

Project Name: Maloy 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: 0.135	Total Proposed Modified Loads: 56.19	PASS
	Total Baseline Loads: 76.82	

NOTE: Proposed residence must have annual total normalized Modified Loads that are less than or equal to 95 percent of the annual total loads of the standard reference design in order to comply.

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY: _____ DATE: _____ 4-16-24 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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4/16/2024 3:39:11 PM EnergyGauge® USA 8.0.00 - FlaRes2023 FBC 8th Edition (2023) Compliant Software Page 1

INPUT SUMMARY CHECKLIST REPORT

PROJECT

Title:Maloy Residence

Building Type:User

Owner:

Builder Home ID:

Builder Name:

Permit Office:

Jurisdiction:

Family Type:Detached

New/Existing:New (From Plans)

Year Construct:2024

Comment:

Bedrooms:3

Conditioned Area:2890

Total Stories:1

Worst Case:No

Rotate Angle:0

Cross Ventilation:

Whole House Fan:

Terrain:Rural

Shielding:Moderate/Rural

Address type:Street Address

Lot #:---

Block/SubDivision:---

PlatBook:---

Street:

County:Columbia

City, State, Zip: , FL,

CLIMATE

✓Design Location

Tmy Site

Design Temp

97.5%2.5%

Int Design Temp

WinterSummer

Heating Degree Days

Design Moisture

Daily temp Range

___FL, Gainesville

FL_GAINESVILLE_REGIONA

3292

7075

1305.5

51

Medium

BLOCKS

✓Number

Name

Area

Volume

___1

Block1

2890

28900 cu ft

SPACES

✓Number

Name

Area

Volume

Kitchen

Occupants

Bedrooms

Finished

Cooled

Heated

___1

Main

2890

28900

Yes

6

3

Yes

Yes

Yes

FLOORS

(Total Exposed Area = 2890 sq.ft.)

✓#

Floor Type

Space

Exposed Perim(ft)

Area

R-Value Perim.

U-Factor Joist

Slab Insul. Vert/Horiz

Tile

Wood

Carpet

___1

Slab-On-Grade Edge Ins

Main

280

2890 sqft

0

0.563

0 (ft)/0 (ft)

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

Metal

3346 ft²

0 ft²

Unf, Gal.

N

0.7

No

0.7

No

44

30.26

ATTIC

✓#

Type

Ventilation

Vent Ratio (1 in)

Area

RBS

IRCC

___1

No attic

Unvented

0

2890 ft²

N

N

CEILING

(Total Exposed Area = 2890 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

2890.0ft²

0.014

0.11

Wood

INPUT SUMMARY CHECKLIST REPORT

WALLS														(Total Exposed Area = 2807 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	18.0	0	10.0	0	180.0	0.084		0.23	0.75	0 %		
___ 2	E	Exterior	Frame - Wood	Main	13.0	14.0	4	10.0	0	143.3	0.084		0.23	0.75	0 %		
___ 3	N	Exterior	Frame - Wood	Main	13.0	24.0	8	10.0	0	246.7	0.084		0.23	0.75	0 %		
___ 4	W	Exterior	Frame - Wood	Main	13.0	6.0	0	10.0	0	60.0	0.084		0.23	0.75	0 %		
___ 5	N	Exterior	Frame - Wood	Main	13.0	15.0	4	10.0	0	153.3	0.084		0.23	0.75	0 %		
___ 6	W	Exterior	Frame - Wood	Main	13.0	4.0	0	10.0	0	40.0	0.084		0.23	0.75	0 %		
___ 7	N	Garage	Frame - Wood	Main	13.0	24.0	0	10.0	0	240.0	0.084		0.23	0.75	0 %		
___ 8	E	Exterior	Frame - Wood	Main	13.0	12.0	0	10.0	0	120.0	0.084		0.23	0.75	0 %		
___ 9	N	Exterior	Frame - Wood	Main	13.0	4.0	0	10.0	0	40.0	0.084		0.23	0.75	0 %		
___ 10	E	Exterior	Frame - Wood	Main	13.0	19.0	0	10.0	0	190.0	0.084		0.23	0.75	0 %		
___ 11	S	Exterior	Frame - Wood	Main	13.0	4.0	0	10.0	0	40.0	0.084		0.23	0.75	0 %		
___ 12	E	Exterior	Frame - Wood	Main	13.0	5.0	0	10.0	0	50.0	0.084		0.23	0.75	0 %		
___ 13	S	Exterior	Frame - Wood	Main	13.0	82.0	0	10.0	0	820.0	0.084		0.23	0.75	0 %		
___ 14	W	Exterior	Frame - Wood	Main	13.0	5.0	0	10.0	0	50.0	0.084		0.23	0.75	0 %		
___ 15	S	Exterior	Frame - Wood	Main	13.0	4.0	0	10.0	0	40.0	0.084		0.23	0.75	0 %		
___ 16	W	Exterior	Frame - Wood	Main	13.0	19.0	0	10.0	0	190.0	0.084		0.23	0.75	0 %		
___ 17	N	Exterior	Frame - Wood	Main	13.0	4.0	0	10.0	0	40.0	0.084		0.23	0.75	0 %		
___ 18	W	Exterior	Frame - Wood	Main	13.0	16.0	4	10.0	0	163.3	0.084		0.23	0.75	0 %		

