FORM R405-2020

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Condo Residence Street: 339 SW Marynik E City, State, Zip: High Springs , FL Owner: Steve & Kendra Co Design Location: FL, Gainesville		Builder Name: Gibraltar Contracting LLC Permit Office: Alachua County Permit Number: Jurisdiction: County: Suwannee (Florida Clima	
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 T. Windows (240.0 sqft.) Description a. U-Factor: Dbl, U=0.36 SHGC: SHGC=0.25 Dbl. U-Factor: N/A SHGC: c. U-Factor: N/A SHGC: Area Weighted Average Overhang Department of the condition of the c	0 n Area 240.00 ft² ft² ft² tth: 5.708 ft. 0.250	10. Wall Types(2145.0 sqft.) a. Frame - Wood, Exterior b. Frame - Wood, Adjacent c. N/A d. N/A 11. Ceiling Types (2263.0 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	Insulation Area R=13.0 1821.00 ft² R=13.0 324.00 ft² R= ft² R= ft² Insulation Area R=38.0 2263.00 ft² R= ft² R= ft² R= ft² R ft² SEER:14.00 KBtu/hr Efficiency 33.4 HSPF:8.20
8. Skylights c. U-Factor:(AVG) N/A SHGC(AVG): N/A	Area ft²	15. Hot water systems	0
9. Floor Types (2155.0 sqft.) a. Slab-On-Grade Edge Insulation b. N/A c. N/A	Insulation Area R=0.0 2155.00 ft ² R= ft ² R= ft ²	a. Electric b. Conservationfeatures None 16. Credits	Cap: 50 gallons EF: 0.920 CV, Pstat
Glass/Floor Area: 0.111	Total Proposed Modified Total Baseline		PASS
I hereby certify that the plans and s this calculation are in compliance w Code. PREPARED BY: 0// 0// 0// 0// 0// 0// 0// 0// 0// 0	ith the Florida Energy	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	THE STATE OF THE S

compliance with Section 553.908 Florida Statutes.

BUILDING OFFICIAL: DATE:

- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualified 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/and this an envelope leakage test report with envelope leakage no greater than 5.00 ACH50 (R402.4.1.2).

with the Florida Energy Code.

OWNER/AGENT:_

DATE:

I hereby certify that this building, as designed, is in compliance

FORM R405-2020 INPUT SUMMARY CHECKLIST REPORT **PROJECT** Title: Condo Residence 4 Address Type: Street Address Bedrooms: **Building Type:** Conditioned Area: 2155 Lot# User Owner Name: Steve & Kendra Condo Total Stories: 1 Block/Subdivision: PlatBook: # of Units: Worst Case: No **Builder Name:** Gibraltar Contracting LLC Rotate Angle: Street: 339 SW Marynik Drive 0 Permit Office: Alachua County Cross Ventilation: Yes County: Suwannee City, State, Zip: Jurisdiction: Whole House Fan: No High Springs, Detached Family Type: FL, New (From Plans) New/Existing: Comment: CLIMATE Design Temp Int Design Temp Heating Design **Daily Temp** TMY Site **Design Location** 97.5% 2.5 % Winter Summer Degree Days Moisture Range FL, Gainesville FL_GAINESVILLE_REGI 32 92 70 75 1305.5 Medium **BLOCKS** Number Name Агеа Volume 1 Block1 2155 19395 **SPACES** Number Volume Name Area Kitchen Occupants **Bedrooms** Infil ID Finished Cooled Heated 1 Main 2155 19395 Yes 8 4 1 Yes Yes Yes **FLOORS** # Wood Carpet Floor Type Space Perimeter R-Value Tile Area 0 2155 ft² 0 1 Slab-On-Grade Edge Insulation Main 241.6667 ft 0 1 ROOF Roof Gable Roof Rad Solar SA **Emitt Emitt** Deck Pitch Materials Area Color Absor. Tested Tested Type Area Barr Insul. (deg) 1 Hip Composition shingles 2495 ft² 0 ft2 Medium Y 0.96 No 0.9 No 0 30.26 ATTIC # Ventilation RBS Type Vent Ratio (1 in) Area IRCC 1 Full attic 300 Y Vented 2155 ft² N **CEILING** # Ceiling Type Space R-Value Ins Type Area Framing Frac Truss Type

1

Under Attic (Vented)

38

Double Batt

2263 ft²

Main

Wood

0.11

FORM R405	2020
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INPUT SUMMARY CHECKLIST REPORT

