

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Lot 9 Creek Run Plantation Street: City, State, Zip: Lake City, FL, 32055 Owner: Peter & Anna Lev Design Location: FL, Gainesville	Builder Name: 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 (216.3 sqft.) Description a. U-Factor: Dbl, U=0.36 SHGC: SHGC=0.25 b. U-Factor: N/A SHGC: C. U-Factor: N/A SHGC: Area Weighted Average Overhang Depth: Area C. U-Factor:(AVG) SHGC:N/A SHGC(AVG): N/A SHGC(AVG): N/A SHGC(AVG): N/A SHGCO-	10. Wall Types(1751.6 sqft.) a. Concrete Block - Int Insul, Exterior b. Frame - Wood, Adjacent c. N/A d. N/A R= ft² d. N/A a. Under Attic (Vented) b. N/A c. N/A R= ft² c. N/A R= ft² d. N/A R= ft² lnsulation R=38.0 R=3.0 R=38.0 R= ft² R= R= ft² R=
Glass/Floor Area: 0.120 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: 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

				PROJ	ECT							
Title: Building Ty Owner Na # of Units: Builder Na Permit Off Jurisdictio Family Typ New/Exist Comment:	me: Peter & Anna Le 1 ame: fice: Columbia Count on: pe: Detached iing: New (From Plan	y	Bedrooms Conditione Total Storie Worst Cas Rotate Ang Cross Ven Whole Hou	dArea: es: e: lle: tilation:	3 1807 1 No 0 Yes No		Lot# Bloc Plate Stree Cour	k/Subdivi Book: et:	sion: C	ot Informa reek Run columbia ake City , L , 320	Plant	
				CLIMA	ATE							
√	Design Location	TMY Site			Design Temp 7.5 % 2.5	% Wint		ner Deg	leating gree Day	Desig s Moistu		y Temi ange
_	FL, Gainesville	FL_GAINESVILLE	E_REGI		32 92	70	75	1	1305.5	51	М	ledium
				BLOC	KS							
Number	Name	Area	Volume									
1	Block1	1807	16859	3								
				SPAC	ES							
Number	Name	Area	Volume	Kitchen	Occupants	Bedro	oms I	nfil ID	Finished	d Cod	oled	Hea
1	Main	1807	16859.3	Yes	6	3		1	Yes	Yes	1	Yes
				FLOC	RS							
¥	# Floor Type	Space		meter	R-Value	Area					ood Ca	7.
	1 Slab-On-Grade Edge I	nsulation M	lain 188.6	20022	0	1807 ft²				0	0	1
				ROC)F							
\checkmark	# Туре	Materials	Roof Area	Gab Are			Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pite (de
	1 Hip	Metal	2172 ft²	O ft²	Light	Υ	0.96	No	0.9	No	0	33.
				ATT	IC							
$\sqrt{}$	# Type	Ventil	lation	Vent Rat	io (1 in)	Area	RBS	IR	cc			
	1 Full attic	Ven	ted	30	0	1807 ft²	Y	1	N			
				CEILI	NG							
$\sqrt{}$	# Ceiling Type		Space	R-Valu	e Ins	Туре	Area	Fran	ning Frac	c Truss	з Туре	

