FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

1 W) F) 1			
Project Name: Bristol Model Street: City, State, Zip: Lake City, FL, 32024 Owner: Spec House Design Location: FL, Gainesville		Builder Name: Aaron Simque Homes Permit Office: Columbia County Permit Number: Jurisdiction: County: Columbia (Florida Climat	e Zone 2)
a. Slab-On-Grade Edge Insulation F b. N/A F	New (From Plans) Detached 1 4 No 3119 0 Area 393.33 ft² ft² ft² 6.087 ft. 0.220 Area ft² 1 4 1 4 Area 1 4 Area 1 4 Area 1 6.087 ft. 1 1 1 1 1 1 1 1 1 1 1 1 1	10. Wall Type \$2103.0 sqft.) a. Frame - Wood, Exterior b. Frame - Wood, Adjacent c. N/A d. N/A 11. Ceiling Types (3119.0 sqft.) a. Under Attic (Vented) b. N/A c. N/A 12. Ducts a. Sup: Attic, Ret: Attic, AH: Garage 13. Cooling systems a. Central Unit 14. Heating systems a. Electric Heat Pump FILE C 15. Hot water systems a. Electric b. Conservation features None 16. Credits	kBtuAr Efficiency HSPF:8.50
Glass/Floor Area: 0.126	Total Proposed Modified Total Baseline I	Loads: 59.77	PASS
I hereby certify that the plans and specification are in compliance with the Code. PREPARED BY: DATE: I hereby certify that this building, as designith the Florida Energy Code.	e 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.	COD WE THUS

- 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:

- Compliance with a proposed duct leakage Qn requires a Duct Leakage Test Report confirming duct leakage to outdoors, tested in accordance with ANSI/RESNET/ICC 380, is not greater than 0.030 Qn for whole house.

OWNER/AGENT:__

DATE: _

INPUT SUMMARY CHECKLIST REPORT

				PROJE	ECT						3	
Title: Building Type: Owner Name: # of Units: Builder Name: Permit Office: Jurisdiction: Family Type: New/Existing: Comment:	Bristol Model User Spec House 1 Aaron Simque Hor Columbia County Detached New (From Plans)		Bedrooms: Conditione Total Storie Worst Case Rotate Ang Cross Vent Whole Hou	d Area: es: e: lle: ilation:	4 3119 1 No 0		Lot # Bloc Plate Stree Cour	k/Subdivi Book: et:	sion: Pr	olumbia ake City ,		
				CLIMA	TE							
	gn Location Gainesville FI	TMY Site	DEGI	97	esign Temp .5 % 2.5 %			ner Deg	leating ree Days		TAKES	Temp inge edium
	Jainesville Fi	L_GAINESVILLE		BLOC	4-4-14	70	75		305.5	51	IVIE	alum
Number	Name	Area	Volume								-	
1	Block1	3119	24952									
			MILE STATE	SPAC	ES							
Number	Name	Area	Volume h	Citchen	Occupants	Bedro	oms I	nfil ID	Finished	l Coo	ed	Heate
	Main	3119	24952	Yes	6	4			Yes	Yes		Yes
				FLOO	RS						-	
V #	Floor Type	Space	Perir	neter	R-Value	Area				Tile Wo	od Ca	rpet
	o-On-Grade Edge Ins		ain 235		0	3119 ft	l ·			0.33 0.3		.34
				ROO	F							67 -0
/ #	Туре	Materials	Roof Area	Gabl Area		Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitcl (deg
1	Hip Co	omposition shing	les 3749 ft ²	0 ft²	Medium	N	0.85	No	0.9	No	0	33.7
			W// 14 II 45 45	ATTI	С							
√ #	Туре	Ventila	ation	Vent Rati	o (1 in)	Area	RBS	IR	cc			
1	Full attic	Vent		300		3119 ft²	N		N			
				CEILII	NG				ARIS CO.			
V #	Ceiling Type		Space	R-Valu	e Ins T	уре	Area	Fran	ming Frac	Truss	Туре	I CALCALLA
1	Under Attic (Vente	d)	Main	30	Blow	n	3119 ft ²		0.11	Wo	od	

