IRC TAG Existing Amendment Review

IRC Existing Amendment Review		
Repeal Existing Amendment	Modify Existing Amendment:	Keep existing amendment (May include renumbering):

Red text = State amended language
Blue text = 2024 Model code change language

Last Updated: February 27, 2025

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
PREFACE							
51-51-001	Authority.	NA	NA	NA	Keep existing amendment		
	These rules are adopted under the authority of chapter **19.27** RCW.						
51-51-002	Purpose	NA	NA	NA	Keep existing amendment		
	The purpose of these rules is to implement the provisions of chapter **19.27** RCW, which provides that the state building code council shall maintain the State Building Code in a status which is consistent with the purpose as set forth in RCW **19.27.020**. In maintaining the codes, the council shall regularly review updated versions of the codes adopted under the act, and other pertinent information, and shall amend the codes as deemed appropriate by the council.						
51-51-003	International Residential Code	NA	NA	NA	Modify Existing Amendment		Editorial, Modification needed is editorial. Update code year and adjust appendices as necessary.
	The 2021 edition of the *International Residential Code* as published by the International Code Council is hereby adopted by reference with the following additions, deletions, and exceptions: Provided that chapters 11 and 25 through 43 of this code are not adopted. Energy Code is regulated by chapter **51-11R** WAC; Plumbing Code is regulated by chapter **51-56** WAC; Electrical Code is regulated by chapter **296-46B** WAC or Electrical Code as adopted by the local jurisdiction. Appendix AF, Radon Control Methods, Appendix AQ, Tiny Homes, and Appendix AWU, Dwelling Unit Fire Sprinkler Systems, are included in adoption of the International Residential Code.						
51-51-007	Exceptions	NA	NA	NA	Modify Existing Amendment		Editorial, Modification needed is editorial. Pronouns to change to Their
	The exceptions and amendments to the International Residential Code contained in the provisions of chapter **19.27** RCW shall apply in case of conflict with any of the provisions of these rules. The provisions of this code do not apply to temporary growing structures used solely for the commercial production of horticultural plants including ornamental plants, flowers, vegetables, and fruits. "Temporary growing structure" means a structure that has the sides and roof covered with polyethylene, polyvinyl, or similar flexible synthetic material and is used to provide plants with either frost protection or increased heat retention. A temporary growing structure is not considered a building for purposes of this code. The provisions of this code do not apply to the construction, alteration, or repair of temporary worker housing except as provided by rule adopted under chapter **70.114A** RCW or chapter 37, Laws of 1998 (SB 6168). "Temporary worker housing" means a place, area, or piece of land where sleeping places or housing sites are provided by an employer for his or her employees or by another person, including a temporary worker housing operator, who is providing such accommodations for employees, for temporary, seasonal occupancy, and includes "labor camps" under RCW **70.54.110**. Codes referenced which are not adopted through RCW **19.27.031** or chapter **19.27A** RCW shall not apply unless specifically adopted by the authority having jurisdiction. The standards for liquefied petroleum gas installations shall be NFPA 58 (Liquefied Petroleum Gas Code) and NFPA 54 (National Fuel Gas Code). All other fuel gas installations shall be regulated by the International Mechanical Code and International Fuel Gas Code.						

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
51-51-008	Implementation	NA	NA	NA	Modify Existing Amendment		Editorial, Modification needed is editorial.
	The International Residential Code adopted by chapter **51-51** WAC shall become effective in all counties and cities of this state on March 15, 2024.						
CHAPTER 1 SCOPE AND ADMINISTRATION (Part I Administrative)							
	Scope and General Requirements	R101.2	R101.2	Original amendment created to bring a sprinkler exception for lodging houses. (WSR 15-16-086) Next Modification to amendment in 2018 cycle addressed appendix renumbering. (WSR 19-16-156) Last revision to amendment language occurred in the 2021 Cycle and brought modifications necessary to align with model code language. (WSR 22-17-148) Editorial Amendment revises appendix U to WU to avoid confusion (WSR 23-15-030)	Modify Existing Amendment		Proposal Needed. This section has had an opinion written for it see Opinion 24-27. This Section Needs Work to increase clarity.
51-51-01010	**R101.2 Scope.** The provisions of the *International Residential Code for One- and Two-Family Dwellings* shall apply to the construction, *alteration*, movement, enlargement, replacement, *repair*, *equipment*, use and occupancy, location, removal and demolition of detached one- and two-family dwellings, adult family homes, and *townhouses* not more than three stories above *grade plane* in height with a separate means of egress and their *accessory structures* not more than three stories above *grade plane* in height. EXCEPTIONS: 1. Live/work units located in *townhouses* and complying with the requirements of Section 508.5 of the *International Building Code* shall be permitted to be constructed in accordance with the *International Residential Code for One- and Two-Family Dwellings*. An automatic sprinkler system required by Section 508.5.7 of the *International Building Code* where constructed under the *International Residential Code for One- and Two-Family Dwellings* shall conform to Appendix AWU. 2. Owner-occupied lodging houses with one or two guestrooms shall be permitted to be constructed in accordance with the *International Residential Code forOne- and Two-Family Dwellings*. 3. Owner-occupied lodging homes with three to five guestrooms shall be permitted to be constructed in accordance with the *International Residential Code for One- and Two-Family Dwellings* where equipped with an automatic fire sprinkler system in accordance with Appendix AWU. 4. A care facility with five or fewer persons receiving custodial care within a dwelling unit shall be permitted to be constructed in accordance with the *International Residential Code for One- and Two-Family Dwellings* where equipped with an automatic fire sprinkler system in accordance with Appendix AWU. 5. A day care facility with five or fewer persons of any age receiving medical care within a dwelling unit shall be permitted to be constructed in accordance with the *International Residential Code for One- and Two-Family Dwellings* where equipped with an automatic fire sprinkler system in accordance with Appendix AWU. 6. A care facility with five or fewer persons receiving care that are within a single-family dwelling shall be permitted to be constructed in accordance with the *International Residential Code for One- and Two-Family Dwellings* where equipped with an automatic fire sprinkler system in accordance with Appendix AWU.						

Commented [DC1]: The word “unit” is part of the existing amendment but is now a part of model code language for 2024.

