

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 94

The lower the EnergyPerformance Index, the more efficient the home

251 SW Fennigan Way,Lake City,FL,32025

<p>1 New construction or existing New (From Plans)</p> <p>2 Single family or multiple family Detached</p> <p>3 Number of units, if multiple family 1</p> <p>4 Number of Bedrooms 3</p> <p>5 Is this a worst case? No</p> <p>6 Conditioned floor area above grade (ft²) 2302 Conditioned floor area below grade (ft²) 0</p> <p>7 Windows**</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 15%;">a U-Factor</td> <td style="width: 25%;">Description Dbl, U=0.33</td> <td style="width: 15%;">Area</td> <td style="width: 45%;"></td> </tr> <tr> <td></td> <td>SHGC SHGC=0.31</td> <td>354.25 ft²</td> <td></td> </tr> <tr> <td>b U-Factor</td> <td>N/A</td> <td>ft²</td> <td></td> </tr> <tr> <td></td> <td>SHGC</td> <td></td> <td></td> </tr> <tr> <td>c U-Factor</td> <td>N/A</td> <td>ft²</td> <td></td> </tr> <tr> <td></td> <td>SHGC</td> <td></td> <td></td> </tr> </table> <p>Area Weighted Average Overhang Depth 6.535 ft Area Weighted Average SHGC 0.310</p> <p>8 Skylights</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 15%;">U-Factor (AVG)</td> <td style="width: 25%;">Description N/A</td> <td style="width: 15%;">Area</td> <td style="width: 45%;"></td> </tr> <tr> <td></td> <td>SHGC(AVG) N/A</td> <td>N/A ft²</td> <td></td> </tr> </table> <p>9 Floor Types</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 15%;">a Slab-On-Grade Edge Insulation</td> <td style="width: 15%;">Insulation R= 0.0</td> <td style="width: 15%;">Area</td> <td style="width: 55%;"></td> </tr> <tr> <td></td> <td></td> <td>2302.00 ft²</td> <td></td> </tr> <tr> <td>b N/A</td> <td>R=</td> <td>ft²</td> <td></td> </tr> <tr> <td>c N/A</td> <td>R=</td> <td>ft²</td> <td></td> </tr> </table>	a U-Factor	Description Dbl, U=0.33	Area			SHGC SHGC=0.31	354.25 ft ²		b U-Factor	N/A	ft ²			SHGC			c U-Factor	N/A	ft ²			SHGC			U-Factor (AVG)	Description N/A	Area			SHGC(AVG) N/A	N/A ft ²		a Slab-On-Grade Edge Insulation	Insulation R= 0.0	Area				2302.00 ft ²		b N/A	R=	ft ²		c N/A	R=	ft ²		<p>10 Wall Types(2242.9 sqft.)</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 15%;">a Frame - Wood, Exterior</td> <td style="width: 15%;">Insulation</td> <td style="width: 15%;">Area</td> <td style="width: 55%;"></td> </tr> <tr> <td></td> <td>R=13.0</td> <td>1481.70 ft²</td> <td></td> </tr> <tr> <td>b Frame - Wood, Exterior</td> <td>R=19.0</td> <td>390.00 ft²</td> <td></td> </tr> <tr> <td>c Frame - Wood, Adjacent</td> <td>R=13.0</td> <td>371.25 ft²</td> <td></td> </tr> <tr> <td>d N/A</td> <td></td> <td></td> <td></td> </tr> </table> <p>11 Ceiling Types(2302.0 sqft.)</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 15%;">a Flat ceiling under att (Vented)</td> <td style="width: 15%;">Insulation</td> <td style="width: 15%;">Area</td> <td style="width: 55%;"></td> </tr> <tr> <td></td> <td>R=38.0</td> <td>2302.00 ft²</td> <td></td> </tr> <tr> <td>b N/A</td> <td></td> <td></td> <td></td> </tr> <tr> <td>c N/A</td> <td></td> <td></td> <td></td> </tr> </table> <p>12 Roof(Comp Shingles, Vented) Deck R=0.0 2665 ft²</p> <p>13 Ducts, location & insulation level R ft²</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 15%;">a Sup Attic, Ret. Attic, AH Garage</td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 55%;"></td> </tr> <tr> <td></td> <td></td> <td>6.460</td> <td></td> </tr> <tr> <td>b</td> <td></td> <td></td> <td></td> </tr> <tr> <td>c</td> <td></td> <td></td> <td></td> </tr> </table> <p>14 Cooling Systems kBtu/hr Efficiency</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 15%;">a Central Unit</td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 55%;"></td> </tr> <tr> <td></td> <td>45.0</td> <td>SEER2.15</td> <td>00</td> </tr> </table> <p>15 Heating Systems kBtu/hr Efficiency</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 15%;">a Electric Heat Pump</td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 55%;"></td> </tr> <tr> <td></td> <td>46.0</td> <td>HSPF2.7</td> <td>80</td> </tr> </table> <p>16 Hot Water Systems</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 15%;">a Electric</td> <td style="width: 15%;"></td> <td style="width: 15%;">Cap</td> <td style="width: 55%;">50 gallons</td> </tr> <tr> <td></td> <td></td> <td>EF</td> <td>0.950</td> </tr> <tr> <td>b Conservation features</td> <td></td> <td></td> <td>None</td> </tr> <tr> <td></td> <td></td> <td></td> <td>CF</td> </tr> </table> <p>17 Credits</p>	a Frame - Wood, Exterior	Insulation	Area			R=13.0	1481.70 ft ²		b Frame - Wood, Exterior	R=19.0	390.00 ft ²		c Frame - Wood, Adjacent	R=13.0	371.25 ft ²		d N/A				a Flat ceiling under att (Vented)	Insulation	Area			R=38.0	2302.00 ft ²		b N/A				c N/A				a Sup Attic, Ret. Attic, AH Garage						6.460		b				c				a Central Unit					45.0	SEER2.15	00	a Electric Heat Pump					46.0	HSPF2.7	80	a Electric		Cap	50 gallons			EF	0.950	b Conservation features			None				CF
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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 251 SW Fennigan Way City/FL Zip Lake City,FL,32025

*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.

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
- N/A** 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)

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

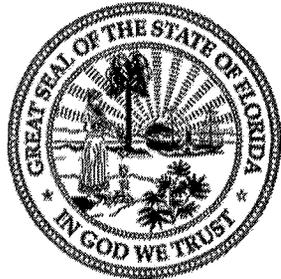
Project Name	251 SW Fennigan Way	Builder Name	
Street	251 SW Fennigan Way	Permit Office	Lake City
City, State, Zip	Lake City, FL, 32025	Permit Number	
Owner	Charles Smith	Jurisdiction	221200
Design Location	FL, Jacksonville	County	Columbia(Florida Climate Zone 2)

1	New construction or existing		New (From Plans)
2	Single family or multiple family		Detached
3	Number of units, if multiple family		1
4	Number of Bedrooms		3
5	Is this a worst case?		No
6	Conditioned floor area above grade (ft ²)		2302
	Conditioned floor area below grade (ft ²)		0
7	Windows(354.3 sqft.)	Description	Area
a	U-Factor	DbI, U=0.33	354.25 ft ²
	SHGC	SHGC=0.31	
b	U-Factor	N/A	ft ²
	SHGC		
c	U-Factor	N/A	ft ²
	SHGC		
	Area Weighted Average Overhang Depth		6.535 ft
	Area Weighted Average SHGC		0.310
8	Skylights	Description	Area
	U-Factor (AVG)	N/A	N/A ft ²
	SHGC(AVG)	N/A	
9	Floor Types	Insulation	Area
a	Slab-On-Grade Edge Insulation	R= 0.0	2302.00 ft ²
b	N/A	R=	ft ²
c	N/A	R=	ft ²
10	Wall Types(2242.9 sqft.)	Insulation	Area
a	Frame - Wood, Exterior	R=13.0	1481.70 ft ²
b	Frame - Wood, Exterior	R=19.0	390.00 ft ²
c	Frame - Wood, Adjacent	R=13.0	371.25 ft ²
d	N/A		
11	Ceiling Types(2302.0 sqft.)	Insulation	Area
a	Flat ceiling under att (Vented)	R=38.0	2302.00 ft ²
b	N/A		
c	N/A		
12	Roof(Comp Shingles, Vented) Deck	R=0.0	2665 ft ²
13	Ducts, location & insulation level	R	ft ²
a	Sup Attic, Ref. Attic, AH Garage		6.460
b			
c			
14	Cooling Systems	kBtu/hr	Efficiency
a	Central Unit	45.0	SEER2.15.00
15	Heating Systems	kBtu/hr	Efficiency
a	Electric Heat Pump	46.0	HSPF2.7.80
16	Hot Water Systems		
a	Electric	Cap	50 gallons
		EF	0.950
b	Conservation features		None
17	Credits		CF

Glass/Floor Area	0.154	Total Proposed Modified Loads	55.34
		Total Baseline Loads	58.82

PASS

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.

