

City of Cle Elum

119 West First Street  
Cle Elum, WA 98922



**BUILDING DEPARTMENT**

Telephone: (509) 674-2262  
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**Duct Leakage Affidavit**

Permit #: \_\_\_\_\_

House address or lot number: \_\_\_\_\_

City: \_\_\_\_\_ Zip: \_\_\_\_\_

Cond. Floor Area (ft<sup>2</sup>): \_\_\_\_\_ 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

Circle Test Method: Leakage to Outside Total Leakage

**Maximum duct leakage:**

**Post Construction, total duct leakage:** (floor area x .08) = \_\_\_\_\_CFM@25 Pa

**Post Construction, leakage to outdoors:** (floor area x .06) = \_\_\_\_\_CFM@25 Pa

**Rough-In, total duct leakage with air handler installed:** (floor area x .06) = \_\_\_\_\_CFM@25 Pa

**Rough-In, total duct leakage with air handler not installed:** (floor area x .04) = \_\_\_\_\_CFM@25 Pa

**Test Result:** \_\_\_\_\_CFM@25Pa

Ring (circle one if applicable): Open 1 2 3

Duct Tester Location: \_\_\_\_\_ Pressure Tap Location: \_\_\_\_\_

**I certify that these duct leakage rates are accurate and determined using standard duct testing protocol.**

Company Name: \_\_\_\_\_ Technician: \_\_\_\_\_

Technician Signature: \_\_\_\_\_ Date: \_\_\_\_\_ Phone Number: \_\_\_\_\_

**Washington State Energy Code reference:**

**503.10.3 Sealing.** All ducts, air handlers, filter boxes, and building cavities used as ducts shall be sealed. Joints and seams shall comply with Section M1601.3 of the *International Residential Code* or 603.9 of the *International Mechanical Code*. Duct tightness testing shall be conducted to verify that the ducts are sealed. A signed affidavit documenting the test results shall be provided to the jurisdiction having authority by the testing agent. When required by the building official, the test shall be conducted in the presence of department staff.

- Exceptions:
1. Duct tightness test is not required if the air handler and all ducts are located within conditioned space.
  2. Duct testing is not required if the furnace is a nondirect vent type combustion appliance installed in an unconditioned space. A maximum of six feet of connected ductwork in the unconditioned space is allowed. All additional supply and return ducts shall be within the conditioned space. Ducts outside the conditioned space shall be sealed with a mastic type duct sealant and insulated on the exterior with R-8 insulation for above grade ducts and R-5 water resistant insulation when within a slab or earth.