

City Of Charlottesville

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 under the VRC Section 1401.3, **and** that ductwork installed outside the building thermal envelope was tested by providing the **Duct Leakage Certification Form** as prescribed in Section 1103.3.3.5.

M1401.3 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. multistage technology or variable refrigerant flow technology and the loads calculated
2. specified equipment or appliance manufacturer's published capacities cannot satisfy
3. The specified equipment or appliance is the lowest capacity unit available from the specified manufacturer.

N1103.3.3.5 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 for ducts serving heating, cooling or ventilation systems that are not integrated with ducts serving heating or cooling systems.

A written report of the results of the test shall be signed by the party conducting the test and provided to the Building 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.

Mechanical Contractor Signature: _____ Date: _____

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

P.O. Box 911 610 East Market Street Charlottesville, VA 22902 www.charlottesville.gov/nds