<p>I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code</p> <p>PREPARED BY <u>Misty Miller</u></p> <p>DATE <u>11/25/2025</u></p> <p>I hereby certify that this building, as designed, is in compliance with the Florida Energy Code</p> <p>OWNER/AGENT _____</p> <p>DATE _____</p>	<p>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</p>  <p>BUILDING OFFICIAL _____</p> <p>DATE _____</p>
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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.
- Default duct leakage does not require a Duct Leakage Test Report.
- 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).

Misty Miller
 Certified Energy Rater #1493

INPUT SUMMARY CHECKLIST REPORT

PROJECT					
Title	251 SW Fennigan Way	Bedrooms	3	Address type	Street Address
Building Type	User	Conditioned Area	2302	Lot #:	---
Owner	Charles Smith	Total Stories	1	Block/SubDivision	---
Builder Home ID		Worst Case	No	PlatBook	---
Builder Name		Rotate Angle	0	Street.	251 SW Fennigan Way
Permit Office	Lake City	Cross Ventilation		County	Columbia
Jurisdiction	221200	Whole House Fan		City, State, Zip	Lake City, FL, 32025
Family Type	Detached	Terrain	Suburban		
New/Existing	New (From Plans)	Shielding	Suburban		
Year Construct	2025				
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, Jacksonville	FL_JACKSONVILLE_INTL_A	32	93	70	75	1281	49	Medium		

BLOCKS			
<input checked="" type="checkbox"/> Number	Name	Area	Volume
___ 1	Block1	2302	21564 cu ft

SPACES									
<input checked="" type="checkbox"/> Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Finished	Cooled	Heated
___ 1	Foyer	73	730	No			Yes	Yes	Yes
___ 2	Family Room	457	4570	No	0	0	Yes	Yes	Yes
___ 3	Nook and Kitchen	316	3160	Yes	0	0	Yes	Yes	Yes
___ 4	Laundry Mud and Powder	168	1512	No	0	0	Yes	Yes	Yes
___ 5	Pantry	30	270	No	0	0	Yes	Yes	Yes
___ 6	Bedroom 2	191	1719	No	1	1	Yes	Yes	Yes
___ 7	Bathroom 2	114	1026	No	0	0	Yes	Yes	Yes
___ 8	Bedroom 3	222	1998	No	1	1	Yes	Yes	Yes
___ 9	Master Bedroom	282	2538	No	2	1	Yes	Yes	Yes
___ 10	Master Closet	131	1179	No	0	0	Yes	Yes	Yes
___ 11	Master Bathroom	181	1629	No	0	0	Yes	Yes	Yes
___ 12	Study and Hall	137	1233	No	0	0	Yes	Yes	Yes

FLOORS (Total Exposed Area = 2302 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	Foyer	5.67	73 sqft	0.0	0.473	0 (ft)/0 (ft)	0.00	1.00	0.00
___ 2	Slab-On-Grade Edge Ins	Family Room	18.33	457 sqft	0.0	0.304	0 (ft)/0 (ft)	0.00	0.00	1.00
___ 3	Slab-On-Grade Edge Ins	Nook and Kitchen	20.67	316 sqft	0.0	0.473	0 (ft)/0 (ft)	0.00	1.00	0.00
___ 4	Slab-On-Grade Edge Ins	Laundry Mud and Powd	24.25	168 sqft	0.0	0.473	0 (ft)/0 (ft)	0.00	1.00	0.00
___ 5	Slab-On-Grade Edge Ins	Pantry	13.83	30 sqft	0.0	0.473	0 (ft)/0 (ft)	0.00	1.00	0.00
___ 6	Slab-On-Grade Edge Ins	Bedroom 2	27.83	191 sqft	0.0	0.304	0 (ft)/0 (ft)	0.00	0.00	1.00
___ 7	Slab-On-Grade Edge Ins	Bathroom 2	24.33	114 sqft	0.0	0.710	0 (ft)/0 (ft)	1.00	0.00	0.00
___ 8	Slab-On-Grade Edge Ins	Bedroom 3	19.33	222 sqft	0.0	0.304	0 (ft)/0 (ft)	0.00	0.00	1.00
___ 9	Slab-On-Grade Edge Ins	Master Bedroom	41.17	282 sqft	0.0	0.304	0 (ft)/0 (ft)	0.00	0.00	1.00
___ 10	Slab-On-Grade Edge Ins	Master Closet	8.33	131 sqft	0.0	0.304	0 (ft)/0 (ft)	0.00	0.00	1.00
___ 11	Slab-On-Grade Edge Ins	Master Bathroom	30.17	181 sqft	0.0	0.710	0 (ft)/0 (ft)	1.00	0.00	0.00
___ 12	Slab-On-Grade Edge Ins	Study and Hall	10.33	137 sqft	0.0	0.304	0 (ft)/0 (ft)	0.00	0.00	1.00

INPUT SUMMARY CHECKLIST REPORT

ROOF													
✓ #	Type	Materials	Roof Area	Gable Area	Framing Fract	Roof Color	Rad Barr	Solar Absor	SA Tested	Emitt	Emitt Tested	Deck Insul	Pitch (deg)
___ 1	Hip	Composition shingles	2665 ft²	0 ft²	0 11	Medium	N	0 96	No	0 9	No	0	30 26

ATTIC						
✓ #	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
___ 1	Full attic	Vented	300	2302 ft²	N	N

CEILING (Total Exposed Area = 2302 sq.ft.)								
✓ #	Celling Type	Space	R-Value	Ins Type	Area	U-Factor	Framing Frac	Truss Type
___ 1	Flat ceiling under attic(Vented)	Foyer	38 0	Blown	73 0ft²	0 024	0 11	Wood
___ 2	Flat ceiling under attic(Vented)	Family Room	38 0	Blown	457 0ft²	0 024	0 11	Wood
___ 3	Flat ceiling under attic(Vented)	Nook and Kitchen	38 0	Blown	316 0ft²	0 024	0 11	Wood
___ 4	Flat ceiling under attic(Vented)	Laundry Mud and Po	38 0	Blown	168 0ft²	0 024	0 11	Wood
___ 5	Flat ceiling under attic(Vented)	Pantry	38 0	Blown	30 0ft²	0 024	0 11	Wood
___ 6	Flat ceiling under attic(Vented)	Bedroom 2	38 0	Blown	191 0ft²	0 024	0 11	Wood
___ 7	Flat ceiling under attic(Vented)	Bathroom 2	38 0	Blown	114 0ft²	0 024	0 11	Wood
___ 8	Flat ceiling under attic(Vented)	Bedroom 3	38 0	Blown	222 0ft²	0 024	0 11	Wood
___ 9	Flat ceiling under attic(Vented)	Master Bedroom	38 0	Blown	282 0ft²	0 024	0 11	Wood
___ 10	Flat ceiling under attic(Vented)	Master Closet	38 0	Blown	131 0ft²	0 024	0 11	Wood
___ 11	Flat ceiling under attic(Vented)	Master Bathroom	38 0	Blown	181 0ft²	0 024	0 11	Wood
___ 12	Flat ceiling under attic(Vented)	Study and Hall	38 0	Blown	137 0ft²	0 024	0 11	Wood

