



Residential Energy Inspection Process

The residential energy inspection process shall involve a total of two (2) inspections, which should be called in the order as listed below:

1. **Insulation Energy Inspection (Pre Dry-Wall)**
2. **Final Energy Inspection**

Some of the typical items that will be reviewed and/or expected to be on the site include the following:

1. Insulation Energy Inspection / Pre Dry-Wall

The inspector shall conduct an inspection to ensure compliance of any of the following with approved plans and compliance report/worksheet:

- Verify R values for Wall Insulation
- Verify that duct joints are mastic or taped
- Verify that all envelope penetrations are caulked and sealed
- Verify that refrigerant lines have a minimum $\frac{3}{4}$ " of insulation
- Verify that duct insulation has a R-5 value
- Verify the R values for Ceiling Insulation
- Verify the U-Factors of Skylights, Glazing and Door U-Factors
- Verify that all recessed light fixtures meet one of the following requirements:

1. Type IC rated, manufactured with no penetrations between the inside of the recessed fixture and ceiling cavity and sealed or gasketed to prevent air leakage into the unconditional space.
2. Type IC or no IC-rated, installed inside a sealed box constructed from a minimum 0.5-inch thick gypsum wallboard or constructed from a pre-formed polymeric vapor barrier, or other air-tight assembly manufactured for this purpose, while maintaining clearances of not less than 0.5 inch from combustible material and not less than 3 inches from insulation material.

- Solar Heat Gain Coefficient (SHGC) of Glazing (**Max. 4**)

2. Final Energy Inspection

The inspector shall conduct a final inspection based on approved plans to include any of the following:

- Check HVAC equipment size and ratings, and thermostat controls
- Check attic insulation for correct R value
- Verify the U-Factors and SHGC of Doors