

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

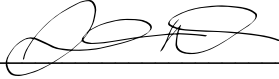
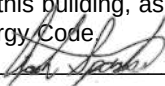
Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Anderson Residence Street: City, State, Zip: , FL, Owner: Design Location: FL, Gainesville	Builder Name: Sparks Construction Permit Office: Permit Number: Jurisdiction: County: Columbia(Florida Climate Zone 2)
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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 2 5. Is this a worst case? No 6. Conditioned floor area above grade (ft²) 2680 Conditioned floor area below grade (ft²) 0 7. Windows(538.0 sqft.) Description Area a. U-Factor: Dbl, U=0.22 538.00 ft² SHGC: SHGC=0.33 b. U-Factor: N/A ft² SHGC: c. U-Factor: N/A ft² SHGC: Area Weighted Average Overhang Depth: 1.333 ft Area Weighted Average SHGC: 0.330 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 2680.00 ft² b. N/A R= ft² c. N/A R= ft²	10. Wall Types(2253.3 sqft.) Insulation Area a. Frame - Wood, Exterior R=19.0 2253.30 ft² b. N/A c. N/A d. N/A 11. Ceiling Types(2680.0 sqft.) Insulation Area a. Roof Deck (Unvented) R=0.0 2680.00 ft² b. N/A c. N/A 12. Roof(Comp. Shingles, Unvent) Deck R=0.0 3350 ft² 13. Ducts, location & insulation level R ft² a. Sup: Main, Ret: Main, AH: Main 6 536 b. c. 14. Cooling Systems kBtu/hr Efficiency a. Central Unit 48.0 SEER2:15.00 15. Heating Systems kBtu/hr Efficiency a. Electric Heat Pump 48.0 HSPF2:8.00 16. Hot Water Systems a. PropaneTankless Cap: 1 gallons EF: 0.590 b. Conservation features None 17. Credits CF, Pstat
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Glass/Floor Area: 0.201	Total Proposed Modified Loads: 60.32	PASS
	Total Baseline Loads: 64.67	

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

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY:  DATE: 5-13-26 I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. OWNER/AGENT:  DATE: 5/18/26	Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.  BUILDING OFFICIAL: _____ DATE: _____
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- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.3.2.1.
- Compliance with a proposed duct leakage Qn requires a PERFORMANCE Duct Leakage Test Report confirming duct leakage to outdoors, tested in accordance with ANSI/RESNET/ICC 380, is not greater than 0.030 Qn for whole house.
- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires a PERFORMANCE envelope leakage test report with envelope leakage no greater than 6.00 ACH50 (R402.4.1.2).

INPUT SUMMARY CHECKLIST REPORT

PROJECT

Title:	AndersonResidence	Bedrooms:	2	Address type:	Street Address
Building Type:	User	Conditioned Area:	2680	Lot #:	---
Owner:		Total Stories:	1	Block/SubDivision:	---
Builder Home ID:		Worst Case:	No	PlatBook:	---
Builder Name:	Sparks Construction	Rotate Angle:	0	Street:	
Permit Office:		Cross Ventilation:		County:	Columbia
Jurisdiction:		Whole House Fan:		City, State, Zip:	, FL,
Family Type:	Detached	Terrain:	Rural		
New/Existing:	New (From Plans)	Shielding:	Moderate/Rural		
Year Construct:	2026				
Comment:					

CLIMATE

✓ Design Location	Tmy Site	Design Temp 97.5% 2.5%	Int Design Temp Winter Summer	Heating Degree Days	Design Moisture	Daily temp Range
___ FL, Gainesville	FL_GAINESVILLE_REGIONA	32 92	70 75	1305.5	51	Medium

BLOCKS

✓ Number	Name	Area	Volume
___ 1	Block1	2680	26800 cu ft

SPACES

✓ Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Finished	Cooled	Heated
___ 1	Main	2680	26800	Yes	4	2	Yes	Yes	Yes

FLOORS

(Total Exposed Area = 2680 sq.ft.)

