STATE OF WASHINGTON

STATE BUILDING CODE COUNCIL

May 2018
Log No. _____

1. State Building Code to be Amended:

- ☐ International Building Code
- ☐ ICC ANSI A117.1 Accessibility Code
- ☐ International Existing Building Code
- ☐ International Residential Code
- ☐ International Fire Code
- ☒ Uniform Plumbing Code
- ☐ International Mechanical Code
- ☐ International Fuel Gas Code
- ☐ NFPA 54 National Fuel Gas Code
- ☐ NFPA 58 Liquefied Petroleum Gas Code
- ☐ Wildland Urban Interface Code

For the Washington State Energy Code, please see specialized energy code forms

Section(s):
913

Title:
Air Admittance Valve

2. Proponent Name (Specific local government, organization or individual):

Proponent: Washington Association of Building Officials, Technical Code Development
Title: WABO TCD Committee Chair
Date: May 24, 2021

3. Designated Contact Person:

Name: Micah Chappell
Title: Technical Code Development Manager, Seattle Department of Construction and Inspections
Address: 700 Fifth Ave. Suite 2100, Seattle, WA. 98104

Office Phone: ( )
Cell: ( )
E-Mail address:

4. **Proposed Code Amendment**. Reproduce the section to be amended by underlining all added language, striking through all deleted language. Insert new sections in the appropriate place in the code in order to continue the established numbering system of the code. If more than one section is proposed for amendment or more than one page is needed for reproducing the affected section of the code additional pages may be attached. (Examples on the SBCC website)

Code(s) Washington State Plumbing Code_____ **Section(s)** 913_____

913.0 Air Admittance Valves.

913.1 General. Vent systems utilizing air admittance valves shall comply with this section.

913.2 Where Permitted. Individual fixtures, a branch vent, a vertical wet vent, and a horizontal wet vent shall be permitted to terminate with a connection to an air admittance valve. Fixtures connected to an air admittance valve shall be located on the same floor level.

913.3 Installation. Air admittance valves shall conform to ASSE 1051 for single fixtures, and ASSE 1050 for multiple fixtures, and shall be installed as required in this section and the manufactures installations guidelines.

913.3.1 Location.

1) Air admittance valves shall be accessible and located [and identified?] in an area that allows air to enter the valve.

2) The air admittance valve shall be located a minimum of four (4) inches above the trap arm.

3) The air admittance valve that serves as a vent termination for a branch vent, or vertical and horizontal wet vent, shall be located at a minimum of six (6) inches above the flood level rim of the highest fixture being vented.

4) The air admittance valve shall be located within the maximum developed length permitted for the vent as shown in Table 703.2.

5) The air admittance valve shall be installed not less than six (6) inches above insulation materials.

913.4 Size. The air admittance valve shall be rated in accordance with the standard for the vent size as determined in Table 703.2.

913.5 Vent Required. Not less than one plumbing vent sized as required by Section 904.1, shall extend to the exterior of the building as required in Section 906.1.

913.6 Relief Vent. When a horizontal branch drain utilizes an individual or branch type air admittance valve, a relief vent shall be installed when the horizontal branch drain is located more than four (4) branch intervals from the top of the building drain (waste stack), and the relief vent shall extend to the outdoors or connect to a vent stack. The relief vent shall be sized in accordance with Section 904.1, installed in accordance with Sections 905.0, and shall be permitted to serve as the vent for other fixtures.

913.6.1 Prior Approval. Installations that require a relief vent shall be submitted for an installation design review.

913.7 Prohibited Installations.

913.7.1 Sumps. Air admittance valves shall not be utilized to vent sumps or tanks of any type.

913.7.2 Chemical Waste Systems. Air admittance valves shall not be installed in non-neutralized chemical waste systems without a design review and approval by the Authority Having Jurisdiction.

913.7.3 FOG Disposal Systems. Air admittance valves shall not be installed on any fixtures that are connected to a FOG disposal system.

913.7.4 Plenums. Air admittance valves shall not be located in spaces utilized as supply or return air plenums.

5. **Briefly explain your proposed amendment, including the purpose, benefits and problems addressed.**
This would allow Air Admittance valves within the UPC

6. **Specify what criteria this proposal meets.** You may select more than one.

- ☐ The amendment is needed to address a critical life/safety need.
- ☒ The amendment clarifies the intent or application of the code.
- ☐ The amendment is needed to address a specific state policy or statute.
- ☐ The amendment is needed for consistency with state or federal regulations.
- ☐ The amendment is needed to address a unique character of the state.
- ☐ The amendment corrects errors and omissions.

7. Is there an economic impact: ☐ Yes ☒ No

Explain:

No cost impact as this is an optional component.

Please send your completed proposal to: sbcc@des.wa.gov

All questions must be answered to be considered complete. Incomplete proposals will not be accepted.