FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Roper Residence - C-1309 - J- Street: City, State, Zip: , FL , Owner: Roper Residence Design Location: FL, Gainesville	-4 528	Builder Name: Permit Office: Permit Number: Jurisdiction: County: Columbia (Flo	orida Climate Zone 2)
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) 7. Windows(112.0 sqft.) Description a. U-Factor: Dbl, U=0.35 SHGC: SHGC=0.25 b. U-Factor: N/A SHGC: c. U-Factor: N/A SHGC: Area Weighted Average Overhang Depth: Area Weighted Average SHGC: 8. Skylights c. U-Factor:(AVG) N/A SHGC(AVG): N/A 9. Floor Types (1110.0 sqft.) Insulation a. Slab-On-Grade Edge Insulation b. N/A R= c. N/A	Area 112.00 ft² ft² ft² 1.000 ft. 0.250 Area ft² an Area 1110.00 ft² ft²	15. Hot water systems a. Electric b. Conservation features None 16. Credits	R=30.0 1110.00 ft² R= ft² R= ft² R= ft² R
Glass/Floor Area: 0.101	l Proposed Modified I Total Baseline Lo		PASS
I hereby certify that the plans and specifications this calculation are in compliance with the Florid Code. PREPARED BY: James Botton DATE: 02/11/2021 I hereby certify that this building, as designed, is with the Florida Energy Code. OWNER/AGENT. DATE: 2 18 6	la Energy	Review of the plans and specifications covered by this calculation indicates compliar with the Florida Energy Code Before construction is complethis building will be inspected compliance with Section 553. Florida Statutes. BUILDING OFFICIAL:	eted for PARA

- 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).
- 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.

INPUT SUMMARY CHECKLIST REPORT

				PROJE	СТ							
Title: Building Type: Owner Name: # of Units: Builder Name: Permit Office: Jurisdiction: Family Type: New/Existing: Comment:	User Roper Resider		Bedrooms Conditione Total Stori Worst Cas Rotate An Cross Ver Whole Ho	ed Area: es: ee: gle: utilation:	2 11110 1 No 0 No		Lot # Block PlatB Stree Coun	:/Subdivi: ook: t:	sion:	reet Addre	SS	
			***************************************	CLIMA [*]	ΓΕ							
√ De	sign Location	TMY Sit	te	De 97.5	sign Temp 5 % 2.5 %		sign Tem r Summ		leating ree Days	Design Moisture		/ Temp ange
FL	, Gainesville	FL_GAINESVIL	LE_REGI	3.	2 92	70	75	1	305.5	51	М	edium
				BLOCK	s							
Number	Name	Area	Volume									
1	Block1	1110	8880									
				SPACE	S							
Number	Name	Area	Volume	Kitchen	Occupants	Bedroor	ns Ir	ıfil ID	Finished	Cool	ed	Heat
1	Main	1110	8880	Yes	3	2	1		Yes	Yes		Yes
				FLOOR	s							
V #	Floor Type	Spa	ce Peri	meter I	R-Value	Area				Tile Wo	od Ca	arpet
1 SI	ab-On-Grade Edge	e Insulatio	Main 134	ft		1110 ft²				0 0		1
				ROOF								
√ #	Туре	Materials	Roof Area	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pito (de
1	Gable or Shed	Composition shi	ngles 1203 ft²	232 ft²	Medium	N	0.9	N	0.9	No	0	22.6
				ATTIC						- In		
√ #	Туре	Ver	ntilation	Vent Ratio	(1 in)	Area	RBS IRC		cc			
1	1 Full attic Vente		ented	150	1	110 ft²	N	N				
Mar				CEILIN	G							~
./ #	Ceiling Type		Space	R-Value	Ins Ty	pe /	Area	Framing Frac		Truss	Туре	
V #	ocining Type		opuoo									