<table>
<tr><th>WAC</th><th>Title or Subject</th><th>2021 IRC #</th><th>2024 IRC #</th><th>Rationale</th><th>2024 Staff Recommendation</th><th>2024 TAG Member Recommendation</th><th>Other Comments</th></tr>
<tr><td>51-51-0102</td><td>Applicability</td><td>R102.5</td><td>R101.2.1</td><td>As part of the 2006 cycle amendment created to clarify appendices not applicable unless adopted locally and approved by the SBCC (WSR 06-16-112) 2009 cycle, adds preapproved sprinkler appendix S for adoption upon notification of the SBCC. Also adopts appendices G for pools and R for Dwelling Sprinkler systems. (WSR 09-01-140) 2015 cycle adds appendices R, S, U, and V preapproved for local adoption. (WSR 15-16-086) 2021 cycle changes WA Appendix U to WU for clarity, and adds Appendices T, Y, and Z to preapproved adoption list. (WSR 23-15-030)</td><td>Modify Existing Amendment</td><td></td><td>Editorial, Incorporate New Model Code Language, Renumber, and Verify Appendix numbering.</td></tr>
<tr><td rowspan="4">51-51-0102</td><td colspan="7">R102.5 Appendices. Provisions in the appendices shall not apply unless specifically adopted ~~referenced in the adopting ordinance.~~ An appendix adopted by a local jurisdiction shall not be effective unless approved by the state building code council pursuant to RCW 19.27.060 (1)(a).
EXCEPTIONS:
1. The state building code council has determined that a local ordinance providing specifications for light straw-clay or strawbale construction, requiring a solar-ready zone, requiring fire sprinklers, or addressing construction and demolition material management or building deconstruction in accordance with Appendix AR, AS, AT, AWV, AWY, or AWZ of this code may be adopted by any local government upon notification of the council.
2. Appendix AF, Radon Control Methods, Appendix AQ, Tiny Homes, and Appendix AWU, Dwelling Unit Fire Sprinkler Systems, are included in adoption of the International Residential Code.</td></tr>
<tr><td>Applicability</td><td>R102.7.1</td><td>R102.6.1</td><td>2009 cycle added an exception for ventilation and radon protection. (WSR 09-17-140) 2021 cycle incorporates model code language. (WSR 22-17-148)</td><td>Keep existing amendment</td><td></td><td>Editorial, Renumber to R102.6.1</td></tr>
<tr><td colspan="7">R102.7.1 Additions, alterations, change of use, repairs, or relocations. Additions, alterations, repairs, or relocations shall be permitted to conform to the requirements of the provisions of Chapter 45 or shall conform to the requirements for new structure without requiring the existing structure to comply with the requirements of this code, unless otherwise stated. Additions, alterations, repairs, and relocations shall not cause an existing structure to become less compliant with the provisions of this code than the existing building or structure was prior to the addition, alteration, repair, or relocation. Where additions, alterations, or changes of use to an existing structure result in a use or occupancy, height, or means of egress outside the scope of this code, the building shall comply with the International Existing Building Code.
EXCEPTIONS:
1. The state building code council has determined that a local ordinance providing specifications for light straw-clay or strawbale construction, requiring a solar-ready zone, requiring fire sprinklers, or addressing construction and demolition material management or building deconstruction in accordance with Appendix AR, AS, AT, AWV, AWY, or AWZ of this code may be adopted by any local government upon notification of the council.
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<tr><td colspan="7"><table>
<tr><td>Applicability</td><td>102.7.2</td><td>NA</td><td>Existing prior to adoption of 2003 Codes (WSR 03-18-077)</td><td>Keep existing amendment</td><td></td><td>Editorial, Renumber to 102.6.2</td></tr>
<tr><td colspan="7">R102.7.2 Moved buildings. Buildings or structures moved into or within a jurisdiction shall comply with the provisions of this code, the International Building Code (chapter 51-50 WAC), the International Mechanical Code (chapter 51-52 WAC), the International Fire Code (chapter 51-54A WAC), the Uniform Plumbing Code and Standards (chapter 51-56 WAC), and the Washington State Energy Code (chapter 51-11R WAC) for new buildings or structures.
EXCEPTION: Group R-3 buildings or structures are not required to comply if:
1. The original occupancy classification is not changed; and
2. The original building is not substantially remodeled or rehabilitated. For the purposes of this section a building shall be considered to be substantially remodeled when the costs of remodeling exceed 60 percent of the value of the building exclusive of the costs relating to preparation, construction, demolition or renovation of foundations.</td></tr>
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WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
CHAPTER 2 DEFINITIONS (Part II Definitions)							
	Definition	202	202	Existing prior to adoption of 2003 Codes (WSR 03-18-077) Modified in 2018 codes off-cycle to address increasing the number of bedsfrom 6 to 8. (WSR 21-03-080)	Keep existing amendment		
	ADULT FAMILY HOME. A dwelling, licensed by the state of Washington department of social and health services, in which a person or persons provide personal care, special care, room and board to more than one but not more than six adults who are not related by blood or marriage to the person or persons providing the services. An existing adult family home may provide services to up to eight adults upon approval from the department of social and health services in accordance with RCW **70.128.066**.						
	Definition	202	202	Added in 2018 cycle no rationale in CR document (WSR 19-16-156)	Keep existing amendment		Chapter 11 not adopted per 51-51-003
	BUILDING. Any one- or two-family *dwelling* or *townhouse*, or portion thereof used or intended to be used for human habitation, for living, sleeping, cooking or eating purposes, or any combination thereof, or any accessory structure. ~~For the definition applicable in Chapter 11, see Section N1101.6.~~						
	Definition	202	202	Added in 2018 cycle no rationale in CR document (WSR 19-16-156)	Keep existing amendment		Editorial, Align with Model Code. Definition is for "EXISTING BUILDING"
	BUILDING, EXISTING. ~~Existing building is~~ A *building* or structure erected prior to the adoption of this code, or one ~~for which a legal building permit has been issued~~ that has passed a final inspection.						
	Definition	202	202	Existing prior to adoption of 2003 Codes (WSR 03-18-077) 2012 cycle modified the definition (WSR 12-16-091) 2021 code off-cycle change to increase from 12 to 16 children. (WSR 23-23-038)	Keep existing amendment		
51-51-0202	**CHILD CARE, FAMILY HOME.** A child care facility, licensed by Washington state, located in the dwelling of the person or persons under whose direct care and supervision the child is placed, for the care of 16 or fewer children, including children who reside at the home.						
	Definition	202	202	Existing prior to adoption of 2003 Codes (WSR 03-18-077)	Keep existing amendment		
	CHILD DAY CARE, shall, for the purposes of these regulations, mean the care of children during any period of a 24-hour day.						
	Definition	202	202	Added in 2015 cycle, no rationale in CR document. (WSR 15-16-086)	Keep existing amendment		Chapter 11 not adopted per 51-51-003
	CONDITIONED SPACE. ~~For the definition applicable in Chapter 11, see Section N1101.6~~ An area, room or space that is enclosed within the building thermal envelope and that is directly or indirectly heated or cooled. Spaces are indirectly heated or cooled where they communicate through openings with conditioned spaces, where they are separated from conditioned spaces by uninsulated walls, floors or ceilings, or where they contain uninsulated ducts, piping or other sources of heating or cooling.						
	Definition	202	202	Added in 2018 cycle no rationale in CR document (WSR 19-16-156)	Keep existing amendment		
	DISTRIBUTED WHOLE-HOUSE VENTILATION. A whole-house ventilation system shall be considered distributed when it supplies outdoor air directly (not transfer air) to each dwelling or sleeping unit habitable space (living room, den, office, interior adjoining spaces or bedroom), and exhausts air from all kitchens and bathrooms directly outside.						
	Definition	202	202	Added in 2006 cycle. (WSR 06-16-112) 2009 cycle added owner occupied dwellings to uses considered dwelling units. (WSR 09-17-140) 2012 cycle removed Owner occupied dwellings and added Accessory dwelling units within existing dwellings and smoke alarm interconnection. (WSR 12-16-091) Modified in 2018 cycle. Removed accessory dwelling units within existing dwellings language. (WSR 19-16-156)	Modify Existing Amendment		Proposal needed, Incorporate new model code language. Chapter 11 not adopted per 51-51-003