✓ #	Floor Type	Space	Exposed Perim(ft)	Area	R-Value Perim. Joist	U-Factor	SlabInsul. Vert/Horiz	Tile	Wood	Carpet
___ 1	Slab-On-Grade Edge Ins	Main	225	2680 sqft	0.0 ---	0.563	0 (ft)/0 (ft)	0.20	0.60	0.20

ROOF

✓ #	Type	Materials	Roof Area	Gable Area	Framing. Fract.	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt Tested	Emitt Tested	Deck Insul.	Pitch (deg)
___ 1	Gable or shed	Composition shingles	3350 ft²	1006 ft²	0.11	Dark	N	0.92	No	0.9	No	0	36.87

ATTIC

✓ #	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
___ 1	Fullattic	Unvented	0	2680 ft²	N	N

CEILING

(Total Exposed Area = 2680 sq.ft.)

✓ #	Ceiling Type	Space	R-Value	Ins. Type	Area	U-Factor	FramingFrac.	Truss Type
___ 1	Flat ceiling under attic(Unvented)	Main	30.0	Blown	2680.0ft²	0.030	0.11	Wood

INPUT SUMMARY CHECKLIST REPORT

WALLS															(Total Exposed Area = 2253 sq.ft.)			
✓ #	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	In	Height Ft	In	Area sq.ft.	U-Factor	Sheath R-Value	Frm. Frac.	Solar Absor.	Below Grade			
___ 1	N	Exterior	Frame - Wood	Main	19.0	19.0	4	10.0	0	193.3	0.061		0.23	0.75	0.0 %			
___ 2	E	Exterior	Frame - Wood	Main	19.0	4.0	0	10.0	0	40.0	0.061		0.23	0.75	0.0 %			
___ 3	N	Exterior	Frame - Wood	Main	19.0	19.0	4	10.0	0	193.3	0.061		0.23	0.75	0.0 %			
___ 4	W	Exterior	Frame - Wood	Main	19.0	4.0	0	10.0	0	40.0	0.061		0.23	0.75	0.0 %			
___ 5	N	Exterior	Frame - Wood	Main	19.0	19.0	4	10.0	0	193.3	0.061		0.23	0.75	0.0 %			
___ 6	E	Exterior	Frame - Wood	Main	19.0	44.0	4	10.0	0	443.3	0.061		0.23	0.75	0.0 %			
___ 7	S	Exterior	Frame - Wood	Main	19.0	58.0	0	10.0	0	580.0	0.061		0.23	0.75	0.0 %			
___ 8	W	Exterior	Frame - Wood	Main	19.0	8.0	0	10.0	0	80.0	0.061		0.23	0.75	0.0 %			
___ 9	S	Exterior	Frame - Wood	Main	19.0	6.0	4	10.0	0	63.3	0.061		0.23	0.75	0.0 %			
___ 10	W	Exterior	Frame - Wood	Main	19.0	29.0	4	10.0	0	293.3	0.061		0.23	0.75	0.0 %			
___ 11	N	Exterior	Frame - Wood	Main	19.0	6.0	4	10.0	0	63.3	0.061		0.23	0.75	0.0 %			
___ 12	W	Exterior	Frame - Wood	Main	19.0	7.0	0	10.0	0	70.0	0.061		0.23	0.75	0.0 %			

DOORS												(Total Exposed Area = 168 sq.ft.)		
✓ #	Ornt	Adjacent To	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area			
___ 1	N	Exterior	Insulated	Main	None	0.46	6.00	0	8.00	0	48.0ft²			
___ 2	E	Exterior	Insulated	Main	None	0.46	3.00	0	8.00	0	24.0ft²			
___ 3	S	Exterior	Insulated	Main	None	0.46	6.00	0	8.00	0	48.0ft²			
___ 4	S	Exterior	Insulated	Main	None	0.46	6.00	0	8.00	0	48.0ft²			

