FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: nicewonger res Street: City, State, Zip: , FL , Owner: Design Location: FL, Gainesville	Builder Name: amira Permit Office: Permit Number: Jurisdiction: County: Alachua (Florida Climate Zone 2)
1. New construction or existing 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) 7. Windows(272.0 sqft.) 8. U-Factor: 9. SHGC: 9. U-Factor: 9. U-Factor: 9. W/A 9. SHGC: 9. O.310 8. Floor Types (3816.0 sqft.) 9. N/A 9. Rea 9. 0 3816.00 ft² 9. N/A 1. Insulation Area 1. Rea	9. Wall Types (3430.0 sqft.) a. Frame - Wood, Exterior b. Frame - Wood, Adjacent c. N/A d. N/A R= ft² d. N/A R= ft² 10. Ceiling Types (3816.0 sqft.) b. N/A R= ft² c. N/A R= ft² c. N/A R= ft² 11. Ducts R= ft² 12. Cooling systems a. Central Unit Retrict Attic, AH: Garage 12. Cooling systems a. Electric Heat Pump 13. Heating systems a. Electric Conservation features None 15. Credits Pstat
Glass/Floor Area: 0.071 Total Proposed Modified Total Baseline	PA33
I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY: 8-14-20 I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. OWNER/AGENT:	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.

- 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).

DATE:

DATE:

			P	ROJECT								
Title: Building Type Owner Name # of Units: Builder Name Permit Office Jurisdiction: Family Type: New/Existing Comment:	t: 1 a: amira : Single-family		Bedrooms: Conditioned A Total Stories: Worst Case: Rotate Angle: Cross Ventilat Whole House	1 Yes 180			Lot # Block PlatB Stree Coun	:/Subdivis ook: t:	sion: Ala	eet Addre	SS	
			(CLIMATE								
√ D	esign Location	TMY Site		Design ⁻ 97.5 %	Гетр 2.5 %		sign Tem _l r Summ		eating ree Days	Design Moisture	-	Temp
F	L, Gainesville	FL_GAINESVILLE	_REGI	32	92	70	75	1;	305.5	51	Me	edium
			I	BLOCKS								
Number	Name	Area	Volume									
1	Block1	3816	38160									
			;	SPACES								
Number	Name	Area	Volume Kitc	hen Occu	pants	Bedroor	ms Ir	nfil ID	Finished	Cool	ed	Heated
1	Main	3816	38160 Y	es	1	4	1	,	Yes	Yes		Yes
			Ī	FLOORS								
V #	Floor Type	Space	Perimet	er R-Val	ue	Area				Tile Wo	od Ca	rpet
1 \$	Slab-On-Grade Edge	Insulatio Ma	ain 343 ft	0		3816 ft ²				1 0		0
				ROOF								
√ #	Туре	Materials	Roof Area	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
1	Hip	Composition shingl	es 4133 ft²	0 ft²	Medium	N	0.85	No	0.9	No	21	22.6
				ATTIC								
√ #	Туре	Ventila	ation Ve	ent Ratio (1 in)	Area	RBS	IRO	cc			
1	Full attic	Unver		0		816 ft²	N	١	١			
				CEILING								
\/ #	Ceiling Type		R-Value	Ins Ty	Ins Type Area			ning Frac	Truss	Туре		

