

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 89

The lower the Energy Performance Index, the more efficient the home.

,FL,



1. New construction or existing	New (From Plans)	10. Wall Types(2285.5 sqft.)	Insulation	Area
2. Single family or multiple family	Detached	a. Frame - Wood, Exterior	R=13.0	1871.50 ft ²
3. Number of units, if multiple family	1	b. Frame - Wood, Adjacent	R=13.0	414.00 ft ²
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)	2008	11. Ceiling Types(2008.0 sqft.)	Insulation	Area
Conditioned floor area below grade (ft ²)	0	a. Flat ceiling under att (Vented)	R=30.0	2008.00 ft ²
7. Windows**	Description	b. N/A		
a. U-Factor:	Dbl, U=0.26	c. N/A		
SHGC:	SHGC=0.20	12. Roof(Metal, Vented)	Deck R=0.0	2245 ft ²
b. U-Factor:	N/A	13. Ducts, location & insulation level	R	ft ²
SHGC:		a. Sup: Attic, Ret: Attic, AH: Main	6	402
c. U-Factor:	N/A	b.		
SHGC:		c.		
Area Weighted Average Overhang Depth:	1.500 ft	14. Cooling Systems	kBtu/hr	Efficiency
Area Weighted Average SHGC:	0.200	a. Central Unit	42.0	SEER2:16.00
8. Skylights	Description	15. Heating Systems	kBtu/hr	Efficiency
U-Factor:(AVG)	N/A	a. Electric Heat Pump	42.0	HSPF2:8.20
SHGC(AVG):	N/A	16. Hot Water Systems		
9. Floor Types	Insulation	a. Electric Tankless		Cap: 1 gallons
a. Slab-On-Grade Edge Insulation	R= 0.0	b. Conservation features		EF: 0.920
b. N/A	R=			
c. N/A	R=	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: Curtis Jones Date: 9/16/2024

Address of New Home: 451 SW LEGION DR City/FL Zip: ,FL,
LAKE CITY, FL 32024



*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.

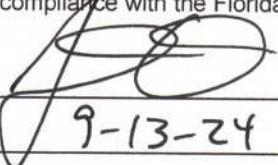
FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name:	Lot 4 Legion Drive	Builder Name:			
Street:		Permit Office:			
City, State, Zip:	, FL,	Permit Number:			
Owner:		Jurisdiction:			
Design Location:	FL, Gainesville	County:	Columbia(Florida Climate Zone 2)		
1. New construction or existing	New (From Plans)	10. Wall Types(2285.5 sqft.)	Insulation	Area	
2. Single family or multiple family	Detached	a. Frame - Wood, Exterior	R=13.0	1871.50 ft ²	
3. Number of units, if multiple family	1	b. Frame - Wood, Adjacent	R=13.0	414.00 ft ²	
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)	2008	11. Ceiling Types(2008.0 sqft.)	Insulation	Area	
Conditioned floor area below grade (ft ²)	0	a. Flat ceiling under att (Vented)	R=30.0	2008.00 ft ²	
7. Windows(201.7 sqft.)	Description	12. Roof(Metal, Vented)	Deck R=0.0	2245 ft ²	
a. U-Factor:	Dbl, U=0.26	13. Ducts, location & insulation level	R	ft ²	
SHGC:	SHGC=0.20	a. Sup: Attic, Ret: Attic, AH: Main	6	402	
b. U-Factor:	N/A	b.			
SHGC:		c.			
c. U-Factor:	N/A	14. Cooling Systems	kBtu/hr	Efficiency	
SHGC:		a. Central Unit	42.0	SEER2:16.00	
Area Weighted Average Overhang Depth:	1.500 ft	15. Heating Systems	kBtu/hr	Efficiency	
Area Weighted Average SHGC:	0.200	a. Electric Heat Pump	42.0	HSPF2:8.20	
8. Skylights	Description	16. Hot Water Systems			
U-Factor:(AVG)	N/A	a. ElectricTankless			
SHGC(AVG):	N/A	b. Conservation features			
9. Floor Types	Insulation	17. Credits			
a. Slab-On-Grade Edge Insulation	R= 0.0				
b. N/A	R=				
c. N/A	R=				
Glass/Floor Area: 0.100	Total Proposed Modified Loads: 51.91	PASS			
	Total Baseline Loads: 58.09				

