FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Street: 352 SW Buttercup Lane City, State, Zip: Lake City, FL, 32025 Owner: Design Location: FL, Gainesville	Permit Office: Columbia County Permit Number: Jurisdiction: County: Columbia(Florida Climate Zone 2)
1. New construction or existing 2. Single family or multiple family 3. Number of units, if multiple family 4. Number of Bedrooms 5. Is this a worst case? 6. Conditioned floor area above grade (ft²) Conditioned floor area below grade (ft²) 7. Windows(177.0 sqft.) 8. U-Factor: BHGC: SHGC: SHGC=0.25 b. U-Factor: SHGC: C. U-Factor: SHGC: C. U-Factor: SHGC: Area Weighted Average Overhang Depth: Area Weighted Average SHGC: Net (From Plans) Arew (From Plans) Detached Area (Ft²) 1841 Conditioned floor area above grade (ft²) 0 1841 Conditioned floor area above grade (ft²) 1841 Conditioned floor area above grade (ft²) 0 1841 Conditioned floor area above grade (ft²) 1841 Conditioned floor area	10. Wall Types (1713.0 sqft.) Insulation Area a. Frame - Wood, Exterior R=13.0 1477.50 ft² b. Frame - Wood, Adjacent R=13.0 235.50 ft² c. N/A d. N/A 11. Ceiling Types (1933.0 sqft.) Insulation Area a. Flat ceiling under att (Vented) R=38.0 1933.00 ft² b. N/A c. N/A 12. Roof (Comp. Shingles, Vented) Deck R=0.0 2213 ft² 13. Ducts, location & insulation level R ft² a. Sup: Attic, Ret: Attic, AH: 1st Floor 6 460 b. c. 14. Cooling Systems kBtu/hr Efficiency a. Central Unit 21.9 SEER:14.00
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 BR = 0.0 1841.00 ft² b. N/A R R ft² c. N/A R R ft²	15. Heating Systems a. Electric Heat Pump 27.3 HSPF:8.20 16. Hot Water Systems a. Electric Cap: 50 gallons EF: 0.920 b. Conservation features None
Glass/Floor Area: 0.096 Total Proposed Modification Total Base	
I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY: 3 / 2 / 2022 I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. OWNER/AGENT: DATE: - Compliance requires certification by the air handler unit response to the content of the	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 5.00 ACH50 (R402.4.1.2).

INPUT SUMMARY CHECKLIST REPORT

				PRO.	JECT						
Title: Building Type: Owner: Builder Name: Permit Office: Jurisdiction: Family Type: New/Existing: Year Construct: Comment:	352 SW Buttercup User Columbia County Detached New (From Plans) 2023		Bedroom Condition Total Sto Worst Ca Rotate Al Cross Ve Whole Ho Terrain: Shielding	ned Area: ries: se: ngle: ntilation: ouse Fan:	4 1841 1 No 0 Yes No Suburban Suburban	Lot a Bloo Plat Stre Cou	k/SubDivisio Book: et:	Street Addi on: 352 SW Bu Columbia Lake City, FL, 32025		ne	
				CLIM	IATE						
Design Location		Tmy Site		Desi 97.5%	gn Temp 2.5%	Int Desiç Winter	gn Temp Summer	Heating Degree Days	Design Moisture	Dail Rar	ly temp nge
FL, Gainesville	e F	L_GAINESVILLE_	REGIONA	32	92	70	75	1305.5	51	Mediu	ım
				BLO	CKS						
Number	Name	Area	Vo	ume							
1	Block1	1841	16	569 cu ft							
				SPA	CES						
Number	Name	Area	Volume	Kitchen	Occupants	Bed	rooms	Finished	Coole	ed H	eated
1	1st Floor	1841	16569	Yes	8		4	Yes	Yes	3	Yes
				FLO	ORS	(Total Ex	posed Are	ea = 184	41 sq.	ft.)
/# Floor Ty	ре	Space	Exposed	Perim I	Perimeter R-Va	lue Area	u-Factor	r Joist R-Value	e Tile W	lood	Carpet
1 Slab-On-G	rade Edge Ins	1st Floor	19	8	0	1841	ft 0.304		0.00	0.00	1.00
				RO	OF						
√# Type		Materials		loof .rea	Gable Roof Area Color	Rad Barr		SA Emitt Tested	Emitt Tested	Deck Insul.	Pitch (deg)
1 Hip	(composition shingle	s 22	13 ft²	0 ft ² Mediur	n Y	0.96	No 0.9	No	0	33.69
				ΑТ	TIC						
/# Type		Ventilation		Vent F	Ratio (1 in)	Area	RBS	IRCC			
1 Full attic		Vented		;	300	1841 ft²	Υ	N			
				CEIL	.ING	(Total Ex	posed Are	ea = 190	33 sq.	ft.)
/# Ceiling T	ype		Space	R-Va	alue Ins. Typ	oe Ar	ea U-Fa	actor Framinç	g Frac.	Truss	з Туре
1 Flat ceiling	under attic(Vented)	16	st Floor	38	0 Double F	Batt 1933	3.0ft² 0.0	0.1	1	\/\/	ood