WALLS (Total Exposed Area = 2243 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	W	Exterior	Frame - Wood	Foyer	13 0	5 0 8	10 0 0	56 7	0 084		0 23	0 01	0 0 %
___ 2	E	Exterior	Frame - Wood	Family Room	19 0	18 0 4	10 0 0	183 3	0 061		0 23	0 01	0 0 %
___ 3	S	Exterior	Frame - Wood	Nook and Kitchen	19 0	7 0 6	10 0 0	75 0	0 061		0 23	0 01	0 0 %
___ 4	E	Exterior	Frame - Wood	Nook and Kitchen	19 0	13 0 2	10 0 0	131 7	0 061		0 23	0 01	0 0 %
___ 5	W	Exterior	Frame - Wood	Laundry Mud and Po	13 0	12 0 4	9 0 0	111 0	0 084		0 23	0 01	0 0 %
___ 6	N	Garage	Frame - Wood	Laundry Mud and Po	13 0	8 0 3	9 0 0	74 3	0 084		0 23	0 01	0 0 %
___ 7	W	Garage	Frame - Wood	Laundry Mud and Po	13 0	3 0 8	9 0 0	33 0	0 084		0 23	0 01	0 0 %
___ 8	W	Garage	Frame - Wood	Pantry	13 0	5 0 10	9 0 0	52 5	0 084		0 23	0 01	0 0 %
___ 9	N	Garage	Frame - Wood	Pantry	13 0	8 0 0	9 0 0	72 0	0 084		0 23	0 01	0 0 %
___ 10	W	Garage	Frame - Wood	Bedroom 2	13 0	15 0 6	9 0 0	139 5	0 084		0 23	0 01	0 0 %
___ 11	N	Exterior	Frame - Wood	Bedroom 2	13 0	12 0 4	9 0 0	111 0	0 084		0 23	0 01	0 0 %
___ 12	N	Exterior	Frame - Wood	Bathroom 2	13 0	18 0 0	9 0 0	162 0	0 084		0 23	0 01	0 0 %
___ 13	E	Exterior	Frame - Wood	Bathroom 2	13 0	6 0 4	9 0 0	57 0	0 084		0 23	0 01	0 0 %
___ 14	E	Exterior	Frame - Wood	Bedroom 3	13 0	12 0 4	9 0 0	111 0	0 084		0 23	0 01	0 0 %
___ 15	S	Exterior	Frame - Wood	Bedroom 3	13 0	7 0 0	9 0 0	63 0	0 084		0 23	0 01	0 0 %
___ 16	N	Exterior	Frame - Wood	Master Bedroom	13 0	7 0 6	9 0 0	67 5	0 084		0 23	0 01	0 0 %
___ 17	E	Exterior	Frame - Wood	Master Bedroom	13 0	15 0 10	9 0 0	142 5	0 084		0 23	0 01	0 0 %
___ 18	S	Exterior	Frame - Wood	Master Bedroom	13 0	17 0 10	9 0 0	160 5	0 084		0 23	0 01	0 0 %
___ 19	S	Exterior	Frame - Wood	Master Bedroom	13 0	8 0 4	9 0 0	75 0	0 084		0 23	0 01	0 0 %
___ 20	S	Exterior	Frame - Wood	Master Bedroom	13 0	15 0 8	9 0 0	141 0	0 084		0 23	0 01	0 0 %
___ 21	W	Exterior	Frame - Wood	Master Bedroom	13 0	12 0 4	9 0 0	111 0	0 084		0 23	0 01	0 0 %
___ 22	N	Exterior	Frame - Wood	Master Bedroom	13 0	2 0 2	9 0 0	19 5	0 084		0 23	0 01	0 0 %
___ 23	W	Exterior	Frame - Wood	Study and Hall	13 0	10 0 4	9 0 0	93 0	0 084		0 23	0 01	0 0 %

INPUT SUMMARY CHECKLIST REPORT

DOORS											(Total Exposed Area = 36 sq.ft.)			
✓ #	Ornt	Adjacent To	Door Type	Space	Storms	U-Value	Width Ft In		Height Ft In		Area			
___ 1	W	Exterior	Wood	Foyer	None	0.46	3	00	0	4	00	12 0ft²		
___ 2	N	Garage	Wood	Laundry Mud and Powd	None	0.46	3	00	0	8	00	24 0ft²		

WINDOWS														(Total Exposed Area = 354 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	W	1	Vinyl	Low-E Double	Y 0.33	0.31	N	N	12.0	1	3.00	4.00	5.0	1.0	Drapes/blinds	None	
___ 2	W	1	Vinyl	Low-E Double	Y 0.33	0.31	N	N	4.0	1	1.00	4.00	5.0	1.0	Drapes/blinds	None	
___ 3	E	2	Vinyl	Low-E Double	Y 0.33	0.31	N	N	96.0	1	12.00	8.00	15.0	1.0	Drapes/blinds	None	
___ 4	E	4	Vinyl	Low-E Double	Y 0.33	0.31	N	N	45.0	3	3.00	5.00	7.0	1.0	Drapes/blinds	None	
___ 5	W	5	Vinyl	Low-E Double	Y 0.33	0.31	N	N	25.0	2	2.50	5.00	0.0	0.0	Drapes/blinds	None	
___ 6	N	11	Vinyl	Low-E Double	Y 0.33	0.31	N	N	16.5	1	3.00	5.50	0.0	0.0	Drapes/blinds	None	
___ 7	N	12	Vinyl	Low-E Double	Y 0.33	0.31	N	N	7.0	1	2.00	3.50	0.0	0.0	Drapes/blinds	None	
___ 8	E	13	Vinyl	Low-E Double	Y 0.33	0.31	N	N	7.0	1	2.00	3.50	0.0	0.0	Drapes/blinds	None	
___ 9	E	14	Vinyl	Low-E Double	Y 0.33	0.31	N	N	30.0	2	3.00	5.00	0.0	0.0	Drapes/blinds	None	
___ 10	N	16	Vinyl	Low-E Double	Y 0.33	0.31	N	N	24.0	1	3.00	8.00	20.0	1.0	Drapes/blinds	None	
___ 11	E	17	Vinyl	Low-E Double	Y 0.33	0.31	N	N	49.5	3	3.00	5.50	0.0	0.0	Drapes/blinds	None	
___ 12	S	20	Vinyl	Low-E Double	Y 0.33	0.31	N	N	7.0	1	2.00	3.50	0.0	0.0	Drapes/blinds	None	
___ 13	W	21	Vinyl	Low-E Double	Y 0.33	0.31	N	N	12.5	1	2.50	5.00	0.0	0.0	Drapes/blinds	None	
___ 14	W	21	Vinyl	Low-E Double	Y 0.33	0.31	N	N	6.3	1	2.50	2.50	0.0	0.0	Drapes/blinds	None	
___ 15	W	23	Vinyl	Low-E Double	Y 0.33	0.31	N	N	12.5	1	2.50	5.00	0.0	0.0	Drapes/blinds	None	

INFILTRATION										
✓ #	Scope	Method	SLA	CFM50	ELA	EqLA	ACH	ACH50	Space(s)	Infiltration Test Volume
___ 1	Wholehouse	Proposed ACH(50)	0.00036	2156	118.31	222.11	0.1252	6.0	All	21564 cu ft

GARAGE								
✓ #	Floor Area	Length	Width	Roof Area	Exposed Perimeter	Area Under Uncond	Avg Wall Height	Exposed Wall Insulation
___ 1	889 ft²	25.3 ft	35.1 ft	889 ft²	79 ft	889 ft	9 ft	1

MASS					
✓ #	Mass Type	Area	Thickness	Furniture Fraction	Space
___ 1	Default(8 lbs/sq ft)	0 ft²	0 ft	0.30	Foyer
___ 2	Default(8 lbs/sq ft)	0 ft²	0 ft	0.30	Family Room
___ 3	Default(8 lbs/sq ft)	0 ft²	0 ft	0.30	Nook and Kitchen
___ 4	Default(8 lbs/sq ft)	0 ft²	0 ft	0.30	Laundry Mud and Powder
___ 5	Default(8 lbs/sq ft)	0 ft²	0 ft	0.30	Pantry
___ 6	Default(8 lbs/sq ft)	0 ft²	0 ft	0.30	Bedroom 2
___ 7	Default(8 lbs/sq ft)	0 ft²	0 ft	0.30	Bathroom 2
___ 8	Default(8 lbs/sq ft)	0 ft²	0 ft	0.30	Bedroom 3
___ 9	Default(8 lbs/sq ft)	0 ft²	0 ft	0.30	Master Bedroom
___ 10	Default(8 lbs/sq ft)	0 ft²	0 ft	0.30	Master Closet
___ 11	Default(8 lbs/sq ft)	0 ft²	0 ft	0.30	Master Bathroom
___ 12	Default(8 lbs/sq ft)	0 ft²	0 ft	0.30	Study and Hall

INPUT SUMMARY CHECKLIST REPORT

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	217491822	HSPF2 7 80	46 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	Split/Single	217491822	SEER2 15 0	45 0	1600	0 75	sys#1	1

HOT WATER SYSTEM											
✓ #	System Type	Subtype	Location	EF(UEF)	Cap	Use	SetPnt	Fixt Flow	Trap	Pipe Ins	Pipe length
___ 1	Electric	None	Garage	0 95 (0 93)	50 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 #	-----Supply----- Location	R-Value	Area	-----Return----- Location	R-Value	Area	Leakage Type	AHU Location	CFM 25 TOT OUT	QN OUT	AHU SEALED	Hvac # Heat Cool
___ 1	Attic	6 0	460 ft²	Attic	6 0	115 ft²	Default Leakage	Garage	(Default)	(Default)		1 1

TEMPERATURES														
Programable Thermostat N						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	Schedule Type	HERS 2006 Reference												
		1	2	3	4	5	6	Hours					11	12
___	Cooling (WD)	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
___	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	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68
___	Heating (WEH)	AM PM	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68

Florida Building Code, Energy Conservation, 8th Edition (2023)

Mandatory Requirements for Residential Performance, Prescriptive and ERI Methods

ADDRESS 251 SW Fennigan Way
Lake City, FL 32025

Permit Number

MANDATORY REQUIREMENTS - See individual code sections for full details

SECTION R401 GENERAL

- R401.3 Energy Performance Level (EPL) display card - (Mandatory).** The building official shall require that an energy performance level (EPL) display card be completed and certified by the builder to be accurate and correct before final approval of the building for occupancy. Florida law (Section 553 9085, Florida Statutes) requires the EPL display card to be included as an addendum to each sales contract for both presold and nonpresold residential buildings. The EPL display card contains information indicating the energy performance level and efficiencies of components installed in a dwelling unit. The building official shall verify that the EPL display card completed and signed by the builder accurately reflects the plans and specifications submitted to demonstrate code compliance for the building. A copy of the EPL display card can be found in Appendix RD.

