LEED for Homes Project Checklist

for Homes

Builder Name:	***Urbanica Construction + Placetailor***
Project Team Leader:	***Daryn Edwards, ISA - Interface Studio Architects LLC***
Home Address (Street/City/State):	***226-232 Highland Street, Boston, Massachusetts***

Project Description

Building Type: ***Single attached*** Project type: ***Small Speculative***

# of Bedrooms: ***3*** Floor Area: ***2,044***

Adjusted Certification Thresholds

Certified: ***47.0*** Gold: ***77.0***

Silver: ***62.0*** Platinum: ***92.0***

Project Point Total

Prelim: ***100.5 + 0 maybe pt*** **Final:** ***100.5***

Certification Level

Prelim: ***Platinum*** **Final:** ***Platinum***

Final Credit Category Point Totals

ID: 8 ***SS: 16.5*** ***EA: 35*** ***EQ: 14***

LL: 10 ***WE: 5*** ***MR: 11*** ***AE: 1***

Date Most Recently Updated: *11/7/2013* *Updated by:* *William D'Arrigo*

✍ ***Indicates that an Accountability Form is required.***

		Max Pts. Available	Preliminary Rating Y / Pts	Maybe	No	Project Points
Innovation & Design Process (ID)	(Minimum 0 ID Points Required)	***Max: 11***	***Y:8***	***M:0***	**Notes**	***Final: 8***
1. Integrated Project Planning						
1.1	Preliminary Rating	*Prereq.*	*Y*			*Y*
	Target performance tier: ***Platinum***					
1.2	Integrated Project Team *(meet all of the following)*	*1*	*1*	*0*		*1*
	☑ a) Individuals or organizations with necessary capabilities		☑ c) Regular meetings held with project team			
	☑ b) All team members involved in various project phases					
1.3	Professional Credentialed with Respect to LEED for Homes	*1*	*0*	*0*		*0*
1.4	Design Charrette	*1*	*0*	*0*		*0*
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 450 sq. ft. of south-facing 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. Quality Management for Durability						
2.1	Durability Planning *(meet all of the following)*	*Prereq.*	*Y*			*Y*
	☑ a) Durability evaluation completed		☑ d) Durability strategies incorporated into project documentation			
	☑ b) Strategies developed to address durability issues		☑ e) Durability measures listed in durability inspection checklist			
	☑ c) Moisture control measures from Table 1 incorporated					
2.2	Durability Management *(meet one of the following)*	*Prereq.*	*Y*			*Y*
	☑ Builder has a quality management process in place		☑ 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 #):	***LL 5.3 Exemplary Perf. 250/Rides***	*1*	*1*	*0*	*1*
3.2	✍ Innovation 2 (ruling #):	***EA 01 Negative HERS Index***	*1*	*1*	*0*	*1*
3.3	✍ Innovation 3 (ruling #):	***EA 01 Negative HERS Index***	*1*	*1*	*0*	*1*
3.4	✍ Innovation 4 (ruling #):	***Energy Management & Monitoring***	*1*	*1*	*0*	*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 *(meet all of the following)*		*2*	*2*	*0*	*2*

- ☑ a) Built above 100-year floodplain defined by FEMA
- ☑ b) Not built on habitat for threatened or endangered species
- ☑ c) Not built within 100 ft of water, including wetlands
- ☑ d) Not built on land that was public parkland prior to acquisition
- ☑ e) Not built on land with prime soils, unique soils, or soils of state significance

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 *(meet one of the following)*	*1*	*0*	*0*	*0*

- ☐ a) Within 1/4 mile of 4 basic community resources
- ☐ b) Within 1/2 mile of 7 basic community resources
- ☐ c) Within 1/2 mile of transit services providing 30 rides per weekday

OR	5.2	Extensive Community Resources / Transit *(meet one of the following)*	*2*	*0*	*0*	*0*

- ☐ a) Within 1/4 mile of 7 basic community resources
- ☐ b) Within 1/2 mile of 11 basic community resources
- ☐ c) Within 1/2 mile of transit services providing 60 rides per weekday

