

RESIDENTIAL ENERGY CONSERVATION CODE DOCUMENTATION CHECKLIST

Florida Department of Business and Professional Regulation Simulated Performance Alternative (Performance) Method

Applications for compliance with the 2023 Florida Building Code, Energy Conservation via the Residential Simulated Performance Alternative shall include:

- This checklist*
- Form R405-2023 report*
- Input summary checklist that can be used for field verification (usually four pages/may be greater)*
- Energy Performance Level (EPL) Display Card (one page)*
- HVAC system sizing and selection based on ACCA Manual S or per exceptions provided in Section R403.7*
- Mandatory Requirements (five pages)*

Required prior to CO:

- Air Barrier and Insulation Inspection Component Criteria checklist (Table R402.4.1.1 - one page)*
- A completed 2023 Envelope Leakage Test Report (usually one page); exception in R402.4 allows dwelling units of R-2 Occupancies and multiple attached single family dwellings to comply with Section C402.5*
- If Form R405 duct leakage type indicates anything other than "default leakage", then a completed 2023 Duct Leakage Test Report - Performance Method (usually one page)*

INPUT SUMMARY CHECKLIST REPORT

PROJECT														
Title:	America's Home Place (Jackson Job)					Address type:	Street Address							
Building Type:	User		Bedrooms:	3		Lot #:	---							
Owner:	Foye & Kelly Jackson		Conditioned Area:	1667		Block/SubDivision:	---							
Builder Home ID:			Total Stories:	1		PlatBook:	---							
Builder Name:	AHP		Worst Case:	No		Street:	Lona Loop							
Permit Office:			Rotate Angle:	0		County:	Alachua							
Jurisdiction:			Cross Ventilation:			City, State, Zip:	Lake City, FL,							
Family Type:	Detached		Whole House Fan:											
New/Existing:	New (From Plans)		Terrain:	Suburban										
Year Construct:			Shielding:	Suburban										
Comment:														
CLIMATE														
<input checked="" type="checkbox"/>	Design Location	Tmy Site	Design Temp	97.5%	2.5%	Int Design Temp	Winter	Summer	Heating Degree Days	Design Moisture	Daily temp Range			
___	FL, Tallahassee	FL_TALLAHASSEE_REGIONA	28	94		70	75	1545	46	Medium				
BLOCKS														
<input checked="" type="checkbox"/>	Number	Name	Area	Volume										
___	1	Block1	1667	15003 cu ft										
SPACES														
<input checked="" type="checkbox"/>	Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Finished	Cooled	Heated				
___	1	Main	1667	15003	Yes	5	3	Yes	Yes	Yes				
FLOORS (Total Exposed Area = 1667 sq.ft.)														
<input checked="" type="checkbox"/>	#	Floor Type	Space	Exposed Perim(ft)	Area	R-Value Perim.	U-Factor Joist	Slab Insul. Vert/Horiz	Tile	Wood	Carpet			
___	1	Slab-On-Grade Edge Ins	Main	180	1667 sqft	0.0	---	0.304	0 (ft)/0 (ft)	0.00	0.00	1.00		
ROOF														
<input checked="" type="checkbox"/>	#	Type	Materials	Roof Area	Gable Area	Framing. Fract.	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt Tested	Deck Insul.	Pitch (deg)	
___	1	Hip	Composition shingles	1806 ft²	0 ft²	0.11	Medium	Y	0.96	No	0.9	No	0	22.62
ATTIC														
<input checked="" type="checkbox"/>	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC							
___	1	Full attic	Vented	300	1667 ft²	Y	N							
CEILING (Total Exposed Area = 1667 sq.ft.)														
<input checked="" type="checkbox"/>	#	Ceiling Type	Space	R-Value	Ins. Type	Area	U-Factor	Framing Frac.	Truss Type					
___	1	Flat ceiling under attic(Vented)	Main	38.0	Blown	1667.0ft²	0.024	0.11	Wood					

INPUT SUMMARY CHECKLIST REPORT

WALLS

(Total Exposed Area = 1620 sq.ft.)

✓ #	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft In	Height Ft In	Area sq.ft.	U-Factor	Sheath R-Value	Frm. Frac.	Solar Absor.	Below Grade
___ 1	N	Exterior	Frame - Wood	Main	13.0	58.0 0	9.0 0	522.0	0.084		0.23	0.75	0.0 %
___ 2	E	Exterior	Frame - Wood	Main	13.0	32.0 0	9.0 0	288.0	0.084		0.23	0.75	0.0 %
___ 3	S	Exterior	Frame - Wood	Main	13.0	58.0 0	9.0 0	522.0	0.084		0.23	0.75	0.0 %
___ 4	W	Exterior	Frame - Wood	Main	13.0	32.0 0	9.0 0	288.0	0.084		0.23	0.75	0.0 %

DOORS

(Total Exposed Area = 40 sq.ft.)

✓ #	Ornt	Adjacent To	Door Type	Space	Storms	U-Value	Width Ft In	Height Ft In	Area
___ 1	N	Exterior	Insulated	Main	None	0.46	3.00 0	6.00 8	20.0ft²
___ 2	S	Exterior	Insulated	Main	None	0.46	3.00 0	6.00 8	20.0ft²

WINDOWS

(Total Exposed Area = 208 sq.ft.)

