

# News from the Building Inspectors

## New Energy Inspection

With the start of our state wide Energy Conservation Code for 2012, we will also have a new inspection. Here is some history, during the framing inspections, the inspector checks the building thermal envelope for holes or penetrations to the outside to limit infiltration. All of these are required to be sealed. We check the sealing of the windows and doors at the insulation inspection. Now we will need to check

the drywall around the electrical boxes and any other penetration to the thermal envelope. The new inspection will need to be called in after the drywall has been hung and finished and before the electrician starts his trim out. Remember, this inspection is for the outside walls only.

The inspectors also have a quick guide to the 2012 Energy code. If you would like one, just ask your building in-

spector for a copy.

Please ASAP, read the new energy code—Chapter 4 is for residential and 5 is for commercial. The residential code is in effect now and the commercial will start in June 1.

**City Of  
Winston  
Salem/  
Forsyth  
County**

May 2012

**Special points of interest:**

- *Chapter 4*
- *Chapter 5*



## Energy Efficiency Certificate

To find the form please go to:

<http://www.cityofws.org/Home/Departments/Inspections/Articles/FormsAndFees>

### APPENDIX 1: RESIDENTIAL REQUIREMENTS

#### APPENDIX 1.1 Energy Efficiency Certificate (Section 401.9)

<b>ENERGY EFFICIENCY CERTIFICATE</b>	
<b>401.9</b>	
<b>Builder, Permit Holder or Registered Design Professional Print Name:</b>	
<b>Signature:</b>	
<b>Property Address:</b>	
<b>Date:</b>	
Insulation Rating - List the value covering largest area to all that apply	R-Value
<b>Ceiling/roof:</b>	R-
<b>Wall:</b>	R-
<b>Floor:</b>	R-
<b>Closed Crawl Space Wall:</b>	R-
<b>Closed Crawl Space Floor:</b>	R-
<b>Slab:</b>	R-
<b>Basement Wall:</b>	R-
<b>Fenestration:</b>	
<b>U-Factor</b>	
<b>Solar Heat Gain Coefficient(SHGC)</b>	
<b>Building Air Leakage</b>	
<input type="checkbox"/> <b>Visually inspected according to 402.4.2.1 OR</b>	
<input type="checkbox"/> <b>Building Air Leakage Test Results (Sec. 402.4.2.2)</b>	
<b>ACH50 [Target: 5.0]</b>	
<b>or CFM50/SFSA [Target: 0.30]</b>	
<b>Name of Tester / Company:</b>	
<b>Date:</b>	<b>Phone:</b>
<b>Ducts:</b>	
<b>Insulation</b>	R-
<b>Total Duct Leakage Test Result (Sect. 403.2.2) (CFM25 Total/100SF) [Target: 6]</b>	
<b>Name of Tester or Company:</b>	
<b>Date:</b>	<b>Phone:</b>
<b>Certificate to be displayed permanently</b>	

CITY OF WINSTON-SALEM Mayor: Allen Joiner City Council: Vivian H. Burke, Mayor Pro Tempore, Northeast Ward; Denise D. Adams, North Ward; Dan Besse, Southwest Ward; Robert C. Clark, West Ward; Molly Leight, South Ward; Wanda Merschel, Northwest Ward; Derwin L. Montgomery, East Ward; James Taylor, Jr., Southeast Ward City Manager: Lee Garrity  
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