

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

		FIDIESSION	ai Regulation - Residential Per	iornance Method
Street: 2 City, State, Zip: L Owner: E	Diego Castro 259 SW Mossy Oak Way ake City, FL, 32024 Diego Castro FL, Gainesville		Builder Name: Permit Office: Columbia County Permit Number: Jurisdiction: County: Columbia(Florida County)	Climate Zone 2)
1. New construction of	or existing New (F	rom Plans)	10. Wall Types (2149.5 sqft.)	Insulation Area
2. Single family or mu	ultiple family	Detached	a. Frame - Wood, Exterior	R=19.0 1765.50 ft ²
3. Number of units, if		1	b. Frame - Wood, Adjacent	R=13.0 330.00 ft ²
4. Number of Bedroo		4	c. Frame - Wood, Adjacent d. N/A	R=19.0 54.00 ft ²
5. Is this a worst case	e?	No	11. Ceiling Types(2327.6 sqft.)	Insulation Area
Conditioned floor a Conditioned floor a	area above grade (ft²) area below grade (ft²)	2116 0	a. Flat ceiling under att (Vented) b. N/A c. N/A	R=38.0 2327.60 ft ²
7. Windows(256.0 sc	1. The state of th	Area	12. Roof(Comp. Shingles, Vented)	
a. U-Factor: SHGC:	DЫ, U=0.36 SHGC=0.25	256.00 ft ²	13. Ducts, location & insulation level	
b. U-Factor:	N/A	ft ²	a. Sup: Attic, Ret: Attic, AH: Garageb.	e 6 529
SHGC:	E 207.87		c.	
c. U-Factor: SHGC:	N/A	ft²	14. Cooling Systems	Conplain Linciency
	age Overhang Depth:	5.377 ft	a. Central Unit	26.4 SEER2:15.50
Area Weighted Avera		0.250	19/	りて河
8. Skylights	Description	Area		
U-Factor:(AVG)	N/A	N/A ft ²	a. Electric Heat Pump	33.6 HSPF2:8.80
SHGC(AVG):	N/A	A	63 Compile	
Floor TypesSlab-On-Grade E	Insulation R= 0.0	Area 2116.00 ft ²	16. Hot Water Systems PLANS ET	
b. N/A	R=	ft²	a. Electric	Cap: 50 gallons
c. N/A	R=	ft ²	b. Conservation features	EF: 0.920
				None
			17. Credits	CV, Pstat
Glass/Floor Area: 0.12	21 Total Pr	roposed Modifie		DAGG
NOTE: Proposed residence must h	nave annual total normalized Modified Load	Total Baselin	ne Loads: 56.01 equal to 95 percent of the annual total loads of the standard	PASS reference design in order to comply.
	e plans and specifications c		Review of the plans and	
this calculation are in	compliance with the Florida	Energy	specifications covered by this	OF THE STATE
Code.	WM C7	A	calculation indicates compliance with the Florida Energy Code.	F 20 19
PREPARED BY:	WNU CTI	14)	Refere construction is completed	5
			this building will be inspected for	
DATE:	071072027		compliance with Section 553.908 Florida Statutes.	
	is building, as designed, is in	n compliance	Florida Statutes.	17 COD WE TRUST
with the Florida Energ OWNER/AGENT:	y Code.		BUILDING OFFICIAL:	COD WE TRUST
DATE:			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.
- Default duct leakage does not require a Duct Leakage Test Report.
- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires a PERFORMANCE envelope leakage test report with envelope leakage no greater than 7.00 ACH50 (R402.4.1.2).