DOORS											(Total Exposed Area = 156 sq.ft.)		
✓ #	Ornt	Adjacent To	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area		
___ 1	N	Exterior	Insulated	Main	None	0.46	6.00	0	8.00	0	48.0ft²		
___ 2	W	Exterior	Insulated	Main	None	0.46	2.00	6	8.00	0	20.0ft²		
___ 3	N	Garage	Insulated	Main	None	0.46	3.00	0	6.00	8	20.0ft²		
___ 4	N	Garage	Insulated	Main	None	0.46	3.00	0	6.00	8	20.0ft²		
___ 5	S	Exterior	Insulated	Main	None	0.46	6.00	0	8.00	0	48.0ft²		

WINDOWS														(Total Exposed Area = 391 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	45.0	3	2.50	6.00	1.5	1.3	None	None
___ 2	N	3	Vinyl	Low-E Double	Y	0.26	0.20	N	N	72.0	4	3.00	6.00	1.5	1.3	None	None
___ 3	N	5	Vinyl	Low-E Double	Y	0.26	0.20	N	N	24.0	2	3.00	4.00	1.5	1.3	None	None
___ 4	E	8	Vinyl	Low-E Double	Y	0.26	0.20	N	N	12.0	1	3.00	4.00	1.5	1.3	None	None
___ 5	E	10	Vinyl	Low-E Double	Y	0.26	0.20	N	N	36.0	2	3.00	6.00	1.5	1.3	None	None
___ 6	S	13	Vinyl	Low-E Double	Y	0.26	0.20	N	N	72.0	4	3.00	6.00	1.5	1.3	None	None
___ 7	S	13	Vinyl	Low-E Double	Y	0.26	0.20	N	N	90.0	6	2.50	6.00	1.5	1.3	None	None
___ 8	W	16	Vinyl	Low-E Double	Y	0.26	0.20	N	N	8.0	2	2.00	2.00	1.5	1.3	None	None
___ 9	W	16	Vinyl	Low-E Double	Y	0.26	0.20	N	N	8.0	1	2.00	4.00	1.5	1.3	None	None
___ 10	W	18	Vinyl	Low-E Double	Y	0.26	0.20	N	N	24.0	2	2.00	6.00	1.5	1.3	None	None

INFILTRATION										
✓ #	Scope	Method	SLA	CFM50	ELA	EqLA	ACH	ACH50	Space(s)	Infiltration Test Volume
___ 1	Wholehouse	Proposed ACH(50)	0.00030	2272	124.64	233.99	0.1010	4.7	All	28900 cu ft

INPUT SUMMARY CHECKLIST REPORT

GARAGE													
✓ #	Floor Area	Roof Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation								
___ 1	648 ft²	648 ft²	78 ft	10 ft	13								
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	HeatPump Power	---- Volt	Current	Ducts	Block		
___ 1	Electric Heat Pump	None/Single		HSPF2: 8.00	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		SEER2:16.0	48.0	1440	0.75	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 #	Location	-----Supply----- 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	6.0 578 ft²	Main 6.0 145 ft²	Prop. Leak Free	Main	---	---	0.030	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	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 80	78 80	78 80	78 80	80 78	80 78	80 78
___	Cooling (WEH)	AM PM	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