FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Street: City, State, Zip: Owner:	Lot 43 Crosswinds Lake City , FL , 32025 N/A FL, Gainesville	i		Builder Name: Permit Office: Permit Number Jurisdiction: County:	Columbia County	eZone 2)		
New construction or	r existing	New (Fro	m Plans)	10. Wall Types		Insulation	Area	
2. Single family or mul	tiple family	Detached	77 17 18 18		Vood, Exterior	R=13.0	1620.00 ft²	
3. Number of units, if r	multiple family	1		c. N/A	Vood, Adjacent	R=13.0 R=	279.00 ft ² ft ²	
4. Number of Bedroon		3		d. N/A		R=	ft²	
5. Is this a worst case		No		11. Ceiling Type a. Under Atti	es (1760.0 sqft.) ic (Vented)	Insulation R=38.0	Area 1760.00 ft²	
Conditioned floor are Conditioned floor are		1677 0		b. N/A c. N/A		R= R=	ft² ft²	
7. Windows (163.3 sq a. U-Factor: SHGC:	or university association of the section of		Area 63.33 ft²	12. Ducts a. Sup: Attic	, Ret: Attic, AH: Garage		R ft² 6 411.5	
b. U-Factor: SHGC:	N/A		ft²	13. Cooling sys a. Central Ur		kBtu/hr 18.8	Efficiency SEER:14.00	
c. U-Factor: SHGC: Area Weighted Aver Area Weighted Aver	N/A rage Overhang Depth:		ft² 4.737 ft. 0.250	14. Heating sys a. Electric Ho		kBtu/hr 28.0	Efficiency HSPF:8.20	
8. Skylights c. U-Factor:(AVG)	N/A		Area ft²	15. Hot waters	ystems			
SHGC(AVG): 9. FloorTypes (1677)		Insulation	Area	a. Electric	Nico	Cap: 50 gallons EF: 0.920		
a. Slab-On-Grade E b. N/A	dge Insulation	R=0.0 16 R=	77.00 ft² ft²	b. Conserva None	ationfeatures			
c. N/A		R=	ft²	16. Credits			CV, Pstat	
Glass/Floor Area:	0.097		posed Modifi Total Baselin	ed Loads: 41.50 e Loads: 43.78		PAS	SS	

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY: DATE:

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 requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires an envelope leakage test report with envelope leakage no greater than 5.00 ACH50 (R402.4.1.2).

INPUT SUMMARY CHECKLIST REPORT

				PROJE	CT							
Title: Building T Owner Na # of Units Builder Na Permit Of Jurisdictic Family Ty New/Exis Comment	ame: N/A 1 1 ame: Rhett Smithey fice: Columbia Cour on: pe: Detached ting: New (From Pla	nty	Bedrooms Conditione Total Storic Worst Cas Rotate Ang Cross Ven Whole Hou	ed Area: es: e: gle: tilation:	3 1677 1 No 0 Yes No		Lot # Block PlatE Stree Cour	k/Subdivis Book: et:	43 sion: Cr	rosswinds olumbia ake City ,		
				CLIMA	TE							
\checkmark	Design Location	TMY Site			esign Temp .5 % 2.5 %		esign Tem er Summ		leating ree Days	Desigr Moistur		/ Temp ange
	FL, Gainesville	FL_GAINESVILL	E_REGI	3	32 92	70	75	1	305.5	51	M	edium
				BLOC	KS							
Number	r Name	Area	Volume									
1	Block1	1677	15093									
				SPAC	ES							
Number	r Name	Area	Volume	Kitchen	Occupants	Bedroo	oms I	nfil ID	Finished	Coo	led	Heate
1	Main	1677	15093	Yes	6	3	1	1	Yes	Yes		Yes
				FLOOI	RS					-11		
\vee	# Floor Type	Spac	e Peri	meter	R-Value	Area				Tile Wo	od Ca	arpet
	1 Slab-On-Grade Edge	Insulation I	Main 218.66	667 ft	0	1677 ft²				0 ()	1
				ROO	F		, , , , , , , , , , , , , , , , , , , ,					
/	# Type	Materials	Roof Area	Gable Area		Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pito (de
	1 Gable or shed	Compositionshin	gles 2016 ft²	560 ft ²	Medium	Υ	0.96	No	0.9	No	0	33.
				ATTI	С							
$\sqrt{}$	# Type	Ven	ilation	Vent Ratio	o (1 in)	Area	RBS	IRO	СС	*		
	1 Full attic		nted	300		1677 ft²	Y		N			-
				CEILIN	NG							
V	# Ceiling Type		Space	R-Value	e Ins Ty	ре	Area	Fran	ning Frac	Truss	Туре	

