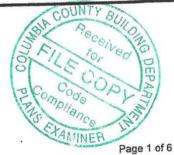
FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Lot 67 Preserves at Laurel Lake Street: City, State, Zip: Lake City, FL, 32055- Owner: Bryan Zecher Constr. Design Location: FL, Gainesville	Builder Name: Bryan Zecher Construction Permit Office: Columbia Co Permit Number: Jurisdiction: 224000	n
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) Conditioned floor area below grade (ft²) 7. Windows(230.9 sqft.) Description a. U-Factor: Dbl, U=0.55 SHGC: SHGC=0.50 b. U-Factor: N/A SHGC: c. U-Factor: N/A SHGC: d. U-Factor: N/A SHGC: Area Weighted Average Overhang Depth: 4.227 ft. Area Weighted Average SHGC: 0.500 8. Floor Types (2020.0 sqft.) a. Slab-On-Grade Edge Insulation b. N/A C. N/A R= ft²	9. Wall Types (1725.0 sqft.) a. Frame - Wood, Exterior b. Frame - Wood, Adjacent c. N/A d. N/A 10. Ceiling Types (2020.0 sqft.) a. Under Attic (Vented) b. N/A c. N/A 11. Ducts a. Sup: Attic, Ret: Attic, AH: Main 12. Cooling systems a. Central Unit 13. Heating systems a. Electric Heat Pump 14. Hot water systems a. Electric b. Conservation features None 15. Credits	Insulation Area R=13.0 1542.00 ft² R=13.0 183.00 ft² R= ft² R= ft² Insulation Area R=30.0 2020.00 ft² R= ft² R= ft² R= ft² A ft² C ft² R= ft² C ft² R= ft² C
Glass/Floor Area: 0.114 Total Proposed Modified Total Standard Reference		PASS
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: DATE:	THE STATE OF THE S

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



				PROJE	CT						
Title: Building Type: Owner: # of Units: Builder Name: Permit Office: Jurisdiction: Family Type: New/Existing: Comment:	Lot 67 Preserve User Bryan Zecher C 1 Bryan Zecher C Columbia Co 121000 Single-family New (From Plan	constr.	Bedrooms Conditione Total Stori Worst Cas Rotate An Cross Ver Whole Ho	ed Area: les: se: gle: stilation:	3 2020 1 No 0		Address Lot # Block/Sul PlatBook Street: County: City, Stat	bDivision:	Columbi Lake Cit	ırel Lk	
				CLIMA	TE				w		
V Desig	n Location	TMY Site	IE0 Zo		esign Temp 5 % 2.5 %	Int Desig Winter	n Temp Summer	Heating Degree Da		sign D	aily Temp Range
	Sainesville	FL_GAINESVILLE	_REGI	2 3	2 92	70	75	1305.5		51	Medium
3.	HIMITOTO OF STREET			BLOCK	KS						
Number	Name	Area	Volume								
1	Block1	2020	18180								
				SPACE	S				Name of Street		
Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil II	D Finish	ed (Cooled	Heate
1	Main	2020	18180	Yes	3	3	1	Yes	,	Yes	Yes
				FLOOR	रड						
√ #	Floor Type	Space	Peri	meter	R-Value	Area			Tile	Wood	Carpet
1 Slab	-On-Grade Edge	Insulatio Ma	ain 192	2 ft	0	2020 ft²			0.3	0.3	0.4
	7			ROO	F			E			
√ # ·	Туре	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	SA Tested	Emitt	Emitt Tested	Decl	
1	Hip	Composition shing	les 2259 ft	0 ft²	Medium	0.96	No	0.9	No	0	26.6
				ATTIC					,,,		
√ · #	Туре	Ventila	ation	Vent Ratio	o (1 in)	Area	RBS	IRCC			
1 =	Full attic	Vent	ed	300		2020 ft²	N	N	*******		
			-	CEILIN	IG						
√ #	Ceiling Type		Space	R-Value	. A	rea	Framing	Frac	Tr	uss Typ	oe .
1	Under Attic (Ve	nted)	Main	30	20	20 ft²	0.1	1		Wood	

