



AIR BARRIER AND INSULATION INSPECTION VERIFICATION CHECKLIST

2009 International Energy Conservation Code as adopted by
The State of Alabama
&
The City of Decatur

Both the 2009 International Energy Conservation Code (2009 IECC) and 2009 International Residential Code (2009 IRC) allow two pathways to ensure building envelope tightness. The **implementation of one** of the two methods below meets code:

- 1. Testing option. A blower door test where the air leakage is less than seven air changes per hour at a pressure of 50 pascals.
- 2. Visual inspection option. Where **approved by the Building Official an approved party** shall inspect the air barrier and insulation.

The following checklist is used for compliance with method #2 and must be completed and signed by the approved party. See 2009 IECC Section 402.4.2.2 and 2009 IRC Section 1102.4 for all details for the visual inspection method.

ITEM	COMPONENT	CRITERIA	COMMENTS	DATE	INITIALS
1	Air barrier and thermal barrier	Exterior thermal envelope insulation for framed walls is installed in substantial contact and continuous alignment with building envelope air barrier. Breaks or joints in the air barrier are filled or repaired. Air-permeable insulation is not used as a sealing material. Air-permeable insulation is inside of an air barrier.			
2	Ceiling/attic	Air barrier in any dropped ceiling/soffit is substantially aligned with insulation and any gaps are sealed. Attic access (except unvented attic), knee wall door, or drop down stair is sealed.			
3	Walls	Corners and headers are insulated. Junction of foundation and sill plate is sealed.			
4	Windows and doors	Space between window/door jambs and framing is sealed.			
5	Rim joists	Rim joists are insulated and include an air barrier.			
6	Floors (including above-garage and cantilevered floors)	Insulation is installed to maintain permanent contact with underside of subfloor decking. Air barrier is installed at any exposed edge of insulation.			
7	Crawl space walls	Insulation is permanently attached to walls. Exposed earth in unvented crawl spaces is covered with Class I vapor retarder with overlapping joints taped.			
8	Shafts, penetrations	Duct shafts, utility penetrations, knee walls and flue shafts opening to exterior or unconditioned space are sealed.			
9	Narrow cavities	Batts in narrow cavities are cut to fit, or narrow cavities are filled by sprayed/blown insulation.			
10	Garage separation	Air sealing is provided between the garage and conditioned spaces.			
11	Recessed lighting	Recessed light fixtures are air tight, IC rated, and sealed to drywall. Exception—fixtures in conditioned space.			
12	Plumbing and wiring	Insulation is placed between outside and pipes. Batt insulation is cut to fit around wiring and plumbing, or sprayed/blown insulation extends behind piping and wiring.			
13	Shower/tub on exterior wall	Showers and tubs on exterior walls have insulation and an air barrier separating them from the exterior wall.			
14	Electrical/phone box on exterior walls	Air barrier extends behind boxes or air sealed-type boxes are installed.			
15	Common wall	Air barrier is installed in common wall between dwelling units.			
16	HVAC register boots	HVAC register boots that penetrate building envelope are sealed to subfloor or drywall.			
17	Fireplace	Fireplace walls include an air barrier.			

This checklist is for building air barrier and building insulation only. **Does not** include HVAC equipment and duct.

Approved Party Certification:

The undersigned certifies that he/she has been approved by the Local Building Official to perform a visual inspection of the components listed above on the property located at _____.

The Approved Party above does certify that the criteria listed for each component, initialed by the Approved Party, above has been met and appears to meet the requirements of the Alabama Energy and Residential Code.

Approved Party Print Name: _____

Approved Party Signature: _____

Date: _____

Permit Number: _____

State of Alabama Licensed Homebuilder Print Name: _____

State of Alabama Licensed Homebuilder Signature: _____

Date: _____