Framing Order Waste Factor		Prereq.	Y			Y
1.2 Detailed Framing Documents		1	0	0		0
AND/OR 1.3 Detailed Cut List and Lumber Order		1	0	0		0
■ Requirements of MR 1.2 have been met		Detailed cut I	list and lumb	ber order corresponding to	framing plans or scopes	
AND/OR 1.4 Framing Efficiencies (meet any of the following)	lowing, see Rating System for pts)	3	0	0		0
Precut framing packages		☐ Stud spacing	greater than	n 16" on center		
 Open-web floor trusses 		☐ Ceiling joist s	pacing great	ter than 16" on center		
Structural insulated panel walls		☐ Floor joist spa	acing greate	er than 16" on center		
Structural insulated panel roof		□ Roof rafter s	pacing great	er than 16" on center		
■ Structural insulated panel floors		☐ Two of the fo	ollowing: Siz	e headers for loads; ladder	blocking; drywall clips; 2-stud corners	
OR 1.5 Off-site Fabrication (meet one of the follows)	owing)	4	4	0		4
a) Panelized construction		■ b) Modular, p	orefabricated	d construction		
2. Environmentally Preferable Products						
2.1 FSC Certified Tropical Wood (meet al.)	l of the following)	Prereq.	Υ			Υ
a) Provide suppliers with a notice of preference	for FSC products; AND	b) No tropica	l wood insta	alled (exceptions for FSC-c	ertified or reclaimed wood)	
Request country of manufacture for each w	ood product					
2.2 Environmentally Preferable Products	(meet any, 1/2 pt each)	8	5.5	0		5.5
Assembly : component	(a) EPP		(1	b) Low emission	(c) Local production	
Exterior wall: framing	type:					
Exterior wall: siding or masonry	. 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 1	yc) Masonry (local)			r	
Floor: flooring Floor: flooring	(45%) type:			90% hard floo SCS FloorSc		
Floor: flooring	(90%) type:			Green Label	·	
Floor: framing	type:		**************			
Foundation: aggregate	type: local materia	als				
Foundation: cement Interior wall: framing	type: type:					
Interior wall, ceiling: gypsum board	type: recycled/loc	<u></u> al		RERERERERERERERERERERERERERERERERER		:::::
Interior wall, ceiling, millwork: paint	type:			type: Sh	erwin Williams Promar 200	
Landscape: decking and patio Other: cabinet	type:		LCARA			
Other: counter	type:	nets Recycled Content	KUMA			HH:
Other: door		od Door - Recycled				
Other : interior trim	type:					1999
Other: adhesive, sealant Other: window frame	type: Pella			type: low		
Roof: framing	type. Felia				<u> </u>	
Roof: roofing	type:					
Roof, floor, wall: cavity insulation	type: recycled cor	ntent .		type:		
Roof, floor, wall (2 of 3): sheathing Other: water supply piping	type: type					
	type:	<u>: 44 44 44 44 </u> 31 31 31 31 31 31 31 31 31 31 31 31 31 3	04080808080808080	±+±+±+8+8+8+8+8+8+8+8+8+8+8+8+8+8+8+8+8		1999

3. Waste Mana	gement						
3.1	Construction Waste Management F	Planning (meet both of the following)	Prereq.	Y			Y
	a) Investigate local options for waste div	version	b) Document	diversion r	ate for constru	ction waste	
3.2	Construction Waste Reduction (use	e one of the following methods)	3	2.5	0	spreadsheet uploaded	2.5
	a) pounds waste / square	e foot					
	cubic yards waste / 1,0	000 square feet					
	76% b) percentage of waste d	·					
	b) percentage of waste d	iverteu					
Indoor Envi	ronmental Quality (EQ) (Mir	imum 6 EQ Points Required)	Max: 21	Y:11	M:0	Notes	Final: 11
1. ENERGY ST	AR with Indoor Air Package						
1	ENERGY STAR with Indoor Air Pa	ckage	13	0	0		0
2. Combustion	Venting						
2.1	Basic Combustion Venting Measure	es (meet all of the following)	Prereq.	Υ			Y
	a) no unvented combustion appliances		d) space, wa	ter heating	equipment des	igned with closed combustion; OR	
	b) carbon monoxide monitors on each f	oor (of each unit, if applicable)	space and	d water heat	ting equipment	has power-vented exhaust; OR	
	c) no fireplace installed, OR		space and	d water heat	ting equipment	located in detached or open-air facility; OR	
	all fireplaces and woodstoves have	doors	no space	or water-h	eating equipme	ent with combustion	
2.2	Enhanced Combustion Venting Me	asures (meet one of the following)	2	2	0		2
	Type of Fireplace or stove	Better practice (1 pt)			-	ctice (2 pts) o meet Better Practice)	
	None Masonry wood-burning fireplace Factory-built wood-burning firepla Woodstove and fireplace insert Natural gas, propane, or alcohol Pellet stove	☐ listed by testing lab and mee	ets EPA standards ed, fixed doors		□ b □ b □ e	ranted automatically ack-draft potential test ack-draft potential test ack-draft potential test lectronic pilot ower- or direct-venting	
3. Moisture Co	* *						
3	Moisture Load Control (meet one o	f the following)	1	0	0		0
	a) Additional dehumidification system		□ b) Central H	/AC system	equipped with	additional dehumidification mode	
4. Outdoor Air	Ventilation						
4.1	Basic Outdoor Air Ventilation	(meet one of the following)	Prereq.	Υ			Y
	a) Qualifies under ASHRAE Std. 62.2-200	7 climate exemption.	c) Intermitte	nt ventilatio	n		
	b) Continuous ventilation		d) Passive ve	entilation			
4.2	Enhanced Outdoor Air Ventila	ation (meet one of the following)	2	0	0		0
	a) Meets EQ 4.1 part (a), active ventilat	on system installed	□ b) Install hea	t recovery :	system		
4.3	Third-Party Performance Testing		1	1	0		1