OR	5.3	Outstanding Community Resources / Transit *(meet one of the following)*	*3*	*3*	*0*	*3*

- ☐ a) Within 1/4 mile of 11 basic community resources
- ☐ b) Within 1/2 mile of 14 basic community resources
- ☑ c) Within 1/2 mile of transit services providing 125 rides per weekday

6. Access to Open Space

6	Access to Open Space		*1*	*1*	*0*	*1*

Sustainable Sites (SS) (Minimum 5 SS Points Required)

Max: 22 Y:16.5 M:0 | ***Notes*** | ***Final: 16.5***

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.
- ☑ b) Control the path and velocity of runoff with silt fencing or equivalent.
- ☑ c) Protect sewer inlets, streams, and lakes with straw bales, silt fencing, etc.
- ☑ d) Provide swales to divert surface water from hillsides
- ☑ e) Use tiers, erosion blankets, compost blankets, etc. on sloped areas.

1.2	Minimize Disturbed Area of Site *(meet the appropriate requirements)*	*1*	*1*	*0*		*1*

Where the site is not previously developed, meet all the following:

- ☐ 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	✍ No Invasive Plants	*Prereq.*	*Y*			*Y*
2.2	✍ Basic Landscaping Design *(meet all of the following)*	*2*	*2*	*0*		*2*

- ☑ a) Any turf must be drought-tolerant.
- ☑ b) Do not use turf in densely shaded areas.
- ☑ c) Do not use turf in areas with slope of 25%
- ☑ d) Add mulch or soil amendments as appropriate.
- ☑ e) All compacted soil must be tilled to at least 6 inches.

AND/OR 2.3	✍ Limit Conventional Turf	*3*	*2*	*0*		*2*

34% Percentage of designed landscape softscape area that is turf

AND/OR 2.4	✍ Drought-Tolerant Plants	*2*	*1*	*0*		*1*

66% Percentage of installed plants that are drought-tolerant

OR 2.5	✍ Reduce Overall Irrigation Demand by at Least 20%	*6*	*0*	*0*		*0*

[ ] Percentage reduction in estimated irrigation water demand *(calculate)*

3. Reduce Local Heat Island Effects

3	✍ Reduce Local Heat Island Effects *(meet one of the following)*	*1*	*1*	*0*		*1*

- ☐ a) Locate trees / plantings to provide shade for 50% of hardscapes
- ☑ b) Install light-colored, high-albedo materials for 50% of sidewalks, patios, and driveways

4. Surface Water Management

4.1	✍ Permeable Lot	*4*	*2*	*0*	*2*

53% vegetative landscape

28% permeable paving

0% impermeable surfaces directed to infiltration features

19% other impermeable surfaces (areas not counted towards credit)

4.2	Permanent Erosion Controls *(meet one of the following)*	*1*	*1*	*0*	*1*

☑ a) For portions of lot on steep slope, use terracing and retaining walls

☐ b) Plant trees, shrubs, or groundcover

4.3	✍ Management of Runoff from Roof *(meet any, see Rating System for pts)*	*2*	*1*	*0*	*1*

☑ a) Install permanent stormwater controls to manage runoff from the home

☐ b) Install vegetated roof to cover 50% of roof area

☐ c) Install vegetated roof to cover 100% of roof area

☐ d) Have lot designed by professional to manage runoff from home on-site

5. Nontoxic Pest Control

5	Pest Control Alternatives *(meet any of the following, 1/2 pt each)*	*2*	*1.5*	*0*	*1.5*

☐ 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

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

☐ 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*	*0*

4 # of total units on the lot *0.2* lot size (acres) *26.3* 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:5* *M:0* *Notes* *Final: 5*

