



for Homes

## LEED for Homes Project Checklist

Builder Name:	Florida Crystals
Project Team Leader:	J. Stace McGee, Environmental Dynamics Inc
Home Address (Street/City/State):	West Sample Rd, Coconut Creek, Florida

### Project Description

Building Type: **Multi-family**  
# of Units: **308**

Project type: **Multi-family Developer**  
Avg. Home Size Adjustment: **-9**

### Adjusted Certification Thresholds

Certified: **36.5** Gold: **66.5**  
Silver: **51.5** Platinum: **81.5**

<b>Project Point Total</b>		<b>Final Credit Category Point Totals</b>			
Prelim: <b>64 + 10 maybe pts</b>	Final: <b>25.5</b>	ID: <b>0</b>	SS: <b>5</b>	EA: <b>18.5</b>	EQ: <b>0</b>
<b>Certification Level</b>		LL: <b>0</b>	WE: <b>0</b>	MR: <b>2</b>	AE: <b>0</b>
Prelim: <b>Silver</b>	Final: <b>Not Certified</b>	Minimum Point Thresholds Not Met for Final Rating			
Date Most Recently Updated: <b>2/3/2014</b>		Updated by: <b>J. Stace McGee, EDI</b>			

*⚡ Indicates that an Accountability Form is required.*

Innovation & Design Process (ID) (Minimum 0 ID Points Required)	Max Pts. Preliminary Rating				Notes	Project Points
	Max: 11	Y:4	M:4	Available Y/Pts Maybe No		
<b>1. Integrated Project Planning</b>						
1.1 Preliminary Rating	Prereq.	Y			BEFORE CONSTRUCTION	Y
Target performance tier: <span style="border: 1px solid black; padding: 2px;">Silver</span>						
1.2 Integrated Project Team (meet all of the following)	1	1	0		BEFORE CONSTRUCTION	0
<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			0
1.4 Design Charrette	1	1	0		BEFORE CONSTRUCTION	0
1.5 Building Orientation for Solar Design (meet all of the following)	1	0	0	N		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		
<b>2. Quality Management for Durability</b>						
2.1 Durability Planning (meet all of the following)	Prereq.	Y			BEFORE CONSTRUCTION	Y
<input checked="" type="checkbox"/> a) Durability evaluation completed				<input checked="" type="checkbox"/> c-v) Install drain and drain pans for clothes washers in/over living spaces; OR		
<input checked="" type="checkbox"/> b) Strategies developed to address durability issues				<input type="checkbox"/> no clothes washers in/over living spaces		
<input checked="" type="checkbox"/> c-i) Nonpaper-faced backer board in tub, shower, spa areas				<input checked="" type="checkbox"/> c-vi) Exhaust conventional clothes dryers directly to outdoors		
<input checked="" type="checkbox"/> c-ii) No carpet in kitchen, bathroom, laundry, and spa areas				<input checked="" type="checkbox"/> c-vii) Install drain and drain pan for condensing clothes dryers		
<input checked="" type="checkbox"/> c-iii) No carpet within 3 ft of each entryway				<input checked="" type="checkbox"/> d) Durability strategies incorporated into project documentation		
<input checked="" type="checkbox"/> c-iv) Install drain and drain pans in tank water heaters in/over living spaces; OR				<input checked="" type="checkbox"/> e) Durability measures listed in durability inspection checklist		
<input type="checkbox"/> no tank water heaters in/over living spaces						

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 checked="" type="checkbox"/> Builder conducted inspection using durability inspection checklist				
2.3 Third-Party Durability Management Verification		3	0	3	0	
<b>3. Innovative or Regional Design</b>						
3.1	≈ Innovation 1 (ruling #): <b>Exemplary Performance WE 2.1</b>	1	1	0	0	
3.2	≈ Innovation 2 (ruling #): <b>Bike Racks</b>	1	0	1	0	
3.3	≈ Innovation 3 (ruling #):	1	0	0	0	
3.4	≈ Innovation 4 (ruling #):	1	0	0	0	
<b>Location &amp; Linkages (LL)</b> (Minimum 0 LL Points Required)		<b>Max: 10</b>	<b>Y:2</b>	<b>M:1</b>	<b>Notes</b>	<b>Final: 0</b>
<b>1. LEED for Neighborhood Development</b>						
1	LEED for Neighborhood Development	10	0	0	N	0
<b>2. Site Selection</b>						
2	≈ Site Selection ( <i>meet all of the following</i> )	2	0	0	N	0
<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						
<b>3. Preferred Locations</b>						
3.1	Edge Development	1	0	0	N	0
OR	3.2 Infill	2	0	0	N	0
AND/OR	3.3 Previously Developed	1	0	1		0
<b>4. Infrastructure</b>						
4	Existing Infrastructure	1	1	0		0
<b>5. Community Resources / Transit</b>						
5.1	Basic Community Resources / Transit ( <i>meet one of the following</i> )	1	1	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	N	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	0	0	N	0
<input type="checkbox"/> a) Within 1/4 mile of 11 basic community resources		<input 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						
<b>6. Access to Open Space</b>						
6	Access to Open Space	1	0	0		0

