

Project Name: Caleb Bundy 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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<ol style="list-style-type: none"> 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) 2423 Conditioned floor area below grade (ft²) 0 7. Windows(203.0 sqft.) Description Area a. U-Factor: DbI, U=0.33 203.00 ft² SHGC: SHGC=0.26 b. U-Factor: N/A ft² SHGC: c. U-Factor: N/A ft² SHGC: Area Weighted Average Overhang Depth: 4.160 ft Area Weighted Average SHGC: 0.260 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 2423.00 ft² b. N/A R= c. N/A R= ft² 	<ol style="list-style-type: none"> 10. Wall Types(1809.0 sqft.) Insulation Area a. Frame - Wood, Exterior R=19.0 1809.00 ft² b. N/A c. N/A d. N/A 11. Ceiling Types(2423.0 sqft.) Insulation Area a. Single assembly, with (Unvented) R=30.0 2423.00 ft² b. N/A c. N/A 12. Roof(Metal, Unvent) Deck R=40.0 2805 ft² 13. Ducts, location & insulation level R ft² a. Sup: Main, Ret: Main, AH: Main 6 485 b. c. 14. Cooling Systems kBtu/hr Efficiency a. Central Unit 48.0 SEER2:15.00 15. Heating Systems kBtu/hr Efficiency a. Electric Heat Pump 48.0 HSPF2:7.50 16. Hot Water Systems a. PropaneTankless Cap: 1 gallons EF: 0.590 b. Conservation features None 17. Credits CF, Pstat
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Glass/Floor Area: 0.084	Total Proposed Modified Loads: 50.50	PASS
Total Baseline Loads: 62.38		
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.		

<p>I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.</p> <p>PREPARED BY: _____</p> <p>DATE: _____ 2-27-24</p> <p>I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.</p> <p>OWNER/AGENT: _____</p> <p>DATE: _____</p>	<p>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.</p> <div style="text-align: right;"> </div> <p>BUILDING OFFICIAL: _____</p> <p>DATE: _____</p> <div style="text-align: left; margin-top: 20px;"> </div>
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- 2/27/2024 10:51:28 AM EnergyGauge® USA 8.0.00 - FlaRes2023 FBC 8th Edition (2023) Compliant Software Page 1

INPUT SUMMARY CHECKLIST REPORT

PROJECT

Title: Caleb Bundy

Building Type: User

Owner:

Builder Home ID:

Builder Name:

Permit Office:

Jurisdiction:

Family Type: Detached

New/Existing: New (From Plans)

Year Construct: 2027

Comment:

Bedrooms: 4

Conditioned Area: 2423

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

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

2423

21807 cu ft

SPACES

✓ Number

Name

Area

Volume

Kitchen

Occupants

Bedrooms

Finished

Cooled

Heated

___ 1

Main

2423

21807

Yes

8

4

Yes

Yes

Yes

FLOORS (Total Exposed Area = 2423 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

201

2423 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

Gable or shed

Metal

2805 ft²

706 ft²

Unf, Gal.

N

0.7

No

0.7

No

40

30.26

ATTIC

✓ #

Type

Ventilation

Vent Ratio (1 in)

Area

RBS

IRCC

___ 1

No attic

Unvented

0

2423 ft²

N

N

CEILING (Total Exposed Area = 2423 sq.ft.)

✓ #

Ceiling Type

Space

R-Value

Ins. Type

Area

U-Factor

Framing Frac.

Truss Type

___ 1

Single assembly, with airspace(Unvented)

Main

30.0

Blown

2423.0ft²

0.015

0.11

Wood

INPUT SUMMARY CHECKLIST REPORT

WALLS																		(Total Exposed Area = 1809 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	19.0	60.0	4	9.0	0	543.0	0.061		0.23	0.75	0 %						
___ 2	E	Exterior	Frame - Wood	Main	19.0	40.0	2	9.0	0	361.5	0.061		0.23	0.75	0 %						
___ 3	S	Exterior	Frame - Wood	Main	19.0	14.0	0	9.0	0	126.0	0.061		0.23	0.75	0 %						
___ 4	S	Exterior	Frame - Wood	Main	19.0	32.0	4	9.0	0	291.0	0.061		0.23	0.75	0 %						
___ 5	S	Exterior	Frame - Wood	Main	19.0	14.0	0	9.0	0	126.0	0.061		0.23	0.75	0 %						
___ 6	W	Exterior	Frame - Wood	Main	19.0	40.0	2	9.0	0	361.5	0.061		0.23	0.75	0 %						