1. Water Reuse

1.1	Rainwater Harvesting System	*4*	*0*	*0*	*0*

[ ] Percentage of roof area used for harvesting

[ ] 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	0	0		0

- ☐ a) Irrigation system designed by EPA Water Sense certified professional
- ☐ b) Irrigation system with head-to-head coverage
- ☐ c) Install central shut-off valve
- ☐ d) Install submeter for the irrigation system
- ☐ e) Use drip irrigation for 50% of planting beds
- ☐ f) Create separate zones for each type of bedding
- ☐ g) Install timer or controller for each watering zone
- ☐ h) Install pressure-regulating devices
- ☐ i) High-efficiency nozzles with distribution uniformity of at least 0.70.
- ☐ j) Install check valves in heads
- ☐ k) Install moisture sensor or rain delay controller

AND/OR	2.2 Third-party Inspection	1	0	0		0
OR	2.3 ✍ Reduce Overall Irrigation Demand by at Least 45%	4	0	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	1	0		1

- ☐ a) Average flow rate of lavatory faucets is ≤ 2.00 gpm
- ☐ b) Average flow rate for all showers is ≤ 2.00 gpm per stall
- ☑ c) Average flow rate for all toilets is ≤ 1.30 gpf; OR
  - ☑ Toilets are dual-flush; OR
  - ☑ Toilets meet the EPA Water Sense specification

3.2	Very High-Efficiency Fixtures and Fittings *(meet any, 2 pts each)*	6	4	0		4

- ☑ a) Average flow rate of lavatory faucets is ≤ 1.50 gpm; OR
  - ☐ Lavatory faucets meet the EPA Water Sense specification
- ☑ b) Average flow rate for all showers ≤ 1.75 gpm per stall
- ☐ c) Average flow rate for all toilets is ≤ 1.10 gpf

Energy & Atmosphere (EA) (Minimum 0 EA Points Required)

Max: 38 Y:35 M:0 **Notes** *Final: 35*

1. Optimize Energy Performance

1.1	Performance of ENERGY STAR for Homes	Prereq.	Y			Y
1.2	Exceptional Energy Performance	34	34	0		34

5 IECC climate zone -6 HERS Index

7. Water Heating

7.1	✍ Efficient Hot Water Distribution System *(meet one of the following)*	2	0	0		0

- ☐ a) Structured plumbing system
- ☐ b) Central manifold distribution system
- ☐ c) Compact design of conventional system

7.2	Pipe Insulation	1	0	0		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		1

- ☐ a) Use no refrigerants
- ☑ b) Use non-HCFC refrigerants
- ☐ c) Use refrigerants that complies with global warming potential equation

Materials & Resources (MR) (Minimum 2 MR Points Required)

Max: 16 Y:11 M:0 **Notes** **Final: 11**

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 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
		☐ Precut framing packages		☑ Stud spacing greater than 16" on center		
		☐ Open-web floor trusses		☐ Ceiling joist spacing greater than 16" on center		
		☐ Structural insulated panel walls		☑ Floor joist spacing greater than 16" on center		
		☐ Structural insulated panel roof		☑ Roof rafter spacing greater than 16" on center		
		☐ Structural insulated panel floors		☑ Two of the following: Size headers for loads; ladder blocking; drywall clips; 2-stud		
OR	1.5	Off-site Fabrication *(meet one of the following)*	4	0	0	0
		☐ a) Panelized construction		☐ b) Modular, prefabricated construction		

2. Environmentally Preferable Products

	2.1	✍ FSC Certified Tropical Wood *(meet all of the following)*	Prereq.	Y		Y
		☑ a) Provide suppliers with a notice of preference for FSC products; AND		☑ b) No tropical wood installed (exceptions for FSC-certified or reclaimed wood)		
		☑ Request country of manufacture for each wood product				
	2.2	✍ Environmentally Preferable Products *(meet any, 1/2 pt each)*	8	7	0	7

