#### Staff comments

### **Ekotrope Comments**

#### General Info:

Residence Type -

Remove "Mobile home." Mobile home falls outside the scope of the FBC.

Limit townhouse/apartment to 3 – floors or less.

Update: We have implemented the following two QA Checks to address this item. Please see the screenshots below:

## R101.2

Scope: Residential Buildings

Mobile homes are not eligible under the Florida Building Code 2023.



## R101.2

Scope: Residential Buildings

Multifamily buildings with more than 3 floors are not eligible under the Florida Building Code 2023.



### Florida 2023 Performance Compliance – R405

- Add as a title "Florida Energy Code for Building Construction/Residential Compliance Method"
- Add Form # FORM R405 2023 to the title.
- The form should indicate "Residence type"

Update: This is in progress, we hope to have it implemented by tomorrow.

Certification – should be to the FBC – Energy Conservation and not the IECC.

**Update: This is in progress, we hope to have it implemented by tomorrow.** 

### Signature -

- Change Name to "Prepared By"
- Add a signature block for BO review

**Update: This is in progress, we hope to have it implemented by tomorrow.** 

#### Florida 2023 Reference Home Summary

#### General Building Information

- Climate Zone should reference the FEC.

**Update: This has been implemented.** 

# General Building Inform

Number Of Bedrooms: 3

Conditioned Floor Area [sq. ft.]:

Unconditioned, attached garage

Total Units in Building: 1

Number of Floors in Building: N

Model: STELLAR SLB BD3 94I

FEC Climate Zone: Z2

### Distribution System

Leakage default – should reference the FBC default leakage

**Update: This has been implemented.** 

Distribution System		
Distribution Type	Forced Air	
Heating Equipment	Air-source heat pump (2)	
Cooling Equipment	Air-source heat pump (2)	
Is All Equipment In Conditioned Space	Yes	
Leakage Default	FBC Default Leakage	
Duct System Efficiency	0.88	

#### Appliances & Notes

Remove or suppress – Clothes Dryer, Clothes Washer info. regarding range/oven/refrigerator – not code requirements

Update: This has been implemented and no longer appears in the Reference Home Summary Report.

### Florida 2023 Proposed Home Summary

### General Building Information

- Climate Zone should reference the FEC.

**Update: This has been implemented.** 

# General Building I

Number Of Bedrooms: 3

Conditioned Floor Area [s

Unconditioned, attached

Total Units in Building: 1

Number of Floors in Build

Model: STELLAR SLB B

FEC Climate Zone: Z2

Equipment Type – Air conditioner/Electric – Should be SEER2

Update: This has been implemented. Please see screenshot below.

## R403.7.1

## **Equipment Efficiencies**

Cooling equipment must have a SEER2 rating.



#### **Distribution System**

- Leakage default should reference the FBC default leakage
- Remove or suppress Clothes Dryer, Clothes Washer info. regarding range/oven/refrigerator

**Update: These have been implemented.** 

Duct Leakage Test Report and Envelop Leakage Test Report

Testing company -

Add – Signature of Tester, Date of Test, Printed Name of Tester

**Update: This has been implemented. Please see below:** 

Testing Company			
Company Name:	Phone:		
I hereby verify that the above duct leakage testing results ar	e in accordance with the Florida Building Code	requirements with the selected c	ompliance path as stated above, either the Presi
Signature of Tester:	Date of Test:		Printed Name of Tester:
License/Certification #:		Issuing Authority:	

#### Florida 2023 UA Compliance

Add title "Florida Building Code, Energy Conservation/Residential UA Alternative Compliance Method "

**Update: This is in progress, we hope to have it implemented by tomorrow.** 

Add – Project Name and Address, Owner, Permitting Office, Permit Number, Number of units, Conditioned floor area (see form R402-2023)

**Update: This is in progress, we hope to have it implemented by tomorrow.** 

Add – Equipment Requirements and Installed Values (see Form R402)

Update: This is in progress, we hope to have it implemented by tomorrow. At first, the R402-2023 report will be static. However, we will have it supported and integrated with our system in the next 2 weeks. Is this timeline acceptable?

