FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: SouthTrust Rogers Street: City, State, Zip: , FL , Owner: Rogers Design Location: FL, Gainesville	Builder Name: SouthTrust Permit Office: Permit Number: Jurisdiction: County: Alachua (Florida Climate Zone 2)
 New construction or existing Single family or multiple family Number of units, if multiple family Number of Bedrooms Is this a worst case? Conditioned floor area above grade (ft²) Conditioned floor area below grade (ft²) Windows(160.6 sqft.) Description U-Factor: Dbl, U=0.34 	9. Wall Types (1584.0 sqft.) a. Frame - Wood, Exterior b. N/A c. N/A d. N/A R= ft² d. N/A R= 10. Ceiling Types (1496.0 sqft.) a. Under Attic (Vented) b. N/A c. N/A R= ft² 10. Ceiling Types (1496.0 sqft.) R=30.0 1496.00 ft² R=30.0 1496.00 ft² R=30.0 1496.00 ft² R= ft² R= ft²
SHGC: SHGC=0.29 b. U-Factor: N/A SHGC: c. U-Factor: N/A SHGC: d. U-Factor: N/A SHGC: Area Weighted Average Overhang Depth: 1.500 Area Weighted Average SHGC: 0.290	a. Central Unit 29.0 SEER:15.25 13. Heating systems kBtu/hr Efficiency a. Electric Heat Pump 27.8 HSPF:9.50
8. Floor Types (1496.0 sqft.) Insulation Area a. Slab-On-Grade Edge Insulation R=0.0 1496.00 b. N/A R= c. N/A R=	b. Conservation features None 15. Credits Kef: 0.920 CF, Pstat
I (dass/Floor Area: () 1()/	Modified Loads: 39.93 Paseline Loads: 42.59
I hereby certify that the plans and specifications covered this calculation are in compliance with the Florida Energy Code. PREPARED BY: DATE: I hereby certify that this building, as designed, is in compl with the Florida Energy Code. OWNER/AGENT: DATE:	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 5.00 ACH50 (R402.4.1.2).

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Title: Building Ty Owner Nar # of Units: Builder Na Permit Offi Jurisdiction Family Typ New/Existi Comment:	me: Rogers 1 me: SouthTrust ice: n: pe: Single-family ng: New (From Plai		Bedrooms: Conditioned Total Stories Worst Case: Rotate Angle Cross Ventili Whole Hous	No No e: 0 ation:			Lot # Block PlatB Stree Coun	x/Subdivis sook: et:	sion: Al	reet Addre	SS	
				CLIMATE								
\checkmark	Design Location	TMY Site		Desig 97.5 %	n Temp 6 2.5 %		sign Tem r Summ		eating ree Days	Design Moisture	-	Temp
	FL, Gainesville	FL_GAINESVILLE	_REGI	32	92	70	75	1	305.5	51	Me	edium
				BLOCKS								
Number	Name	Area	Volume									
1	Block1	1496	13464									
				SPACES								
Number	Name	Area	Volume Kit	chen Oc	cupants	Bedrooi	ms Ir	nfil ID	Finished	I Cool	ed	Heated
1	Main	1496	13464	Yes	2	2	1		Yes	Yes		Yes
				FLOORS								
	# Floor Type	Space	Perime	eter R-\	√alue	Area				Tile Wo	od Ca	rpet
	1 Slab-On-Grade Edge	Insulatio Ma	ain 176 ft	:	0	1496 ft ²				0.22 0.2	2 0	.56
				ROOF								
/	# Туре	Materials	Roof Area	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
	1 Gable or shed	Composition shing	les 1733 ft²	438 ft ²	Medium	N	0.96	No	0.9	No	0	30.3
				ATTIC								
<u> </u>	# Type	Ventila	ation \	Vent Ratio (1	in)	Area	RBS	IRO	СС			
	1 Full attic	Vent		300			N	N				
				CEILING								
V	# Ceiling Type		Space	pace R-Value Ins Type			Area Framing Frac			Truss	Туре	
	1 Under Attic (Ve		Main				1496 ft²		0.11	Wo		