Sustainable Sites (SS) (Minimum 5 SS Points Required)		Max: 22	Y:13	M:2	Notes	Final: 5
<b>1. Site Stewardship</b>						
1.1	Erosion Controls During Construction <i>(meet all of the following)</i>	Prereq.	Y			Y
	<input checked="" type="checkbox"/> a) Stockpile and protect disturbed topsoil from erosion.				<input checked="" type="checkbox"/> d) Provide swales to divert surface water from hillsides	
	<input checked="" type="checkbox"/> b) Control the path and velocity of runoff with silt fencing or equivalent.				<input checked="" type="checkbox"/> e) Use tiers, erosion blankets, compost blankets, etc. on sloped areas.	
	<input checked="" type="checkbox"/> c) Protect sewer inlets, streams, and lakes with straw bales, silt fencing, etc.					
1.2	Minimize Disturbed Area of Site <i>(meet the appropriate requirements)</i>	1	1	0	BEFORE CONSTRUCTION	0
	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					
	<b>OR</b> 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					
	<b>OR</b> <input checked="" type="checkbox"/> d) Build on a lot of 1/7 acre or less, or 7 units per acre.					
<b>2. Landscaping</b>						
2.1	<del>2.1</del> No Invasive Plants	Prereq.	Y			Y
2.2	<del>2.2</del> Basic Landscaping Design <i>(meet all of the following)</i>	2	2	0		0
	<input checked="" type="checkbox"/> a) Any turf must be drought-tolerant.				<input checked="" type="checkbox"/> d) Add mulch or soil amendments as appropriate.	
	<input checked="" type="checkbox"/> b) Do not use turf in densely shaded areas.				<input checked="" type="checkbox"/> e) All compacted soil must be tilled to at least 6 inches.	
	<input checked="" type="checkbox"/> c) Do not use turf in areas with slope of 25%					
AND/OR	2.3 <del>2.3</del> Limit Conventional Turf	3	2	0		0
	<input type="text" value="90%"/> Percentage of designed landscape softscape area that is turf					
AND/OR	2.4 <del>2.4</del> Drought-Tolerant Plants	2	1	0		1
	<input type="text" value="70%"/> Percentage of installed plants that are drought-tolerant					
OR	2.5 <del>2.5</del> Reduce Overall Irrigation Demand by at Least 20%	6	0	0	N	0
	<input type="text"/> Percentage reduction in estimated irrigation water demand				(calculate)	
<b>3. Reduce Local Heat Island Effects</b>						
3	<del>3</del> Reduce Local Heat Island Effects <i>(meet one of the following)</i>	1	0	0		0
	<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	≥ Permeable Lot	4	1	0	BEFORE CONSTRUCTION	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	0	0		0
	<input 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	≥ Management of Runoff from Roof ( <i>meet any, see Rating System for pts</i> )	2	0	2		0
	<input type="checkbox"/> a) Install permanent stormwater controls to manage runoff from the home				<input type="checkbox"/> c) Install vegetated roof to cover 100% of roof area	
	<input type="checkbox"/> b) Install vegetated roof to cover 50% of roof area				<input checked="" 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		0
	<input checked="" type="checkbox"/> a) Keep all exterior wood at least 12" above soil				e) In 'moderate' to 'very heavy' termite risk areas:	
	<input checked="" type="checkbox"/> b) Seal external cracks, joints, etc. with caulking and install pest-proof screens				<input type="checkbox"/> i) Treat all cellulosic material with borate product to 3' above foundation	
	<input checked="" type="checkbox"/> c) Include no wood-to-concrete connections, or separate connections with dividers				<input type="checkbox"/> ii) Install sand or diatomaceous earth barrier	
	<input type="checkbox"/> d) Install landscaping so mature plants are 24" from home				<input type="checkbox"/> iii) Install steel mesh barrier termite control system	
					<input type="checkbox"/> iv) Install non-toxic termite bait system	
					<input checked="" 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	N	0
	<input type="text" value="305"/> # of total units on the lot	<input type="text" value="12.0"/> lot size (acres)	<input type="text" value="25.4"/> density (units/acre)			
OR	6.2 High Density	3	0	0	N	0
OR	6.3 Very High Density	4	4	0		4
Water Efficiency (WE) (Minimum 3 WE Points Required)		Max: 15	Y:8	M:3	Notes	Final: 0
1. Water Reuse						
1.1	Rainwater Harvesting System	4	0	0	N	0
	<input type="text"/> Percentage of roof area used for harvesting					
	<input type="text"/> Application					
AND/OR	1.2 Graywater Reuse System	1	0	0	N	0
OR	1.3 Use of Municipal Recycled Water System	3	0	3		0

