

Duct Leakage Certification Form

Required for all new systems with new ductwork

Owner: _____ Permit #: _____

Job Address: _____ City: _____ Zip Code: _____

General Contractor: _____ Mechanical Contractor: _____ Phone #: _____

Conditioned Floor Area (ft²): _____ Source: Plans Estimated Measured

1103.3.3 Duct Testing:

Ducts shall be pressure tested to determine air leakage by one of the following methods:

1. Rough-in test: Total leakage shall be measured with a pressure differential of 0.1 inch w.g. (25 Pa) across the system, including the manufacturer's air handler enclosure if installed at the time of the test. All registers shall be taped or otherwise sealed during the test.
2. Post-construction test: Total leakage shall be measured with a pressure differential of 0.1 inch w.g. (25 Pa) across the entire system, including the manufacturer's air handler enclosure. Registers shall be taped or otherwise sealed during the test.

Exception:

A duct air leakage test shall not be required where ALL the ducts and air handlers are located entirely within the building thermal envelope – skip to bottom of page, sign and turn in to Building Inspection office.

N1103.3.4 Duct leakage (Prescriptive).

The total leakage of the ducts, where measured in accordance with Section 1103.3.3 above, shall be as follows:

1. Rough-in test: The total leakage shall be less than or equal to 4 cubic feet per minute per 100 square feet of conditioned floor area where the air handler is installed at the time of the test. Where the air handler is not installed at the time of the test, the total leakage shall be less than or equal to 3 cubic feet per minute per 100 square feet of conditioned floor area.
2. Post-construction test: Total leakage shall be less than or equal to 4 cubic feet per minute per 100 square feet of conditioned floor area.

This written report showing the results of the test shall be signed by the party conducting the test and provided to the code official. The licensed mechanical contractor installing the mechanical system shall be permitted to perform the duct testing. The contractor shall have been trained on the equipment used to perform the test.

Test Results: (fill in which duct leakage test amount)

Rough-in with air handler: _____ CFM@25pa Rough-in without air handler: _____ CFM@25pa

Post-construction: _____ CFM@25pa

A copy of all designs, calculations and signed reports are and will remain available upon request of the Building Official, General Contractor or Owner for a period of 3 years from issue date of the C.O.

Signature of party conducting test: _____ Date: _____

Or Signature of authorized party if exempt: _____ Date: _____

This form must be turned in prior to C.O. being issued