INPUT SUMMARY CHECKLIST REPORT

					PROJE	CT							
Owner Build Build Perm Jurise Fami New/ Year	ling Type:	Diego Castro User Diego Castro Columbia County Detached New (From Plans 2024		Bedroom Condition Total Sto Worst Ca Rotate A Cross Ve Whole Ho Terrain: Shielding	ned Area: ries: ase: ngle: entilation: ouse Fan:	4 2116 1 No 0 Yes No Suburban Suburban	Loi Blo Pla Str Co	Idress type: t #: ock/SubDivi atBook: reet: nunty: ty, State, Zip	sion: - 2 0: L	Street Address S59 SW McColumbia ake City, L, 32024		c Way	
					CLIMA	TE							
/ Des	ign ation		Tmy Site		Design 97.5%	Temp 2.5%	Int Des Winter	sign Temp Summer		ating ee Days	Desig Moistur		aily temp ange
FL	, Gainesville		FL_GAINESVILLE_I	REGIONA	32	92	70	75	130	05.5	51	Med	ium
					BLOC	KS							
Num	nber	Name	Area	Vo	lume								
1		Block1	2116	190	044 cu ft								
					SPAC	ES					9 7 0 - 1		
Num	nber	Name	Area	Volume	Kitchen	Occupants	Be	drooms	Fin	ished	Co	oled	Heated
1		1st Floor	2116	19044	Yes	8		4	Yes	S	Υ	'es	Yes
					FLOO	RS		(Total E	xpos	ed Are	a = 2	116 sc	ı.ft.)
/#	Floor Type	е	Space	Expo Perin			Value n. Joist	U-Factor	Sla Vert/l	b Insul. Horiz	Tile	Wood	Carpet
1	Slab-On-Gra	ade Edge Ins	1st Floor	241.83	3 2116	sqft 0		0.304	2	(ft)/0 (ft)	0.00	0.00	1.00
					ROO	F							
/#	Туре		Materials			able Roof rea Color	Ra Bai		SA Test		Emitt Tested	Deck Insul	
_1	Gable or she	ed	Composition shingles	s 25	43 ft² 394	ft² Mediur	n Y	0.96	No	0.9	No	0	33.69
					ATTI	С							
/#	Туре		Ventilation		Vent Rat	io (1 in)	Area	RBS		IRCC			
1	Partial cathe	edral ceiling	Vented		300) ;	2116 ft²	Y		N			
					CEILIN	1G		(Total E	xpos	ed Are	a = 2	328 sq	.ft.)
/#	Ceiling Ty	ре	S	pace	R-Value	e Ins. Typ	e A	rea U-	Factor	Framing	Frac.	Trus	s Type
	EE 11 12 12 12 12 12 12 12 12 12 12 12 12	under attic(Vented)	4-0	t Floor	38.0	Double E			.024	0.1			/ood

INPUT SUMMARY CHECKLIST REPORT

						W/	ALLS	3			(Tota	al Expo	osed	Area =	= 215	0 sq.f	t.)
√# Ornt	Adjacent To	Wall Type		Space	е		vity Value	Width Ft			eight In	Area sq.ft.	U- Factor	Sheath R-Value		Solar Absor.	Below Grade
1 S 2 W 3 S 4 E 5 N 6 N 7 E 8 N 9 W 11 W 12 S 13 W 14 S	Exterior Exterior Exterior Exterior Exterior Exterior Exterior Exterior Exterior Exterior Garage Garage Garage	Frame - Wood Frame - Wood		1s 1	t Floor t Floor	9 9 9 9	19.0 19.0 19.0 19.0 19.0 19.0 19.0 19.0	22.0 14.0 6.0	8 0 8 0 2 8 0 6 0 8 10 8 0 0	9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0		267.0 81.0 114.0 351.0 109.5 177.0 72.0 121.5 72.0 231.0 169.5 204.0 126.0 54.0	0.061 0.061 0.061 0.061 0.061 0.061 0.061 0.061 0.084 0.084		0.23 0.23 0.23 0.23 0.23 0.23 0.23 0.23	0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75	0 % 0 % 0 % 0 % 0 % 0 % 0 % 0 % 0 %
/# Omt	Adjacent Exterio Garage	r Insulated		Space 1st Flo	oor			ms one one			/alue 0.46 0.46				eight In 8 8	20.0 20.0	ift²
	WINDOWS (Total Exposed Area = 256 sq.ft.)																
	Wall ID Frame	Panes	NFRC L	J-Factor	SHGC	Imp	Storm	Total Area (ft²)		Same Units	Width (ft)	Height (ft)	Overl Depth (ft)	_	Interior	Shade	Screen
1 S 2 S 3 E 4 N 5 N 6 N 7 N 8 N 9 N 10W	1 Vinyl 3 Vinyl 4 Vinyl 5 Vinyl 6 Vinyl 6 TIM 8 Vinyl 10 Vinyl 10 Vinyl 11 Vinyl	Low-E Double Low-E Double Low-E Double Low-E Double Low-E Double Low-E Double Low-E Double Low-E Double Low-E Double	Y Y Y Y Y Y Y	0.36 0.36 0.36 0.36 0.36 0.36 0.36 0.36	0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25	22222222	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	60.0 15.0 4.0 15.0 45.0 20.0 45.0 30.0 6.0 16.0		4 1 1 3 1 3 2 1	3.00 3.00 4.00 3.00 3.00 3.00 3.00 3.00	5.00 5.00 1.00 5.00 5.00 6.67 5.00 5.00 3.00 4.00	9.5 1.0 1.5 1.5 9.5 9.5 1.5 1.5 1.5	1.0 3.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	Noi Noi Noi Noi Noi Noi Noi Noi	ne ne ne ne ne ne ne	None None None None None None None None
					INF	ILT	RAT	ION									
/# Scope		ethod posed ACH(50)	SL 0.000		CFM50 2222		ELA 21.89	Eq.			CH 1438	7.0) Spac	A &	Infiltrati	ion Test cu ft	Volume
					-	BAI	RAG	E		-		they made	A	ante estado	tela soluent		
V #	Floor Area	R	loof Area	1	Exp	osec	l Wall P	erimete	er		Avg	. Wall Hei	ght	Expo	sed Wa	ıll Insulat	ion
1	616 ft²		616 ft²				66 ft					9 ft			1		