INPUT SUMMARY CHECKLIST REPORT

	(405-2	-017		1141 01	SUMMA		ALLS	<u> </u>	<u>Li Oiti</u>						
\/ #	Ornt	Adja To		l Type	Space	Cavity R-Value	Widt		Height Ft In	Area	Sheathing R-Value		Solar Absor.	Below Grade%	
1		SW Garag		ame - Wood	Main	13	33		10	330.0 ft ²	- IV Value	0.23	0.75	0	
2	N=>	S Exterio	or Fra	ame - Wood	Main	19	81		10	810.0 ft ²		0.23	0.75	0	
3	S=>I	N Exterio	or Fra	ame - Wood	Main	19	36		10	360.0 ft ²		0.23	0.75	0	
4	E=>\	V Exterio	or Fra	ame - Wood	Main	19	105		10	1050.0 ft ²		0.23	0.75	0	
5	W=>	E Exterio	or Fra	ame - Wood	Main	19	88		10	880.0 ft ²		0.23	0.75	0	
						DO	ORS								
\vee	#	Or	nt	Door Type	Space			Storms	U-Valu	ıe Fi	Width In	Height Ft	i In	Area	
	1	NE=	-SW	Insulated	Main			None	.46	2				7.8 ft ²	
	2	N=	_	Insulated	Main			None	.46	6		8		48 ft²	
	3	E=>		Insulated	Main			None	.46	6		8		48 ft²	
	4	E=:		Insulated	Main			None	.46	6		8		48 ft²	
	5	E=:		Insulated	Main			None	.46	6		8		48 ft²	
	6	E=:		Insulated	Main			None	.46	6		8		48 ft²	
				Orientation	shown is the		DOWS ientation	(=>) cha	anged to W	orst Case.					
_/	#	Wa Ornt ID	II Frame	e Panes	NFRC	U-Factor	SHGC	Imp	Area		hang Separation	Int Sha	ndo 9	Screening	
· ·		N=>S 2	Vinyl	Low-E Double	Yes	0.21	0.31	N	32.0 ft ²	1 ft 6 in	•	Drapes/b		Exterior 5	
		N=>S 2	Vinyl	Low-E Double	Yes	0.21	0.31	N	16.0 ft ²	1 ft 6 in	2 ft 0 in	Drapes/b		Exterior 5	
		S=>N 3	Vinyl	Low-E Double	Yes	0.21	0.31	N	36.0 ft ²	1 ft 6 in	2 ft 0 in	Drapes/b		Exterior 5	
	-	=>W 4	Vinyl	Low-E Double	Yes	0.21	0.31	N	80.0 ft ²	8 ft 6 in	2 ft 0 in	Drapes/b		Exterior 5	
		==>W 4	Vinyl	Low-E Double	Yes	0.21	0.31	N	54.0 ft ²	8 ft 6 in	2 ft 0 in	Drapes/b		Exterior 5	
		N=>E 5	Vinyl	Low-E Double	Yes	0.21	0.31	N	54.0 ft ²	1 ft 6 in		Drapes/b		Exterior 5	
						GAI	RAGE								
	#	Flo	or Area	Ceilin	g Area	Exposed \	Wall Peri	meter	Avg. W	all Height	Expose	ed Wall Ins	sulation		
	1					64 ft				8 ft			1		
						INFILT	RATIO	N							
	Scope		Method			CFM 50	ELA		EqLA	ACH	ACH				
1 Wh	olehous	se Pro	posed A	CH(50) .00	00381	3816	209.49	39	93.98	.1568	(5			
						HEATING	G SYS	ГЕМ							
$\sqrt{}$	#	System	Туре	S	ubtype	Speed		Efficienc	су (Capacity		E	Block	Ducts	
	1	Electric	Heat Pu	ımp/ S	plit	Singl	_	HSPF:	9 6	0 kBtu/hr			1	sys#1	

INPUT SUMMARY CHECKLIST REPORT

				UT SUIVI		ING SYS							
\checkmark	#	System Type		Subtype	Sub	otype	Efficiency	Capacity	Air F	low	SHR	Block	Ducts
	1	Central Unit/		Split	Sir	ıgl	SEER: 16	60 kBtu/hr	1800	cfm	0.75	1	sys#1
					HOT W	ATER SY	STEM						
$\sqrt{}$	#	System Type	SubType	Locatio	n EF	Ca	ар	Use	SetPnt		Co	nservatio	n
	1	Electric	None	Garage	0.98	50 (gal	70 gal	120 deg			None	
				S	OLAR HO	T WATER	RSYSTE	EM					
\bigvee	FSEC Cert #	Company N	lame		System	Model #	Co	ollector Mode		llector	Stor Volu	rage ume	FEF
	None	None								ft²			
						DUCTS							
\checkmark	#	Sup Location R	ply -Value Area	F Locatio	Return on Area	Leaka	ge Type	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC #
	1	Attic	6 622 ft ²	Attic	190.8 f	t Default	Leakage	Garage	(Default)	(Defaul	t)		1 1
					TEM	PERATU	RES						
Program	nable Th	ermostat: Y			Ceiling Fan	s:							
Cooling Heating Venting	[] J [X] J	an []Feb an [X]Feb an []Feb	[] Mar [X] Mar [X] Mar	[] Apr [] Apr [X] 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	[] Ded [X] Ded [] Ded
		ule: HERS 200						ours					
Schedule ⁻			1	2 3		5	6	7	8	9	10	11	12
Cooling (V	VD)	AM PM	78 80	78 77 80 78	8 78 8 78	78 78	78 78	78 78	78 78	80 78	80 78	80 78	80 78
Cooling (V	VEH)	AM PM	78 78	78 77 78 78	8 78 8 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78
Heating (V	VD)	AM PM	66 68	66 66 68 66	66 8 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	68 66
Heating (V	VEH)	AM PM	66 68	66 66 68 66		66 68	68 68	68 68	68 68	68 68	68 68	68 66	68 66
						MASS	30						
Ma	ass Type	Э		Area		Thickness		Furniture Fra	ction	S	pace		
De	efault(8 l	bs/sq.ft.		0 ft²		0 ft		0.3			Main		