FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: p	oonder res		Builder Name: amira					
Street:			Permit Office:					
	FL,		Permit Number:					
Owner: Design Location: F	L, Gainesville		Jurisdiction: County: Alachua (Florida Climate	Zone 2)				
Design Location.	L, Gamesvine		Alachda (Florida Olimate	20110 2)				
New construction or	existing	New (From Plans)	9. Wall Types (1503.0 sqft.)	Insulation Area				
Single family or mul	tiple family	Single-family	a. Frame - Wood, Exterior	R=19.0 1503.00 ft ²				
3. Number of units, if n		1	b. N/A c. N/A	R= ft²				
Number of Bedroom		3	d. N/A	$R=$ ft^2 $R=$ ft^2				
			10. Ceiling Types (1594.0 sqft.)	Insulation Area				
5. Is this a worst case?		Yes	a. Under Attic (Vented)	R=30.0 1594.00 ft ²				
Conditioned floor are	ea above grade (ft²)	1594	b. N/A c. N/A	$R=$ ft^2 $R=$ ft^2				
Conditioned floor are	ea below grade (ft²)	0	11. Ducts	R ft ²				
7. Windows(134.0 sqf		Area	a. Sup: Attic, Ret: Attic, AH: Exterior	6 318.8				
a. U-Factor:	Dbl, U=0.21	134.00 ft ²						
SHGC:	SHGC=0.31	42	12. Cooling systems	kBtu/hr Efficiency				
b. U-Factor: SHGC:	N/A	ft²	a. Central Unit	24.0 SEER:17.00				
c. U-Factor:	N/A	ft²						
SHGC:			13. Heating systems	kBtu/hr Efficiency				
d. U-Factor:	N/A	ft²	a. Electric Heat Pump	24.0 HSPF:9.00				
SHGC:	ogo Overbong Dent	h: 1.500 ft.						
Area Weighted Aver Area Weighted Aver		0.310	14. Hot water systems					
8. Floor Types (1594.	_	Insulation Area	a. Electric	Cap: 50 gallons				
a. Slab-On-Grade E		R=0.0 1594.00 ft ²	b. Conservation features	EF: 0.980				
b. N/A	-9	R= ft ²	None					
c. N/A		R= ft ²	15. Credits	Pstat				
		T	11 1 11 11					
Glass/Floor Area:	0.084	Total Proposed Modifie		PASS				
		Total Baseline	e Loads: 44.47	. 7100				
I hereby certify that t	he plans and spe	cifications covered by	Review of the plans and	THE STATE				
this calculation are ir			specifications covered by this					
Code.			calculation indicates compliance	8/100				
	ก -		with the Florida Energy Code.	LV OR				
PREPARED BY: _ DATE:	&-6-20		Before construction is completed this building will be inspected for	GRE				
DATE	0 0 20		compliance with Section 553.908					
I hereby certify that t	his huilding as de	esigned, is in compliance	Florida Statutes.					
with the Florida Ener		Joignou, io in compliance		COD WE TRUS				
			DI III DINIO OFFICIAL					
			BUILDING OFFICIAL:					
DAIE			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.
- 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 6.00 ACH50 (R402.4.1.2).

				PROJE	CT							
Title: Building Tyl Owner Nam # of Units: Builder Nam Permit Offic Jurisdiction Family Typo New/Existir Comment:	ne: 1 me: amira ce: : e: Single-family	ans)	Bedrooms: Conditione Total Storie Worst Cas Rotate Ang Cross Vent Whole Hou	d Area: es: e: gle: tilation:	3 1594 1 Yes 90		Lot # Block PlatE Stree Cour	k/Subdivis Book: et:	sion: Al	reet Addr achua	ess	
				CLIMA	TE							
	Design Location	TMY Site	- 0501	97.	esign Temp .5 % 2.5 %	Winte	esign Tem er Summ	ner Degi	eating ree Days	Moistu		inge
	FL, Gainesville	FL_GAINESVILLE	=_REGI		32 92	70	75	1	305.5	51	IVI	edium
				BLOC	KS							
Number 1	Name Block1	Area 1594	Volume 14346									
•	Blookt	1001	1 10 10	SPAC	FS							
Number	Name	Area	Volume ł	Kitchen	Occupants	Bedroo	ms I	nfil ID	Finished	d Cod	oled	Heated
1	Main	1594	14346	Yes	1	3	1		Yes	Yes		Yes
				FLOO	RS							
V #	Floor Type	Space	e Perir	meter	R-Value	Area				Tile W	ood Ca	rpet
1	Slab-On-Grade Edge	e Insulatio M	1ain 167	ft	0	1594 ft²				1	0	0
				ROO	F							
V #	‡ Type	Materials	Roof Area	Gable Area		Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
1	Нір	Composition shing	gles 1727 ft²	0 ft²	Medium	N	0.85	No	0.9	No	0	22.6
				ATTI	С							
V #	‡ Type	Venti	lation	Vent Rati	o (1 in)	Area	RBS	IR	СС			
1	Full attic	Ver	nted	300)	1594 ft²	N	١	N			
				CEILI	NG							
V #			Space	R-Value			Area	Area Framing Fra			з Туре	
1	Under Attic (Ve	ented)	Main	30	Blow	n '	1594 ft ²		0.11	W	bod	