INPUT SUMMARY CHECKLIST REPORT

-	_					147	LLS			-1-115			tanistic .	
/#	Ornt	Adjace To	ent Wall	Туре	Space	Cavity R-Value	Wic Et	lth In	Height Ft In	Area	Sheathing R-Value	Framing Fraction	Solar Absor	
_ 1	N	Exterior		me - Wood	Main	13	13	8	9	123.0 ft ²	0.625	0.23	0.75	(
_ 2	W	Exterior	Fra	me - Wood	Main	13	8	4	9	75.0 ft ²	0.625	0.23	0.75	
_ 3	N	Exterior	Fra	me - Wood	Main	13	29	4	9	264.0 ft ²	0.625	0.23	0.75	(
_ 4	W	Exterior	Fra	me - Wood	Main	13	16	4	9	147.0 ft ²	0.625	0.23	0.75	(
_ 5	N	Exterior	Fra	me - Wood	Main	13	14	8	9	132.0 ft ²	0.625	0.23	0.75	(
_ 6	E	Exterior	Fra	me - Wood	Main	13	39	4	9	354.0 ft ²	0.625	0.23	0.75	
_ 7	S	Exterior	Fra	me - Wood	Main	13	8	4	9	75.0 ft ²	0.625	0.23	0.75	(
_ 8	Ε	Exterior	Fra	me - Wood	Main	13	4	8	9	42.0 ft ²	0.625	0.23	0.75	(
_ 9	S	Exterior	Fra	me - Wood	Main	13	13	8	9	123.0 ft ²	0.625	0.23	0.75	(
10	W	Exterior	Fra	me - Wood	Main	13	1		9	9.0 ft ²	0.625	0.23	0.75	(
_11	S	Exterior	Fra	me - Wood	Main	13	13	8	9	123.0 ft ²	0.625	0.23	0.75	(
_12	E	Exterior	Fran	me - Wood	Main	13	33	8	9	303.0 ft ²	0.625	0.23	0.75	
_13	S	Garage	Frai	me - Wood	Main	13	37		9	333.0 ft²		0.23	0.75	(
-			1944			DO	ORS	1 51	13				-r ra	119771
1	#	Ornt	du es	Door Type	Space	1 September 1		Storms	U-Val	ue Fi	Width In	Height Ft	t In	Area
	1	S		Insulated	Main		7	None	.4	3	515	6	8	20 ft ²
	2	s		Insulated	Main			None	.4	3		6	8	20 ft ²
-			XL- VIII				oows		Variation and the		things of the same			
	-			Ori	entation show	wn is the er	ntered, I	ropose	d orientation		0.094	A The Man	-	
	#	Wall Ornt ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area		rhang Separation	Int Sha	ade	Screenii
	1	N 1	Vinyl	Low-E Double	Yes	0.33	0.22	N	18.0 ft²	17 ft 10 ir	Bright Model	None		None
	2	N 3	Vinyl	Low-E Double	Yes	0.33	0.22	N	144.0 ft²	9 ft 6 in	1 ft 4 in	None	9	None
	3	N 5	Vinyl	Low-E Double	Yes	0.33	0.22	N	54.0 ft ²	1 ft 6 in	1 ft 4 in	None		None
	4	E 6	Vinyl	Low-E Double	Yes	0.33	0.22	N	36.0 ft ²	1 ft 6 in	1 ft 4 in	None		None
	5	E 6	Vinyl	Low-E Double	Yes	0.33	0.22	N	16.0 ft ²	1 ft 6 in	1 ft 4 in	None		None
		E 6	Vinyl	Low-E Double	Yes	0.33	0.22	N	4.0 ft ²	1 ft 6 in	1 ft 4 in	None		None
-	h	_	2.7	Low-E Double	Yes	0.33	0.22	N	13.3 ft²	12 ft 2 in		None		None
	6 7	S 7	VIDVI				0.22	N	36.0 ft²	7 ft 6 in		None		None
_	7	===	Vinyl Vinyl	Low-E Double	Yes	0.33	0.22						2000	
	7 8	S 9	Vinyl	Low-E Double	Yes	0.33		N	36.0 ft ²	1 ft 6 in	1 ft 4 in	None	е	None
	7			Low-E Double Low-E Double Low-E Double	Yes Yes	0.33 0.33 0.33	0.22	N N	36.0 ft ²	1 ft 6 in 1 ft 6 in		None		None None
	7 8 9	S 9 S 11	Vinyl Vinyl	Low-E Double	Yes	0.33 0.33	0.22							
	7 8 9	S 9 S 11 E 12	Vinyl Vinyl	Low-E Double	Yes Yes	0.33 0.33	0.22 0.22 RAGE	N	36.0 ft²		1 ft 4 in		Э	

