FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Street: 8 City, State, Zip: 6 Owner:	Wayne Green 533 SW Homestead (Ft White , FL , 32038 FL, Gainesville			Builder Name: Permit Office: Columbia County Permit Number: Jurisdiction: County: Columbia (Florida Cli	mate Zone 2)
1. New construction or 2. Single family or multi 3. Number of units, if m 4. Number of Bedroom 5. Is this a worst case? 6. Conditioned floor are Conditioned floor SHGC: b. U-Factor: SHGC: c. U-Factor: SHGC: Area Weighted Avera Area Weighted Avera Skylights c. U-Factor:(AVG) SHGC(AVG): 9. Floor Types (800.0 a. Raised Floor b. Floor Over Other Sc. N/A	iple family nultiple family is a above grade (ft²) ea abolow grade (ft²)) Description Dbl, U=0.36 SHGC=0.25 N/A N/A N/A age Overhang Depth: age SHGC: N/A N/A sqft.)	Detach 1 2 No 800 0 Insulation R=19.0 R=19.0 R=	Area 84.00 ft² ft² 4.089 ft. 0.250 Area ft² Area 480.00 ft² 320.00 ft² ft²	a. Central Unit 14. Heating systems a. Electric Heat Pump 15. Hot water systems a. Propane Tankless None 16. Credits	npliance
Glass/Floor Area:	0.105	Total F	Proposed Modifie Total Baseline		PASS
I hereby certify that this calculation are in Code. PREPARED BY: DATE: I hereby certify that the with the Florida Energy Company Com	this building, as de	the Florida	2022	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:	COD WE TUNE OF THE STATE OF THE

- 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).

DATE:

- Proposed Qn of NAN exceeds the performance method default limit of 0.08 and therefore does not require duct testing. R405 .2.3

DATE:

INPUT SUMMARY CHECKLIST REPORT

				PROJ	ECT								
Title: Building Type: Owner Name: # of Units: Builder Name: Permit Office: Jurisdiction: Family Type: New/Existing: Comment:	Wayne Green User 1 Columbia County Detached New (From Plans)		Bedrooms: Conditione Total Storie Worst Cas Rotate Ang Cross Ven Whole Hou	ed Area: es: e: gle: tilation:	2 800 2 No 0 Yes No		Lot # Block PlatBo Street Count	t:	sion: (o: F				Circ
				CLIMA	ATE								
√ Des	ign Location	TMY Site			Design Temp 7.5 % 2.5 %		ign Temp Summe		eating ree Day		esign oisture	Daily Rar	170
FL,	Gainesville FL	_GAINESVILLE_F	REGI		32 92	70	75	1	305.5		51	Me	dium
				BLOC	KS								
Number	Name	Area	Volume										
1	Block1	800	6080										
				SPAC	ES								
Number	Name	Area \	Volume I	Kitchen	Occupants	Bedroom	s In	ifil ID	Finishe	ed	Cooled	1	Heate
1	1st Floor	480	3840	Yes	2	0	1		Yes		Yes	,	Yes
2	2nd Floor	320 2	2240	No	3	2	1	19	Yes	3	Yes	1	Yes
				FLOC	RS				0.57				
√ #	FloorType	Space	Peri	meter Per	rimeterR-Value	Area	Jois	t R-Value	е	Tile	Wood	Car	pet
1 Rai	sed Floor	1st Flo	oor	-		480 ft ²		19		0	0	1	ı
2 Floo	or Over Other Space	2nd FI	oor			320 ft²		19		0	0	1	E
				ROC)F								
√ #	Туре	Materials	Roof Area	Gab Are		Rad Barr	Solar Absor.	SA Tested	Emitt	Er Tes		eck sul.	Pito (de
1	Gable or shed	Metal	679 ft²	240 f	t² Medium	N	0.96	No	0.9	١	10	30	45
				ATT	IC								
√ #	Туре	Ventilat	ion	Vent Rat	tio (1 in)	Area	RBS	IRO	cc				
W: 0.000													

