FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

	the state of the s	1 1016331011	ai Regulation - Residential Per						
Project Name: Street:	Mary Johnson Res		Builder Name: ChrisMill Homes O	f Florida					
	Lake City, FL, 32055		Permit Office: Columbia County Permit Number:						
	Mary Johnson		Jurisdiction:						
	FL, Gainesville		County: Columbia(Florida (Climate Zone 2)					
New construction	or existing New (F	rom Plans)	10. Wall Types(1120.0 sqft.)	Insulation Area					
Single family or m		Detached	a. Frame - Wood, Exterior	R=13.0 1120.00 ft ²					
Number of units, i		1	b. N/A						
Number of Bedroo		2	c. N/A d. N/A						
5. Is this a worst cas		No	11. Ceiling Types(1258.4 sqft.)	Insulation Area					
	area above grade (ft²)	1144	a. Flat ceiling under att (Vented)	R=38.0 1258.40 ft ²					
	area below grade (ft²)	0	b. N/A						
7. Windows(142.5 s		Area	c. N/A 12. Roof(Comp. Shingles, Vented)	Deck R=0.0 1279 ft ²					
a. U-Factor:	Sgl, U=0.36	142.50 ft ²	13. Ducts, location & insulation level						
SHGC:	SHGC=0.25	r, 2	a. Sup: Attic, Ret: Attic, AH: 1st Flo	or 6 286					
b. U-Factor: SHGC:	N/A	ft²	b.						
c. U-Factor:	N/A	ft²	c. 14. Cooling Systems	kBtu/hr Efficiency					
SHGC:			a. Central Unit	15.4 SEER2:16.00					
	rage Overhang Depth:	1.337 ft	According to the Control of the Cont						
Area Weighted Aver	800 COS - 000 COS	0.250	15 Heating Systems	IsDau/ha Efficiences					
8. Skylights U-Factor:(AVG)	Description N/A	Area N/A ft²	15. Heating Systems a. Electric Heat Pump	kBtu/hr Efficiency 18.8 HSPF2:8.80					
SHGC(AVG):	N/A	IN/A IL		1010 11011 210100					
9. Floor Types	Insulation	Area	40 11 1111 1 0 1						
a. Slab-On-Grade E	Edge Insulation R= 0.0	1144.00 ft ²	16. Hot Water Systems a. Electric	Cap: 40 gallons					
b. N/A	R=	ft ²	a. Liecuic	EF: 0.920					
c. N/A	R=	ft ²	b. Conservation features	Security of Security Security					
			17 Cradita	None					
			17. Credits	CV, Pstat					
Glass/Floor Area: 0.12	25 Total Pro	oposed Modifie		PASS					
Total Baseline Loads: 33.07 NOTE: Proposed residence must have annual total normalized Modified Loads that are less than or equal to 95 percent of the annual total loads of the standard reference design in order to comply.									
	e plans and specifications co		Review of the plans and						
this calculation are in Code.	compliance with the Florida E	nergy	specifications covered by this	OF THE STATE					
Code.	111115	A.	calculation indicates compliance with the Florida Energy Code.						
PREPARED BY:	WW LT	14)	Before construction is completed	10					
DATE:	8 / 1 / 2024	\mathcal{O}	this building will be inspected for						
DATE:	0.100649 90 00 0000000000 90 90		compliance with Section 553.908 Florida Statutes.						
I hereby certify that th	is building, as designed, is in	compliance	Subtra Building	11 15					
with the Florida Energ	y Code.	·	Phone Routewed B	COD WE TRUS					
OWNER/AGENT:			BUILDING OFFICIAL: (3 Compationice)						
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

