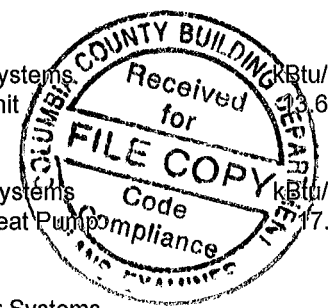


FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Fords Septic Service Street: 116 NW Lawtey Way City, State, Zip: Lake City, FL, 32055 Owner: Design Location: FL, Gainesville	Builder Name: Permit Office: Columbia County Permit Number: Jurisdiction: County: Columbia(Florida Climate Zone 2)
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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: 1 5. Is this a worst case?: No 6. Conditioned floor area above grade (ft²): 900 Conditioned floor area below grade (ft²): 0 7. Windows(99.0 sqft.) Description Area a. U-Factor: Dbl, U=0.36 99.00 ft² SHGC: SHGC=0.25 b. U-Factor: N/A ft² SHGC: c. U-Factor: N/A ft² SHGC: Area Weighted Average Overhang Depth: 3.318 ft Area Weighted Average SHGC: 0.250 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= 0.0 900.00 ft² b. N/A R= ft² c. N/A R= ft²	10. Wall Types(960.0 sqft) Insulation Area a. Concrete Block - Int Insul, Exterior R=4 2 960.00 ft² b. N/A c. N/A d. N/A 11. Ceiling Types(990 0 sqft.) Insulation Area a. Flat ceiling under att (Vented) R=38.0 990.00 ft² b. N/A c. N/A 12. Roof(Metal, Vented) Deck R=0.0 975 ft² 13. Ducts, location & insulation level R ft² a. Sup Attic, Ret: Attic, AH: 1st Floor 6 225 b. c. 14. Cooling Systems Rbtu/hr Efficiency a. Central Unit 33.6 SEER2:16.00 15. Heating Systems Rbtu/hr Efficiency a. Electric Heat Pump 17.5 HSPF2:8 80 16. Hot Water Systems a. Electric Cap: 40 gallons EF: 0.920 b. Conservation features None 17. Credits CV, Pstat
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Glass/Floor Area: 0.110	Total Proposed Modified Loads: 27.06	PASS
	Total Baseline Loads: 28.47	

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: <u>W. C. [Signature]</u> DATE: <u>3 / 2 / 2026</u> 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.
- Default duct leakage does not require a Duct Leakage Test Report.
- 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 7.00 ACH50 (R402.4.1.2).

INPUT SUMMARY CHECKLIST REPORT

PROJECT													
Title	Fords Septic Service			Address type	Street Address								
Building Type	User			Bedrooms	1		Lot #	---					
Owner				Conditioned Area	900		Block/SubDivision	---					
Builder Home ID				Total Stories	1		PlatBook	---					
Builder Name				Worst Case	No		Street	116 NW Lawtey Way					
Permit Office	Columbia County			Rotate Angle	0		County	Columbia					
Jurisdiction				Cross Ventilation	Yes		City, State, Zip	Lake City, FL, 32055					
Family Type	Detached			Whole House Fan	No								
New/Existing	New (From Plans)			Terrain	Suburban								
Year Construct	2026			Shielding	Suburban								
Comment													
CLIMATE													
<input checked="" type="checkbox"/>	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													
<input checked="" type="checkbox"/>	Number	Name	Area	Volume									
___	1	Block1	900	7200 cu ft									
SPACES													
<input checked="" type="checkbox"/>	Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Finished	Cooled	Heated			
___	1	1st Floor	900	7200	Yes	4	1	Yes	Yes	Yes			
FLOORS (Total Exposed Area = 900 sq.ft.)													
<input checked="" type="checkbox"/>	#	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	1st Floor	120	900 sqft	0 0	---	0 304	2 (ft)/0 (ft)	0 00	0 00	1 00	
ROOF													
<input checked="" type="checkbox"/>	#	Type	Materials	Roof Area	Gable Area	Framing Fract	Roof Color	Rad Barr	Solar Absor	SA Tested	Emitt Tested	Deck Insul	Pitch (deg)
___	1	Hip	Metal	975 ft²	0 ft²	0 11	Medium	Y	0 96	No	0 9	No	0 22 62
ATTIC													
<input checked="" type="checkbox"/>	#	Type	Ventilation		Vent Ratio (1 in)	Area	RBS	IRCC					
___	1	Full attic	Vented		300	900 ft²	Y	N					
CEILING (Total Exposed Area = 990 sq.ft.)													
<input checked="" type="checkbox"/>	#	Ceiling Type	Space	R-Value	Ins Type	Area	U-Factor	Framing Frac.	Truss Type				
___	1	Flat ceiling under attic(Vented)	1st Floor	38 0	Double Batt	990.0ft²	0 024	0 11	Wood				

