

# FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

<p>Project Name: McGriff Residence</p> <p>Street:</p> <p>City, State, Zip: , FL ,</p> <p>Owner:</p> <p>Design Location: FL, Gainesville</p>	<p>Builder Name: Stanley Crawford Const</p> <p>Permit Office:</p> <p>Permit Number:</p> <p>Jurisdiction:</p> <p>County: columbia (Florida Climate Zone 2 )</p>
---	--

  

<p>1. New construction or existing      New (From Plans)</p> <p>2. Single family or multiple family      Single-family</p> <p>3. Number of units, if multiple family      1</p> <p>4. Number of Bedrooms      3</p> <p>5. Is this a worst case?      No</p> <p>6. Conditioned floor area above grade (ft²)      1670</p> <p>    Conditioned floor area below grade (ft²)      0</p> <p>7. Windows(175.0 sqft.)      Description      Area</p> <p>    a. U-Factor:      Dbl, U=0.33      175.00 ft²</p> <p>        SHGC:      SHGC=0.22</p> <p>    b. U-Factor:      N/A      ft²</p> <p>        SHGC:</p> <p>    c. U-Factor:      N/A      ft²</p> <p>        SHGC:</p> <p>    d. U-Factor:      N/A      ft²</p> <p>        SHGC:</p> <p>    Area Weighted Average Overhang Depth:      5.614 ft.</p> <p>    Area Weighted Average SHGC:      0.220</p> <p>8. Floor Types (1670.0 sqft.)      Insulation      Area</p> <p>    a. Slab-On-Grade Edge Insulation      R=0.0      1670.00 ft²</p> <p>    b. N/A      R=      ft²</p> <p>    c. N/A      R=      ft²</p>	<p>9. Wall Types (1618.0 sqft.)      Insulation      Area</p> <p>    a. Frame - Wood, Exterior      R=13.0      1618.00 ft²</p> <p>    b. N/A      R=      ft²</p> <p>    c. N/A      R=      ft²</p> <p>    d. N/A      R=      ft²</p> <p>10. Ceiling Types (1670.0 sqft.)      Insulation      Area</p> <p>    a. Under Attic (Vented)      R=30.0      1670.00 ft²</p> <p>    b. N/A      R=      ft²</p> <p>    c. N/A      R=      ft²</p> <p>11. Ducts      R      ft²</p> <p>    a. Sup: Attic, Ret: Attic, AH: Main      6      334</p> <p>12. Cooling systems      kBtu/hr      Efficiency</p> <p>    a. Central Unit      30.0      SEER:15.00</p> <p>13. Heating systems      kBtu/hr      Efficiency</p> <p>    a. Electric Heat Pump      30.0      HSPF:8.50</p> <p>14. Hot water systems</p> <p>    a. Propane      Cap: 40 gallons</p> <p>    b. Conservation features      EF: 0.590</p> <p>        None</p> <p>15. Credits      CF, Pstat</p>
--	--

  

Glass/Floor Area: 0.105	Total Proposed Modified Loads: 50.99	<h1 style="margin: 0;">PASS</h1>
	Total Baseline Loads: 50.84	

  

<p>I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.</p> <p>PREPARED BY: </p> <p>DATE: 11-4-20</p> <p>I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.</p> <p>OWNER/AGENT: </p> <p>DATE: 11/30/2020</p>	<p>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.</p> <div style="text-align: center;"> </div> <p>BUILDING OFFICIAL: _____</p> <p>DATE: _____</p>
--	---

- 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).

# ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX\* = 100

The lower the Energy Performance Index, the more efficient the home.

1. New home or, addition	1. <u>New (From Plans)</u>	12. Ducts, location & insulation level	
2. Single-family or multiple-family	2. <u>Single-family</u>	a) Supply ducts	R <u>6.0</u>
3. No. of units (if multiple-family)	3. <u>1</u>	b) Return ducts	R <u>6.0</u>
4. Number of bedrooms	4. <u>3</u>	c) AHU location	Main
5. Is this a worst case? (yes/no)	5. <u>No</u>	13. Cooling system:	Capacity <u>30.0</u>
6. Conditioned floor area (sq. ft.)	6. <u>1670</u>	a) Split system	SEER <u>        </u>
7. Windows, type and area		b) Single package	SEER <u>        </u>
a) U-factor:(weighted average)	7a. <u>0.330</u>	c) Ground/water source	SEER/COP <u>        </u>
b) Solar Heat Gain Coefficient (SHGC)	7b. <u>0.220</u>	d) Room unit/PTAC	EER <u>        </u>
c) Area	7c. <u>175.0</u>	e) Other	<u>15.0</u>
8. Skylights		14. Heating system:	Capacity <u>30.0</u>
a) U-factor:(weighted average)	8a. <u>NA</u>	a) Split system heat pump	HSPF <u>        </u>
b) Solar Heat Gain Coefficient (SHGC)	8b. <u>NA</u>	b) Single package heat pump	HSPF <u>        </u>
9. Floor type, insulation level:		c) Electric resistance	COP <u>        </u>
a) Slab-on-grade (R-value)	9a. <u>0.0</u>	d) Gas furnace, natural gas	AFUE <u>        </u>
b) Wood, raised (R-value)	9b. <u>        </u>	e) Gas furnace, LPG	AFUE <u>        </u>
c) Concrete, raised (R-value)	9c. <u>        </u>	f) Other	<u>8.50</u>
10. Wall type and insulation:		15. Water heating system	
A. Exterior:		a) Electric resistance	EF <u>        </u>
1. Wood frame (Insulation R-value)	10A1. <u>13.0</u>	b) Gas fired, natural gas	EF <u>        </u>
2. Masonry (Insulation R-value)	10A2. <u>        </u>	c) Gas fired, LPG	EF <u>0.59</u>
B. Adjacent:		d) Solar system with tank	EF <u>        </u>
1. Wood frame (Insulation R-value)	10B1. <u>        </u>	e) Dedicated heat pump with tank	EF <u>        </u>
2. Masonry (Insulation R-value)	10B2. <u>        </u>	f) Heat recovery unit	HeatRec% <u>        </u>
11. Ceiling type and insulation level		g) Other	
a) Under attic	11a. <u>30.0</u>	16. HVAC credits claimed (Performance Method)	
b) Single assembly	11b. <u>        </u>	a) Ceiling fans	<u>        </u>
c) Knee walls/skylight walls	11c. <u>        </u>	b) Cross ventilation	<u>No</u>
d) Radiant barrier installed	11d. <u>No</u>	c) Whole house fan	<u>No</u>
		d) Multizone cooling credit	<u>        </u>
		e) Multizone heating credit	<u>        </u>
		f) Programmable thermostat	<u>Yes</u>

\*Label required by Section R303.1.3 of the Florida Building Code, Energy Conservation, if not DEFAULT.

I certify that this home has complied with the Florida Building Code, Energy Conservation, through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL display card will be completed based on installed code compliant features.

Builder Signature: Stanley Crisp Date: 11/30/2020  
 Address of New Home: 1558 SE CR 349 City/FL Zip: Lake City, FL