FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Megan Holloway Street: City, State, Zip: High Springs , FL , Owner: Megan Holloway Design Location: FL, Gainesville	Builder Name: Permit Office: Alachua County Permit Number: Jurisdiction: County: Alachua (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 (288.3 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 Weighted Average SHGC: New (From Plans) Detached 1 At 4 Patched 1 At 5 At 6 At 7 At 6 At 7 At 6 At 7 At 7 At 7 At 7 At 7 At 7 At 8 At 7 At	10. Wall Types(2001.0 sqft.) a. Frame - Wood, Exterior b. Frame - Wood, Adjacent c. N/A d. N/A 11. Ceiling Types (2220.0 sqft.) a. Under Attic (Vented) b. 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 18. Insulation Area R=13.0 129.00 ft² R=13.0 129.00 ft² R=16² Insulation Area R=38.0 2220.00 ft² R=38.0 R=
8. Skylights Area c. U-Factor:(AVG) N/A ft² SHGC(AVG): N/A 9. Floor Types (2115.0 sqft.) Insulation Area a. Slab-On-Grade Edge Insulation R=0.0 2115.00 ft² b. N/A R= ft² c. N/A R= ft²	15. Hot water systems a. Electric Cap: 50 gallons EF: 0.920 b. Conservationfeatures None 16. Credits CV, Pstat
Glass/Floor Area: 0.136 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: 7 / 20 / 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).

				PROJE	СТ							
Title: Building Type: Owner Name: # of Units: Builder Name: Permit Office: Jurisdiction: Family Type: New/Existing: Comment:	Megan Holloway User Megan Holloway 1 Alachua County Detached New (From Plans	,	Bedrooms: Conditione Total Storie Worst Case Rotate Ang Cross Vent Whole Hou	dArea: 2 es: f e: le: (ilation:	3 2115 I No O Yes		Lot# Block PlatB Stree Coun	/Subdivisi ook: t:	20 on: Riv Ala	ver Rise achua gh Springs		
				CLIMA	E							
	ign Location	TMY Site		97.5		Winte		er Degre	ating ee Days		e Ra	Temp inge
FL,	Gainesville	FL_GAINESVILLI	E_REGI	32		70	75	13	05.5	51	Me	edium
				BLOCK	S							
Number	Name	Area	Volume									
1	Block1	2115	19035									
				SPACE	:S							
Number	Name	Area		Kitchen (Occupants	Bedroo	ms Ir	nfil ID F	inished	Cool	ed	Heated
1	1st Floor	2115	19035	Yes	6	3	1	Y	es es	Yes		Yes
				FLOOR	S							
*	Floor Type	Space			R-Value	Area			-	Tile Wo		rpet
1 Slal	b-On-Grade Edge Ir	nsulation 1st	Floor 225	ft	0	2115 ft ²				0 0		1
				ROOF								
√ #	Туре	Materials	Roof Area	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
1	Gable or shed	Composition shing	gles 2365 ft²	528 ft²	Medium	Υ	0.96	No	0.9	No	0	26.57
				ATTIC	;							
√ #	Туре	Vent	lation	Vent Ratio	(1 in)	Area	RBS	IRC	C			
1	Full attic	Vei	nted	300	2	2115 ft²	Υ	N				
				CEILIN	G							
V #	Ceiling Type		Space	R-Value	Ins Ty	ре	Area	Frami	ing Frac	Truss	Туре	
1	Under Attic (Ven	·tod\	1st Floor	38	Double E		2220 ft ²		.11	Wo		

