E 2 E



FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Lot 64 The Oaks Of L Street: City, State, Zip: Lake City, FL, 32024 Owner: N/A Design Location: FL, Gainesville		Builder Name: Gibraltar Contracting, LL Permit Office: Columbia County Permit Number: Jurisdiction: Columbia (Florida Clima	
 New construction or existing Single family or multiple family Number of units, if multiple family Number of Bedrooms Is this a worst case? Conditionedfloor area above grade (ft²) Conditionedfloor area below grade (ft²) Conditionedfloor area below grade (ft²) Windows (271.0 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: Skylights c. U-Factor:(AVG) N/A SHGC(AVG): N/A Floor Types (2378.0 sqft.) a. Slab-On-Grade Edge Insulation b. N/A c. N/A 	0.250 Area ft² Insulation Area R=0.0 2378.00 ft² R= ft² R= ft²	14. Heating systems a. Electric Heat Pump 15. Hot water systems a. Electric b. Conservation features None 16. Credits	Efficiency HSPF:8.20
Glass/Floor Area: 0.114	Total Proposed Modified Total Baseline		PASS
I hereby certify that the plans and specthis calculation are in compliance with Code. PREPARED BY: DATE:	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 compliance with Section 553.908 Florida Statutes.	GREAT S.

- 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:

BUILDING OFFICIAL:

with the Florida Energy Code.

OWNER/AGENT:_

DATE:

INPUT SUMMARY CHECKLIST REPORT

				PROJI	ECT							
Title: Building Towner Not # of Units Builder N Permit Of Jurisdictic Family Ty New/Exis Commen	Type: User ame: N/A s: 1 lame: Gibraltar Contr ffice: Columbia Coulon: ype: Detached New (From Pla	nty	Bedrooms Conditione Total Storie Worst Cas Rotate Ang Cross Ven Whole Hou	dArea: es: e: lle: tilation:	4 2378 1 No 0 Yes No		Lot # Bloc Plate Stree Cour	k/Subdivi Book: et:	64 sion: TI C p: La	ot Informa 4 he Oaks o olumbia ake City , L , 320	fLC	
				CLIMA	ATE .							
\checkmark	Design Location FL, Gainesville	TMY Site	. DECI	97	Design Temp 7.5 % 2.5 %	Wint	esign Tem er Sumn	ner Deg	leating gree Days		re R	y Temp ange
	FL, Gamesville	FL_GAINESVILLE	_KEGI		32 92	70	75		1305.5	51	IV	ledium
				BLOC	KS							
Numbe	100 C	Area	Volume									
1	Block1	2378	21402									
1997-5 78				SPAC	SAME SE							
Numbe	C	Area		Kitchen	Occupants	Bedroo	20001000		Finished			Heat
1	Main	2378	21402	Yes	8	4	1		Yes	Yes		Yes
				FLOO	RS							
V	# Floor Type	Space		meter	R-Value	Area					ood Ca	
	1 Slab-On-Grade Edge	Insulation M	ain 243.4		0	2378 ft²			9	0	0	1
				ROO	F							
\checkmark	# Туре	Materials	Roof Area	Gable Area		Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	
	1 Hip	Composition shingl	les 2753 ft²	0 ft²	Medium	Υ	0.96	No	0.9	No	0	30.2
	7			ATTI	С							
1	# Type	Ventila	ation	Vent Rati	o (1 in)	Area	RBS	IRO	cc			
V			16.40	300) 2	2378 ft²	Υ	١	١			
V 	1 Full attic	Vent	ed	000								
<u></u>	1 Full attic	Vent	ed	CEILIN								
V 	1 Full attic # Ceiling Type	Vent	Space		NG	pe	Area	Fram	ning Frac	Truss	Туре	

