## FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

				1							
Project Name: S	SouthTrust Brewer		Builder Name: South Trust								
Street:											
-	FL,		Permit Number:								
	Brewer Res			to Zono (2)							
Design Location: F	L, Gainesville		Permit Office: Permit Number: Jurisdiction: County: Alachua (Florida Climate Zone 2)  Plans)  9. Wall Types (1098.0 sqft.) a. Frame - Wood, Exterior b. N/A c. N/A c. N/A d. N/A c. N/A d. N/A c. N/C								
New construction or	existing	New (From Plans)	9. Wall Types (1098.0 sqft.)	Insulation Area							
Single family or mult	tiple family	Single-family	a. Frame - Wood, Exterior	R=13.0 1098.00 ft <sup>2</sup>							
3. Number of units, if n		1									
				· ·							
Number of Bedroom		1									
5. Is this a worst case?	?	No									
<ol><li>Conditioned floor are</li></ol>	ea above grade (ft²)	900									
Conditioned floor are	ea below grade (ft²)	0									
7. Windows(147.3 sqf	t.) Description	Area									
a. U-Factor:	Sgl, U=0.34	147.33 ft <sup>2</sup>	' ' '								
SHGC:	SHGC=0.29		40. On all an acceptance	LDtreller FW's 's reserve							
b. U-Factor:	N/A	ft²									
SHGC:	N1/A	60	a. Ochtai Omt	24.2 GEER. 10.00							
c. U-Factor: SHGC:	N/A	π²	40. Haadan ayatana	LDtreller FW's 's reserve							
d. U-Factor:	N/A	ft2									
SHGC:	14// (	"	a. Liectific Fleat Fulfip	22.0 11311.9.50							
Area Weighted Avera	age Overhang Dept	h: 1.500 ft.									
Area Weighted Avera	age SHGC:	0.290	· · · · · · · · · · · · · · · · · · ·	O and OO mallage							
8. Floor Types (900.0	sqft.)	Insulation Area	a. Electric								
a. Slab-On-Grade Ed	dge Insulation	R=0.0 900.00 ft <sup>2</sup>	b. Conservation features	L1 . 0.320							
b. N/A			None								
c. N/A		R= ft <sup>2</sup>	15. Credits	CF, Pstat							
		Total Proposed Mo	dified Loads: 25.60								
Glass/Floor Area:	0.164	•		PASS							
		Total Base	line Loads: 30.71								
I hereby certify that t	he plans and spe	cifications covered by	Review of the plans and	OF THE STATE							
this calculation are in	n compliance with	the Florida Energy		2							
Code.			•	8 100							
				A MILLION							
				B 5							
DATE											
I hereby certify that t	hie huilding ae de	esigned, is in compliance									
with the Florida Ener		ssignicu, is in compliance		COD WE TRUS							
				4400000000							
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).

				PROJE	CT							
Title: Building Type: Owner Name: # of Units: Builder Name: Permit Office: Jurisdiction: Family Type: New/Existing: Comment:	SouthTrust Brev User Brewer Res 1 South Trust Single-family New (From Plan		Bedrooms: Conditione Total Storic Worst Cas Rotate Ang Cross Ven Whole Hou	d Area: es: e: gle: tilation:	1 900 1 No 0		Lot # Block PlatE Stree Cour	k/Subdivi: Book: et:	sion: Ala	reet Addre	ss	
				CLIMA	TE							
	sign Location , Gainesville	TMY Site	E_REGI	97	esign Temp .5 % 2.5 % 32 92		esign Tem er Summ 75	ner Deg	leating ree Days	Design Moisture 51	e Ra	Temp nge edium
				BLOC	KS							
Number	Name	Area	Volume									
1	Block1	900	8100									
				SPAC	ES							
Number	Name	Area	Volume ł	Kitchen	Occupants	Bedroo	oms l	nfil ID	Finished	l Cool	ed	Heated
1	Main	900	8100	Yes	1	1	1		Yes	Yes		Yes
				FLOO	RS							
√ # 1 Sla	Floor Type ab-On-Grade Edge	Space Insulatio M	Perii ain 122	meter ft	R-Value 0	Area 900 ft <sup>2</sup>				Tile Woo	od Ca	rpet 56
				ROO	F							
<b>/</b> #	Туре	Materials	Roof Area	Gable Area		Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
1	Gable or shed	Composition shing	gles 1042 ft²	262 ft	<sup>2</sup> Medium	N	0.96	No	0.9	No	0	30.3
				ATTI	С							
√ #	# Type Ventila		entilation Vent		o (1 in)	Area RBS		IRCC				
1	Full attic	Ven	ted	300	)	900 ft²	N	1	N			
				CEILI	NG							
√ #	Ceiling Type		Space	R-Value	e Ins Ty	рe	Area	Fran	ning Frac			
1	Under Attic (Ver	nted)	Main	38	Blown	1	900 ft <sup>2</sup>		0.11 Wood			