INPUT SUMMARY CHECKLIST REPORT

							W	ALLS							
V #	Orni	Adjacent Ornt To Wall Type		Spac	e Cavity	Wid Ft				Sheathing R-Value	Framing Fraction	Solar Absor.	Belov Grade		
_ 1	N		Exterior	Fra	me - Wood	Mair	11	37	0	8 0	296.0 ft ²	0	0.25	8.0	
2	Е	1	Exterior	Fra	me - Wood	Mair	11	30	0	8 0	240.0 ft ²	0	0.25	0.8	
3	S	1	Exterior	Fra	me - Wood	Mair	11	37	0	8 0	296.0 ft ²	0	0.25	8.0	
_ 4	W		Exterior	Fra	me - Wood	Mair	11	30	0	8 0	240.0 ft²	0	0.25	8.0	
							DO	ORS							
$\sqrt{}$	#	# Ornt Door Type				Space			Storms	U-Val	ue F	Width t In			Area
	1		E		Wood	Main			None	.39	3	3	6	8	20 ft²
	2		W		Wood	Main			None	.39	2	2 11	6	8 1	9.4 ft ²
						Orientation sh	WINI nown is the en	DOWS	Proposed	orientation	1				
/	and test to		Wall									rhang			
V	#	Orni	t ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area		Separation	Int Sha	ide S	Screeni
	1	n	1	Metal	Low-E Double	Yes	0.35	0.25	N	4.0 ft ²	1 ft 0 in	1 ft 0 in	Drapes/b	linds	None
	2	е	2	Metal	Low-E Double	Yes	0.35	0.25	N	30.0 ft ²	1 ft 0 in	1 ft 0 in	Drapes/b	linds	None
	3	s	3	Metal	Low-E Double	Yes	0.35	0.25	N	18.0 ft ²	1 ft 0 in	1 ft 0 in	Drapes/b	linds	None
-	4	W	4	Metal	Low-E Double	Yes	0.35	0.25	N	60.0 ft ²	1 ft 0 in	1 ft 0 in	Drapes/b	linds	None
							INFILT	RATIC	N						
5	Scope		N	fethod		SLA	CFM 50	ELA	E	qLA	ACH	ACH	150		
Who	olehous	e	Propo	osed AC	H(50) .	000305	888	48.72	9	1.46	.1176	6			
	1						HEATING	SYS	ГЕМ						
	# System Type Subty				Subtype	Speed		Efficiency	, (Capacity		В	Block	Ducts	
_	1	Ele	ectric H	leat Pun	np/	Split	Singl		HSPF:8.2		.8 kBtu/hr			1	sys#1
							COOLING	SYS	ГЕМ						
/	#	Sy	stem T	уре		Subtype	Subtype	E	fficiency	Capac	ity A	ir Flow SI	HR B	llock	Ducts
_	1	Ce	entral U	nit/		Split	Singl	S	EER: 14	23.8 kBt	u/hr	cfm 0	.8	1	sys#1
						ŀ	OT WATE	R SY	STEM						
/	#	;	System	Туре	SubType	Location	EF	Cap)	Use		t	Conservation		
	The same way to be a second of the same and					Main	0.95	40 g	52 T	60.9 gal	120 de		Nor		

INPUT SUMMARY CHECKLIST REPORT

					so	LAR HO	T WATER	SYSTI	EM						
$\sqrt{}$	FSEC Cert #	Company	Name			System	Model#	C	Collector Model #				Storage Volume		
	None	None									ft²				
							DUCTS								
\checkmark	#		upply R-Value A	ea	Re	eturn n Area	Leakag	је Туре	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HV/ Heat	AC#
	1	Attic	6 200) ft²	Attic	100 ft²	Prop. Le	eak Free	Exterior	cfm	33.3 cfm	0.03	0.50	1	1
						TEM	PERATUR	RES							
Program	able Then	mostat: Y			(Ceiling Fan	s:					Allen e			
Cooling Heating Venting	[] Jan [X] Jan [] Jan	[X] Fel [X] Fel	D [] Ma b [X] Ma c [X] Ma	r []	Apr Apr Apr	[] May [] May [] May	[X] Jun [] Jun [] Jun	[X] Jul [] Jul [] Jul	[X] Aug [] Aug [] Aug	[X] Sep [] Sep [] Sep		ct ct ct	Nov X Nov X Nov	$[\times]$	Dec Dec Dec
Thermosta		e: HERS 2	006 Referer	107,773				Ho	ours						
Schedule 1	уре		1	2	3	4	5	6	7	8	9	10	11		12
Cooling (W	D)	AM PM	78 80	78 80	78 78	78 78	78 78	78 78	78 78	78 78	80 78	80 78	80 78	8	30 78
Cooling (W	EH)	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 (W	D)	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	88 86
Heating (W	EH)	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	88 86
	1. 						MASS								
Ма	ss Type			P	Area		Thickness		Furniture Frac	tion	Spa	ce			
De	fault(8 lbs/	/sq.ft.) ft²		0 ft		0.3		N	/lain			