INPUT SUMMARY CHECKLIST REPORT

	405-2	.020		INPUT	JOHNINA		ALLS	1011	LION	27, 1				
V #	Ornt	Adja To	cent Wa	II Type	Space	Cavity R-Value	Wic Ft	ith In	Height Ft In	Area	Sheathing R-Value	Framing Fraction	Solar Absor.	Belov
1	S	Exterio	or Fra	ame - Wood	Main	13	13	2	9	118.5 ft ²		0.23	0.75	(
_ 2	S	Exterio	or Fra	ame - Wood	Main	13	21	4	10	213.3 ft ²		0.23	0.75	(
_ 3	S	Exterio	or Fra	ame - Wood	Main	13	9	6	9	85.5 ft ²		0.23	0.75	
_ 4	Е	Garag	e Fra	ame - Wood	Main	13	9		10	90.0 ft ²		0.23	0.75	
_ 5	S	Garag	e Fra	ame - Wood	Main	13	25	4	9	228.0 ft ²		0.23	0.75	1
_ 6	Е	Exterio	r Fra	ame - Wood	Main	13	26	2	9	235.5 ft ²		0.23	0.75	
_ 7	Ν	Exterio	r Fra	ame - Wood	Main	13	37	8	10	376.7 ft ²		0.23	0.75	
_ 8	W	Exterio	r Fra	ame - Wood	Main	13	8		10	80.0 ft ²		0.23	0.75)
_ 9	Ν	Exterio	r Fra	ame - Wood	Main	13	18	6	10	185.0 ft ²		0.23	0.75	,
10	E	Exterio	r Fra	ame - Wood	Main	13	8		10	80.0 ft ²		0.23	0.75	
_11	N	Exterio	r Fra	ame - Wood	Main	13	13	2	9	118.5 ft ²		0.23	0.75	(
_12	W	Exterio	r Fra	ame - Wood	Main	13	42	4	9	381.0 ft ²		0.23	0.75	
						DO	ors							
\checkmark	#	Orr	nt	Door Type	Space			Storms	U-Val	ue F	Width t In	Height Ft	'n	Area
	1	S		Insulated	Main			None	.46	3	3	6	8 :	20 ft²
	2	S		Insulated	Main			None	.46	3	3	6	8 :	20 ft²
				0	rientation sho		DOWS		Lorientation					
1		Wall			Homanorione	Willio the Ci	norou,r	торозос	onemation		rhang			
/	# (Ornt ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area		Separation	Int Sha	de S	Screeni
	1	S 1	Vinyl	Low-E Double	Yes	0.36	0.25	N	15.0 ft ²	1 ft 6 in	1 ft 0 in	None	1	None
	2	S 2	Vinyl	Low-E Double	Yes	0.36	0.25	Ν	36.0 ft ²	7 ft 6 in	1 ft 6 in	None		None
	3	S 3	Vinyl	Low-E Double	Yes	0.36	0.25	Ν	6.0 ft ²	1 ft 6 in	1 ft 0 in	None	i	None
	4	E 6	Vinyl	Low-E Double	Yes	0.36	0.25	N	3.0 ft ²	1 ft 6 in	1 ft 0 in	None		None
	5	E 6	Vinyl	Low-E Double	Yes	0.36	0.25	Ν	16.0 ft ²	1 ft 6 in	1 ft 0 in	None		None
_	6	N 7	Vinyl	Low-E Double	Yes	0.36	0.25	N	6.0 ft ²	1 ft 6 in	2 ft 6 in	None	ı	None
_	7	N 7	Vinyl	Low-E Double	Yes	0.36	0.25	Ν	72.0 ft ²	1 ft 6 in	1 ft 0 in	None		None
	8	W 8	Vinyl	Low-E Double	Yes	0.36	0.25	Ν	24.0 ft ²	10 ft 6 in	1 ft 6 in	None		None
	9	N 9	Vinyl	Low-E Double	Yes	0.36	0.25	N	72.0 ft ²	12 ft 6 in	1 ft 0 in	None	Š	None
	10	N 11	Vinyl	Low-E Double	Yes	0.36	0.25	Ν	15.0 ft²	1 ft 6 in	1 ft 0 in	None		None
	11	W 12	Vinyl	Low-E Double	Yes	0.36	0.25	N	6.0 ft ²	1 ft 6 in	1 ft 0 in	None		None
						GAR	AGE							
	#	Flo	or Area	Ceiling	Area	Exposed V	Vall Peri	meter	Avg. W	all Height	Expose	ed Wall Ins	ulation	
	4	500	.59 ft²	582.59	2 613	-	3 ft			ft		1		

