FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name:	Guinn Residence		Builder Name:								
Street: City, State, Zip:	743 SW Central Terr Fort White, FL, 32024		Permit Office: Permit Number:								
Owner:	FOIL WHILE, FL, 32024	•	Jurisdiction:								
Design Location:	FL, Gainesville		County: columbia(Florida Climate Zone 2)								
New construction	n or existing	New (From Plans)	10. Wall Types(1086.5 sqft.)	Insulation Area							
2. Single family or	multiple family	Detached	a. Frame - Wood, Exterior	R=13.0 1086.50 ft ²							
3. Number of units	, if multiple family	1	b. N/A c. N/A	$R= ft^2$ $R= ft^2$							
4. Number of Bedr	ooms	1	d. N/A	$R = ft^2$							
5. Is this a worst ca	ase?	No	11. Ceiling Types(570.0 sqft.) Insulation								
6. Conditioned floo	or area above grade (ft²)	570	a. Cathedral/Single Assembly (b. N/A	(Unvent Re)30.0 570.00 ft ² R= ft ²							
Conditioned floo	or area below grade (ft²)	0	c. N/A	$R=$ ft^2							
7. Windows(12.5 s		Area	12. Ducts, location & insulation lev								
a. U-Factor: SHGC:	Dbl, U=0.26 SHGC=0.20	12.50 ft ²	a. a. Sup: Main, Ret: Main, AH	: Main 6 1							
b. U-Factor:	N/A	ft^2	b. c.								
SHGC:	. 4,7 .		13. Cooling Systems	kBtu/hr Efficiency							
c. U-Factor:	N/A	ft ²	a. PTAC and Room Unit	12.0 EER:19.00							
SHGC:	verage Overhang Depth	: 1.500 ft									
Area Weighted Av		0.200	14. Heating Systems	kBtu/hr Efficiency							
8. Skylights	Description	Area	a. Window/Wall Heat Pump	12.0 HSPF:7.70							
U-Factor:(AVG)	N/A	N/A ft ²									
SHGC(AVG):	N/A		15. Hot Water Systems								
9. Floor Types		ulation Area	a. ElectricTankless	Cap: 1 gallons							
a. Slab-On-Grade b. N/A	e Edge Insulation R= R=	0.0 570.00 ft ² ft ²		EF: 0.920							
c. N/A	R=	ft ²	b. Conservation features	None							
			16. Credits	CF, Pstat							
Glass/Floor Area: 0	0.022	Total Proposed Modifie	ed Loads: 18.54	D.4.00							
		Total Baselir	ne Loads: 22.54	PASS							
I hereby certify that	the plans and specifica	tions covered by	Review of the plans and	THE CO.							
	in compliance with the	Florida Energy	specifications covered by this	OF THE STATE							
Code.			calculation indicates compliance with the Florida Energy Code.								
PREPARED BY: _	LD#)	Before construction is completed	A MINISTRAL OF							
_	6-3-22		this building will be inspected for	GREE GREE							
DATE:			compliance with Section 553.908								
I hereby certify that	this building, as design	ed is in compliance	Florida Statutes.	12 15							
with the Florida En		ioa, io in compliance		OD WE TRU							
OWNER/AGENT:			BUILDING OFFICIAL:								
DATE:			DATE:								
- Compliance reg	uires certification by t	he air handler unit ma	I Inufacturer that the air handler enc	locuro qualifios as							

- 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 with a proposed duct leakage Qn requires a PERFORMANCE 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.
- 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 4.60 ACH50 (R402.4.1.2).