INPUT SUMMARY CHECKLIST REPORT

							WA	LLS								
V #	Orn		Adjace To	nt Wall	Туре	Space	Cavity R-Value	Wid Ft	th In	H Ft	eight In	Area	Sheathing R-Value	Framing Fraction	Solar Absor.	Belo Grade
_ 1	S	E	xterior	Con	crete Block - Int Insul	Main	5	12		9	4	112.0 ft ²		0	0.75	(
_ 2	S	E	xterior	Con	crete Block - Int Insul	Main	5	28	8	9	4	267.6 ft ²		0	0.75	
_ 3	E	C	Sarage	Fran	ne - Wood	Main	13	7	4	9	4	68.4 ft ²		0.23	0.75	
_ 4	S	(Garage	Fran	ne - Wood	Main	13	22		9	4	205.3 ft ²		0.23	0.75	
_ 5	Ε	E	xterior	Con	crete Block - Int Insul	Main	5	23	4	9	4	217.8 ft ²		0	0.75	9
_ 6	Ν	E	xterior	Con	crete Block - Int Insul	Main	5	62	8	9	4	584.9 ft ²		0	0.75	3
_ 7	W	E	xterior	Con	crete Block - Int Insul	Main	5	31	8	9	4	295.6 ft ²		0	0.75	
							DO	ORS								3
\checkmark	#		Ornt		Door Type	Space			Storms		U-Valu	ie F	Width In	Height Ft I	n	Area
_	1		S		Insulated	Main			None		.46	3		6	8	20 ft²
	2		Ε		Insulated	Main			None		.46	3		6	8	20 ft²
					Orie	ntation sh	WINE own is the er	OOWS		d orie	entation.					
/	#	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor		lmp		Area	Ove	rhang Separation	Int Sha	de :	Screeni
	1	S	1	Vinyl	Low-E Double	Yes	0.36	0.25	N		30.0 ft²	1 ft 6 in	1 ft 0 in	None		None
	2	S	2	TIM	Low-E Double	Yes	0.36	0.25	Ν	9	13.3 ft²	7 ft 6 in	1 ft 0 in	None	É	None
	3	S	2	Vinyl	Low-E Double	Yes	0.36	0.25	N	:	25.0 ft²	7 ft 6 in	1 ft 0 in	None	į.	None
	4	S	2	Vinyl	Low-E Double	Yes	0.36	0.25	Ν		9.0 ft ²	7 ft 6 in	1 ft 0 in	None	į.	None
	5	E	5	Vinyl	Low-E Double	Yes	0.36	0.25	N	:	20.0 ft ²	1 ft 6 in	1 ft 0 in	None		None
	6	Ν	6	Vinyl	Low-E Double	Yes	0.36	0.25	Ν	(60.0 ft²	1 ft 6 in	1 ft 0 in	None		None
	7	N	6	Vinyl	Low-E Double	Yes	0.36	0.25	Ν		6.0 ft ²	1 ft 6 in	1 ft 0 in	None	į.	None
	8	Ν	6	Vinyl	Low-E Double	Yes	0.36	0.25	Ν		9.0 ft ²	1 ft 6 in	1 ft 0 in	None	g g	None
	9	Ν	6	TIM	Low-E Double	Yes	0.36	0.25	Ν	4	40.0 ft ²	1 ft 6 in	1 ft 0 in	None	E	None
-	10	W	7	Vinyl	Low-E Double	Yes	0.36	0.25	N	}	4.0 ft ²	1 ft 6 in	1 ft 0 in	None		None
							GAF	RAGE								
V	#			Area	Ceiling Ar	ea	Exposed V	Vall Per	imeter	,	Avg. Wa	all Height	Expose	d Wall Ins	ulation	
_	1		491.2	26 ft²	491.26 ft	2	58	.33 ft			9.3	3 ft		1		
							INFILTI	RATIC	N							
S	Scope		М	ethod	SL	A	CFM 50	ELA	E	EqL/	A	ACH	ACH	50		
\A/be	olehou	se	Propo	sed ACI	H(50) .00029	6	1404.9	77.08	1-	44.7	1	.1042	5			

INPUT SUMMARY CHECKLIST REPORT

						HEAT	ING SY	STEM							
\vee	# S	ystem Type		Subtype	9	Spe	ed	Efficiency	/ Ca	pacity			Block	Du	ıcts
	1 E	lectric Heat Pur	mp/	None		Sing	le	HSPF:8.2	2 29.51	kBtu/hr			1	sy	s#1
						COOL	ING SY	STEM							
$\sqrt{}$	# S	ystem Type		Subtype	9	Sub	type	Efficiency	Capacity	Air	Flow	SHR	Block	Dı	ucts
	1 C	entral Unit/		None		Sing	le	SEER: 14	20.55 kBtu/	hr 630	cfm	0.7	1	sy	s#1
					H	OT W	ATER S	YSTEM							
$\sqrt{}$	#	System Type	SubType	Locat	ion	EF	(Сар	Use	SetPnt		Co	onservatio	n	
	1	Electric	None	Garag	ge	0.92	50	0 gal	40 gal	120 deg			None		
				5	SOLA	AR HOT	WATE	R SYSTE	EM						
\checkmark	FSEC Cert #	Company Na	ame			System I	Model#	Co	ollector Model		ollector Area	Stor Volu		FEF	
	None	None	S. 400-02-204-					2500	100000000000000000000000000000000000000		ft²		9411011015+		
							DUCTS								
\checkmark	#	Supp	ply -Value Area	Loca	- Retu	rn Area	Leal	кадеТуре	Air Handler	CFM 25 TOT	CFM:		RLF	HV/ Heat	AC#
	1	Attic	6 451.75	f Att	ic	90.35 ft²	Defa	ult Leakage	Garage	(Default)	c(Defa	ult) c	2014/00/04/00	1	1
						TEMF	PERATI	JRES							
Program	ableTherr	nostat: Y			Ceil	ling Fans:									
Cooling Heating Venting	[] Jar [X] Jar [] Jar	X Feb	[] Mar X Mar X Mar	Apr Apr Apr		May May May	[X] Jun [] Jun [] Jun	[X] Jul [] Jul [] Jul	[X] Aug Aug Aug	[X] Se [] Se [] Se	p [Oct Oct X) Oct	X Nov X Nov X Nov		Dec Dec Dec
Thermosta Schedule T		e: HERS 200	06 Reference 1	2	3	4	5	6	ours 7	8	9	10	11	4	12
Cooling (W	(D)	AM PM	78 80	78 80	78 78	78 78	78 78	78 78	78 78	78 78	80 78	80 78	80 78	8	30 78
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	77	78 78
Heating (W	/D)	AM PM	66 68	66 68	66 68	66 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	6	88 66
Heating (W	/EH)	AM PM	66 68	66 68	66 68	66 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	6	88 66
							MASS								
Ma	ass Type			Area			Thicknes	s	Furniture Fra	ction		Space			
De	fault(8 lbs	/sq.ft.		0 ft²			0 ft		0.3			Main			

