

Applicant: _____ Job Site: _____ Phone: _____	Building Department Use Only	<b>LINN-BENTON FIRE AUTHORITY</b>
	Permit Number: _____	
	Date: _____	

**ACCESS AND WATER SUPPLY AM & M**

**Uniform Alternate Construction Standard (UACS) for One- and Two-Family Dwellings:**

The Fire Code Official has the authority to recognize alternative and equivalent methods and materials of design related to access and water supply as outlined in Chapter 1 or the Oregon Fire Code (Duties and Powers of the Fire Code Official). This references provisions of OAR 918-480-0125(4).

This is a list of generally accepted AM&M for access and water supply deficiencies; one or more options may be chosen. Each case is unique and project specific.

**Y N N/A**

**Fire sprinklers as per NFPA 13D**

**On-site water supply as per NFPA 1142:**

Without exposure

With exposure

$$WS_{min} = \frac{VS_{tot}}{OHC}(CC)$$

$$WS_{min} = \frac{VS_{tot}}{OHC}(CC) \times 1.5$$

Cubic feet of structure (VS) \_\_\_\_\_

Occupancy use (OHC) \_\_\_\_\_

Construction type (CC) \_\_\_\_\_

Detached structure within 50 feet (exposure)? Y  N

Total gallons required (WS) \_\_\_\_\_

**Compartmentalization**

Division of square footage to areas less than 3,600 sq. ft. by allowance of a fire separation wall may be achieved by one of the following methods (**check one below**):

New construction:

- One-layer 5/8 type X gypsum board with 1¼" Type W drywall screws @ 12" o/c on **each** side, extending from the foundation to the underside of the roof sheathing or deck.
- Fire caulk **all** penetrations including the wall to roof sheathing intersection.
- Provide listed firestop assemblies as appropriate for any other penetrations such as HVAC/dampers, etc.
- Doors shall have a 45 min. fire rating & be self-closing.

Restricted addition: (In situations where access to one side is non-accessible)

- Two layers of 5/8 type X gypsum board on one side will be acceptable (base layer 1¼" Type W drywall screws @ 8" o/c, face layer 1 7/8" Type W drywall screws @ 8" o/c extending from the foundation to the underside of the roof sheathing or deck). Each layer shall be separately inspected after installation, the second layer installed with staggered joints over the first.
- Fire caulk **all** penetrations including the wall-to-roof sheathing intersection.
- Provide listed firestop assemblies as appropriate for any other penetrations such as HVAC/dampers, etc.
- Doors shall have a 45 min. fire rating and be self-closing.

Specific wall(s) and/or ceiling(s) to meet fire separation standard listed above:

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Additional comments:

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Received: \_\_\_\_\_ Site Visit? \_\_\_\_\_ Approved? \_\_\_\_\_ Fire Fee: \_\_\_\_\_

Fire Authority Name, Title, Signature \_\_\_\_\_

Date: \_\_\_\_\_

Applicant Name, Title, Signature \_\_\_\_\_

Date: \_\_\_\_\_