

## Washington State Building Code Council • Code Change Cycle 2015 2015 Uniform Plumbing Code Review Worksheet

2012 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Amend Needed (Y/N)	TAG Comments
<b>Chapter 3</b>					
301.0	301.0	General	<del><b>Materials – Standards and Alternates General.</b></del>	N	
	301.1	Applicability	New section added: <u><b>Applicability. This chapter shall govern the general requirements, not specific to other chapters, for the installation of plumbing systems.</b></u>	N	
301.1	301.2	Minimum Standards	Deleted sentence from section: <del><i>Plastic pipe the fittings used for plastic pipe, other than those for gas, shall meet the requirements of NSF 14.</i></del> This has been addressed in new Section 301.2.3.	N	
301.1.1	301.2.1	Marking	Added an exception as follows: <u><b>Markings shall not be required on nipples created from cutting and threading of approved pipe.</b></u>	N	
301.1.2	301.2.2	Standards	Portion of section revised as follows: <i>Design and materials for special conditions or materials not provided for herein shall be permitted to be used only by special permission of the Authority Having Jurisdiction.....</i>	N	

2012 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Amend Needed (Y/N)	TAG Comments
<b>Chapter 3</b>					
	301.2.3	Plastic Pipe, Plastic Pipe Fittings, and Components	New section that contains the provision deleted from Section 301.2 of the 2012 UPC.	N	
	301.2.4	Cast-Iron Soil Pipe and Fittings	New section added to reference applicable standards.	N	
301.1.3	301.2.5	Existing Buildings	No change	N	
301.2	301.3	Alternate Materials and Methods of Construction Equivalency	No change	N	
301.2.1	301.3.1	Testing	No change	N	
301.2.1.1	301.3.1.1	Tests	No change	N	
301.2.1.2	301.3.1.2	Request by Authority Having Jurisdiction	No change	N	
301.3	301.4	Flood Hazard Areas	No change	N	
301.3.1	301.4.1	Coastal High Hazard Areas	Modified the section title and the same reference in the section from <i>"flood hazard areas subject to high-velocity wave action"</i> to <i>"coastal high hazard areas."</i>	N	
301.4	301.5	Alternative Engineered Design	No change	N	
301.4.1	301.5.1	Permit Application	Changed term <i>"registered professional engineer"</i> to <i>"registered design professional."</i>	N	
301.4.2	301.5.2	Technical Data	Changed term <i>"registered professional engineer"</i> to <i>"registered design professional."</i>	N	

2012 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Amend Needed (Y/N)	TAG Comments
<b>Chapter 3</b>					
301.4.3	301.5.3	Design Documents	Changed term “ <i>registered professional engineer</i> ” to “ <i>registered design professional.</i> ”	N	
301.4.4	301.5.4	Design Approval	No change	N	
301.4.5	301.5.5	Design Review	Changed term “ <i>registered professional engineer</i> ” to “ <i>registered design professional.</i> ”	N	
301.4.6	301.5.6	Inspection and Testing	No change	N	
302.0	302.0	Iron Pipe Size (IPS) Size	No change	N	
302.1	302.1	General	<i>Iron, steel, brass, <u>copper</u> and copper <u>alloy</u> pipe shall be standard-weight iron pipe size (IPS) pipe.</i>	N	
303.0	303.0	Disposal of Liquid Waste	No change	N	
303.1	303.1	General	No change	N	
304.0	304.0	Connections to Drainage System or Public Sewer	No change	N	
304.1	304.1	General	No change	N	
305.0	305.0	Damage to Drainage System or Public Sewer	No change	N	
305.1	305.1	Unlawful Practices	No change	N	
306.0	306.0	Industrial Wastes	No change	N	
306.1	306.1	Detrimental Wastes	No change	N	

2012 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Amend Needed (Y/N)	TAG Comments
<b>Chapter 3</b>					
306.2	306.2	Safe Discharge	No change	N	
307.0	307.0	Location	No change	N	
307.1	307.1	System	No change	N	
307.2	307.2	Ownership	No change	N	
308.0	308.0	Improper Location	No change	N	
308.1	308.1	General	No change	N	
309.0	309.0	Workmanship	No change	N	
309.1	309.1	Engineering Practices	No change	N	
309.2	309.2	Concealed Imperfections	No change	N	
309.3	309.3	Burred Ends	No change	N	
309.4	309.4	Installation Practices	No change	N	
310.0	310.0	Prohibited Fittings and Practices	No change	N	
310.1	310.1	Fittings	No change	N	
310.2	310.2	Drainage and Vent Piping	No change	N	
310.3	310.3	Waste Connection	No change	N	

