



Project Checklist LEED for Homes

Builder Name:	Chandler Design-Build Inc.
Home Address (Street/City/State):	Esposito Newman Residence

Input Values:		Minimum No. of Points Required:									
No of Bedrooms:	2	Floor Area (SF):	2500	Certified:	55	Silver:	70	Gold:	85	Platinum:	100
Detailed information on the measures below are provided in the companion document "LEED for Homes Rating System"											
										Max Points Available	
Y / Pts	No	N/A	Innovation and Design Process (ID)				(Minimum of 0 ID Points Required)				
										9	
y			1.1	Integrated Project Planning	Preliminary Rating				Prerequisite		
1			1.2		Integrated Project Team				1		
1			1.3		Design Charrette				1		
y			2.1	Quality Management for Durability	Durability Planning: (Pre-Construction)				Prerequisite		
y			2.2		Wet Room Measures				Prerequisite		
y			2.3		Quality Management				Prerequisite		
m			2.4		Third-Party Durability Inspection				3		
			3.1	Innovative / Regional Design	Provide Description and Justification for Specific Measure				1		
			3.2		Provide Description and Justification for Specific Measure				1		
			3.3		Provide Description and Justification for Specific Measure				1		
			3.4		Provide Description and Justification for Specific Measure				1		
2		Sub-Total									
Y / Pts	No	N/A	Location and Linkages (LL)				(Minimum of 0 LL Points Required)		OR		
										10	
HOLD				1	LEED-ND Neighborhood			LL2-5		10	
y			2	Site Selection	Avoid Environmentally Sensitive Sites and Farmland				LL1	2	
			3.1	Preferred Locations	Select an Edge Development Site				LL1	1	
			3.2		OR	Select an Infill Site			LL1	2	
			3.3			Select a Previously Developed Site			LL1	1	
			4	Infrastructure	Site within 1/2 Mile of Existing Water and Sewer				LL1	1	
			5.1	Community Resources & Public Transit	Basic Community Resources / Public Transportation				LL1	1	
			5.2		OR	Extensive Community Resources / Public Transportation			LL1	2	
			5.3		OR	Outstanding Community Resources / Public Transportation			LL1	3	
			6	Access to Open Space	Publicly Accessible Green Spaces				LL1	1	
0		Sub-Total									
Y / Pts	No	N/A	Sustainable Sites (SS)				(Minimum of 5 SS Points Required)		OR		
										21	
y			1.1	Site Stewardship	Erosion Controls (During Construction)				Prerequisite		
1			1.2		Minimize Disturbed Area of Site				1		
y			2.1	Landscaping	No Invasive Plants				Prerequisite		
2			2.2		Basic Landscaping Design				2		
3			2.3		Limit Turf				3		
2			2.4		Drought Tolerant Plants				2		
			3	Shading of Hardscapes	Locate and Plant Trees to Shade Hardscapes				1		
			4.1	Surface Water Management	Design Permeable Site				4		
2			4.2		Design and Install Permanent Erosion Controls				2		
			5	Non-Toxic Pest Control	Select Insect and Pest Control Alternatives from List				2		
			6.1	Compact Development	Average Housing Density ≥ Units / Acre				LL1	2	
			6.1		OR	Average Housing Density ≥ 10 Units / Acre			LL1	3	
			6.3		OR	Average Housing Density ≥ 20 Units / Acre			LL1	4	
10		Sub-Total									
Y / Pts	No	N/A	Water Efficiency (WE)				(Minimum of 3 WE Points Required)		OR		
										15	
4			1.1	Water Reuse	Rainwater Harvesting System				4		
			1.2		Grey Water Re-Use System				1		
			2.1	Irrigation System	Select High Efficiency Measures from List				3		
			2.2		Third Party Verification				1		
4			2.3		OR	Install Landscape Designed by Licensed or Certified Professional			WE 2.2	4	
3			3.1	Indoor Water Use	High Efficiency Fixtures (Toilets, Showers, and Faucets)				3		
			3.2		OR	Very High Efficiency Fixtures (Toilets, Showers, and Faucets)			WE 3.1	6	
11		Sub-Total									



