FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Lot 7 Crosswinds Street: City, State, Zip: Lake City, FL, 32024 Owner: Design Location: FL, Gainesville	Builder Name: Rhett Smithey 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) 7. Windows(185.0 sqft.) Description a. U-Factor: Dbl, U=0.36 185.00 ft² SHGC: SHGC=0.25 b. U-Factor: N/A ft² SHGC: c. U-Factor: N/A ft² SHGC: Area Weighted Average Overhang Depth: 2.581 ft. Area Weighted Average SHGC: 0.250 8. Skylights Area c. U-Factor:(AVG) N/A ft² SHGC(AVG): N/A 9. Floor Types (1676.0 sqft.) Insulation Area a. Slab-On-Grade Edge Insulation R=0.0 1676.00 ft² b. N/A R= ft² Tatal Proposed Medific	10. Wall Types 1587.0 sqft.) a. Frame - Wood, Exterior b. Frame - Wood, Adjacent c. N/A d. N/A d. N/A 11. Ceiling Types (1759.0 sqft.) a. Under Attic (Vented) b. N/A c. N/A c. N/A 12. Ducts a. Sup: Attic, Ret: Attic, AH: Garage 13. Cooling systems a. Central Unit 14. Heating systems a. Electric Heat Pump 15. Hot water systems a. Electric b. Conservation features None 16. Credits Insulation Area R=13.0 1398.00 ft² R=13.0 189.00 ft² R= ft² R=3.0 1759.00 ft² R= ft² R=3.0 1759.00 ft² R=
Glass/Floor Area: 0.110 Total Proposed Modified Total Baseline	PASS
I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY: A / 11 / 2022 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	ECT							
Title: Building Type: Owner Name: # of Units: Builder Name: Permit Office: Jurisdiction: Family Type: New/Existing: Comment:	Lot 7 Crosswin User 1 Rhett Smithey Columbia Cour Detached New (From Pla	nty) } }	Bedrooms: Conditioned Fotal Storie Worst Case Rotate Ang Cross Vent Whole Hou	es: e: le: ilation:	3 1676 1 No 0 Yes No		Lot # Bloc Platt Stree Coul	k/Subdivi Book: et:	sion: C	ot Information of Inf		is le
					CLIMA	ATE .							= 0
	sign Location	money (Y Site	:01	97	esign Temp	Win	Design Tem ter Sumn	ner Deg		Design s Moistur	e R	y Temp ange
FL,	Gainesville	FL_GAINES	SVILLE_RE	:GI	BLOC	32 92	70	75	1	1305.5	51	IV	ledium
Number	Name			Volume	BLUC	No.					-		
1	Block1		rea 676	15084									
3.	DIOCK I		070	13004	SPAC	EG			1000	S			
Number	Name	Are	a Vo	lume K	Citchen	Occupants	Bedro	ome I	nfil ID	Finished	d Coo	led	Heate
1	Main	167		084	Yes	6	3			Yes	Yes		Yes
					FLOO	RS	- Salatania	Name of Street, Street		A STATE OF THE PARTY OF THE PAR			
V #	Floor Type	Since of the same	Space	Perin	neter	R-Value	Area	ilea halaneee ya iku	1000		Tile Wo	ood Ca	arpet
1 Sla	b-On-Grade Edge	Insulatio	Main	176.4	ft	0	1676 ft	2			0 ()	1
					ROO	F							
√ #	Туре	Mater	rials	Roof Area	Gable Area		Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	
1	Hip	Composition	n shingles	1874 ft²	O ft²	Medium	Υ	0.96	No	0.9	No	0	26.5
					ATTI	С							
√ #	Туре		Ventilation		Vent Rati	o (1 in)	Area	RBS	IR	СС			
1	Full attic		Vented		300	0	1676 ft²	Υ	ı	N			
					CEILII	NG		AUSAIIIQ					- Carlotte
V #	Ceiling Type	U.V.PS. UIR WASH	5	Space	R-Value	e Ins T	уре	Area	Fran	ning Fra	c Truss	Туре	- USUS CHEST
	Under Attic (Ve	CONTRACTOR AND A STATE OF THE S	-	Main	38	Double	44000	1759 ft²		0.11	Wo	22.01	