		5- 2- 15				WA	ALLS							
/#	Ornt	Adjace To		Туре	Space	Cavity R-Value	Wid	lth In	Height Ft In	Area	Sheathing R-Value	Framing Fraction	Solar Absor	Below Grade ^o
_ 1	W	Exterior		me - Wood	Main	13	11	10	9	106.5 ft ²		0.23	0.75	0
_ 2	W	Exterior	Fra	me - Wood	Main	13	18	8	9	168.0 ft ²		0.23	0.75	0
_ 3	N	Exterior	Fra	me - Wood	Main	13	4		9	36.0 ft ²		0.23	0.75	0
_ 4	W	Exterior	Fra	me - Wood	Main	13	12		9	108.0 ft ²		0.23	0.75	C
_ 5	N	Exterior	Fra	me - Wood	Main	13	6		9	54.0 ft ²		0.23	0.75	0
_ 6	W	Exterior	Fra	me - Wood	Main	13	23	8	9	213.0 ft ²		0.23	0.75	0
_ 7	S	Exterior	Fra	me - Wood	Main	13	4		9	36.0 ft ²		0.23	0.75	C
8	S	Exterior	Fra	me - Wood	Main	13	21		9	189.0 ft ²		0.23	0.75	(
_ 9	E	Garage	Fra	me - Wood	Main	13	23		9	207.0 ft ²		0.23	0.75	C
10	S	Garage	Fra	me - Wood	Main	13	13		9	117.0 ft ²		0.23	0.75	0
11	E	Exterior	Fra	me - Wood	Main	13	30	4	9	273.0 ft²		0.23	0.75	C
12	S	Exterior	Fra	me - Wood	Main	13	13	4	9	120.0 ft ²		0.23	0.75	C
13	E	Exterior	Fra	me - Wood	Main	13	12	2	9	109.5 ft²		0.23	0.75	C
_ 14	N	Exterior	Fra	me - Wood	Main	13	45	4	9	408.0 ft ²		0.23	0.75	C
						DO	ORS							
$\sqrt{}$	#	Ornt	:	Door Type	Space			Storms	U-Val	ue Fi	Width In	Height Ft	l In	Area
	1	w		Insulated	Main			None	.46	3		6	8 :	20 ft²
	2	E		Insulated	Main			None	.46	3	E.	6	8 :	20 ft²
				0	rientation sho		DOWS		dorientation					
/	# (Wall	F							Ove	rhang	10		
V		Ornt ID	Frame	Panes Low-E Double	NFRC	U-Factor		Imp			Separation	Int Sha		Screenir
		W 1	Vinyl	5 Page 575	Yes	0.36	0.25	N	30.0 ft²	1 ft 6 in	1 ft 0 in	None		None
	2	W 2	Vinyl	Low-E Double	Yes	0.36	0.25	N	6.0 ft²	8 ft 6 in	1 ft 0 in	None		None
		W 4	Vinyl	Low-E Double	Yes	0.36	0.25	N	30.0 ft²	1 ft 6 in	1 ft 0 in	None		None
		W 6	Vinyl	Low-E Double	Yes	0.36	0.25	N	30.0 ft ²	1 ft 6 in	1 ft 0 in	None		None
_		W 6	2000	Low-E Double	Yes	0.36	0.25	N	4.0 ft ²	1 ft 6 in		None		None
	6	S 8	Vinyl	Low-E Double	Yes	0.36	0.25	N	3.0 ft²		1 ft 0 in	None		None
	7	E 11	Vinyl	Low-E Double	Yes	0.36	0.25	N	18.0 ft²	12 ft 6 in		None		None
	8	E 11	Vinyl	Low-E Double	Yes	0.36	0.25	N	30.0 ft²	12 ft 6 in		None		None
	9	E 11	TIM	Low-E Double	Yes	0.36	0.25	N	40.0 ft ²			None		None
	10	E 13	Vinyl	Low-E Double	Yes	0.36	0.25	N	30.0 ft ²		1 ft 0 in	None		None
	11	N 14	Vinyl	Low-E Double	Yes	0.36	0.25	N	4.0 ft ²		1 ft 0 in	None		None
	12	N 14	Vinyl	Low-E Double	Yes	0.36	0.25	N	15.0 ft ²		1 ft 0 in	None		None

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INPUT SUMMARY CHECKLIST REPORT