INPUT SUMMARY CHECKLIST REPORT

							CEI	LING							
$\sqrt{}$	#	C	eiling	Туре		Space	R-V	alue	Ins Ty	уре	Area	Framing	Frac T	russ Typ	e
	1	U	Inder A	ttic (Un	vented)	2nd Floo	r 38	3	Double B	Batt	480 ft²	0.11		Wood	
							WA	LLS							
V #	Ornt	,	Adjace To	nt Wall	Туре	Space	Cavity R-Value	Wid		Height t In	Area	Sheathing	Framing Fraction	Solar Absor.	Belo Grade
_ 1	S		xterior		me - Wood	1st Floor		30	8		240.0 ft²	1x-value	0.23	0.75	Graud
_ 2	E	E	xterior	Fran	me - Wood	1st Floor	13	16	8	3	128.0 ft²		0.23	0.75	
_ 3	N	E	xterior	Fran	me - Wood	1st Floor	13	30	8	3	240.0 ft ²		0.23	0.75	
_ 4	W	E	xterior	Fran	me - Wood	1st Floor	13	16	8	3	128.0 ft ²		0.23	0.75	
_ 5	S	E	xterior	Fran	me - Wood	2nd Floo	r 13	30	7	•	210.0 ft ²		0.23	0.75	
_ 6	Ε	E	xterior	Fran	me - Wood	2nd Floo	r 13	10	7		70.0 ft ²		0.23	0.75	
_ 7	N	E	xterior	Fran	me - Wood	2nd Floo	13	30	7		210.0 ft ²		0.23	0.75	
_ 8	W	E	xterior	Fran	me - Wood	2nd Floo	r 13	10	7		70.0 ft ²		0.23	0.75	
							DO	ORS							
$\sqrt{}$	#		Ornt		Door Type	Space			Storms	U-Valı	ue Ft	Width In	Heigh Ft	t In	Area
	1		s		Insulated	1st Floor			None	.46	3		6	8 :	20 ft²
						Orientation sho		DOWS		rientation					
1			Wall			Offeritationship	WIT IS THE C	intered, r	Toposea	memation	10	hang			
V	#	Ornt	ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area	Depth	Separation	Int Sha	ade S	Screen
_	1	S	1	Vinyl	Low-E Double	Yes	0.36	0.25	N	30.0 ft ²	9 ft 6 in	0 ft 6 in	Non	е	None
	2	E	2	Vinyl	Low-E Double	Yes	0.36	0.25	N	9.0 ft ²	1 ft 0 in	7 ft 0 in	Non	е	None
_	3	N	3	Vinyl	Low-E Double	Yes	0.36	0.25	N	9.0 ft ²	1 ft 6 in	0 ft 6 in	None	е	None
_	4	W	4	Vinyl	Low-E Double	Yes	0.36	0.25	N	6.0 ft ²	1 ft 0 in	7 ft 0 in	Non	е	None
	5	E	6	Vinyl	Low-E Double	Yes	0.36	0.25	N	15.0 ft ²	1 ft 0 in	2 ft 0 in	None	е	None
_	6	W	8	Vinyl	Low-E Double	Yes	0.36	0.25	N	15.0 ft²	1 ft 0 in	2 ft 0 in	None	Э	None
							INFILT	RATIO	N						
	Scope		М	ethod		SLA C	FM 50	ELA	Ec	ηLA	ACH	ACH	1 50		
Wh	olehous	se	Propo	sed AC	H(50) .	000241	506.7	27.8	52	2.19	.1267	5	i		
			-				HEATING	SYS	ГЕМ						
	#	Sys	tem Ty	ре		Subtype	Speed		Efficiency		Capacity			Block	Ducts
-	1			eat Pum		None	Single		HSPF:8.2	Polya	24 kBtu/hr				Ductles

