FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: SouthTrust T Adams Street: City, State, Zip: , FL , Owner: T. Adams Design Location: FL, Gainesville		Builder Name: SouthTrust Permit Office: Permit Number: Jurisdiction: County: Alachua (Florida Climate	e Zone 2)
	w (From Plans) gle-family 70 Area	9. Wall Types (2052.0 sqft.) a. Frame - Wood, Exterior b. Frame - Wood, Adjacent c. N/A d. N/A 10. Ceiling Types (1870.0 sqft.) a. Roof Deck (Unvented) b. N/A c. N/A 11. Ducts a. Sup: Attic, Ret: Attic, AH: Main	Insulation Area R=13.0 1773.00 ft² R=13.0 279.00 ft² R= ft² R= ft² Insulation Area R=19.0 1870.00 ft² R= ft² R= ft² R= ft² R= ft² R= ft²
a. U-Factor: Dbl, U=0.34 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: Area Weighted Average SHGC: 8. Floor Types (1870.0 sqft.) Insulati a. Slab-On-Grade Edge Insulation R=0.0 b. N/A R= c. N/A	223.67 ft ² ft ² ft ² ft ² 2.000 ft. 0.290	 12. Cooling systems a. Central Unit 13. Heating systems a. Electric Heat Pump 14. Hot water systems a. Electric b. Conservation features None 15. Credits 	kBtu/hr Efficiency 41.0 SEER:15.00 kBtu/hr Efficiency 38.5 HSPF:8.75 Cap: 40 gallons EF: 0.920 CF, Pstat
Glass/Floor Area: 0.120	al Proposed Modified Total Baseline	d Loads: 43.06	PASS
I hereby certify that the plans and specification this calculation are in compliance with the Flor Code. PREPARED BY: DATE: I hereby certify that this building, as designed, with the Florida Energy Code. OWNER/AGENT:	is in compliance	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. BUILDING OFFICIAL:	
DATE:		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 5.00 ACH50 (R402.4.1.2).
- Compliance requires a roof emittance test in accordance with R405.7.2

				PROJEC [*]	Т							
Title: Building Typ Owner Name # of Units: Builder Name Permit Office Jurisdiction: Family Type New/Existing Comment:	e: T. Adams 1 se: SouthTrust e: : Single-family		Bedrooms: Conditioned Total Stories Worst Case Rotate Angle Cross Ventil Whole Hous	s: 1 : No e: 0 ation:	370		Lot # Block PlatB Stree Coun	x/Subdivis sook: et:	sion: Al	reet Addre	SS	
				CLIMATE								
V c	Design Location	TMY Site		Desig 97.5 %	gn Temp % 2.5 %		esign Tem er Summ		eating ree Days	Design Moisture	-	Temp nge
F	FL, Gainesville	FL_GAINESVILLE	_REGI	32	92	70	75	1	305.5	51	Me	edium
				BLOCKS	3							
Number	Name	Area	Volume									
1	Block1	1870	16830									
				SPACES	3							
Number	Name	Area	Volume Ki	tchen Od	ccupants	Bedroo	ms Ir	nfil ID	Finished	I Cool	ed	Heated
1	Main	1870	16830	Yes	3	3	1		Yes	Yes		Yes
				FLOORS	3							
V #	Floor Type	Space	Perim	eter R-	·Value	Area				Tile Woo	od Ca	rpet
1	Slab-On-Grade Edge	e Insulatio Ma	ain 228 f	t	0	1870 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	es 2166 ft ²	546 ft²	Medium	N	0.96	No	0.9	Yes	19	30.3
				ATTIC								
√ #	Туре	Ventila	ation	Vent Ratio (1 in)	Area	RBS	IR	СС			
1	Full attic	Unver	nted	0	1	870 ft ² N		N				
				CEILING)							
V #	Ceiling Type		Space	R-Value	Ins Ty	ре	Area	Fram	Framing Frac		Туре	
1	Under Attic (Ur	nvented)	Main	19	Blowr	,	1870 ft²		0.11	Woo		

