



Items Needed In Order To Process '09 Code Compliance or HERS Ratings:

- 1) Set of blueprints, preferably in PDF format, that show all floors and elevations, including window & door rough openings.
- 2) Address of house or building being constructed, including lot number if applicable.
- 3) Name of utility company serving electric and/or gas to the building.
- 4) Building Details, including:
 - a. Type of foundation walls (CMU, concrete, ICF, etc), thickness of wall & any board insulation on exterior and interior. *Ex: 8" thick concrete, with 2" foam board = R10*
 - b. Type, thickness, and length of any insulation on slab foundations exposed to grade. Also indicate whether insulation is installed vertically, horizontally, or both around the perimeter. *Ex: 2" thick foam board, vertical 2' below grade.*
 - c. Type of wall framing and thickness, including insulation type and expected R-value of wall. *Ex: 2x4 stud wall 16" OC, OSB sheathing, with blown fiberglass at R15 in wall cavities.*
 - d. Window & glass door type (casement, double-hung, etc), U-factor, and SHGC. *Ex: Casement .30/.25 U-factor/SHGC.*
 - e. Door type and U-factor, if known.
 - f. Ceiling framing type and spacing, including insulation type and expected R-value. *Ex: 2x4 truss 24" OC with 12" of cellulose insulation R45.*
- 5) HVAC Specifications, including:
 - a. Type of primary heating & cooling (gas with split A/C, heat pump, geo, etc)
 - b. Brand & model #'s, if available
 - c. Output of system in Kbtu's for heating & cooling (max outputs)
 - d. Duct insulation R-value and location of ducts (R8 in attic)
 - e. Efficiency Rating (95% AFUE, 14 SEER, 9 HSPF, 4 COP, 15 EER, etc)
 - f. Location of system in house (basement, garage, attic, etc)
 - g. Mechanical ventilation type and specs, if applicable (Energy Star exhaust fan, 1.5 Sone, 55 CFM continuous 24/7)
 - h. If multiple HVAC systems are installed, the above info is needed for all.

Once we receive all this information we can create a "projected rating" for the house and tell you whether or not it will pass the 2009 IECC, what the predicted HERS score will be, along with projected utility bills.

We can also show you different "scenarios" that you can do to get your building plan to pass, depending on your desired outcome. Contact Eric George at 502-509-5535 for more details.