



Building Department, City of Centralia

118 W. Maple, PO Box 609

Centralia, WA 98531

Post this form on the furnace for inspection and verification by
Inspector.

Duct Leakage Affidavit for New Construction

Permit #: _____ House Address: _____ City:

_____ State: _____ Zip Code: _____

Conditioned Floor Area (sq. ft.): _____ Source (circle one): Plans / Estimated / Measured

Duct leakage testing is not required for this residence per exception # _____ listed below.

Air Handler in conditioned space? Yes / No 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

Total Result: _____ CFM@25 Pa

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

Duct Tester Location: _____ Pressure Tap Location: _____

I certify that this duct leakage rate is accurate and determined using Duct Testing Standard RS-33

Company Name: _____ Technician(print): _____

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.

Exception: 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 non-direct 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 grad ducts and R-5 water resistant insulation when within a slab or earth.

Duct Leakage Test Result forms and Duct Testing Standard RS-33 are available at www.skamaniacounty.org

For Questions Contact LG Nelson, Building Official
Email: lgnelson@cityofcentralia.com or (360) 330-7664