



STATE OF WASHINGTON

## STATE BUILDING CODE COUNCIL

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### 2018 INTERNATIONAL RESIDENTIAL CODE TECHNICAL ADVISORY MEETING MINUTES

**LOCATION:** Shoreline City Hall  
17500 Midvale Avenue North,  
Shoreline, WA 98133

**DRAFT**

**MEETING DATE:** Wednesday December 12, 2018

**Members in Attendance:** David Spencer, Tim Woodard, Ron Perkerewocz, Todd Short, Willie Hill

**Members Absent:** Jim Tinner, TAG Chair; Angela Haupt, Michelle Yee, Al Audette

**Staff in Attendance:** Richard Brown, Lori Yantzer

**Visitors Present:** Micah Chappell, Jeff Shapiro, Jonathan Jones, Mike Lubliner

Agenda Items	TAG/Staff Actions/Discussion
1. Welcome and Introductions	Meeting called to order at 10:10 a.m. by Jim Tinner. Everyone was welcomed and roll was taken.
2. Review & Approve Agenda	The agenda was modified to reflect review and approval of the December 5 <sup>th</sup> minutes not the November 28 <sup>th</sup> minutes which were previously approved. The modified agenda was approved.
3. Review and Approve December 5, 2018 Minutes	The minutes were approved as written
4. Review Results From Tasks Assigned at October 31 <sup>st</sup> Meeting	See the attached Review Worksheet.
5. Other Business	Unfinished TAG business will be addressed through email review and voting.  <b>Note: This was withdrawn after the meeting because it would not be transparent or allow for public input. There will be a special call-in WebEx meeting in early January to address these issues. This meeting will be posted on the SBCC web page and announced through GovDelivery.</b>  The December 19 <sup>th</sup> TAG meeting is not necessary and, therefore, cancelled
6. Adjourn	The meeting was adjourned at 12:35p.m.

Attachments: 2018 IRC Review Worksheet

## Washington State Building Code Council • Code Change Cycle 2018 Group 2 2018 International Residential Code Review Worksheet

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
<b>WAC Administration Scope and Administration (SBCC Staff)</b>						
---	---	<a href="#">WAC 51-51-001</a> Authority	States authority of WAC 51-51.	N	N	11/14/2018 TAG recommends keeping WAC unchanged
---	---	<a href="#">WAC 51-51-002</a> Purpose	States purpose of WAC 51-51	N	N	11/14/2018 TAG recommends keeping WAC unchanged

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
---	---	<a href="#">WAC 51-51-003</a> International Residential Code	<p>The 2015 edition of the International Residential Code as published by the International Code Council is hereby adopted by reference with the following additions, ... and Appendix Q, Dwelling Unit Fire Sprinkler Systems, are included in adoption of the International Residential Code. <i>Is there a better way of addressing Appendix Q?</i></p> <p>This WAC needs to be amended because Appendix Letters have changed.</p>	N	Y	11/14/2018 TAG okay with WAC but instructed SBCC staff to look into if there is a more eloquent method for local jurisdictions to adopt residential sprinklers 12/12/18 TAG recommends keeping appendixes Q (now U) and V. 12/12/2018 TAG recommends acceptance of amendment changes
---	---	<a href="#">WAC 51-51-007</a> Exceptions	No changes are recommended	N	N	11/14/2018 TAG recommends keeping WAC unchanged

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
---	---	<a href="#">WAC 51-51-008</a> Implementation	States adoption date. Needs amendment	N	Y	11/14/2018 TAG recommends an amendment 12/12/2018 TAG recommends acceptance of amendment changes
<b>Chapter 1 Scope and Administration (Willie Hill)</b>						
Same	R101	<a href="#">WAC 51-51-01010</a> Scope	Need to reconcile changes with 2018 Code with WAC. <b>On 11/14/2018 the TAG recommended keeping the WAC unchanged, however, SBCC staff is asking for another look.</b>	N	Y	12/12/2018 TAG recommends acceptance of amendment changes
Same	R102	<a href="#">WAC 51-51-0102</a> Applicability	R102.5 Appendices. R102.7.1 Additions, alterations or repairs R102.7.2 Moved buildings Keep amendment	N	N	11/14/2018 TAG recommends keeping WAC unchanged
R101.2		Scope	Clarifies section (Considered a significant change by ICC)	N	N	11/14/2018 TAG recommends no amendment

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
R104.11		Alternative Materials and Methods of Construction	Clarifies section (Considered a significant change by ICC)	N	N	11/14/2018 TAG recommends no amendment
R105.1		Change of Occupancy	Clarifies section (Considered a significant change by ICC)	N	N	11/14/2018 TAG recommends no amendment
R110.1		Change of Occupancy	(Considered a significant change by ICC)	N	N	11/14/2018 TAG recommends no amendment
<b>Chapter 2 Definitions.</b> (Kim Flanary, Willie Hill)						

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
Same	R202	<a href="#">WAC 51-51-0202</a> Definitions	ADULT FAMILY HOME <del>AIR-IMPERMEABLE INSULATION.</del> (Omit This is addressed in the 2018 Code) ATTIC, HABITABLE. CHILD CARE, FAMILY HOME. CHILD DAY CARE, CONDITIONED SPACE. DWELLING UNIT. FIRE SEPARATION DISTANCE. MEZZANINE, LOFT. SALT WATER COASTAL AREA. SMALL BUSINESS. WHOLE HOUSE VENTILATION SYSTEM.	N	Y	11/14/2018 TAG recommends no amendment but asked staff to verify. 12/12/2018 Staff noted an amendment is needed to omit one definition. TAG recommends acceptance of amendment changes
R202		Definition of Access	Defined Access (Considered a significant change by ICC)	N	N	11/14/2018 TAG recommends no amendment
R202		Change of Occupancy	Defined Change of Occupancy (Considered a significant change by ICC)	N	N	11/14/2018 TAG recommends no amendment
R202		Definition of Crawl Space	Defined Crawl Space (Considered a significant change by ICC)	N	N	11/14/2018 TAG recommends no amendment

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
R202		Definition of Carbon Monoxide Alarm	Defined Carbon Monoxide Alarm (Considered a significant change by ICC)	N	N	11/14/2018 TAG recommends no amendment
R202		Definition of Fenestration	Defined Fenestration (Considered a significant change by ICC)	N	N	11/14/2018 TAG recommends no amendment
R202		Definition of Attic, Habitable	Defined Attic, Habitable (Considered a significant change by ICC)	N	N	11/14/2018 TAG recommends no amendment
R202		Definition of Solar Energy System	Defined Solar Energy System (Considered a significant change by ICC)	N	N	11/14/2018 TAG recommends no amendment
<b>Chapter 3 Building Planning</b> (Jim Tinner, Al Audette)						

