



HVAC SYSTEM COMPLIANCE CERTIFICATION

Required for all new systems

Owner: _____ Permit #: _____

Job Address: _____ City: _____ Zip Code: _____

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

Pursuant with the 2021 Virginia Residential Code (VRC), I hereby attest and certify that the HVAC system for the above referenced project was designed in accordance with the VRC Section 1401.3, **and** if new ductwork is installed, by filling out and providing the **Duct Leakage Certification Form** stating that ductwork was tested as prescribed in Section 1103.3.5.

1401.3 Equipment and Appliance Sizing:

Heating and cooling equipment and appliances shall be sized in accordance with ACCA Manual S or other approved sizing methodologies based on building loads calculated in accordance with ACCA Manual J or other approved heating and cooling calculation methodologies.

Exceptions:

1. ...multi-stage or variable flow technology calculated within the manufacturer's capacities....
2. ...specified equipment cannot satisfy heat gain and the next larger standard size is specified...
3. The specified equipment or appliance is the lowest capacity unit available from the manufacturer.

1103.3.5 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 the ducts and air handlers are located entirely within the building thermal envelope.

A written report of 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.

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: _____ Date: _____

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

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