

Duct Leakage Test Form

House Location & Builder Information:

Customers Name: _____

Address: _____

City: _____

State/Zip: _____

Lot & Block: _____

Permit #: _____

Builders Name: _____

Company Name: _____

Address: _____

City: _____

State/ Zip: _____

Test Conditions:

Date: _____

Time: _____

Indoor Temperature: _____

Outdoor Temperature: _____

Conditioned Floor Area: _____

System Airflow (cfm): _____

Cooling Size (btu): _____

Heating Size (btu): _____

Notes: _____

R403.3.2 Sealing (Mandatory). Ducts, air handlers and filter boxes shall be sealed. Joints and seams shall with either the IMC -International Mechanical Code or IRC - International Residential Code, as applicable.

R403.3.3 Duct testing (Mandatory). 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 air handlers 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 0.31 inch w.g. (25 PA) across the system, including the manufacturer air handlers enclosure if installed at the time of the test. All registers shall be taped or otherwise sealed during the test.

Exception: Duct air leakage test shall not be required where the ducts and air handlers are located within the building thermal envelope. **A written report of the results of the test shall be signed by the conducting the test and provided to the code official.**

R403.3.4 Duct leakage (Prescriptive) The total leakage of the ducts, were measured in accordance with Section R403.3.3, shall follow: **1: Rough-in test.** The total leakage shall be less than or equal to 4 cubic feet per minute (113.3 L/min.) per 100 square feet (9.29 m2) 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 (85 L/min) per 100 square feet (9.29 m2) of conditioned floor area.

2: Post-construction test: Total leakage shall be less than or equal to 4 cubic feet per minute (113.3 L/min) per 100 square feet (92.9 m2) of conditioned floor area.

R403.3.5 Building cavities (Mandatory). Building framing cavities shall not be used as ducts or plenum's. No Panning of wall cavities for supply or return ducts & plenum's.

Total Leakage Test Depress _____ Press _____

Test Pressure: _____ (Pa) Test Pressure Location: _____

Baseline Duct Pressure (optional): _____ (Pa)

Zone	Duct Press. (Pa)	Flow Ring Installed	Fan Press (Pa)	Flow (cfm)

Results:

Total Leakage (cfm): _____

Maximum Allowable Leakage (cfm): _____

Pass / Fail

Test:

Post-construction, total leakage 4 cfm per 100 ft²

Rough In Test, total leakage 3 cfm per 100 ft²

Test Performed By:

Company: _____

Name: _____

Phone: _____

Email: _____

Signature: _____