

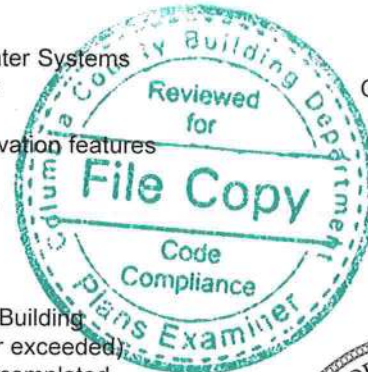
ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 73

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

„FL,

1. New construction or existing	New (From Plans)	10. Wall Types(2626.7 sqft.)	Insulation	Area
2. Single family or multiple family	Detached	a. Frame - Wood, Exterior	R=19.0	2350.00 ft ²
3. Number of units, if multiple family	1	b. Frame - Wood, Adjacent	R=13.0	276.67 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)	2270	11. Ceiling Types(2270.0 sqft.)	Insulation	Area
Conditioned floor area below grade (ft ²)	0	a. Single assembly, no ai (Vented)	R=30.0	2270.00 ft ²
7. Windows**	Description	b. N/A		
a. U-Factor:	DbI, U=0.26	c. N/A		
SHGC:	SHGC=0.20	12. Roof(Comp. Shingles, Unvent) Deck	R=30.0	2628 ft ²
b. U-Factor:	N/A	13. Ducts, location & insulation level	R	ft ²
SHGC:		a. Sup: Main, Ret: Main, AH: Garage	6	454
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	SEER2:14.30
8. Skylights	Description	15. Heating Systems	kBtu/hr	Efficiency
U-Factor:(AVG)	N/A	a. Electric Heat Pump	42.0	HSPF2:7.50
SHGC(AVG):	N/A	16. Hot Water Systems		
9. Floor Types	Insulation	a. Electric	Cap: 50 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: _____

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.

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Vaughn Residence		Builder Name:	
Street:		Permit Office:	
City, State, Zip: , FL,		Permit Number:	
Owner:		Jurisdiction:	
Design Location: FL, Gainesville		County: Columbia(Florida Climate Zone 2)	

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Glass/Floor Area: 0.125	Total Proposed Modified Loads: 48.72	PASS
	Total Baseline Loads: 66.49	

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY:  DATE: 9-20-23 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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- 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 4.72 ACH50 (R402.4.1.2).

INPUT SUMMARY CHECKLIST REPORT

PROJECT

Title:	Vaughn Residence	Bedrooms:	4	Address type:	Street Address
Building Type:	User	Conditioned Area:	2270	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%	Design Temp 2.5%	Int Design Temp Winter	Int Design Temp 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	2270	22700 cu ft

SPACES

✓ Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Finished	Cooled	Heated
1	Main	2270	22700	Yes	8	4	Yes	Yes	Yes

FLOORS

(Total Exposed Area = 2270 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	269	0	2270 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	2628 ft²	662 ft²	Dark	N	0.92	No	0.9	No	30	30.26

ATTIC

✓ #	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
1	No attic	Unvented	0	2270 ft²	N	N

CEILING

(Total Exposed Area = 2270 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	2270.0ft²	0.032	0.11	Wood