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: 9-13-24

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT: Justin JonesDATE: 9/16/2024

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: _____

- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.3.2.1.
- Compliance with a proposed duct leakage Qn requires a PERFORMANCE Duct Leakage Test Report confirming duct leakage to outdoors, tested in accordance with ANSI/RESNET/ICC 380, is not greater than 0.030 Qn for whole house.
- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires a PERFORMANCE envelope leakage test report with envelope leakage no greater than 5.24 ACH50 (R402.4.1.2).

INPUT SUMMARY CHECKLIST REPORT

PROJECT

Title:	Lot 4 Legion Drive	Address type:	Street Address
Building Type:	User	Lot #:	---
Owner:		Block/SubDivision:	---
Builder Home ID:		PlatBook:	---
Builder Name:		Street:	
Permit Office:		County:	Columbia
Jurisdiction:		City, State, Zip:	
Family Type:	Detached		
New/Existing:	New (From Plans)		
Year Construct:	2024		
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	2008	18072 cu ft

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Finished	Cooled	Heated
1	Main	2008	18072	Yes	8	4	Yes	Yes	Yes

FLOORS

(Total Exposed Area = 2008 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	245	2008 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	2245 ft ²	502 ft ²	Unf, Gal.	N	0.7	No	0.7	No	0	26.57

ATTIC

#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
1	Full attic	Vented	300	2008 ft ²	N	N

CEILING

(Total Exposed Area = 2008 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	2008.0ft ²	0.030	0.11	Wood

INPUT SUMMARY CHECKLIST REPORT**WALLS**

(Total Exposed Area = 2286 sq.ft.)

✓ #	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	Width In	Height Ft	Height In	Area sq.ft.	U-Factor	Sheath R-Value	Frm. Frac.	Solar Absor.	Below Grade
— 1	N	Exterior	Frame - Wood	Main	13.0	24.0	0	9.0	0	216.0	0.084	0.23	0.75	0 %	
— 2	E	Exterior	Frame - Wood	Main	13.0	20.0	6	9.0	0	184.5	0.084	0.23	0.75	0 %	
— 3	N	Exterior	Frame - Wood	Main	13.0	12.0	0	10.0	0	120.0	0.084	0.23	0.75	0 %	
— 4	E	Exterior	Frame - Wood	Main	13.0	2.0	0	10.0	0	20.0	0.084	0.23	0.75	0 %	
— 5	N	Exterior	Frame - Wood	Main	13.0	33.0	8	10.0	0	336.7	0.084	0.23	0.75	0 %	
— 6	E	Exterior	Frame - Wood	Main	13.0	30.0	0	9.0	0	270.0	0.084	0.23	0.75	0 %	
— 7	S	Exterior	Frame - Wood	Main	13.0	14.0	8	9.0	0	132.0	0.084	0.23	0.75	0 %	
— 8	S	Exterior	Frame - Wood	Main	13.0	31.0	4	10.0	0	313.3	0.084	0.23	0.75	0 %	
— 9	W	Exterior	Frame - Wood	Main	13.0	3.0	0	10.0	0	30.0	0.084	0.23	0.75	0 %	
— 10	W	Garage	Frame - Wood	Main	13.0	46.0	0	9.0	0	414.0	0.084	0.23	0.75	0 %	
— 11	W	Exterior	Frame - Wood	Main	13.0	27.0	8	9.0	0	249.0	0.084	0.23	0.75	0 %	

DOORS

(Total Exposed Area = 117 sq.ft.)

