


FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Santiago Residence Street: City, State, Zip: Lake City, FL, 32055 Owner: Nelson Santiago Design Location: FL, Gainesville	Builder Name: IC Construction, LLC. Permit Office: Columbia County Permit Number: Jurisdiction: County: Columbia (Florida Climate Zone 2)
---	---

<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:30%;">1. New construction or existing</td> <td style="width:30%;">New (From Plans)</td> <td style="width:40%;"></td> </tr> <tr> <td>2. Single family or multiple family</td> <td>Detached</td> <td></td> </tr> <tr> <td>3. Number of units, if multiple family</td> <td>1</td> <td></td> </tr> <tr> <td>4. Number of Bedrooms</td> <td>4</td> <td></td> </tr> <tr> <td>5. Is this a worst case?</td> <td>No</td> <td></td> </tr> <tr> <td>6. Conditioned floor area above grade (ft²)</td> <td>2797</td> <td></td> </tr> <tr> <td> Conditioned floor area below grade (ft²)</td> <td>0</td> <td></td> </tr> <tr> <td>7. Windows (398.0 sqft.)</td> <td>Description</td> <td>Area</td> </tr> <tr> <td> a. U-Factor:</td> <td>Dbl, U=0.36</td> <td>398.00 ft²</td> </tr> <tr> <td> SHGC:</td> <td>SHGC=0.25</td> <td></td> </tr> <tr> <td> b. U-Factor:</td> <td>N/A</td> <td>ft²</td> </tr> <tr> <td> SHGC:</td> <td></td> <td></td> </tr> <tr> <td> c. U-Factor:</td> <td>N/A</td> <td>ft²</td> </tr> <tr> <td> SHGC:</td> <td></td> <td></td> </tr> <tr> <td> Area Weighted Average Overhang Depth:</td> <td>6.108 ft.</td> <td></td> </tr> <tr> <td> Area Weighted Average SHGC:</td> <td>0.250</td> <td></td> </tr> <tr> <td>8. Skylights</td> <td>Area</td> <td></td> </tr> <tr> <td> c. U-Factor:(AVG)</td> <td>N/A</td> <td>ft²</td> </tr> <tr> <td> SHGC(AVG):</td> <td>N/A</td> <td></td> </tr> <tr> <td>9. Floor Types (2797.0 sqft.)</td> <td>Insulation</td> <td>Area</td> </tr> <tr> <td> a. Slab-On-Grade Edge Insulation</td> <td>R=0.0</td> <td>2331.00 ft²</td> </tr> <tr> <td> b. Floor over Garage</td> <td>R=19.0</td> <td>466.00 ft²</td> </tr> <tr> <td> c. N/A</td> <td>R=</td> <td>ft²</td> </tr> </table>	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	4		5. Is this a worst case?	No		6. Conditioned floor area above grade (ft²)	2797		Conditioned floor area below grade (ft²)	0		7. Windows (398.0 sqft.)	Description	Area	a. U-Factor:	Dbl, U=0.36	398.00 ft²	SHGC:	SHGC=0.25		b. U-Factor:	N/A	ft²	SHGC:			c. U-Factor:	N/A	ft²	SHGC:			Area Weighted Average Overhang Depth:	6.108 ft.		Area Weighted Average SHGC:	0.250		8. Skylights	Area		c. U-Factor:(AVG)	N/A	ft²	SHGC(AVG):	N/A		9. Floor Types (2797.0 sqft.)	Insulation	Area	a. Slab-On-Grade Edge Insulation	R=0.0	2331.00 ft²	b. Floor over Garage	R=19.0	466.00 ft²	c. N/A	R=	ft²	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:30%;">10. Wall Types(3598.5 sqft.)</td> <td style="width:30%;">Insulation</td> <td style="width:40%;">Area</td> </tr> <tr> <td> a. Frame - Wood, Exterior</td> <td>R=13.0</td> <td>3148.50 ft²</td> </tr> <tr> <td> b. Frame - Wood, Adjacent</td> <td>R=13.0</td> <td>450.00 ft²</td> </tr> <tr> <td> c. N/A</td> <td>R=</td> <td>ft²</td> </tr> <tr> <td> d. N/A</td> <td>R=</td> <td>ft²</td> </tr> <tr> <td>11. Ceiling Types (2937.0 sqft.)</td> <td>Insulation</td> <td>Area</td> </tr> <tr> <td> a. Under Attic (Vented)</td> <td>R=38.0</td> <td>2937.00 ft²</td> </tr> <tr> <td> b. N/A</td> <td>R=</td> <td>ft²</td> </tr> <tr> <td> c. N/A</td> <td>R=</td> <td>ft²</td> </tr> <tr> <td>12. Ducts</td> <td>R</td> <td>ft²</td> </tr> <tr> <td> a. Sup: Attic, Ret: Attic, AH: Attic</td> <td>6</td> <td>699.25</td> </tr> <tr> <td>13. Cooling systems</td> <td>kBtu/hr</td> <td>Efficiency</td> </tr> <tr> <td> a. Central Unit</td> <td>21.0</td> <td>SEER:14.00</td> </tr> <tr> <td>14. Heating systems</td> <td>kBtu/hr</td> <td>Efficiency</td> </tr> <tr> <td> a. Electric Heat Pump</td> <td>31.9</td> <td>HSPF:8.20</td> </tr> <tr> <td>15. Hot water systems</td> <td></td> <td></td> </tr> <tr> <td> a. Electric</td> <td>Tankless</td> <td>Cap: 1 gallons</td> </tr> <tr> <td></td> <td></td> <td>EF: 0.920</td> </tr> <tr> <td> b. Conservation features</td> <td>None</td> <td></td> </tr> <tr> <td>16. Credits</td> <td></td> <td>CV, Pstat</td> </tr> </table>	10. Wall Types(3598.5 sqft.)	Insulation	Area	a. Frame - Wood, Exterior	R=13.0	3148.50 ft²	b. Frame - Wood, Adjacent	R=13.0	450.00 ft²	c. N/A	R=	ft²	d. N/A	R=	ft²	11. Ceiling Types (2937.0 sqft.)	Insulation	Area	a. Under Attic (Vented)	R=38.0	2937.00 ft²	b. N/A	R=	ft²	c. N/A	R=	ft²	12. Ducts	R	ft²	a. Sup: Attic, Ret: Attic, AH: Attic	6	699.25	13. Cooling systems	kBtu/hr	Efficiency	a. Central Unit	21.0	SEER:14.00	14. Heating systems	kBtu/hr	Efficiency	a. Electric Heat Pump	31.9	HSPF:8.20	15. Hot water systems			a. Electric	Tankless	Cap: 1 gallons			EF: 0.920	b. Conservation features	None		16. Credits		CV, Pstat
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	4																																																																																																																																	
5. Is this a worst case?	No																																																																																																																																	
6. Conditioned floor area above grade (ft²)	2797																																																																																																																																	
Conditioned floor area below grade (ft²)	0																																																																																																																																	
7. Windows (398.0 sqft.)	Description	Area																																																																																																																																