WINDOWS																	(Total Exposed Area = 538 sq.ft.)		
✓ #	Ornt	Wall ID	Frame	Panes	NFRC U-Factor	SHGC	Imp	Storm	Total Area (ft²)	Same Units	Width (ft)	Height (ft)	--Overhang-- Depth (ft)	Sep. (ft)	Interior Shade	Screen			
___ 1	N	1	Vinyl	Low-E Double	Y	0.22	0.33	N	N	72.0	4	3.00	6.00	1.3	7.5	None	None		
___ 2	N	3	Vinyl	Low-E Double	Y	0.22	0.33	N	N	36.0	2	3.00	6.00	1.3	13.5	None	None		
___ 3	N	3	Vinyl	Low-E Double	Y	0.22	0.33	N	N	20.0	2	3.00	3.33	1.3	13.5	None	None		
___ 4	N	3	Vinyl	Low-E Double	Y	0.22	0.33	N	N	46.0	1	6.00	7.67	1.3	13.5	None	None		
___ 5	N	5	Vinyl	Low-E Double	Y	0.22	0.33	N	N	72.0	4	3.00	6.00	1.3	7.5	None	None		
___ 6	E	6	Vinyl	Low-E Double	Y	0.22	0.33	N	N	24.0	2	2.00	6.00	1.3	1.5	None	None		
___ 7	E	6	Vinyl	Low-E Double	Y	0.22	0.33	N	N	36.0	4	2.00	4.50	1.3	1.5	None	None		
___ 8	S	7	Vinyl	Low-E Double	Y	0.22	0.33	N	N	18.0	2	2.00	4.50	1.3	7.5	None	None		
___ 9	S	7	Vinyl	Low-E Double	Y	0.22	0.33	N	N	18.0	1	4.00	4.50	1.3	7.5	None	None		
___ 10	S	7	Vinyl	Low-E Double	Y	0.22	0.33	N	N	72.0	4	3.00	6.00	1.3	7.5	None	None		
___ 11	S	7	Vinyl	Low-E Double	Y	0.22	0.33	N	N	20.0	2	3.00	3.33	1.3	7.5	None	None		
___ 12	S	7	Vinyl	Low-E Double	Y	0.22	0.33	N	N	46.0	1	6.00	7.67	1.3	7.5	None	None		
___ 13	S	9	Vinyl	Low-E Double	Y	0.22	0.33	N	N	20.0	2	2.00	5.00	1.3	1.5	None	None		
___ 14	W	10	Vinyl	Low-E Double	Y	0.22	0.33	N	N	20.0	2	2.00	5.00	1.3	1.5	None	None		
___ 15	W	10	Vinyl	Low-E Double	Y	0.22	0.33	N	N	18.0	2	2.00	4.50	1.3	1.5	None	None		

INFILTRATION										
✓ #	Scope	Method	SLA	CFM50	ELA	EqLA	ACH	ACH50	Space(s)	Infiltration Test Volume
___ 1	Wholehouse	Proposed ACH(50)	0.00038	2680	147.03	276.04	0.1285	6.0	All	26800 cu ft

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

INPUT SUMMARY CHECKLIST REPORT

HEATING SYSTEM													
✓	#	System Type	Subtype/Speed		AHRI #	Efficiency	Capacity kBtu/hr	---GeothermalHeatPump---		Ducts	Block		
								Entry	Power	Volt	Current		
	1	Electric Heat Pump	None/Single			HSPF2: 8.00	48.0		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			SEER2:15.0	48.0	1440		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	Propane	Tankless	Exterior	0.59 (0.59)	1.0 gal	50 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	Main	6.0	536 ft²	Main	6.0	134 ft²	Prop. Leak Free	Main	--- ---	0.030	Yes	0.50 1 1
TEMPERATURES													
Programable Thermostat: Y													
Cooling ☐ Jan ☐ Feb ☐ Mar ☐ Apr ☐ May ☒ Jun ☒ Jul ☒ Aug ☒ Sep ☐ Oct ☐ Nov ☐ Dec													
Heating ☒ Jan ☒ Feb ☒ Mar ☐ Apr ☐ May ☐ Jun ☐ Jul ☐ Aug ☐ Sep ☐ Oct ☒ Nov ☒ Dec													
Venting ☐ Jan ☐ Feb ☒ Mar ☒ Apr ☐ May ☐ Jun ☐ Jul ☐ Aug ☐ Sep ☒ Oct ☒ Nov ☐ Dec													
Ceiling Fans: N													
✓	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 80	78 80	78 78	78 78	78 78	78 78	80 78	80 78	80 78
	Cooling (WEH)	AM PM	78 80	78 80	78 80	78 80	78 78	78 78	78 78	78 78	80 78	80 78	80 78
	Heating (WD)	AM PM	65 68	65 68	65 68	65 68	65 68	65 68	65 68	68 68	68 68	68 68	68 68
	Heating (WEH)	AM PM	65 68	65 68	65 68	65 68	65 68	65 68	65 68	68 68	68 68	68 68	68 68