2. Irrigation System						
2.1	⚡ High-Efficiency Irrigation System (meet any of the following, 1 pt each)	3	3	0	0	
<input type="checkbox"/>	a) Irrigation system designed by EPA Water Sense certified professional	<input checked="" type="checkbox"/>	g) Install timer or controller for each watering zone			
<input type="checkbox"/>	b) Irrigation system with head-to-head coverage	<input checked="" type="checkbox"/>	h) Install pressure-regulating devices			
<input checked="" type="checkbox"/>	c) Install central shut-off valve	<input type="checkbox"/>	i) High-efficiency nozzles with distribution uniformity of at least 0.70.			
<input checked="" type="checkbox"/>	d) Install submeter for the irrigation system	<input type="checkbox"/>	j) Install check valves in heads			
<input checked="" type="checkbox"/>	e) Use drip irrigation for 50% of planting beds	<input checked="" type="checkbox"/>	k) Install moisture sensor or rain delay controller			
<input checked="" type="checkbox"/>	f) Create separate zones for each type of bedding					
AND/OR	2.2 Third-party Inspection	1	1	0	0	
OR	2.3 ⚡ Reduce Overall Irrigation Demand by at Least 45%	4	0	0	N	
	<input type="text"/> 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	0	
<input type="checkbox"/>	a) Average flow rate of lavatory faucets is ≤ 2.00 gpm	<input checked="" type="checkbox"/>	c) Average flow rate for all toilets is ≤ 1.30 gpf; OR			
<input checked="" type="checkbox"/>	b) Average flow rate for all showers is ≤ 2.00 gpm per stall	<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 (meet any, 2 pts each)	6	2	0	0	
<input checked="" type="checkbox"/>	a) Average flow rate of lavatory faucets is ≤ 1.50 gpm; OR	<input type="checkbox"/>	b) Average flow rate for all showers ≤ 1.75 gpm per stall			
<input type="checkbox"/>	Lavatory faucets meet the EPA Water Sense specification	<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:19.5	M:0	Notes	Final: 18.5
1. Optimize Energy Performance						
1.1	Performance of ENERGY STAR for Homes	Prereq.	Y			Y
1.2	Exceptional Energy Performance	34	18.5	0		18.5
	<input type="text"/> 2 IECC climate zone	<input type="text"/> 60	HERS Index			
7. Water Heating						
7.1	⚡ Efficient Hot Water Distribution System (meet one of the following)	2	0	0	N	0
<input type="checkbox"/>	a) Structured plumbing system	<input type="checkbox"/>	c) Compact design of conventional system			
<input type="checkbox"/>	b) Central manifold distribution system					
7.2	Pipe Insulation	1	0	0	N	0
11. Residential Refrigerant Management						
11.1	Refrigerant Charge Test	Prereq.	Y			Y
11.2	Appropriate HVAC Refrigerants (meet one of the following)	1	1	0	BEFORE CONSTRUCTION	0
<input type="checkbox"/>	a) Use no refrigerants	<input type="checkbox"/>	c) Use refrigerants that complies with global warming potential equation			
<input checked="" type="checkbox"/>	b) Use non-HCFC refrigerants					

Materials & Resources (MR) (Minimum 2 MR Points Required)		Max: 16 Y:5.5 M:0			Notes	Final: 2
<b>1. Material-Efficient Framing</b>						
	1.1 Framing Order Waste Factor	Prereq.	Y			Y
	1.2 Detailed Framing Documents	1	0	0	BEFORE CONSTRUCTION	0
AND/OR	1.3 Detailed Cut List and Lumber Order	1	0	0	BEFORE CONSTRUCTION	0
	<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	0	0		0
	<input type="checkbox"/> Precut framing packages				<input type="checkbox"/> Stud spacing greater than 16" on center	
	<input type="checkbox"/> Open-web floor trusses				<input checked="" 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 checked="" type="checkbox"/> Roof rafter spacing greater than 16" on center	
	<input type="checkbox"/> Structural insulated panel floors				<input 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	
<b>2. Environmentally Preferable Products</b>						
	2.1 <del>≥</del> FSC Certified Tropical Wood (meet all of the following)	Prereq.	Y		BEFORE CONSTRUCTION	Y
	<input checked="" 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 checked="" type="checkbox"/> Request country of manufacture for each wood product					
	2.2 <del>≥</del> Environmentally Preferable Products (meet any, 1/2 pt each)	8	3.5	0		0
	<b>Assembly : component</b>	<b>(a) EPP</b>		<b>(b) Low emission</b>		<b>(c) Local production</b>
	Exterior wall: framing	<input type="checkbox"/>	type: _____			<input type="checkbox"/>
	Exterior wall: siding or masonry	<input type="checkbox"/>	type: Stucco			<input checked="" type="checkbox"/>
	Floor: flooring	<input type="checkbox"/> (45%)	type: _____	<input type="checkbox"/>	90% hard flooring	<input type="checkbox"/> (45%)
	Floor: flooring	<input type="checkbox"/> (90%)	type: _____	<input type="checkbox"/>	SCS FloorScore	<input type="checkbox"/> (90%)
	Floor: flooring			<input checked="" type="checkbox"/>	Green Label Plus	
	Floor: framing	<input type="checkbox"/>	type: _____			<input type="checkbox"/>
	Foundation: aggregate	<input type="checkbox"/>	type: _____			<input checked="" type="checkbox"/>
	Foundation: cement	<input type="checkbox"/>	type: _____			<input type="checkbox"/>
	Interior wall: framing	<input type="checkbox"/>	type: _____			<input type="checkbox"/>
	Interior wall, ceiling: gypsum board	<input type="checkbox"/>	type: _____			<input type="checkbox"/>
	Interior wall, ceiling, millwork: paint	<input type="checkbox"/>	type: _____	<input checked="" type="checkbox"/>	type: Low VOC	
	Landscape: decking and patio	<input type="checkbox"/>	type: _____			<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 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: _____			<input 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: Certainteed or Owens Corning	<input checked="" type="checkbox"/>	type: Owens	<input type="checkbox"/>
	Roof, floor, wall (2 of 3): sheathing	<input type="checkbox"/>	type: _____			<input type="checkbox"/>
	Other: water supply piping	<input type="checkbox"/>	type: _____			<input type="checkbox"/>
	Other: driveway	<input type="checkbox"/>	type: _____			<input type="checkbox"/>