INPUT SUMMARY CHECKLIST REPORT

							WA	ALLS							
V #	Ornt		\djace To	nt Wall	Туре	Space	Cavity R-Value	Wid	th In	Height Ft In	Area	Sheathing R-Value	Framing Fraction	Solar	
1	E	Ex	terior	Fran	ne - Wood	Main	13	22	8	9	204.0 ft ²		0.23	0.75	(
2	N	Ex	terior	Fran	ne - Wood	Main	13	28	6	9	256.5 ft ²		0.23	0.75	0
3	W	Ex	terior	Fran	ne - Wood	Main	13	10		9	90.0 ft ²		0.23	0.75	(
_ 4	Ν	Ex	terior	Fran	ne - Wood	Main	13	16		9	144.0 ft ²		0.23	0.75	(
5	W	Ex	terior	Fran	ne - Wood	Main	13	33	8	9	303.0 ft ²		0.23	0.75	(
6	S	Ex	terior	Fran	ne - Wood	Main	13	39		9	351.0 ft ²		0.23	0.75	(
7	E	Ga	arage	Fran	ne - Wood	Main	13	21		9	189.0 ft²		0.23	0.75	(
8	S	Ex	terior	Fran	ne - Wood	Main	13	5	6	9	49.5 ft²		0.23	0.75	(
	- Y I - I			and the same of the			DO	ORS							
V	#		Ornt		Door Type	Space			Storms	U-Val	ue F	Width t In	Height Ft	In	Area
	1		Е		Insulated	Main			None	.46	7	- Jane	A100 100 100 100 100 100 100 100 100 100	8	20 ft ²
	2		Е		Insulated	Main			None	.46				8	20 ft ²
		e de la constitución de la const			^-			DOWS							
22.			Wall		Oi	ientation sn	own is the e	ntered, F	roposed	orientatio		The state of	ALTON DE	-/-	No. of Concession, Name of Street, or other Desires.
\checkmark	# (Ornt		Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area		rhang Separation	Int Sha	de	Screenii
	1	E	1	Vinyl	Low-E Double	Yes	0.36	0.25	N	45.0 ft²	1 ft 6 in	1 ft 0 in	None		None
	2	N	2	Vinyl	Low-E Double	Yes	0.36	0.25	N	30.0 ft ²	1 ft 6 in	1 ft 0 in	None		None
	3	W	3	TIM	Low-E Double	Yes	0.36	0.25	N	40.0 ft ²	6 ft 6 in	1 ft 0 in	None		None
	4	W	5	Vinyl	Low-E Double	Yes	0.36	0.25	N	30.0 ft ²	1 ft 6 in	1 ft 0 in	None		None
	5	W	5	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	S	6	Vinyl	Low-E Double	Yes	0.36	0.25	N	6.0 ft ²	1 ft 6 in	1 ft 0 in	None		None
	7	S	6	Vinyl	Low-E Double	Yes	0.36	0.25	N	30.0 ft ²		1 ft 0 in	None		None
ALC: NO.	inimay.						GAI	RAGE							
V	#		Floor	Area	Ceiling	Area	Exposed \	Wall Peri	meter	Avg. W	/all Height	Expose	d Wall Ins	ulation	
	1		504	1 ft²	504	ft²	6	5.5 ft		, ,	9 ft		1		
							INFILT	RATIC	N						
S	Scope		М	ethod		SLA	CFM 50	ELA	E	EqLA	ACH	ACH	50		
	olehouse	9		sed AC		0286	1257	68.96		29.47	.1027	5			
		-					HEATING	S SYS	ГЕМ					- VO - 40	20 Aug 191
V	#	Sys	tem T	уре	Su	btype	Speed	tuuringasuu,	Efficienc	у	Capacity		В	lock	Ducts
	1	Elec	tric H	eat Pun	np/ No	ne	Singl		HSPF:8.	2 25	.33 kBtu/hr		9	1	sys#1