✓ #	Ornt	Wall ID	Frame	Panes	NFRC U-Factor	SHGC	Imp	Storm	Total Area (ft²)	Same Units	Width (ft)	Height (ft)	--Overhang-- Depth (ft)	Sep. (ft)	Interior Shade	Screen
___ 1	N	1	Vinyl	Double (Tinted)	Y 0.35	0.29	N	N	46.0	1	11.50	4.00	1.0	0.0	Drapes/blinds	None
___ 2	S	3	Vinyl	Double (Tinted)	Y 0.35	0.29	N	N	162.0	1	40.50	4.00	1.0	0.0	Drapes/blinds	None

INFILTRATION

✓ #	Scope	Method	SLA	CFM50	ELA	EqLA	ACH	ACH50	Space(s)	Infiltration Test Volume
___ 1	Wholehouse	Proposed ACH(50)	0.00034	1500	82.31	154.53	0.1200	6.0	All	15003 cu ft

MASS

✓ #	Mass Type	Area	Thickness	Furniture Fraction	Space
___ 1	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Main

HEATING SYSTEM

✓ #	System Type	Subtype/Speed	AHRI #	Efficiency	Capacity kBtu/hr	---Geothermal HeatPump---			Ducts	Block
						Entry	Power	Volt	Current	
___ 1	Electric Heat Pump	None/Single		HSPF2: 7.70	36.0		0.00	0.00	0.00	sys#1 1

COOLING SYSTEM

✓ #	System Type	Subtype/Speed	AHRI #	Efficiency	Capacity kBtu/hr	Air Flow cfm	SHR	Duct	Block
___ 1	Central Unit	None/Single		SEER2: 14.3	36.0	1200	0.75	sys#1	1

INPUT SUMMARY CHECKLIST REPORT

HOT WATER SYSTEM													
✓ #	System Type	Subtype	Location	EF(UEF)	Cap	Use	SetPnt	Fixt. Flow	Trap	Pipe Ins.	Pipe length		
___ 1	Electric	None	Main	0.96 (0.93)	40.0 gal	60 gal	120 deg	Standard	Yes	None	99		
Recirculation System		Recirc Control Type	Loop length	Branch length	Pump power	DWHR	Facilities Connected	Equal Flow	DWHR Eff	Other Credits			
___ 1	No		NA	NA	NA	No	NA	NA	NA	None			

DUCTS													
✓ #	Duct Location	Supply R-Value	Supply Area	Return Location	Return R-Value	Return Area	Leakage Type	AHU Location	CFM 25 TOT OUT	QN OUT	AHU SEALED	RLF	HVAC # Heat Cool
___ 1	Attic	8.0	333 ft²	Attic	6.0	83 ft²	Prop. Leak Free	Main	--- ---	0.030	Yes	0.50	1 1

TEMPERATURES														
Programable Thermostat: Y						Ceiling Fans: N								
Cooling	<input type="checkbox"/> Jan	<input type="checkbox"/> Feb	<input type="checkbox"/> Mar	<input type="checkbox"/> Apr	<input type="checkbox"/> May	<input checked="" type="checkbox"/> Jun	<input checked="" type="checkbox"/> Jul	<input checked="" type="checkbox"/> Aug	<input checked="" type="checkbox"/> Sep	<input type="checkbox"/> Oct	<input type="checkbox"/> Nov	<input type="checkbox"/> Dec		
Heating	<input checked="" type="checkbox"/> Jan	<input checked="" type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input type="checkbox"/> Apr	<input type="checkbox"/> May	<input type="checkbox"/> Jun	<input type="checkbox"/> Jul	<input type="checkbox"/> Aug	<input type="checkbox"/> Sep	<input type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input checked="" type="checkbox"/> Dec		
Venting	<input type="checkbox"/> Jan	<input type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input checked="" type="checkbox"/> Apr	<input type="checkbox"/> May	<input type="checkbox"/> Jun	<input type="checkbox"/> Jul	<input type="checkbox"/> Aug	<input type="checkbox"/> Sep	<input checked="" type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input type="checkbox"/> Dec		
Thermostat Schedule: HERS 2006 Reference	Hours													
Schedule Type		1	2	3	4	5	6	7	8	9	10	11	12	
___ Cooling (WD)	AM	78	78	78	78	78	78	78	78	78	80	80	80	80
	PM	80	80	78	78	78	78	78	78	78	78	78	78	78
___ Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78	78
___ Heating (WD)	AM	66	66	66	66	66	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	66	66
___ Heating (WEH)	AM	66	66	66	66	66	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	66	66

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 90

The lower the EnergyPerformance Index, the more efficient the home.

Lona Loop, Lake City, FL,

<p>1. New construction or existing 2. Single family or multiple family 3. Number of units, if multiple family 4. Number of Bedrooms 5. Is this a worst case? 6. Conditioned floor area above grade (ft²) Conditioned floor area below grade (ft²) 7. Windows**</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 20%;"></td> <td style="width: 20%;">Description</td> <td style="width: 20%;">Area</td> <td style="width: 40%;"></td> </tr> <tr> <td>a. U-Factor:</td> <td>Dbl, U=0.35</td> <td>208.00 ft²</td> <td></td> </tr> <tr> <td>SHGC:</td> <td>SHGC=0.29</td> <td></td> <td></td> </tr> <tr> <td>b. U-Factor:</td> <td>N/A</td> <td>ft²</td> <td></td> </tr> <tr> <td>SHGC:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>c. 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I certify that this home has complied with the Florida Energy Efficiency Code for Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: _____ Date: _____

Address of New Home: Lona Loop City/FL Zip: Lake City, FL,



*Note: This is not a Building Energy Rating. If your Index is below 70, your home may qualify for energy efficient mortgage (EEM) incentives if you obtain a Florida Energy Rating. For information about the Florida Building Code, Energy Conservation, contact the Florida Building Commission's support staff.

**Label required by Section R303.1.3 of the Florida Building Code, Energy Conservation, if not DEFAULT.