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
	R301	<a href="#">WAC 51-51-0301</a> Design Criteria	R301.2 Climatic and geographic design criteria. R301.2.2.3.1 Height limitations. R301.5 Live load. Need to maintain the state amendment regarding 60 PSF deck live loads	N	Y	11/14/2018 TAG Requested that the Residential Energy Code TAG review R301.2, Strike the amendment regarding R301.2.2.3.1 because it is addressed in the 2018 Code and retain the amendment for R301.5 12/12/2018 TAG recommends acceptance of amendment changes
301.2.1.1		High Wind Areas	Increases roof component & cladding loads in ASCE 7-16, increased fastener requirements	Y	N	12/5/2018 TAG recommends no amendment



2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
TABLE R301.2(1)	Same	Climatic and Geographic Design Criteria	Tied to a WAC This belongs in the WSEC (Considered a significant change by ICC)	N	?	11/14/2018 TAG Requested that the Residential Energy Code TAG review
R301.2.2.1	Same	Seismic Design Category	Allows greater flexibility in determining seismic design requirements (Considered a significant change by ICC)	N	N	11/14/2018 TAG recommends no amendment
R301.2.2.6	None	Irregular Buildings	This clarifies existing language (Considered a significant change by ICC)	N	N	11/14/2018 TAG recommends no amendment
	R302	<a href="#">WAC 51-51-0302</a> Fire-resistant construction	R302.1 Exterior walls (Addressed in 2018 IRC) R302.2 Townhouses. (Addressed in 2018 IRC) R302.2.1 Continuity. R302.2.4 Structural independence R302.3.1 Supporting construction R302.13 Fire protection of floors	N	Y	11/14/2018 TAG recommends keeping the RCW but eliminating R302.1 and R302.2 12/12/2018 TAG tabled review of this section

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
R302.1	Same	Exterior Walls	Provides clarity (Considered a significant change by ICC)	N	N	11/14/2018 TAG recommends no amendment
R302.2	Same	Townhouse Separation	We already do this in Washington. The IRC has been all over the board on this issue (Considered a significant change by ICC)	N	N	11/14/2018 TAG recommends no amendment.
R302.3	Same	Two-Family Dwelling Separation	Provides ability to use IBC fire separation requirements (Considered a significant change by ICC)	N	N	11/14/2018 TAG recommends no amendment.
R302.4.2	Same	Membrane Penetrations	Brings IRC into sync with IBC regarding can lights (Considered a significant change by ICC)	N	N	11/14/2018 TAG recommends no amendment.
R302.5	Same	Dwelling-Garage Opening Protection	Allows automatic closing doors (Considered a significant change by ICC)	N	N	11/14/2018 TAG recommends no amendment
R302.10		Insulation Flame Spread	Only applies when facing is not insubstantial contact with wall covering such as GWB (Considered a significant change by ICC)	N	N	11/14/2018 TAG recommends no amendment

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
R302.13		Fire Protection of Floors above Crawl Spaces	Clarification (Considered a significant change by ICC)	N	N	11/14/2018 TAG recommends no amendment
	R303	<a href="#">WAC 51-51-0303</a> Light, ventilation and heating	R303.2 Adjoining rooms. R303.3 Bathrooms. R303.4 Minimum ventilation performance. R303.5 Opening location. R303.5.1 Intake openings. R303.5.2 Exhaust openings. R303.5.2.1 Exhaust ducts. R303.7 Interior stairway illumination. R303.8 Exterior stairway illumination R303.9 Required heating R303.9.1 Definitions. DESIGNATED AREAS SUBSTANTIALLY REMODELED R303.9.2 Primary heating source. R303.9.3 Solid fuel burning devices	N	N	11/14/2018 TAG recommends keeping the RCW unchanged
	R307	<a href="#">WAC 51-51-0307</a> Toilet, bath and shower spaces	N	N	N	11/14/2018 TAG recommends keeping the RCW unchanged

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
	R308	<a href="#">WAC 51-51-0308</a> Glazing	R308.4.4 Glazing in guards and railings. R308.4.4.1 Structural glass baluster panels. Addressed in 2018 Code	N	Y	11/14/2018 TAG recommends eliminating the amendment 12/12/2018 TAG recommends acceptance of amendment changes
R308.4.2		Glazing Adjacent to Doors	The scenario depicted in the code change rarely happens (Considered a significant change by ICC)	N	N	11/14/2018 TAG recommends no amendment
R308.4.4		Glazing in Guards and Railings	Clarification (Considered a significant change by ICC)	N	N	11/14/2018 TAG recommends no amendment
R308.4.7		Glazing Adjacent to the Bottom Stair Landing	Clarification (Considered a significant change by ICC)	N	N	11/14/2018 TAG recommends no amendment

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
R310.1	Same	Emergency Escape and Rescue Openings	<p>Creates an exception that would allow basement bedrooms without ER and Rescue openings if sprinklers in basement. BIAW opposed an amendment like this last cycle and will propose an amendment this cycle to keep it out. Sprinklers are not 100% effective, we don't want there to be an option to build what could be a coffin Write an amendment to omit</p> <p>Steve Shapiro code change allowing basement bedroom egress windows to be eliminated when 13-D sprinklers are present. (Considered a significant change by ICC)</p>	N	N	<p>11/14/2018 TAG recommends no amendment</p> <p>12/5/2018 TAG revisited this issue. There were two votes for an amendment to delete it and 5 votes to retain the 2018 changes.</p>
R310.3		Area Wells for Emergency Escape and Rescue Doors	Clarification (Considered a significant change by ICC)	N	N	11/14/2018 TAG recommends no amendment
	R311	<a href="#">WAC 51-51-0311</a> Means of egress	R311.4 Vertical egress.	N	N	11/14/2018 TAG recommends keeping the RCW unchanged

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
R311.7.1		Handrail Projection	Clarification (Considered a significant change by ICC)	N	N	11/14/2018 TAG recommends no amendment
R311.7.3		Maximum Stair Rise between Landings	Increases rise of a flight of stairs from 147" to 151". Change accommodates tall ceilings in homes without the need for added stairway landings. (Considered a significant change by ICC)	N	N	11/14/2018 TAG recommends no amendment
R311.7.5. 3		Stair Nosings	Clarifies that stair nosings must be consistent throughout the stairway. (Considered a significant change by ICC)	N	N	11/14/2018 TAG recommends no amendment
R311.7.8. 2-8.4		Handrail Projection	Clarification (Considered a significant change by ICC)	N	N	11/14/2018 TAG recommends no amendment
R311.7.1. 1		Alternating Tread Devices and Ships Ladders	(Considered a significant change by ICC)	N	N	11/14/2018 TAG recommends no amendment