INPUT SUMMARY CHECKLIST REPORT

					COOL	ING SYS	STEM							
V	# 5	System Type		Subtype	Sub	type	Efficiency	Capacity	Air F	low	SHR	Block	Du	ıcts
	1 (Central Unit/		None	Sin	gl	SEER: 14	19.95 kBtu/ł	nr 600	cfm	0.7	1	sy	s#1
					HOT W	ATER SY	STEM					and Markette	w the money	
V	#	System Type	SubType	Location	EF	Ca	ар	Use	SetPnt		Co	nservatio	n	District of the last of the la
	1	Electric	None	Garage	0.92	50	gal	40 gal	120 deg			None		
				SC	LAR HO	T WATER	RSYSTI	EM						
\checkmark	FSEC Cert #	Company N	ame		System	Model#	C	ollector Model		llector Area		rage ume	FEF	
	None	None								ft²				
16-14-15-15-15-15-15-15-15-15-15-15-15-15-15-						DUCTS								
\checkmark	#	Sup Location R	ply -Value Area	R Locatio	eturn n Area	Leaka	ge Type	Air Handler	CFM 25 TOT	CFM25	QN	RLF	HV/ Heat	AC#
	1	Attic	6 419 ft ²	Attic	83.8 ft²	Default	Leakage	Garage	(Default)	(Defau	lt)		1	1
					TEM	PERATU	RES							
Program	able The	rmostat: Y			Ceiling Fans	:								
Cooling Heating Venting	[] Ja [X] Ja [] Ja	n [] Feb n [X] Feb n [] Feb	[X] 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		Oct Oct Oct	[] Nov [X] Nov [X] Nov		Dec Dec Dec
Thermosta		ile: HERS 200	06 Reference				Н	ours						
Schedule 7			1	2 3	4	5	6	7	8	9	10	11	1	2
Cooling (V	/D)	AM PM	78 80	78 80 78	78 78	78 78	78 78	78 78	78 78	80 78	80 78	80 78	8	8
Cooling (W	/EH)	AM PM	78 78	78 78 78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	7	8
Heating (V	VD)	AM PM	66 68	66 66 68 68	66	66	68 68	68	68	68	68	68	6	8
Heating (W	VEH)	AM	66 68	66 66 68 68		68 66 68	68 68	68 68 68	68 68	68 68 68	68 68 68	66 68 66	6	8
		PM	68	00 68	68	MASS	68	68	68	68	68	66	6	6
Ma	ass Type			Area		Thickness		Furniture Fra	ction	S	pace			
De	efault(8 lb	s/sq.ft.		0 ft²		0 ft		0.3			Main			

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 100

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

, Lake City, FL, 32024

1.	New construction or exis	New (Fr	om Plans)	Wall Type and Insulation	Insulation	Area			
2.	Single family or multiple	Detache	d	a. Frame - Wood, Exterior	R=13.0	1398.			
3.	Number of units, if multi	1		b. Frame - Wood, Adjacentc. N/A	R=13.0 R=	189.00 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	1759.	rea .00 ft²		
6.	Conditioned floor area (ft²)		1676		b. N/A	R=	ft²		
7.	Windows** a. U-Factor: SHGC:	Description Dbl, U=0.36 SHGC=0.25		Area 185.00 ft²	c. N/A 12. Ducts, location & insulation level a. Sup: Attic, Ret: Attic, AH: Garage	R=	R 6		
	b. U-Factor:	N/A		ft ²					
	SHGC: c. U-Factor: SHGC:	N/A		ft²	 Cooling systems Central Unit 	kBtu/hr 20.0	Efficience SEER:		
	d. U-Factor; SHGC: Area Weighted Average	0.20		ft² 2.581 ft.	Heating systems a. Electric Heat Pump	kBtu/hr 25.3	Efficie HSPF	ency -:8.20	
	Area Weighted Average 8. Skylights a. U-Factor(AVG): SHGC(AVG):	Description N/A N/A		0.250 Area ft²	15. Hot water systems a. Electric	Сар	p: 50 ga EF	allons	
	 Floor Types a. Slab-On-Grade Edg b. N/A c. N/A 	e Insulation	Insulation R=0.0 R= R=	Area 1676.00 ft ² ft ²	b. Conservation features None Credits (Performance method)		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:	CRE
Address of New Home:	City/FL Zip:	M.



*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 2020 Florida Building Code, Energy Conservation, 7th Edition

Jurisdiction:	Permit #:						
Job Information							
Builder: Rhett Smithey Community:	Lot: 7						
Address:							
City: Lake City State	e: FL Zip: 32024						
Air Leakage Test Results Passing results must meet	either the Performance, Prescriptive, or ERI Method						
changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Clim	all be tested and verified as having an air leakage rate of not exceeding or R406-2020 (ERI), section labeled as infiltration, sub-section ACH50.						
CFM(50) x 60 ÷ 15084 = ACH(50) PASS When ACH(50) is less than 3, Mechanical Ventilation in 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/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 Statues.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 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 fully open.							
Testing Company							
Company Name: I hereby verify that the above Air Leakage results are in accordance.	Phone:						
Energy Conservation requirements according to the compliance n							
Signature of Tester:	Date of Test:						
Printed Name of Tester:							
License/Certification #:	Issuing Authority:						