## **INPUT SUMMARY CHECKLIST REPORT**

						W	ALLS							
V #	Ornt		acent	/all Type	Space	Cavity e R-Value	Wid	th In	Height Ft In	Area	Sheathing R-Value	g Framing Fraction		Below Grade?
1	N	Exte		Frame - Wood	Main		36		9	324.0 ft <sup>2</sup>		0.111	0.150000	
2	Е	Exte	rior I	Frame - Wood	Main	13	25		9	225.0 ft <sup>2</sup>		0.111	0.15000	0 0
3	S	Exte	rior I	Frame - Wood	Main	13	36		9	324.0 ft <sup>2</sup>		0.111	0.15000	0 0
4	W	Exte	rior I	Frame - Wood	Main	13	25		9	225.0 ft <sup>2</sup>		0.111	0.15000	0 0
						DC	ORS							
$\vee$	#	(	Ornt	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 2	20 ft²
	2		S	Insulated	Main			None	.46	1		6	8 6	.7 ft <sup>2</sup>
					Orientation sh		DOWS		d ariantation					
,		١٨	'all		Onemation si	own is the e	niereu, r	Toposec	onentation		rhong			
$\checkmark$	#		alı D Frai	me Panes	NFRC	U-Factor	SHGC	Imp	Area		rhang Separation	Int Sh	ade S	Screenin
	1		1 Vir	ıyl Low-E Single		0.34	0.29	 N	60.0 ft <sup>2</sup>	1 ft 6 in	1 ft 6 in	Drapes/		None
	2	E :	2 Vir	-		0.34	0.29	N	15.0 ft <sup>2</sup>	1 ft 6 in	1 ft 6 in	Drapes/	blinds	None
	3	S :	3 Vir	yl Low-E Single	Yes	0.34	0.29	N	9.0 ft <sup>2</sup>	1 ft 6 in	1 ft 6 in	Drapes/	blinds	None
	4	S :	3 Vir	-	Yes	0.34	0.29	N	33.3 ft <sup>2</sup>	1 ft 6 in	1 ft 6 in	Drapes/		None
	5	W	4 Vir	yl Low-E Single	Yes	0.34	0.29	N	30.0 ft <sup>2</sup>	1 ft 6 in	1 ft 6 in	Drapes/	blinds	None
						INFILT	RATIO	N						
<b>‡</b>	Scope		Metho	od	SLA	CFM 50	ELA	E	EqLA	ACH	AC	H 50		
l Wh	nolehous	se P	roposed	ACH(50)	.000286	675	37.06	6	69.69	.1128		5		
						HEATING	G SYS	TEM						
$\sqrt{}$	#	Syste	m Type		Subtype			Efficience	cy (	Capacity			Block	Ducts
	1	-	ic Heat	Pump/	None			HSPF:9	_	2 kBtu/hr			1	sys#1
						COOLIN	G SYS	TEM						
$\sqrt{}$	#	Syste	m Type		Subtype			Efficiency	y Capac	ity A	ir Flow	SHR	Block	Ducts
	. 1	Centr	al Unit/		None			SEER: 1	5 24.2 kBt	u/hr 72	26 cfm (	).75	1	sys#1
					ŀ	TAW TOF	ER SY	STEM						
$\sqrt{}$	#	Sys	tem Typ	e SubType	Location	EF	Ca	р	Use	SetPnt		Conse	ervation	
	1		ctric	None	Main	0.92	30 g	•	40 gal	120 de			one	

## **INPUT SUMMARY CHECKLIST REPORT**

				S	OLAR HO	T WATER	SYST	ЕМ						
$\vee$	FSEC Cert #	Company	Name	System Model #			С	Collector Model #				Storage Volume		
	None	None								ft²				
						DUCTS								
$\checkmark$	#		pply R-Value Area	 Locat	Return on Area	Leaka	ge Type	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HV. Heat	AC # Cool
	1	Attic	6 180 ft <sup>2</sup>	Attio	45 ft <sup>2</sup>	Default	Leakage	Main	(Default)	(Default)			1	1
					TEM	IPERATUI	RES							
Program	nable Ther	mostat: Y			Ceiling Fan	ıs:								
Cooling Heating Venting	[ ] Jar [X] Jar [ ] Jar	n []Feb n [X]Feb n []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	[ ] C	Oct Oct Oct	[ ] Nov [X] Nov [X] Nov	[x]	Dec Dec Dec
Thermosta		le: HERS 20	006 Reference					ours						
Schedule 1	Туре		1	2	3 4	5	6	7	8	9	10	11	1	12
Cooling (V	VD)	AM PM	78 80	78 7 80 7	78 78 78	78 78	78 78	78 78	78 78	80 78	80 78	80 78	<u> </u>	30 78
Cooling (V	VEH)	AM PM	78 78	78 7 78 7	78 78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	<u> </u>	78 78
Heating (V	VD)	AM PM	66 68	66 6 68 6	66 66 68 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	6	68 66
Heating (V	VEH)	AM PM	66 68		66 66 8 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	6	68 66
						MASS								
M	ass Type			Area		Thickness		Furniture Fra	ction	Spa	ace			
De	efault(8 lbs	s/sq.ft.		0 ft²		0 ft		0.3		1	Main			