

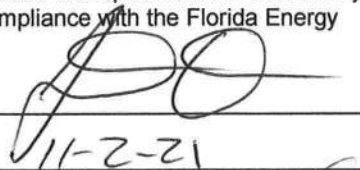
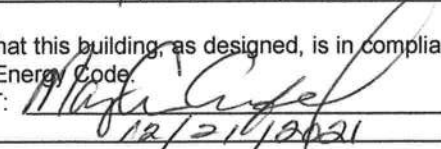
FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Johnson Residence Street: City, State, Zip: , FL, Owner: Design Location: FL, Gainesville		Builder Name: Permit Office: Permit Number: Jurisdiction: 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 (ft²) 2186 Conditioned floor area below grade (ft²) 0 7. Windows(355.3 sqft.) Description Area a. U-Factor: Dbl, U=0.33 355.33 ft² SHGC: SHGC=0.22 b. U-Factor: N/A ft² SHGC: N/A c. U-Factor: N/A ft² SHGC: Area Weighted Average Overhang Depth: 9.501 ft Area Weighted Average SHGC: 0.220 8. Skylights Description Area U-Factor:(AVG) N/A N/A ft² SHGC(AVG): N/A 9. Floor Types Insulation Area a. Slab-On-Grade Edge Insulation R= 0.0 2186.00 ft² b. N/A R= ft² c. N/A R= ft²	10. Wall Types(1964.0 sqft.) Insulation Area a. Frame - Wood, Exterior R=13.0 1721.00 ft² b. Frame - Wood, Adjacent R=13.0 243.00 ft² c. N/A R= ft² d. N/A R= ft² 11. Ceiling Types(2186.0 sqft.) Insulation Area a. Under Attic (Vented) R=30.0 2186.00 ft² b. N/A R= ft² c. N/A R= ft² 12. Ducts, location & insulation level R ft² a. a. Sup: Attic, Ret: Attic, AH: Main 8 430.8 b. c. 13. Cooling Systems kBtu/hr Efficiency a. Central Unit 36.0 SEER:15.00 14. Heating Systems kBtu/hr Efficiency a. Electric Heat Pump 36.0 HSPF:8.50 15. Hot Water Systems a. Electric Cap: 50 gallons EF: 0.920 b. Conservation features None CF, Pstat 16. Credits
---	---

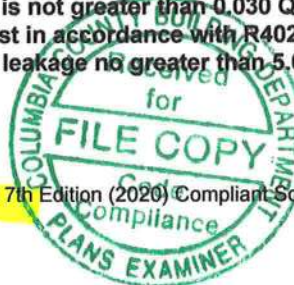
Glass/Floor Area: 0.163	Total Proposed Modified Loads: 47.20	PASS
	Total Baseline Loads: 55.46	

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY:  DATE: 11-2-21 I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. OWNER/AGENT:  DATE: 12/21/2021	Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes. BUILDING OFFICIAL: _____ DATE: _____
---	---

- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.3.2.1.

- Compliance with a proposed duct leakage Qn requires a PERFORMANCE Duct Leakage Test Report confirming duct leakage to outdoors, tested in accordance with ANSI/RESNET/ICC 380, is not greater than 0.030 Qn for whole house.

- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1, and this project requires a PERFORMANCE envelope leakage test report with envelope leakage no greater than 5.00 ACH50 (R402.4.4.2).



