

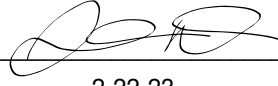
FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Scott & Kim Morris Street: City, State, Zip: , FL, Owner: Design Location: FL, Gainesville	Builder Name: 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 4 5. Is this a worst case? No 6. Conditioned floor area above grade (ft²) 2189 Conditioned floor area below grade (ft²) 0 7. Windows(324.0 sqft.) Description Area a. U-Factor: Dbl, U=0.26 324.00 ft² SHGC: SHGC=0.20 b. U-Factor: N/A ft² SHGC: c. U-Factor: N/A ft² SHGC: Area Weighted Average Overhang Depth: 1.500 ft Area Weighted Average SHGC: 0.200 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 2189.00 ft² b. N/A R= ft² c. N/A R= ft²	10. Wall Types(3360.0 sqft.) Insulation Area a. Frame - Wood, Exterior R=13.0 2426.70 ft² b. Frame - Wood, Adjacent R=13.0 933.33 ft² c. N/A d. N/A 11. Ceiling Types(2189.0 sqft.) Insulation Area a. Flat ceiling under att (Unvented) R=30.0 2189.00 ft² b. N/A c. N/A 12. Roof(Comp. Shingles, Vented) Deck R=0.0 2534 ft² 13. Ducts, location & insulation level R ft² a. Sup: Attic, Ret: Attic, AH: Garage 6 438 b. c. 14. Cooling Systems kBtu/hr Efficiency a. Central Unit 48.0 SEER:15.00 15. Heating Systems kBtu/hr Efficiency a. Electric Heat Pump 48.0 HSPF:8.50 16. Hot Water Systems a. Propane Cap: 50 gallons EF: 0.590 b. Conservation features None 17. Credits CF, Pstat
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Glass/Floor Area: 0.148	Total Proposed Modified Loads: 66.58	PASS
	Total Baseline Loads: 69.09	

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY:  DATE: 2-22-23 I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. OWNER/AGENT: _____ DATE: _____	Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.  BUILDING OFFICIAL: _____ DATE: _____
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- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.3.2.1.
- 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 4.72 ACH50 (R402.4.1.2).

INPUT SUMMARY CHECKLIST REPORT

PROJECT													
Title:		Scott & Kim Morris			Address type:		Street Address						
Building Type:		User			Bedrooms:		4						
Owner:					Conditioned Area:		2189						
					Total Stories:		1						
Builder Name:					Worst Case:		No						
Permit Office:					Rotate Angle:		0						
Jurisdiction:					Cross Ventilation:								
Family Type:		Detached			Whole House Fan:		FL,						
New/Existing:		New (From Plans)			Terrain:		Rural						
Year Construct:		2023			Shielding:		Moderate/Rural						
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	2189	21890 cu ft									
SPACES													
✓	Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Finished	Cooled	Heated			
___	1	Main	2189	21890	Yes	8	4	Yes	Yes	Yes			
FLOORS (Total Exposed Area = 2189 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	287	0	2189 ft	0.563	---	0.20	0.60	0.20		
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	2534 ft²	638 ft²	Dark	N	0.92	No	0.9	No	0	30.26
ATTIC													
✓	#	Type	Ventilation	Vent Ratio (1 in)		Area	RBS	IRCC					
___	1	Full attic	Vented	300		2189 ft²	N	N					
CEILING (Total Exposed Area = 2189 sq.ft.)													
✓	#	Ceiling Type	Space	R-Value	Ins. Type	Area	U-Factor	Framing Frac.	Truss Type				
___	1	Flat ceiling under attic(Vented)	Main	30.0	Blown	2189.0ft²	0.053	0.11	Wood				

INPUT SUMMARY CHECKLIST REPORT

WALLS															(Total Exposed Area = 3360 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	25.0	4	10.0	0	253.3	0.094		0.23	0.75	0 %			
___ 2	E	Exterior	Frame - Wood	Main	13.0	13.0	2	10.0	0	131.7	0.094		0.23	0.75	0 %			
___ 3	N	Exterior	Frame - Wood	Main	13.0	12.0	0	10.0	0	120.0	0.094		0.23	0.75	0 %			
___ 4	E	Exterior	Frame - Wood	Main	13.0	12.0	0	10.0	0	120.0	0.094		0.23	0.75	0 %			
___ 5	N	Exterior	Frame - Wood	Main	13.0	24.0	4	10.0	0	243.3	0.094		0.23	0.75	0 %			
___ 6	W	Exterior	Frame - Wood	Main	13.0	12.0	0	10.0	0	120.0	0.094		0.23	0.75	0 %			
___ 7	N	Exterior	Frame - Wood	Main	13.0	12.0	8	10.0	0	126.7	0.094		0.23	0.75	0 %			
___ 8	E	Exterior	Frame - Wood	Main	13.0	14.0	4	10.0	0	143.3	0.094		0.23	0.75	0 %			
___ 9	N	Exterior	Frame - Wood	Main	13.0	4.0	2	10.0	0	41.7	0.094		0.23	0.75	0 %			
___ 10	E	Exterior	Frame - Wood	Main	13.0	11.0	6	10.0	0	115.0	0.094		0.23	0.75	0 %			
___ 11	S	Exterior	Frame - Wood	Main	13.0	4.0	2	10.0	0	41.7	0.094		0.23	0.75	0 %			
___ 12	E	Exterior	Frame - Wood	Main	13.0	14.0	0	10.0	0	140.0	0.094		0.23	0.75	0 %			
___ 13	S	Exterior	Frame - Wood	Main	13.0	15.0	0	10.0	0	150.0	0.094		0.23	0.75	0 %			
___ 14	W	Exterior	Frame - Wood	Main	13.0	7.0	0	10.0	0	70.0	0.094		0.23	0.75	0 %			
___ 15	S	Exterior	Frame - Wood	Main	13.0	3.0	0	10.0	0	30.0	0.094		0.23	0.75	0 %			
___ 16	E	Exterior	Frame - Wood	Main	13.0	1.0	0	10.0	0	10.0	0.094		0.23	0.75	0 %			
___ 17	S	Exterior	Frame - Wood	Main	13.0	28.0	0	10.0	0	280.0	0.094		0.23	0.75	0 %			
___ 18	W	Exterior	Frame - Wood	Main	13.0	1.0	0	10.0	0	10.0	0.094		0.23	0.75	0 %			
___ 19	S	Exterior	Frame - Wood	Main	13.0	3.0	0	10.0	0	30.0	0.094		0.23	0.75	0 %			
___ 20	S	Garage	Frame - Wood	Main	13.0	93.0	4	10.0	0	933.3	0.094		0.23	0.75	0 %			
___ 21	W	Exterior	Frame - Wood	Main	13.0	25.0	0	10.0	0	250.0	0.094		0.23	0.75	0 %			

