

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Ivey Model Street: City, State, Zip: , FL, Owner: James & Lori David Design Location: FL, Gainesville	Builder Name: Permit Office: Permit Number: Jurisdiction: County: Columbia(Florida Climate Zone 2)																																																																																														
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Glass/Floor Area: 0.054 Total Proposed Modified Loads: 37.63
 Total Baseline Loads: 40.01

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.

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY: _____ DATE: 8-25-25 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.
- 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 5.00 ACH50 (R402.4.1.2).

INPUT SUMMARY CHECKLIST REPORT**PROJECT**

Title:	Ivey Model	Address type:	Street Address		
Building Type:	User	Bedrooms:	6	Lot #:	---
Owner:	James & Lori David	Conditioned Area:	1380	Block/SubDivision:	---
Builder Home ID:		Total Stories:	1	PlatBook:	---
Builder Name:		Worst Case:	No	Street:	
Permit Office:		Rotate Angle:	0	County:	Columbia
Jurisdiction:		Cross Ventilation:		City, State, Zip:	, FL,
Family Type:	Detached	Whole House Fan:			
New/Existing:	New (From Plans)	Terrain:	Rural		
Year Construct:	2025	Shielding:	Moderate/Rural		
Comment:					

CLIMATE

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

BLOCKS

✓ Number	Name	Area	Volume
___ 1	Block1	1380	11040 cu ft

SPACES

✓ Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Finished	Cooled	Heated
___ 1	Main	1380	11040	Yes	6	6	Yes	Yes	Yes

FLOORS

(Total Exposed Area = 1380 sq.ft.)

✓ #	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	Main	106	1380 sqft	0.0	---	0.600	2 (ft)/0 (ft)	0.33	0.33	0.34

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	1598 ft²	402 ft²	0.11	Medium	N	0.85	No	0.9	No	0	30.26

ATTIC

✓ #	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
___ 1	Full attic	Vented	300	1380 ft²	N	N

CEILING

(Total Exposed Area = 1380 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	1380.0ft²	0.053	0.11	Wood

INPUT SUMMARY CHECKLIST REPORT

WALLS (Total Exposed Area = 1216 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	46.0	0	8.0	0	368.0	0.087	0.625	0.23	0.75	0 %
___ 2	E	Exterior	Frame - Wood	Main	13.0	30.0	0	8.0	0	240.0	0.087	0.625	0.23	0.75	0 %
___ 3	S	Exterior	Frame - Wood	Main	13.0	46.0	0	8.0	0	368.0	0.087	0.625	0.23	0.75	0 %
___ 4	W	Exterior	Frame - Wood	Main	13.0	10.0	0	8.0	0	80.0	0.087	0.625	0.23	0.75	0 %
___ 5	W	Garage	Frame - Wood	Main	13.0	20.0	0	8.0	0	160.0	0.084		0.23	0.75	0 %

DOORS (Total Exposed Area = 80 sq.ft.)											
✓ #	Ornt	Adjacent To	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area
___ 1	N	Exterior	Insulated	Main	None	0.40	6.00	0	6.00	8	40.0ft²
___ 2	S	Exterior	Insulated	Main	None	0.40	3.00	0	6.00	8	20.0ft²
___ 3	W	Garage	Insulated	Main	None	0.46	3.00	0	6.00	8	20.0ft²

WINDOWS (Total Exposed Area = 75 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	15.0	1	3.00	5.00	1.5	2.3	None	None
___ 2	N	1	Vinyl	Low-E Double	Y 0.26	0.20	N	N	9.0	1	3.00	3.00	1.5	2.3	None	None
___ 3	E	2	Vinyl	Low-E Double	Y 0.26	0.20	N	N	6.0	1	2.00	3.00	1.5	2.3	None	None
___ 4	S	3	Vinyl	Low-E Double	Y 0.26	0.20	N	N	45.0	3	3.00	5.00	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)	0.00025	920	50.47	94.76	0.0980	5.0	All	11040 cu ft

GARAGE									
✓ #	Floor Area	Length	Width	Roof Area	Exposed Perimeter	Area Under Uncond.	Avg. Wall Height	Exposed Wall Insulation	
___ 1	400 ft²	20.0 ft²	20.0 ft²	400 ft²	60 ft	400 ft	8 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 HeatPump---- Entry Power Volt	Current	Ducts	Block	
___ 1	Electric Heat Pump	None/Single		HSPF2: 7.50	36.0	0.00	0.00	0.00	sys#1	1

INPUT SUMMARY CHECKLIST REPORT

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	36.0	1080	0.85	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	Main	0.92 (0.92)	50.0 gal	90 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	RLF	HVAC # Heat Cool
___ 1	Attic	6.0	276 ft²	Attic	6.0	69 ft²	Prop. Leak Free	Main	--- ---	0.030	Yes	0.50	1 1

TEMPERATURES

Programable Thermostat: Y Ceiling Fans: N
 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 Type	HERS 2006 Reference Hours												
	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	80
	PM 80	80	80	80	80	80	80	80	80	78	78	78	78
___ Cooling (WEH)	AM 78	78	78	78	78	78	78	78	78	80	80	80	80
	PM 80	80	80	80	80	80	80	80	80	78	78	78	78
___ Heating (WD)	AM 65	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	68
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