INPUT SUMMARY CHECKLIST REPORT

WALLS														(Total Exposed Area = 960 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	E	Exterior	Conc Blk - Int Ins	1st Floor	4 2	30 0	0	8 0	0	240 0	0 147		0	0 75	0 0 %	
___ 2	N	Exterior	Conc Blk - Int Ins	1st Floor	4 2	30 0	0	8 0	0	240 0	0 147		0	0 75	0 0 %	
___ 3	S	Exterior	Conc Blk - Int Ins	1st Floor	4 2	30 0	0	8 0	0	240 0	0 147		0	0 75	0 0 %	
___ 4	W	Exterior	Conc Blk - Int Ins	1st Floor	4 2	30 0	0	8 0	0	240 0	0 147		0	0 75	0 0 %	

DOORS												(Total Exposed Area = 40 sq.ft.)		
✓ #	Ornt	Adjacent To	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area			
___ 1	E	Exterior	Insulated	1st Floor	None	0 46	3 00	0	6 00	8	20 Off²			
___ 2	N	Exterior	Insulated	1st Floor	None	0 46	3 00	0	6 00	8	20 Off²			

WINDOWS														(Total Exposed Area = 99 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	E	1	Vinyl	Low-E Double	Y 0 36	0 25	N	N	30 0	2	3 00	5 00	7 5	0 5	None	None
___ 2	N	2	Vinyl	Low-E Double	Y 0 36	0 25	N	N	15 0	1	3 00	5 00	1 5	0 5	None	None
___ 3	S	3	Vinyl	Low-E Double	Y 0 36	0 25	N	N	9 0	1	3 00	3 00	1 5	0 5	None	None
___ 4	W	4	Vinyl	Low-E Double	Y 0 36	0 25	N	N	45 0	3	3 00	5 00	1 5	0 5	None	None

INFILTRATION										
✓ #	Scope	Method	SLA	CFM50	ELA	EqLA	ACH	ACH50	Space(s)	Infiltration Test Volume
___ 1	Wholehouse	Proposed ACH(50)	0 00036	840	46 08	86 52	0 1372	7 0	All	7200 cu ft

MASS					
✓ #	Mass Type	Area	Thickness	Furniture Fraction	Space
___ 1	Default(8 lbs/sq ft)	0 ft²	0 ft	0 30	1st Floor

HEATING SYSTEM										
✓ #	System Type	Subtype/Speed	AHRI #	Efficiency	Capacity kBtu/hr	---Geothermal HeatPump--- Entry	Power	Heat Pump Volt	Ducts Current	Block
___ 1	Electric Heat Pump	None/Single		HSPF2 8 80	17 5		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	13 6	420	0 75	sys#1	1

INPUT SUMMARY CHECKLIST REPORT

HOT WATER SYSTEM

✓ #	System Type	Subtype	Location	EF(UEF)	Cap	Use	SetPnt	Fixt Flow	Trap	Pipe Ins	Pipe length
___ 1	Electric	None	1st Floor	0.92 (0.92)	40.0 gal	40 gal	120 deg	Standard	Yes	None	12
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----- Location	R-Value	Area	-----Return----- Location	R-Value	Area	Leakage Type	AHU Location	CFM 25 TOT OUT	QN OUT	AHU SEALED	RLF	HVAC # Heat Cool
___ 1	Attic	6.0	225 ft²	Attic	6.0	45 ft²	Default Leakage	1st Floor	(Default)	(Default)			1 1