INPUT SUMMARY CHECKLIST REPORT

PROJECT													
Title: Johnson Residence		Bedrooms: 3		Address type: Lot									
Building Type: User		Conditioned Area: 2186		Lot #:									
Owner:		Total Stories: 1		Block/SubDivision:									
Builder Name:		Worst Case: No		PlatBook:									
Permit Office:		Rotate Angle: 0		Street:									
Jurisdiction:		Cross Ventilation:		County: Columbia									
Family Type: Detached		Whole House Fan:		City, State, Zip: FL,									
New/Existing: New (From Plans)		Terrain: Suburban											
Year Construct: 2022		Shielding: Suburban											
Comment:													
CLIMATE													
☒	Design Location	Tmy Site	Design Temp 97.5%	Design Temp 2.5%	Int Design Temp Winter	Int Design Temp Summer	Heating Degree Days	Design Moisture	Daily temp Range				
	FL, Gainesville	FL_GAINESVILLE_REGIONA	32	92	70	75	1305.5	51	Medium				
BLOCKS													
☒	Number	Name	Area	Volume									
	1	Block1	2186	19674									
SPACES													
☒	Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Finished	Cooled	Heated			
	1	Main	2186	19674	Yes	6	3	Yes	Yes	Yes			
FLOORS (Total Exposed Area = 2186 sq.ft.)													
☒	#	Floor Type	Space	Exposed Perim	Perimeter R-Value	Area	U-Factor	Joist R-Value	Tile	Wood	Carpet		
	1	Slab-On-Grade Edge Ins	Main	217	0	2186 ft	0.600	---	0.33	0.33	0.34		
ROOF													
☒	#	Type	Materials	Roof Area	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
	1	Hip	Wood shingle	2444 ft²	0 ft²	Dark	N	0.9	No	0.9	No	0	26.57
ATTIC													
☒	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC						
	1	Full attic	Vented	300	2186 ft²	N	N						
CEILING (Total Exposed Area = 2186 sq.ft.)													
☒	#	Ceiling Type	Space	R-Value	Ins. Type	Area	U-Factor	Framing Frac.	Truss Type				
	1	Under Attic(Vented)	Main	30.0	Blown	2186.0ft²	0.053	0.11	Wood				

INPUT SUMMARY CHECKLIST REPORT

WALLS															(Total Exposed Area = 1964 sq.ft.)			
✓ #	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	In	Height Ft	In	Area sq.ft.	U-Factor	Sheath R-Value	Frm. Frac.	Solar Absor.	Below Grade			
___ 1	N	Exterior	Frame - Wood	Main	13.0	28.0	0	9.0	0	252.0	0.087	0.625	0.23	0.75	0 %			
___ 2	W	Exterior	Frame - Wood	Main	13.0	11.0	0	10.0	0	110.0	0.087	0.625	0.23	0.75	0 %			
___ 3	N	Exterior	Frame - Wood	Main	13.0	26.0	8	9.0	0	240.0	0.087	0.625	0.23	0.75	0 %			
___ 4	E	Exterior	Frame - Wood	Main	13.0	42.0	0	9.0	0	378.0	0.087	0.625	0.23	0.75	0 %			
___ 5	S	Garage	Frame - Wood	Main	13.0	21.0	4	9.0	0	192.0	0.087	0.625	0.23	0.75	0 %			
___ 6	E	Garage	Frame - Wood	Main	13.0	5.0	8	9.0	0	51.0	0.087	0.625	0.23	0.75	0 %			
___ 7	S	Exterior	Frame - Wood	Main	13.0	11.0	4	9.0	0	102.0	0.087	0.625	0.23	0.75	0 %			
___ 8	W	Exterior	Frame - Wood	Main	13.0	6.0	0	9.0	0	54.0	0.087	0.625	0.23	0.75	0 %			
___ 9	S	Exterior	Frame - Wood	Main	13.0	5.0	8	9.0	0	51.0	0.087	0.625	0.23	0.75	0 %			
___ 10	E	Exterior	Frame - Wood	Main	13.0	6.0	0	9.0	0	54.0	0.087	0.625	0.23	0.75	0 %			
___ 11	S	Exterior	Frame - Wood	Main	13.0	16.0	4	9.0	0	147.0	0.087	0.625	0.23	0.75	0 %			
___ 12	W	Exterior	Frame - Wood	Main	13.0	37.0	0	9.0	0	333.0	0.087	0.625	0.23	0.75	0 %			

DOORS											(Total Exposed Area = 40 sq.ft.)		
✓ #	Ornt	Adjacent To	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area		
___ 1	S	Garage	Insulated	Main	None	0.40	3.00	0	6.00	8	20.0ft²		
___ 2	S	Exterior	Insulated	Main	None	0.40	3.00	0	6.00	8	20.0ft²		

