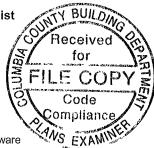
FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name CCBA Spec Home Street City, State, Zip Lake City , FL , 32025- Owner Columbia County Builders Association Design Location FL, Gainesville	Builder Name Permit Office Permit Number Jurisdiction	·
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) 7 Windows(164 0 sqft) Description a U-Factor Dbl, U=0 55 164 00 ft² SHGC SHGC=0 50 b U-Factor N/A ft² SHGC c U-Factor N/A ft² SHGC d U-Factor N/A ft² SHGC d U-Factor N/A ft² SHGC Area Weighted Average Overhang Depth Area Weighted Average SHGC a Slab-On-Grade Edge Insulation R=0 0 1500 00 ft² C N/A R= ft² C SHGC C N/A Total Proposed Modif Total Standard Referent		Insulation Area R=13 0 1497 30 ft² R= ft² R= ft² R= ft² Insulation Area R=30 0 1500 00 ft² R= ft² R= ft² R= ft² R ft² 6 300 kBtu/hr Efficiency 35 0 SEER 15 00 kBtu/hr Efficiency 35 0 HSPF 7 70 Cap 50 gallons EF 0 920 CF, Pstat
I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code PREPARED BY DATE. 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	

- Compliance requires completion of a Florida Air Barrier and Insulation Inspection Checklist



			F	PROJECT					. ,		
Title Building Type Owner # of Units Builder Name Permit Office Jurisdiction Family Type New/Existing Comment	CCBA Spec Ho User Columbia Cour 1 Single-family New (From Pla	nty Builders As	Bedrooms Conditioned A Total Stories Worst Case Rotate Angle Cross Ventila Whole House	1 No 0 ation	98		Address T Lot # Block/Subi PlatBook Street County City, State	Division , Zip	Street Add Columbia Lake City FL , 3		
				CLIMATE			_				
√ De	sign Location	TMY Site	IECC Zone		n Temp 25%	Int Desigr Winter		Heating Degree Da			ily Temp Range
FL	., Gainesville	FL_GAINESVILLE	_REGI 2	32	92	70	75	1305 5	5	1	Medium
				BLOCKS							
Number	Name	Area	Volume								
1	Block1	1500	13500								
				SPACES							
Number	Name	Area	Volume Kit	chen Oc	cupants	Bedrooms	infil IE) Finish	ed C	Cooled	Heat
1	Main	1500	13500	es	6	3	1	Yes	Y	'es	Yes
				FLOORS							
/ #	Floor Type	Space	Perime	eter R-	/alue	Area			Tile	Wood	Carpet
1SI	ab-On-Grade Edge	Insulatio Ma	ain 195 ft		0	1500 ft²			0 2	02	0 6
				ROOF							
/ #	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor	SA Tested	Emitt	Emitt Tested	Deck Insul	
1	Нір	Composition shingl	les 1678 ft²	0 ft²	Medium	0 96	No	0 9	No	0	26 (
				ATTIC							
V #	Туре	Ventila	ation \	√ent Ratio (1	in)	Area	RBS	IRCC			
1	Full attic	Vent	ied	300		1500 ft²	N	N			
				CEILING	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·					
V #	Ceiling Type		Space	R-Value	A	rea	Framing	Frac	Tr	uss Typ	е
1	Under Attic (Ve	ented)	Main	30	15	000 ft²	0.1			Wood	