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
R311.7.1 2		Alternating Tread Devices and Ships Ladders	Allows ship ladders or alternating tread devices to serve as means of egress from lofts up to 200 sq. ft. Washington State amendment already allows ropes or hang gliders to be used in the same scenario. (Considered a significant change by ICC)	N	N	11/14/2018 TAG recommends no amendment
R312.1		Guards	(Considered a significant change by ICC)	N	N	11/14/2018 TAG recommends no amendment
Same	R313	<a href="#">WAC 51-51-0313</a> Automatic fire sprinkler systems	Section R313—Automatic fire sprinkler systems.  This section is not adopted. Keep housing affordable.	N	N	11/14/2018 TAG recommends keeping the RCW unchanged

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
	R314	<a href="#">WAC 51-51-0314</a> Smoke alarms	<p>Retroactive provision. Wireless is OK as long a interconnected, for permitted work INSIDE the home, OUTSIDE work doesn't trigger this. Plumbing and Mechanical work doesn't trigger this.</p> <p>R314.2.2 Alterations, repairs and additions <b>Missing the word "located" between "smoke alarms" and "as required" in the last sentence</b></p> <p>R314.3 Location</p> <p>Electric work is not exempt in the IRC but it is in the state amendment. Napping areas are not including in the IRC. Retain State amendment to R314.3.</p>	N	N	<p>11/14/2018 TAG recommends keeping the RCW unchanged</p> <p>After vote staff became aware of a needed change to R314.2.2</p> <p>12/12/2018 TAG recommends keeping the WAC unchanged</p>
R314		Smoke Alarms	<p>Smoke alarms in alteration no longer required to be interconnected regardless of removal of wall or ceiling finishes. (Considered a significant change by ICC)</p>	N	N	<p>11/14/2018 TAG recommends no amendment</p>



2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
	R315	<a href="#">WAC 51-51-0315</a> Carbon monoxide alarms	R315.1 General R315.1.1 Listings. R315.2 Where required. R315.2.1 New construction R315.2.2 Alterations, repairs, and additions R315.3 Location. R315.4 Combination alarms. 2018 IRC now requires that CO alarms be interconnected if wall or ceiling finishes being removed so allow.	N	N	11/14/2018 TAG recommends keeping the RCW unchanged
R315		Carbon Monoxide Alarms	CO alarms now required to sound each other when an alarm happens. Can be via wireless connection. (Considered a significant change by ICC)	Y	N	11/14/2018 TAG recommends no amendment
R317.3		Fasteners in Treated Wood	Staples required to be stainless steel in treated wood. Staples are rarely used these days. (Considered a significant change by ICC)	N	N	11/14/2018 TAG recommends no amendment

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
R322.3		Coastal High-Hazard Flood Zones	<p>Prescriptive Language, basically no change from what do now. Breakaway stair or ramp not allowed if primary means of egress. Stairs and ramps in Zone V must be flood resistant, breakaway or able to be raised.</p> <p>Not sure of the impact on Washington State. Bellingham outlawed coastal V zones and A zones years ago. We don't allow waves on our shores.</p> <p>(Considered a significant change by ICC)</p>	N	N	<p>11/14/2018 TAG Tabled this discussion - David Spencer will look into it.</p> <p>11/28/2018 David Spencer reported to the TAG. TAG recommends no amendment</p>

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
	R324	<a href="#">WAC 51-51-03240</a> Solar energy systems	<p>R324.1 General. (Addressed in 2018)</p> <p>R324.2 Solar thermal systems. (Addressed in 2018)</p> <p>R324.3.1 Equipment listing (Addressed in 2018)</p> <p>R324.4 Rooftop-mounted photovoltaic systems (Retain Amendment)</p> <p>R324.4.1 Roof load. (Addressed in 2018)</p> <p>R324.4.2 Wind resistance (Addressed in 2018)</p> <p>R324.5 Building-integrated photovoltaic systems (Addressed in 2018)</p> <p>R324.5.1 Photovoltaic shingles. (Retain Amendment)</p> <p>R324.6 Ground-mounted photovoltaic systems. (Addressed in 2018)</p> <p>R324.7 Access and Pathways (Retain amendment but renumber to R324.6)</p>	N	Y	<p>11/14/2018 TAG recommends modifying the RCW as noted to the left</p> <p>12/12/2018 TAG recommends acceptance of amendment changes</p>

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
R324.4		Rooftop-Mounted Photovoltaic Systems	Recommend we keep existing state amendments (Considered a significant change by ICC)	N	N	11/14/2018 TAG recommends keeping WAC language
R324.6		Roof Access for Photovoltaic Solar Energy Systems	(Considered a significant change by ICC)	N	N	11/14/2018 TAG recommends keeping WAC language.
R324.6.2.2		Solar Panels near Emergency Escape and Rescue Openings	Makes sense not to allow PV panels below an emergency escape opening! ZAP (Considered a significant change by ICC)	N	N	11/14/2018 TAG recommends no amendment

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
	R325	<a href="#">WAC 51-51-0325</a> Adult family homes	R325.1 General. R325.3 Sleeping room classification. R325.4 Types of locking devices and door activation. R325.5 Smoke and carbon monoxide alarm requirements. R325.6 Escape windows and doors. R325.7 Fire apparatus access roads and water supply for fire protection. R325.8 Grab bar general requirements. R325.8.1 Grab bar cross section. R325.8.2 Grab bar installation. R325.8.3 Grab bars at water closets. R325.8.3.1 Fixed position grab bars. R325.8.3.2 Swing-up grab bars. R325.8.4 Grab bars at bathtubs. R325.8.4.1 Vertical grab bars. R325.8.4.2 Horizontal grab bars. R325.8.5 Grab bars at shower stalls. R325.8.5.1 Vertical grab bars. R325.8.5.2 Horizontal grab bars. R325.9 Ramps. R325.9.1 Handrails for ramps. R325.10 Stair treads and risers.	N	Y	11/14/2018 TAG recommends keeping the RCW but modifying it to match the revised numbering 12/12/2018 TAG tabled review of this section

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
			R325.10.1 Handrails for treads and risers. R325.11 Shower stalls. Recommend retaining state amendment and renumbering to R330			
R325.3		Mezzanine Area Limitation	Follows IBC requirements (Considered a significant change by ICC)	N	N	11/14/2018 TAG recommends no amendment
R325.6		Habitable Attics	Clarification (Considered a significant change by ICC)	N	N	11/14/2018 TAG recommends no amendment.
	R326	<a href="#">WAC 51-50-0326</a> Family home child care	R326 Family home child care.	N	Y	11/14/2018 TAG recommends keeping the RCW but modifying it to match the revised numbering 12/12/2018 TAG tabled review of this section