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	DWELLING UNIT. A single unit providing complete independent living facilities for one or more persons, including permanent provisions for living, sleeping, eating, cooking and sanitation. ~~For the definition applicable in Chapter 11, see Section N1101.6~~ For the definition applicable in Chapter 24, see Section G2403. Dwelling units may also include the following uses: 1. Adult family homes, foster family care homes and family day care homes licensed by the Washington state department of social and health services. 2. Offices, mercantile, food preparation for off-site consumption, personal care salons or similar uses which are conducted primarily by the occupants of the dwelling unit and are secondary to the use of the unit for dwelling purposes, and which do not exceed 500 square feet (46.4 m2).						
	Definition	202	202	Added during 2018 cycle no rationale in CR document (WSR 20-03-023)	Keep existing amendment		
	EGRESS ROOF ACCESS WINDOW. A skylight or roof window designed and installed to satisfy the *Emergency Escape and Rescue Opening* requirements of Section R310.2.						
	Definition	202	202	Added in 2021 Cycle to align with amendments to in M1503 and M1505. (WSR 22-17-148)	Keep existing amendment		
	ENCLOSED KITCHEN. A kitchen whose permanent openings to interior adjacent spaces do not exceed a total of 60 square feet (6 m2).						
	Definition	202	202	Added in 2006 cycle update. (WSR 08-17-089)	Modify existing amendment		Incorporate Model Code Language.
	FIRE SEPARATION DISTANCE. The distance measured from the ~~building face~~ foundation wall or face of the wall framing, whichever is closer, to one of the following: 1. To the closest interior *lot line*; or 2. To the centerline of a street, an alley or public way; or 3. To an imaginary line between two buildings or townhouse units on the *lot*. The distance shall be measured at a right angle from the wall.						
	Definition	202	202	Added in 2018 cycle no rationale in CR document (WSR 19-16-156)	Keep existing amendment		
	FLOOR AREA. The area within the inside perimeter of exterior walls of the building. The floor area of a building, or portion thereof, not provided with surrounding exterior walls shall be the usable area under the horizontal projection of the roof or floor above.						
51-51-0202	Definition	202	202	Added in 2018 cycle no rationale in CR document (WSR 19-16-156)	Keep existing amendment		
	LANDING PLATFORM. A landing provided as the top step of a stairway accessing a *Loft*.						
	Definition	202	202	Added in 2018 cycle no rationale in CR document (WSR 19-16-156)	Repeal Existing Amendment		Amendment and model code language are substantially similar.
	LOCAL EXHAUST. An exhaust system that uses one or more fans to exhaust air from a specific room or rooms within a residential dwelling or sleeping unit.						
	Definition	202	202	Added in 2018 cycle as "SLEEPING LOFT" Moved definition from appendix. No rationale in CR document (WSR 12-16-091) New definition replaces "SLEEPING LOFT" with "LOFT to align with language of R333 (WSR 22-17-148)	Keep existing amendment		
	LOFT. A space on an intermediate level or levels between the floor and ceiling of a dwelling or sleeping unit, open on one or more sides to the room or space in which the loft is located, and in accordance with Section R333.						
	Definition	202	202	Added in 2018 cycle no rationale in CR document (WSR 19-16-156)	Repeal Existing Amendment		Amendment and model code language are substantially similar.
	LOT LINE. The line which bounds a plot of ground described as a *lot* in the title to the property.						
	Definition	202	202	2015 cycle added definition to clarify local jurisdictions designate (WSR 15-16-086)	Keep existing amendment		
	SALT WATER COASTAL AREA. Those areas designated as salt water coastal areas by the local jurisdiction.						

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
	Definition	202	202	Added in 2006 cycle (WSR 06-16-112) 2012 cycle removes language 1,000,000 or less in sales from definition. (WSR 12-16-091)	Keep existing amendment		
	SMALL BUSINESS. Any business entity (including a sole proprietorship, corporation, partnership or other legal entity) which is owned and operated independently from all other businesses, which has the purpose of making a profit, and which has fifty or fewer employees.						
	Definition	202	202	Added in 2018 cycle no rationale in CR document (WSR 19-16-156)	Keep existing amendment		
	TOWNHOUSE UNIT. A single-family *dwelling unit* in a *townhouse* that extends from foundation to roof and that has a yard or public way on not less than two sides that extends at least 50 percent of the length of each of these two sides.						
CHAPTER 3 BUILDING PLANNING (Part III Building Planning and Construction)							
51-51-0301	Design Criteria	R301.2	R301.2	Amendment added in 2015 cycle to allow local jurisdiction to designate salt water coastal areas within their jurisdictions (WSR 15-16-086)	Keep existing amendment		
	R301.2 Climatic and geographic design criteria. Buildings shall be constructed in accordance with the provisions of this code as limited by the provisions of this section. Additional criteria shall be established by the local jurisdiction and set forth in Table R301.2. The local jurisdiction shall designate the salt water coastal areas within their jurisdiction.						
	Design Criteria	R301.2.2.10	R301.2.2.10 + R301.2.2.10.1	Amendment added in 2021 cycle to correctly reference the UPC (WSR 22-17-148)	Repeal Existing Amendment		See Significant Change report UPC Amendment / language still effective for requirement.
	R301.2.2.10 Anchorage of water heaters. In *Seismic Design Categories* D_0, D_1 and D_2, and in townhouses in *Seismic Design Category* C, water heaters and thermal storage units shall be anchored against movement and overturning in accordance with Section M1307.2 or ~~P2801.8~~ the Uniform Plumbing Code Section 507.2.						
	Design Criteria	R301.5	R301.5	Table amended in 2006 cycle. (WSR 07-16-026) Amendment removed in 2009 cycle (WSR 09-17-140) Amendment to table again in 2015 cycle increasing balcony live loads to align with ASCE 7 and adding footnote J. (WSR 15-16-086)	Keep existing amendment		

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R301.5 Live load. The minimum uniformly distributed live load shall be as provided in Table R301.5.

TABLE R301.5
MINIMUM UNIFORMLY DISTRIBUTED LIVE LOADS
(in pounds per square foot)

Use	Uniform Loads (psf)	Concentrated Load (lb)
Uninhabitable attics without storage[b]	10	-
Uninhabitable attics with limited storage [b, g]	20	-
Habitable attics and attics served with fixed stairs	30	-
Balconies (exterior) and decks[e]	60 [j]	-
Fire escapes	40	-
Guards	-	200[h,i]
Guard in-fill components[f]	-	50[h]
Handrail[d]	-	200[h]
Passenger vehicle garages	50[a]	2,000[a]
Areas other than sleeping areas	40	-
Sleeping areas	30	-
Stairs	40[C]	300[C]

For SI: 1 pound per square foot = 0.0479 kPa, 1 square inch = 645 mm, 1 pound = 4.45 N

a. Elevated garage floors shall be capable of supporting the uniformly distributed live load or a 2,000-pound concentrated load applied on an area of 4-1/2 inches by 4-1/2 inches, whichever produces the greater stresses.
b. Uninhabitable attics without storage are those where the clear height between joists and rafters is not more than 42 inches, or where there are not two or more adjacent trusses with web configurations capable of accommodating an assumed rectangle 42 inches in height by 24 inches in width, or greater, within the plane of the trusses. This live load need not be assumed to act concurrently with any other live load requirements.
c. Individual stair treads shall be capable of supporting the uniformly distributed live load or a 300-pound concentrated load applied on an area of 2 inches by 2 inches, whichever produces the greater stresses.
d. A single concentrated load applied in any direction at any point along the top. For a guard not required to serve as a handrail, the load need not be applied to the top element of the guard in a direction parallel to such element.
e. See Section R507.1 for decks attached to exterior walls.
f. Guard in-fill components (all those except the handrail), balusters and panel fillers shall be designed to withstand a horizontally applied normal load of 50 pounds on an area equal to 1 square foot. This load need not be assumed to act concurrently with any other live load requirement.
g. Uninhabitable attics with limited storage are those where the clear height between joists and rafters is 42 inches or greater, or where there are two or more adjacent trusses with web configurations capable of accommodating an assumed rectangle 42 inches in height by 24 inches in width, or greater, within the plane of the trusses. The live load need only be applied to those portions of the joists or truss bottom chords where all of the following conditions are met:
   g1. The attic area is accessed from an opening not less than 20 inches in width by 30 inches in length that is located where the clear height in the attic is not less than 30 inches.
   g2. The slopes of the joists or truss bottom chords are not greater than 2 units vertical to 12 units horizontal.
   g3. Required insulation depth is less than the joist or truss bottom chord member depth. The remaining portions of the joists or truss bottom chords shall be designed for a uniformly distributed concurrent live load of not less than 10 pounds per square foot.
h. Glazing used in handrail assemblies and guards shall be designed with a load adjustment factor of 4. The load adjustment factor shall be applied to each of the concentrated loads applied to the top of the rail, and to the load on the in-fill components. These loads shall be determined independent of one another, and loads are assumed not to occur with any other live load.
i. Where the top of a guard system is not required to serve as a handrail, the single concentrated load shall be applied at any point along the top, in the vertical downward direction and in the horizontal direction away from the walking surface. Where the top of a guard is also serving as the handrail, a single concentrated load shall be applied in any direction at any point along the top. Concentrated loads shall not be applied concurrently.
j. Where structural tables in Section R507 only specify snow loads, the values corresponding to 70 psf snow loads shall be used.