SECTION R402 BUILDING THERMAL ENVELOPE

- R402.2.10.1 Slab-on-grade floor insulation installation (Mandatory).** Where installed, the insulation shall extend downward from the top of the slab on the outside or inside of the foundation wall. Insulation located below grade shall be extended the distance provided in Table R402 1 2, or the distance of the proposed design as applicable, by any combination of vertical insulation, insulation extending under the slab or insulation extending out from the building. Insulation extending away from the building shall be protected by pavement or by not less than 10 inches (254 mm) of soil. The top edge of the insulation installed between the exterior wall and the edge of the interior slab shall be permitted to be cut at a 45-degree (0 79 rad) angle away from the exterior wall.
- R402.2.11.1 Crawl space walls insulation installation (Mandatory).** Where crawl space wall insulation is installed, it shall be permanently fastened to the wall and extend downward from the floor to the finished grade level and then vertically and/or horizontally for at least an additional 24 inches (610 mm). Exposed earth in unvented crawl space foundations shall be covered with a continuous Class I vapor retarder in accordance with the Florida Building Code, Building, or Florida Building Code, Residential, as applicable. All joints of the vapor retarder shall overlap by 6 inches (153 mm) and be sealed or taped. The edges of the vapor retarder shall extend not less than 6 inches (153 mm) up the stem wall and shall be attached to the stem wall.
- R402.4 Air leakage (Mandatory).** The building thermal envelope shall be constructed to limit air leakage in accordance with the requirements of Sections R402 4 1 through R402 4 5.
 - Exception:** Dwelling units of R-2 Occupancies and multiple attached single family dwellings shall be permitted to comply with Section C402 5.
- R402.4.1 Building thermal envelope.** The building thermal envelope shall comply with Sections R402 4 1 1 and R402.4 1 2. The sealing methods between dissimilar materials shall allow for differential expansion and contraction.
- R402.4.1.1 Installation.** The components of the building thermal envelope as listed in Table R402 4 1 1 shall be installed in accordance with the manufacturer's instructions and the criteria listed in Table R402 4 1 1, as applicable to the method of construction. Where required by the code official, an approved third party shall inspect all components and verify compliance.
- R402.4.1.2 Testing.** The building or dwelling unit shall be tested and verified as having an air leakage rate not exceeding seven air changes per hour in Climate Zones 1 and 2, and three air changes per hour in Climate Zones 3 through 8. Dwelling units with an air leakage rate less than three air changes per hour shall be provided with whole-house mechanical ventilation in accordance with Section R403 6 1 of this code and Section M1507 3 of the Florida Building Code, Residential. Testing shall be conducted in accordance with ANSI/RESNET/ICC 380 and reported at a pressure of 0 2 inch w g (50 pascals). Testing shall be conducted by either individuals as defined in Section 553 993(5) or (7), Florida Statutes, or individuals licensed as set forth in Section 489 105(3)(f), (g) or (i) or an approved third party. A written report of the results of the test shall be signed by the party conducting the test and provided to the code official. Testing shall be performed at any time after creation of all penetrations of the building thermal envelope.
 - Exception:** Testing is not required for additions, alterations, renovations, or repairs, of the building thermal envelope of existing buildings in which the new construction is less than 85 percent of the building thermal envelope.

During testing

- 1 Exterior windows and doors, fireplace and stove doors shall be closed, but not sealed, beyond the intended weatherstripping or other infiltration control measures.
- 2 Dampers including exhaust, intake, makeup air, backdraft and flue dampers shall be closed, but not sealed beyond intended infiltration control measures.
- 3 Interior doors, if installed at the time of the test, shall be open.
- 4 Exterior doors for continuous ventilation systems and heat recovery ventilators shall be closed and sealed.
- 5 Heating and cooling systems, if installed at the time of the test, shall be turned off.
- 6 Supply and return registers, if installed at the time of the test, shall be fully open.
- 7 If an attic is both air sealed and insulated at the roof deck, interior access doors and hatches between the conditioned space volume and the attic shall be opened during the test and the volume of the attic shall be added to the conditioned space volume for purposes of reporting an infiltration volume and calculating the air leakage of the home.

Florida Building Code, Energy Conservation, Mandatory Requirements (2023 Continued)

- R402.4.2 Fireplaces.** New wood-burning fireplaces shall have tight-fitting flue dampers or doors, and outdoor combustion air Where using tight-fitting doors on factory-built fireplaces listed and labeled in accordance with UL 127, the doors shall be tested and listed for the fireplace Where using tight-fitting doors on masonry fireplaces, the doors shall be listed and labeled in accordance with UL 907
- R402.4.3 Fenestration air leakage.** Windows, skylights and sliding glass doors shall have an air infiltration rate of no more than 0.3 cfm per square foot (1.5 L/s/m²), and swinging doors no more than 0.5 cfm per square foot (2.6 L/s/m²), when tested according to NFRC 400 or AAMA/WDMA/CSA 101/I S 2/A440 by an accredited, independent laboratory and listed and labeled by the manufacturer
Exception: Site-built windows, skylights and doors
- R402.4.4 Rooms containing fuel - burning appliances.** In Climate Zones 3 through 8, where open combustion air ducts provide combustion air to open combustion fuel burning appliances, the appliances and combustion air opening shall be located outside the building thermal envelope or enclosed in a room, isolated from inside the thermal envelope Such rooms shall be sealed and insulated in accordance with the envelope requirements of Table R402.1.2, where the walls, floors and ceilings shall meet not less than the basement wall R-value requirement The door into the room shall be fully gasketed and any water lines and ducts in the room insulated in accordance with Section R403 The combustion air duct shall be insulated where it passes through conditioned space to a minimum of R-8
Exceptions:
 - 1 Direct vent appliances with both intake and exhaust pipes installed continuous to the outside
 - 2 Fireplaces and stoves complying with Section R402.4.2 and Section R1006 of the Florida Building Code, Residential
- R402.4.5 Recessed lighting.** Recessed luminaires installed in the building thermal envelope shall be sealed to limit air leakage between conditioned and unconditioned spaces All recessed luminaires shall be IC-rated and labeled as having an air leakage rate not more than 2.0 cfm (0.944 L/s) when tested in accordance with ASTM E283 at a 1.57 psf (75 Pa) pressure differential All recessed luminaires shall be sealed with a gasket or caulk between the housing and the interior wall or ceiling covering
- R402.4.6 Air-sealed electrical and communication boxes.** Air-sealed electrical and communication boxes that penetrate the air barrier of the building thermal envelope shall be caulked, taped, gasketed, or otherwise sealed to the air barrier element being penetrated Air-sealed boxes shall be buried in or surrounded by insulation Air-sealed boxes shall be marked in accordance with NEMA OS 4 Air-sealed boxes shall be installed in accordance with the manufacturer's instructions

SECTION R403 SYSTEMS

- R403.1 Controls**
 - R403.1.1 Thermostat provision (Mandatory).** At least one thermostat shall be provided for each separate heating and cooling system
 - R403.1.3 Heat pump supplementary heat (Mandatory).** Heat pumps with supplementary electric-resistance heaters shall have controls that limit supplemental heat operation to only those times when one of the following applies
 - 1 The vapor compression cycle cannot provide the necessary heating energy to satisfy the thermostat setting
 - 2 The heat pump is operating in defrost mode
 - 3 The vapor compression cycle malfunctions
 - 4 The thermostat malfunctions
- R403.3.2 Sealing (Mandatory).** All ducts, air handlers, filter boxes and building cavities that form the primary air containment passageways for air distribution systems shall be considered ducts or plenum chambers, shall be constructed and sealed in accordance with Section C403.2.9.2 of the Commercial Provisions of this code and shall be shown to meet duct tightness criteria below