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" value="65%"/> b) percentage of waste diverted					
Indoor Environmental Quality (EQ) (Minimum 6 EQ Points Required)		Max: 21	Y:9	M:0	Notes	Final: 0
1. ENERGY STAR with Indoor Air Package						
1	ENERGY STAR with Indoor Air Package	13	0	0	N	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 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		0
	<b>Type of Fireplace or stove</b>	<b>Better practice (1 pt)</b>	<b>Best practice (2 pts) (must also meet Better Practice)</b>			
	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	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 checked="" type="checkbox"/> c) Intermittent ventilation		
	<input type="checkbox"/> b) Continuous ventilation			<input type="checkbox"/> d) Passive ventilation		
4.2	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	0	0		0

5. Local Exhaust					
5.1	⚡ 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 checked="" type="checkbox"/> b) Fans and ducts designed and installed to ASHRAE Std. 62.2			<input checked="" type="checkbox"/> d) ENERGY STAR labeled bathroom exhaust fans	
5.2	Enhanced Local Exhaust ( <i>meet one of the following</i> )	1	1	0	0
	<input type="checkbox"/> a) Occupancy sensor			<input checked="" 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	0
6. Distribution of Space Heating and Cooling					
6.1	⚡ Room-by-Room Load Calculations	Prereq.	Y	BEFORE CONSTRUCTION	Y
6.2	Return Air Flow / Room-by-Room Controls (meet one of the following)	1	0	0	0
	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	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	0	0	0
8. Contaminant Control					
8.1	⚡ Indoor Contaminant Control during Construction	1	1	0	0
8.2	Indoor Contaminant Control ( <i>meet any of the following, 1 pt each</i> )	2	0	0	0
	<input 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	⚡ Preoccupancy Flush	1	0	0	0
9. Radon Protection					
9.1	⚡ Radon-Resistant Construction in High-Risk Areas	Prereq.	Y		Y
9.2	⚡ Radon-Resistant Construction in Moderate-Risk Areas	1	1	0	0



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

**USGBC LEGAL DISCLAIMER**

USGBC makes no warranty with respect to any LEED certified project, including any warranty of habitability, merchantability, or fitness for a particular purpose. There are no warranties, express or implied, written or oral, statutory or otherwise, with respect to the certifications provided by USGBC. By way of example only, and without limiting the broad scope of the foregoing, it is understood that LEED certification, whether at the Certified level or any other level, does not mean that the project is structurally sound or safe, constructed in accordance with applicable laws, regulations or codes, free of mold or mildew, free of volatile organic compounds or allergens, or free of soil gases including radon.

**SIGNATURES BY RESPONSIBLE PARTIES**

By affixing my signature below, the undersigned does hereby declare and affirm to the USGBC that the LEED for Homes requirements, as specified in the LEED for Homes Rating System, have been met for the indicated credits and will, if audited, provide the necessary supporting documents.

Project Team Leader	<input type="text" value="J. Stace McGee"/>	Company	<input type="text" value="Environmental Dynamics Inc"/>
Signature	<input type="text"/>	Date	<input type="text"/>

By affixing my signature below, the undersigned does hereby declare and affirm to the USGBC that the required inspections and performance testing for the LEED for Homes requirements, as specified in the LEED for Homes Rating System, have been completed. I have evaluated this project's documentation package and conducted the necessary QA/QC procedures with the Green Rater, and I hereby declare and affirm to USGBC that the homes included in this submittal are ready to earn LEED for Homes certification, as per the attached checklist.

Provider QAD	<input type="text" value="Cody Gatland"/>	Company	<input type="text" value="Green Insight LLC"/>
Signature	<input type="text"/>	Date	<input type="text"/>

By affixing my signature below, the undersigned does hereby declare and affirm to the USGBC that the required inspections and performance testing for the LEED for Homes requirements, as specified in the LEED for Homes Rating System, have been completed.

I also hereby confirm that all verification services were performed in accordance with the LEED for Homes [Verification & Submittal Guidelines and Addendum](#).

Green Rater	<input type="text" value="Ryan Moore"/>	Company	<input type="text" value="Green Insight LLC"/>
Signature	<input type="text"/>	Date	<input type="text"/>

By affixing my signature below, the undersigned does hereby declare and affirm to the USGBC that the required inspections and performance testing for the LEED for Homes requirements, as specified in the LEED for Homes Rating System, have been completed.

I also hereby confirm that all verification services were performed in accordance with the LEED for Homes [Verification & Submittal Guidelines and Addendum](#).

Green Rater	<input type="text"/>	Company	<input type="text"/>
Signature	<input type="text"/>	Date	<input type="text"/>

## LEED for Homes Project Checklist

### Addendum: Prescriptive Approach for Energy and Atmosphere (EA) Credits

Points cannot be earned in both the Prescriptive (below) and the Performance paths of the EA section.

