



## Testing In & Testing Out Requirements for Certified Professionals

Testing Requirements according to BPI-104: Envelope Professional (v: 08/03/10 mda)

Testing Required	When Required	Ref Pg.	Further Language	Ref Pg.
Pre and Post Blower Door tests (included in workscope)	When air sealing, enclosed cavity insulation representing 15% or more of the total building shell area, or sealing of the ducts outside the thermal envelope are recommended	3	Blower door tests must be performed before and after the installation of any of the following measures: attic insulation, in order to quantify improvements to the air barrier between the attic and the living space. Enclosed cavity insulation representing an area greater than 15% of the total building shell area. Air Sealing. Sealing of ductwork located outside the building envelope or significant duct modifications within the building envelope.	4
Pre and Post safety inspection of all combustion appliances (oven, worse case, spillage, draft, CO)	When a mechanical ventilation system is installed in a building where combustion appliances are present	3	When a mechanical ventilation system is installed in a building where combustion appliances are present, a complete post installation combustion safety diagnostic must be conducted and conditions must meet all minimum safety requirements for draft, spillage, and CAZ depressurization.	4
Pressure diagnostics (series leakage, add-a-hole)	Before and after installation of attic insulation and/or ventilation to ensure an effective air barrier exists between the attic and living space	3	The effectiveness of the air barrier shall be determined using the following techniques: Pressure differential diagnosis, including: series leakage tests and/or "add a hoe" method where applicable. (Refer to the blower door instruction manual for details on how to perform these tests.) Visual inspection of the attic. Visual indicators include all of the following: Inspect the attic floor underneath the insulation to locate thermal by-passes and cavities requiring air sealing. Inspect for areas where moisture migration into the attic is apparent and determine the source of the moisture. Insulation that has turned black is an indicator of air movement through the insulation.	5
Pre and Post Duct Leakage testing	When duct dealing is part of the workscope	7	Duct leakage must be quantified before and after duct sealing installations. These tests may be performed by the inspector or the installer. The results of these tests must be documented and used to verify the effectiveness of the installation.	7