

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method


Project Name:	-FALLS AT PARKLAND M-ANDROS(R) L7B3	Builder Name:	RYAN HOMES
Street:	LOT: 7 BLK: 3	Permit Office:	
City, State, Zip:	PARKLAND, FL,	Permit Number:	V7.5.00
Owner:	RYAN HOMES	Jurisdiction:	161000
Design Location:	FL, HOLLYWOOD_FORT_LAUDERDALE_INT	County:	Broward(Florida Climate Zone 1)

1. New construction or existing	New (From Plans)	10. Wall Types(2901.7 sqft.)	Insulation	Area
2. Single family or multiple family	Detached	a. Concrete Block - Int Insul, Exterior	R=4.1	2683.00 ft ²
3. Number of units, if multiple family	1	b. Frame - Steel, Adjacent	R=4.1	218.67 ft ²
4. Number of Bedrooms	3	c. N/A		
5. Is this a worst case?	No	d. N/A		
6. Conditioned floor area above grade (ft ²)	2481	11. Ceiling Types(2481.0 sqft.)	Insulation	Area
Conditioned floor area below grade (ft ²)	0	a. Flat ceiling under att (Vented)	R=30.0	2481.00 ft ²
7. Windows(440.6 sqft.)	Description	Area		
a. U-Factor:	Sgl, U=1.04	241.00 ft ²		
SHGC:	SHGC=0.29			
b. U-Factor:	Sgl, U=0.99	103.56 ft ²		
SHGC:	SHGC=0.33			
c. U-Factor:	Sgl, U=1.11	96.00 ft ²		
SHGC:	SHGC=0.27			
Area Weighted Average Overhang Depth:	3.930 ft	12. Roof(Barrel tile, Vented)	Deck R=0.0	2615 ft ²
Area Weighted Average SHGC:	0.295	13. Ducts, location & insulation level	R	ft ²
8. Skylights	Description	Area		
U-Factor:(AVG)	N/A	N/A ft ²		
SHGC(AVG):	N/A			
9. Floor Types	Insulation	Area		
a. Slab-On-Grade Edge Insulation	R= 0.0	2481.00 ft ²		
b. N/A	R=	ft ²		
c. N/A	R=	ft ²		
			14. Cooling Systems	kBtu/hr Efficiency
			a. Central Unit	51.2 SEER2:16.00
			15. Heating Systems	kBtu/hr Efficiency
			a. Electric Strip Heat	34.0 COP:1.00
			16. Hot Water Systems	
			a. Natural GasTankless	Cap: 1 gallons
			b. Conservation features	EF: 0.940
			17. Credits	None
				Pstat

Glass/Floor Area: 0.178 Total Proposed Modified Loads: 111.68
 Total Baseline Loads: 121.82

PASS

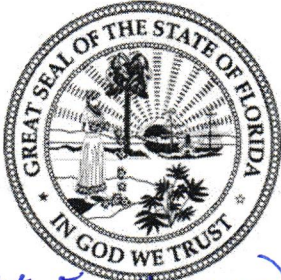
I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY:  Digitally signed by Rene Alvarez
 DATE: _____ Date: 2023.06.05 14:59:59 -04'00'

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

OWNER/AGENT: _____
 DATE: _____ 6/7/23

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: Wyatt T. Haygood
 DATE: 6-22-23

- 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.
- Default duct leakage does not require a Duct Leakage Test Report.
- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires a PERFORMANCE envelope leakage test report with envelope leakage no greater than 7.00 ACH50 (R402.4.1.2).