INPUT SUMMARY CHECKLIST REPORT

							WA	ALLS	3		(T	ota	al Expo	sed	Area =	171	3 sq.f	t.)
√# Ornt	Adja T		Wall Type		Space			vity Value	Width Ft I		Heig Ft		Area sq.ft.	U- Factor	Sheath R-Value		Solar . Absor.	Below Grade
1 N 2 N 3 W 4 S 5 W 6 S 7 E 8 S 9 S 10 E		Exterior Garage Exterior Exterior Exterior Exterior Exterior Exterior Exterior	Frame - Wood Frame - Wood	1st Floor 1st Floor 1st Floor 1st Floor 1st Floor 1st Floor 1st Floor 1st Floor		Floor 13.0 Floor 13.0 Floor 13.0 Floor 13.0 Floor 13.0 Floor 13.0 Floor 13.0 Floor 13.0 Floor 13.0		13.0 13.0 13.0 13.0 13.0 13.0 13.0	32.0 26.0 18.0 3.0 18.0 25.0 8.0 16.0 12.0 29.0	2 4 6 0 8 0 6 8 4	9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0	0 0 0 0 0 0 0	289.5 235.5 165.0 31.5 162.0 231.0 72.0 148.5 114.0 264.0	0.084 0.084 0.084 0.084 0.084 0.084		0.23 0.23 0.23 0.23 0.23 0.23 0.23 0.23	0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75	0 % 0 % 0 % 0 % 0 % 0 % 0 % 0 %
DOORS (Total Exposed Area = 40 sq.ft.)																		
√# Ornt	1	Adjacent	To Door Type		Space			Stor	ms		U-Val	ue		idth t In		eight In	Are	ea
1 N		Exterior Insulated 1st Floor Garage Insulated 1st Floor				None None							6.00 6.00	8 8	20.0 20.0			
WINDOWS (Total Exposed Area = 177 sq.ft.)																		
√# Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Storm	Total Area (ft²)			idth ft)	Height (ft)	Overl Depth (ft)	0	Interior	Shade	Screen
1 N 2 W 3 S 4 S 5 S 6 S 7 E	1 3 6 6 8 9 10	Vinyl Vinyl Vinyl Vinyl TIM Vinyl Vinyl	Low-E Double Low-E Double Low-E Double Low-E Double Low-E Double Low-E Double	Y Y Y Y Y	0.36 0.36 0.36 0.36 0.36 0.36 0.36	0.25 0.25 0.25 0.25 0.25 0.25 0.25	N N N N N N	N N N N N N	60.0 16.0 30.0 12.0 40.0 15.0 4.0		1 4. 2 3. 1 4. 2 3. 1 3.	.00 .00 .00 .00 .00 .00	5.00 4.00 5.00 3.00 6.67 5.00 1.00	4.5 1.5 1.5 1.5 9.5 1.5	1.0 1.0 1.0 1.0 1.0 1.0	No No No No No No	ne ne ne ne ne	None None None None None None
						INF	ILT	RAT	TION									
√# Sco			ethod			CFM50		ELA	EqL						Infiltration Test \		Volume	
1 vv	noienou	se Prop	oosed ACH(50)	0.00	0029	1381		5.75	142.	.22	0.102	21	5.0	A	II .	16569	cu π	
								RAG										
V #	F	loor Area	F	Roof Are	a	Ex	posed	d Wall F	Perimete	er		Avg	. Wall Hei	ight	Expo	sed Wa	all Insula	tion
1	1 539 ft² 539 ft²							66 ft			9 ft				1			
							M	ASS										
√# Ma	ass Type	<u></u> -		Ar	ea		Т	hicknes	ss		Furniture Fraction			;	Space			
1 De	efault(8 l	bs/sq.ft.)		0	ft²		0 ft			0.30			,	1st Floor				