	WALLS													
V #	Ornt	Adjace To		Туре	Space	Cavity R-Value	Wid Ft	th In	Height Ft In	Area	Sheathing R-Value	Framing	Solar Absor.	Below Grade%
1	S	Exterior		me - Wood	1st Floor	13	35		9	315.0 ft ²		0.23	0.75	0
2	Ε	Exterior	Fran	me - Wood	1st Floor	13	31		9	279.0 ft ²		0.23	0.75	0
3	Ν	Exterior	Fran	me - Wood	1st Floor	13	28	4	9	255.0 ft ²		0.23	0.75	0
4	NE	Exterior	Fran	me - Wood	1st Floor	13	4		9	36.0 ft ²		0.23	0.75	0
5	Е	Exterior	Frai	me - Wood	1st Floor	13	5		9	45.0 ft ²		0.23	0.75	0
6	NE	Exterior	Fran	me - Wood	1st Floor	13	4		9	36.0 ft ²		0.23	0.75	0
7	Ν	Exterior	Fran	me - Wood	1st Floor	13	5	8	9	51.0 ft ²		0.23	0.75	0
8	Е	Exterior	Fran	me - Wood	1st Floor	13	11	4	9	102.0 ft ²		0.23	0.75	0
9	Ν	Exterior	Fran	me - Wood	1st Floor	13	19		9	171.0 ft ²		0.23	0.75	0
10	W	Exterior	Fran	me - Wood	1st Floor	13	44		9	396.0 ft ²		0.23	0.75	0
11	S	Garage	Fran	me - Wood	1st Floor	13	14	4	9	129.0 ft ²		0.23	0.75	0
12	W	Exterior	Frai	me - Wood	1st Floor	13	11	4	9	102.0 ft ²		0.23	0.75	0
13	S	Exterior	Fran	me - Wood	1st Floor	13	9	4	9	84.0 ft ²		0.23	0.75	0
DOORS														
\vee	#	Ornt		Door Type	Space			Storms	U-Valı	ue Ft	Width t In	Height Ft I	n	Area
	1	S		Insulated	1st Floor			None	.46	3		6	8 :	20 ft²
<u> </u>	2	Е		Insulated	1st Floor			None	.46	2	6	6	8 1	6.7 ft²
	3	S		Insulated	1st Floor			None	.46	3	i .	6	8 2	20 ft²
				0	rientation show		DOWS		dorientation					
/		Wall			nontationono	WITTO LITE CI	ntorou, r	торозос	2011CHIGHOIT		rhang			
\vee	# (Ornt ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area		Separation	Int Sha	de S	Screening
	1	S 1	Vinyl	Low-E Double	Yes	0.36	0.25	Ν	60.0 ft ²	9 ft 6 in	1 ft 0 in	None)	None
	2	S 1	TIM	Low-E Double	Yes	0.36	0.25	N	13.3 ft ²	9 ft 6 in	1 ft 0 in	None)	None
l	3	E 2	Vinyl	Low-E Double	Yes	0.36	0.25	N	4.0 ft ²	1 ft 6 in	5 ft 0 in	None)	None
l ———	4	E 2	Vinyl	Low-E Double	Yes	0.36	0.25	N	15.0 ft ²	1 ft 6 in	3 ft 0 in	None)	None
	5	N 3	Metal	Low-E Double	Yes	0.36	0.25	N	60.0 ft ²	20 ft 6 in	1 ft 0 in	None)	None
	6	NE 4	TIM	Low-E Double	Yes	0.36	0.25	N	20.0 ft ²	15 ft 6 in	1 ft 0 in	None)	None
l	7	E 5	Vinyl	Low-E Double	Yes	0.36	0.25	N	24.0 ft ²	15 ft 6 in	1 ft 0 in	None	•	None
	8	NE 6	Vinyl	Low-E Double	Yes	0.36	0.25	N	18.0 ft ²	12 ft 6 in	1 ft 0 in	None)	None
	9	N 7	Vinyl	Low-E Double	Yes	0.36	0.25	N	24.0 ft ²	9 ft 6 in	1 ft 0 in	None)	None
	10	N 9	Vinyl	Low-E Double	Yes	0.36	0.25	N	20.0 ft ²	1 ft 6 in	1 ft 0 in	None)	None
	11	W 10	Vinyl	Low-E Double	Yes	0.36	0.25	N	30.0 ft ²	1 ft 6 in	1 ft 0 in	None	·	None