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 98

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

, Lake City, FL, 32055

1.	New construction or exis	New (Fr	om Plans)	10. Wall Type and Insulation	Insulation		
2.	Single family or multiple	Detache	ed	a. Concrete Block - Int Insul, Exterior	R=5.0	1477.80 ft²	
	Number of units, if multi	1		b. Frame - Wood, Adjacent c. N/A	R=13.0 R=	273.78 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 1897.00 ft ²	
6.	. Conditioned floor area (ft²)		1807		b. N/A	R=	ft²
7.	Windows** a. U-Factor: SHGC: b. U-Factor:	Description Dbl, U=0.36 SHGC=0.25 N/A		Area 216.33 ft² ft²	c. N/A 12. Ducts, location & insulation level a. Sup: Attic, Ret: Attic, AH: Garage	R=	ft² R ft² 6 451.75
	SHGC:	INA		TC .	13. Cooling systems	kBtu/hr	Efficiency
	c. U-Factor: SHGC:	N/A		ft²	a. Central Unit		SEER:14.00
	d. U-Factor: SHGC: Area Weighted Average	N/A Overhang Depth:		ft² 2.813 ft.	14. Heating systems a. Electric Heat Pump	kBtu/hr 29.5	Efficiency HSPF:8.20
	Area Weighted Average	SHGC:		0.250			
	 Skylights U-Factor(AVG): SHGC(AVG): 	Description N/A N/A		Area ft²	15. Hot water systems a. Electric	Ca	p: 50 gallons EF: 0.92
	 Floor Types a. Slab-On-Grade Edg b. N/A 	e Insulation	Insulation R=0.0 R=	Area 1807.00 ft² ft²	b. Conservationfeatures None Credits (Performance method)		CV, Pstat
	c. N/A		R=	ft²			

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.

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: 9						
Address:							
City: Lake City Stat	te: FL Zip: 32055						
Air Leakage Test Results Passing results must mee	t either the Performance, Prescriptive, or ERI Method						
PRESCRIPTIVE METHOD-The building or dwelling unit shall be te changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Clir	sted and verified as having an air leakage rate of not exceeding 7 air mate Zones 1 and 2.						
PERFORMANCE or ERI METHOD-The building or dwelling unit sh the selected ACH(50) value, as shown on Form R405-2020 (Performance ACH(50) specified on Form R405-2020-Energy Ca							
CFM(50) x 60 ÷ 16859 = ACH(50) PASS When ACH(50) is less than 3, Mechanical Ventilation must be verified by building department. R402.4.1.2 Testing. Testing shall be conducted in accordance with ANSI/F	Method for calculating building volume: Retrieved from architectural plans Code software calculated installation Field measured and calculated 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 (7F)orida 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 ode official. Testing shall be performed at any time after creation of all penetrations of the viduals 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 ode official. Testing shall be performed at any time after creation of all penetrations of the viduals 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 closed, but not sealed by ond 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.							
Testing Company							
Company Name: I hereby verify that the above Air Leakage results are in accordate Energy Conservation requirements according to the compliance	ance with the 2020 7th Edition Florida Building Code						
Signature of Tester:	Date of Test:						
Printed Name of Tester:							
License/Certification #:	Issuing Authority:						