Duct tightness shall be verified by testing in accordance with ANSI/RESNET/ICC 380 by either individuals as defined in Section 553.993(5) or (7), Florida Statutes, or individuals licensed as set forth in Section 489.105(3)(f), (g) or (i), Florida Statutes, to be "substantially leak free" in accordance with Section R403.3.3
- R403.3.2.1 Sealed air handler.** Air handlers shall have a manufacturer's designation for an air leakage of no more than 2 percent of the design airflow rate when tested in accordance with ASHRAE 193
- R403.3.3 Duct testing (Mandatory).** Ducts shall be pressure tested to determine air leakage by one of the following methods
 - 1 Rough-in test Total leakage shall be measured with a pressure differential of 0.1 inch w g (25 Pa) across the system, including the manufacturer's air handler enclosure if installed at the time of the test All registers shall be taped or otherwise sealed during the test
 - 2 Postconstruction test Total leakage shall be measured with a pressure differential of 0.1 inch w g (25 Pa) across the entire system, including the manufacturer's air handler enclosure Registers shall be taped or otherwise sealed during the test**Exceptions;**
 - 1 A duct air leakage test shall not be required where the ducts and air handlers are located entirely within the building thermal envelope
 - 2 Duct testing is not mandatory for buildings complying by Section 405 of this code Duct leakage testing is required for Section R405 compliance where credit is taken for leakage, and a duct air leakage Q_n to the outside of less than 0.080 (where Q_n = duct leakage to the outside in cfm per 100 square feet of conditioned floor area tested at 25 Pascals) is indicated in the compliance report for the proposed design

A written report of the results of the test shall be signed by the party conducting the test and provided to the code official

Florida Building Code, Energy Conservation, Mandatory Requirements (2023 Continued)

- R403.3.5 Building cavities (Mandatory).** Building framing cavities shall not be used as ducts or plenums
- R403.4 Mechanical system piping insulation (Mandatory).** Mechanical system piping capable of carrying fluids above 105°F (41°C) or below 55°F (13°C) shall be insulated to a minimum of R-3
- R403.4.1 Protection of piping insulation.** Piping insulation exposed to weather shall be protected from damage, including that caused by sunlight, moisture, equipment maintenance and wind, and shall provide shielding from solar radiation that can cause degradation of the material. Adhesive tape shall not be permitted
- R403.5.1 Heated water circulation and temperature maintenance systems (Mandatory).** If heated water circulation systems are installed, they shall be in accordance with Section R403.5.1.1 Heat trace temperature maintenance systems shall be in accordance with Section R403.5.1.2 Automatic controls, temperature sensors and pumps shall be accessible. Manual controls shall be readily accessible
- R403.5.1.1 Circulation systems.** Heated water circulation systems shall be provided with a circulation pump. The system return pipe shall be a dedicated return pipe or a cold water supply pipe. Gravity and thermosiphon circulation systems shall be prohibited. Controls for circulating hot water system pumps shall start the pump based on the identification of a demand for hot water within the occupancy. The controls shall automatically turn off the pump when the water in the circulation loop is at the desired temperature and when there is no demand for hot water
- R403.5.1.2 Heat trace systems.** Electric heat trace systems shall comply with IEEE 515.1 or UL 515. Controls for such systems shall automatically adjust the energy input to the heat tracing to maintain the desired water temperature in the piping in accordance with the times when heated water is used in the occupancy
- R403.5.2 Demand recirculation water systems (Mandatory).** Where installed, demand recirculation water systems shall have controls that comply with both of the following
- 1 The control shall start the pump upon receiving a signal from the action of a user of a fixture or appliance, sensing the presence of a user of a fixture or sensing the flow of hot or tempered water to a fixture fitting or appliance
 - 2 The control shall limit the temperature of the water entering the cold water piping to 104°F (40°C)
- R403.5.5 Heat traps (Mandatory).** Storage water heaters not equipped with integral heat traps and having vertical pipe risers shall have heat traps installed on both the inlets and outlets. External heat traps shall consist of either a commercially available heat trap or a downward and upward bend of at least 3 ½ inches (89 mm) in the hot water distribution line and cold water line located as close as possible to the storage tank
- R403.5.6 Water heater efficiencies (Mandatory).**
- R403.5.6.1.1 Automatic controls.** Service water-heating systems shall be equipped with automatic temperature controls capable of adjustment from the lowest to the highest acceptable temperature settings for the intended use. The minimum temperature setting range shall be from 100°F to 140°F (38°C to 60°C)
- R403.5.6.1.2 Shut down.** A separate switch or a clearly marked circuit breaker shall be provided to permit the power supplied to electric service systems to be turned off. A separate valve shall be provided to permit the energy supplied to the main burner(s) of combustion types of service water-heating systems to be turned off
- R403.5.6.2 Water-heating equipment.** Water-heating equipment installed in residential units shall meet the minimum efficiencies of Table C404.2 in Chapter 4 of the Florida Building Code, Energy Conservation, Commercial Provisions, for the type of equipment installed. Equipment used to provide heating functions as part of a combination system shall satisfy all stated requirements for the appropriate water-heating category. Solar water heaters shall meet the criteria of Section R403.5.6.2.1
- R403.5.6.2.1 Solar water-heating systems.** Solar systems for domestic hot water production are rated by the annual solar energy factor of the system. The solar energy factor of a system shall be determined from the Florida Solar Energy Center Directory of Certified Solar Systems. Solar collectors shall be tested in accordance with ISO Standard 9806, Test Methods for Solar Collectors, and SRCC Standard TM-1, Solar Domestic Hot Water System and Component Test Protocol. Collectors in installed solar water-heating systems should meet the following criteria
- 1 Be installed with a tilt angle between 10 degrees and 40 degrees of the horizontal, and
 - 2 Be installed at an orientation within 45 degrees of true south
- R403.6 Mechanical ventilation (Mandatory).** The building shall be provided with ventilation that meets the requirements of the Florida Building Code, Residential, or Florida Building Code, Mechanical, as applicable, or with other approved means of ventilation including Natural, Infiltration or Mechanical means. Outdoor air intakes and exhausts shall have automatic or gravity dampers that close when the ventilation system is not operating

Florida Building Code, Energy Conservation, Mandatory Requirements (2023 Continued)

R403.6.1 Whole-house mechanical ventilation system fan efficacy. When installed to function as a whole-house mechanical ventilation system, fans shall meet the efficacy requirements of Table R403.6.1

Exception: Where an air handler that is integral to tested and listed HVAC equipment is used to provide whole-house mechanical ventilation, the air handler shall be powered by an electronically commutated motor

**TABLE R403.6.1
WHOLE-HOUSE MECHANICAL VENTILATION SYSTEM FAN EFFICACY**

FAN LOCATION	AIRFLOW RATE MINIMUM (CFM)	MINIMUM EFFICACY ^a (CFM/WATT)	AIRFLOW RATE MAXIMUM (CFM)
HRV or ERV	Any	1.2 cfm/watt	Any
Range hoods	Any	2.8 cfm/watt	Any
In-line fan	Any	3.8 cfm/watt	Any
Bathroom, utility room	10	2.8 cfm/watt	<90
Bathroom, utility room	90	3.5 cfm/watt	Any

For SI 1 cfm = 28.3 L/min

^a When tested in accordance with HVI Standard 916

R403.6.2 Ventilation Air. Residential buildings designed to be operated at a positive indoor pressure or for mechanical ventilation shall meet the following criteria

- 1 The design air change per hour minimums for residential buildings in ASHRAE 62.2, Ventilation for Acceptable Indoor Air Quality, shall be the maximum rates allowed for residential applications
- 2 No ventilation or air-conditioning system make-up air shall be provided to conditioned space from attics, crawlspaces, attached enclosed garages or outdoor spaces adjacent to swimming pools or spas
- 3 If ventilation air is drawn from enclosed space(s), then the walls of the space(s) from which air is drawn shall be insulated to a minimum of R-11 and the ceiling shall be insulated to a minimum of R-19, space permitting, or R-10 otherwise

R403.7 Heating and cooling equipment.

R403.7.1 Equipment sizing (Mandatory). Heating and cooling equipment shall be sized in accordance with ACCA Manual S based on the equipment loads calculated in accordance with ACCA Manual J or other approved heating and cooling calculation methodologies, based on building loads for the directional orientation of the building. The manufacturer and model number of the outdoor and indoor units (if split system) shall be submitted along with the sensible and total cooling capacities at the design conditions described in Section R302.1. This Code does not allow designer safety factors, provisions for future expansion or other factors that affect equipment sizing. System sizing calculations shall not include loads created by local intermittent mechanical ventilation such as standard kitchen and bathroom exhaust systems. New or replacement heating and cooling equipment shall have an efficiency rating equal to or greater than the minimum required by federal law for the geographic location where the equipment is installed.