WINDOWS														(Total Exposed Area = 355 sq.ft.)		
✓ #	Ornt	Wall ID	Frame	Panels	NFRC	U-Factor	SHGC	Imp Storm	Area	Overhang		Interior Shade	Screening			
										Depth	Separation					
___ 1	N	1	Vinyl	Low-E Double	Yes	0.33	0.22	N N	54.0ft²	12.0 ft 6 in	1.0 ft 4 in	IECC 2012	None			
___ 2	N	1	Vinyl	Low-E Double	Yes	0.33	0.22	N N	63.0ft²	12.0 ft 6 in	1.0 ft 4 in	IECC 2012	None			
___ 3	W	2	Vinyl	Low-E Double	Yes	0.33	0.22	N N	40.0ft²	29.0 ft 6 in	1.0 ft 4 in	IECC 2012	None			
___ 4	N	3	Vinyl	Low-E Double	Yes	0.33	0.22	N N	63.0ft²	1.0 ft 6 in	1.0 ft 4 in	IECC 2012	None			
___ 5	N	3	Vinyl	Low-E Double	Yes	0.33	0.22	N N	15.0ft²	1.0 ft 6 in	1.0 ft 4 in	IECC 2012	None			
___ 6	E	4	Vinyl	Low-E Double	Yes	0.33	0.22	N N	3.0ft²	1.0 ft 6 in	1.0 ft 4 in	IECC 2012	None			
___ 7	E	4	Vinyl	Low-E Double	Yes	0.33	0.22	N N	15.0ft²	1.0 ft 6 in	1.0 ft 4 in	IECC 2012	None			
___ 8	E	4	Vinyl	Low-E Double	Yes	0.33	0.22	N N	12.0ft²	1.0 ft 6 in	1.0 ft 4 in	IECC 2012	None			
___ 9	S	7	Vinyl	Low-E Double	Yes	0.33	0.22	N N	18.0ft²	7.0 ft 6 in	1.0 ft 4 in	IECC 2012	None			
___ 10	S	9	Vinyl	Low-E Double	Yes	0.33	0.22	N N	13.3ft²	13.0 ft 6 in	1.0 ft 4 in	IECC 2012	None			
___ 11	S	9	Vinyl	Low-E Double	Yes	0.33	0.22	N N	5.0ft²	13.0 ft 6 in	1.0 ft 4 in	IECC 2012	None			
___ 12	S	11	Vinyl	Low-E Double	Yes	0.33	0.22	N N	18.0ft²	7.0 ft 6 in	1.0 ft 4 in	IECC 2012	None			
___ 13	W	12	Vinyl	Low-E Double	Yes	0.33	0.22	N N	16.0ft²	1.0 ft 6 in	1.0 ft 4 in	IECC 2012	None			
___ 14	W	12	Vinyl	Low-E Double	Yes	0.33	0.22	N N	20.0ft²	1.0 ft 6 in	1.0 ft 4 in	IECC 2012	None			

INFILTRATION									
✓ #	Scope	Method	SLA	CFM50	ELA	EqLA	ACH	ACH50	Space(s)
___ 1	Wholehouse	Proposed ACH(50)	0.00029	1640	89.95	168.87	0.1027	5.0	All

GARAGE					
✓ #	Floor Area	Roof Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
___ 1	491 ft²	491 ft²	64 ft	8 ft	1

INPUT SUMMARY CHECKLIST REPORT

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

HEATING SYSTEM										
✓ #	System Type	Subtype/Speed	AHRI #	Efficiency	Capacity kBtu/hr	---Geothermal HeatPump---		Ducts	Block	
						Entry	Power	Volt	Current	
___ 1	Electric Heat Pump	None/Single		HSPF: 8.50	36.0		0.00	0.00	0.00	sys#1 1

COOLING SYSTEM									
✓ #	System Type	Subtype/Speed	AHRI #	Efficiency	Capacity kBtu/hr	Air Flow cfm	SHR	Duct	Block
___ 1	Central Unit	None/Single		SEER:15.0	36.0	1080	0.80	sys#1	1

