

Project Name: Edenfield Residence 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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Glass/Floor Area: 0.153	Total Proposed Modified Loads: 60.47	PASS
	Total Baseline Loads: 60.46	

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY: DATE: 8-5-22 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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8/5/2022 2:18:06 PM EnergyGauge® USA 7.0.00 - FlaRes2020 FBC 7th Edition (2020) Compliant Software Page 1

INPUT SUMMARY CHECKLIST REPORT

PROJECT

Title:	Edenfield Residence	Bedrooms:	4	Address type:	Street Address
Building Type:	User	Conditioned Area:	1927	Lot #:	---
Owner:		Total Stories:	1	Block/SubDivision:	---
Builder Name:		Worst Case:	No	PlatBook:	---
Permit Office:		Rotate Angle:	0	Street:	
Jurisdiction:		Cross Ventilation:		County:	columbia
Family Type:	Detached	Whole House Fan:		City, State, Zip:	, FL,
New/Existing:	New (From Plans)	Terrain:	Rural		
Year Construct:	2022	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	1927	17343

SPACES

✓ Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Finished	Cooled	Heated
___ 1	Main	1621	14589	Yes	6	3	Yes	Yes	Yes
___ 2	bonus Room	306	2754	No	2	1	Yes	Yes	Yes

FLOORS

(Total Exposed Area = 1927 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	254	0	1621 ft	0.563	---	0.20	0.60	0.20
___ 2	Floor over Garage	bonus Room	---	---	306 ft	0.214	0	0.00	0.80	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	2231 ft²	562 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	1927 ft²	N	N

INPUT SUMMARY CHECKLIST REPORT

CEILING														(Total Exposed Area = 1927 sq.ft.)			
✓ #	Ceiling Type	Space	R-Value	Ins. Type	Area	U-Factor	Framing Frac.	Truss Type									
___ 1	Under Attic(Vented)	Main	30.0	Blown	1621.0ft²	0.053	0.11	Wood									
___ 2	Cathedral/Single Assembly(Vented)	bonus Room	30.0	Blown	306.0ft²	0.060	0.11	Wood									

WALLS														(Total Exposed Area = 2326 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	26.0	8	10.0	0	266.7	0.094		0.23	0.75	0 %		
___ 2	W	Exterior	Frame - Wood	Main	13.0	3.0	0	10.0	0	30.0	0.094		0.23	0.75	0 %		
___ 3	N	Exterior	Frame - Wood	Main	13.0	13.0	10	10.0	0	138.3	0.094		0.23	0.75	0 %		
___ 4	W	Exterior	Frame - Wood	Main	13.0	11.0	0	9.0	0	99.0	0.094		0.23	0.75	0 %		
___ 5	N	Exterior	Frame - Wood	Main	13.0	23.0	8	9.0	0	213.0	0.094		0.23	0.75	0 %		
___ 6	E	Exterior	Frame - Wood	Main	13.0	20.0	4	9.0	0	183.0	0.094		0.23	0.75	0 %		
___ 7	S	Garage	Frame - Wood	Main	13.0	43.0	0	9.0	0	387.0	0.094		0.23	0.75	0 %		
___ 8	S	Exterior	Frame - Wood	Main	13.0	6.0	0	9.0	0	54.0	0.094		0.23	0.75	0 %		
___ 9	E	Exterior	Frame - Wood	Main	13.0	3.0	0	9.0	0	27.0	0.094		0.23	0.75	0 %		
___ 10	S	Exterior	Frame - Wood	Main	13.0	11.0	0	9.0	0	99.0	0.094		0.23	0.75	0 %		
___ 11	W	Exterior	Frame - Wood	Main	13.0	6.0	0	9.0	0	54.0	0.094		0.23	0.75	0 %		
___ 12	S	Exterior	Frame - Wood	Main	13.0	6.0	10	9.0	0	61.5	0.094		0.23	0.75	0 %		
___ 13	E	Exterior	Frame - Wood	Main	13.0	6.0	0	9.0	0	54.0	0.094		0.23	0.75	0 %		
___ 14	S	Exterior	Frame - Wood	Main	13.0	11.0	0	9.0	0	99.0	0.094		0.23	0.75	0 %		
___ 15	W	Exterior	Frame - Wood	Main	13.0	2.0	0	9.0	0	18.0	0.094		0.23	0.75	0 %		
___ 16	S	Exterior	Frame - Wood	Main	13.0	5.0	8	9.0	0	51.0	0.094		0.23	0.75	0 %		
___ 17	SW	Exterior	Frame - Wood	Main	13.0	27.0	0	9.0	0	243.0	0.094		0.23	0.75	0 %		
___ 18	N	Exterior	Frame - Wood	bonus Room	13.0	4.0	0	8.0	0	32.0	0.094		0.23	0.75	0 %		
___ 19	E	Exterior	Frame - Wood	bonus Room	13.0	11.0	8	8.0	0	93.3	0.094		0.23	0.75	0 %		
___ 20	S	Exterior	Frame - Wood	bonus Room	13.0	4.0	0	8.0	0	32.0	0.094		0.23	0.75	0 %		
___ 21	S	Exterior	Frame - Wood	bonus Room	13.0	11.0	5	8.0	0	91.3	0.094		0.23	0.75	0 %		