					INFIL	TRATIO	NC							
#	Scope	Method		SLA	CFM 50	ELA	E	qLA	ACH	ACH !	50			
1 V	Vholehouse	Proposed A	CH(50)	.000254	2079.3	114.08	21	4.17	.098	5				
					HEATI	NG SYS	TEM							
V	#	System Type		Subtype	Speed	d	Efficiency	/ Ca	pacity		В	lock	Du	icts
	_ 1	Electric Heat Pu	ımp/	None	Singl		HSPF:8.5	60 1	:Btu/hr			1	sys	s#1
11-11-21					COOLI	NG SYS	TEM							
V	#	System Type		Subtype	Subty	ре	Efficiency	Capacity	Air Fl	ow SH	R B	lock	Du	cts
	_ 1	Central Unit/		None	Singl		SEER: 15	60 kBtu/h	r 1800	cfm 0.8	3 1	1	sys	s#1
					HOT WA	TER SY	STEM							
\vee	#	System Type	SubType	Location	EF	Ca	ар	Use	SetPnt		Consen	vatior	i	
	_ 1	Electric	None	Garage	0.92	40	gal	70 gal	120 deg		Nor	ne		
				so	LAR HOT	WATER	SYSTE	EM						
\checkmark	FSEC Cert #		ame		System M	lodel #	Co	ollector Mode	11.00		Storage Volume		FEF	
	None	None								ft²				
						UCTS								
V	#	Sup Location R	ply -Value Area	Re Location	eturn n Area	Leaka	де Туре	Air Handlei		CFM25 OUT	QN F	RLF		AC#
	_ 1	Attic	8 623.8 ft	Attic	155.95	Prop. L	eak Free	Garage	cfm	93.6 cfm	0.03	0.50	1	1
					TEMP	ERATU	RES							
Prog	gramable Th	ermostat: Y		(Ceiling Fans:									
Cool Heat Vent	ing [] Ji ing [X] Ji ing [] Ji	an [] Feb an [X] Feb an [] Feb	[] Mar [X] Mar [X] Mar	Apr Apr X Apr	May	[X] Jun [] Jun [] Jun	[X] Jul [] Jul [] Jul	[X] Aug Aug Aug	[X] Sep Sep Sep	X Oc		Nov Nov Nov	×	Dec Dec Dec

FORM R405-2020		IN	PUTS	UMMA	RY CH	IECKLI	ST R	EPORT					
Thermostat Schedule:	HERS 200	6 Referer	nce				Н	lours					
Schedule Type		1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM PM	78 80	78 80	78 78	78 78	78 78	78 78	78 78	78 78	80 78	80 78	80 78	80 78
Cooling (WEH)	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 (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
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
					1	MASS							
Mass Type			Ar	ea	-	Thickness		Furniture Fraction		5	Space		-
Default(8 lbs/sc	q.ft.		0 1	ft²		0 ft		0.3			Main		

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ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

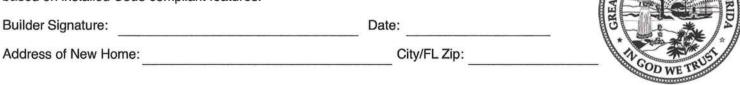
ESTIMATED ENERGY PERFORMANCE INDEX* = 90

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

, Lake City, FL, 32024

1.	. New construction or existing		New (Fr	om Plans)	10. Wall Type and Insulation	Insulation	Are	a		
2.	Single family or multiple family		Detache	ed	a. Frame - Wood, Exterior	R=13.0	1770.00	100 B 100 L		
3.	Number of units, if multi	ple family	1		b. Frame - Wood, Adjacentc. N/A	R=13.0 R=	333.00	ft²		
4.	Number of Bedrooms	o propriores established •	4		d. N/A	R=		ft²		
	Is this a worst case?		Is this a worst case?		No		 Ceiling Type and insulation level a. Under Attic (Vented) 	Insulation R=30.0	Area 3119.00 ft	
6.	Conditioned floor area (f	t²)	3119		b. N/A	R=		ft²		
7.	Windows** a. U-Factor: SHGC:	Description Dbl, U=0.33 SHGC=0.22		Area 393.33 ft²	c. N/A 12. Ducts, location & insulation level a. Sup: Attic, Ret: Attic, AH: Garage	R=	R 8 6	ft² ft² 23.8		
	b. U-Factor: SHGC:	N/A		ft²	13. Cooling systems	kBtu/hr	Efficier	201		
	c. U-Factor: SHGC:	N/A		ft²	a. Central Unit		SEER:15	1100		
	d. U-Factor: SHGC:	N/A		ft²	14. Heating systems a. Electric Heat Pump	kBtu/hr 60.0	Efficier	S. C. M. S		
	Area Weighted Average Area Weighted Average			6.087 ft. 0.220						
	B. Skylights a. U-Factor(AVG): SHGC(AVG):	Description N/A N/A		Area ft²	a. Electric b. Conservation features	Ived on	p: 40 gal	lons 0.92		
,	9. Floor Types a. Slab-On-Grade Edg b. N/A c. N/A	e Insulation	Insulation R=0.0 R= R=	Area 3119.00 ft ² ft ²	b. Consolvation loated to	OPY	CF, P	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.



*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 Energy Rating. For information about the Florida Building Code, Energy Conservation, contact the Florida Building Commission's support staff.

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