INPUT SUMMARY CHECKLIST REPORT

				PRO	JECT								
Title: Building Type: Owner: Builder Name Permit Office: Jurisdiction: Family Type: New/Existing: Year Construct Comment:	uilding Type: User wner: uilder Name: ermit Office: urisdiction: amily Type: Detached ew/Existing: New (From Plans) ear Construct: 2022			s: led Area: ries: lse: ngle: ntilation: buse Fan	1 No 0	Lot : Bloc Plat Stre Cou City	:k/SubDivis Book: et:	ion: 743 SW C columbia : Fort White	: 743 SW Central Terr				
				CLIN	IATE								
Design Location		Tmy Site		Des 97.5%	sign Temp 6 2.5%		gn Temp Summer	Heating Degree Days	Design Moisture		y temp ge		
FL, Gaines	ville	FL_GAINESVILLE_	_REGION <i>A</i>	A 32	92	70	75	1305.5	51	Mediu	m		
				BLO	CKS								
Vumber	Name	Area	Vol	ume									
1	Block1	570	5842.	5									
				SPA	CES								
Number	Name	Area	Volume	Kitchen	Occupan	ts Bed	rooms	Finished	Cool	ed H	eated		
1	Main	570	5842.5	Yes	2		1	Yes	Ye	s	Yes		
				FLO	ORS		(Total	Exposed A	rea = 5	70 sq.	ft.)		
√ # Floor	Туре	Space	Exposed	Perim	Perimeter R-	√alue Area	a U-Fact	tor Joist R-Valu	e Tile V	Vood	Carpet		
1 Slab-Or	n-Grade Edge Ins	Main	10	6	0	570	ft 0.55	55	0.15	0.85	0.00		
				RC	OF								
√# Type		Materials		oof rea	Gable Ro			SA Emit Tested	t Emitt Tested	Deck Insul.	Pitch (deg)		
1 Gable o	or shed	Metal	5	88 ft²	72 ft² Lig	nt N	0.6	No 0.9	No	0	14.04		
				AT	TIC								
√# Type		Ventilation	1	Vent	Ratio (1 in)	Area	RBS	IRCO					
1 No attic		Unvented			0	570 ft²	N	N					
				CEII	LING		(Total	Exposed A	rea = 5	70 sq.	ft.)		
√# Ceilin	g Type		Space	R-V	'alue Ins. T	ype Ar	ea U-I	Factor Framin	g Frac.	Truss	Туре		
1 Cathedr	ral/Single Assembly(U	Invented)	Main	30	D.0 Blov	vn 570	.0ft² 0	.060 0.	11	Wo	ood		

INPUT SUMMARY CHECKLIST REPORT

							V	/ALL	S		(7	Γotal	Ехро	sed	Area	a = 1	087	7 sq.f	t.)
\ /#	Ornt		icent o	Wall Type		Space		Cavity R-Value	Widt Ft		Heig Ft		Area sq.ft.	U- Factor	Shea R-Va			Solar Absor.	Below Grade
1234	S		Exterior Exterior Exterior Exterior	Frame - Woo Frame - Woo Frame - Woo Frame - Woo	od od	Mai Mai Mai Mai	n n	13.0 13.0 13.0 13.0	15.0 38.0 15.0 38.0	0 0	10.0 10.0 10.0 10.0	3 3 3 3	153.8 389.5 153.8 389.5	0.094 0.094 0.094 0.094	ļ ļ	0.: 0.:		0.75 0.75 0.75 0.75	0 % 0 % 0 % 0 %
							D	OOR	S			(Tot	al Ex	cpose	ed Aı	rea =	= 4() sq.f	t.)
\ #	Ornt		Adjacent	To Door Type	Э	Space		Sto	orms		U-Val	ue		idth t In		Height Ft In		Are	a
1	S W		Exterior Exterior			Main Main			None None		0.4 0.4		3.00 3.00		6.0 6.0		8 8	20.0 20.0	
							WI	NDO	ws			(Tot	al Ex	cpose	ed Aı	rea =	= 13	3 sq.f	t.)
\ #	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp S	Storm	Area	I	O Depth	verhan Sepai		Interio	or Shad	de	Scre	ening
1	Е	2	Vinyl	Low-E Double	Yes	0.26	0.20	N	N	12.5ft	² 1.	0 ft 6 in	2.0 ft	4 in	1	None		No	ne
							INFIL	TRA	TION	1									
V #	Scope	е	Me	thod	SI	_A CF	M50	ELA	Ed	ηLA	ACI	Η .	ACH50)		Spa	ace(s)	
1	Wh	olehou	se Prop	osed ACH(50)	0.00	0030 4	148	24.58	46	5.15	0.099	96	4.6			,	All		
							ľ	MASS	3										
V #	Mas	ss Typ	е		Ar	ea		Thickne	ess	F	urniture	e Fracti	on	Ş	Space				
1	Def	ault(8	lbs/sq.ft.)		0	ft²		0 ft			0	.30			Main				
						H	EATII	NG S	YSTI	EM									
V #	Sys	stem Ty	/pe		Subtype/S	Speed	AHRI #	Eff	iciency		pacity Btu/hr	 Entry	_	ermal H wer		np Curre		ıcts E	Block
1	Wir	ndow/V	Vall HP		None/Si	ngle		HSF	PF: 7.70) 1	12.0		0	.00	0.00	0.00) sy:	s#1	1
						C	OOLII	NG S	YST	EM									
V #	Sys	stem Ty	/pe		Subtype/S	Speed	AHRI #	E	Efficienc	ÿ		acity tu/hr	Α	ir Flow cfm	;	SHR	Di	uct E	Block
1	PTA	AC and	l Room Ur	nit	None/	Single			EER:19) 1	12.0			360		0.85	sys	s#1	1