Assembly : component	(a) EPP			(b) Low emission		(c) Local production	
Exterior wall: framing	☐		type: Local			☑	
Exterior wall: siding or masonry	☐		type:			☐	
Floor: flooring	☐	(45%)	type:	☑	90% hard flooring	☐	(45%)
Floor: flooring	☐	(90%)	type:	☐	SCS FloorScore	☐	(90%)
Floor: flooring				☐	Green Label Plus		
Floor: framing	☐		type:			☐	
Foundation: aggregate	☐		type:			☐	
Foundation: cement	☑		type: Fly Ash			☑	
Interior wall: framing	☐		type: Local			☑	
Interior wall, ceiling: gypsum board	☐		type:			☐	
Interior wall, ceiling, millwork: paint	☐		type:	☑	type: No VOC		
Landscape: decking and patio	☐		type:			☐	
Other: cabinet	☑		type: NAUF, Recycled, Bamboo			☐	
Other: counter	☑		type: Composite, GreenGuard			☐	
Other: door	☐		type:			☐	
Other : interior trim	☑		type: FSC			☐	
Other : adhesive, sealant				☐	type:		
Other : window frame	☐		type:			☐	
Roof: framing	☐		type: Local			☑	
Roof: roofing	☐		type:			☐	
Roof, floor, wall: cavity insulation	☑		type: Cellulose	☐	type:	☑	
Roof, floor, wall (2 of 3): sheathing	☐		type: Local			☑	
Other: water supply piping	☑		type: PEX				
Other: driveway	☐		type:				

3. Waste Management

3.1	Construction Waste Management Planning *(meet both of the following)*	*Prereq.*	*Y*		*Y*

☑ a) Investigate local options for waste diversion ☑ b) Document diversion rate for construction waste

3.2	Construction Waste Reduction *(use one of the following methods)*	*3*	*1.5*	*0*	*1.5*

[ ] a) pounds waste / square foot

[ ] cubic yards waste / 1,000 square feet

[*51%*] 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 (meet all of the following)	*Prereq.*	*Y*		*Y*

☑ a) no unvented combustion appliances

☑ b) carbon monoxide monitors on each floor (of each unit, if applicable)

☑ c) no fireplace installed, OR

☐ all fireplaces and woodstoves have doors

☐ d) space, water heating equipment designed with closed combustion; OR

☐ space and water heating equipment has power-vented exhaust; OR

☐ space and water heating equipment located in detached or open-air facility; OR

☑ no space- or water-heating equipment with combustion

2.2	Enhanced Combustion Venting Measures (meet one of the following)	*2*	*2*	*0*	*2*

Type of Fireplace or stove	*Better practice (1 pt)*	*Best practice (2 pts) (must also meet Better Practice)*
None		☑ granted automatically
Masonry wood-burning fireplace	☐ masonry heater	☐ back-draft potential test
Factory-built wood-burning fireplace	☐ listed by testing lab and meets EPA standards	☐ back-draft potential test
Woodstove and fireplace insert	☐ listed by testing lab and meets EPA standards	☐ back-draft potential test
Natural gas, propane, or alcohol stove	☐ listed, power- or direct-vented, fixed doors	☐ electronic pilot
Pellet stove	☐ EPA certified or meets safety requirements	☐ power- or direct-venting

3. Moisture Control

3	Moisture Load Control (meet one of the following)	*1*	*0*	*0*	*0*

☐ a) Additional dehumidification system

☐ b) Central HVAC system equipped with additional dehumidification mode

4. Outdoor Air Ventilation

4.1	Basic Outdoor Air Ventilation (meet one of the following)	*Prereq.*	*Y*		*Y*

☐ a) Qualifies under ASHRAE Std. 62.2-2007 climate exemption.

