

**FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION**

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: J-11474 - C-1309 Street: City, State, Zip: Columbia County, FL, Owner: JOHNSON/LAMNECK RESIDENCE Design Location: FL, Gainesville		Builder Name: Permit Office: Permit Number: Jurisdiction: County: Columbia(Florida Climate Zone 2)	
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Glass/Floor Area: 0.091	Total Proposed Modified Loads: 40.28	<b>PASS</b>
	Total Baseline Loads: 44.78	

NOTE: Proposed residence must have annual total normalized Modified Loads that are less than or equal to 95 percent of the annual total loads of the standard reference design in order to comply

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.  PREPARED BY: <u>LaNiika Stewart</u> DATE: <u>1/7/25</u>  I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. OWNER/AGENT: _____ DATE: _____	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 6.00 ACH50 (R402.4.1.2).

## INPUT SUMMARY CHECKLIST REPORT

DOORS												(Total Exposed Area = 20 sq.ft.)			
✓ #	Ornt	Adjacent To	Door Type	Space	Storms	U-Value	Width Ft In	Height Ft In	Area						
1	S(Front)		Wood	Great Room	None	0.39	3 00 0	6 00 8	20.0ft²						

WINDOWS												(Total Exposed Area = 170 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	Metal	Low-E Double	Y	0.35	0.25	N	N	20.0	1	3 00	6 67	1 0 1 0	Drapes/blinds	None
2	W	4	Metal	Low-E Double	Y	0.35	0.25	N	N	16 0	1	4 00	4 00	1 0 1 0	Drapes/blinds	None
3	N	5	Metal	Low-E Double	Y	0.35	0.25	N	N	9 0	1	3 00	3 00	1 0 1 0	Drapes/blinds	None
4	N	5	Metal	Low-E Double	Y	0.35	0.25	N	N	20.1	1	3 00	6 67	1 0 1 0	Drapes/blinds	None
5	N	6	Metal	Low-E Double	Y	0.35	0.25	N	N	15.0	1	3 00	5 00	1 0 1 0	Drapes/blinds	None
6	E	10	Metal	Low-E Double	Y	0.35	0.25	N	N	15 0	1	3 00	5 00	1 0 1 0	Drapes/blinds	None
7	S	11	Metal	Low-E Double	Y	0.35	0.25	N	N	15 0	1	3 00	5 00	1 0 1 0	Drapes/blinds	None
8	S	12	Metal	Low-E Double	Y	0.35	0.25	N	N	30.0	2	3 00	5 00	1 0 1 0	Drapes/blinds	None
9	S	13	Metal	Low-E Double	Y	0.35	0.25	N	N	15 0	1	3 00	5 00	1 0 1 0	Drapes/blinds	None
10W		14	Metal	Low-E Double	Y	0.35	0.25	N	N	15 0	1	3 00	5 00	1 0 1 0	Drapes/blinds	None

INFILTRATION											
✓ #	Scope	Method	SLA	CFM50	ELA	EqLA	ACH	ACH50	Space(s)	Infiltration Test Volume	
1	Wholehouse	Proposed ACH(50)	0 00037	1838	100 82	189 27	0 1276	6 0	All	18376 cu ft	

MASS					
✓ #	Mass Type	Area	Thickness	Furniture Fraction	Space
1	Default(8 lbs/sq ft.)	0 ft²	0 ft	0.30	Utility Room
2	Default(8 lbs/sq ft.)	0 ft²	0 ft	0.30	M WC
3	Default(8 lbs/sq ft.)	0 ft²	0 ft	0.30	M Bath
4	Default(8 lbs/sq ft.)	0 ft²	0 ft	0.30	M WIC
5	Default(8 lbs/sq ft.)	0 ft²	0 ft	0.30	Kitchen
6	Default(8 lbs/sq ft.)	0 ft²	0 ft	0.30	Bed 3
7	Default(8 lbs/sq ft.)	0 ft²	0 ft	0.30	Bath 2
8	Default(8 lbs/sq ft.)	0 ft²	0 ft	0.30	Bath 2 WC
9	Default(8 lbs/sq ft.)	0 ft²	0 ft	0.30	Hall
10	Default(8 lbs/sq ft.)	0 ft²	0 ft	0.30	AC
11	Default(8 lbs/sq ft.)	0 ft²	0 ft	0.30	Bed 2
12	Default(8 lbs/sq ft.)	0 ft²	0 ft	0.30	Great Room
13	Default(8 lbs/sq ft.)	0 ft²	0 ft	0.30	Master Bed
14	Default(8 lbs/sq ft.)	0 ft²	0 ft	0.30	Pantry

HEATING SYSTEM										
✓ #	System Type	Subtype/Speed	AHRI #	Efficiency	Capacity kBtu/hr	---Geothermal HeatPump---			Ducts	Block
						Entry	Power	Volt	Current	
1	Electric Heat Pump	Split/Single		HSPF2 7 50	32 8		0 00	0 00	0 00	sys#1 1

**INPUT SUMMARY CHECKLIST REPORT****COOLING SYSTEM**

✓ #	System Type	Subtype/Speed	AHRI #	Efficiency	Capacity kBtu/hr	Air Flow cfm	SHR	Duct	Block
___ 1	Central Unit	Split/Single		SEER2:14.0	32.8	0	0.80	sys#1	1

**HOT WATER SYSTEM**

✓ #	System Type	Subtype	Location	EF(UEF)	Cap	Use	SetPnt	Fixture Flow	Pipe Ins	Pipe length
___ 1	Electric	None	AC	0.95 (0.93)	40.00 gal	61 gal	120 deg	Standard	=>R-3	97
	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 OUT	RLF	HVAC # Heat Cool
___ 1 Attic	6.0 374 ft² Attic	6.0 94 ft²	Prop Leak Free	AC	---	---	0.030	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 PM	78 80	78 80	78 78	78 78	78 78	78 78	78 78	78 78	80 78	80 78	80 78	80 78	
___ Cooling (WEH)	AM PM	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	
___ Heating (WD)	AM PM	66 68	66 68	66 68	66 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	68 66	
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# ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

## ESTIMATED ENERGY PERFORMANCE INDEX\* = 90

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

,Columbia County,FL,

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3. Number of units, if multiple family	1	b. N/A		
4. Number of Bedrooms	0	c. N/A		
5. Is this a worst case?	No	d. N/A		
6 Conditioned floor area above grade (ft <sup>2</sup> )	1872	11. Ceiling Types(1872.0 sqft.)	Insulation	Area
Conditioned floor area below grade (ft <sup>2</sup> )	0	a. Flat ceiling under att (Vented)	R=38.0	1872.00 ft <sup>2</sup>
7. Windows**	Description	b. N/A		
a. U-Factor:	Dbl, U=0.35	c. N/A		
SHGC:	SHGC=0.25	12. Roof(Comp Shingles, Vented)	Deck R=0.0	2234 ft <sup>2</sup>
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c. U-Factor:	N/A	b.		
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a. Slab-On-Grade Edge Insulation	R= 0.0	a. Electric	Cap: 40 gallons	
b. N/A	R=		EF: 0.950	
c. N/A	R=	b. Conservation features		
		17. Credits	None	
			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: \_\_\_\_\_ Date: \_\_\_\_\_

Address of New Home: \_\_\_\_\_ City/FL Zip: Columbia County,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.