	<b>Max Pts. Available</b>	<b>Preliminary Rating</b>			<b>Notes</b>	<b>Project Points</b>
		<i>Y / Pts</i>	<i>Maybe</i>	<i>No</i>		
<b>Energy &amp; Atmosphere (EA)</b> (Minimum 0 EA Points Required)	<b>Max: 38</b>	<b>Y:19.5</b>	<b>M:0</b>			<b>Final: 18.5</b>
<b>2. Insulation</b>						
<b>2.1 Basic Insulation</b> ( <i>meet both of the following</i> )	<i>Prereq.</i>					
<input type="checkbox"/> a) Insulation meets R-value requirements of IECC				<input type="checkbox"/> b) Insulation meets HERS Grade II specifications for installation		
<b>2.2 Enhanced Insulation</b> ( <i>meet both of the following</i> )	<b>2</b>	<b>0</b>	<b>0</b>			<b>0</b>
<input type="checkbox"/> a) Insulation exceeds R-value requirements of IECC by 5%				<input type="checkbox"/> b) Insulation meets HERS Grade I specifications for installation		
<b>3. Air Infiltration</b>						
<b>3.1 Reduced Envelope Leakage</b>	<i>Prereq.</i>					
<input style="width: 50px; height: 15px; border: 1px solid black;" type="text"/> Air leakage rate in ACH50						
<b>3.2 Greatly Reduced Envelope Leakage</b>	<b>2</b>	<b>0</b>	<b>0</b>			<b>0</b>
<b>OR</b> <b>3.3 Minimal Envelope Leakage</b>	<b>3</b>	<b>0</b>	<b>0</b>			<b>0</b>
<b>4. Windows</b>						
<b>4.1 Good Windows</b> ( <i>meet all of the following</i> )	<i>Prereq.</i>					
<input type="checkbox"/> a) Windows and glass doors meet ENERGY STAR BOP window specifications				<input type="checkbox"/> b) Skylight glazing area is ≤ 3% of floor area AND <input type="checkbox"/> Skylights meet ENERGY STAR requirements for skylights		
<b>4.2 Enhanced Windows</b>	<b>2</b>	<b>0</b>	<b>0</b>			<b>0</b>
<b>OR</b> <b>4.3 Exceptional Windows</b>	<b>3</b>	<b>0</b>	<b>0</b>			<b>0</b>
<b>5. Heating and Cooling Distribution System</b>						
<b>5.1 Reduced Distribution Losses</b> ( <i>meet all of the following, as appropriate</i> )	<i>Prereq.</i>					
A. Forced-Air Systems <input type="checkbox"/> a) Duct leakage of ≤ 4.0 CFM at 25 Pascals per 100 sq.ft. <input type="checkbox"/> b) No ducts in exterior walls unless extra insulation is added <input type="checkbox"/> c) At least R-6 insulation around ducts in unconditioned spaces				B. Nonducted HVAC Systems <input type="checkbox"/> At least R-3 insulation around pipes in unconditioned spaces		
<b>5.2 Greatly Reduced Distribution Losses</b> ( <i>meet the following, as appropriate</i> )	<b>2</b>	<b>0</b>	<b>0</b>			<b>0</b>
A. Forced-Air Systems <input type="checkbox"/> Duct leakage of ≤ 3.0 CFM at 25 Pascals per 100 sq.ft.				B. Nonducted HVAC Systems <input type="checkbox"/> Keep the boiler and pipes entirely within conditioned envelope		
<b>OR</b> <b>5.3 Minimal Distribution Losses</b> ( <i>meet one of the following, as appropriate</i> )	<b>3</b>	<b>0</b>	<b>0</b>			<b>0</b>
A. Forced-Air Systems <input type="checkbox"/> a) Duct leakage of ≤ 1.0 CFM at 25 Pascals per 100 sq.ft. <input type="checkbox"/> b) Air-handler and all ductwork is within conditioned envelope and EA 3.3 is met <input type="checkbox"/> c) Air-handler and all ductwork visibly within conditioned spaces (not in walls, etc.)				B. Nonducted HVAC Systems <input type="checkbox"/> Outdoor reset control to set distribution temp. based on outdoor temp.		