2012 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Amend Needed (Y/N)	TAG Comments
<b>Chapter 3</b>					
310.4	310.4	Use of Vent and Waste Pipes	<p>(There is a current state amendment to this section.)</p> <p>Circuit venting was moved from Appendix C to Chapter 9, and the section has been changed to include all wet venting provisions of Chapter 9. However, the waste stack venting provisions in Appendix C could not be allowed without deletion of the last sentence. Further, it would seem that the last sentence would prohibit the use of other engineered systems that are already allowed in some jurisdictions under the alternate materials and methods provisions. To address this, there should be a state amendment as follows:</p> <p><b><i>Use of Vent and Waste Pipes. Except as hereinafter provided in Section 908.0 through Section 911.0, and Appendix C, no vent pipe shall be used as a soil or waste pipe, nor shall a soil or waste pipe be used as a vent. Also, <del>single-stack drainage and venting systems with unvented branch lines are prohibited.</del></i></b></p>	Y	
310.5	310.5	Obstruction of Flow	No change	N	
310.6	310.6	Dissimilar Metals	No change	N	
310.7	310.7	Direction of Flow	No change	N	
310.8	310.8	Screwed Fittings	No change	N	
311.0	311.0	Independent Systems	No change	N	
311.1	311.1	General	No change	N	

2012 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Amend Needed (Y/N)	TAG Comments
<b>Chapter 3</b>					
312.0	312.0	Protection of Piping, Materials, and Structures	No change	N	
312.1	312.1	General	No change	N	
312.2	312.2	Installation	No change	N	
312.3	312.3	Building Sewer and Drainage Piping	No change	N	
312.4	312.4	Corrosion, Erosion, and Mechanical Damage	No change	N	
312.5	312.5	Protectively Coated Pipe	Revised as follows: <i>Protectively coated pipe or tubing shall be inspected and tested, and a visible void, damage, or imperfection to the pipe coating shall be repaired in accordance with <del>Section 312.0</del> an approved manner.</i>	N	
312.6	312.6	Freeze Protection	(There is a current state amendment to this section.) Revised as follows: <i>No water, soil, or waste pipe shall be installed or permitted outside a building, in attics or crawl spaces, or in an exterior wall unless, where necessary, adequate provision is made to protect such pipe from freezing.</i> A state amendment is still needed to add a sentence at the end of the section as follows: <u><i>All hot and cold water pipes installed outside the conditioned space shall be insulated to a minimum R-3.</i></u>	Y	

2012 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Amend Needed (Y/N)	TAG Comments
<b>Chapter 3</b>					
312.7	312.7	Fire-Resistant Construction	There is a current state amendment to this section. Recommendation to retain the amendment in its entirety: <i>All pipes penetrating floor/ceiling assemblies and fire-resistant rated walls or partitions shall be protected in accordance with the requirements of the building code.</i>	Y	
312.8	312.8	Waterproofing of Openings	No change	N	
312.9	312.9	Steel Nail Plates	Added <i>copper alloy</i> piping to plastic and copper that requires nail plate protection.	N	
312.10	312.10	Sleeves	No change	N	
312.10.1	312.10.1	Building Loads	No change	N	
312.10.2	312.10.2	Exterior Walls	No change	N	
312.10.3	312.10.3	Firewalls	No change	N	
312.11	312.11	Structural Members	No change	N	
312.12	312.12	Rodent proofing	No change	N	
312.12.1	312.12.1	Meter Boxes	Revised as follows: <i>Meter boxes shall be constructed in such a manner <del>that rats cannot enter</del> as to restrict rodents or vermin from <u>entering</u> a building by following the service pipes from the box into the building.</i>	N	
312.12.2	312.12.2	Metal Collars	No change	N	
312.12.3	312.12.3	Tub Waste Openings	No change	N	

2012 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Amend Needed (Y/N)	TAG Comments
<b>Chapter 3</b>					
	312.13	Exposed ABS Piping	New section added to address protection of ABS material from degradation due to exposure to direct sunlight.	N	
	312.14	Exposed PVC Piping	New section added to address protection of PVC material from degradation due to exposure to direct sunlight.	N	
313.0	313.0	Hangers and Supports	No change	N	
313.5	313.1	General	Revised as follows: <b><i>Piping, Fixtures, Appliances, and Appurtenances General.</i></b> <i>Piping, fixtures, appliances, and appurtenances shall be <u>adequately</u> supported in accordance with this code, the manufacturer's installation instructions, and in accordance with the Authority Having Jurisdiction.</i>	N	
313.2	313.2	Material	Only the title of the section changed from "Strength" to "Material."	N	
313.1	313.3	Suspended Piping	No change	N	



2012 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Amend Needed (Y/N)	TAG Comments
<b>Chapter 3</b>					
Table 313.1	Table 313.3	Hangers and Supports	<p>Changed, added or deleted the names of certain materials as follows:  <del>Copper Tube and Pipe</del> <u>Copper Alloys</u>  <del>Steel and Brass Pipe for Water or DWV</del>  <del>Steel, Brass, and Tinned Copper Pipe for Gas</del>            Added <u>PE-RT</u> material to the table            Removed <del>Copper</del> from the table</p> <p>Also deleted Footnote #6 that referenced the applicable IAPMO Installation Standard for expansion or other special requirements, this due to the bulk of the standards being deleted from Appendix I.</p>	N	
313.2	313.4	Alignment	Only the title of the section changed from "Piping Support" to "Alignment."	N	
313.3	313.5	Underground Installation	Only the title of the section changed from "Underground Piping" to "Underground Installation."	N	
313.6	313.6	Hanger Rod Sizes	No change	N	
Table 313.6	Table 313.6	Hanger Rod Sizes	No change	N	
313.7	313.7	Gas Piping	No change	N	
314.0	314.0	Trenching, Excavation, and Backfill	No change		

2012 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Amend Needed (Y/N)	TAG Comments
<b>Chapter 3</b>					
314.1	314.1	Trenches	Section revised as follows: <i>Trenches deeper than the footing of a building or structure, and paralleling the same, shall be <u>located not less than 45 degrees therefrom from the bottom of the edge of the footing</u>, or as approved in accordance with Section 301.02 of this code.</i>	N	
314.2	314.2	Tunneling and Driving	No change	N	
314.3	314.3	Open Trenches	No change	N	
314.4	314.4	Excavations	A new paragraph is added to the section as follows: <u>Underground thermoplastic pipe and fittings for sewers and other gravity flow applications shall be installed in accordance with this code and Section 314.4.1.</u>	N	
	314.4.1	Installation of Thermoplastic Pipe and Fittings	New section added to address installation of thermoplastic sewer pipe.	N	
315.0	315.0	Joints and Connections	No change	N	
315.1	315.1	Unions	Only a slight modification to a portion of the section as follows: <i>.....at <u>any point in the water system</u>.....</i>	N	
315.2	315.2	Prohibited Joints and Connections	No change	N	
315.2.1		Obstruction	Entire section has been deleted.	N	
316.0	316.0	Increasesers and Reducers	No change	N	

2012 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Amend Needed (Y/N)	TAG Comments
<b>Chapter 3</b>					
316.1	316.1	General	Deleted the term "brass" and replaced with "copper alloy."	N	
317.0	317.0	Food-Handling Establishments	No change	N	
317.1	317.1	General	No change	N	
318.0	318.0	Test Gauges	No change	N	
318.1	318.1	General	No change	N	
318.2	318.2	Pressure Tests (10 psi or less)	No change	N	
318.3	318.3	Pressure Tests (greater than 10 psi to 100 psi)	No change	N	
318.4	318.4	Pressure Tests (exceeding 100 psi)	No change	N	
318.5	318.5	Pressure Range	No change	N	
319.0	319.0	Medical Gas and Vacuum Systems	No change	N	
319.1	319.1	General	No change	N	
	320.0	Rehabilitation of Piping Systems	New section added to address epoxy lining systems.	N	
	320.1	General	New section added to address epoxy lining systems.	N	