✓ #	Ornt	Adjacent To	Door Type	Space	Storms	U-Value	Width Ft	Width In	Height Ft	Height In	Area
— 1	E	Exterior	Insulated	Main	None	0.46	3.00	0	6.00	8	20.0ft ²
— 2	N	Exterior	Insulated	Main	None	0.46	8.00	0	6.00	8	53.3ft ²
— 3	S	Exterior	Insulated	Main	None	0.46	3.00	0	8.00	0	24.0ft ²
— 4	W	Garage	Insulated	Main	None	0.46	3.00	0	6.00	8	20.0ft ²

WINDOWS

(Total Exposed Area = 202 sq.ft.)

✓ #	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Storm	Total Area (ft ²)	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	30.0	2	3.00	5.00	1.5	1.3	None	None
— 2	N	3	Vinyl	Low-E Double	Y	0.26	0.20	N	N	20.0	2	2.50	4.00	1.5	1.3	None	None
— 3	N	5	Vinyl	Low-E Double	Y	0.26	0.20	N	N	10.7	1	8.00	1.33	1.5	1.3	None	None
— 4	E	6	Vinyl	Low-E Double	Y	0.26	0.20	N	N	15.0	1	3.00	5.00	1.5	1.3	None	None
— 5	E	6	Vinyl	Low-E Double	Y	0.26	0.20	N	N	3.0	1	3.00	1.00	1.5	1.3	None	None
— 6	S	7	Vinyl	Low-E Double	Y	0.26	0.20	N	N	15.0	1	3.00	5.00	1.5	1.3	None	None
— 7	S	8	Vinyl	Low-E Double	Y	0.26	0.20	N	N	72.0	4	3.00	6.00	1.5	1.3	None	None
— 8	S	8	Vinyl	Low-E Double	Y	0.26	0.20	N	N	16.0	2	1.00	8.00	1.5	1.3	None	None
— 9	W	11	Vinyl	Low-E Double	Y	0.26	0.20	N	N	20.0	2	2.00	5.00	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	1578	86.60	162.58	0.1076	5.2	All	18072 cu ft

GARAGE

✓ #	Floor Area	Roof Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
— 1	528 ft ²	528 ft ²	46 ft	9 ft	1

MASS

✓ #	Mass Type	Area	Thickness	Furniture Fraction	Space
— 1	Default(8 lbs/sq.ft.)	0 ft ²	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		
— 1	Electric Heat Pump	None/Single		HSPF2: 8.20	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		SEER2:16.0	42.0		1260	0.75	sys#1 1

HOT WATER SYSTEM

✓ #	System Type	Subtype	Location	EF(UEF)	Cap	Use	SetPnt	Fixture Flow	Pipe Ins.	Pipe length
— 1	Electric	Tankless	Exterior	0.92 (0.92)	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 #	Supply			Return			Leakage Type	Air Handler	CFM 25 TOT	CFM 25 OUT	QN OUT	RLF	HVAC #
	Location	R-Value	Area	Location	R-Value	Area							
— 1	Attic	6.0	402 ft ²	Attic	6.0	100 ft ²	Prop. Leak Free	Main	--	--	0.030	0.50	1 1

TEMPERATURES

Programable Thermostat: Y												
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	Hours											
	1	2	3	4	5	6	7	8	9	10	11	12
— Cooling (WD)	AM 78	PM 80	78 80	78 80	78 80	78 78	78 78	78 78	80 78	80 78	80 78	80 78
— Cooling (WEH)	AM 78	PM 80	78 80	78 80	78 78	78 78	78 78	78 78	80 78	80 78	80 78	80 78
— Heating (WD)	AM 65	PM 68	65 68	65 68	65 68	65 68	65 68	65 68	68 68	68 68	68 68	68 68
— Heating (WEH)	AM 65	PM 68	65 68	65 68	65 68	65 68	65 68	65 68	68 68	68 68	68 68	68 68