INPUT SUMMARY CHECKLIST REPORT

						НЕ	EATING	SYST	ГЕМ						
\/ #	Sys	stem Type		Sub	otype/Spee	d	AHRI#	Efficienc		ipacity 3tu/hr En	Geothe try Pov		atPump /olt Curre		Block
	1 Elec	ctric Heat Pur	np	No	one/Single			HSPF: 8.2	20 2	27.3	0.0	0 0	0.00	0 sys#1	1
						CC	OOLING	SYS	ГЕМ						
\/ #	. Sys	stem Type		Sub	otype/Spee	d	AHRI#	Efficier	псу	Capacity kBtu/hr		r Flow cfm	SHR	Duct	Block
	1 Cer	ntral Unit			None/Sing	le		SEER:	14.0 2	21.9	(660	0.70	sys#1	1
HOT WATER SYSTEM															
/ #	Sys	stem Type	Subtype		Location		EF(UEF)	Сар	Use	SetPnt	Fixture	Flow	Pipe Ins.	Pip	e length
	1 Elec	ctric	None		Garage		0.92 (0.92)	50.00 gal	40 ga	l 120 deg	Stan	dard	None		12
		circulation System		Control ype		Loop length	Branch length	Pump power	DWHF	R Faciliti Connec			DWHR Eff	Othe	r Credits
	1	No				NA	NA	NA	No	NA	N	Ą	NA	Nor	ie
DUCTS															
√ ^D #	ouct L	Suppl ocation R-	y Value Ar		Retu ation F			Leakage T	ype	Air Handler	CFM 25 TOT	CFM 2 OUT		RLF H	HVAC # leat Cool
	1 Attic		6.0 460 f	t² Attic		6.0	92 ft² D	efault Leal	kage	1st Floor	(Default) ((Default))		1 1
						T	EMPER	ATUR	ES						
Co He	rograma poling eating enting	[X] Jan	at: Y [] Feb [X] Feb [] Feb	[] Mar [X] Mar [X] Mar	[] Apr [] Apr [X] Apr	1 [] 1 []	May []	Jun [Jun [X] Jul [] Jul [] Jul	[X] Aug [] Aug [] Aug	[X] Sep [] Sep [] Sep	[X]	Oct [X] Nov (] Nov (] Nov	[] Dec [X] Dec [] Dec
		stat Schedule le Type	e: HERS 2	006 Referer 1	nce 2	3	4	5	Ho 6	ours 7	8	9	10	11	12
	Cooling	ı (WD)	AM PM	78 80	78 80	78 78	78 78	78 78	78 78	78 78	78 78	80 78	80 78	80 78	80 78
	Cooling	ı (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
	Heating	g (WD)	AM PM	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	g (WEH)	AM PM	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* = 98