51-51-0302	Fire Resistant Construction	R302.2.2	R302.2.2	2018 cycle added amendment to address new definition of Townhouse Unit (WSR 19-16-156) 2021 cycle modified to incorporate model code changes. (WSR 22-17-148)	Modify Existing Amendment		Proposal Needed, Incorporate Model Language

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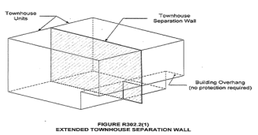
<tr><td></td><td colspan="7">R302.2.2 Common walls. Common walls separating townhouse units shall be assigned a fire resistance rating in accordance with Item 1 or 2 and shall be rated for fire exposure from both sides. Common walls shall extend to and be tight against the exterior sheathing of the exterior walls, or the inside face of exterior walls without stud cavities, and the underside of the roof sheathing. The common wall shared by two townhouse units shall be constructed without openings plumbing or mechanical equipment, ducts or vents, other than water-filled fire sprinkler piping in the cavity of the common wall. Electrical installations shall be in accordance with ~~Chapters 34 through 43.~~ chapter <u>296-46B</u> WAC, Electrical safety standards, administration, and installation. Penetrations of the membrane of common walls for electrical outlet boxes shall be in accordance with Section R302.4.
1. Where an automatic sprinkler system in accordance with Section P2904 is provided, the common wall shall be not less than a 1-hour fire-resistance-rated wall assembly tested in accordance with ASTM E119, UL 263 or Section 703.2.2 of the International Building Code.
2. Where an automatic sprinkler system in accordance with Section P2904 is not provided, the common wall shall be not less than a 2-hour fire-resistance-rated wall assembly tested in accordance with ASTM E119, UL 263 or Section 703.2.2 of the International Building Code.
EXCEPTION:
Common walls are permitted to extend to and be tight against the ~~inside~~ interior side of the exterior walls if the cavity between the end of the common wall and the exterior sheathing is filled with a minimum of 2-inch nominal thickness wood studs.</td></tr>
<tr><td></td><td>Fire Resistant Construction</td><td>R302.2.3</td><td>R302.2.3</td><td>2009 cycle added amendment. Specific rationale not included in CR document. (WSR 09-17-140) 2015 cycle added graphic to amendment for clarity. (WSR 15-16-086) 2018 cycle modified amendment to address new definition of Townhouse Unit (WSR 19-16-156)</td><td>Modify Existing Amendment</td><td></td><td>Proposal Needed, incorporate model code language. Is figure in wrong location or numbered incorrectly?</td></tr>
<tr><td></td><td colspan="7">R302.2.3 Continuity. The fire-resistance-rated wall or assembly separating townhouse units shall be continuous from the foundation to the underside of the roof sheathing, roof deck or slab. The fire-resistance rating shall extend the full length of the wall or assembly, including wall extensions through and separating attached enclosed accessory structures.
Where a story extends beyond the exterior wall of a story below:
1. The fire-resistance-rated wall or assembly shall extend to the outside edge of the upper story (see Figure R302.2(1)); or
2. The underside of the exposed floor-ceiling assembly shall be protected as required for projections in Section R302 (see Figure R302.2(2)).
 

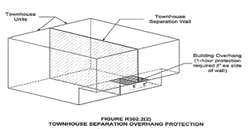
FIGURE R302.2(1)
EXTENDED TOWNHOUSE SEPARATION WALL
 

FIGURE R302.2(2)
TOWNHOUSE SEPARATION OVERHANG PROTECTION</td></tr>
<tr><td><u>51-51-0302</u></td><td>Fire Resistant Construction</td><td>R302.2.4</td><td>R302.2.4</td><td>2018 cycle added amendment to address new definition of Townhouse Unit (WSR 19-16-156)</td><td>Repeal Existing Amendment</td><td></td><td>WAC language is identical to model code language in 2024. Suggest adoption of model language.</td></tr>
</table>

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
	R302.2.4 Parapets for townhouses. Parapets constructed in accordance with Section R302.2.5 shall be constructed for *townhouses* as an extension of exterior walls or common walls separating *townhouse units* in accordance with the following: 1. Where roof surfaces adjacent to the wall or walls are at the same elevation, the parapet shall extend not less than 30 inches (762 mm) above the roof surfaces ~~surfaces~~ decks. 2. Where roof surfaces ~~surfaces~~ decks adjacent to the wall or walls are at different elevations and the higher roof deck is not more than 30 inches (762 mm) above the lower roof deck, the parapet shall extend not less than 30 inches (762 mm) above the lower roof surface ~~surface~~ deck. EXCEPTION: A parapet is not required in the preceding two cases where the roof covering complies with a minimum Class C rating as tested in accordance with ASTM E108 or UL 790 and the roof decking ~~decking~~ deck or sheathing is of noncombustible materials or fire retardant-treated wood for a distance of 4 feet (1219 mm) on each side of the wall or walls, or one layer of 5/8-inch (15.9 mm) Type X gypsum board is installed directly beneath the roof decking ~~decking~~ deck or sheathing, supported by not less than nominal 2-inch (51 mm) ledgers attached to the sides of the roof framing members, for a distance of not less than 4 feet (1219 mm) on each side of the wall or walls and any openings or penetrations in the roof deck are not within 4 feet (1219 mm) of the common walls. Fire retardant-treated wood shall meet the requirements of Sections R802.1.5 and R803.2.1.2. 3. A parapet is not required where roof surfaces adjacent to the wall or walls are at different elevations and the higher roof deck is more than 30 inches (762 mm) above the lower roof deck. The common wall construction from the lower roof deck to the underside of the higher roof deck shall have not less than a 1-hour fire-resistance rating. The wall shall be rated for exposure from both sides. Openings shall not be permitted in the wall.						
	Fire Resistant Construction	T R302.1(1)	T R302.1(1)	2009 cycle introduced amendment. Specific rationale not included in CR document. (WSR 09-17-140) 2012 cycle modifications made to align with model code changes. (WSR 12-16-091) Removed amendment in 2015 cycle (WSR 15-16-086) 2018 cycle brought back amendment to address a situation where there are no vents at the underside of the rake overhang, or in any walls underneath the rake overhang. (WSR 19-16-156)	Repeal Existing Amendment		Proposal needed, Model Language has same regulatory effect.
	TABLE R302.1(1) **EXTERIOR WALLS** No Change to the Table a. The fire-resistance rating shall be permitted to be reduced to 0 hours on the underside of the eave overhang if fireblocking is provided from the wall top plate to the underside of the roof sheathing. b. The fire-resistance rating shall be permitted to be reduced to 0 hours on the underside of the rake overhang where ~~gable vent~~ ventilation openings that communicate with the attic are not installed in the overhang or gable wall in the rake overhang or in walls that are common to attic areas.						
51-51-0302	Fire Resistant Construction	T R302.1(2)	T R302.1(2)	2012 cycle introduced amendment. Specific rationale not included in CR document. (WSR 12-16-091) Removed amendment in 2015 cycle (WSR 15-16-086) 2018 cycle brought back amendment to address a situation where there are no vents at the underside of the rake overhang, or in any walls underneath the rake overhang. (WSR 19-16-156)	Repeal Existing Amendment		Proposal needed, Model Language has same regulatory effect.
	TABLE R302.1(2) **EXTERIOR WALLS – DWELLINGS AND TOWNHOUSES WITH AN AUTOMATIC ~~FIRE~~ SPRINKLER~~S~~ SYSTEM** No Change to the Table a. For residential subdivisions where all dwellings and townhouses are equipped throughout with an automatic sprinkler system installed in accordance with Section P2904, the fire separation distance for exterior walls not fire-resistance-rated and for fire-resistance-rated projections shall be permitted to be reduced to 0 feet, and unlimited unprotected openings and penetrations shall be permitted, where the adjoining lot provides an open setback yard that is 6 feet or more in width on the opposite side of the property line. b. The fire-resistance rating shall be permitted to be reduced to 0 hours on the underside of the eave overhang if fireblocking is provided from the wall top plate to the underside of the roof sheathing. c. The fire-resistance rating shall be permitted to be reduced to 0 hours on the underside of the rake overhang where ~~gable vent~~ ventilation openings that communicate with the attic are not installed in the overhang or gable wall in the rake overhang or in walls that are common to attic areas.						

