

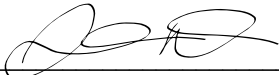
FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Steve & Theresa Young 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 (ft ²) 2370 Conditioned floor area below grade (ft ²) 0 7. Windows(289.8 sqft.) Description Area a. U-Factor: Dbl, U=0.60 289.83 ft ² SHGC: SHGC=0.27 b. U-Factor: N/A ft ² SHGC: c. U-Factor: N/A ft ² SHGC: Area Weighted Average Overhang Depth: 2.632 ft Area Weighted Average SHGC: 0.270 8. Skylights Description Area U-Factor:(AVG) N/A N/A ft ² SHGC(AVG): N/A 9. Floor Types Insulation Area a. Slab-On-Grade Edge Insulation R= 0.0 2370.00 ft ² b. N/A R= ft ² c. N/A R= ft ²	10. Wall Types(2377.6 sqft.) Insulation Area a. Frame - Wood, Exterior R=13.0 2035.60 ft ² b. Frame - Wood, Adjacent R=13.0 342.00 ft ² c. N/A d. N/A 11. Ceiling Types(2370.0 sqft.) Insulation Area a. Single assembly, no ai (Unvented) R=38.0 2370.00 ft ² b. N/A c. N/A 12. Roof(Comp. Shingles, Unvent) Deck R=38.0 2848 ft ² 13. Ducts, location & insulation level R ft ² a. Sup: Main, Ret: Main, AH: Garage 6 474 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. Electric Cap: 50 gallons EF: 0.920 b. Conservation features 17. Credits None CF, Pstat
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Glass/Floor Area: 0.122	Total Proposed Modified Loads: 48.78	PASS
	Total Baseline Loads: 60.67	

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY:  DATE: 3-31-23 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.
- 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 4.73 ACH50 (R402.4.1.2).

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INPUT SUMMARY CHECKLIST REPORT

WALLS															(Total Exposed Area = 2378 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	13.0	0	9.0	0	117.0	0.084		0.23	0.75	0 %				
___ 2	E	Exterior	Frame - Wood	Main	13.0	8.0	0	9.0	0	72.0	0.084		0.23	0.75	0 %				
___ 3	N	Exterior	Frame - Wood	Main	13.0	21.0	10	10.0	0	218.3	0.084		0.23	0.75	0 %				
___ 4	W	Exterior	Frame - Wood	Main	13.0	8.0	0	10.0	0	80.0	0.084		0.23	0.75	0 %				
___ 5	N	Exterior	Frame - Wood	Main	13.0	12.0	0	10.0	0	120.0	0.084		0.23	0.75	0 %				
___ 6	W	Exterior	Frame - Wood	Main	13.0	9.0	9	9.0	0	87.8	0.084		0.23	0.75	0 %				
___ 7	N	Exterior	Frame - Wood	Main	13.0	25.0	0	9.0	0	225.0	0.084		0.23	0.75	0 %				
___ 8	E	Exterior	Frame - Wood	Main	13.0	31.0	0	9.0	0	279.0	0.084		0.23	0.75	0 %				
___ 9	S	Garage	Frame - Wood	Main	13.0	38.0	0	9.0	0	342.0	0.084		0.23	0.75	0 %				
___ 10	S	Exterior	Frame - Wood	Main	13.0	22.0	0	10.0	0	220.0	0.084		0.23	0.75	0 %				
___ 11	E	Exterior	Frame - Wood	Main	13.0	2.0	0	9.0	0	18.0	0.084		0.23	0.75	0 %				
___ 12	N	Exterior	Frame - Wood	Main	13.0	11.0	6	9.0	0	103.5	0.084		0.23	0.75	0 %				
___ 13	E	Exterior	Frame - Wood	Main	13.0	2.0	0	9.0	0	18.0	0.084		0.23	0.75	0 %				
___ 14	S	Exterior	Frame - Wood	Main	13.0	13.0	0	9.0	0	117.0	0.084		0.23	0.75	0 %				
___ 15	W	Exterior	Frame - Wood	Main	13.0	40.0	0	9.0	0	360.0	0.084		0.23	0.75	0 %				

DOORS										(Total Exposed Area = 97 sq.ft.)			
✓ #	Ornt	Adjacent To	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area		
___ 1	W	Exterior	Insulated	Main	None	0.46	5.00	0	8.00	0	40.0ft²		
___ 2	S	Garage	Insulated	Main	None	0.46	3.00	0	6.00	8	20.0ft²		
___ 3	S	Garage	Insulated	Main	None	0.46	2.00	0	6.00	8	13.3ft²		
___ 4	S	Exterior	Insulated	Main	None	0.46	3.00	0	8.00	0	24.0ft²		

WINDOWS															(Total Exposed Area = 290 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	0.60	0.27	N	N	30.0	2	3.00	5.00	1.5	2.3	None	None
___ 2	N	3	Vinyl	Low-E Double	Y	0.60	0.27	N	N	60.0	4	2.50	6.00	1.5	2.3	None	None
___ 3	N	3	Vinyl	Low-E Double	Y	0.60	0.27	N	N	18.3	2	5.00	1.83	1.5	2.3	None	None
___ 4	N	5	Vinyl	Low-E Double	Y	0.60	0.27	N	N	30.0	2	3.00	5.00	1.5	2.3	None	None
___ 5	N	7	Vinyl	Low-E Double	Y	0.60	0.27	N	N	30.0	2	3.00	5.00	1.5	2.3	None	None
___ 6	N	7	Vinyl	Low-E Double	Y	0.60	0.27	N	N	12.5	1	2.50	5.00	1.5	2.3	None	None
___ 7	E	8	Vinyl	Low-E Double	Y	0.60	0.27	N	N	6.0	1	2.00	3.00	1.5	2.3	None	None
___ 8	E	8	Vinyl	Low-E Double	Y	0.60	0.27	N	N	4.0	1	4.00	1.00	1.5	2.3	None	None
___ 9	E	8	Vinyl	Low-E Double	Y	0.60	0.27	N	N	12.0	2	3.00	2.00	1.5	2.3	None	None
___ 10S		10	Vinyl	Low-E Double	Y	0.60	0.27	N	N	25.0	2	2.50	5.00	9.5	2.3	None	None
___ 11S		10	Vinyl	Low-E Double	Y	0.60	0.27	N	N	16.0	2	1.00	8.00	9.5	2.3	None	None
___ 12N		12	Vinyl	Low-E Double	Y	0.60	0.27	N	N	25.0	2	2.50	5.00	1.5	2.3	None	None
___ 13S		14	Vinyl	Low-E Double	Y	0.60	0.27	N	N	15.0	1	3.00	5.00	1.5	2.3	None	None
___ 14W		15	Vinyl	Low-E Double	Y	0.60	0.27	N	N	6.0	1	2.00	3.00	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)	0.00024	1495	82.00	153.95	0.0927	4.7	All	18960 cu ft

INPUT SUMMARY CHECKLIST REPORT

GARAGE													
✓ #	Floor Area	Roof Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation								
___ 1	688 ft²	688 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								
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	Electric	None	Garage	0.92 (0.92)	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	Main	6.0	474 ft²	Main	6.0	119 ft²	Prop. Leak Free	Garage	---	---	0.03	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													
✓	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