INPUT SUMMARY CHECKLIST REPORT

					COOL	ING SY	STEM						
$\sqrt{}$		System Type		Subtype		otype	Efficiency	Capacity	32.1934	Flow	SHR	Block	Ducts
	1	Central Unit/		None	Sin	gle	SEER: 14	26.65 kBtu/l	nr 810) cfm	0.7	1	Ductless
					HOT W	ATER S	YSTEM						
$\sqrt{}$	#	System Type	SubType	Locatio	on EF	C	Cap	Use	SetPnt		C	onservation	1
	1	Propane	Tankless	Exterio	or 0.59	1	gal	40 gal	120 deg	Ki.		None	
				s	OLAR HO	T WATE	R SYSTI	EM					
FSEC Cert # Company Name			ame	System Model # Collector Model #						Collector Storage Area Volume FEF			
	None	None								ft²			
TEMPERATURES													
ProgramableThermostat: Y Ceiling Fans:													
Cooling Heating Venting		an [] Feb an [X] Feb an [] Feb	Mar Mar Mar Mar	Apr Apr Apr	[] May [] May [] May	[X] Jun [] Jun [] Jun	[X] Jul [] Jul [] Jul	[X] Aug Aug Aug	[X] Se	ep ep	Oct Oct X Oct	X Nov X Nov X Nov	Dec Dec Dec
Thermosta		ule: HERS 200	6 Reference					ours		_			
Schedule T	ype	In The	1	2	3 4	5	6	7	8	9	10	11	12
Cooling (W	/D)	AM PM	78 80	78 7 80 7	78 78 78 78	78 78	78 78	78 78	78 78	80 78	80 78	80 78	80 78
Cooling (W	/EH)	AM PM	78 78	78 7 78 7	78 78 78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78
Heating (W	/D)	AM PM	66 68	66 6 68 6	66 68 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	68 66
Heating (W	/EH)	AM PM	66 68	66 6 68 6	66 68 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	68 66
						MASS							
Ma	ass Type	9		Area		Thicknes	s	Furniture Fra	ction		Space		
De	efault(8 ll	bs/sq.ft.		0 ft²		0 ft		0.3			Main		

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 73

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

533 SW Homestead Circle, Ft White, FL, 32038

1.	New construction or exi	New (Fro	m Plans)	10. Wall Type and Insulation	Insulation	Area	
2.	Single family or multiple	Detached	d	a. Frame - Wood, Exterior	R=13.0	1296.00 ft ²	
	Number of units, if mult	1		b. N/A c. N/A d. N/A	R= R= R=	ft² ft² ft²	
5.	Number of Bedrooms Is this a worst case? Conditioned floor area ((1 2)	2 No 800		11. Ceiling Type and insulation level a. Roof Deck (Unvented) b. N/A	Insulation R=30.0 R=	Area 480.00 ft² ft²
	Windows** a. U-Factor: SHGC:	Description Dbl, U=0.36 SHGC=0.25	500	Area 84.00 ft²	c. N/A 12. Ducts, location & insulation level	R=	ft² R ft²
	b. U-Factor: SHGC: c. U-Factor:	N/A N/A		ft²	13. Cooling systems a. Central Unit	kBtu/hr 26.7	Efficiency SEER:14.00
	SHGC: d. U-Factor: SHGC: Area Weighted Average	N/A		ft² 4.089 ft.	14. Heating systems a. Electric Heat Pump	kBtu/hr 27.2	Efficiency HSPF:8.20
	Area Weighted Average	4 (1941)		0.250			
	 Skylights U-Factor(AVG): SHGC(AVG): 	Description N/A N/A		Area ft²	15. Hot water systems a. Propane	С	ap: 1 gallons EF: 0.59
	9. Floor Types a. Raised Floor b. Floor Over Other S c. N/A	pace	Insulation R=19.0 R=19.0 R=	Area 480.00 ft ² 320.00 ft ² ft ²	b. Conservationfeatures 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:
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: NA						
Address: 533 SW Homestead Circle							
City: Ft White State	e: FL Zip: 32038						
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. In the control of the con						
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/F)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 official. Testing shall be performed at any time after creation of all penetrations of the intended weatherstripping or other infiltration control measures. 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 accordant Energy Conservation requirements according to the compliance							
Signature of Tester:	Date of Test:						
Printed Name of Tester:							
License/Certification #:	Issuing Authority:						