a. U-Factor:	Dbl, U=0.36	398.00 ft²																																																																																																																																
SHGC:	SHGC=0.25																																																																																																																																	
b. U-Factor:	N/A	ft²																																																																																																																																
SHGC:																																																																																																																																		
c. U-Factor:	N/A	ft²																																																																																																																																
SHGC:																																																																																																																																		
Area Weighted Average Overhang Depth:	6.108 ft.																																																																																																																																	
Area Weighted Average SHGC:	0.250																																																																																																																																	
8. Skylights	Area																																																																																																																																	
c. U-Factor:(AVG)	N/A	ft²																																																																																																																																
SHGC(AVG):	N/A																																																																																																																																	
9. Floor Types (2797.0 sqft.)	Insulation	Area																																																																																																																																
a. Slab-On-Grade Edge Insulation	R=0.0	2331.00 ft²																																																																																																																																
b. Floor over Garage	R=19.0	466.00 ft²																																																																																																																																
c. N/A	R=	ft²																																																																																																																																
10. Wall Types(3598.5 sqft.)	Insulation	Area																																																																																																																																
a. Frame - Wood, Exterior	R=13.0	3148.50 ft²																																																																																																																																
b. Frame - Wood, Adjacent	R=13.0	450.00 ft²																																																																																																																																
c. N/A	R=	ft²																																																																																																																																
d. N/A	R=	ft²																																																																																																																																
11. Ceiling Types (2937.0 sqft.)	Insulation	Area																																																																																																																																
a. Under Attic (Vented)	R=38.0	2937.00 ft²																																																																																																																																
b. N/A	R=	ft²																																																																																																																																
c. N/A	R=	ft²																																																																																																																																
12. Ducts	R	ft²																																																																																																																																
a. Sup: Attic, Ret: Attic, AH: Attic	6	699.25																																																																																																																																
13. Cooling systems	kBtu/hr	Efficiency																																																																																																																																
a. Central Unit	21.0	SEER:14.00																																																																																																																																
14. Heating systems	kBtu/hr	Efficiency																																																																																																																																
a. Electric Heat Pump	31.9	HSPF:8.20																																																																																																																																
15. Hot water systems																																																																																																																																		
a. Electric	Tankless	Cap: 1 gallons																																																																																																																																
		EF: 0.920																																																																																																																																
b. Conservation features	None																																																																																																																																	
16. Credits		CV, Pstat																																																																																																																																

