

Duct Leakage Affidavit (Existing Construction)

Permit #: _____

House address or lot number: _____

City: _____ Zip: _____

Cond. Floor Area (ft²): _____ Source (circle one): Plans Estimated Measured

Duct tightness testing is not required for this residence per exceptions listed at the end of this document

Air Handler in conditioned space? yes no Air Handler present during test? yes no

Maximum duct leakage (check method used):

Method 1

Total duct leakage, air handler installed: (floor area x .08) = _____ CFM@25 Pa

Method 2

Leakage to outdoors: (floor area x .06) = _____ CFM@25 Pa

Test Result: _____ CFM@25Pa

Ring (circle one): Open 1 2 3

Duct Blaster Location: _____ Pressure Tap Location: _____

Method 3

The measured duct leakage shall be reduced by more than 50% relative to the measured leakage prior to the installation or replacement of the space conditioning equipment. A visual inspection including a smoke test shall demonstrate that all accessible leaks have been sealed.

Pre-installation test result: _____ CFM@25Pa

Post installation test result: _____ CFM@25Pa

Post installation leakage rate must be less than 50% of pre-installation rate

Company Name: _____ Duct Testing Technician: _____

Date: _____ Phone Number: _____

Method 4

If it is not possible to meet the duct requirements of 1, 2 or 3, all accessible leaks shall be sealed and verified through a visual inspection and a smoke test by a certified third party.

I certify that these duct leakage rates are accurate and determined using standard duct testing protocol and all accessible leaks have been sealed.

Company Name: _____ Certified Third Party: _____ Date: _____

Washington State Energy Code reference:

101.3.2.6 Mechanical Systems: Those parts of systems which are altered or replaced shall comply with Section 503 of this Code when a space-conditioning system is altered by the installation or replacement of space-conditioning equipment (including replacement of the air handler, outdoor condensing unit of a split system air conditioner or heat pump, cooling or heating coil, or the furnace heat exchanger), the duct system that is connected to the new or replacement space-conditioning equipment shall be sealed, as confirmed through field verification and diagnostic testing in accordance with procedures for duct sealing of existing duct systems as specified in the RS-33, to one of the following requirements.

- Exceptions:**
1. Duct systems that are documented to have been previously sealed as confirmed through field verification and diagnostic testing in accordance with procedures in RS-33.
 2. Ducts with less than 40 linear feet in unconditioned spaces.
 3. Existing duct systems constructed, insulated or sealed with asbestos.