INPUT SUMMARY CHECKLIST REPORT

						WA	LLS							
V #	Ornt	Adjace To		Туре	Space	Cavity R-Value	Wid Ft	th _In	Height Ft In	Area	Sheathing R-Value	Framing Fraction	Solar Absor.	Belov Grade
1	S	Exterior		me - Wood	Main	13	7	8	9	69.0 ft ²		0.23	0.75	0
_ 2	S	Exterior	Fran	me - Wood	Main	13	21	4	9	192.0 ft ²		0.23	0.75	0
_ 3	S	Exterior	Fran	ne - Wood	Main	13	12	4	9	111.0 ft ²		0.23	0.75	
4	Ε	Exterior	Fran	me - Wood	Main	13	34		9	306.0 ft ²		0.23	0.75	0
5	Ν	Exterior	Fran	ne - Wood	Main	13	12	8	9	114.0 ft ²		0.23	0.75	(
6	W	Exterior	Fran	ne - Wood	Main	13	12		9	108.0 ft ²		0.23	0.75	(
_ 7	N	Exterior	Fran	me - Wood	Main	13	20	8	9	186.0 ft ²		0.23	0.75	(
8	E	Exterior	Fran	me - Wood	Main	13	8		9	72.0 ft ²		0.23	0.75	(
9	Ν	Exterior	Fran	me - Wood	Main	13	31	4	9	282.0 ft ²		0.23	0.75	(
10	W	Exterior	Fran	me - Wood	Main	13	20		9	180.0 ft ²		0.23	0.75	(
11	S	Garage	Frai	ne - Wood	Main	13	23	4	9	210.0 ft ²		0.23	0.75	(
12	W	Garage	Frai	ne - Wood	Main	13	7	8	9	69.0 ft ²		0.23	0.75	(
						DO	ors							
$\sqrt{}$	#	Ornt	A1 . T. A. BERLIN	Door Type	Space	NAME OF TAXABLE PARTY.		Storms	U-Va	ue F	Width t In	Height Ft I	n	Area
	1	S		Insulated	Main			None	.46		3	6	8 :	20 ft²
	2	S		Insulated	Main			None	.46		3	6	8 :	20 ft²
							oows							
-				0	rientation sho	wn is the er	ntered, F	ropose	dorientation		10			
$\sqrt{}$	# (Wall Ornt ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area		erhang Separation	Int Sha	de !	Screenir
	1	S 1	Vinyl	Low-E Double	Yes	0.36	0.25	N	9.0 ft²	1 ft 6 in	1 ft 0 in	None		None
	2	S 2	Vinyl	Low-E Double	Yes	0.36	0.25	N	13.3 ft²	6 ft 6 in	1 ft 0 in	None		None
	3	S 2	Vinyl	Low-E Double	Yes	0.36	0.25	N	30.0 ft ²	6 ft 6 in	1 ft 0 in	None		None
	4	S 3	Vinyl	Low-E Double	Yes	0.36	0.25	N	15.0 ft²	1 ft 6 in	1 ft 0 in	None		None
	5	E 4	Vinyl	Low-E Double	Yes	0.36	0.25	N	4.0 ft ²	1 ft 6 in	1 ft 0 in	None		None
	6	N 5	Vinyl	Low-E Double	Yes	0.36	0.25	N	15.0 ft²	1 ft 6 in	1 ft 0 in	None		None
	7	N 7	Vinyl	Low-E Double	Yes	0.36	0.25	N	20.0 ft ²	9 ft 6 in	1 ft 0 in	None		None
	8	N 7	Vinyl	Low-E Double	Yes	0.36	0.25	N	9.0 ft²	9 ft 6 in	1 ft 0 in	None		None
	9	N 9	Vinyl	Low-E Double	Yes	0.36	0.25	N	30.0 ft ²	1 ft 6 in	1 ft 0 in	None		None
	10	N 9	Vinyl	Low-E Double	Yes	0.36	0.25	N	4.0 ft ²	1 ft 6 in	1 ft 0 in	None		None
		W 10	Vinyl	Low-E Double	Yes	0.36	0.25	N	4.0 ft ²	1 ft 6 in	1 ft 0 in	None		None
		N 7	Vinyl	Low-E Double	Yes	0.36	0.25	N	10.0 ft²	9 ft 6 in		None		None
						GAF	RAGE	. 1011-						
V	#	Floo	r Area	Ceiling	Area	Exposed V	Vall Per	imeter	Avg. W	/all Height	Expose	ed Wall Ins	ulation	
	4	50	8 ft²	598	62		333 ft			9 ft		1		