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
	R327	<a href="#">WAC 51-51-0327</a> Protection against radon	R327.1 Protection Against Radon.	N	N	11/14/2018 TAG recommends keeping the RCW unchanged
	R328	<a href="#">WAC 51-51-0328</a> Mezzanines	R328.1 General. R328.2 Mezzanines. R328.3 Area limitation R328.4 Means of egress. R328.5 Openness This changed last code cycle and got missed. Recommend delete amendment. Also note that habitable attics are now included in mezzanine portion of the IRC	N	Y	11/14/2018 TAG recommends eliminating the RCW 12/12/2018 TAG recommends acceptance of amendment changes
	R329	<a href="#">WAC 51-51-0329</a> Swimming pools, spas, and hot tubs	R329.1 General. Only adopt the barrier portions - Renummer state amendment. Defer to Plumbing TAG	N	?	11/14/2018 TAG recommends modifying the RCW as noted to the left and defer to the Plumbing TAG
<b>Chapter 4 Foundations (Willie Hill)</b>						

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
	R408	<a href="#">WAC 51-51-0408</a> Under-floor space	R408.1 Ventilation R408.2 Openings for under-floor ventilation R408.3 Unvented crawl space. Cost increase if R408.3, 2.4 dehumidification is utilized Retain all WAC 2018 has added 2.4 to R408.3	Y	N	12/5/2018 TAG recommends keeping the RCW unchanged
Table R403.3(1)		Insulation Requirements for Frost-Protected Footings	Increases R values for frost resistance protection (Considered a significant change by ICC) Accept as modified in 2018	N	N	12/5/2018 TAG recommends no amendment
Table R403.4		Crushed Stone Footings	Table now includes minimums for depth and width of stone footings Provides consistency with cast in place footing tables (Considered a significant change by ICC) Accept	N	N	12/5/2018 TAG recommends no amendment
R408.3		Unvented Crawl Spaces	Adds additional option for dehumidification controls Cost increase if R408.3, 2.4 dehumidification is utilized (Considered a significant change by ICC)	Y	N	12/5/2018 TAG recommends no amendment
<b>Chapter 5 Floors</b> (Michelle Yee, Tim Woodard)						



2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
Table R505.3.2	Same	Cold-Formed Steel Joist Spans	<p>Change is needed to coordinate changes made by the “Standard for Cold-Formed Steel Framing – Prescriptive Method for One and Two Family Dwellings. Residential Construction (AISI S230)</p> <p>The proposed changes to this section will not increase the cost of construction in general. While the overwhelming majority of the prescribed members have not changed or are reduced in size, there may be conditions for which the minimum member size will increase.</p> <p>(Considered a significant change by ICC)</p>	Y	N	12/5/2018 TAG recommends no amendment
R507	Same	Decks	<p>Change simply removes redundant language.</p> <p>(Considered a significant change by ICC)</p>	N	N	12/5/2018 TAG recommends no amendment

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
R507.2	None	Deck Materials	<p>Change adds in several old sections spread out within the code giving more isolation to this section. Don't need to go to different sections of the code. In addition it adds in minimum standards for wood, fasteners, connectors, and flashing. New section 507.2.1 for wood materials require Pressure treated (or naturally durable lumber always. Seems far reaching. Only evidence submitted was "it's in AWC document now". Over rides current section R317.1.3 that currently takes into account geographical areas. New section R507.2.5 Alternate materials does not reference section R104.11 simply states: "Alternative materials including glass and metals, shall be permitted." Recommend these specific sections be looked into deeper. May need a code change.</p> <p>The IRC Stated that these materials are already required by other sections of the IRC for connecting members outdoors. (Considered a significant change by ICC)</p>	N	Y	<p>12/5/2018 Michelle will draft an amendment for the TAG's consideration 12/12/2018 TAG tabled review of this section</p>

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
R507.3	None	Deck Footings	(Change adds in a table to prescriptively size footings for deck columns. (round and square). Good change as may have been being overlooked. Considered a significant change by ICC)	N	N	12/5/2018 TAG recommends no amendment
R507.4	R507.8	Deck Posts	Change adds additional options to existing table. Options are good. (Considered a significant change by ICC)	N	N	12/5/2018 TAG recommends no amendment
R507.5	R507.6	Deck Beams	Removes redundant language. Coordinates with other deck changes. Good change. (Considered a significant change by ICC)	N	N	12/5/2018 TAG recommends no amendment
R507.6	R507.5	Deck Joists	Removes redundant language. Coordinates with other deck changes. Good change (Considered a significant change by ICC)	N	N	12/5/2018 TAG recommends no amendment
R507.7	R507.4	Decking, Vertical and Lateral	Adds requirement for manufactures instructions on other fasteners and coordinates with other deck changes. Good change. (Considered a significant change by ICC)	N	N	12/5/2018 TAG recommends no amendment
R507.8	R507.1	Support	Removes redundant language. Coordinates with other deck changes. Good change. (Considered a significant change by ICC)	N	N	12/5/2018 TAG recommends no amendment

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
R507.9.2	R507.2.4	<a href="#">WAC 51-51-0507</a> Deck lateral load connections	State amendment needed to section 507.9.2 of 2018 for exemption for decks under 30 inches. Recommend only carrying forward the exception. State amendment needed for foot note "e" to Table R507.9.1.3(2). Recommend carrying forward all of existing R507.2.1 of State Amendment and replacing the new table R507.9.1.3(2) TW Other impacts noted during 12/12/2018 meeting. Look at charging language.	N	Y	12/5/2018 TAG recommends an amendment to the amendment 12/12/2018 TAG tabled review of this section
R507.9	507.5.1	Decking, Vertical and Lateral	Removes redundant language. Coordinates with other deck changes. Good change (Considered a significant change by ICC)	N	N	12/5/2018 TAG recommends no amendment
<b>Chapter 6 Wall Construction (SBCC Staff)</b>						
Table R602.3(6)	None	Alternate Stud Height	A prescriptive requirement is added for studs greater than 10 feet in height, in an exception to Section R602.3.1 as well as a reference to new Table R602.3(6) that applies to 11- and 12-foot-tall walls in one- and two-story buildings. (Considered a significant change by ICC)	N	N	12/5/2018 TAG recommends no amendment