Glass/Floor Area: 0.142 Total Proposed Modified Loads: 74.39 **PASS**
 Total Baseline Loads: 82.48

<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: _____ DATE: <u>3/25/2021</u></p> <p>I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.</p> <p>OWNER/AGENT: _____ 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> <div style="text-align: right;">  </div> <p>BUILDING OFFICIAL: _____ DATE: _____</p>
--	--

- 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 requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires an envelope leakage test report with envelope leakage no greater than 5.00 ACH50 (R402.4.1.2).

INPUT SUMMARY CHECKLIST REPORT

PROJECT													
Title:	Santiago Residence			Bedrooms:	4		Address Type:	Lot Information					
Building Type:	User			Conditioned Area:	2797		Lot #	9, Blk B					
Owner Name:	Nelson Santiago			Total Stories:	2		Block/Subdivision:	Oakhaven II					
# of Units:	1			Worst Case:	No		PlatBook:						
Builder Name:	IC Construction, LLC.			Rotate Angle:	0		Street:						
Permit Office:	Columbia County			Cross Ventilation:	Yes		County:	Columbia					
Jurisdiction:				Whole House Fan:	No		City, State, Zip:	Lake City, FL, 32055					
Family Type:	Detached												
New/Existing:	New (From Plans)												
Comment:													
CLIMATE													
✓	Design Location	TMY Site		Design Temp		Int Design Temp		Heating	Design	Daily Temp			
				97.5 %	2.5 %	Winter	Summer	Degree Days	Moisture	Range			
_____	FL, Gainesville	FL_GAINESVILLE_REGI		32	92	70	75	1305.5	51	Medium			
BLOCKS													
	Number	Name	Area	Volume									
	1	Block1	2797	27504									
SPACES													
	Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated		
	1	1st Floor	2331	23310	Yes	8	3	1	Yes	Yes	Yes		
	2	2nd Floor	466	4194	No	2	1	1	Yes	Yes	Yes		
FLOORS													
✓	#	Floor Type	Space	Perimeter	Perimeter R-Value	Area	Joist R-Value	Tile	Wood	Carpet			
_____	1	Slab-On-Grade Edge Insulation	1st Floor	266.833 ft	0	2331 ft²	----	0	0	1			
_____	2	Floor over Garage	2nd Floor	----	----	466 ft²	19	0	0	1			
ROOF													
✓	#	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	3362 ft²	932 ft²	Medium	Y	0.96	No	0.9	No	0	33.69
ATTIC													
✓	#	Type	Ventilation	Vent Ratio (1 in)		Area	RBS	IRCC					
_____	1	Full attic	Vented	300		2797 ft²	Y	N					

