

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: SouthTrust Brewer
 Street:
 City, State, Zip: , FL ,
 Owner: Brewer Res
 Design Location: FL, Gainesville

Builder Name: South Trust
 Permit Office:
 Permit Number:
 Jurisdiction:
 County: Alachua (Florida Climate Zone 2)

1. New construction or existing	New (From Plans)	
2. Single family or multiple family	Single-family	
3. Number of units, if multiple family	1	
4. Number of Bedrooms	1	
5. Is this a worst case?	No	
6. Conditioned floor area above grade (ft ²)	900	
Conditioned floor area below grade (ft ²)	0	
7. Windows(147.3 sqft.)	Description	Area
a. U-Factor:	Sgl, U=0.34	147.33 ft ²
SHGC:	SHGC=0.29	
b. U-Factor:	N/A	ft ²
SHGC:		
c. U-Factor:	N/A	ft ²
SHGC:		
d. U-Factor:	N/A	ft ²
SHGC:		
Area Weighted Average Overhang Depth:		1.500 ft.
Area Weighted Average SHGC:		0.290
8. Floor Types (900.0 sqft.)	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	900.00 ft ²
b. N/A	R=	ft ²
c. N/A	R=	ft ²

9. Wall Types (1098.0 sqft.)	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	1098.00 ft ²
b. N/A	R=	ft ²
c. N/A	R=	ft ²
d. N/A	R=	ft ²
10. Ceiling Types (900.0 sqft.)	Insulation	Area
a. Under Attic (Vented)	R=38.0	900.00 ft ²
b. N/A	R=	ft ²
c. N/A	R=	ft ²
11. Ducts	R	ft ²
a. Sup: Attic, Ret: Attic, AH: Main	6	180
12. Cooling systems	kBtu/hr	Efficiency
a. Central Unit	24.2	SEER:15.00
13. Heating systems	kBtu/hr	Efficiency
a. Electric Heat Pump	22.0	HSPF:9.50
14. Hot water systems		
a. Electric	Cap: 30 gallons	
	EF: 0.920	
b. Conservation features		
None		
15. Credits		CF, Pstat

Glass/Floor Area: 0.164

Total Proposed Modified Loads: 25.69

Total Baseline Loads: 30.71

PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY: ABZ (Tight Seal Inc)DATE: 1/26/21

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT: _____

DATE: _____

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: _____

- 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).