DOORS														(Total Exposed Area = 100 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	6.00	8	40.0ft²						
___ 2	S	Exterior	Insulated	Main	None	0.46	6.00	0	6.00	8	40.0ft²						
___ 3	W	Exterior	Insulated	Main	None	0.46	3.00	0	6.00	8	20.0ft²						

WINDOWS																		(Total Exposed Area = 203 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 0.33	0.26	N	N	18.0	2	3.00	3.00	11.5	2.3	None	None					
___ 2	E	2	Vinyl	Low-E Double	Y 0.33	0.26	N	N	30.0	2	3.00	5.00	1.5	2.3	None	None					
___ 3	E	2	Vinyl	Low-E Double	Y 0.33	0.26	N	N	6.0	1	2.00	3.00	1.5	2.3	None	None					
___ 4	S	3	Vinyl	Low-E Double	Y 0.33	0.26	N	N	15.0	1	3.00	5.00	1.5	2.3	None	None					
___ 5	S	4	Vinyl	Low-E Double	Y 0.33	0.26	N	N	45.0	3	3.00	5.00	9.5	2.3	None	None					
___ 6	S	5	Vinyl	Low-E Double	Y 0.33	0.26	N	N	30.0	2	3.00	5.00	1.5	2.3	None	None					
___ 7	W	6	Vinyl	Low-E Double	Y 0.33	0.26	N	N	30.0	2	3.00	5.00	1.5	2.3	None	None					
___ 8	W	6	Vinyl	Low-E Double	Y 0.33	0.26	N	N	25.0	2	2.50	5.00	1.5	2.3	None	None					
___ 9	W	6	Vinyl	Low-E Double	Y 0.33	0.26	N	N	4.0	1	4.00	1.00	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)	0.00030	1905	104.50	196.18	0.1076	5.2	All	21807 cu ft

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 HeatPump----			Ducts	Block
						Entry	Power	Volt	Current	
___ 1	Electric Heat Pump	None/Single		HSPF2: 7.50	48.0		0.00	0.00	0.00	sys#1 1

INPUT SUMMARY CHECKLIST REPORT

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		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	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	Return R-Value	Area	Leakage Type		Air Handler	CFM 25 TOT	CFM 25 OUT	QN	RLF	HVAC # Heat Cool
	1	Main	6.0	485 ft²	Main	6.0	121 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													
	Schedule Type	1	2	3	4	5	6	Hours 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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 81

The lower the EnergyPerformance Index, the more efficient the home.

„FL,

1. New construction or existing	New (From Plans)	10. Wall Types(1809.0 sqft.)	Insulation	Area
2. Single family or multiple family	Detached	a. Frame - Wood, Exterior	R=19.0	1809.00 ft ²
3. Number of units, if multiple family	1	b. N/A		
4. Number of Bedrooms	4	c. N/A		
5. Is this a worst case?	No	d. N/A		
6. Conditioned floor area above grade (ft ²)	2423	11. Ceiling Types(2423.0 sqft.)	Insulation	Area
Conditioned floor area below grade (ft ²)	0	a. Single assembly, with (Unvented)	R=30.0	2423.00 ft ²
7. Windows**	Description	b. N/A		
a. U-Factor:	Dbl, U=0.33	c. N/A		
SHGC:	SHGC=0.26	12. Roof(Metal, Unvent)	Deck R=40.0	2805 ft ²
b. U-Factor:	N/A	13. Ducts, location & insulation level	R	ft ²
SHGC:		a. Sup: Main, Ret: Main, AH: Main	6	485
c. U-Factor:	N/A	b.		
SHGC:		c.		
Area Weighted Average Overhang Depth:	4.160 ft	14. Cooling Systems	kBtu/hr	Efficiency
Area Weighted Average SHGC:	0.260	a. Central Unit	48.0	SEER2:15.00
8. Skylights	Description	15. Heating Systems	kBtu/hr	Efficiency
U-Factor:(AVG)	N/A	a. Electric Heat Pump	48.0	HSPF2:7.50
SHGC(AVG):	N/A			
9. Floor Types	Insulation	16. Hot Water Systems		
a. Slab-On-Grade Edge Insulation	R= 0.0	a. PropaneTankless	Cap: 1 gallons	
b. N/A	R=		EF: 0.590	
c. N/A	R=	b. Conservation features		
		17. Credits	None	
			CF, Pstat	

I certify that this home has complied with the Florida Energy Efficiency Code for Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: „FL,



*Note: This is not a Building Energy Rating. If your Index is below 70, your home may qualify for energy efficient mortgage (EEM) incentives if you obtain a Florida Energy Rating. For information about the Florida Building Code, Energy Conservation, contact the Florida Building Commission's support staff.

**Label required by Section R303.1.3 of the Florida Building Code, Energy Conservation, if not DEFAULT.