Project Checklist (cont'd)

HERS Index Value Achieved:
 IECC Climate Zone:

EA 1.2 Pts Achieved:

Y / Pts	No	N/A	Energy and Atmosphere (EA)	(Minimum of 0 EA Points Required)	OR	38	
y			1.1 ENERGY STAR Home	Meets ENERGY STAR for Homes with Third-Party Testing		Prerequisite	
			1.2	Exceeds ENERGY STAR for Homes	EA 2-10	34	
		✓	7.1 Water Heating	Improved Hot Water Distribution System		2	
			7.2	Pipe Insulation		1	
		✓	11 Refrigerant Management	Minimize Ozone Depletion and Global Warming Contribution:		1	
22			Sub-Total (or Sub-Total from Adendum A - Prescriptive EA Credits)				
Y / Pts	No	N/A	Materials and Resources (MR)	(Minimum of 2 MR Points Required)	OR	14	
Y			1.1 Material Efficient Framing	Overall Waste Factor for Framing Order Shall be No More than 10%.		Prerequisite	
3			1.2	Advanced Framing Techniques		3	
			1.3	OR Structurally Insulated Panels	MR 1.2	2	
		✓	2.1 Environmentally Preferable	Tropical Woods, if Used, Must be FSC		Prerequisite	
2			2.2 Products	Select Environmentally Preferable Products from List		8	
y			3.1 Waste Management	Document Overall Rate of Diversion		Prerequisite	
3			3.2	Reduce Waste Sent to Landfill by 25% to 100%		3	
8			Sub-Total				
Y / Pts	No	N/A	Indoor Environmental Quality (IEQ)	(Minimum of 6 IEQ Points Required)	OR	20	
			1 ENERGY STAR with IAP	Meets ENERGY STAR w/ Indoor Air Package (IAP)	IEQ2-10	11	
y			2.1 Combustion Venting	Space Heating & DHW Equip w/ Closed/Power-Exhaust	IEQ 1	Prerequisite	
2			2.2	Install High Performance Fireplace	IEQ 1	2	
		✓	3 Moisture Control	Analyze Moisture Loads AND Install Central System (if Needed)	IEQ 1	1	
y			4.1 Outdoor Air Ventilator	Meets ASHRAE Std 62.2	IEQ 1	Prerequisite	
2			4.2	Dedicated Outdoor Air System (w/ Heat Recovery)	IEQ 1	2	
1			4.3	Third-Party Testing of Outdoor Air Flow Rate into Home		1	
y			5.1 Local Exhaust	Meets ASHRAE Std 62.2	IEQ 1	Prerequisite	
1			5.2	Timer / Automatic Controls for Bathroom Exhaust Fans	IEQ 1	1	
1			5.3	Third-Party Testing of Exhaust Air Flow Rate Out of Home		1	
y			6.1 Supply Air Distribution	Meets ACCA Manual D	IEQ 1	Prerequisite	
			6.2	Third-Party Testing of Supply Air Flow into Each Room in Home		2	
?			7.1 Supply Air Filtering	≥ 8 MERV Filters, w/ Adequate System Air Flow	IEQ 1	Prerequisite	
			7.2	≥ 10 MERV Filters, w/ Adequate System Air Flow		1	
			7.3	OR ≥ 13 MERV Filters, w/ Adequate System Air Flow		2	
1			8.1 Contaminant Control	Seal-Off Ducts During Construction	IEQ 1	1	
			8.2	Permanent Walk-Off Mats OR Shoe Storage OR Central Vacuum		2	
		✓	8.3	Flush Home Continuously for 1 Week with Windows Open		1	
		✓	9.1 Radon Protection	Install Radon Resistant Construction if Home is in EPA Zone 1	IEQ 1	Prerequisite	
1			9.2	Install Radon Resistant Construction if Home is not in EPA Zone 1	IEQ 1	1	
y			10.1 Garage Pollutant Protector	No Air Handling Equipment OR Return Ducts in Garage	IEQ 1	Prerequisite	
			10.2	Tightly Seal Shared Surfaces between Garage and Home	IEQ 1	2	
			10.3	Exhaust Fan in Garage		1	
3			10.4	OR Detached Garage or No Garage	IEQ 1	3	
12			Sub-Total				
Y / Pts	No	N/A	Awareness and Education (AE)	(Minimum of 0 AE Points Required)	OR	3	
y			1.1 Education for Homeowner	Basic Occupant's Manual and Walkthrough of LEED Home		Prerequisite	
1			1.2 and/or Tenants	Comprehensive Occupant's Manual and Multiple Walkthroughs / Trainings		1	
1			1.3	Public Awareness of LEED Home		1	
		✓	2.1 Education for Building Mgrs	Basic Building Manager's Manual and Walkthrough of LEED Home		1	
2			Sub-Total				
89			Project Totals (pre-certification estimates)				130