INPUT SUMMARY CHECKLIST REPORT

CEILING

✓	#	Ceiling Type	Space	R-Value	Ins Type	Area	Framing Frac	Truss Type
✓	1	Under Attic (Vented)	1st Floor	38	Double Batt	2448 ft²	0.11	Wood
	2	Under Attic (Vented)	2nd Floor	38	Double Batt	489 ft²	0.11	Wood

WALLS

✓	#	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	In	Height Ft	In	Area	Sheathing R-Value	Framing Fraction	Solar Absor.	Below Grade%
	1	E	Exterior	Frame - Wood	1st Floor	13	28		10		280.0 ft²		0.23	0.75	0
	2	S	Exterior	Frame - Wood	1st Floor	13	14	2	10		141.7 ft²		0.23	0.75	0
	3	E	Exterior	Frame - Wood	1st Floor	13	14	2	10		141.7 ft²		0.23	0.75	0
	4	N	Exterior	Frame - Wood	1st Floor	13	14	2	10		141.7 ft²		0.23	0.75	0
	5	E	Exterior	Frame - Wood	1st Floor	13	4		10		40.0 ft²		0.23	0.75	0
	6	N	Exterior	Frame - Wood	1st Floor	13	24	4	10		243.3 ft²		0.23	0.75	0
	7	W	Exterior	Frame - Wood	1st Floor	13	33	2	10		331.7 ft²		0.23	0.75	0
	8	N	Exterior	Frame - Wood	1st Floor	13	13		10		130.0 ft²		0.23	0.75	0
	9	W	Exterior	Frame - Wood	1st Floor	13	13		10		130.0 ft²		0.23	0.75	0
	10	N	Exterior	Frame - Wood	1st Floor	13	15	9	10		157.5 ft²		0.23	0.75	0
	11	W	Exterior	Frame - Wood	1st Floor	13	24		10		240.0 ft²		0.23	0.75	0
	12	S	Exterior	Frame - Wood	1st Floor	13	32	6	10		325.0 ft²		0.23	0.75	0
	13	E	Exterior	Frame - Wood	2nd Floor	13	12	8	9		114.0 ft²		0.23	0.75	0
	14	N	Exterior	Frame - Wood	2nd Floor	13	35		9		315.0 ft²		0.23	0.75	0
	15	W	Exterior	Frame - Wood	2nd Floor	13	5	8	9		51.0 ft²		0.23	0.75	0
	16	S	Exterior	Frame - Wood	2nd Floor	13	12		9		108.0 ft²		0.23	0.75	0
	17	E	Exterior	Frame - Wood	2nd Floor	13	5	8	9		51.0 ft²		0.23	0.75	0
	18	S	Exterior	Frame - Wood	2nd Floor	13	23		9		207.0 ft²		0.23	0.75	0
	19	E	Garage	Frame - Wood	1st Floor	13	24		10		240.0 ft²		0.23	0.75	0
	20	S	Garage	Frame - Wood	1st Floor	13	21		10		210.0 ft²		0.23	0.75	0

DOORS

✓	#	Ornt	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area
✓	1	E	Insulated	1st Floor	None	.46	3		8		24 ft²

WINDOWS

Orientation shown is the entered, Proposed orientation.