FORM R405-2023

INPUT SUMMARY CHECKLIST REPORT

							N	//ASS		-						
\bigvee	#	Mass Type			Area			Thickness	3	Fui	rniture Fra	action	Spa	ace		
_	_1	Default(8 lbs/s	q.ft.)		0 ft²			0 ft			0.30		1st	Floor		
					2-1-W-2-U/O-0-1-0	H	EATIN	IG SY	STEN	//						
\vee	#	System Type		Sul	btype/Spe	ed	AHRI#	Effici	ency	Capa kBtu		Geothe		tPump- olt Cur		s Block
_	_ 1	Electric Heat F	Pump	N	one/Single	1		HSPF2	: 8.80	33.	.6	0.0	0.0	00 0.	00 sys#	1 1
						CC	OOLIN	IG SY	STEN	Л						
<i>\</i>	#	System Type		Sul	otype/Spe	ed	AHRI	# Effi	ciency		Capacity kBtu/hr		Flow cfm	SHF	R Duc	t Block
	_1	Central Unit			None/Sing	gle		SEE	R2:15.5	26.	.4	đ	780	0.70) sys#	1 1
						НОТ	r WA	TER S	YSTE	EM						
\vee	#	System Type	Subtype		Location	1	EF(UE	F) Cap) (Jse	SetPnt	Fixture	Flow	Pipe In	s. Pi	pe length
_	_1	Electric	None		Garage		0.92 (0.9	92) 50.00	gal 40) gal	120 deg	Stan	dard	None		12
		Recirculation System		c Control Type		Loop length	Branci length		•	VHR	Faciliti Connec			DWHF Eff	R Oth	er Credits
_	_ 1	No				NA	NA	NA	No)	NA	N	A	NA	No	one
							D	UCTS								
/	Duc #		upply R-Value A	rea Loca		urn R-Value	Area	Leakag	е Туре	ı	Air Handler	CFM 25 TOT	CFM 25 OUT	QN OUT	RLF	HVAC# Heat Cool
_	_1/	Attic	6.0 529	ft ² Attic		6.0	106 ft²	Default L	.eakage	1	Garage	(Default) (Default)			- 1 1
						T	EMPE	RATU	IRES							
F	Prog Cooli leat /enti	ng [X] Jan	ostat: Y [] Feb [X] Feb [] Feb	[] Mar [X] Mar [X] Mar	[] Apr [] Apr [X] Apr	[]	Иаy	ans: N [X] Jun [] Jun [] Jun	[X] Jul [] Jul [] Jul		[X] Aug [] Aug [] Aug	[X] Sep [] Sep [] Sep	[] Oo [] Oo	ct	[] Nov [X] Nov [X] Nov	[] Dec [X] Dec [] Dec
/	The	ermostat Schedo nedule Type	ule: HERS 2	006 Referei 1	nce 2	3	4	5	6	Hour	s 7	8	9	10	11	12
_	Co	oling (WD)	AM PM	78 80	78 80	78 78	78 78	78 78	78 78	3	78 78	78 78	80 78	80 78	86	0 80 3 78
_	_ Co	oling (WEH)	AM PM	78 78	78 78	78 78	78 78	78 78	78 78	3	78 78	78 78	78 78	78 78	78 78	3 78 3 78
	_ He	ating (WD)	AM PM	66 68	66 68	66 68	66 68	66 68	68 68	3	68 68	68 68	68 68	68 68	68	8 68 6 66
-	_ He	ating (WEH)	AM PM	66 68	66 68	66 68	66 68	66 68	68 68	3	68 68	68 68	68 68	68 68	66	8 68 6 66

