

Project Name: Nowrey 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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I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY: _____ DATE: 12-11-23 I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. OWNER/AGENT: <i>Dustin J Busscher</i> DATE: 12-11-23	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: _____																																																																																																																																													

12/12/2023 12:14:57 PM EnergyGauge® USA 7.5.00 - FlaRes2020 FBC 7th Edition (2022 Supplement) Compliant Software Page 1

INPUT SUMMARY CHECKLIST REPORT

PROJECT																								
Title:	Nowrey Residence				Address type:		Street Address																	
Building Type:	User				Bedrooms:	3	Lot #:	---																
Owner:					Conditioned Area:	2078	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		2078		18702 cu ft																			
SPACES																								
✓ Number	Name		Area		Volume		Kitchen		Occupants		Bedrooms		Finished		Cooled		Heated							
___ 1	Main		2078		18702		Yes		6		3		Yes		Yes		Yes							
FLOORS													(Total Exposed Area = 2078 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		234		0		2078 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	Gable or shed		Composition shingles		2497 ft²		692 ft²		Dark		N		0.96		No		0.9		No		30		33.69	
ATTIC																								
✓ #	Type		Ventilation		Vent Ratio (1 in)		Area		RBS		IRCC													
___ 1	No attic		Unvented		0		2078 ft²		N		N													
CEILING													(Total Exposed Area = 2078 sq.ft.)											
✓ #	Ceiling Type		Space		R-Value		Ins. Type		Area		U-Factor		Framing Frac.		Truss Type									
___ 1	Single assembly, no airspace(Unvented)		Main		30.0		Blown		2078.0ft²		0.032		0.11		Wood									

INPUT SUMMARY CHECKLIST REPORT

WALLS															(Total Exposed Area = 1971 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	61.0	0	10.0	0	610.0	0.094		0.23	0.75	0 %				
___ 2	E	Exterior	Frame - Wood	Main	13.0	5.0	0	9.0	0	45.0	0.094		0.23	0.75	0 %				
___ 3	N	Exterior	Frame - Wood	Main	13.0	5.0	0	9.0	0	45.0	0.094		0.23	0.75	0 %				
___ 4	E	Exterior	Frame - Wood	Main	13.0	18.0	8	9.0	0	168.0	0.094		0.23	0.75	0 %				
___ 5	S	Garage	Frame - Wood	Main	13.0	29.0	10	9.0	0	268.5	0.094		0.23	0.75	0 %				
___ 6	S	Exterior	Frame - Wood	Main	13.0	20.0	0	10.0	0	200.0	0.094		0.23	0.75	0 %				
___ 7	W	Exterior	Frame - Wood	Main	13.0	2.0	10	10.0	0	28.3	0.094		0.23	0.75	0 %				
___ 8	S	Exterior	Frame - Wood	Main	13.0	7.0	2	10.0	0	71.7	0.094		0.23	0.75	0 %				
___ 9	E	Exterior	Frame - Wood	Main	13.0	6.0	0	9.0	0	54.0	0.094		0.23	0.75	0 %				
___ 10	S	Exterior	Frame - Wood	Main	13.0	15.0	10	9.0	0	142.5	0.094		0.23	0.75	0 %				
___ 11	W	Exterior	Frame - Wood	Main	13.0	37.0	6	9.0	0	337.5	0.094		0.23	0.75	0 %				

DOORS												(Total Exposed Area = 132 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	5.00	0	8.00	0	40.0ft²			
___ 2	N	Exterior	Insulated	Main	None	0.40	6.00	0	8.00	0	48.0ft²			
___ 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	0	8.00	0	24.0ft²			

WINDOWS															(Total Exposed Area = 251 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	90.0	5	3.00	6.00	1.5	2.3	None	None
___ 2	N	1	Vinyl	Low-E Double	Y	0.26	0.20	N	N	12.0	1	3.00	4.00	1.5	2.3	None	None
___ 3	E	4	Vinyl	Low-E Double	Y	0.26	0.20	N	N	18.0	1	3.00	6.00	1.5	2.3	None	None
___ 4	S	6	Vinyl	Low-E Double	Y	0.26	0.20	N	N	54.0	3	3.00	6.00	1.5	2.3	None	None
___ 5	S	8	Vinyl	Low-E Double	Y	0.26	0.20	N	N	16.0	2	1.00	8.00	1.5	2.3	None	None
___ 6	S	10	Vinyl	Low-E Double	Y	0.26	0.20	N	N	25.0	2	2.50	5.00	1.5	2.3	None	None
___ 7	W	11	Vinyl	Low-E Double	Y	0.26	0.20	N	N	36.0	3	2.00	6.00	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)	0.00028	1524	83.62	156.99	0.1004	4.9	All	18702 cu ft

GARAGE					
✓ #	Floor Area	Roof Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
___ 1	544 ft²	544 ft²	68 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: 7.80	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		SEER2:15.0	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	Propane	Tankless	Exterior	0.59 (0.59)	1.00 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	Main 6.0 416 ft²	Main 6.0 104 ft²	Prop. Leak Free	Garage	---	---	0.03	0.50	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	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	