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

352 SW Buttercup Lane, Lake City, FL, 32025

New construction or existing	New (F	rom Plans)	10. Wall Types(1713.0 sqft.)	Insulation Area
2. Single family or multiple family		Detached	a. Frame - Wood, Exterior	R=13.0 1477.50 ft ²
3. Number of units, if multiple fami	ly	1	b. Frame - Wood, Adjacent c. N/A	R=13.0 235.50 ft ²
4. Number of Bedrooms		4	d. N/A	
5. Is this a worst case?		No	11. Ceiling Types(1933.0 sqft.)	Insulation Area
Conditioned floor area above gr Conditioned floor area below gra		1841 0	a. Flat ceiling under att (Vented)b. N/Ac. N/A	R=38.0 1933.00 ft ²
7. Windows** Descript a. U-Factor: Dbl, U=0 SHGC: SHGC= b. U-Factor: N/A SHGC:	0.36	Area 177.00 ft ² ft ²	12. Roof(Comp. Shingles, Vented)13. Ducts, location & insulation leva. Sup: Attic, Ret: Attic, AH: 1st Fb.c.	el R ft ²
c. U-Factor: N/A SHGC: Area Weighted Average Overham Area Weighted Average SHGC:	g Depth:	ft ² 4.325 ft 0.250	14. Cooling Systems a. Central Unit	kBtu/hr Efficiency 21.9 SEER:14.00
8. Skylights Descript U-Factor:(AVG) N/A SHGC(AVG): N/A	ion	Area N/A ft²	15. Heating Systems a. Electric Heat Pump	kBtu/hr Efficiency 27.3 HSPF:8.20
9. Floor Typesa. Slab-On-Grade Edge Insulatiob. N/Ac. N/A	Insulation n R= 0.0 R= R=	Area 1841.00 ft ² ft ² ft ²	16. Hot Water Systemsa. Electricb. Conservation features	Cap: 50 gallons EF: 0.920
			17. Credits	None 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: _____

or n about the

*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.

Address of New Home: 352 SW Buttercup Lane

City/FL Zip: Lake City,FL,32025

Envelope Leakage Test Report (Blower Door Test) Residential Prescriptive, Performance or ERI Method Compliance 2020 Florida Building Code, Energy Conservation, 7th Edition

Jurisdiction:	Permit #:
Job Information	
Builder: Community:	Lot: NA
Address: 352 SW Buttercup Lane	
City: Lake City State	e: FL Zip: 32025
Air Leakage Test Results Passing results must meet	either the Performance, Prescriptive, or ERI Method
PRESCRIPTIVE METHOD-The building or dwelling unit shall be tes changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Clim	
PERFORMANCE or ERI METHOD-The building or dwelling unit shat the selected ACH(50) value, as shown on Form R405-2020 (Performance) ACH(50) specified on Form R405-2020-Energy Cal	
CFM(50) x 60 ÷ 16569 = ACH(50) PASS When ACH(50) is less than 3, Mechanical Ventilation is must be verified by building department.	Method for calculating building volume: ○ Retrieved from architectural plans ○ Code software calculated ○ Field measured and calculated
R402.4.1.2 Testing. Testing shall be conducted in accordance with ANSI/R Testing shall be conducted by either individuals as defined in Section 553.9 489.105(3)(f), (g), or (i) or an approved third party. A written report of the reprovided to theode official. Testing shall be performed at any time after creation buring testing:	193(5) or (7F,lorida Statues.or individuals licensed as set forth in Section is ultrastrations of the test shall be signed by the party conducting the test and lation of all penetrations of the ultrastration of the ultrastration of all penetrations of the ultrastration of ultrastration of the ultrastratio
 Exterior windows and doors, fireplace and stove doors shall be closed, b control measures. Dampers including exhaust, intake, makeup air, back draft and flue damp measures. Interior doors, if installed at the time of the test, shall be open. Exterior doors for continuous ventilation systems and heat recovery vent Heating and cooling systems, if installed at the time of the test, shall be test. Supply and return registers, if installed at the time of the test, shall be full 	pers shall be closed, but not sealed beyond intended infiltration control ilators shall be closed and sealed. urned off.
Testing Company	
Company Name: I hereby verify that the above Air Leakage results are in accorda Energy Conservation requirements according to the compliance	
Signature of Tester:	Date of Test:
Printed Name of Tester:	
License/Certification #:	Issuing Authority: