



STATE OF WASHINGTON
STATE BUILDING CODE COUNCIL

1. State Building Code to be Amended:

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|---|---|
| <input checked="" type="checkbox"/> International Building Code | <input type="checkbox"/> State Energy Code |
| <input type="checkbox"/> ICC ANSI A117.1 Accessibility Code | <input type="checkbox"/> International Mechanical Code |
| <input type="checkbox"/> International Existing Building Code | <input type="checkbox"/> International Fuel Gas Code |
| <input type="checkbox"/> International Residential Code | <input type="checkbox"/> NFPA 54 National Fuel Gas Code |
| <input type="checkbox"/> International Fire Code | <input type="checkbox"/> NFPA 58 Liquefied Petroleum Gas Code |
| <input type="checkbox"/> Uniform Plumbing Code | <input type="checkbox"/> Wildland Urban Interface Code |

Section(s): 1403.2 & 1404.2

Title: Water Protection
New Section – Means of Drainage

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

Proponent: Hector Plata
Title: Weatherization Specialist
Date: November 30, 2017

3. Designated Contact Person:

Name: Hector Plata
Title: Weatherization Specialist
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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) IRC Section(s) 1403.2 & 1404.2

Enforceable code language must be used; see an example [by clicking here](#).

Amend section to read as follows:

Revise Section 1403.2 – Weather Protection. Exterior walls shall provide the building with a weather-resistant exterior wall envelope.

Add to Section 1403.2: - Weather Protection. Exterior walls shall provide the building with a drainable weather-resistant exterior wall envelope.

Revise Section 1404.2 – The exterior wall envelope shall be designed and constructed in such a manner as to prevent the accumulation of water within the wall assembly by providing a water-resistant barrier behind the exterior veneer as described in section 1404.2 and a means for draining water that enters the assembly to the exterior. An air space cavity is not required under the exterior cladding for an exterior wall clad with lapped or panel siding made of plywood, engineered wood, hardboard or fiber cement.

Add to Section 1404.2 - The exterior wall envelope shall be designed and constructed in such a manner as to prevent the accumulation of water within the wall assembly by providing a drainable water-resistant barrier behind the exterior veneer as described in section 1404.2 for a means of draining water that enters the assembly to the exterior. The means of drainage shall provide vertical airspace under the exterior cladding for an exterior wall clad with lapped or panel siding made of plywood, engineered wood, hardboard or fiber cement.

Renumber subsequent Sections

5. Briefly explain your proposed amendment, including the purpose, benefits and problems addressed. Specifically note any impacts or benefits to business, and specify construction types, industries and services that would be affected. Finally, please note any potential impact on enforcement such as special reporting requirements or additional inspections required.

This proposal is intended to provide clarity to the requirement for drainage in the code:

(1) clarifying is Section 1403.2 & 1404.2 that the means of drainage is to manage water which intrudes past the exterior surface of the veneer (either through the veneer or at penetration interfaces) rather than all water that enters the assembly, which might be interpreted to include the need to drain an internal insulation cavity from condensation moisture or a burst pipe.

(2) providing a performance metric for the drainage requirement.

Drainage is an important component of managing water, especially under high rainfall/ exposure conditions, such as those in the Pacific Northwest and other Marine climates. Additionally, it is becoming increasingly important to manage the moisture durability as the industry moves to more highly insulated walls. Providing a performance measure for the drainage will aid in the ability to enforce the drainage requirement already being present in the design of today's structures. The proposed drainage requirements are consistent with those adopted into the Oregon State Residential Code in 2010.

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 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

The perceived cost of this construction is associated with including drainage media within wall assemblies, however with the increase in design pressures and performance expectations of today's buildings, cost is outweighed by the demands of reduction in water damage being exposed to our buildings today as well as the demand on energy conservation levels being driven by our legislative. Many products and systems which have been demonstrated to provide this drainage capability are currently available and are being acted on by many builders and developers already to enhance the durability and performance of their products. Making a vertically drainable plane to enhance the drying and water management away from the exterior of buildings IBC Code, is a must for our future industry.

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

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