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Please read through this **very important information** regarding your job:

To complete your RFI, we will use the minimum passing values for FLORIDA ENERGY CODE (FBC) compliance. It is imperative to install these “assumed” component VALUES as MANDATED by the Energy Calculation submitted and signed by you.

PASSING THE FBC USING THE ALTERNATIVE PERFORMANCE METHOD – R405

WHAT IS THE TRADE OFF METHOD? FBC requires all homes to pass the Energy Code calculation. This intense algorithm allows us to ‘trade-off’ points when using inefficient components with higher efficiency components and balance the gross energy usage of your home, thus “passing” the calculation.

1. WHAT IF I MAKE CHANGES AFTER THE PERMIT IS APPROVED?

- a. Window SHGC and Ufactors can increase or decrease AC tonnage up to 30%.
- b. R-20 spray foam can decrease equipment and duct gain loads up to 20%

2. WHY is it critical to install according to the Energy Calc submitted or REVISE?

- a. Your home envelope components determine the ‘perfect’ size of your AC system when a proper Manual J heat load is prepared.
- b. Your AC system MUST be ‘right’ sized to avoid high humidity or dryness in your home.

3. OUR DESIGN CERTIFIES:

- a. We sign under Prepared by which states: I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida energy Code

4. YOU OR YOUR AGENT CERTIFIES:

- a. You (or Agent) sign: I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

5. YOUR BUILDER CERTIFIES:

- a. This home has complied with the FBC for Building Construction 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

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. To comply, a building must meet or exceed all of the energy efficiency requirements and applicable mandatory requirements summarized on this form(R402).

In summary the FBC was written with a Prescriptive requirement (Form R402)for all homes. It is stringent and does not apply to your average built home in South Florida. For this reason 95% of homes are designed with passing alternative method know as ALTERNATIVE PERFORMANCE METHOD – R405.

Should you defer from the permit approved Energy Calculation and change your window package (SHGC and U-factors) or other mandatory components, like R-values of insulation, equipment SEER2 or tonnage, STRAIGHT COOL VS HEAT PUMP used to pass the Energy Code, a revision fee will be passed on to you and more important these changes STILL need to be approved and a passing energy calculation must be resubmitted for revision.

As always, we strive to provide the best experience possible for our clients and we feel this improvement in our job scheduling will increase the success rate of expediting your project most efficiently.

Questions?? Please call 561-327-7272 or email your proposed changes to info@koenergydesign.com

ENERGY CALCS*HEAT LOADS*AC DRAWINGS*COMMERCIAL*RESIDENTIAL*RESNET HERS RATING - BLOWER DOOR TESTING

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