INPUT SUMMARY CHECKLIST REPORT

					INFI	LTRATI	ON							
#	Scope	Method		SLA	CFM 50	ELA	Ed	qLA ,	ACH	ACH :	50			
1 V	Vholehouse	Proposed A	CH(50)	.000286	1257.8	69	12	9.55 .	1027	5				
					HEATI	NG SYS	STEM							
V	# 5	System Type		Subtype	Spee	ed	Efficiency	/ Ca	pacity		В	lock	Du	ıcts
	_ 1 8	Electric Heat Pu	mp/	None	Singl	le	HSPF:8.2	27.95	kBtu/hr		1	ĺ	sys	s#1
					COOL	ING SY	STEM							
V	# 5	System Type		Subtype	Subt	уре	Efficiency	Capacity	Air F	low SH	R B	lock	Du	ıcts
	_ 1 (Central Unit/		None	Singl	le	SEER: 14	18.84 kBtu/	hr 570	cfm 0.7	7 1	I	sys	s#1
					HOT WA	ATER S	YSTEM							
V	#	System Type	SubType	Location	EF	С	ар	Use	SetPnt		Conser	vatior	1	
	_ 1	Electric	None	Garage	0.92	50	gal	40 gal	120 deg		Nor	ie		
				so	LAR HOT	WATE	RSYSTE	EM						
\vee	FSEC Cert #	Company N	ame		System N	/lodel#	Co	ollector Model		llector Area	Storage Volume		FEF	
	_ None	None								ft²				
					I	DUCTS								
	#	Sup Location R	ply 2-Value Area	Re Location	eturn n Area	Leak	ageType	Air Handler	CFM 25 TOT	CFM25 OUT	QN F	RLF	HVA Heat	
	_ 1	Attic	6 411.5 ft ²	Attic	82.3 ft²	Defau	t Leakage	Garage	(Default)	c(Default) c			1	1
					TEMP	ERATU	RES							
Prog	gramableThe	rmostat: Y		(Ceiling Fans:							91		
Cool Heat Vent	ing [] Ja ing [X] Ja ing [] Ja	n [] Feb an [X] Feb an [] Feb	[] Mar [X] Mar [X] Mar	Apr Apr X Apr	May May May	[X] Jun [] Jun [] Jun	[X] Jul Jul Jul	[X] Aug [] Aug [] Aug	[X] Sep [] Sep [] Sep	[] Oc [X] Oc		Nov Nov Nov	$[\times]$	Dec Dec Dec

ORM R405-2020		IN	PUT S	UMMA	RYCH	IECKLI	ST R	EPORT					
Thermostat Schedule:	HERS 200	6 Referen	ice				Н	lours					
Schedule Type		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	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
Heating (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 (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
					ı	WASS							
Mass Type			Ar	ea	· ·	Thickness		Furniture F	raction		Space		
Default(8 lbs/so	a.ft.		0	O ft ² O ft				0.3			Main		

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 95

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

, Lake City, FL, 32025

1.	New construction or exis	ion or existing New (From Plans)			10. Wall Type and Insulation	Insulation	Area
2.	Single family or multiple	Single family or multiple family		d	a. Frame - Wood, Exterior	R=13.0	1620.00 ft ²
3.	Number of units, if multi	ple family	1		b. Frame - Wood, Adjacentc. N/A	R=13.0 R=	279.00 ft² ft²
4.	Number of Bedrooms		3		d. N/A	R=	ft²
5.	Is this a worst case?		No		 Ceiling Type and insulation level a. Under Attic (Vented) 	Insulation R=38.0	Area 1760.00 ft ²
6.	Conditioned floor area (f	t²)	1677		b. N/A	R=	ft²
7.	Windows**	Description		Area	c. N/A	R=	ft ²
	a. U-Factor: SHGC:	Dbl, U=0.36 SHGC=0.25		163,33 ft²	 Ducts, location & insulation level a. Sup: Attic, Ret: Attic, AH: Garage 		R ft ² 6 411.5
	b. U-Factor:	N/A		ft²			
	SHGC:				13. Cooling systems	kBtu/hr	Efficiency
	c. U-Factor: SHGC:	N/A		ft²	a. Central Unit	18.8	SEER:14.00
	d. U-Factor: SHGC:	N/A		ft²	14. Heating systems	kBtu/hr	Efficiency
	Area Weighted Average Area Weighted Average			4.737 ft. 0.250	a. Electric Heat Pump	28.0	HSPF:8.20
	8. Skylights a. U-Factor(AVG): SHGC(AVG):	Description N/A N/A		Area ft²	15. Hot water systems a. Electric	Ca	ap: 50 gallons EF: 0.92
	Floor Types a. Slab-On-Grade Edg	e Insulation	Insulation R=0.0	Area 1677.00 ft²	b. Conservationfeatures None Credits (Performance method)		CV, Pstat
	b. N/A c. N/A		R= R=	ft² ft²	,		5.,10.00

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:



*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.