							WA	LLS							
<u>/</u>	# Ornt	,	Adjace To		Tuno	Space	Cavity	Wid		Height	۸۷۰۰	Sheathing	Framing	Solar	
. V	#OIIIC 1 N	E)	_∟o xterior		Type ne - Wood	Main	R-Value 13	—Ft_ 47	ln 6	_Ftln 8	Area_ 380 0 ft ²		Fraction_ 0 23	_Absor 0 75	Grade 0
	2 E	E	xterior	Frar	ne - Wood	Main	13	46	8	8	373 3 ft ²		0 23	0 75	0
	3 S	Ex	xterior	Frar	ne - Wood	Main	13	47	6	8	380 0 ft²		0 23	0 75	0
	4 W	Ex	xterior	Frar	ne - Wood	Main	13	45	6	8	364 0 ft²		0 23	0 75	0
				/ · · · · · · · · · · · · · · · · · · ·			DO	ors							
$\sqrt{}$	#		Ornt	t	Door Type	Space			Storms	U-Val		Width t In	Height Ft	i In	Area
	1		N		Insulated	Main			None	46		3	7		21 ft²
	_ 2		S		Wood	Main			None	46	1	6	7		112 ft²
	_ 3		S		Insulated	Main			None	46	;	3	7		21 ft²
				•	0.	iontation ab		oows		d outoutotto					***************************************
/			Wall		OI	ieritation sii	own is the er	iterea, i	ropose	u onemano		erhang			
\vee	#	Ornt	iD	Frame	Panes	NFRC	U-Factor	SHGC		Area		Separation	Int Sha	ide	Screenin
	_ 1	N	1	Vinyl	Double (Clear)	Yes	0 55	0 5		20 0 ft ²	0 ft 0 in	0 ft 0 in	Drapes/b	linds	None
	_ 2	Ν	1	Vinyl	Double (Clear)	Yes	0 55	0 5		75 0 ft²	0 ft 0 in	0 ft 0 in	Drapes/b	linds	None
	_ 3	E	2	Metal	Double (Clear)	Yes	0 55	0 5		3 0 ft²	0 ft 0 in	0 ft 0 in	Drapes/b	linds	None
	4	S	3	Vinyl	Double (Clear)	Yes	0 55	0 5		40 0 ft ²	0 ft 0 in	0 ft 0 in	Drapes/b	linds	None
	5	W	4	Vinyl	Double (Clear)	Yes	0 55	0 5		6 0 ft²	0 ft 0 in	0 ft 0 in	Drapes/b	linds	None
	_ 6	W	4	Vinyl	Double (Clear)	Yes	0 55	0 5		20 0 ft ²	0 ft 0 in	0 ft 0 in	Drapes/b	olinds	None
			integramente per Mai				GAF	RAGE				· · · · · · · · · · · · · · · · · · ·			
$\sqrt{}$	#		Floo	r Area	Ceiling	g Area	Exposed \	Vall Per	imeter	Avg W	/all Height	Expos	ed Wall Ins	sulation	
	_ 1	3	99 88	09778 ft	399 880	9778 ft²	2	23 ft		{	8 ft		1		
							INFILT	RATIO	ON						
	Scope		N	Method		SLA	CFM 50	ELA		EqLA	ACH	AC	H 50		
V	/holehous	е	Best	Guess	0	005	1967 3	108	2	203 11	385	8 7	7434		
	-						HEATING	S SYS	TEM						·
$\sqrt{}$	#	Sys	stem 1	Гуре	St	ıbtype			Efficier	ісу	Capacity			Block	Ducts
	1	Ele	ectric H	leat Pur	np No	one	The second section of the section of		HSPF	77 3	35 kBtu/hr			1	sys#1
							COOLING	G SYS	TEM						
$\sqrt{}$	#	Sys	stem 7	Гуре	Sı	ıbtype			Efficiend	су Сара	city /	Air Flow	SHR	Block	Ducts
	1	Ce	ntral U	Jnit	No	one			SEER 1	15 35 kBt	u/hr 10	050 cfm	0 75	1	sys#1

<u></u>					HOT W	ATER SY	STEM							
\vee	#	System Type	SubType	Location	n EF	Cá	ap	Use	SetPnt		Co	nservatio	n	
	1	Electric	None	Garage	0 92	50 (gal	60 gal	120 deg			None		
				sc	LAR HO	T WATER	RSYSTE	M						
\checkmark	FSEC Cert #	Company Na	ame		System	Model #	Co	ilector Mode		llector Area	Stor Volu	•	FEF	
	None	None								ft²				
						DUCTS								
\checkmark	#	Supp Location R-	oly Value Area	F Locatio	teturn n Area	Leaka	ge Type	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HV. Heat	AC # Cool
	1	Attic	6 300 ft ²	Attic	75 ft²	Default	Leakage	Garage	(Default)	(Default))		1	1
					TEM	PERATU	RES							
Program	nable The	rmostat Y			Ceiling Fan	s.								
Cooling Heating Venting	[] Ja [X] Ja [] Ja	n [X] 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] Ser [] Ser [] Ser		Oct Oct Oct	[] Nov [X] Nov [X] Nov	ĺΧΊ	Dec Dec Dec
Thermosta		ıle HERS 200	06 Reference			_		ours _	_	_				40
Schedule			1	2 3		5	6	7	8	9	10	11		12
Cooling (V	VD)	AM PM	78 80	78 78 80 78	3 78 3 78	78 78	78 78	78 78	78 78	80 78	80 78	80 78		80 78
Cooling (V	VEH)	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 (V	ND)	AM PM	66 68	66 66 68 68		66 68	68 68	68 68	68 68	68 68	68 68	68 66	I	68 66
Heating (\	NEH)	AM PM	66 68	66 66 68 68	66 3 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66		68 66

Florida Code Compliance Checklist
Florida Department of Business and Professional Regulations Residential Whole Building Performance Method

ADDRESS	PERMIT #
Lake City, FL, 32025-	

MANDATORY REQUIREMENTS SUMMARY - See individual code sections for full details.

