

Air Sealing and Insulation checklist

In the absence of a blower door test, the 2009 IEC requires that air sealing and insulation be visually inspected in accordance with Table 402.4.2. Below is a required checklist to be filled out by the general contractor or homeowner (if homeowner exemption taken). **The completed checklist must be submitted to the building inspector before a Certificate of Occupancy is issued.**

Component	Criteria	√	NA
Air barrier* and thermal barrier	Exterior thermal envelope insulation for framed walls is installed in substantial contact and continuous alignment with building envelope and 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 air barrier		
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		
Walls	Corners and headers are insulated		
	Junction of foundation and sill plate is sealed		
Windows and doors	Space between window/door jambs and framing is sealed		
Rim joists	Rim joists are insulated and include an air barrier.		
Floors(including above-garage and cantilevers)	Insulation is installed to maintain permanent contact with underside of subfloor decking. Air barrier is installed at any exposed edge of insulation		
Crawl space walls	Insulation is permanently attached to walls		

Component	Criteria	v	NA
	Exposed earth in unvented crawl spaces is covered with Class I vapor retarder with overlapping joints taped		
Shafts, penetrations	Duct shafts, utility penetrations, knee walls and flue shafts opening to exterior or unconditioned space are sealed		
Narrow cavities	Batts in narrow cavities are cut to fit, or narrow cavities are filled by sprayed/blown insulation		
Garage separation	Air sealing is provided between the garage and conditioned spaces		
Recessed lighting	Recessed light fixtures are air tight, IC rated, and sealed to drywall. Exception-fixtures in conditioned space		
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.		
Shower/tub on exterior wall	Showers and tubs on exterior walls have insulation and an air barrier separating them from the exterior wall.		
Electrical/phone box on exteriors	Air barrier extends behind boxes or air sealed-type boxes are installed.		
Common wall	Air barrier is installed in common wall between dwelling units		
HVAC register boots	HVAC register boots that penetrate building envelope are sealed to subfloor or drywall		
Fireplace	Fireplace walls include an air barrier		

*Air Barrier. Material(s) assembled and joined together to provide a barrier to air leakage through the building envelope. An air barrier may be a single material or a combination of materials.