Signature block should match the signature block for Form R402-2023

Update: This is in progress, we hope to have it implemented by tomorrow.

Air-handling units – not allowed in attic.

Update: This has been implemented. Please see example screenshot below.

# R403.3.6 Air-Handling Units

Air-Handling Units located in attics are subject to additional requirements. Please confirm that the requirements of Section R403.3.6 are met.



#### Other comments

On the some reports, like the Proposed Home Summary sheet, it references the IECC 2021 Climate Zones rather than the FBC.

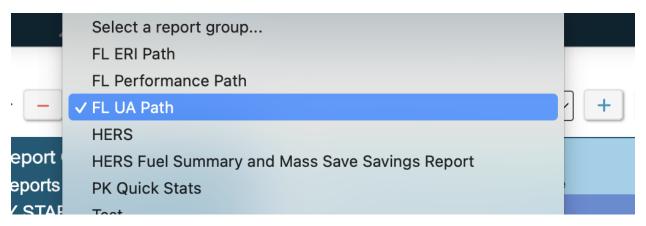
**Update: This has been implemented.** 

2) On the R405 print out. The Requirements lists Section R402.5. This section does not exist in the current Energy Code. Are they referencing R402.3.1 through R402.3.5?

Update: This has been implemented. R402.5 has been removed from the report and QA check. Fenestration requirements are handled elsewhere in the QA Checks.

3) Running the selected compliance method the should print out all relevant other reports. Such as the Building summary and mandatory requirements page.

Update: You can generate report groups to make this process seamless. The screenshot below shows the three report groups i've created for the three compliance pathways. These groups have been created in your accounts as well, so you can observe how they work.



We have also implemented a tooltip on the reports page to shed light on the requirements. Screenshot below:

des i mance Cor mpliance Downloading or emailing reports in this section will require a report credit or for this home to be registered with RESNET.

For Florida Energy Code 2023 reports, please create new report groups (at the top of this popup) for each of the Performance, Total UA, and ERI compliance paths.

For Performance compliance, please select the "Florida 2023 Performance Compliance", "Florida Energy Performance Label Display Card", "Florida 2023 Proposed Home Summary", "Florida 2023 Duct Leakage Test (Performance/ERI)", and "Florida 2023 Envelope Leakage Test (Performance/ERI)". For Prescriptive compliance, please select the "Florida 2023 UA Compliance", "Florida 2023 Proposed Home Summary", "Florida 2023 Duct Leakage Test (Prescriptive)", and "Florida 2023 Envelope Leakage Test (Prescriptive)". For ERI compliance, please select the "Florida 2023 ERI Compliance", "Florida 2023 Proposed Home Summary", "Florida 2023 Duct Leakage Test (Performance/ERI)", and "Florida 2023 Envelope Leakage Test (Performance/ERI)".

## Other Items: We have observed that Energy Gauge appears to rely on the user

generating a Manual J/S for this requirement: "HVAC system sizing and selection based on ACCA Manual S or per exceptions provided in Section R403.7"

It appears that homes in Energy Gauge can meet this item, no matter what capacity the system is modeled with. As a result, we have implemented the following checkbox to allow users to rely on Manual J/S for sizing compliance. Is this acceptable?

Florida Equipment Capacity Exception

Florida 2023 Shared Equipment Requirement [R403.8]

Florida 2023 Code Cool Roof Option

Florida 2023 Code Ceiling Fan Option

When signed and sealed by a Florida-registered engineer, in attached single- and multiple-family

units, the capacity of equipment may be sized in accordance with good design practice [R403.7.1.1],

OR for detached single family units, a Manual J calculation is supplied to comply with system sizing requirements.