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
	Fire Resistant Construction	R302.3	R302.3	2018 cycle added amendment to addresses unit separation requirements and supporting construction requirements. (WSR 19-16-156)	Modify Existing Amendment		See Significant Change report Model Code language Completely replaced.
	R302.3 Two-family dwellings. Wall and floor/ceiling assemblies separating *dwelling units* in two-family dwellings shall be ~~separated from each other by wall and floor assemblies having not less than a 1-hour fire-resistance rating where tested in accordance with ASTM E119, UL 263 or Section 703.2.2 of the International Building Code. Such separation shall be provided regardless of whether a lot line exists between the two dwelling units or not. Fire-resistance-rated floor/ceiling and wall assemblies shall extend to and be tight against the exterior wall, and wall assemblies shall extend from the foundation to the underside of the roof sheathing.~~ constructed in accordance with Section R302.3.1 through R302.3.5. One accessory dwelling unit constructed within an existing *dwelling unit* need not be considered a separated dwelling unit in a two-family dwelling where all required smoke alarms, in the accessory dwelling unit and the primary dwelling unit, are interconnected in such a manner that the actuation of one alarm will activate all alarms in both the primary dwelling unit and the accessory dwelling unit. ~~**Exceptions:**~~ ~~**1.** A fire-resistance rating of ½ hour shall be permitted in buildings equipped throughout with an automatic sprinkler system installed in accordance with Section P2904.~~ ~~**2.** Wall Assemblies need not extend through attic spaces where the ceiling is protected by not less than 5/8-inch (15.9 mm) Type X gypsum board, an attic draft stop constructed as specified in Section R302.12.1 is provided above and along the wall assembly separating the dwellings and the structural framing supporting the ceiling is protected by not less than ½-inch (12.7 mm) gypsum board or equivalent.~~						
	Fire Resistant Construction	R302.3.1	R302.3.1 / R302.3.2	2018 cycle added amendment to addresses unit separation requirements and supporting construction requirements. (WSR 19-16-156) 2021 cycle modified and adds an exception to further clarify when a two-family dwelling shall be determined and required to have a separation wall and when it may be exempt from the separation requirements. (WSR 22-17-148)	Keep Existing Amendment		See Significant Change report Model Code language added.
	R302.3.1 Separation. *Dwelling units* in two-family dwellings shall be separated from each other by wall and floor assemblies having not less than a 1-hour fire-resistance rating where tested in accordance with ASTM E119, UL 263 or Section 703.2.2 of the *International Building Code*. EXCEPTIONS: 1. A fire-resistance rating of 1/2 hour shall be permitted in buildings equipped throughout with an automatic sprinkler system installed in accordance with Section 2904. 2. Where an accessory dwelling unit is added within an existing single-family residence to create a two-family dwelling, fire-rated separation between the accessory dwelling unit and the primary dwelling unit is not required when all required smoke alarms are interconnected in such a manner that the actuation of one alarm will activate all alarms in both the primary dwelling unit and the accessory dwelling unit.						
	Fire Resistant Construction	R302.3.2	R302.3.3	2018 cycle added amendment to address unit separation requirements and supporting construction requirements. (WSR 19-16-156)	Repeal Existing Amendment		See Significant Change report Model Code language added.
	R302.3.2 Continuity. Fire-resistance-rated floor/ceiling and wall assemblies shall extend to and be tight against the *exterior wall*, and wall assemblies shall extend from the foundation to the underside of the roof sheathing. EXCEPTION: Wall assemblies need not extend through attic spaces where the ceiling is protected by not less than 5/8-inch (15.9 mm) Type X gypsum board, an attic draft stop constructed as specified in Section R302.12.1 is provided above and along the wall assembly separating the dwellings and the structural framing supporting the ceiling is protected by not less than 1/2-inch (12.7 mm) gypsum board or equivalent.						
51-51-0302	Fire Resistant Construction	R302.3.3	R302.3.4	Added in 2012 update to specify fire resistance rating for walls is determined based on exposure to the outside not both sides. (WSR 13-16-087) 2015 cycle removed an exception to the section when smoke alarms are interconnected. (WSR 15-16-086) 2018 cycle removed exception to section when sprinklers are installed to address unit separation requirements and supporting construction requirements.. (WSR 19-16-156)	Repeal Existing Amendment		See Significant Change report Model Code language added. Proposal Needed. New Language has same regulatory effect.