FORM R405-2020

						GA	RAGE								
Scope Method SLA CFM 50 ELA EqLA ACH ACH 50	\bigvee	#	Floor Area	C	Ceiling Area	Exposed	Wall Perim	eter	Avg. Wall I	Height	Exposed	Wall In	sulatio	า	
# Scope Method SLA CFM 50 ELA EqLA ACH ACH 50 1 Wholehouse Proposed ACH(50) .000286 1586.3 87.03 163.38 .1027 5 #EATING SYSTEM # System Type Subtype Speed Efficiency Capacity Block COLING SYSTEM COOLING SYSTEM COOLING SYSTEM		_ 1	744 ft ²		744 ft²	80	0.667 ft		9 ft			1			
Wholehouse						INFILT	TRATION								
HEATING SYSTEM	#	Scope	Method		SLA	CFM 50	ELA	Eq	LA A	ACH	ACH	50			
✓ # System Type Subtype Speed Efficiency Capacity Block End COOLING SYSTEM COOLING SYSTEM ✓ # System Type Subtype Subtype Efficiency Capacity Air Flow SHR Block End — 1 Central Unit/ None Single SEER: 14 24.2 kBtu/hr 720 cfm 0.7 1 s HOT WATER SYSTEM ✓ # System Type SubType Location EF Cap Use SetPnt Conservation — 1 Electric None Garage 0.92 50 gal 40 gal 120 deg None SOLAR HOT WATER SYSTEM FEE Cert # Company Name System Model # Collector Model # Area Volume FEE None None None Air CFM 25 CFM25 H*	1 \	Vholehouse	Proposed AC	CH(50)	.000286	1586.3	87.03	163	3.38 .	1027	5				
1 Electric Heat Pump/ None Single HSPF:8.2 32.64 kBtu/hr 1 s	HEATING SYSTEM														
COOLING SYSTEM	\bigvee	#	System Type		Subtype	Speed	Et	ficiency	Сар	oacity			Block	Dι	ıcts
✓ # System Type Subtype Subtype Efficiency Capacity Air Flow SHR Block Discrete — 1 Central Unit/ None Single SEER: 14 24.2 kBtu/hr 720 cfm 0.7 1 s HOT WATER SYSTEM ✓ # System Type SubType Location EF Cap Use SetPnt Conservation — 1 Electric None Garage 0.92 50 gal 40 gal 120 deg None SOLAR HOT WATER SYSTEM ✓ FSEC Cert # Company Name System Model # Collector Model # Area Volume FEF — None None None FEF Air CFM 25 CFM25 H*		_ 1	Electric Heat Pur	mp/	None	Single	H	SPF:8.2	32.64	kBtu/hr			1	sy	s#1
1 Central Unit/ None Single SEER: 14 24.2 kBtu/hr 720 cfm 0.7 1 s	COOLING SYSTEM														
HOT WATER SYSTEM ✓ # System Type SubType Location EF Cap Use SetPnt Conservation 1 Electric None Garage 0.92 50 gal 40 gal 120 deg None SOLAR HOT WATER SYSTEM ✓ FSEC Cert # Company Name System Model # Collector Model # Area Volume FEF None None It² DUCTS		#	System Type		Subtype	Subtype	e Eff	ciency	Capacity	Air F	Flow SH	R	Block	Dι	ıcts
✓ # System Type SubType Location EF Cap Use SetPnt Conservation — 1 Electric None Garage 0.92 50 gal 40 gal 120 deg None SOLAR HOT WATER SYSTEM ✓ FSEC Cert # Company Name System Model # Collector Model # Area Volume FEF — None None ft² DUCTS Air CFM 25 CFM25 H*		_ 1	Central Unit/		None	Single	SE	ER: 14	24.2 kBtu/h	r 720	cfm 0.	7	1	sy	s#1
1						HOT WAT	ER SYS	ГЕМ							
SOLAR HOT WATER SYSTEM V FSEC Cert # Company Name System Model # Collector Model # Area Volume FEF None None None	\bigvee	#	System Type	SubType	Location	EF	Сар		Use	SetPnt		Cons	ervation	ו	
FSEC Cert # Company Name System Model # Collector Model # Area Volume FEF None None None		_ 1	Electric	None	Garage	0.92	50 gal		40 gal	120 deg		N	one		
Cert # Company Name System Model # Collector Model # Area Volume FEF None None					SOL	AR HOT V	WATER S	YSTE	М						
DUCTS Supply Return Air CFM 25 CFM25 H*	\vee			ıme		System Mod	del#	Co	llector Model			_		FEF	
Supply Return Air CFM 25 CFM25 H'		None	None								ft²				
, ,	DUCTS														
∨ # Location R-Value Area Location Area Leakage⊺ype Handler TOT OUT QN RLF Hea	\/	.,		•				_				211			AC#
1 Attic 6 528.75 f Attic 105.75 f Default Leakage Garage (Default) c(Default) c	V	#						•	Handler			QN	RLF	Heat	1 Coo