Floor Area Ceiling Area Exposed Wall Perimeter Avg. Wall Height Exposed Wall Insulation						GA	RAGE								
# Scope Method SLA CFM 50 ELA EqLA ACH ACH 50 1 Wholehouse Proposed ACH(50) .000286 1616.3 88.67 166.47 .1027 5 # System Type Subtype Speed Efficiency Capacity Block Duc 1 Electric Heat Pump/ None Single HSPF:8.2 33.42 kBtu/hr 1 sysfit System Type Subtype Subtype Efficiency Capacity Air Flow SHR Block Duc 1 Central Unit/ None Single SEER: 14 25.57 kBtu/hr 780 cfm 0.7 1 sysfit 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** V FSEC Cert # CompanyName System Model # Collector Model # Area Volume FEF None None None System Model # Collector Model # Collector Storage FEF **DUCTS** **DUCTS** **DUCTS** **INFILTRATION **ACH ACH ACH ACH ACH 50 **ACH ACH 50 **ACH ACH 50 **ACH 50 *	V	√ # Floor Area			Ceiling Area	Exposed	Exposed Wall Perimeter			Height	Expo	sed Wall	Insulation	n	
# Scope Method SLA CFM 50 ELA EqLA ACH ACH 50 1 Wholehouse Proposed ACH(50) .000286 1616.3 88.67 166.47 .1027 5 HEATING SYSTEM HEATING SYSTEM # System Type		_ 1	759 ft ²		759 ft²		78 ft		9 ft			1			
Wholehouse						INFILT	RATION								
System Type	#	Scope	Method		SLA	CFM 50	ELA	EqLA	. ,	ACH	AC	H 50			
✓ # System Type Subtype Speed Efficiency Capacity Block Duc COOLING SYSTEM COOLING SYSTEM ✓ # System Type Subtype Subtype Efficiency Capacity Air Flow SHR Block Duc — 1 Central Unit/ None Single SEER: 14 25.57 kBtu/hr 780 cfm 0.7 1 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 # CompanyName System Model # Collector Model # Collector Storage Volume FEF None None None FEF Air CFM 25 CFM25 HVAC — Supply— Location — Return — Location Area LeakageType Handler TOT QN RLF Heat CR	1	Wholehouse	Proposed AC	CH(50)	.000286	1616.3	88.67	166.4	7 .	1027		5			
						HEATING	G SYSTEN	1							
V # System Type	V	#	System Type		Subtype	Speed	Effic	iency	Cap	acity			Block	Di	ucts
✓ # SystemType Subtype Subtype Efficiency Capacity Air Flow SHR Block Duct HOT WATER 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 None FEF FEF Air CFM 25 CFM25 HVAC — Supply — Location — Return — Return — Location Air CFM 25 CFM25 HVAC — Supply — Location — Return — Location Area Leakage Type Handler TOT OUT QN RLF Heat RLF		1	Electric Heat Pur	mp/	None	Single	HSP	F:8.2	33.42	kBtu/hr			1	sy	s#1
						COOLIN	G SYSTEM	Λ							
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 # CompanyName System Model # Collector Model # Area Volume FEF None None ft² DUCTS # Location R-Value Area Location Area Leakage Type Handler TOT OUT QN RLF Heat Collector Area Conservation Air CFM 25 CFM25	V	#	System Type		Subtype	Subtype	e Efficie	ency	Capacity	Air	Flow	SHR	Block	Du	ucts
✓ # 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 # CompanyName System Model # Collector Model # Area Volume FEF — None None ft² DUCTS DUCTS DUCTS — Supply—— — Return —— Air CFM 25 CFM25 HVAC — Location R-Value Area Location Area LeakageType Handler TOT OUT QN RLF Heat Colspan="6">Conservation		1	Central Unit/		None	Single	SEEF	R: 14 25	.57 kBtu/h	r 780) cfm	0.7	1	sy	s#1
						HOT WAT	ER SYSTE	EM							
SOLAR HOT WATER SYSTEM V FSEC Cert # CompanyName System Model # Collector Model # Area Volume FEF None None	V	#	System Type	SubType	Location	EF	Сар	U	se	SetPnt		Co	nservatio	n	
V FSEC Cert # CompanyName System Model # Collector Model # Area Volume FEF None None		1	Electric	None	Garage	0.92	50 gal	40	gal	120 deg			None		
Cert # CompanyName System Model # Collector Model # Area Volume FEF None None					SOL	AR HOT W	VATER SY	STEM							- War
DUCTS Supply Return Air CFM 25 CFM25 HVAC # Location R-Value Area Location Area LeakageType Handler TOT OUT QN RLF Heat C	V			ame		System Mod	lel#	Collec	ctor Model					FEF	
Supply Return Air CFM 25 CFM25 HVAC # Location R-Value Area Location Area Leakage Type Handler TOT OUT QN RLF Heat C		None	None								ft²				
V # Location R-Value Area Location Area Leakage Type Handler TOT OUT QN RLF Heat (Manufacture - Ma	DU	ICTS							ATTACK TO	
	V	, #					LookageTe	20				ON	DIF		
			2000 800 900 000 000 000	2.27-2460 2 2.5 -19 250		222-237				1 30030077	- (5000)		KLF	110-220-2	Coo