✓	#	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area	Overhang Depth	Separation	Int Shade	Screening
	1	E	1	Vinyl	Low-E Double	Yes	0.36	0.25	N	60.0 ft²	9 ft 6 in	1 ft 0 in	None	None
	2	E	1	TIM	Low-E Double	Yes	0.36	0.25	N	24.0 ft²	9 ft 6 in	1 ft 0 in	None	None
	3	E	3	Vinyl	Low-E Double	Yes	0.36	0.25	N	36.0 ft²	1 ft 0 in	1 ft 0 in	None	None
	4	N	6	Vinyl	Low-E Double	Yes	0.36	0.25	N	4.0 ft²	1 ft 0 in	3 ft 0 in	None	None
	5	W	7	Vinyl	Low-E Double	Yes	0.36	0.25	N	54.0 ft²	14 ft 6 in	1 ft 0 in	None	None
	6	W	7	TIM	Low-E Double	Yes	0.36	0.25	N	40.0 ft²	14 ft 6 in	1 ft 0 in	None	None
	7	W	9	Vinyl	Low-E Double	Yes	0.36	0.25	N	36.0 ft²	1 ft 6 in	1 ft 0 in	None	None
	8	N	10	Vinyl	Low-E Double	Yes	0.36	0.25	N	12.0 ft²	1 ft 6 in	1 ft 0 in	None	None
	9	W	11	Vinyl	Low-E Double	Yes	0.36	0.25	N	36.0 ft²	1 ft 0 in	8 ft 0 in	None	None

INPUT SUMMARY CHECKLIST REPORT

WINDOWS														
Orientation shown is the entered, Proposed orientation.														
✓	#	Wall				NFRC	U-Factor	SHGC	Imp	Area	Overhang		Int Shade	Screening
		Ornt	ID	Frame	Panels						Depth	Separation		
✓	10	W	11	Vinyl	Low-E Double	Yes	0.36	0.25	N	12.0 ft²	1 ft 0 in	8 ft 0 in	None	None
✓	11	S	12	Vinyl	Low-E Double	Yes	0.36	0.25	N	20.0 ft²	1 ft 6 in	4 ft 0 in	None	None
✓	12	E	13	Vinyl	Low-E Double	Yes	0.36	0.25	N	32.0 ft²	1 ft 0 in	3 ft 0 in	None	None
✓	13	S	16	Vinyl	Low-E Double	Yes	0.36	0.25	N	32.0 ft²	1 ft 6 in	1 ft 0 in	None	None

GARAGE						
✓	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
✓	1	840 ft²	840 ft²	73.33 ft	10 ft	1

INFILTRATION								
#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Proposed ACH(50)	.000312	2292	125.75	236.07	.1404	5

HEATING SYSTEM									
✓	#	System Type	Subtype	Speed	Efficiency	Capacity	Block	Ducts	
✓	1	Electric Heat Pump/	None	Single	HSPF:8.2	31.88 kBtu/hr	1	sys#1	

COOLING SYSTEM										
✓	#	System Type	Subtype	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
✓	1	Central Unit/	None	Single	SEER: 14	21.03 kBtu/hr	630 cfm	0.7	1	sys#1

HOT WATER SYSTEM									
✓	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
✓	1	Electric	Tankless	Garage	0.92	1 gal	40 gal	120 deg	None

SOLAR HOT WATER SYSTEM								
✓	FSEC	Cert #	CompanyName	System Model#	Collector Model#	Collector Area	Storage Volume	FEF
✓	None	None	None	None	None	ft²	None	None

DUCTS														
✓	#	---- Supply ----			---- Return ----			Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC #	
		Location	R-Value	Area	Location	Area	LeakageType						Heat	Cool
✓	1	Attic	6	699.25 f	Attic	139.85 f	Default Leakage	Attic	(Default) c	(Default) c			1	1

INPUT SUMMARY CHECKLIST REPORT

TEMPERATURES

Programable Thermostat: Y

Ceiling Fans:

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 checked="" type="checkbox"/>	Apr	<input checked="" type="checkbox"/>	May	<input type="checkbox"/>	Jun	<input type="checkbox"/>	Jul	<input type="checkbox"/>	Aug	<input type="checkbox"/>	Sep	<input type="checkbox"/>	Oct	<input type="checkbox"/>	Nov	<input checked="" type="checkbox"/>	Dec
Venting	<input type="checkbox"/>	Jan	<input type="checkbox"/>	Feb	<input type="checkbox"/>	Mar	<input checked="" type="checkbox"/>	Apr	<input checked="" 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