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
Table R602.7(1)	Same	Girder and Header Spans	<p>Girder and header spans are updated assuming No. 2 Southern pine rather than No. 1 Southern pine as used in the 2015 IRC. A footnote is added to clarify that headers and girders are assumed to be braced. For headers with pony walls above, a further reduction in span is taken for 2 3 8 and larger headers.</p> <p>Increased cost may be associated with reduced spans that result from the not laterally braced condition and application of footnote f. Due to smaller building width column (12'), permissible use of Southern Pine No. 2, and the laterally braced assumption for tabulated spans, there are also cases where this change will not increase the cost of construction and may reduce cost of construction.</p> <p>(Considered a significant change by ICC)</p>	Y Additional Cost for some and savings for others	N	12/5/2018 TAG recommends no amendment
Table R602.7(2)		Girder and Header Spans	See directly above (Considered a significant change by ICC)	Y Additional Cost for some and savings for others	N	12/5/2018 TAG recommends no amendment

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
Same	R602.7.5	<a href="#">WAC 51-51-0602</a> Supports for headers	This section is not adopted Recommend omitting the amendment and adopting the 2018 changes. See directly below.	N	Y	12/5/2018 TAG asked staff to prepare a position statement 12/12/2018 TAG recommends acceptance of amendment changes
Table R602.7.5	Same	Lateral Support for Headers	The 2015 IRC full-height stud table is significantly altered. The table increases the number of king studs in higher wind regions and requires only one or two king studs at each end of a header in regions with 115 mph wind speeds. (Considered a significant change by ICC)	N	N	12/5/2018 See directly above 12/12/2018 TAG recommends no amendment
Same	R602.9	<a href="#">WAC 51-51-0602</a> Foundation cripple wall	Change not addressed in 2018 code. Recommend keeping amendment	N	N	12/5/2018 TAG recommends no amendment

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
Table R602.10.3(4)		Seismic Adjustment Factors	Attempts to clarify roof and ceiling dead loads in the top story of a multi-story dwelling and an alternative to use of the BV-WSP bracing method have been added. Table R602.10.3(4) now allows use of Methods WSP and CS-WSP with brick veneer in the second story of a dwelling. (Considered a significant change by ICC)	N	N	12/5/2018 TAG recommends no amendment
R602.10.4.1		Mixing Bracing Methods	Mixing of continuous sheathing methods with an intermittent alternate bracing method is clarified. Braced wall line(s) containing an intermittent alternate method must have sufficient bracing length for the alternate method, not just for the continuous sheathing method. (Considered a significant change by ICC)	N	N	12/5/2018 TAG recommends no amendment
R602.10.6.4		Method CS-PF—Continuously Sheathed Portal Frame	Method Continuous Sheathing—Portal Frame (CS-PF) has been tweaked slightly in this code edition. A note is added emphasizing that when a single CS-PF is built, the side of the portal frame that has a post must have continuous sheathing beyond that end of the portal frame. (Considered a significant change by ICC)	N	N	12/5/2018 TAG recommends no amendment

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
R602.10.6.5		Method BV-WSP	An attempt to clarify use of the BV-WSP method is made. New limits are added to Section R602.10.6.5. (Considered a significant change by ICC)	N	N	12/5/2018 Tabled by TAG 12/12/2018 TAG recommndd no amendment
R602.10.10	R602.10.11	<a href="#">WAC 51-51-0602</a> Cripple wall bracing	Change not addressed in 2018 code. Modify amendment to reflect renumbering in 2018	N	Y	12/5/2018 TAG recommends modifying the amendment 12/12/2018 TAG recommends acceptance of amendment changes



2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
Table R603.3.1		Cold-Formed Steel Wall Construction	Cold-formed steel connection tables are updated for wind speeds less than 140 miles per hour. Values in the IRC tables now match AISI S230, the Standard for cold-formed steel framing—prescriptive method for one- and two-family dwellings. The proposed changes to this section will not increase the cost of construction in general. While the overwhelming majority of the prescribed members have not changed or are reduced in size, there may be conditions for which the minimum member size will increase. (Considered a significant change by ICC)	Y	N	12/5/2018 TAG recommends no amendment
Table R603.3.1.1(2)		Cold-Formed Steel Wall Construction	See directly above (Considered a significant change by ICC)	Y	N	12/5/2018 TAG recommends no amendment
	R609.3	<a href="#">WAC 51-51-0609</a> Testing and labeling	Change not reflected in 2018 code. Recommend retaining amendment	N	N	12/5/2018 TAG recommends keeping the amendment

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
Section R610		Structural Insulated Panels	The section on structural insulated panels is reorganized. Information on facers, core and adhesive requirements are now located in APA PRS 610.1 and deleted from the IRC. (Considered a significant change by ICC)	N	N	12/5/2018 TAG recommends no amendment
<b>Chapter 7 Wall Covering (Jim Tinner)</b>						
	R702	<a href="#">WAC 51-51-0702</a> Interior covering	Other finishes State amendment: All structural panel components within the conditioned space such as plywood, particle board, wafer board and oriented strand board shall be identified as "EXPOSURE 1," "EXTERIOR" or "HUD-APPROVED."	N	N	11/28/2018 TAG recommends keeping the existing amendment.

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
	R703	<a href="#">WAC 51-51-0703</a> Exterior covering	<p>Water resistance</p> <p>Most of state amendment is now in the 2018 IRC. Only the language “Protection against condensation in the exterior wall” was not added.</p> <p>Also state amendment provides a third exception to this section.</p> <p>“The requirement for a means of drainage shall not be construed to mean an air space cavity under the exterior cladding for an exterior wall clad with panel or lapped siding made of plywood, engineered wood, hardboard, or fiber cement. A water-resistive barrier as required by Section R703.2 will be required on exterior walls.”</p> <p>Recommend modifying this amendment to incorporate current IRC language</p>	N	Y	<p>11/28/2018 TAG recommends amending the amendment</p> <p>12/12/2018 TAG tabled review of this section</p>
R703.2		Water-Resistive Barrier	<p>Takes away exemption for accessory buildings. Industry standard is to use WRB on everything.</p> <p>(Considered a significant change by ICC)</p>	N	N	<p>11/28/2018 TAG recommends no amendment.</p>