Florida Building Code, Energy Conservation, Mandatory Requirements (2023 Continued)

- R403.7.1.1 Cooling equipment capacity.** Cooling only equipment shall be selected so that its total capacity is not less than the calculated total load but not more than 1 15 times greater than the total load calculated according to the procedure selected in Section R403 7, or the closest available size provided by the manufacturer's product lines The corresponding latent capacity of the equipment shall not be less than the calculated latent load
The published value for AHRI total capacity is a nominal, rating-test value and shall not be used for equipment sizing Manufacturer's expanded performance data shall be used to select cooling-only equipment This selection shall be based on the outdoor design dry-bulb temperature for the load calculation (or entering water temperature for water-source equipment), the blower CFM provided by the expanded performance data, the design value for entering wet-bulb temperature and the design value for entering dry-bulb temperature

Design values for entering wet-bulb and dry-bulb temperatures shall be for the indoor dry bulb and relative humidity used for the load calculation and shall be adjusted for return side gains if the return duct(s) is installed in an unconditioned space

Exceptions:

- 1 Attached single- and multiple-family residential equipment sizing may be selected so that its cooling capacity is less than the calculated total sensible load but not less than 80 percent of that load
- 2 When signed and sealed by a Florida-registered engineer, in attached single- and multiple-family units, the capacity of equipment may be sized in accordance with good design practice

R403.7.1.2 Heating equipment capacity.

- R403.7.1.2.1 Heat pumps.** Heat pump sizing shall be based on the cooling requirements as calculated according to Section R403 7 1 1, and the heat pump total cooling capacity shall not be more than 1 15 times greater than the design cooling load even if the design heating load is 1 15 times greater than the design cooling load
- R403.7.1.2.2 Electric resistance furnaces.** Electric resistance furnaces shall be sized within 4 kW of the design requirements calculated according to the procedure selected in Section R403 7 1
- R403.7.1.2.3 Fossil fuel heating equipment.** The capacity of fossil fuel heating equipment with natural draft atmospheric burners shall not be less than the design load calculated in accordance with Section R403 7 1
- R403.7.1.3 Extra capacity required for special occasions.** Residences requiring excess cooling or heating equipment capacity on an intermittent basis, such as anticipated additional loads caused by major entertainment events, shall have equipment sized or controlled to prevent continuous space cooling or heating within that space by one or more of the following options
 - 1 A separate cooling or heating system is utilized to provide cooling or heating to the major entertainment areas
 - 2 A variable capacity system sized for optimum performance during base load periods is utilized
- R403.8 Systems serving multiple dwelling units (Mandatory).** Systems serving multiple dwelling units shall comply with Sections C403 and C404 of the Florida Building Code, Energy Conservation—Commercial Provisions in lieu of Section R403
- R403.9 Snow melt and ice system controls (Mandatory).** Snow- and ice-melting systems, supplied through energy service to the building, shall include automatic controls capable of shutting off the system when the pavement temperature is above 50°F (10°C), and no precipitation is falling and an automatic or manual control that will allow shutoff when the outdoor temperature is above 40°F (4 8°C)
- 403.10 Pools and permanent spa energy consumption (Mandatory).** The energy consumption of pools and permanent spas shall be in accordance with Sections R403 10 1 through R403 10 5
- R403.10.1 Heaters.** The electric power to heaters shall be controlled by a readily accessible on-off switch that is an integral part of the heater mounted on the exterior of the heater, or external to and within 3 feet (914 mm) of the heater Operation of such switch shall not change the setting of the heater thermostat Such switches shall be in addition to a circuit breaker for the power to the heater
Gas-fired heaters shall not be equipped with continuously burning ignition pilots
- R403.10.2 Time switches.** Time switches or other control methods that can automatically turn off and on according to a preset schedule shall be installed for heaters and pump motors Heaters and pump motors that have built-in time switches shall be in compliance with this section

Exceptions:

- 1 Where public health standards require 24-hour pump operation
- 2 Pumps that operate solar- and waste-heat-recovery pool heating systems
- 3 Where pumps are powered exclusively from on-site renewable generation

Florida Building Code, Energy Conservation, Mandatory Requirements (2023 Continued)

- R403.10.3 Covers.** Outdoor heated swimming pools and outdoor permanent spas shall be equipped with a vapor-retardant cover on or at the water surface or a liquid cover or other means proven to reduce heat loss

Exception: Where more than 70 percent of the energy for heating, computed over an operation season, is from site-recovered energy, such as from a heat pump or solar energy source, covers or other vapor-retardant means shall not be required

- R403.10.4 Gas- and oil-fired pool and spa heaters.** All gas- and oil-fired pool and spa heaters shall have a minimum thermal efficiency of 82 percent for heaters manufactured on or after April 16, 2013, when tested in accordance with ANSI Z 21 56. Pool heaters fired by natural or LP gas shall not have continuously burning pilot lights
- R403.10.5 Heat pump pool heaters.** Heat pump pool heaters shall have a minimum COP of 4.0 when tested in accordance with AHRI 1160, Table 2, Standard Rating Conditions-Low Air Temperature. A test report from an independent laboratory is required to verify procedure compliance. Geothermal swimming pool heat pumps are not required to meet this standard
- R403.11 Portable spas (Mandatory).** The energy consumption of electric-powered portable spas shall be controlled by the requirements of APSP-14

- R403.13 Dehumidifiers (Mandatory).** If installed, a dehumidifier shall conform to the following requirements

- 1 The minimum rated efficiency of the dehumidifier shall be greater than 1.7 liters/ kWh if the total dehumidifier capacity for the house is less than 75 pints/day and greater than 2.38 liters/kWh if the total dehumidifier capacity for the house is greater than or equal to 75 pints/day
- 2 The dehumidifier shall be controlled by a sensor that is installed in a location where it is exposed to mixed house air
- 3 Any dehumidifier unit located in unconditioned space that treats air from conditioned space shall be insulated to a minimum of R-2
- 4 Condensate disposal shall be in accordance with Section M1411.3.1 of the Florida Building Code, Residential

- R403.13.1 Ducted dehumidifiers.** Ducted dehumidifiers shall, in addition to conforming to the requirements of Section R403.13, conform to the following requirements

- 1 If a ducted dehumidifier is configured with return and supply ducts both connected into the supply side of the cooling system, a backdraft damper shall be installed in the supply air duct between the dehumidifier inlet and outlet duct
- 2 If a ducted dehumidifier is configured with only its supply duct connected into the supply side of the central heating and cooling system, a backdraft damper shall be installed in the dehumidifier supply duct between the dehumidifier and central supply duct
- 3 A ducted dehumidifier shall not be ducted to or from a central ducted cooling system on the return duct side upstream from the central cooling evaporator coil
- 4 Ductwork associated with a dehumidifier located in unconditioned space shall be insulated to a minimum of R-6

SECTION R404 ELECTRICAL POWER AND LIGHTING SYSTEMS

- R404.1 Lighting equipment (Mandatory).** All permanently installed luminaires, excluding those in kitchen appliances, shall have an efficacy of at least 45 lumens-per-watt or shall utilize lamps with an efficacy of not less than 65 lumens-per-watt

R404.1.1 Lighting equipment (Mandatory). Fuel gas lighting systems shall not have continuously burning pilot lights

SECTION R405
SIMULATED PERFORMANCE ALTERNATIVE
(PERFORMANCE)

- R405.2 Mandatory requirements.** Compliance with this section requires that the mandatory provisions identified in Section R401.2 be met. All supply and return ducts not completely inside the building thermal envelope shall be insulated to a minimum of R-6, except site-wrapped supply ducts not completely inside the building thermal envelope shall be insulated to a minimum of R-8.
- R405.2.1 Ceiling insulation.** Ceilings shall have an insulation level of at least R-19, space permitting. For the purposes of this code, types of ceiling construction that are considered to have inadequate space to install R-19 include single assembly ceilings of the exposed deck and beam type and concrete deck roofs. Such ceiling assemblies shall be insulated to at least a level of R-10.
- R405.2.2 Building air leakage testing.** Building or dwelling air leakage testing shall be in accordance with Sections R402.4 through R402.4.1.2. If an air leakage rate below seven air changes per hour at a pressure of 0.2 inch w.g. (50 pascals) is specified for the proposed design, testing shall verify the air leakage rate does not exceed the air leakage rate of the proposed design instead of seven air changes per hour.
- R405.2.3 Duct air leakage testing.** In cases where duct air leakage lower than the default Q_n to outside of 0.080 (where Q_n = duct leakage to the outside in cfm per 100 square feet of conditioned floor area tested at 25 Pascals) is specified for the proposed design, testing in accordance with Section R403.3.2 shall verify a duct air leakage rate not exceeding the leakage rate of the proposed design. Otherwise, in accordance with Section R403.3.3, duct testing is not mandatory for buildings complying by Section R405.