TEMPERATURES

Programable Thermostat Y			Ceiling Fans N											
Cooling	<input type="checkbox"/> Jan	<input type="checkbox"/> Feb	<input type="checkbox"/> Mar	<input type="checkbox"/> Apr	<input type="checkbox"/> May	<input checked="" type="checkbox"/> Jun	<input checked="" type="checkbox"/> Jul	<input checked="" type="checkbox"/> Aug	<input checked="" type="checkbox"/> Sep	<input type="checkbox"/> Oct	<input type="checkbox"/> Nov	<input type="checkbox"/> Dec		
Heating	<input checked="" type="checkbox"/> Jan	<input checked="" type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input type="checkbox"/> Apr	<input type="checkbox"/> May	<input type="checkbox"/> Jun	<input type="checkbox"/> Jul	<input type="checkbox"/> Aug	<input type="checkbox"/> Sep	<input type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input checked="" type="checkbox"/> Dec		
Venting	<input type="checkbox"/> Jan	<input type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input checked="" type="checkbox"/> Apr	<input type="checkbox"/> May	<input type="checkbox"/> Jun	<input type="checkbox"/> Jul	<input type="checkbox"/> Aug	<input type="checkbox"/> Sep	<input checked="" type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input type="checkbox"/> Dec		
✓ Thermostat Schedule	Schedule Type	HERS 2006 Reference	Hours											
			1	2	3	4	5	6	7	8	9	10	11	12
___ Cooling (WD)	AM PM	78 80	78 80	78 78	78 78	78 78	78 78	78 78	78 78	78 78	80 78	80 78	80 78	80 78
___ Cooling (WEH)	AM PM	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78
___ Heating (WD)	AM PM	66 68	66 68	66 68	66 68	66 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	68 66
___ Heating (WEH)	AM PM	66 68	66 68	66 68	66 68	66 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	68 66

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 95

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

116 NW Lawtey Way, Lake City, FL, 32055

1. New construction or existing	New (From Plans)	10 Wall Types(960.0 sqft.)	Insulation	Area
2. Single family or multiple family	Detached	a. Concrete Block - Int Insul, Exterior	R=4.2	960.00 ft ²
3. Number of units, if multiple family	1	b. N/A		
4. Number of Bedrooms	1	c. N/A		
5. Is this a worst case?	No	d. N/A		
6. Conditioned floor area above grade (ft ²)	900	11. Ceiling Types(990.0 sqft.)	Insulation	Area
Conditioned floor area below grade (ft ²)	0	a. Flat ceiling under att (Vented)	R=38 0	990.00 ft ²
7 Windows**	Description	Area		
a U-Factor	Dbl, U=0.36	99.00 ft ²		
SHGC:	SHGC=0.25			
b U-Factor:	N/A	ft ²		
SHGC:				
c. U-Factor.	N/A	ft ²		
SHGC:				
Area Weighted Average Overhang Depth	3.318 ft	12. Roof(Metal, Vented)	Deck R=0.0	975 ft ²
Area Weighted Average SHGC:	0 250	13. Ducts, location & insulation level	R	ft ²
8. Skylights	Description	Area		
U-Factor (AVG)	N/A	N/A ft ²		
SHGC(AVG):	N/A			
9. Floor Types	Insulation	Area		
a Slab-On-Grade Edge Insulation	R= 0.0	900.00 ft ²		
b N/A	R=	ft ²		
c. N/A	R=	ft ²		
			14 Cooling Systems	kBtu/hr Efficiency
			a. Central Unit	13.6 SEER2:16.00
			15. Heating Systems	kBtu/hr Efficiency
			a Electric Heat Pump	17 5 HSPF2:8.80
			16 Hot Water Systems	
			a. Electric	Cap: 40 gallons
				EF: 0.920
			b Conservation features	
				None
			17. Credits	CV, 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 116 NW Lawtey Way City/FL Zip. Lake City, FL, 32055



*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.