					PRO	JEC	T							
Ow Bui Bui Per Jur Far Nev Yea	ilding Type: /ner: ilder Home ID: ilder Name: rmit Office: isdiction: mily Type: w/Existing:	Mary Johnson R User Mary Johnson ChrisMill Homes Columbia County Detached New (From Plans 2024	Of Florida y s)	Total Sto Worst C Rotate A Cross Ve	ned Area ories: ase: angle: entilation: ouse Fan	1 No 0 Ye : No Su	es	Lot Bloc Plat Stre Cou	ck/SubDivis Book:	sion: Co : Lal	eet Add lumbia ke City, 32055	Iress		
					CLIN	/IAT								
	esign cation		Tmy Site		Des 97.5%	ign Tei 2	mp .5%		gn Temp Summer	Heati Degree		Desi Moistu		aily temp ange
F	L, Gainesville		FL_GAINESVILLE_I	REGION	A 32	9	92	70	75	1305	.5	51	Med	lium
					BLO	CKS	3							
√ Nu	ımber	Name	Area	Vo	lume									
1		Block1	1144	91	52 cu ft									
					SPA	CES	5							
√ Nu	mber	Name	Area	Volume	Kitchen	Oc	cupants	Bed	rooms	Finish	ned	Cod	oled 1	Heated
1		1st Floor	1144	9152	Yes		4	9	2	Yes		Y	'es	Yes
					FLO	ORS		(Total E	xpose	d Are	a = 1	144 sq	ı.ft.)
/ #	Floor Type		Space	Expo Perin		Area		alue . Joist	U-Factor	Slab I Vert/Ho	dimenentary.	Tile	Wood	Carpet
1	Slab-On-Gra	de Edge Ins	1st Floor	14	0 114	4 sqft	0		0.304	2 (ft)/0 (ft)	0.00	0.00	1.00
					RO	OF								
/#	Туре		Materials		oof rea	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	
1	Gable or she	d	Composition shingles	12	79 ft² ′	160 ft²	Medium	Υ	0.96	No	0.9	No	0	26.57
					AT	ГІС								
/#	Туре		Ventilation		Vent F	Ratio (1	in)	Area	RBS		IRCC			
1	Partial cathed	dral ceiling	Vented			300	11	144 ft²	Υ		N			
					CEIL	ING		(Γotal Ex	cposed	d Are	a = 12	258 sq	.ft.)
/#	Ceiling Typ	е	Sį	ace	R-Va	alue	Ins. Type	Are	a U-F	actor F	raming	Frac.	Trus	s Type
1	Flat ceiling un	nder attic(Vented)) 1st	Floor	38.	0	Blown	1258.	4ft² 0 (024	0.11		W	ood

INPUT SUMMARY CHECKLIST REPORT

										w	ALLS				(T	otal	Exp	osed	Are	ea =	112	0 sa.	ft.)
√#	0	Ornt	0.000	acent To	Wall Type		5	Брасе	•		avity R-Value	Widt Ft			Heigh	nt	Area	Associate	Sh	neath	Frm.	Solar	Below
	1 2 3 4	S E N E		Exterior Exterior Exterior Exterior	Frame - Woo Frame - Woo Frame - Woo Frame - Woo	od od		1st 1st	Floor Floor Floor		13.0 13.0 13.0 13.0	44.0 26.0 44.0 26.0	0	8 8	.0 .0 .0	0 0 0	352.0 208.0 352.0 208.0	80.0 80.0	34 34		0.23 0.23 0.23 0.23	0.75 0.75 0.75 0.75	0 % 0 % 0 % 0 %
										DO	OORS	3				(To	tal E	xpos	ed /	Area	= 3	8 sq.	ft.)
/ #	0	rnt		Adjacent	To Door Type	9	S	pace)		Stor	ms		U	-Valu	ıe		/idth ⁻ t In		Hei Ft		Ar	ea
=:		S N		Exterior Exterior				st Flo st Flo				one one			0.46 0.46		3.00 2.00			6.00 6.00	8 8	20. 17.	Oft² 8ft²
									V	VIN	DOW	/S			(Tota	al Exp	ose	d A	rea :	= 14:	3 sq.	ft.)
√#	0	rnt	Wall ID	Frame	Panes	NFF	RC U-Fa	ctor	SHGC	Imp	Storm	Tota Area (ft²)		Same Units	Wid (ft		Height (ft)	Ove Depth (ft)	rhang Sep (ft)] ·. Ir	nterior :	Shade	Screen
2 3 4	SEZZE		1 2 3 3 4	Vinyl Vinyl Vinyl Vinyl Vinyl	Low-E Single Low-E Single Low-E Single Low-E Single Low-E Single	ļ	Y 0.3 Y 0.3 Y 0.3 Y 0.3 Y 0.3	16 16 16	0.25 0.25 0.25 0.25 0.25	2 2 2 2	2 2 2 2 2	62.0 15.5 18.0 16.0 31.0		4 1 2 1 2	3.0 3.0 3.0 4.0 3.0	10 10 10	5.17 5.17 3.00 4.00 5.17	1.5 1.0 1.5 1.5	0.5 0.5 0.5 0.5 0.5		Non Non Non Non	e e e	None None None None None
INFILTRATION																							
√#	Sc	cope		Me	thod	25	SLA	C	CFM50		ELA	Eq	LA	,	ACH		ACH50) Spa	ce(s)	l	nfiltrati	on Test	Volume
1		Who	lehou	se Prop	osed ACH(50)	C	0.00036		1068	ţ	58.58	109	.98	0	.1372	2	7.0	A	All	g	152 cu	ı ft	
MASS																							
V #	ı	Mass	Тур	е			Area			7	hicknes	s		Furn	iture	Fract	tion		Spac	e			
1	ı	Defa	ult(8	bs/sq.ft.)		-	0 ft²				0 ft				0.3	0			1st Fl	loor			
HEATING SYSTEM																							
V #	Ç	Syste	em Ty	/ре	;	Subtyp	pe/Spee	d	AHRI	#	Effici	ency		Capac kBtu/h		Entry	Geoth	ermal H ower		ump Cur		cts	Block
1	E	Elect	ric He	eat Pump		None	e/Single				HSPF2	2: 8.80		18.8			0	.00	0.00	0.0	00 sy:	s#1	1
								С	OOL	IN.	G SY	STE	M	19 4					4				
V #	5	Syste	em Ty	rpe		Subtyp	oe/Spee	t	AH	RI#	Eff	iciency			Capa kBtu/		Α	ir Flow cfm		SHR	Di	uct	Block
1	(Centr	al Ur	nit		No	ne/Singl	е			SEE	R2:16	0	15.4				450		0.75	sys	s#1	1

