

Project Name: Ratliff Residence Street: City, State, Zip: , FL, Owner: Design Location: FL, Gainesville				Builder Name: Permit Office: Permit Number: Jurisdiction: County: Columbia(Florida Climate Zone 2)			
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) 1921 Conditioned floor area below grade (ft²) 0 7. Windows(244.5 sqft.) Description Area a. U-Factor: Dbl, U=0.26 244.50 ft² SHGC: SHGC=0.20 b. U-Factor: N/A ft² SHGC: c. U-Factor: N/A ft² SHGC: Area Weighted Average Overhang Depth: 6.359 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 1609.00 ft² b. Floor over Garage R= 0.0 312.00 ft² c. N/A R= ft²				10. Wall Types(2379.0 sqft.) Insulation Area a. Frame - Wood, Exterior R=13.0 2101.70 ft² b. Interior Frame - Wood, Interior R=13.0 277.33 ft² c. N/A d. N/A 11. Ceiling Types(1921.0 sqft.) Insulation Area a. Flat ceiling under att (Vented) R=30.0 1609.00 ft² b. Single assembly, no ai (Vented) R=30.0 312.00 ft² c. N/A 12. Roof(Comp. Shingles, Vented) Deck R=0.0 2224 ft² 13. Ducts, location & insulation level R ft² a. Sup: Attic, Ret: Attic, AH: Main 6 341 b. c. 14. Cooling Systems kBtu/hr Efficiency a. Central Unit 36.0 SEER2:15.00 15. Heating Systems kBtu/hr Efficiency a. Electric Heat Pump 36.0 HSPF2:7.50 16. Hot Water Systems a. Electric Cap: 50 gallons EF: 0.920 b. Conservation features 17. Credits None CF, Pstat			

PASS

BUILDING OFFICIAL: _____
DATE: _____

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INPUT SUMMARY CHECKLIST REPORT

PROJECT																								
Title:	Ratliff Residence				Address type:		Street Address																	
Building Type:	User				Bedrooms:	4		Lot #:	---															
Owner:					Conditioned Area:	1921		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:	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		1921		15368 cu ft																			
SPACES																								
✓ Number	Name		Area		Volume		Kitchen		Occupants		Bedrooms		Finished		Cooled		Heated							
___ 1	Main		1609		12872		Yes		6		3		Yes		Yes		Yes							
___ 2	Bonus Room		312		2496		No		0		1		Yes		Yes		Yes							
FLOORS (Total Exposed Area = 1921 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		205		0		1609 ft		0.563		---		0.20		0.60		0.20					
___ 2	Floor over Garage		Bonus Room		---		---		312 ft		0.230		0		0.20		0.00		0.80					
ROOF																								
✓ #	Type		Materials		Roof Area		Gable Area		Roof Color		Rad Barr		Solar Absor.		SA Tested		Emitt Tested		Emitt Tested		Deck Insul.		Pitch (deg)	
___ 1	Gable or shed		Composition shingles		2224 ft²		560 ft²		Medium		N		0.96		No		0.9		No		0		30.26	
ATTIC																								
✓ #	Type		Ventilation		Vent Ratio (1 in)		Area		RBS		IRCC													
___ 1	Full attic		Vented		300		1921 ft²		N		N													

INPUT SUMMARY CHECKLIST REPORT

CEILING														(Total Exposed Area = 1921 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	1609.0ft²	0.053	0.11	Wood									
___ 2	Single assembly, no airspace(Vented)	Bonus Room	30.0	Blown	312.0ft²	0.060	0.11	Wood									

