GIVE TO CONTRACTOR

Florida Building Code, Energy Conservation

Residential Building Thermal Envelope Approach

FORM R402-2017 **R-Value Computation Method** **Florida Climate Zone ___**

Scope: Compliance with Section R402.1.2 of the *Florida Building Code, Energy Conservation*, shall be demonstrated by the use of Form R402 for single- and multiple-family residences of three stories or less in height, additions to existing residential buildings, alterations, renovations, and building systems in existing buildings, as applicable. To comply, a building must meet or exceed all of the energy efficiency requirements on Table R402A and all applicable mandatory requirements summarized in Table R402B of this form. If a building does not comply with this method, or by the UA Alternative method, it may still comply under Section R405 of the *Florida Building Code, Energy Conservation*.

PROJECT NAME: AND ADDRESS:	Larry Fleming 331 NW Gables GLN Lake City, Fla. 32055	BUILDER:	Dion Taylor Construction Inc.
		PERMITTING OFFICE:	
		JURISDICTION NUMBER:	
OWNER:	Larry Fleming	PERMIT NUMBER:	

General Instructions:

1. Fill in all the applicable spaces of the "To Be Installed" column on Table R402A with the information requested. All "To Be Installed" values must be equal to or more efficient than the required levels.
2. Complete page 1 based on the "To Be Installed" column information.
3. Read the requirements of Table R402B and check each box to indicate your intent to comply with all applicable items.
4. Read, sign and date the "Prepared By" certification statement at the bottom of page 1. The owner or owner's agent must also sign and date the form.

			Check!
1.	New construction, addition, or existing building	1. New Construction	X
2.	Single-family detached or multiple-family attached	2. Single-family	X
3.	If multiple-family, number of units covered by this submission	3.	
4.	Is this a worst case? (yes/no)	4. Yes	X
5.	Conditioned floor area (sq. ft.)	5. 2800	X
6.	Windows type and area:		
	a) U-factor:	6a. NR	X
	b) Solar Heat Gain Coefficient (SHGC):	6b.	
	c) Area:	6c. ~~NR~~ 4.1	X
7.	Skylights, type and area:		
	a) U-factor:	7a.	
	b) Solar Heat Gain Coefficient (SHGC):	7b.	
	c) Skylight area:	7c.	
8.	Floor type, area or perimeter, and insulation:(Total exposed area = 0 sqft)		
	a) Slab-on-grade (R-value)	8a. NR	X
	b) Wood, raised (R-value)	8b.	
	c) Wood, common (R-value)	8c.	
	d) Concrete, raised (R-value)	8d.	
	e) Concrete, common (R-value)	8e.	
9.	Wall type, area and insulation:(Total exposed area = 0 sqft)		
	a) Exterior: 1. Wood frame (Insulation R-value)	9a1. R-13	X
	2. Masonry (Insulation R-value)	9a2.	
	b) Adjacent: 1. Wood frame (Insulation R-value)	9b1.	
	2. Masonry (Insulation R-value)	9b2.	
10.	Ceiling type, area and insulation(Total exposed area = 0 sqft)		
	a) Attic (Insulation R-value)	10a. R-30	X
	b) Single assembly (Insulation R-value)	10b.	
11.	Air distribution system:		
	a) Duct location, insulation	11a. Attic , R-8 cfm/100 s.f.	Yes / No
	b) AHU location	11b.	
	c) Total Duct Leakage, Test report attached	11c.	
12.	Cooling system: a) type:	12a. Heat pump	X
	b) efficiency	12b. 15 Seer	X
13.	Heating system: a) type:	13a. Heat pump	X
	b) efficiency	13b. 9.0	X
14.	HVAC sizing calculation: attached	14. **Verify attachment**	Yes / No
15.	Water heating system: a) type	15a. Electric	X
	b) efficiency	15b. 0.945	X

I hereby certify that the plans and specifications covered by this form are in compliance with the *Florida Building Code, Energy Conservation*.
PREPARED BY: Dion Taylor Date 02/20/2023
I hereby certify that this building is in compliance with the *Florida Building Code, Energy Conservation*.
OWNER/AGENT: _____ Date 2-20-2023

Review of plans and specifications covered by this form indicate compliance with the *Florida Building Code, Energy Conservation* Before construction is complete, this building will be inspected for compliance in accordance with Section 553.908, F.S.
CODE OFFICIAL: _____ Date _____

DATE: ___/___/_____