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
R703.3.1		Soffit Installation	Provides material and attachment requirements for closed soffits (Considered a significant change by ICC)	N	N	11/28/2018 TAG recommends no amendment.
R703.8.4	Same	Veneer Anchorage through Insulation	Clarifies that veneer wall anchors can be attached through exterior rigid insulation (Considered a significant change by ICC)	N	N	11/28/2018 TAG recommends no amendment.
Table R703.8.4(1)	Same	Airspace Requirements	Clarifies that some mortar spills are allowing in air space required between veneer and wall (Considered a significant change by ICC)	N	N	11/28/2018 TAG recommends no amendment.
R703.11.2	Same	Vinyl Siding Installation Over Foam Plastic Sheathing	Allows vinyl siding to be installed over exterior insulation in high wind regions (Considered a significant change by ICC)	N	N	11/28/2018 TAG recommends no amendment.
<b>Chapter 8 Roof-ceiling Construction (Michelle Yee)</b>						
R802		Roof Framing	R802.1.8 New – Prefab I joists added to wood/wood based products linking it to relevant standard. R802.5.1 Redundancy language (Considered a significant change by ICC)	N	N	12/12/2018 TAG recommends no amendment

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
R802.1.5.4		Labeling	Labeling exists for PT. This clarifies and provides consistency that manufacturers label FRTW for grade of wood and treatment. Acceptable change (Considered a significant change by ICC)	N	N	11/14/2018 TAG recommends no amendment
R806.2		Minimum Vent Area	Needs to be discussed, committee approved both Two theories group needs to discuss. RB324-16 revision is to include <b>both</b> of the following conditions: (A.) 1. Vapor Retarder is installed on warm in winter side. 2. Not less than 40% not more than 50% req. venting area is provided. This increases cost and provides clarification to align IRC with IBC.  RB325-16 (B.) Change only to exception 2. To update the wording...req. ventilation provided shall be located in the bottom 1/3 of attic space. This does not increase cost. (Considered a significant change by ICC)	RB324-16 - Y RB325-16 -N	N	12/12/2018 TAG recommends no amendment
R806.5		Unvented Attics	Removes excessive wording Acceptable Change (Considered a significant change by ICC)	N	N	11/14/2018 TAG recommends no amendment

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
<b>Chapter 9 Roof Assemblies</b> (Tim Woodard)						
	R903	<u>WAC 51-51-0903</u> Weather protection	Amendment needed to coordinate Washington State Plumbing Code and code sections vs. code referenced IPC requirements. Refer to WSPC Tag to verify correct section references with new Plumbing Code	N	?	12/12/2018 Tag recommended keeping amendment and coordinate with Plumbing Code TAG
Table R905.1.1(1)		Underlayment Requirements for Photovoltaic Shingles	Identifies "Photovoltaic shingles" as a Roof Covering. As such needs to add "Photovoltaic Shingles" to the table in order to identify required standards for underlayment. <b>Change is acceptable</b> (Considered a significant change by ICC)	N	N	12/12/2018 TAG recommends no amendment
Table R905.1.1(2)		Underlayment Requirements for Photovoltaic Shingles	Needs to be added to table to coordinate appropriate minimum underlayment installation standards. <b>Change is acceptable</b> (Considered a significant change by ICC)	N	N	12/12/2018 TAG recommends no amendment

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
R905.17		Building Integrated Photovoltaic Panels	Seems unnecessary; however, won't cause any harm. The Building Integrated Photovoltaic Panels people wanted their product referenced in the code. This establishes an entire section devoted just to Photovoltaic Panels vs Photovoltaic Shingles. Note: next cycle the tables above will change again to include this new BIPV. <b>Note: TAG Goal is to minimize amendments, therefore, if there is no harm in keeping it SBCC staff recommends no amendment</b> (Considered a significant change by ICC)	N	N	12/12/2018 TAG recommends no amendment
<b>Chapter 10 Chimneys and Fireplaces (SBCC Staff)</b>						
	R1001	<a href="#">WAC 51-51-1001</a> Masonry fireplaces	Amendment was not addressed by the 2018 IRC.	N	N	11/14/2018 TAG recommends keeping WAC unchanged
	R1002	<a href="#">WAC 51-51-1002</a> Masonry heaters	Amendment adds the work "or" between 1 and 2 in R1002.2. R1002.2.1 was not addressed by the 2018 IRC. Because the word "or" causes no harm, I recommend no changes to the amendment.	N	N	11/14/2018 TAG recommends keeping WAC unchanged

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
	R1004	<a href="#">WAC 51-51-1004</a> Factory-built fireplaces	Amendment was not addressed by the 2018 IRC.	N	N	11/14/2018 TAG recommends keeping WAC unchanged
R1005.8		Chimney Insulation Shield	Factory-built chimneys, which have been required to maintain a minimum clearance to insulation, are now required to have an insulation shield to provide the clearance. (Considered a significant change by ICC)	Y	N	11/14/2018 TAG recommends no amendment.
	R1006	<a href="#">WAC 51-51-1006</a> Exterior air supply	Amendment was not addressed by the 2018 IRC. Recommend addressing numbering conflict by renumbering amendment R1006.2 to R1006 .6	N	Y	11/14/2018 TAG recommends keeping WAC but revising numbering 12/12/2018 TAG recommends acceptance of amendment changes
<b>Chapter 11 Not adopted per WAC 51-51-003)</b>						



2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
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**Chapter 12 Mechanical Administration (IMC TAG)**

	M1201.1	<a href="#">WAC 51-51-1201</a> Scope				
	M1201.3	<a href="#">WAC 51-51-1201</a> Construction documents				
	M1201.4	<a href="#">WAC 51-51-1201</a> Testing				

**Chapter 13 General Mechanical System Requirements (IMC TAG)**

	M1301.2	<a href="#">WAC 51-51-1301</a> Identification				
None	M1305.1.1	Furnaces and air handlers	The appliance access and clearance requirements for furnaces in compartments have been removed from the code in favor of other code provisions and the manufacturer's instructions. (Considered a significant change by ICC)			

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
M1305.1.3.2	M1305.1.4.2	Excavations Pit locations	The requirements for appliance installation in pits has been expanded to provide more detail and to be similar to language found in other ICC codes. The minimum bottom clearance has been reduced from 6 inches to 3 inches. (Considered a significant change by ICC)			
	M1307.2	<a href="#">WAC 51-51-1307</a> Anchorage of appliances				
<b>Chapter 14 Heating and Cooling Equipment and Appliances (IMC TAG)</b>						
	M1413.1	<a href="#">WAC 51-51-1413</a> General				
<b>Chapter 15 Exhaust Systems (IMC TAG)</b>						
M1502.3.1	None	Exhaust termination outlet and passageway size.	A minimum area of 12.5 square inches has been established for the terminal outlet of dryer duct exhaust. (Considered a significant change by ICC)			