TEMPERATURES														
Programa	bleThermo	stat: Y			С	eiling Fans	»:							
Cooling Heating Venting	[] Jan [X] Jan [] Jan	[] Feb [X] Feb [] 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] So [] So [] So	ep ep ep	Oct Oct XOct	[] Nov [X] Nov [X] Nov	[] Dec [X] Dec [] Dec
Thermostat	Schedule:	HERS 2000	6 Reference	•				Но	urs					
Schedule Ty	/pe		1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WI	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	80 78
Cooling (WE	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	78 78
Heating (WI	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	68 66
Heating (WE	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	68 66
MASS														
Mas	ss Type			Area			Thickness		Furniture Fra	ction		Space		
Default(8 lbs/sq.ft.				0 ft²			0 ft 0.3				1st Floo	r		

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 98

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

, High Springs, FL,

1. New construction	on or existing	New (Fr	om Plans)	10. Wall Type and Insulation	Insulation	
2. Single family or	multiple family	Detache	ed	a. Frame - Wood, Exterior	R=13.0	1872.00 ft²
3. Number of units	s, if multiple family	1		b. Frame - Wood, Adjacent c. N/A	R=13.0 R=	129.00 ft ² ft ²
4. Number of Bed	rooms	3		d. N/A	R=	ft²
5. Is this a worst of	case?	No		 Ceiling Type and insulation level Under Attic (Vented) 	Insulation R=38.0	Area 2220.00 ft²
6. Conditionedfloo	or area (ft²)	2115		b. N/A	R=	ft²
7. Windows**	Description		Area	c. N/A	R=	ft²
a. U-Factor: SHGC:	Dbl, U=0.36 SHGC=0.25		288.33 ft²	 Ducts, location & insulation level Sup: Attic, Ret: Attic, AH: Garage 		R ft ² 6 528.75
b. U-Factor:	N/A		ft²			
SHGC:				13. Cooling systems	kBtu/hr	Efficiency
c. U-Factor: SHGC:	N/A		ft²	a. Central Unit	24.2	SEER:14.00
d. U-Factor: SHGC:	N/A		ft²	14. Heating systems	kBtu/hr	Efficiency
Area Weighted Average Overhang Depth: Area Weighted Average SHGC:			10.977 ft. 0.250	a. Electric Heat Pump	32.6	HSPF:8.20
8. Skylights a. U-Factor(ASHGC(AVG	,		Area ft²	15. Hot water systems a. Electric	Ca	ap: 50 gallons EF: 0.92
,). IN// (b. Conservationfeatures		
 Floor Types Slab-On-Grade Edge Insulation N/A 		Insulation R=0.0 R=	Area 2115.00 ft² ft²	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: 20								
Address:									
City: High Springs State	e: FL Zip:								
Air Leakage Test Results Passing results must mee	either the Performance, Prescriptive, or ERI Method								
PRESCRIPTIVE METHOD-The building or dwelling unit shall be test changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Clima	tte Zones 1 and 2.								
the selected ACH(50) value, as shown on Form R405-2020 (Performance) of ACH(50) specified on Form R405-2020-Energy Cal									
CFM(50) × 60 ÷ 19035 Building Volume = ACH(50) PASS	Method for calculating building volume: Retrieved from architectural plans Code software calculated Field measured and calculated								
When ACH(50) is less than 3, Mechanical Ventilation installation Field measured and calculated must be verified by building department. 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 accordate Energy Conservation requirements according to the compliance	nce with the 2020 7th Edition Florida Building Code								
Signature of Tester:	Date of Test:								
Printed Name of Tester:									
License/Certification #:	Issuing Authority:								