SECTION R406
ENERGY RATING INDEX
COMPLIANCE ALTERNATIVE

- R406.2 Mandatory requirements.** Compliance with this section requires that the provisions identified in Sections R401 through R404 labeled as "mandatory" and Section R403.5.3 of the 2015 International Energy Conservation Code be met. For buildings that do not utilize on-site renewable power production for compliance with this section, the building thermal envelope shall be greater than or equal to levels of efficiency and Solar Heat Gain Coefficient in Table 402.1.1 or 402.1.3 of the 2009 International Energy Conservation Code. For buildings that utilize on-site renewable power production for compliance with this section, the building thermal envelope shall be greater than or equal to levels of efficiency and Solar Heat Gain Coefficient in Table R402.1.2 or Table R402.1.4 of the 2015 International Energy Conservation Code.

Exception: Supply and return ducts not completely inside the building thermal envelope shall be insulated to a minimum of R-6.

- R406.2.1 Site-wrapped supply ducts.** Site-wrapped supply ducts not completely inside the building thermal envelope shall be insulated to a minimum of R-8.

EMS Heat Loss/Heat Gain Calculation

Company:	Green Engineering Solutions, Inc.
Preparer:	Misty Miller CER #1493
Phone:	904-305-2496

Customer:	Charles Smith
Address:	251 SW Fennigan Way Lake City, FL 32025
Phone:	
Date:	11/25/2025

This HVAC load calculation has been performed using sound engineering principles as prescribed by Manual J seventh and eighth abridged editions and ASHRAE Fundamentals. Duct sizing has been performed as prescribed by Manual D.

1. Design Conditions

Total conditioned area (sq.ft.)	2302		
	Indoor	Outdoor	Temp. Diff.
Winter	70	34	36
Summer	73	95	22

Front of home is facing:
West

2. How would you describe the summer humidity in your area? Very Humid 60 Grains difference

3. How tight is the house? Average-over 1500 Sq. Ft.
 Winter air change / hr: 0.7 Summer air change / hr: 0.35

4. Fireplace evaluation : Number: 1 Tightness: Average 20

5. Number of occupants: 4

6. Overhang characteristics (optional)

	East	West	S/SE/SW
Distance of overhang from top of window (Ft.)			
Length of overhang			

7. Solar gain through glass

Use Manufacturer's Specs to determine HTM			
Latitude:	30	U-value:	.33
		SHGC:	.31

Facing	Total area - Sq.Ft.	Type of glass	HTM	Linear ft.	Unshaded	Shaded	BTUH
N/Shaded	47.5	Trpl or low-E	14	Below OH		48	
NE/NW		-- Select --	28		0		0
South	7	Trpl or low-E	16		7	0	112
SE/SW		-- Select --	29		0	0	0
East	227.5	Trpl or low-E	37		228	0	8418
West	72.25	Trpl or low-E	37		72	0	2673
Skylight		-- Select --					0
Total North and Shaded						48	665
Total Solar Gain							11868
Adjust for tinted or reflective window coating?				No	1		11868

8. Ducts/Pipes

Location:	Radial or spider in attic				
Attic Temp.	Insulation	Leakage	Area		
130	R-6	1	scaled	1	2302

Duct gain:	0.233	Duct loss:	0.116
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9. Load Calculation

Elements of Load	Insulation / R-value	Area/lin.ft.	U-value	Heat Loss	Heat Gain
Gross Wall		2242.9		Glass solar gain	11868
Glass 1	Trpl or low-E	354	0.42	4208	
Glass 2	-- Select --			0	
Skylight	-- Select --	0		0	
Doors	Single wood	36	0.56	726	444
Net walls	R-13	1853	0.077	5136	3138
Ceilings	R-38	2302	0.026	2155	2693
Floors	-- Select --			0	0
Open floors	-- Select --			0	0
Slab floors	No Insulation	244.24	0.8	7034	0
Volume of your building or zone (cu. Ft.)		21564		10755	3044
	People				1200
	Appliances				4600
	Sub Total			30013	26987
	Duct Loss/Gain			3495	6285
	Sensible Load			33508	33272
	Latent Load				6052
	TOTAL BTUH			33508	39324

Summary		
	BTUH	Tons
Total heating load	33508	
Total cooling load	39324	3.3

Room by Room

Total Heat Loss	33508	System CFM (cooling)	1600
Total Heat Gain	33272	System CFM (heating)	1600

Room name	Foyer	Family Room	Nook/Kitchen	Laundry/Mud/Powder	Pantry	Bedroom 2	Bathroom 2	Bedroom 3	Master Bedroom
Gross wall	56.7	183.3	206.7	218.25	124.47	250.47	218.97	173.97	370.53
North windows						16.5	7		24
NE/NW windows									
South windows									
SE/SW windows									
East windows		96	45				7	30	49.5
West windows	16			25					
Skylight									
Doors	12			24					
Net walls	29	87	162	169	124	234	205	144	297
Ceiling	73	457	316	168	30	191	114	222	282
Floor-crawl									
Floor-open									
Floor-slab	5.67	18.33	20.67	24.25	13.83	27.83	24.33	19.33	41.17
Infiltration	28	96	45	49	0	16	14	30	74
People						1		1	2
Appliances	0	1200	900	500		500		500	500
Heat loss	1691	5564	3477	3858	861	2545	2152	2620	5774
Sensible Heat Gain	1347	7623	4389	3188	303	2194	1167	3264	5762
Cooling CFM	65	367	211	153	15	106	56	157	277
Heating CFM	81	266	166	184	41	122	103	125	276

Room name	Master Bath	Study/Hall
Gross wall	271.53	92.97
North windows		
NE/NW windows		
South windows	7	
SE/SW windows		
East windows		
West windows	18.75	12.5

Skylight		
Doors		
Net walls	246	80
Ceiling	181	137
Floor-crawl		
Floor-open		
Floor-slab	30.17	10.33
Infiltration	26	12
People		
Appliances		500
Heat loss	3054	1275
Sensible Heat Gain	2015	1673
Cooling CFM	97	80
Heating CFM	146	61

Air Ducts Sizing

Total measured length of ducts	59	Use cooling CFM	
Total equivalent length of fittings	36	Flex ducts used	
Available static pressure for duct	.34		
Friction rate	.05		

	CFM	No. outlets	Outlet CFM	Duct diam.	Air vel.
Supply trunk / branch					
First section off AHU	1600			21	667
1st reduction / branch	1200			18.8	622
2nd reduction / branch	800			16.1	564
3rd reduction / branch	400			12.4	476
4th reduction / branch	200			9.5	402
5th reduction / branch	100			7.3	340
Return trunk / branch					
First section off AHU	1600			21	667
1st reduction / branch	1200			18.8	622
2nd reduction / branch	800			16.1	564
3rd reduction / branch	400			12.4	476
4th reduction / branch	200			9.5	402
5th reduction / branch	100			7.3	340
Room runs					
Foyer	65	1	65	6.2	306.2
Family Room	367	4	91.8	7.1	333
Nook/Kitchen	211	2	105.5	7.5	344.5
Laundry/Mud/Powder	153	2	76.5	6.6	318.6
Pantry	15	1	15	3.6	214.4
Bedroom 2	106	1	106	7.5	344.9
Bathroom 2	56	1	56	5.9	295.3
Bedroom 3	157	2	78.5	6.7	320.6
Master Bedroom	277	3	92.3	7.1	333.5
Master Closet	17	1	17	3.8	221
Master Bath	97	1	97	7.3	337.5
Study/Hall	80	1	80	6.7	322.1

Equipment selection as per Manual S

	BTUH	Nom. Tons
Total heat loss	33508	
Total heat gain	39324	3.3
Sensible heat gain	33272	
Latent heat gain	6052	
Sensible/total ratio	0.85	
Target cooling TD	19	

Design temp.	Outdoor	Indoor
Winter	34	70
Summer	95	73
ID design RH	50%, 63F WB	
Altitude		