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
	PM	80	80	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
	PM	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
	PM	68	68	68	68	68	68	68	68	68	68	68	66
Heating (WEH)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	66

MASS

Mass Type	Area	Thickness	Furniture Fraction	Space
Default(8 lbs/sq.ft.)	0 ft ²	0 ft	0.3	Main

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 90

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

, Lake City, FL, 32055

1. New construction or existing	New (From Plans)		10. Wall Type and Insulation	Insulation	Area
2. Single family or multiple family	Detached		a. Frame - Wood, Exterior	R=13.0	3148.50 ft ²
3. Number of units, if multiple family	1		b. Frame - Wood, Adjacent	R=13.0	450.00 ft ²
4. Number of Bedrooms	4		c. N/A	R=	ft ²
5. Is this a worst case?	No		d. N/A	R=	ft ²
6. Conditioned floor area (ft ²)	2797		11. Ceiling Type and insulation level	Insulation	Area
7. Windows**	Description	Area	a. Under Attic (Vented)	R=38.0	2937.00 ft ²
a. U-Factor:	Dbl, U=0.36	398.00 ft ²	b. N/A	R=	ft ²
SHGC:	SHGC=0.25		c. N/A	R=	ft ²
b. U-Factor:	N/A	ft ²	12. Ducts, location & insulation level	R	ft ²
SHGC:			a. Sup: Attic, Ret: Attic, AH: Attic	6	699.25
c. U-Factor:	N/A	ft ²	13. Cooling systems	kBtu/hr	Efficiency
SHGC:			a. Central Unit	21.0	SEER:14.00
d. U-Factor:	N/A	ft ²	14. Heating systems	kBtu/hr	Efficiency
SHGC:			a. Electric Heat Pump	31.9	HSPF:8.20
Area Weighted Average Overhang Depth:		6.108 ft.	15. Hot water systems		Cap: 1 gallons
Area Weighted Average SHGC:		0.250	a. Electric		EF: 0.92
8. Skylights	Description	Area	b. Conservation features		None
a. U-Factor(AVG):	N/A	ft ²			
SHGC(AVG):	N/A		Credits (Performance method)		CV, Pstat
9. Floor Types	Insulation	Area			
a. Slab-On-Grade Edge Insulation	R=0.0	2331.00 ft ²			
b. Floor over Garage	R=19.0	466.00 ft ²			
c. N/A	R=	ft ²			

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: _____



*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.

Envelope Leakage Test Report (Blower Door Test)

Residential Prescriptive, Performance or ERI Method Compliance

2020 Florida Building Code, Energy Conservation, 7th Edition

Jurisdiction:	Permit #:
---------------	-----------

Job Information

Builder: IC Construction, LLC.	Community:	Lot: 9, Blk B
--------------------------------	------------	---------------

Address:

City: Lake City	State: FL	Zip: 32055
-----------------	-----------	------------

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 R405-2020 (Performance) or R406-2020 (ERI), section labeled as infiltration, sub-section ACH50. ACH(50) specified on Form R405-2020-Energy Calc (Performance) or R406-2020 (ERI): 5.000

$\frac{\text{CFM}(50)}{\text{Building Volume}} \times 60 \div 27504 = \text{ACH}(50)$ <div style="text-align: center; margin-top: 10px;"> <input type="checkbox"/> PASS </div> <p><input type="checkbox"/> When ACH(50) is less than 3, Mechanical Ventilation installation must be verified by building department.</p>	<p>Method for calculating building volume:</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>
---	--

R402.4.1.2 Testing. 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 (*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.

Testing Company

Company Name: _____ Phone: _____

I hereby verify that the above Air Leakage results are in accordance with the 2020 7th 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: _____