

# Air Barrier Test Form

## TOWN OF HILTON HEAD ISLAND

One Town Center Court, Hilton Head Island, S.C. 29928

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<http://www.hiltonheadislandsc.gov>

Component	Criteria	Pass/Fail
Air barrier and thermal barrier	Exterior thermal envelope insulation for framed walls is installed in substantial contact and continuous alignment with building envelope barrier. Breaks or joints in 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.	
Ceiling/Attic	Air barrier in any dropped ceiling/soffit is substantially aligned with insulation and any gaps are sealed. Attic access (except unvented attics), Knee wall door, or drop down stair is sealed.	
Walls	Corners and headers are insulated. Junction of foundation and sill plate is sealed.	
Windows and doors	Space between window/door jamb and framing is sealed.	
Rim joists	Rim joists are insulated and include an air barrier.	
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.	
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.	
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 the 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 exterior walls	Air barrier extends behind boxes or air-sealed type boxes are installed.	
Common wall	Air barrier is installed in common wall between dwelling units. Building envelope are sealed to subfloor or drywall.	
HVAC register boots	HVAC register boots that penetrate building envelope are sealed to subfloor or drywall.	
Fireplace	Fireplace walls include an air barrier.	

**Address of Job:** \_\_\_\_\_ **Permit Number:** \_\_\_\_\_

**Print Name:** \_\_\_\_\_ **Business/Position:** \_\_\_\_\_

**Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_