INPUT SUMMARY CHECKLIST REPORT

					INFI	LTRATI	ON							
#	Scope	Metho	d	SLA	CFM 50	ELA	E	qLA	ACH		ACH 5	0		
1	Wholehouse	Proposed /	ACH(50)	.000286	1783.5	97.85	18	83.7	.1027		5			
					HEATI	NG SYS	TEM							
	#	System Type		Subtype	Spee	d	Efficienc	у	Capacity	<i>(</i> ************************************		Block	D	ucts
	_ 1	Electric Heat P	ump/	None	Single	е	HSPF:8.	2 3	4.98 kBtu/	hr/hr		1	s	ys#1
					COOLI	NG SYS	STEM							
\vee	#	System Type		Subtype	Subty	/pe	Efficiency	Cap	acity	Air Flow	SHR	Block	D	ucts
	_ 1	Central Unit/		None	Single	Э	SEER: 14	25.66	kBtu/hr	780 cfm	0.7	1	sy	ys#1
					HOT WA	TER SY	STEM							
\vee	#	System Type	SubType	Location	EF	C	ар	Use	Set	Pnt		Conservation	on	
_	_ 1	Electric	None	Garage	0.92	50	gal	40 gal	120	deg		None		
				so	LAR HOT	WATE	RSYSTE	EM						
\vee	FSEC Cert #		Name		System M	odel#	Co	ollector N	lodel#	Collect		Storage /olume	FEF	
	_ None	None								ft²				
					D	UCTS								
\checkmark	#		pply R-Value Area	Re Location	eturn Area	Leaka	geТуре		Air CFM ndler TC		M25 UT (QN RLF	HV Heat	AC#
	_ 1	Attic	6 594.5 ft ²	Attic	118.9 ft²	Default	Leakage	Gara	ge (Def	ault) c(De	fault) c		1	1
					TEMP	ERATU	RES							
Pro	gramableThe	ermostat: Y		C	eiling Fans:									
Cool Heat Vent	ing [] Ja ing [X] Ja ing [] Ja	an []Feb an [X]Feb an []Feb	[X] Mar	Apr Apr Apr	[] May [] May [] May	[X] Jun [] Jun [] Jun	[X] Jul Jul Jul		Aug [X Aug [Sep Sep Sep	Oct Oct X Oct	X Nov X Nov X Nov	×	Dec Dec Dec

Thermostat Schedule:	HERS 200	6 Referen	ice				Ho	urs					
Schedule Type		1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	80	80	80	80
	PM	80	80	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66
Heating (WEH)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66

Default(8 lbs/s	sq.ft.		01	t²		0 ft		0.3			Main		
Mass Type			Area		Т	hickness		Furniture Fraction		Space			
					N	/IASS							
Heating (WEH)	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 (WD)	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
Cooling (WEH)	AM PM	78 78	78 78	78 78	78 78	78 78	78 78						
Cooling (VVD)	PM	80	80	78	78	78	78	78	78 78	78	78	78	78

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 97

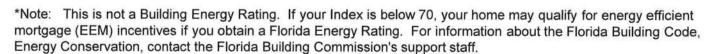
The lower the EnergyPerformance Index, the more efficient the home.

, Lake City, FL, 32024

1.	New construction or exis	sting	New (Fr	om Plans)	10. Wall Type and Insulation	Insulation	Area	
2.	Single family or multiple	family	Detached		a. Frame - Wood, Exterior	R=13.0	1874.00 ft ²	
3.	Number of units, if multi	ple family	1		b. Frame - Wood, Adjacentc. N/A	R=13.0 R=	318.00 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 2497.00 ft ²	
6.	Conditioned floor area (f	t²)	2378		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		271.00 ft²	 Ducts, location & insulation level a. Sup: Attic, Ret: Attic, AH: Garage 		R ft ² 6 594.5	
	b. U-Factor:	N/A		ft²				
	SHGC:				13. Cooling systems	kBtu/hr	Efficiency	
	c. U-Factor: SHGC:	N/A		ft²	a. Central Unit	25.7	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:			6.017 ft. 0.250	a. Electric Heat Pump	35.0 HSPF:8.		
	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. Floor Types		Insulation	Area	b. Conservationfeatures			
,	a. Slab-On-Grade Edg b. N/A	e Insulation	R=0.0 R=	2378.00 ft² ft²	None 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:	GRE
Address of New Home:	City/FL Zip:	GOD WE TRU



**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: 64								
Address:									
City: Lake City State	: FL Zip: 32024								
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 Climi PERFORMANCE or ERI METHOD-The building or dwelling unit sha the selected ACH(50) value, as shown on Form R405-2020 (Performance)	ate Zones 1 and 2. Il be tested and verified as having an air leakage rate of not exceeding								
ACH(50) specified on Form R405-2020-Energy Calc	(Performance) or R406-2020 (ERI): 5.000								
X 60 + 21402 = 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								
Testing shall be conducted by either individuals as defined in Section 553.99 489.105(3)(f), (g), or (i) or an approved third party. A written report of the res	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 (7F/orida 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 individuals 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 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 accordant Energy Conservation requirements according to the compliance in									
Signature of Tester:	Date of Test:								
Printed Name of Tester:									
License/Certification #:	Issuing Authority:								