for Homes

Project Checklist, Addendum A Prescriptive Approach for Energy and Atmosphere (EA) Credits

Detailed information on the measures below are provided in the companion document "LEED for Homes Rating System"					Max Points Available	
Y / Pts	No	N/A	Energy and Atmosphere (EA)	(Minimum of 0 EA Points Required)	OR	38
y			2.1 Insulation	Third-Party Inspection of Insulation, At Least HERS Grade II	EA 1	Prerequisite
2		✓	2.2	Third-Party Inspection of Insulation, Grade I ANL 5% above code	EA 1	2
			3.1 Air Infiltration	Third-Party Envelope Air Leakage Tested <= 7.0 ACH50 (CZ 1-2)	EA 1	Prerequisite
2			3.2	Third-Party Envelope Air Leakage Tested <= 5.0 ACH50 (CZ 1-2)	EA 1	2
			3.3	OR Third-Party Envelope Air Leakage Tested <= 3.0 ACH50	EA 1	3
y			4.1 Windows	Windows Meet ENERGY STAR for Windows (See Table)	EA 1	Prerequisite
			4.2	Windows Exceed ENERGY STAR for Windows (See Table)	EA 1	2
3			4.3	OR Windows Exceed ENERGY STAR for Windows (See Table)	EA 1	3
y			5.1 Duct Tightness	Third-Party Duct Leakage Tested <= 4.0 CFM25 / 100 SF to Outside	EA 1	Prerequisite
			5.2	Third-Party Duct Leakage Tested <= 3.0 CFM25 / 100 SF to Outside	EA 1	2
3			5.3	OR Third-Party Duct Leakage Tested <= 1.0 CFM25 / 100 SF to Outside	EA 1	3
y		✓	6.1 Space Heating and Cooling	Meets ENERGY STAR for HVAC w/ Manual J & refrigerant charge test	EA 1	Prerequisite
			6.2	HVAC is Better than ENERGY STAR	EA 1	2
			6.3	OR HVAC Substantially Exceeds ENERGY STAR	EA 1	4
2		✓	7.1 Water Heating	Improved Hot Water Distribution System		2
1			7.2	Pipe Insulation		1
3			7.3 Water Heating	Improved Water Heating Equipment	EA 1	3
y			8.1 Lighting	Install at Least Three ENERGY STAR labeled Light Fixtures (or CFLS)	EA 1	Prerequisite
3			8.2	Energy Efficient Fixtures and Controls	EA 1	2
		✓	8.3	OR ENERGY STAR Advanced Lighting Package	EA 1	3
			9.1 Appliances	Select Appliances from List	EA 1	2
			9.2	Very Efficient Clothes Washer (MEF > 1.8, AND WF < 5.5)	EA 1	1
		✓	10 Renewable Energy	Renewable Electric Generation System (1 Point / 5% Reduction)	EA 1	10
1		✓	11 Refrigerant Management	Minimize Ozone Depletion and Global Warming Contribution:		1
22			Sub-Total			

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.

Builder's Name

Company

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, and will provide the project documentation file, if requested.

Rater's Name

Company

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, and will provide the project documentation file, if requested.

Provider's Name

Company

Signature

Date