FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

•			Builder Name	
Project Name: Street:	Canter Residence		Builder Name: Permit Office: Columbia County	
City, State, Zip:	Lake City, FL,		Permit Number:	
Owner:	Terry Canter		Jurisdiction:	
Design Location:	FL, Gainesville		County: Columbia(Florida	Climate Zone 2)
1. New construction	n or existing	New (From Plans)	10. Wall Types(2896.0 sqft.)	Insulation Area
2. Single family or r	nultiple family	Detached	a. Frame - Wood, Exterior	R=13.0 1382.70 ft ²
3. Number of units,	if multiple family	1	b. Frame - Wood, Exterior c. Frame - Wood, Adjacent	R=19.0 1173.30 ft ² R=19.0 340.00 ft ²
4. Number of Bedro	ooms	2	d. N/A	
5. Is this a worst ca	se?	No	11. Ceiling Types(2135.0 sqft.)	Insulation Area
6. Conditioned floor	area above grade (f	t²) 2844	a. Flat ceiling under att (Vented)b. N/A	R=38.0 2135.00 ft ²
Conditioned floor	area below grade (fl	t ²) 0	c. N/A	
7. Windows(302.0		Area	12. Roof(Metal, Vented)	Deck R=0.0 1734 ft ²
a. U-Factor: SHGC:	Dbl, U=0.36 SHGC=0.25	302.00 ft ²	13. Ducts, location & insulation leve	
b. U-Factor:	N/A	ft²	a. Sup: Attic, Ret: Attic, AH: Garaç	ge 6 711
SHGC:			C.	
c. U-Factor:	N/A	ft ²	14. Cooling Systems	kBtu/hr Efficiency
SHGC:	erage Overhang Dep	th: 4.985 ft	a. Central Unit	94.2 SEER2:15.50
Area Weighted Ave		0.250		
8. Skylights	Description	Area	15. Heating Systems	kBtu/hr Efficiency
U-Factor:(AVG)	N/A	N/A ft ²	a. Electric Heat Pump	54.6 HSPF2:8.80
SHGC(AVG):	N/A			
9. Floor Types		sulation Area	16. Hot Water Systems	
a. Slab-On-Gradeb. Floor Over Other	•	= 0.0 1443.00 ft ² = 19.0 1401.00 ft ²	a. Electric	Cap: 50 gallons
c. N/A	R=			EF: 0.920
			b. Conservation features	None
			17. Credits	CV, Pstat
Glass/Floor Area: 0.	106	Total Proposed Modi	fied Loads: 57.32	DAGO
NOTE: Proposed residence mu	st have annual total normalized	Total Base Modified Loads that are less than	line Loads: 67.49 or equal to 95 percent of the annual total loads of the standar	PASS d reference design in order to comply.
	the plans and specifi		Review of the plans and	17
this calculation are i	n compliance with the	e Florida Energy	specifications covered by this	OF THE STATE
Code.	1) (1	1994	calculation indicates compliance	ST COM
PREPARED BY:	WW (711	with the Florida Energy Code. Before construction is completed	5 5
		24	this building will be inspected for	
DATE:	11/06/20		compliance with Section 553.908	O A
		gned, is in compliance	Florida Statutes.	12 **
with the Florida Ene	rgy Code. Robert Hoag	griou, io in compliance		GOD WE TRU
OWNER/AGENT:	7/		BUILDING OFFICIAL:	
DATE: 11.6			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).

				PROJE	СТ						
Title: Building Type: Owner: Builder Home ID: Builder Name: Permit Office: Jurisdiction: Family Type: New/Existing: Year Construct: Comment:	Canter Residence User Terry Canter Columbia County Detached New (From Plans) 2024		Bedrooms Condition Total Stor Worst Ca Rotate Ar Cross Ve Whole Ho Terrain: Shielding	ed Area: ries: se: ngle: ntilation: ouse Fan:	2 2844 2 No 0 Yes No Suburban Suburban	Lot a Bloc Plati Stre Cou	:k/SubDivisi Book: et:	Lot 6 fon: Cannon Cr Columbia Lake City, FL,	eek SD		
				CLIMA	TE						
Design Location		Tmy Site		Design 97.5%	Temp 2.5%	Int Desiç Winter	gn Temp Summer	Heating Degree Days	Design Moisture		ily temp nge
FL, Gainesville	F	L_GAINESVILLE_	REGIONA	32	92	70	75	1305.5	51	Medi	um
				BLOC	KS						
Number	Name	Area	Vol	ume							
1	Block1	2844	241	195 cu ft							
				SPAC	FS						
Number	Name	Area	Volume	Kitchen	Occupants	s Bed	rooms	Finished	Coole	ed H	leated
1	1st Floor 2nd Floor	1443 1401	12987 11208	Yes No	4 4		1 1	Yes Yes	Ye Ye		Yes Yes
				FLOO	RS	(Total E	xposed Are	a = 14	43 sq	.ft.)
√# Floor Typ	е	Space	Expo: Perim				U-Factor	Slab Insul. Vert/Horiz	Tile V		Carpet
	ade Edge Ins Other Space	1st Floor 2nd Floor	154			 19	0.304 0.046	2 (ft)/0 (ft)	0.00 0.00	0.00 0.00	1.00 1.00
				ROO	F						
√# Type		Materials			able Roo area Colo			SA Emitt Tested	Emitt Tested	Deck Insul.	Pitch (deg)
1 Gable or sh	ed	Metal	17	34 ft² 480) ft² Mediu	m Y	0.96	No 0.9	No	0	33.69
				ATTI	С						
√# Type		Ventilation	1	Vent Rat	io (1 in)	Area	RBS	IRCC			
1 Full attic		Vented		30	•	1443 ft²	Y	N			

