

# ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

## ESTIMATED ENERGY PERFORMANCE INDEX\* = 89

The lower the EnergyPerformance 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 <sup>2</sup>
3. Number of units, if multiple family	1	b. Frame - Wood, Adjacent	R=13.0	414.00 ft <sup>2</sup>
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 <sup>2</sup> )	2008	11. Ceiling Types(2008.0 sqft.)	Insulation	Area
Conditioned floor area below grade (ft <sup>2</sup> )	0	a. Flat ceiling under att (Vented)	R=30.0	2008.00 ft <sup>2</sup>
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 <sup>2</sup>
b. U-Factor:	N/A	13. Ducts, location & insulation level	R	ft <sup>2</sup>
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	Cap: 1 gallons	
9. Floor Types	Insulation	a. ElectricTankless	EF: 0.920	
a. Slab-On-Grade Edge Insulation	R= 0.0	b. Conservation features		
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.



Project Name: Lot 4 Legion Drive  
Street:  
City, State, Zip: , FL,  
Owner:  
Design Location: FL, Gainesville

Builder Name:  
Permit Office:  
Permit Number:  
Jurisdiction:  
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 <sup>2</sup>
3. Number of units, if multiple family	1		b. Frame - Wood, Adjacent	R=13.0	414.00 ft <sup>2</sup>
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 <sup>2</sup> )	2008		11. Ceiling Types(2008.0 sqft.)	Insulation	Area
Conditioned floor area below grade (ft <sup>2</sup> )	0		a. Flat ceiling under att (Vented)	R=30.0	2008.00 ft <sup>2</sup>
7. Windows(201.7 sqft.)	Description	Area	b. N/A		
a. U-Factor:	DbI, U=0.26	201.67 ft <sup>2</sup>	c. N/A		
SHGC:	SHGC=0.20		12. Roof(Metal, Vented)	Deck R=0.0	2245 ft <sup>2</sup>
b. U-Factor:	N/A	ft <sup>2</sup>	13. Ducts, location & insulation level	R	ft <sup>2</sup>
SHGC:			a. Sup: Attic, Ret: Attic, AH: Main	6	402
c. U-Factor:	N/A	ft <sup>2</sup>	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	Area	15. Heating Systems	kBtu/hr	Efficiency
U-Factor:(AVG)	N/A	N/A ft <sup>2</sup>	a. Electric Heat Pump	42.0	HSPF2:8.20
SHGC(AVG):	N/A		16. Hot Water Systems		
9. Floor Types	Insulation	Area	a. Electric Tankless	Cap: 1 gallons	
a. Slab-On-Grade Edge Insulation	R= 0.0	2008.00 ft <sup>2</sup>	b. Conservation features	EF: 0.920	
b. N/A	R=	ft <sup>2</sup>			None
c. N/A	R=	ft <sup>2</sup>	17. Credits		CF, Psta

Total Proposed Modified Loads:	51.91
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.

PREPARED BY: \_\_\_\_\_  
DATE: 9-13-24

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.  
OWNER/AGENT: Curtis Jones  
DATE: 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	Bedrooms:	4	Address type:	Street Address
Building Type:	User	Conditioned Area:	2008	Lot #:	---
Owner:		Total Stories:	1	Block/SubDivision:	---
Builder Home ID:		Worst Case:	No	PlatBook:	---
Builder Name:		Rotate Angle:	0	Street:	
Permit Office:		Cross Ventilation:		County:	Columbia
Jurisdiction:		Whole House Fan:		City, State, Zip:	FL,
Family Type:	Detached	Terrain:	Rural		
New/Existing:	New (From Plans)	Shielding:	Moderate/Rural		
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 ft²	502 ft²	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 ft²	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	2008.0ft²	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	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	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	In	Height Ft	In	Area		
___ 1	E	Exterior	Insulated	Main	None	0.46	3.00	0	6.00	8	20.0ft²		
___ 2	N	Exterior	Insulated	Main	None	0.46	8.00	0	6.00	8	53.3ft²		
___ 3	S	Exterior	Insulated	Main	None	0.46	3.00	0	8.00	0	24.0ft²		
___ 4	W	Garage	Insulated	Main	None	0.46	3.00	0	6.00	8	20.0ft²		

  

WINDOWS														(Total Exposed Area = 202 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	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 ft²	528 ft²	46 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 Entry	Heat Pump Power	Current Volt	Ducts	Block
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 #	Location	Supply R-Value	Area	Location	Return R-Value	Area	Leakage Type	Air Handler	CFM 25 TOT	CFM 25 OUT	QN OUT	RLF	HVAC # Heat Cool
1	Attic	6.0	402 ft²	Attic	6.0	100 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