☑ b) Continuous ventilation

☐ c) Intermittent ventilation

☐ d) Passive ventilation

4.2	Enhanced Outdoor Air Ventilation *(meet one of the following)*	*2*	*2*	*0*	*2*

☐ a) Meets EQ 4.1 part (a), active ventilation system installed

☑ b) Install heat recovery system

4.3	Third-Party Performance Testing	*1*	*1*	*0*	*1*

5. Local Exhaust

5.1	✍	Basic Local Exhaust (meet all of the following)	*Prereq.*	*Y*			*Y*
	☑	a) Bathroom and kitchen exhaust meets ASHRAE Std. 62.2 air flow requirement	☑	c) Air exhausted to outdoors			
	☑	b) Fans and ducts designed and installed to ASHRAE Std. 62.2	☑	d) ENERGY STAR labeled bathroom exhaust fans			
5.2		Enhanced Local Exhaust *(meet one of the following)*	*1*	*1*	*0*		*1*
	☐	a) Occupancy sensor	☐	c) Automatic timer tied to switch to operate fan for 20+ minutes post-occupancy			
	☐	b) Automatic humidistat controller	☑	d) Continuously operating exhaust fan			
5.3		Third-Party Performance Testing	*1*	*1*	*0*		*1*

6. Distribution of Space Heating and Cooling

6.1	✍	Room-by-Room Load Calculations	*Prereq.*	*Y*			*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			
	☐	a) Return air opening of 1 sq. inch per cfm of supply	☐	Flow control valves on every radiator; OR			
	☐	b) Limited pressure differential between closed room and adjacent spaces	☐	Radiant floor system with thermostatic controls in every room			
6.3		Third-Party Performance Test / Multiple Zones (meet one of the following)	*2*	*2*	*0*		*2*
		A. Forced-Air Systems		B. Nonducted HVAC Systems			
	☐	Have supply air flow rates in each room tested and confirmed	☑	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*		*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 central vacuum system with exhaust to outdoors			
	☐	b) Design shoe removal and storage space near primary entryway					
8.3	✍	Preoccupancy Flush	*1*	*1*	*0*		*1*

9. Radon Protection

9.1	✍	Radon-Resistant Construction in High-Risk Areas	*Prereq.*	*N/A*			*N/A*
9.2	✍	Radon-Resistant Construction in Moderate-Risk Areas	*1*	*0*	*0*		*0*

10. Garage Pollutant Protection

	10.1 No HVAC in Garage	*Prereq.*	*Y*		*Y*
	10.2 Minimize Pollutants from Garage (meet all of the following)	*2*	*0*	*0*	*0*

a) In conditioned spaces above garage:

- ☐ Seal all penetrations and connecting floor and ceiling joist bays

b) In conditioned spaces next to garage

- ☐ Weather-strip all doors
- ☐ Carbon monoxide detectors in rooms that share a door with garage
- ☐ Seal all penetrations and cracks at the base of walls

AND/OR	10.3 Exhaust Fan in Garage (meet one of the following)	*1*	*0*	*0*	*0*

- ☐ a) Fan runs continuously
- ☐ b) Fan designed with automatic timer control

OR	10.4 Detached Garage or No Garage	*3*	*3*	*0*	*3*

Awareness & Education (AE) (Minimum 0 AE Points Required)

Max: 3 *Y:1* *M:0* *Notes* *Final: 1*

1. Education of the Homeowner or Tenant

	1.1 ✍ Basic Operations Training *(meet both of the following)*	*Prereq.*	*Y*		*Y*

- ☑ a) Operations and training manual
- ☑ b) One-hour walkthrough with occupant(s)

	1.2 ✍ Enhanced Training	*1*	*0*	*0*	*0*
	1.3 Public Awareness *(meet three of the following)*	*1*	*1*	*0*	*1*

- ☐ a) Open house on at least four weekends
- ☑ b) Website about features and benefits of LEED homes
- ☑ c) Newspaper article on the project
- ☑ d) Display LEED signage on the exterior of the home

2. Education of the Building Manager

	2 ✍ Education of the Building Manager *(meet both of the following)*	*1*	*0*	*0*	*0*

- ☐ a) Operations and training manual
- ☐ 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 allegens, 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	***Daryn Edwards***	Company	***ISA - Interface Studio Architects LLC***
Signature		Date	

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	***Michael Schofield***	Company	***Conservation Services Group***
Signature		Date	

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	***William D'Arrigo***	Company	***Conservation Services Group***
Signature		Date	

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		Company	
Signature		Date	