DOORS														(Total Exposed Area = 113 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	8.00	0	48.0ft²						
___ 2	N	Exterior	Insulated	Main	None	0.40	2.00	6	6.00	8	16.7ft²						
___ 3	S	Garage	Insulated	Main	None	0.40	3.00	0	6.00	8	20.0ft²						
___ 4	S	Exterior	Insulated	Main	None	0.40	3.00	6	8.00	0	28.0ft²						

WINDOWS														(Total Exposed Area = 294 sq.ft.)			
✓ #	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Storm	Area	----Overhang----		Interior Shade	Screening			
											Depth	Separation					
___ 1	N	1	Vinyl	Low-E Double	Yes	0.26	0.20	N	N	18.0ft²	9.0 ft 6 in	2.0 ft 4 in	None	None			
___ 2	N	3	Vinyl	Low-E Double	Yes	0.26	0.20	N	N	24.0ft²	6.0 ft 6 in	2.0 ft 4 in	None	None			
___ 3	N	3	Vinyl	Low-E Double	Yes	0.26	0.20	N	N	18.0ft²	6.0 ft 6 in	2.0 ft 4 in	None	None			
___ 4	W	4	Vinyl	Low-E Double	Yes	0.26	0.20	N	N	30.0ft²	1.0 ft 6 in	2.0 ft 4 in	None	None			
___ 5	N	5	Vinyl	Low-E Double	Yes	0.26	0.20	N	N	16.0ft²	1.0 ft 6 in	2.0 ft 4 in	None	None			
___ 6	N	5	Vinyl	Low-E Double	Yes	0.26	0.20	N	N	6.0ft²	1.0 ft 6 in	2.0 ft 4 in	None	None			
___ 7	E	6	Vinyl	Low-E Double	Yes	0.26	0.20	N	N	12.5ft²	1.0 ft 6 in	2.0 ft 4 in	None	None			
___ 8	S	8	Vinyl	Low-E Double	Yes	0.26	0.20	N	N	15.0ft²	1.0 ft 6 in	2.0 ft 4 in	None	None			
___ 9	S	10	Vinyl	Low-E Double	Yes	0.26	0.20	N	N	36.0ft²	8.0 ft 6 in	2.0 ft 4 in	None	None			
___ 10	S	14	Vinyl	Low-E Double	Yes	0.26	0.20	N	N	36.0ft²	8.0 ft 6 in	2.0 ft 4 in	None	None			
___ 11	S	16	Vinyl	Low-E Double	Yes	0.26	0.20	N	N	15.0ft²	1.0 ft 6 in	2.0 ft 4 in	None	None			
___ 12	SW	17	Vinyl	Low-E Double	Yes	0.26	0.20	N	N	30.0ft²	1.0 ft 6 in	2.0 ft 4 in	None	None			
___ 13	E	19	Vinyl	Low-E Double	Yes	0.26	0.20	N	N	22.5ft²	1.0 ft 6 in	2.0 ft 4 in	None	None			
___ 14	S	21	Vinyl	Low-E Double	Yes	0.26	0.20	N	N	15.0ft²	1.0 ft 6 in	2.0 ft 4 in	None	None			

INPUT SUMMARY CHECKLIST REPORT

INFILTRATION												
✓ #	Scope	Method	SLA	CFM50	ELA	EqLA	ACH	ACH50	Space(s)			
___ 1	Wholehouse	Proposed ACH(50)	0.00029	1445	79.29	148.86	0.1027	5.0	All			

GARAGE						
✓ #	Floor Area	Roof Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation	
___ 1	536 ft²	536 ft²	50 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		HSPF: 8.50	42.0		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	42.0	1260	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 #	-----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	385 ft²	Attic	6.0	96 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

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 78	78 78	78 78	78 78	78 78	78 78	80 78	80 78	80 78	80 78
___ Cooling (WEH)	AM PM	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78
___ Heating (WD)	AM PM	66 68	66 68	66 68	66 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	68 66
___ Heating (WEH)	AM PM	66 68	66 68	66 68	66 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	68 66