Envelope Leakage Test Report (Blower Door Test)

Residential Prescriptive, Performance or ERI Method Compliance

2023 Florida Building Code, Energy Conservation, 8th Edition

Jurisdiction:	Permit #:
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Job Information

Builder:	Community:	Lot:	NA
Address: 116 NW Lawtey Way			
City: Lake City	State: FL	Zip: 32055	

Air Leakage Test Results Passing results must meet either the Performance, Prescriptive, or ERI Method

- PRESCRIPTIVE METHOD**-The building or dwelling unit shall be tested and verified as having an air leakage rate of not exceeding 7 air changes per hour at a pressure of 0.2 Inch w.g. (50 Pascals) in Climate Zones 1 and 2.
- PERFORMANCE or ERI METHOD**-The building or dwelling unit shall be tested and verified as having an air leakage rate of not exceeding the selected ACH(50) value, as shown on Form R405-2023 (Performance) or R406-2023 (ERI), section labeled as Infiltration, sub-section ACH50. *ACH(50) specified on Form R405-2023-Energy Calc (Performance) or R406-2023 (ERI)* 7.000

$\frac{\text{CFM}(50)}{\text{Building Volume}} \times 60 \div \frac{7200}{\text{ACH}(50)} = \text{ACH}(50)$ <div style="text-align: center; margin-top: 10px;"> <input type="checkbox"/> PASS </div> <p><input type="checkbox"/> When ACH(50) is less than 3, Mechanical Ventilation installation must be verified by building department.</p>	<p><u>Method for calculating building volume:</u></p> <p><input type="radio"/> Retrieved from architectural plans</p> <p><input checked="" type="radio"/> Code software calculated</p> <p><input type="radio"/> Field measured and calculated</p>
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R402.4.1.2 Testing. The building or dwelling unit shall be tested and verified as having an air leakage rate not exceeding seven air changes per hour in Climate Zones 1 and 2, and three air changes per hour in Climate Zones 3 through 8. Dwelling units with an air leakage rate less than three air changes per hour shall be provided with whole-house mechanical ventilation in accordance with Section R403.6.1 of this code and Section M1507.3 of the *Florida Building Code, Residential*. Testing shall be conducted in accordance with ANSI/RESNET/ICC 380 and reported at a pressure of 0.2 inch w.g. (50 Pascals). Testing shall be conducted by either individuals as defined in Section 553.993(5) or (7), *Florida Statutes*, or individuals licensed as set forth in Section 489.105(3)(f), (g), or (i) or an approved third party. A written report of the results of the test shall be signed by the party conducting the test and provided to the ~~trade~~ *code official*. Testing shall be performed at any time after creation of all penetrations of the *building thermal envelope*.

During testing

- 1 Exterior windows and doors, fireplace and stove doors shall be closed, but not sealed, beyond the intended weatherstripping or other infiltration control measures
- 2 Dampers including exhaust, intake, makeup air, back draft and flue dampers shall be closed, but not sealed beyond intended infiltration control measures
- 3 Interior doors, if installed at the time of the test, shall be open
- 4 Exterior doors for continuous ventilation systems and heat recovery ventilators shall be closed and sealed
- 5 Heating and cooling systems, if installed at the time of the test, shall be turned off
- 6 Supply and return registers, if installed at the time of the test, shall be fully open
- 7 If an attic is both sealed and insulated at the roof deck, interior access doors and hatches between the conditioned space volume and the attic shall be opened during the test and the volume of the attic shall be added to the conditioned space volume for purposes of reporting the infiltration volume and calculating the air leakage of the home

Testing Company

Company Name _____ Phone _____

I hereby verify that the above Air Leakage results are in accordance with the 2023 8th Edition Florida Building Code Energy Conservation requirements according to the compliance method selected above

Signature of Tester: _____ Date of Test: _____

Printed Name of Tester: _____

License/Certification #: _____ Issuing Authority: _____