Predominantly Cool climate

Manufacturer's Equipment Specification

Equipment	Manufacturer	Model No.	BTUH output	Clg. capacity @ OD design temp.		
Furnace						
Boiler				Total	Sensible	Latent
Heat pump / AC	Amana	ALZS4BA4810A		45000	36000	9000
Evaporator						
Air handler	Amana	AMST60DU1300A				
TOTAL CAPACITY with altitude correction			0	45000	36000	9000
Selected equipment size			OK	OK	OK	OK
			Heating CFM	Cooling CFM (rec.)	Ext. static pressure of blower	
			1600	1722	.5	

AHRI # 217491822
SEER2: 15 / HSPF2: 7.8

Available static pressure for duct

Blower ext. static press.	.5
coil pressure drop	
filter pressure drop	.1
register pressure drop	.03
grille pressure drop	.03
other	
Available SP for duct	0.34

Supplemental heat needed for heat pump

HP capacity @ 47F	46000
HP capacity @ 17F	28800
HP capacity @ ODDT	38547
BTUH supplemental heat	-5039
KW supplemental heat	-1

2023 - AIR BARRIER AND INSULATION INSPECTION COMPONENT CRITERIA-TABLE 402.4.1.1a

Project Name	251 SW Fennigan Way	Builder Name	
Street	251 SW Fennigan Way	Permit Office	Lake City
City, State, Zip	Lake City, FL, 32025	Permit Number	
Owner	Charles Smith	Jurisdiction	221200
Design Location	FL, Jacksonville	County	Columbia(Florida Climate Zone 2)
COMPONENT	AIR BARRIER CRITERIA	INSULATION INSTALLATION CRITERIA	IC
General requirements	A continuous air barrier shall be installed in the building envelope The exterior thermal envelope contains a continuous air barrier Breaks or joints in the air barrier shall be sealed	Air-permeable insulation shall not be used as a sealing material	IC
Ceiling/attic	The air barrier in any dropped ceiling/soffit shall be aligned with the insulation and any gaps in the air barrier shall be sealed Access openings, drop down stairs or knee wall doors to unconditioned attic spaces shall be sealed	The insulation in any dropped ceiling/soffit shall be aligned with the air barrier	
Walls	The junction of the foundation and sill plate shall be sealed The junction of the top plate and the top of exterior walls shall be sealed Knee walls shall be sealed	Cavities within corners and headers of frame walls shall be insulated by completely filling the cavity with a material having a thermal resistance of R-3 per inch minimum Exterior thermal envelope insulation for framed walls shall be installed in substantial contact and continuous alignment with the air barrier	
Windows, skylights and doors	The space between window/door jambs and framing, and skylights and framing shall be sealed		
Rim joists	Rim joists shall include the air barrier	Rim joists shall be insulated	
Floors (including above-garage and cantilevered floors)	The air barrier shall be installed at any exposed edge of insulation	Floor framing cavity insulation shall be installed to maintain permanent contact with the underside of subfloor decking, or floor framing cavity insulation shall be permitted to be in contact with the top side of sheathing, or continuous insulation installed on the underside of floor framing and extends from the bottom to the top of all perimeter floor framing members	
Crawl space walls	Exposed earth in unvented crawl spaces shall be covered with a Class I vapor retarder with overlapping joints taped	Where provided instead of floor insulation, insulation shall be permanently attached to the crawlspace walls	
Shafts, penetrations	Duct shafts, utility penetrations, and flue shafts opening to exterior or unconditioned space shall be sealed		
Narrow cavities		Batts in narrow cavities shall be cut to fit, or narrow cavities shall be filled by insulation that on installation readily conforms to the available cavity spaces	
Garage separation	Air sealing shall be provided between the garage and conditioned spaces		
Recessed lighting	Recessed light fixtures installed in the building thermal envelope shall be sealed to the finished surface	Recessed light fixtures installed in the building thermal envelope shall be air tight and IC rated	
Plumbing and wiring		Batt insulation shall be cut neatly to fit around wiring and plumbing in exterior walls, or insulation that on installation readily conforms to available space shall extend behind piping and wiring	
Shower/tub on exterior wall	The air barrier installed at exterior walls adjacent to showers and tubs shall separate them from the showers and tubs	Exterior walls adjacent to showers and tubs shall be insulated	
Electrical, communication, and other equipment boxes, housings, and enclosures	Boxes, housings, and enclosures that penetrate the air barrier shall be caulked, taped, gasketed, or otherwise sealed to the air barrier element being penetrated All concealed openings into the box, housing, or enclosure shall be sealed The continuity of the air barrier shall be maintained around boxes, housings, and enclosures that penetrate the air barrier Alternatively, air-sealed boxes shall be installed in accordance with R402.4.6	Boxes, housings, and enclosures shall be buried in or surrounded by tightly fitted insulation	
HVAC register boots	HVAC supply and return register boots that penetrate building thermal envelope shall be sealed to the sub-floor, wall covering or ceiling penetrated by the boot		
Concealed sprinklers	When required to be sealed, concealed fire sprinklers shall only be sealed in a manner that is recommended by the manufacturer Caulking or other adhesive sealants shall not be used to fill voids voids between fire sprinkler cover plates and walls or ceilings		

a In addition, inspection of log walls shall be in accordance with the provisions of ICC-400
11/25/2025 6 01 56 PM

Envelope Leakage Test Report (Blower Door Test)

Residential Prescriptive, Performance or ERI Method Compliance

2023 Florida Building Code, Energy Conservation, 8th Edition

Jurisdiction: 221200	Permit #
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Job Information

Builder:	Community:	Lot	NA
Address 251 SW Fennigan Way			
City: Lake City	State: FL	Zip: 32025	

Air Leakage Test Results Passing results must meet either the Performance, Prescriptive, or ERI Method

PRESCRIPTIVE METHOD The building or dwelling unit shall be tested and verified as having an air leakage rate of not exceeding 7 air changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Climate Zones 1 and 2.

PERFORMANCE or ERI METHOD The building or dwelling unit shall be tested and verified as having an air leakage rate of not exceeding the selected ACH(50) value, as shown on Form R405-2023 (Performance) or R406-2023 (ERI), section labeled as Infiltration, sub-section ACH(50) ACH(50) specified on Form R405-2023 Energy Calc. (Performance) or R406-2023 (ERI) 6.000

$\frac{\text{CFM}(50)}{\text{Building Volume}} \times 60 \div \frac{21564}{\text{ACH}(50)} =$ <p style="text-align: center; font-size: 2em; font-weight: bold;">PASS</p> <p><input type="checkbox"/> When ACH(50) is less than 3, Mechanical Ventilation installation must be verified by building department.</p>	<p><u>Method for calculating building volume</u></p> <p><input type="radio"/> Retrieved from architectural plans</p> <p><input checked="" type="radio"/> Code software calculated</p> <p><input type="radio"/> Field measured and calculated</p>
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R402.4.1.2 Testing. The building or dwelling unit shall be tested and verified as having an air leakage rate not exceeding seven air changes per hour in Climate Zones 1 and 2, and three air changes per hour in Climate Zones 3 through 8. Dwelling units with an air leakage rate less than three air changes per hour shall be provided with whole-house mechanical ventilation in accordance with Section R403.6.1 of this code and Section M1507.3 if the *Florida Building Code, Residential*. Testing shall be conducted in accordance with ANSI/RESNET/ICC 380 and reported at a pressure of 0.2 inch w.g. (50 Pascals). Testing shall be conducted by either individuals as defined in Section 553.993(5) or (7), *Florida Statutes*, or individuals licensed as set forth in Section 489.105(3)(f), (g), or (i) or an approved third party. A written report of the results of the test shall be signed by the party conducting the test and provided to the *code official*. Testing shall be performed at any time after creation of all penetrations of the *building thermal envelope*.

During testing

- 1 Exterior windows and doors, fireplace and stove doors shall be closed, but not sealed, beyond the intended weatherstripping or other infiltration control measures
- 2 Dampers including exhaust, intake, makeup air, back draft and flue dampers shall be closed, but not sealed beyond intended infiltration control measures
- 3 Interior doors, if installed at the time of the test, shall be open
- 4 Exterior doors for continuous ventilation systems and heat recovery ventilators shall be closed and sealed
- 5 Heating and cooling systems, if installed at the time of the test, shall be turned off
- 6 Supply and return registers, if installed at the time of the test, shall be fully open
- 7 If an attic is both sealed and insulated at the roof deck, interior access doors and hatches between the conditioned space volume and the attic shall be opened during the test and the volume of the attic shall be added to the conditioned space volume for purposes of reporting the infiltration volume and calculating the air leakage of the home

Testing Company

Company Name _____ Phone _____

I hereby verify that the above Air Leakage results are in accordance with the 2023 8th Edition Florida Building Code Energy Conservation requirements according to the compliance method selected above

Signature of Tester _____ Date of Test _____

Printed Name of Tester _____

License/Certification # _____ Issuing Authority _____