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
	R302.3.3 Supporting construction. Where floor/ceiling assemblies are required to be fire-resistance rated by Section R302.3, the supporting construction of such assemblies shall have an equal or greater fire-resistance rating.						
	Fire Resistant Construction	R302.3.4	NA	2021 cycle added amendment recognizing that there may be a necessity for units to be interconnected. It addresses this condition by limiting the opening to a door located within the unit demising wall. (WSR 22-17-148)	Keep Existing Amendment		Target location 302.3.3.3 after vertical assemblies
	R302.3.4 Openings protection between two-family dwellings. Openings in the common fire-resistance-rated wall assembly located between units of a two-family dwelling shall be equipped with not less than a 45-minute fire-rated door assembly equipped with a self-closing or automatic-closing device. EXCEPTION: A 20-minute fire-rated door assembly is permitted in buildings equipped throughout with an automatic sprinkler system installed in accordance with Section P2904 or NFPA 13D.						
	Fire Resistant Construction	R302.3.5	R302.3.6	2021 cycle added amendment to clarify the hazards from accessory spaces are no greater than a common garage and should therefore be treated similarly. (WSR 22-17-148)	Repeal Existing Amendment		See Significant Changes Report. Proposal Needed. New Language identical to amendment.
	R302.3.5 Shared accessory rooms. Shared accessory rooms shall be separated from each individual dwelling unit in accordance with Table R302.3.5. Openings between the shared accessory room and the dwelling unit shall comply with Section R302.3.5.1. Attachment of gypsum board shall comply with Table R702.3.5.						
	Fire Resistant Construction	R302.3.5.1	R302.3.6.1	2021 cycle added amendment to clarify the hazards from accessory spaces are no greater than a common garage and should therefore be treated similarly. (WSR 22-17-148)	Repeal Existing Amendment		See Significant Changes Report. Proposal Needed. New Language has same regulatory effect.
	R302.3.5.1 Opening protection. Openings from a shared accessory room or area directly into a room used for sleeping purposes shall not be permitted. Other openings between the shared accessory room or area shall be equipped with solid wood doors not less than 1 3/8 inches in thickness, solid or honeycomb core steel doors not less than 1 3/8 inches thick, or a fire door assembly with a 20-minute fire-protection rating, equipped with a self-closing or automatic-closing device.						
51-51-0302	Fire Resistant Construction	R302.3.5.2	R302.3.6.2	2021 cycle added amendment to address penetration issues arising from interpreting accessory rooms not part of the habitable space (WSR 23-02-058)	Repeal Existing Amendment		See Significant Changes Report. Proposal Needed. New Language has same regulatory effect.
	R302.3.5.2 Duct penetration. Ducts penetrating the walls or ceilings separating the dwelling from the shared accessory room shall be constructed of a minimum No. 26 gage (0.48 mm) sheet steel or other approved material and shall not have openings into the shared accessory room.						
	Fire Resistant Construction	R302.3.5.3	R302.3.6.3	2021 cycle added amendment to address penetration issues arising from interpreting accessory rooms not part of the habitable space (WSR 23-02-058)	Repeal Existing Amendment		See Significant Changes Report. Proposal Needed. New Language has same regulatory effect.
	R302.3.5.3 Other penetrations. Penetrations through the walls, ceiling, and floor level separation required in Section R302.3.5 shall be protected as required by Section R302.11, Item 4.						

<table>
<tr><th>WAC</th><th>Title or Subject</th><th>2021 IRC #</th><th>2024 IRC #</th><th>Rationale</th><th>2024 Staff Recommendation</th><th>2024 TAG Member Recommendation</th><th>Other Comments</th></tr>
<tr><td></td><td>Fire Resistant Construction</td><td>T R302.3.5</td><td>T R302.3.6</td><td>2021 cycle added amendment to clarify the hazards from accessory spaces are no greater than a common garage and should therefore be treated similarly. (WSR 22-17-148)</td><td>Repeal Existing Amendment</td><td></td><td>See Significant Changes Report. Proposal Needed. New Language has same regulatory effect.</td></tr>
<tr><td></td><td colspan="7">TABLE R302.3.5
DWELLING-SHARED ACCESSORY ROOM SEPARATION
<table><tr><th>SEPARATION</th><th>MATERIAL</th></tr><tr><td>From the dwelling units and attics.</td><td>Not less than 1/2-inch gypsum board or equivalent applied to the accessory room side wall.</td></tr><tr><td>From habitable rooms above or below the shared accessory room.</td><td>Not less than 5/8-inch Type X gypsum board or equivalent.</td></tr><tr><td>Structures supporting floor/ceiling assemblies used for separation required by this section.</td><td>Not less than 1/2-inch gypsum board or equivalent.</td></tr></table></td></tr>
<tr><td></td><td>Fire Resistant Construction</td><td>R302.13</td><td>R302.13</td><td>2015 cycle adds amendment to further define dimensional lumber. (WSR 15-16-056)</td><td>Modify Existing Amendment</td><td></td><td>Proposal Needed. Incorporate new model code language Exception #5</td></tr>
<tr><td></td><td colspan="7">R302.13 Fire protection of floors. Floor assemblies that are not required elsewhere in this code to be fire-resistance rated, shall be provided with a 1/2-inch (12.7 mm) gypsum wallboard membrane, 5/8-inch (16 mm) wood structural panel membrane, or equivalent on the underside of the floor framing member. Penetrations or openings for ducts, vents, electrical outlets, lighting, devices, luminaires, wires, speakers, drainage, piping and similar openings or penetrations shall be permitted.
EXCEPTIONS:
1. Floor assemblies located directly over a space protected by an automatic sprinkler system in accordance with Appendix AWU, NFPA 13D, or other approved equivalent sprinkler system.
2. Floor assemblies located directly over a crawl space not intended for storage or fuel-fired appliances.
3. Portions of floor assemblies shall be permitted to be unprotected when complying with the following:
3.1. The aggregate area of the unprotected portions shall not exceed 80 square feet (7.4 m2) per story.
3.2. Fire blocking in accordance with Section R302.11.1 is installed along the perimeter of the unprotected portion to separate the unprotected portion from the remainder of the floor assembly.
4. Wood floor assemblies using dimension lumber or structural composite lumber with a cross sectional area equal to or greater than 2-inch by 10-inch (50.8 mm by 254 mm) nominal dimension, or other approved floor assemblies demonstrating equivalent fire performance.
5. Wood floor assemblies less than 600 square feet (55.7 m^2) within detached accessory structures with no habitable space above them.</td></tr>
<tr><td>51-51-0303</td><td>Light, Ventilation and Heating</td><td>R303.1</td><td>R325.1.1</td><td></td><td>Repeal Existing Amendment</td><td></td><td>See Significant Change Report. Model Code Language Added Proposal Needed.</td></tr>
<tr><td></td><td colspan="7">R303.1 Natural light. All habitable rooms shall have an aggregate glazing area of not less than 8 percent of the floor area of such rooms.
EXCEPTION:
The glazed areas need not be installed in rooms where artificial light is provided capable of producing an average illumination of 6 footcandles (65 lux) over the area of the room at a height of 30 inches (762 mm) above the floor level.</td></tr>
<tr><td></td><td>Light, Ventilation and Heating</td><td>R303.2</td><td>R325.1.3</td><td></td><td>Modify Existing Amendment</td><td></td><td>Proposal Needed. Exception removed in 2024 language</td></tr>
<tr><td></td><td colspan="7">R303.2 Adjoining rooms. For the purpose of determining light ~~and ventilation~~ requirements, any room~~s~~ shall be considered as ~~to be~~ a portion of an adjoining room when at least ~~where not less than~~ one-half of the area of the common wall is open and unobstructed and provides an opening of not less than one-tenth of the floor area of the interior room but ~~and~~ not less than 25 square feet (2.3 m2).
EXCEPTION:
Openings required for light ~~or ventilation~~ shall be permitted to open into a sunroom with thermal isolation or a patio cover, provided there is an openable area between the adjoining room and the sunroom or a patio cover of not less than one-tenth of the floor area of the interior room but not less than 20 square feet (2 m2). ~~The minimum openable area to the outdoors shall be based on the total floor area being ventilated.~~</td></tr>
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WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
	Light, Ventilation and Heating	R303.3	R325.2		Keep Existing Amendment		
	R303.3 Bathrooms. This section is not adopted. ~~Bathrooms, water closet compartments and other similar rooms shall be provided with aggregate glazing area in windows of not less than 3 square feet (0.3 m^2), one-half of which shall be openable.~~ ~~Exception: The galzed areas shall not be required where artificial light and a local exhaust system are provided. The minimum local exhaust rates shall be determined in accordance with Section M1505. Exhaust air from the space shall be exhausted directly to the outdoors.~~						
	Light, Ventilation and Heating	R303.4	R325.3		Keep Existing amendment		
	R303.4 Minimum ventilation performance. Dwelling units shall be equipped with local exhaust and whole-house ventilation systems designed and installed as specified in Section M1505. EXCEPTION: Additions with less than 500 square feet of conditioned floor area are exempt from the requirements in this Code for Whole-House Ventilation Systems						
	Light, Ventilation and Heating	R303.5.1	R325.4.1		Keep Existing Amendment		
	R303.5.1 Intake openings. Mechanical and gravity outdoor air intake openings shall be located a minimum of ~~not less than~~ 10 feet (3048 mm) from any hazardous or noxious contaminant, such as vents, chimneys, plumbing vents, streets, alleys, parking lots and loading docks, except as otherwise specified in this code. For the purpose of this section, the exhaust from *dwelling unit* toilet rooms, bathrooms and kitchens shall not be considered as hazardous or noxious. EXCEPTIONS: 1. The 10-foot (3048 mm) separation is not required where the intake opening is located 3 feet (914 mm) or greater below the contaminant source. 2. Vents and chimneys serving fuel-burning appliances shall be terminated in accordance with the applicable provisions of Chapters 18 and 24. 3. Clothes dryer exhaust ducts shall be terminated in accordance with Section M1502.3.						
	Light, Ventilation and Heating	R303.5.2	R325.4.2		Keep Existing Amendment		
	R303.5.2 Exhaust openings. Exhaust air shall not be directed onto walkways. All exhaust ducts shall terminate outside the building. Terminal elements shall have at least the equivalent net free area of the duct work.						
	Light, Ventilation and Heating	R303.5.2.1	NA		Keep Existing amendment		Target location R325.4.2.1
	R303.5.2.1 Exhaust ducts. Exhaust ducts shall be equipped with back-draft dampers. All exhaust ducts in unconditioned spaces shall be insulated to a minimum of R-4.						
	Light, Ventilation and Heating	R303.7	R325.6		Keep Existing Amendment		
	R303.7 Interior stairway illumination. Interior stairways shall be provided with an artificial light source to illuminate the landings and treads. Stairway illumination shall receive primary power from the building wiring. The light source shall be capable of illuminating treads and landings to levels not less than 1 foot-candle (11 lux) measured at the center of treads and landings. There shall be a wall switch at each floor level to control the light source where the stairway has six or more risers. EXCEPTION: A switch is not required where remote, central or automatic control of lighting is provided.						
	Light, Ventilation and Heating	R303.8	R325.7		Keep Existing Amendment		
	R303.8 Exterior stairway illumination. Exterior *stairways* shall be provided with an artificial light source located at the top landing of the *stairway*. *Stairway* illumination shall receive primary power from the building wiring. Exterior *stairways* providing access to a *basement* from the outdoor grade level shall be provided with an artificial light source located at the bottom landing of the *stairway*.						
	Light, Ventilation and Heating	R303.9	R325.1.1		Repeal Existing Amendment		Proposal Needed. Section moved and combined with Section R325.1.1 Natural Light.
	R303.9 Required glazed openings. Required glazed openings shall open directly onto a street or public alley, or a yard or court located on the same *lot* as the building. EXCEPTIONS: 1. Required glazed openings that face into a roofed porch where the porch abuts a street, yard or court are permitted where ~~and~~ the longer side of the porch is not less than 65 percent unobstructed and the ceiling height is not less than 7 feet (2134 mm). 2. Eave projections shall not be considered as obstructing the clear open space of a yard or court. 3. Required glazed openings that face into the area under a deck, balcony, bay or floor cantilever are permitted where an unobstructed pathway of ~~where a clear vertical space~~ not less than 36 inches (914 mm) in height, 36 inches (914 mm) in width, and no greater than 60 inches (1524 mm) in length is provided and opens to a yard or court. The pathway shall be measured from the exterior face of the glazed opening, or if the glazed opening is in a window well, at the window well wall furthest from the exterior face of the glazed opening.						

