FORM R405-2023

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name:	Virginia Bing	Builder Name:	Florida Homes, Inc.
Street:	524 SW Jordan Street	Permit Office:	Columbia
City, State, Zip:	Fort White, FL, 32038	Permit Number:	
Owner:	Virginia Bing	Jurisdiction:	221000
Design Location:	FL, Gainesville	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	2
5. Is this a worst case?	No
6. Conditioned floor area above grade (ft²)	1001
Conditioned floor area below grade (ft²)	0

7. Windows(76.4 sqft.)	Description	Area
a. U-Factor:	Dbl, U=0.47	76.39 ft²
SHGC:	SHGC=0.31	
b. U-Factor:	N/A	ft²
SHGC:		
c. U-Factor:	N/A	ft²
SHGC:		
Area Weighted Average Overhang Depth:		1.032 ft
Area Weighted Average SHGC:		0.310

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	1000.10 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

10. Wall Types(1040.0 sqft.)	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	1040.00 ft²
b. N/A		
c. N/A		
d. N/A		

11. Ceiling Types(1001.0 sqft.)	Insulation	Area
a. Flat ceiling under att (Vented)	R=38.0	1001.00 ft²
b. N/A		
c. N/A		

12. Roof(Comp. Shingles, Vented)	Deck R=0.0	1054 ft²

13. Ducts, location & insulation level	R	ft²
a. Sup: Attic, Ret: Attic, AH: Utility	6	112
b.		
c.		

14. Cooling Systems	kBtu/hr	Efficiency
a. Central Unit	22.6	SEER2:15.00

15. Heating Systems	kBtu/hr	Efficiency
a. Electric Heat Pump	22.6	HSPF2:7.50

16. Hot Water Systems	
a. Electric	Cap: 40 gallons EF: 0.920
b. Conservation features	None
17. Credits	CF, Pstat

Glass/Floor Area: 0.076

Total Proposed Modified Loads: 25.74

Total Baseline Loads: 28.78

PASS

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: 11/10/2025

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

OWNER/AGENT: _____

DATE: 11-10-25

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.

- 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 5.20 ACH50 (R402.4.1.2).

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INPUT SUMMARY CHECKLIST REPORT

PROJECT

Title:	Virginia Bing			Address type:	Street Address
Building Type:	User	Bedrooms:	2	Lot #:	---
Owner:	Virginia Bing	Conditioned Area:	1001	Block/SubDivision:	---
Builder Home ID:		Total Stories:	1	PlatBook:	---
Builder Name:	Florida Homes, Inc.	Worst Case:	No	Street:	524 SW Jordan Street
Permit Office:	Columbia	Rotate Angle:	0	County:	Columbia
Jurisdiction:	221000	Cross Ventilation:	No	City, State, Zip:	Fort White, FL, 32038
Family Type:	Detached	Whole House Fan:	No		
New/Existing:	New (From Plans)	Terrain:	Suburban		
Year Construct:	2025	Shielding:	Suburban		
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	Entire House	1001	8008 cu ft

SPACES

✓	Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Finished	Cooled	Heated
___	1	Bedroom #2	150	1200	No	1	1	Yes	Yes	Yes
___	2	Bedroom #1	170	1360	No	2	1	Yes	Yes	Yes
___	3	Utility	65	520	No	0		Yes	Yes	Yes
___	4	Bathrm	82	656	No	0		Yes	Yes	Yes
___	5	Kitchen/Dining	205	1640	Yes	0		Yes	Yes	Yes
___	6	Living Room	329	2632	No	0		Yes	Yes	Yes

FLOORS (Total Exposed Area = 1000 sq.ft.)

✓	#	Floor Type	Space	Exposed Perim(ft)	Area	R-Value Perim.	R-Value Joist	U-Factor	Slab Insul. Vert/Horiz	Tile	Wood	Carpet
___	1	Slab-On-Grade Edge Ins	Bedroom #2	26	149.5 sqft	0.0	---	0.473	2 (ft)/0 (ft)	0.00	1.00	0.00
___	2	Slab-On-Grade Edge Ins	Bedroom #1	27.5	169.8 sqft	0.0	---	0.473	2 (ft)/0 (ft)	0.00	1.00	0.00
___	3	Slab-On-Grade Edge Ins	Utility	6.5	65 sqft	0.0	---	0.473	2 (ft)/0 (ft)	0.00	1.00	0.00
___	4	Slab-On-Grade Edge Ins	Bathrm	5.5	82.3 sqft	0.0	---	0.473	2 (ft)/0 (ft)	0.00	1.00	0.00
___	5	Slab-On-Grade Edge Ins	Kitchen/Dining	30.5	205 sqft	0.0	---	0.473	2 (ft)/0 (ft)	0.00	1.00	0.00
___	6	Slab-On-Grade Edge Ins	Living Room	34	328.5 sqft	0.0	---	0.473	2 (ft)/0 (ft)	0.00	1.00	0.00