HOT WATER SYSTEM										
✓ #	System Type	Subtype	Location	EF(UEF)	Cap	Use	SetPnt	Fixture Flow	Pipe Ins.	Pipe length
___ 1	Electric	None	Garage	0.92 (0.92)	50.00 gal	60 gal	120 deg	Standard	None	103
	Recirculation System	Recirc Control Type	Loop length	Branch length	Pump power	DWHR	Facilities Connected	Equal Flow	DWHR Eff	Other Credits
___ 1	No		NA	NA	NA	No	NA	NA	NA	None

DUCTS													
✓ Duct #	Location	Supply R-Value	Area	Return R-Value	Area	Leakage Type	Air Handler	CFM 25 TOT	CFM 25 OUT	QN	RLF	HVAC # Heat Cool	
___ 1	Attic	8.0	431 ft²	Attic	8.0	108 ft²	Prop. Leak Free	Main	---	---	0.03	0.60	1 1

TEMPERATURES													
Programable Thermostat: Y						Ceiling Fans: N							
Cooling	[] Jan	[] Feb	[] Mar	[] Apr	[] May	[X] Jun	[X] Jul	[X] Aug	[X] Sep	[] Oct	[] Nov	[] Dec	
Heating	[X] Jan	[X] Feb	[X] Mar	[] Apr	[] May	[] Jun	[] Jul	[] Aug	[] Sep	[] Oct	[X] Nov	[X] Dec	
Venting	[] Jan	[] Feb	[X] Mar	[X] Apr	[] May	[] Jun	[] Jul	[] Aug	[] Sep	[X] Oct	[X] Nov	[] Dec	
✓	Thermostat Schedule: HERS 2006 Reference												
Schedule Type	1	2	3	4	5	6	7	8	9	10	11	12	
___ Cooling (WD)	AM PM	78 80	78 80	78 78	78 78	78 78	78 78	78 78	78 78	80 78	80 78	80 78	80 78
___ Cooling (WEH)	AM PM	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78
___ Heating (WD)	AM PM	66 68	66 68	66 68	66 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	68 66
___ Heating (WEH)	AM PM	66 68	66 68	66 68	66 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	68 66

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 85

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

„FL,

1. New construction or existing	New (From Plans)	10. Wall Types(1964.0 sqft.)	Insulation	Area
2. Single family or multiple family	Detached	a. Frame - Wood, Exterior	R=13.0	1721.00 ft ²
3. Number of units, if multiple family	1	b. Frame - Wood, Adjacent	R=13.0	243.00 ft ²
4. Number of Bedrooms	3	c. N/A	R=	ft ²
5. Is this a worst case?	No	d. N/A	R=	ft ²
6. Conditioned floor area above grade (ft ²)	2186	11. Ceiling Types(2186.0 sqft.)	Insulation	Area
Conditioned floor area below grade (ft ²)	0	a. Under Attic (Vented)	R=30.0	2186.00 ft ²
7. Windows**	Description	b. N/A	R=	ft ²
a. U-Factor:	Dbl, U=0.33	c. N/A	R=	ft ²
SHGC:	SHGC=0.22	12. Ducts, location & insulation level	R	ft ²
b. U-Factor:	N/A	a. a. Sup: Attic, Ret: Attic, AH: Main	8	430.8
SHGC:	N/A	b.		
c. U-Factor:	N/A	c.		
SHGC:		13. Cooling Systems	kBtu/hr	Efficiency
Area Weighted Average Overhang Depth:	9.501 ft	a. Central Unit	36.0	SEER:15.00
Area Weighted Average SHGC:	0.220	14. Heating Systems	kBtu/hr	Efficiency
8. Skylights	Description	a. Electric Heat Pump	36.0	HSPF:8.50
U-Factor:(AVG)	N/A	15. Hot Water Systems		
SHGC(AVG):	N/A	a. Electric	Cap: 50 gallons	
9. Floor Types	Insulation		EF: 0.920	
a. Slab-On-Grade Edge Insulation	R= 0.0	b. Conservation features		
b. N/A	R=			
c. N/A	R=	16. Credits		None
				CF, Pstat

I certify that this home has complied with the Florida Energy Efficiency Code for Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature:

Stanley Crawford

Date:

12/21/2021

Address of New Home:

290 Baron Pl

City/FL Zip:

St White
32038



*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.