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INPUT SUMMARY CHECKLIST REPORT

						TEM	PERATUR	RES						
Programa	ableThermo	stat: Y			C	eiling Fans	:							
Cooling Heating Venting	Jan X Jan Jan	X 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] S	ep ep ep	Oct Oct X Oct	X Nov X Nov X Nov	[X] Dec
Thermostat	Schedule:	HERS 200	Reference					Н	ours					
Schedule T	ype		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 (Wi	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 (WI	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							
Ma	ss Type			Area			Thickness		Furniture Fra	ction		Space		
Def	Default(8 lbs/sq.ft. 0 ft²				0 ft		0.3			1st Floor				
Default(8 lbs/sq.ft.		0 ft²			0 ft		0.3			2nd Floo	r			

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 99

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

339 SW Marynik Drive, High Springs, FL,

1.	. New construction or existing		New (Fr	om Plans)	10. Wall Type and Insulation	Insulation	Area
2.	Single family or multiple f	Detache	d	a. Frame - Wood, Exterior	R=13.0	1821.00 ft ²	
	Number of units, if multip	ole family	1		b. Frame - Wood, Adjacent c. N/A	R=13.0 R=	324.00 ft ² ft ²
4.	Number of Bedrooms		4		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 2263.00 ft ²
6.	Conditioned floor area (ff	²)	2155		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		240.00 ft²	 Ducts, location & insulation level a. Sup: Attic, Ret: Attic, AH: Garage 		R ft ² 6 538.75
	b. U-Factor:	N/A		ft²			
	SHGC:				13. Cooling systems	kBtu/hr	Efficiency
	c. U-Factor: SHGC:	N/A		ft²	a. Central Unit	25.6	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:			5.708 ft. 0.250	a. Electric Heat Pump	33.4	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	p: 50 gallons EF: 0.92
	9. FloorTypes		Insulation	Area	 b. Conservation features None 		
	a. Slab-On-Grade Edgeb. N/A	e Insulation	R=0.0 R=	2155.00 ft ² ft ²	Credits (Performance method)		CV, Pstat
	c. N/A		R=	ft ²			

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:	III CON
		STORY OF THE PROPERTY OF THE P



*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: Gibraltar Contracting LLC Community:	Lot: NA							
Address: 339 SW Marynik Drive								
City: High Springs State	: FL Zip:							
Air Leakage Test Results Passing results must meet 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 Climate Changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Climate Changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Climate Changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Climate Changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Climate Changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Climate Changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Climate Changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Climate Changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Climate Changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Climate Changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Climate Changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Climate Changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Climate Changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Climate Changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Climate Changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Climate Changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Climate Changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Climate Changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Climate Changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Climate Changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Climate Changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Climate Changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Climate Changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Climate Changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Climate Changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Climate Changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Climate Changes per hour at a pressure of 0.2	Il be tested and verified as having an air leakage rate of not exceeding or R406-2020 (ERI), section labeled as infiltration, sub-section ACH50.							
When ACH(50) is less than 3, Mechanical Ventilation installation Field measured and calculated When ACH(50) is less than 3, Mechanical Ventilation installation 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 Statuesor 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 theode official. Testing shall be performed at any time after creation of all penetrations of the state of t								
Testing Company								
Company Name: Phone: I hereby verify that the above Air Leakage results are in accordance with the 2020 7th Edition Florida Building Code Energy Conservation requirements according to the compliance method selected above. Signature of Tester: Date of Test:								
Printed Name of Tester:	12 section 2 to 12 section 2 t							
License/Certification #:								