	CEILING (Total Exposed Area = 2135 sq.ft.								ft.)						
√# c	eiling Type		Sp	ace	R-Va	alue In	s. Type	Aı	rea	U-Facto	or Fra	ıming Fra	C.	Truss	Туре
	t ceiling under attic(Vented) t ceiling under attic(Vented)			Floor Floor		38.0 Double Batt 38.0 Double Batt						0.11 0.11			
					WA	LLS		((Tota	al Expo	sed.	Area =	289	6 sq.:	ft.)
√# Ornt	Adjacent To	Wall Type	Spac	e	Cavi R-Va	•	dth t In		eight In	Area sq.ft.	U- Factor	Sheath R-Value		Solar Absor.	Below Grade
1 N 2 N 3 W 4 S 5 W 6 S 7 E 9 E 10 N 11 W 12 N 13 W 14 S 15 S 16 E 17 N 18 E	Exterior Exterior Exterior Exterior Exterior Exterior Exterior Exterior Garage Exterior	Frame - Wood	1s 1s 1s 1s 1s 1s 2n 2n 2n 2n 2n 2n 2n 2n	st Floor st Floor st Floor st Floor st Floor st Floor st Floor st Floor d Floor	19 19 19 19 19 19 19 19 19 13 13 13 13 13 13 13 13	.0 13 .0 34 .0 2.0 24 .0 2.0 3.0 34 .0 17 .0 15 .0 13 .0 20 .0 13 .0 27 .0 20 .0 30 .0 15	0 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10.6 10.6 10.6 10.6 10.6 10.6 10.6 8.0 8.0 8.0 8.0 8.0 8.0		246.7 135.0 340.0 135.0 20.0 246.7 20.0 340.0 141.3 122.7 108.0 160.0 242.7 122.7	0.061 0.061 0.061 0.061 0.061 0.061 0.084 0.084 0.084 0.084 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 % 0 %
√# Ornt	Adjacent	To Door Type	Spac	e		Storms		U-V	/alue		idth t In		ight In	Ar	ea
1 N	Exterio Garage		1st F 1st F			None None			0.46 0.46	3.00 3.00		8.00 8.00	0	24.0 24.0	
				V	VIND	ows			(То	tal Exp	osec	d Area	= 30	2 sq.:	ft.)
√# Ornt	Wall ID Frame	Panes	NFRC U-Facto	r SHGC	Imp S	torm A		ame \ Inits	Width (ft)	Height (ft)	Overl Depth (ft)		Interior	Shade	Screen
1 N 2 N 3 W 4 S 5 S 6 N 7 W 8 E	1 Vinyl 2 Vinyl 3 Vinyl 4 Vinyl 6 Metal 10 Vinyl 13 Vinyl 16 Vinyl	Low-E Double	Y 0.36 Y 0.36 Y 0.36 Y 0.36 Y 0.36 Y 0.36 Y 0.36 Y 0.36	0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25	N N N N N N N N	N 1 N 4 N 3 N 9 N 3 N 3	0.0 5.0 5.0 6.0 6.0 0.0 0.0	1 3 2 1 2	2.50 2.50 2.50 3.00 12.00 3.00 3.00 3.00	4.00 6.00 6.00 6.00 8.00 5.00 5.00 5.00	9.5 1.5 1.0 1.5 11.5 1.0 1.0	1.0 1.0 5.0 1.0 1.0 3.0 4.0	Noi Noi Noi Noi Noi Noi	ne ne ne ne ne	None None None None None None None
√# Scope	, B.A.	othod	SI V			ATIC		^.	CLI	۸۵۵۶۷) Spec	20(5)	Infiltrat	ion Tost	Volume
		posed ACH(50)	0.00038	2823	154		EqLA !90.74		CH 855	7.0) Spac		24195		volume

