

Interoffice Memo:

March 5, 2008

To: Cobb County Building, Mechanical, and Electrical Inspectors

The following International Energy Conservation Code residential requirements will be inspected during other routine inspections. Other IECC code requirements may also be inspected for at any time. The failure to identify code violations related to this document or any other code requirement does not relieve the builder/contractor of the responsibility to comply with all code requirements.

R-30 minimum ceiling/attic insulation verified by a certification listing the type, manufacturer and R-values of insulation. For blown or sprayed insulation (fiberglass and cellulose), the initial installed thickness, settled thickness, settled r-value, installed density, coverage area and number of bags installed shall be listed on the certification. For sprayed poly foam insulation, the installed thickness of the areas covered and r-value of installed thickness shall be listed on the certification. The insulation installer shall sign, date and post the certification in a conspicuous location in the attic in immediate area of the attic access. The thickness of blown in or sprayed roof/ceiling insulation shall be written in inches on markers that are installed at least one for every 300 sq. ft. throughout the attic space. The markers shall be affixed to the trusses or joists and marked with the minimum initial installed thickness with numbers a minimum of 1 inch in height. Each marker shall face the attic access opening.

Weather-stripped access doors and hatches/scuttle hole covers shall be insulated at a minimum R-19 value, **and disappearing pull down stairs** shall be insulated at a minimum R-3 value.

Building thermal envelope to be caulked, gasketed, weather-stripped or otherwise sealed with an air barrier material, suitable film or solid material:

- All joints, seams and penetrations
- Utility penetrations
- Knee walls
- Common walls between dwelling units

(Other requirements not previously listed that must be appropriately sealed)

- Building envelope plate
- Bottom plate and top plate
- Sealing siding to slab
- Shower and tub drain line
- Weather stripping and threshold installed on exterior doors
- Concealed chases sealed off
- Fireplace inserts
- Attic knee wall doors
- Combustion closet - room penetrations, threshold etc.

Recessed lighting installed in the building thermal envelope shall be sealed to limit air leakage between conditioned and unconditioned spaces by using IC-rated and labeled with enclosures that are sealed or gasketed to prevent air leakage to the ceiling cavity or unconditioned space or IC-rated and labeled as meeting ASTM E 283 when tested at 1.57 psi pressure differential with no more than 2.0 cfm of air movement from the conditioned space to the ceiling cavity.

Systems insulation on supply and return ducts in unconditioned attics and exterior locations shall be insulated to a minimum of R-8. All ducts in the exterior walls and/or crawl space shall meet a minimum of R-6. All ducts interior of the building envelope are not required to be insulated.