

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION



Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Dupree Residence 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) 2. Single family or multiple family Detached 3. Number of units, if multiple family 1 4. Number of Bedrooms 3 5. Is this a worst case? No 6. Conditioned floor area above grade (ft²) 1885 Conditioned floor area below grade (ft²) 0 7. Windows(134.9 sqft.) Description Area a. U-Factor: Dbl, U=0.26 134.89 ft² SHGC: SHGC=0.20 b. U-Factor: N/A ft² SHGC: c. U-Factor: N/A ft² SHGC: Area Weighted Average Overhang Depth: 1.500 ft Area Weighted Average SHGC: 0.200 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 1885.00 ft² b. N/A R= ft² c. N/A R= ft²	10. Wall Types(1648.5 sqft.) Insulation Area a. Frame - Wood, Exterior R=13.0 1648.50 ft² b. N/A c. N/A d. N/A 11. Ceiling Types(1885.0 sqft.) Insulation Area a. Flat ceiling under att (Unvented) R=30.0 1885.00 ft² b. N/A c. N/A 12. Roof(Comp. Shingles, Vented) Deck R=0.0 2108 ft² 13. Ducts, location & insulation level R ft² a. Sup: Attic, Ret: Attic, AH: Main 6 377 b. c. 14. Cooling Systems kBtu/hr Efficiency a. Central Unit 36.0 SEER2:15.00 15. Heating Systems kBtu/hr Efficiency a. Electric Heat Pump 36.0 HSPF2:8.50 16. Hot Water Systems Cap: 50 gallons a. Electric EF: 0.920 b. Conservation features 17. Credits None Pstat
--	---

Glass/Floor Area: 0.072	Total Proposed Modified Loads: 46.88	PASS
	Total Baseline Loads: 49.51	

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: 6-21-24 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: _____
--	--

- 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:	Dupree Residence	Bedrooms:	3	Address type:	Street Address
Building Type:	User	Conditioned Area:	1885	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	1885	16965 cu ft

SPACES

✓ Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Finished	Cooled	Heated
___ 1	Main	1885	16965	Yes	6	3	Yes	Yes	Yes

FLOORS

(Total Exposed Area = 1885 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	183	1885 sqft	0	---	0.563	0 (ft)/0 (ft)	0.20	0.60

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	2108 ft²	472 ft²	Dark	N	0.92	No	0.9	No	0	26.57

ATTIC

✓ #	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
___ 1	Full attic	Vented	300	1885 ft²	N	N

CEILING

(Total Exposed Area = 1885 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	1885.0ft²	0.030	0.11	Wood

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 95

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

,,FL,

1. New construction or existing	New (From Plans)	10. Wall Types(1648.5 sqft.)	Insulation	Area
2. Single family or multiple family	Detached	a. Frame - Wood, Exterior	R=13.0	1648.50 ft ²
3. Number of units, if multiple family	1	b. N/A		
4. Number of Bedrooms	3	c. N/A		
5. Is this a worst case?	No	d. N/A		
6. Conditioned floor area above grade (ft ²)	1885	11. Ceiling Types(1885.0 sqft.)	Insulation	Area
Conditioned floor area below grade (ft ²)	0	a. Flat ceiling under att (Unvented)	R=30.0	1885.00 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, Vented) Deck R=0.0		2108 ft ²
b. U-Factor:	N/A	13. Ducts, location & insulation level	R	ft ²
SHGC:		a. Sup: Attic, Ret: Attic, AH: Main	6	377
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	36.0	SEER2:15.00
8. Skylights	Description	15. Heating Systems	kBtu/hr	Efficiency
U-Factor:(AVG)	N/A	a. Electric Heat Pump	36.0	HSPF2:8.50
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		EF: 0.920	
b. N/A	R=	b. Conservation features		
c. N/A	R=			
		17. Credits	None	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.