



# City of Langley

## 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@25Pa

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

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

Rough-In, leakage to outdoors with air handler installed : (floor area x .04) = \_\_\_\_\_ CFM@25Pa

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

Ring (circle one):

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 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. Ducts 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 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.