<b>6. Space Heating and Cooling Equipment</b>				
<b>6.1</b> $\nless$ Good HVAC Design and Installation ( <i>meet all of the following</i> )		<b>Prereq.</b>		
<input type="checkbox"/> a) Design and size HVAC equipment using ACCA Manual J or equivalent	<input type="checkbox"/> c) Install ENERGY STAR programmable thermostat OR			
<input type="checkbox"/> b) Install efficient heating AND cooling equipment (see Table)	<input type="checkbox"/> Heat pump or hydronic installed and exempted from part (c)			
<input type="text"/> Type of cooling system	<input type="text"/> Type of heating system			
<input type="text"/> Cooling efficiency (SEER / EER)	<input type="text"/> Heating Efficiency (AFUE / HSPF / COP)			
<b>6.2</b> High-Efficiency HVAC	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>OR 6.3</b> Very High Efficiency HVAC	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>7. Water Heating</b>				
<b>7.1</b> $\nless$ Efficient Hot Water Distribution System ( <i>meet one of the following</i> )		<b>2</b>	<b>0</b>	<b>0</b>
<input type="checkbox"/> a) Structured plumbing system	<input type="checkbox"/> c) Compact design of conventional system			
<input type="checkbox"/> b) Central manifold distribution system				
<b>7.2</b> Pipe Insulation	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>7.3</b> Efficient Domestic Hot Water Equipment	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>
<input type="text"/> Type of DHW system				
<input type="text"/> Efficiency	<input type="text"/> Solar: Percentage of annual DHW load			
<b>8. Lighting</b>				
<b>8.1</b> ENERGY STAR Lights		<b>Prereq.</b>		
<b>8.2</b> Improved Lighting ( <i>meet one of the following, see Rating System for pts</i> )		<b>1.5</b>	<b>0</b>	<b>0</b>
<input type="checkbox"/> a) Indoor lighting - 3 additional ENERGY STAR lights in high-use rooms	<input type="checkbox"/> b) Exterior lighting - motion sensor controls or integrated PV			
<b>OR 8.3</b> Advanced Lighting Package ( <i>meet one of the following</i> )	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>
<input type="checkbox"/> a) 60% of fixtures are ENERGY STAR fixtures	<input type="checkbox"/> b) 80% of lamps are ENERGY STAR CFLs			
<b>9. Appliances</b>				
<b>9.1</b> High-Efficiency Appliances ( <i>meet any, see Rating System for pts</i> )		<b>2</b>	<b>0</b>	<b>0</b>
<input type="checkbox"/> a) ENERGY STAR labeled refrigerator	<input type="checkbox"/> c) ENERGY STAR labeled dishwasher using 6.0 gallons per cycle or less			
<input type="checkbox"/> b) ENERGY STAR labeled ceiling fans in living/family room and all bedrooms	<input type="checkbox"/> d) ENERGY STAR clothes washer			
<b>9.2</b> Water-Efficiency Clothes Washer	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>10. Renewable Energy</b>				
<b>10</b> $\nless$ Renewable Energy System		<b>10</b>	<b>0</b>	<b>0</b>
<input type="text"/> Reference electric load, kWh/yr (based on HERS model)	<input type="text"/> Electricity supplied by renewable system, kWh/yr			
<input type="text"/> 0.0% Percentage of annual reference electric load met by renewable system				
<b>11. Residential Refrigerant Management</b>				
<b>11.1</b> Refrigerant Charge Test		<b>Prereq.</b>		
<b>11.2</b> Appropriate HVAC Refrigerants ( <i>meet one of the following</i> )		<b>1</b>	<b>0</b>	<b>0</b>
<input type="checkbox"/> a) Use no refrigerants	<input type="checkbox"/> c) Use refrigerants that complies with global warming potential equation			
<input type="checkbox"/> b) Use non-HCFC refrigerants				

## LEED for Homes Project Checklist, Project Notes

This section was created to give project teams additional space to make internal notes on the progress of the project. It does not need to be used and it **should not** be submitted to USGBC. This section is unlocked, so project teams are welcome to make changes to the format as necessary. Any comments or directions provided below have not been created or endorsed by the US Green Building Council.

Date project began:

1/21/2014

Initiated by:

Beatriz Hernandez

**Credits**                      **Responsible Party**                      **Last Updated**                      **Additional Notes**

<b>ID 1. Integrated Project Planning</b>			
1.1	JSM, Beatriz, Matt and Developer	1/31/2014	
1.2	Beatriz	1/31/2014	list of project team members, capabilities, and meeting dates,MSA Architects - Beatriz, Consulting Engineering and Science - Civil, Architectural Alliance - Landscape, Green Insight- LEED for Homes Provider & HERS Rater, EDI-LEED AP+Homes,
1.3	JSM	1/31/2014	Send Beatriz Credential
1.4	Beatriz	1/31/2014	documentation for charette(s) including date, # hrs, participants (meeting minutes are acceptable)
1.5	None	1/31/2014	Not possible - Buildings have numerous orientations
<b>ID 2. Quality Mgmt for Durability</b>			
2.1	Beatriz	1/31/2014	Complete Durability Checklist and Durability Evaluation Form

2.2	General Contractor	1/31/2014	Sign off on durability checklist items as construction proceeds.
2.3	JSM	1/31/2014	Only if required - Field/Visually verify

<b>3. Innovative or Regional Design</b>			
3.1	JSM	2/3/2014	
3.2	Beatriz	2/3/2014	
3.3			
3.4			

<i>Credits</i>	<i>Responsible Party</i>	<i>Last Updated</i>	<i>Additional Notes</i>
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<b>LL 1. LEED for Neighborhood Development</b>			
1	JSM	1/31/2014	Not possible - not a LEED ND project

<b>LL 2. Site Selection</b>			
2	JSM	1/31/2014	not possible - built on farm land

<b>LL 3. Preferred Locations</b>			
3.1	JSM	1/31/2014	not possible in a farm
3.2	JSM	1/31/2014	not possible in a farm
3.3	JSM	1/31/2014	not possible in a farm

<b>LL 4. Infrastructure</b>			
4	JSM	1/31/2014	

<b>LL 5. Community Resources</b>			
5.1	JSM	2/3/2014	check the bus route, not many community resources yet
5.2	JSM	1/31/2014	not many community resources yet
5.3	JSM	1/31/2014	

<b>LL 6. Access to Open Space</b>			
6	Beatriz	1/31/2014	????? Is there anything around 3/4 acre in size within 1/2 mile?