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD ESTIMATED ENERGY PERFORMANCE INDEX* = 87

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

259 SW Mossy Oak Way, Lake City, FL, 32024

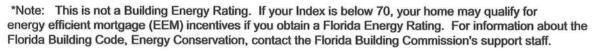
1.	New construction or ex	isting	New (From	m Plans)	10.	Wall Types (2149.5 sqft.)	Insulatio	n	Area
2.	Single family or multiple	e family		Detached		. Frame - Wood, Exterior	R=19.0		.50 ft ²
3.	Number of units, if mult	iple family		1		Frame - Wood, Adjacent Frame - Wood, Adjacent	R=13.0 R=19.0		.00 ft ²
	Number of Bedrooms	•		4		. N/A	K-19.0	54	.00 ft ²
5.	Is this a worst case?			No	11.	Ceiling Types(2327.6 sqft.)	Insulatio		Area
6.	Conditioned floor area			2116 0	b.	. Flat ceiling under att (Vented) . N/A . N/A	R=38.0	2327	.60 ft ²
а	Windows** . U-Factor: SHGC:	Description Dbl, U=0.36 SHGC=0.25	:	Area 256.00 ft ²	12. 13.	Roof(Comp. Shingles, Vented) I Ducts, location & insulation level Sup: Attic, Ret: Attic, AH: Garage		25 R 6	543 ft ² ft ² 529
	. U-Factor: SHGC: . U-Factor:	N/A N/A		ft² ft²	b. c. 14.		kBtu/hr	Fffi	ciency
	SHGC: rea Weighted Average rea Weighted Average		th:	5.377 ft 0.250		Central Unit	100		:15.50
	Skylights U-Factor:(AVG) SHGC(AVG):	Description N/A N/A		Area N/A ft ²		Heating Systems Electric Heat Pump	kBtu/hr 33.6		ciency 2:8.80
a	Floor Types . Slab-On-Grade Edge . N/A . N/A		=	Area 2116.00 ft ² ft ² ft ²	a.	Hot Water Systems Electric Conservation features	Сај		allons 0.920
					D.	Conservation leatures			None
					17.	Credits		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: 259 SW Mossy Oak Way

City/FL Zip: Lake City,FL,32024



**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 2023 Florida Building Code, Energy Conservation, 8th Edition

Jurisdiction:		Permit #:							
Job Information									
Builder:	Community:	Lot:	NA						
Address: 259 SW Mossy Oak W	/ay								
City: Lake City	State:	FL Zip: 32	024						
Air Leakage Test Results	Passing results must meet e	ither the Performance, Prescriptive	, or ERI Method						
changes per hour at a pressure of PERFORMANCE or ERI METHOI the selected ACH(50) value, as shown or ACH(50) specified x 60 ÷ 19044 CFM(50) Building	0.2 inch w.g. (50 Pascals) in Climat D-The building or dwelling unit shall a Form R405-2023 (Performance) of on Form R405-2023-Energy Calc	be tested and verified as having an air let R406-2023 (ERI), section labeled as in (Performance) or R406-2023 (ERI): Method for calculations are described in the section of the section	eakage rate of not exceeding						
PASS When ACH(50) is less that must be verified by buildir	an 3, Mechanical Ventilation ins ng department.	Code softwar	e calculated ed and calculated						
R402.4.1.2 Testing. The building or dwelling unit shall be tested and verified as having an air leakage rate not exceeding seven air changes per hour in Climate Zones 1 and 2, and three air changes per hour in Climate Zones 3 through 8. Dwelling units with an air leakage rate less than three air changes per hour shall be provided with whole-house mechanical ventilation in accordance with Section R403.6.1 of this code and Section M1507.3 if the Florida Building Code, ResidentialTesting 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 decomposition 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 turned off.									
Supply and return registers, if installed a return registers in the insulated a attic shall be opened during the test and the infiltration volume and calculating the a return registers.	at the roof deck, interior access doo he volume of the attic shall be adde	rs and hatches between the conditioned	space volume and the irposes of reporting						
Testing Company									
Company Name: I hereby verify that the above Air Leakage requirements according to the compliance		Phone: 2023 8th Edition Florida Building Code	Energy Conservation						
Signature of Tester:		Date of Test:							
Printed Name of Tester:									
License/Certification #:		Issuing Authority:							