ROOF

✓	#	Type	Materials	Roof Area	Gable Area	Framing. Fract.	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
___	1	Hip	Composition shingles	1054 ft²	0 ft²	0.11	Medium	N	0.9	No	0.9	No	0	18.43

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ATTIC

√ #	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
___1	Full attic	Vented	150	1000 ft²	N	N

CEILING (Total Exposed Area = 1001 sq.ft.)

√ #	Ceiling Type	Space	R-Value	Ins. Type	Area	U-Factor	Framing Frac.	Truss Type
___1	Flat ceiling under attic(Vented)	Bedroom #2	38.0	Blown	150.0ft²	0.049	0.10	Wood
___2	Flat ceiling under attic(Vented)	Bedroom #1	38.0	Blown	170.0ft²	0.049	0.10	Wood
___3	Flat ceiling under attic(Vented)	Utility	38.0	Blown	65.0ft²	0.049	0.10	Wood
___4	Flat ceiling under attic(Vented)	Bathrm	38.0	Blown	82.0ft²	0.049	0.10	Wood
___5	Flat ceiling under attic(Vented)	Kitchen/Dining	38.0	Blown	205.0ft²	0.049	0.10	Wood
___6	Flat ceiling under attic(Vented)	Living Room	38.0	Blown	329.0ft²	0.049	0.10	Wood

WALLS (Total Exposed Area = 1040 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	E	Exterior	Frame - Wood	Bedroom #2	13.0	13.0	0	8.0	0	104.0	0.095	0	0.25	0.23	0.0 %
___2	S	Exterior	Frame - Wood	Bedroom #2	13.0	13.0	0	8.0	0	104.0	0.095	0	0.25	0.23	0.0 %
___3	N	Exterior	Frame - Wood	Bedroom #1	13.0	15.0	6	8.0	0	124.0	0.095	0	0.25	0.23	0.0 %
___4	E	Exterior	Frame - Wood	Bedroom #1	13.0	12.0	0	8.0	0	96.0	0.095	0	0.25	0.23	0.0 %
___5	S	Exterior	Frame - Wood	Utility	13.0	6.0	6	8.0	0	52.0	0.095	0	0.25	0.23	0.0 %
___6	N	Exterior	Frame - Wood	Bathrm	13.0	5.0	6	8.0	0	44.0	0.095	0	0.25	0.23	0.0 %
___7	S	Exterior	Frame - Wood	Kitchen/Dining	13.0	20.0	6	8.0	0	164.0	0.095	0	0.25	0.23	0.0 %
___8	W	Exterior	Frame - Wood	Kitchen/Dining	13.0	10.0	0	8.0	0	80.0	0.095	0	0.25	0.23	0.0 %
___9	N	Exterior	Frame - Wood	Living Room	13.0	19.0	0	8.0	0	152.0	0.095	0	0.25	0.23	0.0 %
___10	W	Exterior	Frame - Wood	Living Room	13.0	15.0	0	8.0	0	120.0	0.095	0	0.25	0.23	0.0 %

DOORS (Total Exposed Area = 40 sq.ft.)

√ #	Ornt	Adjacent To	Door Type	Space	Storms	U-Value	Width Ft	Width In	Height Ft	Height In	Area
___1	S	Exterior	Insulated	Kitchen/Dining	Metal	0.29	3.00	0	6.00	8	20.0ft²
___2	N	Exterior	Insulated	Living Room	Metal	0.29	3.00	0	6.00	8	20.0ft²