<i>Credits</i>	<i>Responsible Party</i>	<i>Last Updated</i>	<i>Additional Notes</i>
<b>SS 1. Site Stewardship</b>			
1.1	Beatriz	1/31/2014	Get us the SWPPP and monthly inspection reports. Maintain erosion controls throughout construction. Ryan Moore to field verify at each site visit.
1.2	JSM	1/31/2014	Done 25 units per acre
<b>SS 2. Landscaping</b>			
2.1	Architectural Alliance	2/3/2014	Provide landscape plans with plant list including quantity of each plant and water usage (low, med, or high).
2.2	Architectural Alliance	2/3/2014	Provide landscape plans with plant list including quantity of each plant and water usage (low, med, or high).
2.3	Architectural Alliance	2/3/2014	Provide landscape plans with plant list including quantity of each plant and water usage (low, med, or high).
2.4	Architectural Alliance	2/3/2014	Provide landscape plans with plant list including quantity of each plant and water usage (low, med, or high).
2.5	NA	2/3/2014	
<b>SS 3. Reduce Local Heat Island Effects</b>			
3	Consulting Engineering and Science	2/3/2014	Provide landscape plans with plant list including quantity of each plant and water usage (low, med, or high).

<b>SS 4. Surface Water Management</b>			
4.1	Consulting Engineering and Science	2/3/2014	Provide calculations of permeable and impermeable surfaces per credit requirements.
4.2	Architectural Alliance	2/3/2014	
4.3	Consulting Engineering and Science	2/3/2014	Indicate stormwater controls on plans and/or have lot designed by professional to manage runoff. Ryan Moore to visually verify stormwater controls.

<b>SS 5. Nontoxic Pest Control</b>			
5	Beatriz	2/3/2014	Install pest control alternatives per credit requirements. Take photos of borate spraying. Ryan moore to visually verify other items.

<b>SS 6. Compact Development</b>			
6.1	JSM	2/3/2014	Done
6.2	JSM	2/3/2014	
6.3	JSM	2/3/2014	Done 25 per acre

**Credits**                      **Responsible Party**                      **Last Updated**                      **Additional Notes**

<b>WE 1. Water Reuse</b>			
1.1	JSM and Beatriz	2/3/2014	Define locations and design of cistern, Stace to assist with calculation, Provide plans and cistern calculations.
1.2	JSM	2/3/2014	too expensive to incorporate
1.3	Beatriz	2/3/2014	Is there a purple pipe system?



<b>WE 2. Irrigation System</b>			
2.1	Architectural Alliance	2/3/2014	Install all components that are indicated as checked.
2.2	Green Rater	2/3/2014	Irrigation verification and testing.
2.3	JSM	2/3/2014	N/A doing credits above

<b>WE 3. Indoor Water Use</b>			
3.1	Beatrize	2/3/2014	Ensure proper components are installed. Provide cut sheets/submittals before installation. Ryan Moore to field verify.
3.2	Beatrize	2/3/2014	Ensure proper components are installed. Provide cut sheets/submittals before installation. Ryan Moore to field verify.

**Credits**                      **Responsible Party**                      **Last Updated**                      **Additional Notes**

<b>EA 1. Optimize Energy Performance</b>			
1.1	Ryan Moore	2/3/2014	Fill out ENERGY STAR checklist properly. Field verify.
1.2	Ryan Moore	2/3/2014	Fill out HERS assessment worksheet. Test and Verify.

<b>EA 7. Water Heating</b>			
7.1	JSM	2/3/2014	N/A - Not all units have ability for compact design and other options are expensive.provide calculations of compliance with either b) or c)
7.2	JSM	2/3/2014	Install minimum R-4 pipe insulation with all seams and connections taped. Ryan Moore to field verify.

<b>EA 11. Residential Refrigerant Management</b>			
11.1	Mechanical Subcontractor	2/3/2014	Fill out the ENERGY STAR HVAC System Quality Installation Contractor Checklist. Provide documentation of correct refrigerant charge for all mechanical equipment.
11.2	Mechanical Subcontractor	2/3/2014	Provide cut sheets for all mechanical equipment prior to purchase. Provide documentation of refrigerant type.

Credits

Responsible Party

Last Updated

Additional Notes

MR 1. Material-Efficient Framing			
1.1	General Contractor	2/3/2014	Provide documentation (invoice, letter, or equivalent) of compliance with credit requirements that framing order waste factor does not exceed 10%.
1.2	JSM	2/3/2014	CMU or cast in place therefore system not applicable to this credit
1.3	JSM	2/3/2014	CMU or cast in place therefore system not applicable to this credit
1.4	Beatriz	2/3/2014	Trusses for roof and floor? Any under framing? Comply with credit requirements. Ryan Moore to field verify.
1.5	Beatriz	2/3/2014	IF it is panelized concrete will it be made off site?

  

MR 2. Environmentally Preferable Products			
2.1	General Contractor	2/3/2014	Provide copy of letters sent to all wood suppliers. Use EDI-provided template if desired.
2.2	Beatriz	2/3/2014	Provide documentation for all materials listed.  CIR MR 02-146 applies to 1 story slab on grade projects we often see in New Mexico. MR 02-146 says that if the slab itself meets the EPP requirement which would usually be done with 25% fly ash content, then you can also check the boxes for foundation aggregate and floor framing EPP.

<b>MR 3. Waste Management</b>			
3.1	General Contractor	2/3/2014	Document diversion rate as construction proceeds (exclude demolition waste) Track all waste by weight and/or volume whether it is landfilled, recycled, or reused.
3.2	General Contractor	2/3/2014	Provide final waste diversion calculations and corresponding documentation. Track all waste by weight and/or volume whether it is landfilled, recycled, or reused.

**Credits**                      **Responsible Party**                      **Last Updated**                      **Additional Notes**

<b>EQ 1. ENERGY STAR w/ IAP</b>			
1	JSM	2/3/2014	not applicable very expensive

<b>EQ 2. Combustion Venting</b>			
2.1	MEP Engineers	2/3/2014	Provide cut sheets for all mechanical equipment prior to purchase. Field verify
2.2	JSM	2/3/2014	Completed - Provide cut sheet for fireplace.

