

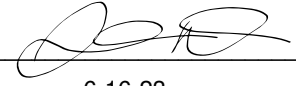
FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Rose Point Lot 27 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 3 5. Is this a worst case? No 6. Conditioned floor area above grade (ft²) 1320 Conditioned floor area below grade (ft²) 0 7. Windows(144.3 sqft.) Description Area a. U-Factor: Dbl, U=0.26 144.33 ft² SHGC: SHGC=0.20 b. U-Factor: N/A ft² SHGC: c. U-Factor: N/A ft² SHGC: Area Weighted Average Overhang Depth: 3.382 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 1320.00 ft² b. N/A R= ft² c. N/A R= ft²	10. Wall Types(1589.3 sqft.) Insulation Area a. Frame - Wood, Exterior R=13.0 1370.30 ft² b. Frame - Wood, Adjacent R=13.0 219.00 ft² c. N/A d. N/A 11. Ceiling Types(1320.0 sqft.) Insulation Area a. Flat ceiling under att (Vented) R=30.0 1320.00 ft² b. N/A c. N/A 12. Roof(Comp. Shingles, Vented) Deck R=0.0 1476 ft² 13. Ducts, location & insulation level R ft² a. Sup: Attic, Ret: Attic, AH: Garage 6 264 b. c. 14. Cooling Systems kBtu/hr Efficiency a. Central Unit 30.0 SEER2:15.00 15. Heating Systems kBtu/hr Efficiency a. Electric Heat Pump 30.0 HSPF2:8.50 16. Hot Water Systems a. Electric Cap: 50 gallons EF: 0.920 b. Conservation features None 17. Credits CF, Pstat
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Glass/Floor Area: 0.109	Total Proposed Modified Loads: 36.91	PASS
	Total Baseline Loads: 39.55	

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY:  DATE: 6-16-23 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 5.00 ACH50 (R402.4.1.2).

INPUT SUMMARY CHECKLIST REPORT

PROJECT																								
Title:	Rose Point Lot 27				Address type:		Lot																	
Building Type:	User				Bedrooms:	3		Lot #:	27															
Owner:					Conditioned Area:	1320		Block/SubDivision:	Rose Point															
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:	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		1320		11880 cu ft																			
SPACES																								
✓ Number	Name		Area		Volume		Kitchen		Occupants		Bedrooms		Finished		Cooled		Heated							
___ 1	Main		1320		11880		Yes		6		3		Yes		Yes		Yes							
FLOORS (Total Exposed Area = 1320 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		176		0		1320 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	Hip		Composition shingles		1476 ft²		0 ft²		Medium		N		0.85		No		0.9		No		0		26.57	
ATTIC																								
✓ #	Type		Ventilation		Vent Ratio (1 in)		Area		RBS		IRCC													
___ 1	Full attic		Vented		300		1320 ft²		N		N													
CEILING (Total Exposed Area = 1320 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		1320.0ft²		0.053		0.11		Wood									

INPUT SUMMARY CHECKLIST REPORT

WALLS																	(Total Exposed Area = 1589 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	21.0	6	9.0	0	193.5	0.094		0.23	0.75	0 %					
___ 2	E	Exterior	Frame - Wood	Main	13.0	5.0	6	9.0	0	49.5	0.094		0.23	0.75	0 %					
___ 3	N	Exterior	Frame - Wood	Main	13.0	14.0	6	9.0	0	130.5	0.094		0.23	0.75	0 %					
___ 4	W	Exterior	Frame - Wood	Main	13.0	5.0	6	9.0	0	49.5	0.094		0.23	0.75	0 %					
___ 5	N	Exterior	Frame - Wood	Main	13.0	10.0	0	9.0	0	90.0	0.094		0.23	0.75	0 %					
___ 6	E	Exterior	Frame - Wood	Main	13.0	24.0	3	9.0	0	218.3	0.094		0.23	0.75	0 %					
___ 7	S	Exterior	Frame - Wood	Main	13.0	6.0	0	9.0	0	54.0	0.094		0.23	0.75	0 %					
___ 8	E	Exterior	Frame - Wood	Main	13.0	12.0	6	9.0	0	112.5	0.094		0.23	0.75	0 %					
___ 9	S	Exterior	Frame - Wood	Main	13.0	11.0	6	9.0	0	103.5	0.094		0.23	0.75	0 %					
___ 10	W	Exterior	Frame - Wood	Main	13.0	5.0	10	9.0	0	52.5	0.094		0.23	0.75	0 %					
___ 11	S	Exterior	Frame - Wood	Main	13.0	6.0	6	9.0	0	58.5	0.094		0.23	0.75	0 %					
___ 12	S	Garage	Frame - Wood	Main	13.0	24.0	4	9.0	0	219.0	0.094		0.23	0.75	0 %					
___ 13	W	Exterior	Frame - Wood	Main	13.0	28.0	8	9.0	0	258.0	0.094		0.23	0.75	0 %					

DOORS																	(Total Exposed Area = 58 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	3.00	0	6.00	8	20.0ft²									
___ 2	S	Exterior	Wood	Main	None	0.40	3.00	0	6.00	8	20.0ft²									
___ 3	S	Garage	Insulated	Main	None	0.40	2.00	8	6.00	8	17.8ft²									

WINDOWS																	(Total Exposed Area = 144 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	30.0	2	3.00	5.00	1.5	2.3	None	None			
___ 2	N	3	Vinyl	Low-E Double	Y	0.26	0.20	N	N	30.0	2	3.00	5.00	7.0	2.3	None	None			
___ 3	N	5	Vinyl	Low-E Double	Y	0.26	0.20	N	N	15.0	1	3.00	5.00	1.5	2.3	None	None			
___ 4	S	9	Vinyl	Low-E Double	Y	0.26	0.20	N	N	30.0	2	3.00	5.00	1.5	2.3	None	None			
___ 5	S	11	Vinyl	Low-E Double	Y	0.26	0.20	N	N	13.3	2	1.00	6.67	9.5	2.3	None	None			
___ 6	W	13	Vinyl	Low-E Double	Y	0.26	0.20	N	N	6.0	1	2.00	3.00	1.5	2.3	None	None			
___ 7	W	13	Vinyl	Low-E Double	Y	0.26	0.20	N	N	20.0	2	2.00	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)	0.00029	990	54.31	101.97	0.1027	5.0	All	11880 cu ft

GARAGE					
✓ #	Floor Area	Roof Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
___ 1	484 ft²	484 ft²	64 ft	9 ft	1

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

INPUT SUMMARY CHECKLIST REPORT

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		HSPF2: 8.50	30.0	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	30.0	900	0.85	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	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	Air Handler	CFM 25 TOT	CFM 25 OUT	QN	RLF	HVAC # Heat Cool
___ 1	Attic 6.0 264 ft²	Attic 6.0 66 ft²	Default Leakage	Garage	(Default)	(Default)			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	Hours 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	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	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	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	68 68	