

**FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION**

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Street: City, State, Zip:     North Port, FL, Owner: Design Location:     FL, Sarasota	Builder Name: Permit Office:     North Port Permit Number: Jurisdiction:     681100 County:     Sarasota(Florida Climate Zone 2)
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1. New construction or existing     New (From Plans) 2. Single family or multiple family     Detached 3. Number of units, if multiple family     1 4. Number of Bedrooms     3 5. Is this a worst case?     No 6. Conditioned floor area above grade (ft²)     1437 Conditioned floor area below grade (ft²)     0 7. Windows(179.8 sqft.)     Description     Area a. U-Factor:     Dbl, U=0.33     76.48 ft² SHGC:     SHGC=0.22 b. U-Factor:     Dbl, U=0.35     53.60 ft² SHGC:     SHGC=0.25 c. U-Factor:     Dbl, U=0.33     49.76 ft² SHGC:     SHGC=0.19 Area Weighted Average Overhang Depth:     4.550 ft Area Weighted Average SHGC:     0.221 8. Skylights     Description     Area U-Factor:(AVG)     N/A     N/A ft² SHGC(AVG):     N/A 9. Floor Types     Insulation     Area a. Slab-On-Grade Edge Insulation     R= 0.0     1437.00 ft² b. N/A     R=     ft² c. N/A     R=     ft²	10. Wall Types(1294.9 sqft.)     Insulation     Area a. Concrete Block - Int Insul, Exterior     R=4.1     1114.00 ft² b. Frame - Wood, Adjacent     R=11.0     180.88 ft² c. N/A d. N/A 11. Ceiling Types(1437.0 sqft.)     Insulation     Area a. Flat ceiling under att (Vented)     R=30.0     1323.00 ft² b. Knee wall to attic (Vented)     R=30.0     114.00 ft² c. N/A 12. Roof(Comp. Shingles, Vented) Deck R=0.0     1557 ft² 13. Ducts, location & insulation level     R     ft² a. Sup: Attic, Ret: Attic, AH: Garage     6     287 b. c. 14. Cooling Systems     kBtu/hr     Efficiency a. Central Unit     26.0     SEER2:14.30  15. Heating Systems     kBtu/hr     Efficiency a. Electric Heat Pump     26.0     HSPF2:7.50  16. Hot Water Systems a. Electric     Cap: 50 gallons UEF: 0.935 b. Conservation features None CF, Pstat 17. Credits
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Glass/Floor Area: 0.125

Total Proposed Modified Loads: 39.84

Total Baseline Loads: 46.21

**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

 MSIOIP  
 Date: 2023.06.16  
 09:49:22 -04'00'

DATE: \_\_\_\_\_

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 with a proposed duct leakage Qn requires a PERFORMANCE Duct Leakage Test Report confirming duct leakage to outdoors, tested in accordance with ANSI/RESNET/ICC 380, is not greater than 0.030 Qn for whole house.

- 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).