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
	Light, Ventilation and Heating	R303.10	R325.8		Keep Existing Amendment		
	R303.10 Required heating. When the winter design temperature in Table R301.2 is below 60°F (16°C), every *dwelling unit* shall be provided with heating facilities capable of maintaining a minimum room temperature of 68°F (20°C) at a point 3 feet (914 mm) above the floor and 2 feet (610 mm) from exterior walls in all habitable rooms at design temperature. The installation of one or more portable heaters shall not be used to achieve compliance with this section. EXCEPTION: Unheated recreational tents or yurts not exceeding 500 square feet provided it is not occupied as a permanent dwelling.						
	Light, Ventilation and Heating	R303.10.1	NA		Keep Existing Amendment		Target After Section R325.8
	R303.10.1 Definitions. For the purposes of this section only, the following definitions apply. **DESIGNATED AREAS** are those areas designated by a county to be an urban growth area in chapter **36.70A** RCW and those areas designated by the U.S. Environmental Protection Agency as being in nonattainment for particulate matter. **SUBSTANTIALLY REMODELED** means any alteration or restoration of a building exceeding 60 percent of the appraised value of such building within a 12-month period. For the purpose of this section, the appraised value is the estimated cost to replace the building and structure in kind, based on current replacement costs.						
	Light, Ventilation and Heating	R303.10.2	NA		Keep Existing Amendment		Target After Section R325.8
	R303.10.2 Primary heating source. Primary heating sources in all new and substantially remodeled buildings in designated areas shall not be dependent upon wood stoves.						
	Light, Ventilation and Heating	R303.10.3	NA		Keep Existing Amendment		Target After Section R325.8
	R303.10.3 Solid fuel burning devices. No new or used solid fuel burning device shall be installed in new or existing buildings unless such device is U.S. Environmental Protection Agency certified or exempt from certification by the United States Environmental Protection Agency and conforms with RCW **70A.15.1005**, **70A.15.3500**, **70A.15.3510**, and **70A.15.3530**. EXCEPTIONS: 1. Wood cook stoves. 2. Antique wood heaters manufactured prior to 1940.						
51-51-307	Toilet, Bath and Shower Spaces	R307.1	R327.1		Modify Existing Amendment		Proposal Needed. Remove Plumbing code section reference 402.5 to reduce correlation issues arising from future modifications or renumbering.
	R307.1 Space required. Fixtures shall be spaced in accordance with Figure R307.1, and in accordance with the requirements of the state plumbing code Section 402.5.						
51-51-0309	Garages and Carports	309.6.1	317.6.1		Modify Existing Amendment		See Significant Change Report. New language added. Suggest incorporation of new language. Proposal needed
	R309.6 Electric vehicle charging. Where provided, electric vehicle charging systems shall be installed in accordance with NFPA 70. Electric vehicle charging system equipment shall be *listed* and *labeled* in accordance with UL 2202. *Electric vehicle supply equipment* shall be *listed* and *labeled* in accordance with UL 2594 ~~**R309.6.1 Application.**~~ The provisions of this section shall apply to the construction of new dwelling units per Section R101.2 with attached private garages or attached private carports. EXCEPTION: Where there is no public utility or commercial power supply.						
	Garages and Carports	R309.6.2	NA		Keep Existing Amendment		Target Location 317.6.1
	R309.6.2~~1~~1 Dedicated circuit for electric vehicle charging. A minimum of one 40-ampere dedicated 208/240-volt branch circuit shall be installed in the electrical panel for each dwelling unit. The branch circuit shall terminate at a junction box, receptacle outlet, or electric vehicle charging equipment.						