WALLS														(Total Exposed Area = 2102 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	45.0	2	9.0	0	406.5	0.094		0.23	0.75	0 %		
___ 2	W	Exterior	Frame - Wood	Main	13.0	12.0	0	9.0	0	108.0	0.094		0.23	0.75	0 %		
___ 3	N	Exterior	Frame - Wood	Main	13.0	15.0	8	9.0	0	141.0	0.094		0.23	0.75	0 %		
___ 4	E	Exterior	Frame - Wood	Main	13.0	32.0	4	9.0	0	291.0	0.094		0.23	0.75	0 %		
___ 5	S	Exterior	Frame - Wood	Main	13.0	3.0	0	9.0	0	27.0	0.094		0.23	0.75	0 %		
___ 6	E	Exterior	Frame - Wood	Main	13.0	4.0	4	9.0	0	39.0	0.094		0.23	0.75	0 %		
___ 7	S	Exterior	Frame - Wood	Main	13.0	28.0	6	9.0	0	256.5	0.094		0.23	0.75	0 %		
___ 8	W	Exterior	Frame - Wood	Main	13.0	2.0	0	9.0	0	18.0	0.094		0.23	0.75	0 %		
___ 9	S	Exterior	Frame - Wood	Main	13.0	7.0	0	9.0	0	63.0	0.094		0.23	0.75	0 %		
___ 10	E	Exterior	Frame - Wood	Main	13.0	2.0	0	9.0	0	18.0	0.094		0.23	0.75	0 %		
___ 11	S	Exterior	Frame - Wood	Main	13.0	7.0	4	9.0	0	66.0	0.094		0.23	0.75	0 %		
___ 12	E	Exterior	Frame - Wood	Main	13.0	3.0	0	9.0	0	27.0	0.094		0.23	0.75	0 %		
___ 13	S	Exterior	Frame - Wood	Main	13.0	15.0	0	9.0	0	135.0	0.094		0.23	0.75	0 %		
___ 14	W	Exterior	Frame - Wood	Main	13.0	27.0	8	9.0	0	249.0	0.094		0.23	0.75	0 %		
___ 15	S	Exterior	Frame - Wood	Bonus Room	13.0	11.0	5	8.0	0	91.3	0.094		0.23	0.75	0 %		
___ 16	W	Main	Interior Fr. Wood	Bonus Room	13.0	11.0	4	8.0	0	90.7	0.095		0.23	0.75	0 %		
___ 17	S	Exterior	Frame - Wood	Bonus Room	13.0	4.0	6	8.0	0	36.0	0.094		0.23	0.75	0 %		
___ 18	E	Exterior	Frame - Wood	Bonus Room	13.0	11.0	8	8.0	0	93.3	0.094		0.23	0.75	0 %		
___ 19	N	Exterior	Frame - Wood	Bonus Room	13.0	4.0	6	8.0	0	36.0	0.094		0.23	0.75	0 %		
___ 20	W	Main	Interior Fr. Wood	Bonus Room	13.0	23.0	4	8.0	0	186.7	0.095		0.23	0.75	0 %		

DOORS														(Total Exposed Area = 40 sq.ft.)			
✓ #	Ornt	Adjacent To	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area						
___ 1	N	Exterior	Wood	Main	None	0.40	3.00	0	6.00	8	20.0ft²						
___ 2	S	Exterior	Insulated	Main	None	0.40	3.00	0	6.00	8	20.0ft²						

WINDOWS														(Total Exposed Area = 245 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	9.0	1	3.00	3.00	13.5	2.3	None	None
___ 2	N	1	Vinyl	Low-E Double	Y	0.26	0.20	N	N	60.0	1	9.00	6.67	13.5	2.3	None	None
___ 3	N	3	Vinyl	Low-E Double	Y	0.26	0.20	N	N	30.0	2	3.00	5.00	1.5	2.3	None	None
___ 4	E	4	Vinyl	Low-E Double	Y	0.26	0.20	N	N	3.0	1	3.00	1.00	1.5	2.3	None	None
___ 5	S	7	Vinyl	Low-E Double	Y	0.26	0.20	N	N	45.0	3	3.00	5.00	9.5	2.3	None	None
___ 6	S	11	Vinyl	Low-E Double	Y	0.26	0.20	N	N	15.0	1	3.00	5.00	1.5	2.3	None	None
___ 7	S	13	Vinyl	Low-E Double	Y	0.26	0.20	N	N	15.0	1	3.00	5.00	1.5	2.3	None	None
___ 8	W	14	Vinyl	Low-E Double	Y	0.26	0.20	N	N	30.0	2	3.00	5.00	1.5	2.3	None	None
___ 9	S	15	Vinyl	Low-E Double	Y	0.26	0.20	N	N	15.0	1	3.00	5.00	1.5	2.3	None	None
___ 10	E	18	Vinyl	Low-E Double	Y	0.26	0.20	N	N	22.5	3	2.50	3.00	1.5	2.3	None	None

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INFILTRATION												
✓ #	Scope	Method	SLA	CFM50	ELA	EqLA	ACH	ACH50	Space(s)	Infiltration Test Volume		
___ 1	Wholehouse	Proposed ACH(50)	0.00025	1254	68.79	129.15	0.0959	4.9	All	15368 cu ft		

GARAGE						
✓ #	Floor Area	Roof Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation	
___ 1	536 ft²	536 ft²	49 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
___ 2	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Bonus Room

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: 7.50	36.0		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	36.0	1080	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	Main	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-----			-----Return-----			Leakage Type	Air Handler	CFM 25 TOT	CFM 25 OUT	QN	RLF	HVAC # Heat Cool
	Location	R-Value	Area	Location	R-Value	Area							
___ 1	Attic	6.0	341 ft²	Attic	6.0	85 ft²	Default Leakage	Main	(Default)	(Default)			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

INPUT SUMMARY CHECKLIST REPORT

TEMPERATURES(Continued)

✓ Thermostat Schedule: HERS 2006 Reference		Hours											
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	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