INPUT SUMMARY CHECKLIST REPORT

						WA	ALLS							
V #	Orn	Adja t To		Туре	Spac	Cavity e R-Value	Wic E Ft		Height Ft In	Area	Sheathin R-Value	g Framing Fraction	Solar Absor	
1	N=>	E Exterio		me - Wood	Main		53	9	9	477.0 ft ²		0.23	0.75	0
2	S=>	W Exterio	or Fra	me - Wood	Main	19	30	9	9	270.0 ft ²		0.23	0.75	0
3	E=>	S Exterio	or Fra	me - Wood	Main	19	46	,	9	414.0 ft ²		0.23	0.75	0
4	W=:	N Exterio	or Fra	me - Wood	Main	19	38	!	9	342.0 ft ²		0.23	0.75	0
						DO	ORS							
\checkmark	#	Or	nt	Door Type	Space			Storms	U-Valu	ie F	Width t In	Heigh Ft	it In	Area
	1	N=	>E	Insulated	Main			None	.46	3	3	6	8	20 ft ²
	2	S=:	-W	Wood	Main			None	.46	2	2 8	6	8 1	17.8 ft²
				Orientatio	n shown is th		DOWS ientation		anged to W	orst Case.				
/		Wa	I					(/	9		rhang			
V	#	Ornt ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area		Separation	Int Sha	ade	Screenin
	1	N=>E 1	Vinyl	Low-E Double	Yes	0.21	0.31	N	60.0 ft ²	1 ft 6 in	2 ft 0 in	Drapes/I	olinds	Exterior
	2	S=>W 2	Vinyl	Low-E Double	Yes	0.21	0.31	N	10.0 ft ²	1 ft 6 in	2 ft 0 in	Drapes/l	olinds	Exterior
	3	E=>S 3	Vinyl	Low-E Double	Yes	0.21	0.31	N	60.0 ft ²	1 ft 6 in	2 ft 0 in	Drapes/I	olinds	Exterior
	4	W=>N 4	Vinyl	Low-E Double	Yes	0.21	0.31	N	4.0 ft ²	1 ft 6 in	2 ft 0 in	Drapes/l	olinds	Exterior
						INFILT	RATIO	ON						
#	Scope		Method		SLA	CFM 50	ELA	Е	qLA	ACH	AC	H 50		
1 Wh	olehou	ise Pro	posed AC	CH(50) .0	00343	1434.6	78.76	14	18.12	.1353		6		
						HEATING	G SYS	TEM						
\vee	#	System	Туре	Ç	Subtype Speed		Efficienc		cy Capacity				Block	Ducts
	1	Electric	Heat Pu	mp/	Split	Singl		HSPF:9) 24	4 kBtu/hr			1	sys#1
						COOLIN	G SYS	TEM						
$\sqrt{}$	#	System	Туре		Subtype	Subtype	e l	Efficiency	Capac	ity A	ir Flow	SHR	Block	Ducts
	1	Central	Unit/		Split	Singl		SEER: 17	24 kBtu	/hr 72	20 cfm	0.75	1	sys#1
					l	TAW TOF	ER SY	STEM						
$\sqrt{}$	#	# System Type SubType L		Location EF		Сар		Use	SetPnt		Conservation			
	1 Electric None		Exterior	0.98	50 g	jal	60 gal 120 deg		e g	None				

INPUT SUMMARY CHECKLIST REPORT

SOLAR HOT WATER SYSTEM																
\vee	FSEC Cert #	Company	Company Name Syste					m Model # Collector Model #			Collector # Area		Storage Volume		FEF	
	None	None	None								ft²					
DUCTS																
\checkmark	#		ıpply R-Value Area		Ret Location	turn Area	Leakaç	је Туре	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HV. Heat	AC # Cool	
	1	Attic	6 318.8	ft	Attic	79.7 ft²	Default	Leakage	Exterior	(Default)	(Default	i)		1	1	
						TEM	PERATUR	RES								
Program	able The	rmostat: Y		Ceiling Fans:												
Cooling Heating Venting	[] Jaı [X] Jaı [] Jaı	n []Feb n [X]Feb n []Feb	o [] Mar o [X] Mar o [X] Mar	[Apr [Apr [Apr [May May May	[X] Jun [] Jun [] Jun	[X] Jul [] Jul [] Jul	[X] Aug [] Aug [] Aug	[X] Sep [] Sep [] Sep	[] [x]	Oct Oct Oct	[] Nov [X] Nov [X] Nov	[x]	Dec Dec Dec	
Thermosta		le: HERS 2	006 Reference	2	3	4	5	Ho 6	ours 7	8	9	10	11		12	
Cooling (W		AM PM	78 80	78 80	78 78	78 78	78 78	78 78	78 78	78 78	80 78	80 78	80 78	<u>{</u>	30 78	
Cooling (W	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	7	78 78	
Heating (V	VD)	AM PM	66 68	66 68	66 68	66 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	6	68 66	
Heating (V	VEH)	AM PM	66 68	66 68	66 68	66 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	6	68 66	
							MASS									
Ma	ass Type			Area Thickn					Furniture Fra	ction	Sp	ace				
Default(8 lbs/sq.ft.				0	ft²		0 ft) ft 0.3				Main				