							WAI	LLS								
/#	Orni	,	Adjace To	nt Wall	Type	Space	Cavity R-Value	Wid	th In	Heig Et	iht In	Area_	Sheathin R-Value	g Framing Fraction	Solar Absor	Below Grade ⁹
_ 1	NE		arage		ne - Wood	Main	13	20	4	9	0	183 ft²		0.23	0.75	0
_ 2	NE	E	xterior	Fran	ne - Wood	Main	13	19	0	9	0	171 ft²		0.23	0.75	0
3	NE	E	xterior	Fran	ne - Wood	Main	13	14	8	9	0	132 ft ²		0.23	0.75	0
_ 4	SE	E	xterior	Fran	ne - Wood	Main	13	34	4	9	0	309 ft ²		0.23	0.75	0
_ 5	SW	/ E	xterior	Fran	ne - Wood	Main	13	26		9		234 ft²		0.23	0.75	0
6	SE	E	xterior	Fran	ne - Wood	Main	13	9	4	9	0	84 ft²		0.23	0.75	0
_ 7	SV	/ E	xterior	Fran	ne - Wood	Main	13	28		9		252 ft²		0.23	0.75	0
_ 8	NN	/ E	xterior	Fran	ne - Wood	Main	13	40		9		360 ft²		0.23	0.75	. 0
					terrane and	THE P. LEWIS CO., LANSING STREET, LANSING STRE	DOG	ors								
$\sqrt{}$	#		Ornt		Door Type	Space			Storms	ı	J-Valu		Width Ft In	Heigh Ft	nt In	Area
	1		NE		Insulated	Main			Metal		0.28		3 0	6	8	20 ft²
	2		NE		Insulated	Main			Wood		0.25		3 0	6	8	24 ft²
		-pinious	- natelian				WIND	ows				side				
		-	particular and the	Parties no	Ori	entation sho				d orier	ntation				Name and Address	
/	#	Ornt	Wall	Frame	Panes	NFRC	U-Factor	SHGC		,	Area		erhang Separation	Int Sh	ade	Screenin
-	1	NE	2	Vinyl	Low-E Double	Yes	0.55	0.5				7 ft 0 in		Drapes/	blinds	None
- 1	2	NE	3	Vinyl	Low-E Double	Yes	0.55	0.5		8.8	88889	2 ft 0 in	0 ft 4 in	Drapes	blinds	None
	3	NE	3	Vinyl	Low-E Double	Yes	0.55	0.5		2.7	77777	2 ft 0 in	0 ft 4 in	Drapes	blinds	None
	4	SE	4	Vinyl	Low-E Double	Yes	0.55	0.5		10.	88888	2 ft 0 in	0 ft 4 in	Drapes	blinds	None
	5	SE	4	Vinyl	Low-E Double	Yes	0.55	0.5		4.4	44444	2 ft 0 in	0 ft 4 in	Drapes	blinds	None
	6	sw	5	Vinyl	Low-E Double	Yes	0.55	0.5		13.	22222	2 ft 0 in	0 ft 4 in	Drapes	blinds/	None
	7	sw	5	Vinyl	Low-E Double	Yes	0.55	0.5		45.	38888	2 ft 0 in	0 ft 4 in	Drapes	/blinds	None
	8	SE	6	Vinyl	Low-E Double	Yes	0.55	0.5		45.	38888	10 ft 0 i	n Oft4in	Drapes	/blinds	None
	9	sw	7	Vinyl	Low-E Double	Yes	0.55	0.5		30.	22222	2 ft 0 in	0 ft 4 in	Drapes	blinds/	None
	10	sw	7	Vinyl	Low-E Double	Yes	0.55	0.5		12.	44444	2 ft 0 ir	0 ft 4 in	Drapes	/blinds	None
	11	NW	8	Vinyl	Low-E Double	Yes	0.55	0.5		3.6	66666	2 ft 0 in	0 ft 4 in	Drapes	/blinds	None
	12	NW	8	Vinyl	Low-E Double	Yes	0.55	0.5		12.	4444	2 ft 0 ir	0 ft 4 in	Drapes	/blinds	None
	13	NW	8	Vinyl	Low-E Double	Yes	0.55	0.5		10.	88888	2 ft 0 ir	0 ft 4 in	Drapes	/blinds	None
	- Name of the last						GAR	RAGE				0.00				
						Exposed Wall Perimeter						_				
7	#		Floo	r Area	Ceiling	Area	Exposed V	Vall Per	rimeter	Α	vg. W	all Heigh	t Expo	sed Wall I	nsulation	

					INFI	LTRATIO	N						
#	Scope	Method		SLA	CFM 50	ELA	Eq	_i LA	ACH	ACH 5	0		
1	Wholehouse	Best Guess		0.000500	2649.2	145.44	273	3.52 0	.3850	8.7433	3		
					HEATI	NG SYS	ΓEM						
V	/ #	System Type		Subtype		14	Efficiency	Ca	pacity		Block	Di	ucts
	1	Electric Heat Pu	mp	None			HSPF: 7.7	7 35 k	Btu/hr		1	sy	s#1
	-				COOL	ING SYS	TEM		<u>"</u> "				
· V	/ #	System Type		Subtype		E	fficiency	Capacity	Air F	low SHF	R Block	Di	ucts
	1	Central Unit		Split		5	SEER: 14	35 kBtu/h	r 1050	cfm 0.75	5 1	sy	s#1
			A STATE OF THE PARTY OF THE PAR		HOT W	ATER SY	STEM				Minima Salina	110	
V	/ #	System Type	SubType	Location	EF	Ca	p	Use	SetPnt		Conservatio	n	
	> 1	Electric	None	Garage	0.92	40 g	al	60 gal	120 deg		None		
11-4	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			so	LAR HOT	WATER	SYSTE	:M	ALC: NO.				
٧	/ FSE		ame		System I	Model#	Co	llector Mode			Storage Volume	FEF	
	Non	e None								ft²			
	AMARIE - W					DUCTS							
V	/ #	Sup Location R	ply — -Value Area	Re Location	eturn — Area	Leakag	е Туре	Air Handle	r CFM 25	Percent Leakage	QN RLF	HV. Heat	AC #
	1	Attic	6 404 ft²	Attic	101 ft²	Default	Leakage	Main	(Default)	(Default) %		1	1
	8.				TEMP	PERATUR	RES						
Pr	rogramable T	hermostat: Y		C	Ceiling Fans	:							
Co	poling [X]	Jan X Feb Jan X Feb Jan 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] Sep Sep Sep	[] Oct Oct [x] Oct	X Nov X Nov		Dec

Thermostat Schedule:	HERS 200	6 Referen	ice	Hours									
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

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

ADDRESS:	PERMIT#:
Lake City, FL, 32055-	

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. 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.	V.
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.	NA
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.	1