INPUT SUMMARY CHECKLIST REPORT

								WA	LLS							
\/	/ #	Ornt	,	Adjace		Туре	Space	Cavity R-Value	Wid Ft		Height Ft In	Area	Sheathing R-Value	Framing	Solar	Below Grade%
	 _ 1	N	E	kterior		me - Wood	Main	13	45		9	405.0 ft ²		0.11	0.150000	
	2	Ν	G	arage	Fra	me - Wood	Main	13	31		9	279.0 ft ²		0.11	0.150000	0
	3	Е	E	kterior	Fra	me - Wood	Main	13	57		9	513.0 ft ²		0.11	0.150000	0
	4	S	E	kterior	Fra	me - Wood	Main	13	66		9	594.0 ft ²		0.11	0.150000	0
	5	W	Ex	kterior	Fra	me - Wood	Main	13	29		9	261.0 ft ²		0.11	0.150000	0
								DO	ORS							
\vee	/	#		Ornt	t	Door Type	Space			Storms	U-Val	ue F	Width t In	Heigh Ft	it , In	Area
		1		N		Insulated	Main			None	.46	3	}	8	2	4 ft²
		2		N		Insulated	Main			None	.46	3	}	8	2	4 ft²
		3		Ν		Insulated	Main			None	.46	3	3	8	2	4 ft²
		4		S		Insulated	Main			None	.46	1	8	6	8 11	1.1 ft²
						Ori	entation sho		DOWS		l orientatio	n				
	/			Wall		<u> </u>	ontation one		itorou, r	Торосос	· onomano		rhang			
	, 	#	Ornt	ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area		Separation	Int Sh	ade S	creening
		1	Ν	1	Vinyl	Low-E Double	Yes	0.34	0.29	N	36.0 ft ²	2 ft 0 in	1 ft 6 in	Drapes/	blinds	None
		2	Ν	1	Vinyl	Low-E Double	Yes	0.34	0.29	N	16.0 ft ²	2 ft 0 in	1 ft 6 in	Drapes/	blinds	None
		3	Е	3	Vinyl	Low-E Double	Yes	0.34	0.29	N	4.5 ft ²	2 ft 0 in	1 ft 6 in	Drapes/	blinds	None
		4	S	4	Vinyl	Low-E Double	Yes	0.34	0.29	Ν	75.0 ft ²	2 ft 0 in	1 ft 6 in	Drapes/	blinds	None
		5	S	4	Vinyl	Low-E Double	Yes	0.34	0.29	Ν	75.0 ft ²	2 ft 0 in	1 ft 6 in	Drapes/	blinds	None
		6	S	4	Vinyl	Low-E Double	Yes	0.34	0.29	N	4.5 ft ²	2 ft 0 in	1 ft 6 in	Drapes/	blinds	None
		7	S	4	Vinyl	Low-E Double	Yes	0.34	0.29	N	6.7 ft ²	2 ft 0 in	1 ft 6 in	Drapes/	blinds	None
		8	W	5	Vinyl	Low-E Double	Yes	0.34	0.29	N	6.0 ft ²	2 ft 0 in	1 ft 6 in	Drapes/	blinds	None
								GAI	RAGE							
	/	#		Floo	r Area	Ceiling	Area	Exposed \	Wall Perimeter		Avg. Wall Height		Exposed Wall Insulation			
		1		382	2.8 ft²	382.8	3 ft²	(64 ft		1	B ft		1		
								INFILT	RATIC	N						
#	So	cope		N	/lethod		SLA (CFM 50	ELA	E	EqLA	ACH	ACH	H 50		
1 '	Whol	ehous	se	Prop	osed AC	CH(50) .000)286	1402.5	77	1	44.8	.1128	5	5		
								HEATING	SYS	TEM						
\bigvee	/	#	Sys	stem 1	Гуре	Su	btype			Efficienc	СУ	Capacity			Block	Ducts
•		1	Ele	ctric H	leat Pur	mp/ No	ne			HSPF:8.	75 38	3.5 kBtu/hr			1	sys#1

INPUT SUMMARY CHECKLIST REPORT

			IIVI	OT SOW		LING SYS							
\checkmark	# 5	System Type		Subtype		E	Efficiency	Capacity	Air F	low	SHR	Block	Ducts
	1 (Central Unit/		None		\$	SEER: 15	41 kBtu/hr	1230	cfm	0.75	1	sys#1
					HOT W	ATER SY	STEM						
\vee	#	# System Type SubType			n EF	Ca	Сар		Use SetPnt		Co	nservatio	n
	1	Electric	None	Main	0.92	40 g	al	60 gal	120 deg			None	
				s	OLAR HO	T WATER	SYSTE	М					
\checkmark	FSEC Cert #	Company N	ame		System	Model #	Co	ollector Mode		llector Area		rage ume	FEF
	None	None								ft²			
						DUCTS							
\checkmark	#	Supp Location R-	oly -Value Area	 Locati	Return on Area	Leakaç	је Туре	Air Handler		CFM25 OUT	5 QN	RLF	HVAC # Heat Cool
	1	Attic	6 374 ft ²	Attic	93.5 ft ²	Default	Leakage	Main	(Default)	(Defau	lt)		1 1
					TEM	PERATUR	RES						
Program	nable The	ermostat: Y			Ceiling Fan	s:							
Cooling Heating Venting	[] Ja [X] Ja [] Ja	an [X] 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	[] Dec [X] Dec [] Dec
		ule: HERS 200				_		ours _					
Schedule ⁻			1		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 (V	VD)	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 (V	VEH)	AM PM	66 68		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	S	pace		
De	efault(8 ll	bs/sq.ft.		0 ft²		0 ft		0.3			Main		