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
M1502.4.2	Same	Duct installation	Wall and ceiling cavities enclosing dryer exhaust ducts must provide sufficient space that the 4-inch duct is not squeezed out of its round shape. (Considered a significant change by ICC)			
SECTION M1503	Same	<del>RANGE HOODS</del> DOMESTIC COOKING EXHAUST EQUIPMENT	“Domestic cooking exhaust equipment” is the preferred terminology for “kitchen exhaust” because it is more descriptive and includes all of the components of the exhaust system. Addresses M1503.1, M1503.2, M1503.3, M1504.4, eliminates Section M1504 and eliminates Section M1505. (Considered a significant change by ICC)			
M1503.6	M1503.4	Makeup air required	Makeup air for domestic cooking exhaust systems is no longer required if all fuel-burning appliances in the dwelling unit have a direct vent or mechanical draft vent system (Considered a significant change by ICC)			
	M1505.1	<a href="#">WAC 51-51-1505</a> General				
	M1507.1	<a href="#">WAC 51-51-1507</a> General				

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
	M1507.2	<a href="#">WAC 51-51-1507</a> Recirculation of air				
	M1507.3	<a href="#">WAC 51-51-1507</a> Whole-house mechanical ventilation system				
	M1507.3.1	<a href="#">WAC 51-51-1507</a> System design				
	M1507.3.2	<a href="#">WAC 51-51-1507</a> Control and operation				
	M1507.3.2.1	<a href="#">WAC 51-51-1507</a> Operating instructions				
	M1507.3.3	<a href="#">WAC 51-51-1507</a> Mechanical ventilation rate				
	Table M1507.3.3 (1)	<a href="#">WAC 51-51-1507</a> Continuous Whole-House Mechanical Ventilation System Airflow Rate Requirements				
	Table M1507.3.3 (2)	<a href="#">WAC 51-51-1507</a> Intermittent Whole-House Mechanical Ventilation Rate Factors				
	M1507.3.4	<a href="#">WAC 51-51-1507</a> Whole-house ventilation using exhaust fans				

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
	M1507.3.4 .1	<a href="#">WAC 51-51-1507</a> Whole-house ventilation fans				
	M1507.3.4 .2	<a href="#">WAC 51-51-1507</a> Fan noise				
	M1507.3.4 .3	<a href="#">WAC 51-51-1507</a> Fan controls				
	M1507.3.4 .4	<a href="#">WAC 51-51-1507</a> Ventilation openings				
	M1507.3.5	<a href="#">WAC 51-51-1507</a> Whole-house ventilation integrated with a forced-air system				
	M1507.3.5 .1	<a href="#">WAC 51-51-1507</a> Integrated whole-house ventilation systems				
	M1507.3.5 .2	<a href="#">WAC 51-51-1507</a> Ventilation duct insulation				
	M1507.3.5 .3	<a href="#">WAC 51-51-1507</a> Outdoor air inlets				
	M1507.3.6	<a href="#">WAC 51-51-1507</a> Whole-house ventilation using a supply fan				
	M1507.3.6 .1	<a href="#">WAC 51-51-1507</a> Outdoor air				
	M1507.3.6 .2	<a href="#">WAC 51-51-1507</a> Ducts				

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
	Table M1507.3.6.2	<a href="#">WAC 51-51-1507</a> Prescriptive Supply Fan Duct Sizing				
	M1507.3.6.3	<a href="#">WAC 51-51-1507</a> Dampers				
	M1507.3.6.4	<a href="#">WAC 51-51-1507</a> Ventilation duct insulation				
	M1507.3.6.5	<a href="#">WAC 51-51-1507</a> Outdoor air inlets				
	M1507.3.7	<a href="#">WAC 51-51-1507</a> Whole-house ventilation using a heat recovery ventilation system				
	M1507.3.7.1	<a href="#">WAC 51-51-1507</a> Heat recovery ventilation systems				
	M1507.3.7.2	<a href="#">WAC 51-51-1507</a> Ventilation duct insulation				
	M1507.3.7.3	<a href="#">WAC 51-51-1507</a> Outdoor air inlets				
	M1507.4	<a href="#">WAC 51-51-1507</a> Local exhaust				
	Table M1507.4	<a href="#">WAC 51-51-1507</a> Minimum Required Local Exhaust Rates For One- and Two-Family Dwellings				

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
	M1507.4.1	<a href="#">WAC 51-51-1507</a> Local exhaust fans				
	M1507.4.2	<a href="#">WAC 51-51-1507</a> Local exhaust controls				
<b>Chapter 16 Duct Systems (IMC TAG)</b>						
	M1601.1.1	<a href="#">WAC 51-51-1600</a> Above-ground duct systems				
M1601.1.2	Same	Underground duct systems	Underground ducts, including both direct-burial ducts and those encased in concrete, require sealing and testing (Considered a significant change by ICC)			
<b>Chapter 17 Combustion Air (IMC TAG)</b>						
	M1701.1	<a href="#">WAC 51-51-1700</a> Scope				
<b>Chapter 18 Chimneys and Vents (IMC TAG)</b>						

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
<b>Chapter 19 Special Appliances, Equipment and Systems (IMC TAG)</b>						
SECTION M1901	Same	RANGES AND OVENS	The provisions for reduced clearances above above cooking surfaces have been clarified. The listing requirement for microwave ovens has been added to Section M1901 (Considered a significant change by ICC)			
<b>Chapter 20 Boilers and Water Heaters (IMC TAG)</b>						
	M2005.1	<a href="#">WAC 51-51-2000</a> General				
<b>Chapter 21 Hydronic Piping (IMC TAG)</b>						
	M2101.3	<a href="#">WAC 51-51-2101</a> Protection of potable water				



2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
	M2101.7	<a href="#">WAC 51-51-2101</a> Prohibited tee applications				
Table M2101.9	Same	Hanger Spacing Intervals	Support spacing requirements for PEX tubing 1. inches and greater in diameter have been added to Table M2101.9 (Considered a significant change by ICC)			
M2101.10	Same	Tests.	Compressed air testing of PEX hydronic piping is now allowed when testing is in accordance with the manufacturer's instructions. (Considered a significant change by ICC)			
M2103.2	Same	Thermal barrier required	For hydronic floor heating systems, the minimum insulation R-values have been removed from Section M2103.2 and a reference to the energy provisions of Chapter 11 has been added. (Considered a significant change by ICC)			
M2103.2.1						
	M2103.3	<a href="#">WAC 51-51-2103</a> Piping joints				
	M2105.9	<a href="#">WAC 51-51-2105</a> CPVC plastic pipe				
	M2105.14	<a href="#">WAC 51-51-2105</a> PVC plastic pipe				