					GAF	RAGE						
/ #	Floor Are	ea	Roof Area		Exposed	Wall Perim	eter	Avg.	Wall Height	Expos	sed Wall In	sulation
1	816 ft²		816 ft²			82 ft			10 ft		1	
					MA	ASS						
V #	Mass Type		Area		Tł	nickness	F	urniture Fra	ction	Space		
1	Default(8 lbs/sq.ft. Default(8 lbs/sq.ft.		0 ft² 0 ft²			0 ft 0 ft		0.30 0.30		1st Floor 2nd Floor		
HEATING SYSTEM												
/ #	System Type		Subtype/Spee	ed	AHRI#	Efficiency		pacity 8tu/hr En	Geothermal try Power	HeatPump- Volt Cu		Block
1	Electric Heat Pum	р	None/Single			HSPF2: 8.	80 5	54.6	0.00	0.00 0	.00 sys#1	1
				CC	OLING	SYS1	ЕМ					
/ #	System Type		Subtype/Spee	d	AHRI#	Efficier	ісу	Capacity kBtu/hr	Air Flow	w SHI	R Duct	Block
1	Central Unit		None/Sing	le		SEER2:	15.5 9	94.2	2826	0.7	0 sys#1	1
				НОТ	WATI	ER SYS	STEM					
\ #	System Type	Subtype	Location		EF(UEF)	Сар	Use	SetPnt	Fixture Flo	w Pipe Ir	ns. Pip	e length
1	Electric	None	Garage		0.92 (0.92)) 50.00 gal	40 gal	l 120 deg	Standard	None	Э	12
	Recirculation System	Recirc C Type		Loop length	Branch length	Pump power	DWHR	R Facilition		DWHI Eff	R Othe	er Credits
1	No			NA	NA	NA	No	NA	NA	NA	No	ne
					DU	CTS						
V Buct		ly ′alue Area		urn R-Value		Leakage T	ype	Air Handler		M 25 QN OUT OUT	RLF H	HVAC # Heat Cool
1 A	Attic	6.0 711 ft²	Attic	6.0	142 ft² [Default Leal	age	Garage	(Default) (Defa	ult)		1 1
				TI	EMPER	RATUR	ES					
Progr Cooli Heati Venti	ing [X] Jan [X] Feb [X] Feb [] Mar [] Apr X] Mar [] Apr X] Mar [X] Apr	N [] N [] N []	/lay []	Jun [i Jun [X] Jul] Jul] Jul	[X] Aug [] Aug [] Aug	[]Sep	[] Oct [] Oct [X] Oct	[] Nov [X] Nov [X] Nov	[] Dec [X] Dec [] Dec
- /	ermostat Schedule: nedule Type		Reference 1 2	3	4	5	Ho 6	urs 7	8 9	10	11	12
Co	oling (WD)	AM PM	78 78 80 80	78 78	78 78	78 78	78 78	78 78	78 8 78 7	60 80 8 78	80 78	80 78
Co	oling (WEH)	AM PM	78 78 78 78	78 78	78 78	78 78	78 78	78 78	78 7 78 7	8 78 8 78	3 78 3 78	78 78

FORM R405-2023

TEMPERATURES(Continued)													
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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD ESTIMATED ENERGY PERFORMANCE INDEX* = 85

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

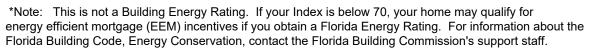
,Lake City,FL,

1. New construction or ex	xisting	New (Fr	om Plans)	10. Wall Types (2896.0 sqft.) Insulation A	rea
2. Single family or multiple family			Detached	a. Frame - Wood, Exterior R=13.0 1382.70	
3. Number of units, if mu	Itiple family		1	b. Frame - Wood, Exterior R=19.0 1173.30 c. Frame - Wood, Adjacent R=19.0 340.00	_
4. Number of Bedrooms			2	d. N/A	JIL
5. Is this a worst case?			No	9 .) (rea
Conditioned floor area Conditioned floor area			2844 0	a. Flat ceiling under att (Vented) R=38.0 2135.00 b. N/A c. N/A) π -
7. Windows** a. U-Factor: SHGC: b. U-Factor: SHGC:	Description Dbl, U=0.36 SHGC=0.25 N/A		Area 302.00 ft ² ft ²	12. Roof(Metal, Vented) Deck R=0.0 1734 13. Ducts, location & insulation level R a. Sup: Attic, Ret: Attic, AH: Garage 6 7 b. c.	4 ft ² ft ² 111
c. U-Factor: SHGC: Area Weighted Average Area Weighted Average	•	pth:	ft ² 4.985 ft 0.250	14. Cooling Systems kBtu/hr Efficie a. Central Unit 94.2 SEER2:15	-
8. Skylights U-Factor:(AVG) SHGC(AVG):	Description N/A N/A		Area N/A ft²	15. Heating Systems kBtu/hr Efficie a. Electric Heat Pump 54.6 HSPF2:8	-
9. Floor Typesa. Slab-On-Grade Edge Insulationb. Floor Over Other Spacec. N/A		nsulation R= 0.0 R= 19.0 R=	Area 1443.00 ft ² 1401.00 ft ² ft ²	16. Hot Water Systems a. Electric Cap: 50 gallo EF: 0.9	920
				No. Credits CV, Page 17.	one stat

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: Robert Hoag Date: 11/6/24

Address of New Home: City/FL Zip: Lake City,FL,



**Label required by Section R303.1.3 of the Florida Building Code, Energy Conservation, if not DEFAULT.