INPUT SUMMARY CHECKLIST REPORT

WALLS

(Total Exposed Area = 2627 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	15.0	8	10.0	0	156.7	0.071		0.23	0.75	0 %
___ 2	E	Exterior	Frame - Wood	Main	19.0	13.0	0	10.0	0	130.0	0.071		0.23	0.75	0 %
___ 3	N	Exterior	Frame - Wood	Main	19.0	29.0	8	10.0	0	296.7	0.071		0.23	0.75	0 %
___ 4	N	Garage	Frame - Wood	Main	13.0	27.0	8	10.0	0	276.7	0.094		0.23	0.75	0 %
___ 5	E	Exterior	Frame - Wood	Main	19.0	29.0	2	10.0	0	291.7	0.071		0.23	0.75	0 %
___ 6	S	Exterior	Frame - Wood	Main	19.0	14.0	10	10.0	0	148.3	0.071		0.23	0.75	0 %
___ 7	W	Exterior	Frame - Wood	Main	19.0	2.0	0	10.0	0	20.0	0.071		0.23	0.75	0 %
___ 8	S	Exterior	Frame - Wood	Main	19.0	8.0	4	10.0	0	83.3	0.071		0.23	0.75	0 %
___ 9	E	Exterior	Frame - Wood	Main	19.0	7.0	0	10.0	0	70.0	0.071		0.23	0.75	0 %
___ 10	S	Exterior	Frame - Wood	Main	19.0	31.0	0	10.0	0	310.0	0.071		0.23	0.75	0 %
___ 11	W	Exterior	Frame - Wood	Main	19.0	3.0	0	10.0	0	30.0	0.071		0.23	0.75	0 %
___ 12	S	Exterior	Frame - Wood	Main	19.0	8.0	10	10.0	0	88.3	0.071		0.23	0.75	0 %
___ 13	E	Exterior	Frame - Wood	Main	19.0	7.0	10	10.0	0	78.3	0.071		0.23	0.75	0 %
___ 14	S	Exterior	Frame - Wood	Main	19.0	12.0	4	10.0	0	123.3	0.071		0.23	0.75	0 %
___ 15	W	Exterior	Frame - Wood	Main	19.0	14.0	8	10.0	0	146.7	0.071		0.23	0.75	0 %
___ 16	N	Exterior	Frame - Wood	Main	19.0	6.0	0	10.0	0	60.0	0.071		0.23	0.75	0 %
___ 17	W	Exterior	Frame - Wood	Main	19.0	31.0	8	10.0	0	316.7	0.071		0.23	0.75	0 %

DOORS

(Total Exposed Area = 160 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	12.00	0	8.00	0	96.0ft²
___ 2	N	Garage	Wood	Main	None	0.40	3.00	0	8.00	0	24.0ft²
___ 3	S	Exterior	Insulated	Main	None	0.40	5.00	0	8.00	0	40.0ft²

WINDOWS

(Total Exposed Area = 284 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	3	Vinyl	Low-E Double	Y	0.26	0.20	N	12.0	1	3.00	4.00	1.5	2.3	None	None
___ 2	N	3	Vinyl	Low-E Double	Y	0.26	0.20	N	8.0	2	1.00	4.00	1.5	2.3	None	None
___ 3	E	5	Vinyl	Low-E Double	Y	0.26	0.20	N	20.0	1	4.00	5.00	1.5	2.3	None	None
___ 4	E	5	Vinyl	Low-E Double	Y	0.26	0.20	N	30.0	2	2.50	6.00	1.5	2.3	None	None
___ 5	S	6	Vinyl	Low-E Double	Y	0.26	0.20	N	36.0	2	3.00	6.00	1.5	2.3	None	None
___ 6	S	8	Vinyl	Low-E Double	Y	0.26	0.20	N	8.0	1	2.00	4.00	1.5	2.3	None	None
___ 7	S	10	Vinyl	Low-E Double	Y	0.26	0.20	N	90.0	6	2.50	6.00	1.5	2.3	None	None
___ 8	S	12	Vinyl	Low-E Double	Y	0.26	0.20	N	8.0	1	2.00	4.00	1.5	2.3	None	None
___ 9	S	14	Vinyl	Low-E Double	Y	0.26	0.20	N	36.0	2	3.00	6.00	1.5	2.3	None	None
___ 10	W	17	Vinyl	Low-E Double	Y	0.26	0.20	N	36.0	2	3.00	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)	0.00030	1784	97.90	183.79	0.1010	4.7	All	22700 cu ft

GARAGE

✓ #	Floor Area	Roof Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
___ 1	548 ft²	548 ft²	72 ft	10 ft	1

INPUT SUMMARY CHECKLIST REPORT

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	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		SEER2:14.3	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	Electric	None	Garage	0.92 (0.92)	50.00 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	6.0 454 ft²	Main 6.0 114 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	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	