<b>EQ 3. Moisture Control</b>			
3	Beatriz	2/3/2014	in the budget?

<b>EQ 4. Outdoor Air Ventilation</b>			
4.1	Ryan Moore	2/3/2014	Provide mechanical plans including ventilation system and cut sheets for all ventilation equipment. Field verify
4.2	Beatriz	2/3/2014	How will ventilation be provided to the units? Provide mechanical plans including ventilation system and cut sheets for all ventilation equipment. Field verify
4.3	Ryan Moore	2/3/2014	Field testing and verification.

<b>EQ 5. Local Exhaust</b>			
5.1	MEP Engineers	2/3/2014	Provide mechanical plans including ventilation system and cut sheets for all ventilation equipment. Field verify
5.2	MEP Engineers	2/3/2014	Provide mechanical plans including ventilation system and cut sheets for all ventilation equipment. Field verify
5.3	Ryan Moore	2/3/2014	Field testing and verification.
<b>EQ 6. Distribution of Space Heating and Cooling</b>			
6.1	Ryan Moore or MEP	2/3/2014	<a href="#">Provide room-by-room and duct calculations that are compliant with credit requirements</a>
6.2	JSM	2/3/2014	This is easy to design but it has to be tested and work in the field - expensive. Ryan to test pressure differential at final verification & testing visit. Credit may or may not be earned.
6.3	JSM	2/3/2014	this is usually too expensive due to CFM not balancing per the Manual J. At end of project, determine whether this credit should be pursued. EDI will charge an additional service estimated at \$250 (actual charges will depend on mechanical plans and number of registers tested)
<b>EQ 7. Air Filtering</b>			
7.1	JSM	2/3/2014	MERV 8 required. Investigate options for system filter capacity
7.2	JSM	2/3/2014	Too expensive. Provide documentation of MERV for the air filter. Ryan to field verify.
7.3	JSM	2/3/2014	Too expensive. Provide documentation of MERV for the air filter. Ryan to field verify.
<b>EQ 8. Contaminant Control</b>			
8.1	General Contractor	2/3/2014	Ensure ducts are properly sealed throughout the construction process. Protect ducts from contamination by dust or other materials at all stages of construction.
8.2	JSM	2/3/2014	All doors open to outside - too expensive. Field verify.
8.3	General Contractor	2/3/2014	Perform/document a building flush per credit requirements. Provide documentation of process, dates, & duration of flush out. Use EDI-provided Flush Out Log if desired.
<b>EQ 9. Radon Protection</b>			
9.1	JSM	2/3/2014	No system required. Install a radon mitigation system that meets credit requirements. Ryan Moore to field verify.
9.2	JSM	2/3/2014	do this already vent out first floor

<b>EQ 10. Garage Pollutant Protection</b>			
<b>Credits</b>	<b>Responsible Party</b>	<b>Last Updated</b>	<b>Additional Notes</b>
10.1	JSM	2/3/2014	Provide plans showing HVAC unit within the conditioned boundary.
10.2	JSM	2/3/2014	N/A no attached garages. Comply with credit requirements. Ryan to field verify.
10.3	JSM	2/3/2014	Not good idea in Florida brings in a ll humid hot air. Install a fan in the garage equipped with an automatic control. Ryan to field test control operation and fan flow.
10.4	JSM	2/3/2014	garages are detached

<b>Credits</b>	<b>Responsible Party</b>	<b>Last Updated</b>	<b>Additional Notes</b>
<b>AE 1. Education of Home Owner / Tenant</b>			
1.1	General Contractor	2/3/2014	Show(do not provide) Ryan a copy of completed O&M Manual and agenda for tenant walk-through. Use EDI-provided template and instructions if desired.
1.2	Building Manager	2/3/2014	Provide documentation of compliance.
1.3	Florida Crystals	2/3/2014	a) Provide documentation of participation in home tour b) Provide link to website (minimum 2 pages info on LEED features of building(s)) c) Provide copy of newspaper article d) Ryan to field verify sign is posted minimum 6 weeks continuously during construction
<b>AE 2. Education of the Building Manager</b>			
2	Florida Crystals	2/3/2014	Show(do not provide) Ryan copy of completed O&M Manual and agenda for tenant walk-through. Use EDI-provided template and instructions.



<i>Credits</i>	<i>Responsible Party</i>	<i>Last Updated</i>	<i>Additional Notes</i>
<b>EA 2. Insulation</b>			
<b>EA 3. Air Infiltration</b>			
<b>OR</b>			
<b>EA 4. Windows</b>			
<b>OR</b>			
<b>EA 5. Heating and Cooling Distribution</b>			
<b>OR</b>			

<b>EA 6. Space Heating and Cooling Equipment</b>			
<b>OR</b>	6.1		
	6.2		
	6.3		
<b>EA 7. Water Heating</b>			
	7.1		
	7.2		
	7.3		
<b>EA 8. Lighting</b>			
<b>OR</b>	8.1		
	8.2		
	8.3		
<b>EA 9. Appliances</b>			
	9.1		
	9.2		
<b>EA 10. Renewable Energy</b>			
	10		
<b>EA 11. Residential Refrigerant Management</b>			
	11.1		
	11.2		