INPUT SUMMARY CHECKLIST REPORT

	System Type	Subtype												
1 E			•	Location	1	EF(UE	F) Cap	Use	SetPnt	Fixture	e Flow	Pipe In	s. Pi	pe length
	Electric	None		1st Floor	•	0.92 (0.9	92) 40.00 g	al 40 gal	120 deg	g Stan	dard	None		12
R	Recirculation System		rc Control Type		Loop length	Brancl length			Facilit Conne			DWHR Eff	t Oth	er Credits
1	No				NA	NA	NA	No	NA	N/	A	NA	No	one
						D	UCTS							
√Duct #	S Location	upply R-Value A		Ret ation	urn R-Value		Leakage	Туре	Air Handler	CFM 25 TOT	CFM 25 OUT	QN OUT	RLF	HVAC# Heat Cool
1 Atti	ic	6.0 286	ft ² Attic		6.0	57 ft²	Default Le	akage	1st Floor	(Default) (Default)			1 1
TEMPERATURES														
Program Cooling Heating Venting	y [X] Jan	estat: Y [] Feb [X] Feb [] Feb	[] Mar [X] Mar [X] Mar	[] Apr [] Apr [X] Apr	N [] N [] N []	/lay	ans: N [X] Jun [] Jun [] Jun	[X] Jul [] Jul [] Jul	[X] Aug [] Aug [] Aug	[X] Sep [] Sep [] Sep	[] Oc [] Oc [X] Oc	t [[] Nov X] Nov X] Nov	[] Dec [X] Dec [] Dec
	mostat Schedu dule Type	ıle: HERS 2	2006 Referer 1	nce 2	3	4	5	Hou 6	ırs 7	8	9	10	11	12
Coolir	ing (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
Coolir	ng (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
Heatir	ing (WD)	AM PM	66 68	66 68	66 68	66 68	66 68	68 68	68 68	68 68	68 68	68 68	68 68	68 66
Heatir	ing (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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD ESTIMATED ENERGY PERFORMANCE INDEX* = 94

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

,Lake City,FL,32055

1. New construction or existing	ng New (F	rom Plans)	10. Wall Types (1120.0 sqft.)	Insulation Area
2. Single family or multiple fa	amily	Detached	a. Frame - Wood, Exterior	R=13.0 1120.00 ft ²
3. Number of units, if multiple	e family	1	b. N/A c. N/A	
4. Number of Bedrooms		2	d. N/A	
5. Is this a worst case?		No	11. Ceiling Types(1258.4 sqft.)	Insulation Area
Conditioned floor area aborditioned floor area below		1144 0	a. Flat ceiling under att (Vented)b. N/Ac. N/A	R=38.0 1258.40 ft ²
a. U-Factor: Sg	escription yl, U=0.36 HGC=0.25	Area 142.50 ft ²	 Roof(Comp. Shingles, Vented) Ducts, location & insulation level Sup: Attic, Ret: Attic, AH: 1st Floor 	R ft ²
b. U-Factor: N// SHGC:		ft²	b. c.	
c. U-Factor: N// SHGC:		ft ²	 Cooling Systems Central Unit 	kBtu/hr Efficiency 15.4 SEER2:16.00
Area Weighted Average Ove Area Weighted Average SH		1.337 ft 0.250		
8. Skylights De U-Factor:(AVG) N/// SHGC(AVG): N///	12.7°	Area N/A ft²	 Heating Systems Electric Heat Pump 	kBtu/hr Efficiency 18.8 HSPF2:8.80
 Floor Types a. Slab-On-Grade Edge Inst b. N/A c. N/A 	Insulation ulation R= 0.0 R= R=	Area 1144.00 ft ² ft ² ft ²	16. Hot Water Systems a. Electric	Cap: 40 gallons EF: 0.920
O. IN/A	11	10	b. Conservation features	Makana
			17. Credits	None 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:

8/2/24

Address of New Home:

City/FL Zip: Lake City,FL,32055

*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.