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
	M2105.18	<a href="#">WAC 51-51-2105</a> Protection of potable water				
	M2105.19	<a href="#">WAC 51-51-2105</a> Pipe penetrations				
<b>Chapter 22 Special Piping and Storage Systems (IMC TAG)</b>						
<b>Chapter 23 Solar Thermal Energy Systems (IMC TAG)</b>						
M2301.2.1	Same	Access.	The requirements for access and freeze protection related to solar thermal energy systems have been expanded to provide detailed guidance to the code user. (Considered a significant change by ICC)			
	M2301.2.3	<a href="#">WAC 51-51-2300</a> Pressure and temperature relief valves and system components				

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
	M2301.2.5	<a href="#">WAC 51-51-2300</a> Piping insulation				
M2301.2.6	Same	Protection from freezing	The requirements for access and freeze protection related to solar thermal energy systems have been expanded to provide detailed guidance to the code user. (Considered a significant change by ICC)			
	M2301.4	<a href="#">WAC 51-51-2300</a> Heat transfer gasses or liquids and heat exchangers				
	M2301.7	<a href="#">WAC 51-51-2300</a> Solar thermal systems for heating potable water				
	M2301.7.1	<a href="#">WAC 51-51-2300</a> Indirect systems				
	M2301.7.2	<a href="#">WAC 51-51-2300</a> Direct systems				
<b>Chapter 24 Fuel Gas (IMC TAG)</b>						

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
G2406.2 (303.3)	Same	Prohibited locations	A gas-fired clothes dryer is now allowed to be installed in a bathroom or toilet room where a permanent opening communicates with other permitted spaces. (Considered a significant change by ICC)			
G2411.2 (310.2)	G2411.1.1 (310.1.1.1)	CSST.	The existing provisions for electrical bonding apply to CSST without an arc-resistant jacket or coating and a new section addresses electrical continuity and bonding of arc-resistant CSST (Considered a significant change by ICC)			
G2411.3 (310.3)	None	Arc-resistant CSST	The existing provisions for electrical bonding apply to CSST without an arc-resistant jacket or coating and a new section addresses electrical continuity and bonding of arc-resistant CSST (Considered a significant change by ICC)			
G2414.4.2 (403.4.2)	Same	Steel.	The code now allows Schedule 10 steel pipe to be used for fuel-gas piping. (Considered a significant change by ICC)			

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
G2414.10 .1 (403.10.1)	Same	Pipe joints	The code now allows Schedule 10 steel pipe to be used for fuel-gas piping. (Considered a significant change by ICC)			
G2415.11 (404.11)	Same	Protection against Corrosion	Reorganization of this section includes new provisions to address corrosion protection of underground steel gas piping and protection for steel risers other than anodeless risers. (Considered a significant change by ICC)			
G2420.5.1 (409.5.1)	Same	Located within same room	Shutoff valves located behind movable appliances are considered as meeting the requirement for access. (Considered a significant change by ICC)			
G2420.6	None	Shutoff valves in tubing systems	Shutoff valves in gas tubing systems require rigid support separate from the tubing to prevent damage at the valve connection. (Considered a significant change by ICC)			

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
None	G2442.2 (618.2)	Forced-air furnaces	The prescriptive duct size requirements for forced-air furnaces have been deleted in favor of other sizing methods specific to the appliance. (Considered a significant change by ICC)			
G2447.2 (623.2)	Same	Prohibited location	Commercial cooking appliances are now permitted in dwelling units when installed in accordance with an engineered design and the manufacturer's instructions. (Considered a significant change by ICC)			
<b>Chapters 25 – 43 Not adopted per WAC 51-51-003</b>						
<b>Chapter 44 Referenced Standards (SBCC Staff)</b>						
<b>Appendix F Radon Gas Methods (Adopted per WAC 51-51-003) (Willie Hill)</b>						

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
Same	Appendix F	<a href="#">WAC 51-51-60101</a> Radon control methods	No additional changes to 2018 Retain Confusing, the 2018 has substantial changes to the 2015 in this appendix, even the title has changed, However, the 2018 has no code change notation in the appendix pages and the significant changes reflect nothing. <b>I wonder if there is an erata for this appendix?</b>	N	N	12/5/2018 TAG recommends revisiting this amendment 12/12/2018 TAG recommends keeping WAC unchanged
Same	AF103	<a href="#">WAC 51-51-60103</a> Requirements	<b>AF103.1 General.</b> The following construction techniques are intended to resist radon entry and prepare the building for post-construction radon mitigation, if necessary (see Figure AF102). These techniques are required in high radon potential counties designated in Table AF101(1).	N	Y	12/5/2018 TAG recommends revisiting this amendment 12/12/2018 TAG recommends acceptance of amendment changes
<b>Appendix Q (2015 IRC) Dwelling unit fire sprinkler systems (Adopted per WAC 51-51-003) (Todd Short)</b>						

2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
Appendix U	Appendix Q	<a href="#">WAC 51-51-60105</a> Dwelling unit fire sprinkler systems	The design and installation of residential fire sprinkler systems shall be in accordance with the 2015 International Residential Code Section P2904 Dwelling Unit Fire Sprinkler Systems. Q is now Tiny Houses	N	Y	12/12/2018 TAG recommends acceptance of amendment changes
<b>Appendix T Solar-ready Provisions—Detached One- and Two-family Dwellings and Townhouses (SBCC Staff)</b>						
Appendix T	Appendix U	<a href="#">WAC 51-51-60106</a> Solar-ready provisions- detached one- and two-family dwellings, multiple single-family dwellings (townhouses)	Some but not all of the amendment have been addressed by the 2018 IRC. An amendment is recommended. <b>Note: adoption without SBCC approval is addressed in RCW 50-50-0102.</b>	N	Y	11/14/2018 TAG recommend an amendment which includes local adoption without SBCC approval or notification 12/12/2018 TAG recommends acceptance of amendment changes



2018 Code Section	2015 Code Section	Title or Subject	Reviewer Comments	Economic Impact (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
Appendix T	Appendix U	Solar-Ready Zone	The significant 2018 IRC changes were already addressed with statewide amendments. (Considered a significant change by ICC)	N	N	12/12/2018 TAG recommends no amendment.
<b>Appendix V (2015 IRC) Fire Sprinklers (Todd Short)</b>						
	Appendix V	<a href="#">WAC 51-51-60107</a> Fire sprinklers	Fire sprinklers.  The provisions contained in this appendix are not mandatory unless specifically referenced in the adopting ordinance. AV107.1 Fire sprinklers. An approved automatic fire sprinkler system shall be installed in new one-family and two-family dwellings and townhouses in accordance with Appendix Q.	N	Y	12/12/2018 TAG recommends acceptance of amendment changes.