5. Local Exhau	ust					
5.1		Prereq.	Y			Υ
	a) Bathroom and kitchen exhaust meets ASHRAE Std. 62.2 air flow requirement	c) Air exhaus	ted to outdo	oors		
	b) Fans and ducts designed and installed to ASHRAE Std. 62.2	d) ENERGY S	TAR labeled	d bathroom exha	ust fans	
5.2	Enhanced Local Exhaust (meet one of the following)	1	1	0		1
	a) Occupancy sensor	c) Automatic	timer tied t	to switch to opera	ate fan for 20+ minutes post-occupancy	
	b) Automatic humidistat controller	d) Continuous	sly operatin	ng exhaust fan		
5.3	Third-Party Performance Testing	1	1	0		1
6. Distribution	of Space Heating and Cooling					
6.1		Prereq.	Y			Y
6.2	Return Air Flow / Room-by-Room Controls (meet one of the following)	1	0	0	no	0
	A. Forced-Air Systems	B. Nonducted	HVAC S	systems		
	■ a) Return air opening of 1 sq. inch per cfm of supply	☐ Flow control	valves on e	very radiator; Ol	R	
	■ b) Limited pressure differential between closed room and adjacent spaces	Radiant floor	system wit	th thermostatic o	ontrols in every room	
6.3	Third-Party Performance Test / Multiple Zones (meet one of the following)	2	0	0	no	0
	A. Forced-Air Systems	B. Nonducted				
	Have supply air flow rates in each room tested and confirmed	☐ Install at leas	t two distir	nct zones with in	dependent thermostat control	
7. Air Filtering						
7.1	Good Filters	Prereq.	Y			Y
7.2	Better Filters	1	1	0	MERV 10 photo verified	1
OR 7.3	Best Filters	2	0	0		0
8. Contaminar	nt Control					
8.1		1	1	0		1
8.2	Indoor Contaminant Control (meet any of the following, 1 pt each)	2	0	0		0
	a) Design and install permanent walk-off mats at each entry	c) Install cen	tral vacuum	system with ex	haust to outdoors	
	b) Design shoe removal and storage space near primary entryway	_				
8.3		1	1	0		1
9. Radon Prote	ection					
9.1		Prereq.	N/A			N/A
9.2		1	0	0		0
10. Garage Po	Ilutant Protection					
	No HVAC in Garage	Prereq.	Υ			Υ
10.2	Minimize Pollutants from Garage (meet all of the following)	2	2	0		2
	a) In conditioned spaces above garage:	b) In condition			rage	
	Seal all penetrations and connecting floor and ceiling joist bays	✓ Weather-strip	all doors			
		r Carbon mond	xide detect	ors in rooms tha	t share a door with garage	
		Seal all penet	rations and	I cracks at the ba	ase of walls	
AND/OR 10.3	Exhaust Fan in Garage (meet one of the following)	1	1	0	M210 and M212 (confirm sf calc)	1
	a) Fan runs continuously	b) Fan design	ed with au	tomatic timer co	ntrol	
OR 10.4	Detached Garage or No Garage	3	0	0		0

Awareness & Education (AE) (Minimum 0 AE Points Required)	Max: 3	Y:2	M:0	Notes	Final: 2
1. Education of the Homeowner or Tenant					
1.1 ∠ Basic Operations Training (meet both of the following)	Prereq.	Y		Owner sign off	Y

		a) Operations and training manual	b) One-hour walkthrough with occupant(s)				
	1.2		1	0	0		0
	1.3	Public Awareness (meet three of the following)	1	1	0	https://www.altiusbuildingco.com/leedhome/ and https://w	1
		a) Open house on at least four weekends	c) Newspaper article on the project				
	b) Website about features and benefits of LEED homes d) Display LEED signage on the exterior of the home						
2. Education of the Building Manager							
	2		1	1	0		1
	a) Operations and training manual b) One-hour walkthrough with building manager						