INPUT SUMMARY CHECKLIST REPORT

						· · ·	WA	ALLS							
V #	Ornt		Adjace		Туре	Space	Cavity R-Value	Wid		Height Et In	Area	Sheathing	g Framing Fraction		Belov Grade
1	N		xterior		me - Wood	Main		56			504.0 ft ²		0.111	0.15000	
2	Е	E	xterior	Frai	me - Wood	Main	13	32	9)	288.0 ft ²		0.111	0.15000	0 0
3	S	E	xterior	Frai	me - Wood	Main	13	56	ç	9	504.0 ft ²		0.111	0.15000	0 (
4	W	E	xterior	Frai	me - Wood	Main	13	32	ę	9	288.0 ft ²		0.111	0.15000	0 (
							DO	ORS							
$\sqrt{}$	#		Orn	i	Door Type	Space			Storms	U-Valu	ıe F	Width t In	Heigh Ft	nt In	Area
	1		N		Insulated	Main			None	.46	3	3	6	8 :	20 ft ²
	2		s		Insulated	Main			None	.46	1		6	8 6	6.7 ft ²
	3		s		Insulated	Main			None	.46	6	3	6	8 4	40 ft ²
	4		S		Insulated	Main			None	.46	3	3	6	8 :	20 ft²
					0	riantation ab		DOWS		oriontotion					
			Wall		0	nentation sn	own is the e	nterea, F	roposea	onentation		rhong			
$\sqrt{}$	#	Ornt	ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area		rhang Separation	Int Sh	ade S	Screeni
	1	N	1	Vinyl	Low-E Double	Yes	0.34	0.29	N	60.0 ft ²	1 ft 6 in	1 ft 6 in	Drapes/	blinds	None
	2	N	1	Vinyl	Low-E Double	Yes	0.34	0.29	N	17.8 ft ²	1 ft 6 in	1 ft 6 in	Drapes/		None
	3	Ν	1	Vinyl	Low-E Double	Yes	0.34	0.29	N	7.5 ft ²	1 ft 6 in	1 ft 6 in	Drapes/	blinds/	None
	4	Ν	1	Vinyl	Low-E Double	Yes	0.34	0.29	N	4.0 ft ²	1 ft 6 in	1 ft 6 in	Drapes/	blinds/	None
	5	Е	2	Vinyl	Low-E Double	Yes	0.34	0.29	N	5.0 ft ²	1 ft 6 in	1 ft 6 in	Drapes/	/blinds	None
	6	s	3	Vinyl	Low-E Double	Yes	0.34	0.29	N	10.0 ft ²	1 ft 6 in	1 ft 6 in	Drapes/	blinds/	None
	7	s	3	Vinyl	Low-E Double	Yes	0.34	0.29	N	18.0 ft ²	1 ft 6 in	1 ft 6 in	Drapes/	blinds/	None
	8	s	3	Vinyl	Low-E Double	Yes	0.34	0.29	N	33.3 ft ²	1 ft 6 in	1 ft 6 in	Drapes/	blinds/	None
	9	W	4	Vinyl	Low-E Double	Yes	0.34	0.29	N	5.0 ft ²	1 ft 6 in	1 ft 6 in	Drapes/	blinds/	None
							INFILT	RATIC	N						
S	Scope			/lethod		SLA	CFM 50	ELA	E	qLA	ACH	AC	H 50		
Who	olehou	se	Prop	osed AC	CH(50) .00	00286	1122	61.6		5.84	.1128		5		
							HEATING	SYS	TEM						
$\sqrt{}$	#	Sys	stem 7	Гуре	S	ubtype			Efficienc	у (Capacity			Block	Ducts
	1	Ele	ctric F	leat Pur	mp/ N	one			HSPF:9.	5 27	.8 kBtu/hr			1	sys#1
							COOLING	G SYS	TEM						
\bigvee	#	Sy	stem 7	Гуре	S	ubtype		E	Efficiency	Capac	ity A	ir Flow	SHR	Block	Ducts
	1	Ce	ntral L	Jnit/	N	one		SE	ER: 15.2	5 29 kBtu	ı/hr 87	70 cfm (0.75	1	sys#1

INPUT SUMMARY CHECKLIST REPORT

					HOT W	ATER SY	STEM							
$\sqrt{}$	#	System Type	SubType	Locatio	n EF	Ca	р	Use	SetPnt		Conservatio			
	1 Electric None		Attic 0.92		40 gal		50 gal 120 deg		None					
				s	OLAR HO	T WATER	SYST	EM						
\checkmark	FSEC Cert # Company Name				System Model #						llector Storage rea Volume		FEF	
	None	None				ft²								
						DUCTS								
\checkmark	Suppl # Location R-V		oply Re R-Value Area Location		Return on Area			Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HV Heat	AC # Coo
	1	Attic	6 299.2	ft Attic	74.8 ft ²	Default l	_eakage	Attic	(Default)	(Default)			1	1
					TEM	PERATUR	RES							
Program	nable The	ermostat: Y			Ceiling Fans	s:								
Cooling Heating Venting	[] Ja [X] Ja [] Ja	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	[] S	Oct Oct Oct	[] Nov [X] Nov [X] Nov	[x]	Dec Dec Dec
Thermosta	at Schedu	ule: HERS 20	006 Reference	ı			H	lours						
Schedule '	Туре		1	2 :	3 4	5	6	7	8	9	10	11		12
Cooling (V	VD)	AM PM	78 80	78 7 80 7	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 7 78 7	8 78 8 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	•	78 78
Heating (WD)		AM PM	66 68	66 6 68 6	6 66 8 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66		68 66
Heating (WEH)		AM PM	66 68	66 6 68 6	6 66 8 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66		68 66
						MASS								
Ma	ass Type	:		Area		Thickness		Furniture Fra	ction	Spa	ace			
De	efault(8 lk	os/sq.ft.		0 ft²		0 ft		0.3			Main			