COMPONENT	SECTION	SUMMARY OF REQUIREMENT(S)	CHECK
Air leakage	402.4	To be caulked, gasketed, weatherstripped or otherwise sealed. Recessed lighting IC-rated as meeting ASTM E 283. Windows and doors = 0.30 cfm/sq.ft. Testing or visual inspection required. Fireplaces gasketed doors & outdoor combustion air. Must complete envelope leakage report or visually verify Table 402.4.2	/
Thermostat & controls	403 1	At least one thermostat shall be provided for each separate heating and cooling system. Where forced-air furnace is primary system, programmable thermostat is required. Heat pumps with supplemental electric heat must prevent supplemental heat when compressor can meet the load.	/
Ducts	403 2.2	All ducts, air handlers, filter boxes and building cavities which form the primary air containment passageways for air distribution systems shall be considered ducts or plenum chambers, shall be constructed and sealed in accordance with Section 503.2.7 2 of this code.	
	403 3 3	Building framing cavities shall not be used as supply ducts	
Water heaters	403 4	Heat trap required for vertical pipe risers. Comply with efficiencies in Table 403.4.3.2. Provide switch or clearly marked circuit breaker (electric) or shutoff (gas). Circulating system pipes insulated to = R-2 + accessible manual OFF switch	
Mechanical ventilation	403 5	Homes designed to operate at positive pressure or with mechanical ventilation systems shall not exceed the minimum ASHRAE 62 level. No make-up air from attics, crawlspaces, garages or outdoors adjacent to pools or spas.	/
Swimming Pools & Spas	403 9	Pool pumps and pool pump motors with a total horsepower (HP) of = 1 HP shall have the capability of operating at two or more speeds. Spas and heated pools must have vapor-retardant covers or a liquid cover or other means proven to reduce heat loss except if 70% of heat from site-recovered energy. Off/timer switch required Gas heaters minimum thermal efficiency=78% (82% after 4/16/13). Heat pump pool heaters minimum COP= 4 0.	/
Cooling/heating equipment	403.6	Sizing calculation performed & attached. Minimum efficiencies per Tables 503.2 3 Equipment efficiency verification required. Special occasion cooling or heating capacity requires separate system or variable capacity system Electric heat >10kW must be divided into two or more stages	
Ceilings/knee walls	405.2.1	R-19 space permitting.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 80

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

, Lake City, FL, 32025-

1 2 3 4 5	New construction or existing Single family or multiple family Number of units, if multiple fam Number of Bedrooms Is this a worst case?	New (From Plans) Single-family ily 1 3 No	 9 Wall Types a Frame - Wood, Exterior b N/A c N/A d N/A 10 Ceiling Types a Under Attic (Vented) 	Insulation Area R=13 0 1497 30 ft ² R= ft ² R= ft ² R= ft ² Insulation Area R=30 0 1500 00 ft ²
6	Conditioned floor area (ft²)	1808	b N/A	R= ft ²
7	SHGC SHGC	=0 55 164 00 ft ² c=0 50	c N/A 11 Ducts a Sup Attic, Ret Attic, AH Garage	R= ft² R ft² 6 300
	b U-Factor N/A SHGC c U-Factor N/A SHGC	ft² ft²	12 Cooling systems a Central Unit	kBtu/hr Efficiency 35 0 SEER 15 00
	d U-Factor N/A SHGC Area Weighted Average Overha Area Weighted Average SHGC	• .	13 Heating systems a Electric Heat Pump	kBtu/hr Efficiency 35 0 HSPF 7 70
8	Floor Types a Slab-On-Grade Edge Insulati b N/A c N/A	Insulation Area on R=0 0 1500 00 ft² R= ft² R= ft²	14 Hot water systemsa Electricb Conservation featuresNone	Cap 50 gallons EF 0 92
			15 Credits	CF, 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 Date. 1/12/13

166 5W Newlywed City/FL Zip. Lok Chy, fe
32029

Builder Signature

Address of New Home.

*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 EnergyGauge Rating. Contact the EnergyGauge Hotline at (321) 638-1492 or see the EnergyGauge web site at energygauge.com for information and a list of certified Raters For information about the Florida Building Code, Energy Conservation, contact the Florida Building Commission's support staff.

^{**}Label required by Section 303.1 3 of the Florida Building Code, Energy Conservation, if not DEFAULT.