

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Little Residence - Holly Glen Street: City, State, Zip: , FL, Owner: Design Location: FL, Gainesville	Builder Name: Permit Office: Permit Number: Jurisdiction: County: Columbia(Florida Climate Zone 2)																																																																																																																																													
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Glass/Floor Area: 0.082 Total Proposed Modified Loads: 39.72
 Total Baseline Loads: 43.07

PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY: _____ DATE: 3-16-23 _____ I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. OWNER/AGENT: Don Little _____ DATE: 4.19.23 _____	Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes. BUILDING OFFICIAL: _____ DATE: _____
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- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.3.2.1.
- Compliance with a proposed duct leakage Qn requires a PERFORMANCE Duct Leakage Test Report confirming duct leakage to outdoors, tested in accordance with ANSI/RESNET/ICC 380, is not greater than 0.030 Qn for whole house.
- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires a PERFORMANCE envelope leakage test report with envelope leakage no greater than 5.00 ACH50 (R402.4.1.2).

INPUT SUMMARY CHECKLIST REPORT**PROJECT**

Title:	Little Residence - Holly Glen	Address type:	Street Address		
Building Type:	User	Bedrooms:	3	Lot #:	---
Owner:		Conditioned Area:	1400	Block/SubDivision:	---
		Total Stories:	1	PlatBook:	---
Builder Name:		Worst Case:	No	Street:	
Permit Office:		Rotate Angle:	0	County:	Columbia
Jurisdiction:		Cross Ventilation:		City, State, Zip:	, FL,
Family Type:	Detached	Whole House Fan:			
New/Existing:	New (From Plans)	Terrain:	Rural		
Year Construct:	2023	Shielding:	Moderate/Rural		
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, Gainesville	FL_GAINESVILLE_REGIONA	32	92		70	75	1305.5	51		Medium

BLOCKS

<input checked="" type="checkbox"/> Number	Name	Area	Volume
___ 1	Block1	1400	12600 cu ft

SPACES

<input checked="" type="checkbox"/> Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Finished	Cooled	Heated
___ 1	Main	1400	12600	Yes	3	3	Yes	Yes	Yes

FLOORS

(Total Exposed Area = 1400 sq.ft.)

<input checked="" type="checkbox"/> #	Floor Type	Space	Exposed Perim	Perimeter R-Value	Area	U-Factor	Joist R-Value	Tile	Wood	Carpet
___ 1	Slab-On-Grade Edge Ins	Main	155	0	1400 ft	0.563	---	0.20	0.60	0.20

ROOF

<input checked="" type="checkbox"/> #	Type	Materials	Roof Area	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
___ 1	Gable or shed	Composition shingles	1565 ft ²	350 ft ²	Dark	N	0.92	No	0.9	No	0	26.57

ATTIC

<input checked="" type="checkbox"/> #	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
___ 1	Full attic	Vented	300	1400 ft ²	N	N

CEILING

(Total Exposed Area = 1400 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	30.0	Blown	1400.0ft ²	0.053	0.11	Wood

INPUT SUMMARY CHECKLIST REPORT

WALLS														(Total Exposed Area = 1395 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	19.0	33.0	2	9.0	0	298.5	0.071		0.23	0.75	0 %	
___ 2	E	Exterior	Frame - Wood	Main	19.0	32.0	4	9.0	0	291.0	0.071		0.23	0.75	0 %	
___ 3	S	Exterior	Frame - Wood	Main	19.0	45.0	2	9.0	0	406.5	0.071		0.23	0.75	0 %	
___ 4	W	Exterior	Frame - Wood	Main	19.0	27.0	4	9.0	0	246.0	0.071		0.23	0.75	0 %	
___ 5	N	Exterior	Frame - Wood	Main	19.0	12.0	0	9.0	0	108.0	0.071		0.23	0.75	0 %	
___ 6	W	Exterior	Frame - Wood	Main	19.0	5.0	0	9.0	0	45.0	0.071		0.23	0.75	0 %	

DOORS												(Total Exposed Area = 73 sq.ft.)		
✓ #	Ornt	Adjacent To	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area			
___ 1	S	Exterior	Insulated	Main	None	0.40	3.00	0	6.00	8	20.0ft²			
___ 2	W	Exterior	Insulated	Main	None	0.40	5.00	0	6.00	8	33.3ft²			
___ 3	W	Exterior	Insulated	Main	None	0.40	3.00	0	6.00	8	20.0ft²			

WINDOWS																(Total Exposed Area = 115 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	Low-E Double	Y 0.26	0.20	N	N	9.0	1	3.00	3.00	1.5	2.3	None	None		
___ 2	N	1	Vinyl	Low-E Double	Y 0.26	0.20	N	N	30.0	2	3.00	5.00	1.5	2.3	None	None		
___ 3	E	2	Vinyl	Low-E Double	Y 0.26	0.20	N	N	16.0	1	4.00	4.00	1.5	2.3	None	None		
___ 4	S	3	Vinyl	Low-E Double	Y 0.26	0.20	N	N	60.0	4	3.00	5.00	1.5	2.3	None	None		

INFILTRATION										
✓ #	Scope	Method	SLA	CFM50	ELA	EqLA	ACH	ACH50	Space(s)	Infiltration Test Volume
___ 1	Wholehouse	Proposed ACH(50)	0.00029	1050	57.61	108.15	0.1027	5.0	All	12600 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---- Entry Power Volt	Current	Ducts	Block
___ 1	Electric Heat Pump	None/Single		HSPF: 8.50	30.0	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		SEER:14.0	30.0	900	0.85	sys#1	1

INPUT SUMMARY CHECKLIST REPORT

HOT WATER SYSTEM

√ #	System Type	Subtype	Location	EF(UEF)	Cap	Use	SetPnt	Fixture Flow	Pipe Ins.	Pipe length
___ 1	Electric	None	Main	0.92 (0.92)	50.00 gal	60 gal	120 deg	Standard	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 #	-----Supply----- Location	R-Value	Area	-----Return----- Location	R-Value	Area	Leakage Type	Air Handler	CFM 25 TOT	CFM 25 OUT	QN	RLF	HVAC # Heat Cool
___ 1	Attic	6.0	280 ft²	Attic	6.0	70 ft²	Prop. Leak Free	Main	---	---	0.03	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													
Schedule Type		1	2	3	4	5	6	Hours 7	8	9	10	11	12	
___ Cooling (WD)	AM PM	78 80	78 80	78 80	78 80	78 80	78 80	78 80	78 80	78 80	78 80	78 80	78 80	
___ Cooling (WEH)	AM PM	78 80	78 80	78 80	78 80	78 80	78 80	78 80	78 80	78 80	78 80	78 80	78 80	
___ Heating (WD)	AM PM	65 68	65 68	65 68	65 68	65 68	65 68	65 68	65 68	68 68	68 68	68 68	68 68	
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ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 92

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

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7. Windows**	Description	Area		
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SHGC:	SHGC=0.20			
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			a. Electric Heat Pump	30.0 HSPF:8.50
			16. Hot Water Systems	
			a. Electric	Cap: 50 gallons
				EF: 0.920
			b. Conservation features	
				None
			17. Credits	CF, Pstat

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: Don Little Date: 4.19.23

Address of New Home: _____ City/FL Zip: ,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.