INPUT SUMMARY CHECKLIST REPORT

					НОТ	WATI	ER SY	STEM							
/ #	System Type	System Type Subtype Lo		Location		EF(UEF)	Сар	Use	SetPnt	Fixture Flow		Pipe Ins.	. Pip	e length	
1	1 Electric Tankless		3	Exterior	rior 0.92) 1.00 ga	l 40 gal	120 deg	deg Standar		ard None		99	
Recirculation System					Loop length	Branch length	Pump power	DWHR		Facilities Equal Connected Flow		DWHR Eff	Othe	Other Credits	
1	_1 No				NA NA		NA	No	NA N		NA NA		No	one	
						DU	CTS								
V Duo		ply R-Value A		Retration	urn R-Value		Leakage ⁻	Туре	Air Handler	CFM 25 TOT	CFM 25 OUT	QN	RLF H	HVAC # Heat Cool	
1	Main	6.0 1 ft	² Main		6.0	1 ft² F	Prop. Leak	Free	Main			0.03	0.50	1 1	
					T	EMPER	RATUI	RES							
Programable Ther Cooling [] Jan Heating [X] Jan Venting [] Jan		ostat: Y [] Feb [X] Feb [] Feb	[] Mar [X] Mar [X] Mar	[] Apr [] Apr [X] Apr	[] []N	May []		[X] Jul [] Jul [] Jul	[X] Aug [] Aug [] Aug	[X] Sep [] Sep [] Sep	[] Oo [] Oo [X] O	ct [X] Nov (] Nov (] Nov	[] Dec [X] Dec [] Dec	
	nermostat Sched chedule Type	lule: HERS 2	2006 Refere 1	ence 2	3	4	5	Hou 6	ırs 7	8	9	10	11	12	
Co	ooling (WD)	AM PM	78 80	78 80	78 80	78 80	78 78	78 78	78 78	78 78	80 78	80 78	80 78	80 78	
Co	ooling (WEH)	AM PM	78 80	78 80	78 80	78 80	78 78	78 78	78 78	78 78	80 78	80 78	80 78	80 78	
He	eating (WD)	AM PM	65 68	65 68	65 68	65 68	65 68	65 68	65 68	68 68	68 68	68 68	68 68	68 68	
Heating (WEH)		AM PM	65 68	65 68	65 68	65 68	65 68	65 68	65 68	68 68	68 68	68 68	68 68	68 68	