WINDOWS (Total Exposed Area = 76 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	S	2	Vinyl	Low-E Double	Y	0.47	0.31	N	N	15.0	1	3.00	5.00	1.0	0.8	Drapes/blinds	Ex. 50%
___2	N	3	Vinyl	Low-E Double	Y	0.47	0.31	N	N	15.0	1	3.00	5.00	1.0	0.8	Drapes/blinds	Ex. 50%
___3	S	7	Vinyl	Low-E Double	Y	0.47	0.31	N	N	9.0	1	3.00	3.00	1.0	0.8	Drapes/blinds	Ex. 50%
___4	S	7	Vinyl	Low-E Double	Y	0.47	0.31	N	N	7.4	1	2.33	3.17	1.3	0.8	Drapes/blinds	Ex. 50%
___5	N	9	Vinyl	Low-E Double	Y	0.47	0.31	N	N	15.0	1	3.00	5.00	1.0	0.8	Drapes/blinds	Ex. 50%
___6	W	10	Vinyl	Low-E Double	Y	0.47	0.31	N	N	15.0	1	3.00	5.00	1.0	0.8	Drapes/blinds	Ex. 50%

INFILTRATION

√ #	Scope	Method	SLA	CFM50	ELA	EqLA	ACH	ACH50	Space(s)	Infiltration Test Volume
___1	Wholehouse	Proposed ACH(50)	0.00026	694	38.08	71.48	0.1019	5.2	All	8008 cu ft

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MASS

√ #	Mass Type	Area	Thickness	Furniture Fraction	Space
___ 1	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Bedroom #2
___ 2	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Bedroom #1
___ 3	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Utility
___ 4	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Bathrm
___ 5	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Kitchen/Dining
___ 6	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Living Room

HEATING SYSTEM

√ #	System Type	Subtype/Speed	AHRI #	Efficiency	Capacity kBtu/hr	----Geothermal HeatPump---- Entry	Power	Volt	Current	Ducts	Block
___ 1	Electric Heat Pump	Split/Single		HSPF2: 7.50	22.6		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	Split/Single		SEER2:15.0	22.6	800	0.70	sys#1	1

HOT WATER SYSTEM

√ #	System Type	Subtype	Location	EF(UEF)	Cap	Use	SetPnt	Fixt. Flow	Trap	Pipe Ins.	Pipe length
___ 1	Electric	None	Utility	0.92 (0.92)	40.0 gal	61 gal	120 deg	Low	Yes	None	73

	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	Supply R-Value	Supply Area	Return Location	Return R-Value	Return Area	Leakage Type	AHU Location	CFM 25 TOT|OUT	QN OUT	AHU SEALED	RLF	HVAC # Heat	HVAC # Cool
___ 1	Attic	6.0	112 ft²	Attic	6.0	39 ft²	Default Leakage	Utility	(Default) (Default)				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		Hours 1	2	3	4	5	6	7	8	9	10	11	12
___ Cooling (WD)	AM	78	78	78	78	78	78	78	78	80	80	80	80
	PM	80	80	78	78	78	78	78	78	78	78	78	78
___ Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
___ Heating (WD)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66

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TEMPERATURES(Continued)													
___ Heating (WEH)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66

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ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 89

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

524 SW Jordan Street,Fort White,FL,32038

1. New construction or existing			New (From Plans)
2. Single family or multiple family			Detached
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4. Number of Bedrooms			2
5. Is this a worst case?			No
6. Conditioned floor area above grade (ft²)			1001
Conditioned floor area below grade (ft²)			0
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SHGC:	SHGC=0.31		
b. U-Factor:	N/A		ft²
SHGC:			
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SHGC:			
Area Weighted Average Overhang Depth:			1.032 ft
Area Weighted Average SHGC:			0.310
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	1000.10 ft²
b. N/A		R=	ft²
c. N/A		R=	ft²

10. Wall Types(1040.0 sqft.)	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	1040.00 ft²
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13. Ducts, location & insulation level		R ft²
a. Sup: Attic, Ret: Attic, AH: Utility		6 112
b.		
c.		
14. Cooling Systems	kBtu/hr	Efficiency
a. Central Unit	22.6	SEER2:15.00
15. Heating Systems	kBtu/hr	Efficiency
a. Electric Heat Pump	22.6	HSPF2:7.50
16. Hot Water Systems		
a. Electric		Cap: 40 gallons
		EF: 0.920
b. Conservation features		None
17. Credits		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: Rh Allen, agent Date: 11-10-25

Address of New Home: 524 SW Jordan Street City/FL Zip: Fort White,FL,32038

*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.