DOORS												(Total Exposed Area = 60 sq.ft.)	
✓ #	Ornt	Adjacent To	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area		
___ 1	S	Exterior	Insulated	Main	None	0.40	5.00	0	8.00	0	40.0ft²		
___ 2	S	Garage	Insulated	Main	None	0.40	3.00	0	6.00	8	20.0ft²		

WINDOWS															(Total Exposed Area = 324 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	0.26	0.20	N	N	36.0	2	3.00	6.00	1.5	2.3	None	None
___ 2	N	3	Vinyl	Low-E Double	Y	0.26	0.20	N	N	36.0	2	3.00	6.00	1.5	2.3	None	None
___ 3	E	4	Vinyl	Low-E Double	Y	0.26	0.20	N	N	36.0	2	3.00	6.00	1.5	2.3	None	None
___ 4	N	5	Vinyl	Low-E Double	Y	0.26	0.20	N	N	18.0	1	3.00	6.00	1.5	2.3	None	None
___ 5	N	5	Vinyl	Low-E Double	Y	0.26	0.20	N	N	96.0	1	12.00	8.00	1.5	2.3	None	None
___ 6	N	7	Vinyl	Low-E Double	Y	0.26	0.20	N	N	18.0	1	3.00	6.00	1.5	2.3	None	None
___ 7	E	10	Vinyl	Low-E Double	Y	0.26	0.20	N	N	18.0	1	3.00	6.00	1.5	2.3	None	None
___ 8	S	13	Vinyl	Low-E Double	Y	0.26	0.20	N	N	18.0	1	3.00	6.00	1.5	2.3	None	None
___ 9	S	17	Vinyl	Low-E Double	Y	0.26	0.20	N	N	36.0	2	3.00	6.00	1.5	2.3	None	None
___ 10W		21	Vinyl	Low-E Double	Y	0.26	0.20	N	N	12.0	1	2.00	6.00	1.5	2.3	None	None

INFILTRATION										
✓ #	Scope	Method	SLA	CFM50	ELA	EqLA	ACH	ACH50	Space(s)	Infiltration Test Volume
___ 1	Wholehouse	Proposed ACH(50)	0.00030	1721	94.40	177.23	0.1010	4.7	All	21890 cu ft

INPUT SUMMARY CHECKLIST REPORT

GARAGE													
✓ #	Floor Area	Roof Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation								
___ 1	574 ft²	574 ft²	60 ft	10 ft	1								
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 Entry	Heat Pump Power	----	Volt	Current	Ducts	Block	
___ 1	Electric Heat Pump	None/Single		HSPF: 8.50	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		SEER:15.0	48.0	1440	0.85	sys#1	1				
HOT WATER SYSTEM													
✓ #	System Type	Subtype	Location	EF(UEF)	Cap	Use	SetPnt	Fixture Flow	Pipe Ins.	Pipe length			
___ 1	Propane	None	Exterior	0.59 (0.59)	50.00 gal	70 gal	120 deg	Standard	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 #	Location	-----Supply----- R-Value	Area	Location	-----Return----- R-Value	Area	Leakage Type	Air Handler	CFM 25 TOT	CFM 25 OUT	QN	RLF	HVAC # Heat Cool
___ 1	Attic	6.0	438 ft²	Attic	6.0	109 ft²	Default Leakage	Garage	(Default)	(Default)			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													
✓	Thermostat Schedule: HERS 2006 Reference												
	Schedule Type	1	2	3	4	5	6	7	8	9	10	11	12
___	Cooling (WD)	AM 80	78 80	78 80	78 80	78 80	78 80	78 80	78 80	78 80	80 78	80 78	80 78
___	Cooling (WEH)	AM 80	78 80	78 80	78 80	78 80	78 80	78 80	78 80	78 80	80 78	80 78	80 78

INPUT SUMMARY CHECKLIST REPORT**TEMPERATURES(Continued)**

___ Heating (WD)	AM	65	65	65	65	65	65	65	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68
___ Heating (WEH)	AM	65	65	65	65	65	65	65	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68