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
51-51-03100	Emergency Escape and Rescue Openings	R310.1	R319.1		Modify Existing Amendment		Proposal needed. Incorporate Model Language Changes
	R310.1 Emergency escape and rescue opening required. Basements, habitable attics, the room to which a sleeping loft is open and every sleeping room shall have not less than one operable emergency escape and rescue opening. Where basements contain one or more sleeping rooms, an emergency escape and rescue opening shall be required in each sleeping room. Emergency escape and rescue openings shall open directly into a public way, or to a yard or court providing an unobstructed path with a ~~having a minimum~~ width of not less than 36 inches (914 mm) that opens to a public way. EXCEPTIONS: 1. ~~Storm shelters and b~~ Basements used only to house mechanical equipment not exceeding a total floor area of 200 square feet (18.58 m). 2. Storm shelters constructed in accordance with ICC 500. 3. Where the *dwelling unit* or *townhouse unit* is equipped with an automatic sprinkler system installed in accordance with Section P2904, sleeping rooms in basements shall not be required to have emergency escape and rescue openings provided that the basement has one of the following: 2.1. One means of egress complying with Section R311 and one emergency escape and rescue opening. 2.2. Two means of egress complying with Section R311. 3. A yard shall not be required to open directly into a public way where the yard opens to an unobstructed path from the yard to the public way. Such path shall have a width of not less than 36 inches (914 mm). The following shall not be considered obstructions: 3.1. Gates with operational constraints and opening control devices without the use of keys, tools, or special knowledge. 3.2. Window wells equipped with a removable cover complying with Section R310.4.4.						
	Emergency Escape and Rescue Openings	R310.2.4	R319.2.4		Keep Existing Amendment		
	R310.2.4 Emergency escape and rescue openings under decks, porches, and cantilevers. Emergency escape and rescue openings installed under decks, porches, and cantilevers shall be fully openable and provided with an unobstructed pathway of not less than 36 inches (914 mm) in height, 36 inches (914 mm) in width, and no greater than 60 inches (1524 mm) in length that opens to a yard or court. The pathway shall be measured from the exterior face of the glazed opening, or if the glazed opening is in a window well, at the window well wall furthest from the exterior face of the glazed opening.						
	Emergency Escape and Rescue Openings	R310.5	R319.5		Keep Existing Amendment		
	R310.5 Replacement windows for emergency escape and rescue openings. This section is not adopted. ~~Replacement windows installed in buildings meeting the scope of this code shall be exempt from Sections R310.2 and R310.4.4, provided that the replacement window meets the following conditions:~~ ~~1. The replacement window is the manufacturer's largest standard size window that will fit within the existing frame or existing rough opening. The replacement window is of the same operating style that provides for an equal or greater window opening are than the existing window.~~ ~~2. The replacement window is not part of a change of occupancy.~~						
51-51-0311	Means of Egress	R311.4	R318.4		Modify Existing Amendment		Proposal Needed. Incorporate model language change.
	R311.4 Vertical egress. Egress from basements and habitable levels including habitable attics and basements not provided with an egress door in accordance with Section R311.2 shall be by a ramp in accordance with Section R311.8 or a stairway in accordance with Section R311.7. EXCEPTION: Stairways, alternating tread devices, ship's ladders, or ladders within an individual dwelling unit or sleeping unit used for access to areas of 200 square feet (18.6 m2) or less, are exempt from the requirements of Sections R311.4 and R311.7, where such devices do not provide exclusive access to a kitchen or bathroom. Such areas shall not be located more than 10 feet (3048 mm) above the finished floor of the space below.						
	Means of Egress	R311.7.11	R318.7.12		Keep Existing Amendment		
	R311.7.11 Alternating tread devices. *Alternating tread devices* shall not be used as an element of a means of egress. *Alternating tread devices* shall be permitted provided that a required means of egress stairway or ramp serves the same space at each adjoining level or where a means of egress is not required. The clear width at and below the handrails shall be not less than 20 inches (508 mm). EXCEPTION: Not adopted. ~~Alternating tread devices are allowed to be used as an element of a means of egress for lofts, mezzanines and similar areas of 200 gross square feet (18.6 m²) or less that do not provide exclusive access to a kitchen or bathroom.~~						
	Means of Egress	R311.7.12	R318.7.13		Keep Existing Amendment		
	R311.7.12 Ship's ladders. Ship's ladders shall not be used as an element of a means of egress. Ship's ladders shall be permitted provided that a required means of egress stairway or ramp serves the same space at each adjoining level or where a means of egress is not required. The clear width at and below the handrails shall be not less than 20 inches (508 mm). EXCEPTION: Not adopted. ~~Ships ladders are allowed to be used as an element of a means of egress for lofts, mezzanines and similar areas of 200 gross square feet (18.6 m²) or less that do not provide exclusive access to a kitchen or bathroom.~~						

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
51-51-0312	Guards and Window Fall Protection	R312.1.1	R321.1.1		Keep Existing Amendment		
	R312.1.1 Where required. *Guards* shall be provided for those portions of open-sided walking surfaces, including floors, mezzanines, *lofts* in accordance with Section R333, stairs, ramps, and landings, that are located more than 30 inches (762 mm) measured vertically to the floor or *grade* below at any point within 36 inches (914 mm) horizontally to the edge of the open side. Insect screening shall not be considered as a *guard*.						
	Guards and Window Fall Protection	R312.1.2	R321.1.2		Keep Existing Amendment		
	R312.1.2 Height. Required *guards* at open-sided walking surfaces, including stairs, porches, balconies or landings, shall be not less than 36 inches (914 mm) in height as measured vertically above the adjacent walking surface or the line connecting the *nosings*. EXCEPTIONS: 1. *Guards* on the open sides of stairs shall have a height of not less than 34 inches (864 mm) measured vertically from a line connecting the *nosings*. 2. Where the top of the *guard* serves as a handrail on the open sides of stairs, the top of the *guard* shall be not less than 34 inches (864 mm) and not more than 38 inches (965 mm) as measured vertically from a line connecting the *nosings*. 3. In areas with ceiling heights of 7 feet (2134 mm) or less in *lofts* constructed in accordance with Section R333, *guards* shall not be less than 36 inches (914 mm) in height or one-half of the clear height from the *loft* floor to the *loft* ceiling, whichever is less.						
51-51-0313	Automatic Fire Sprinkler Systems	R313.1	R309.1		Keep Existing Amendment		
	R313.1 Townhouse automatic fire sprinkler systems. An automatic residential fire sprinkler system shall be installed in a townhouse unit ~~townhouses~~. EXCEPTIONS: 1. An automatic residential fire sprinkler system shall not be required where additions or alterations are made to an existing *townhouse unit* ~~townhouses~~ that does ~~do~~ not have an automatic residential fire sprinkler system installed. 2. *Townhouse* buildings containing no more than four *townhouse units*.						
	Automatic Fire Sprinkler Systems	R313.1.1	R309.1.1		Keep Existing Amendment		
	R313.1.1 Design and installation. Automatic residential fire sprinkler systems for a townhouse unit ~~townhouses~~ shall be designed and installed in accordance with Section P2904 or NFPA 13D.						
	Automatic Fire Sprinkler Systems	R313.2	R309.2		Keep Existing Amendment		
	R313.2 One- and two-family dwellings automatic sprinkler systems. This section is not adopted. ~~An Automatic sprinkler system shall be installed in one- and two-family dwellings. Exception: An automatic sprinkler system shall not be required for additions or alterations to existing buildings that are not already provided with a sprinker system.~~						
51-51-0314	Smoke Alarms and Heat Detection	R314.1	R310.1		Keep Existing Amendment		
	R314.1 General. Smoke alarms, heat detectors, and heat alarms shall comply with NFPA 72 and this section.						
	Smoke Alarms and Heat Detection	R314.1.1	R310.1.1		Modify Existing Amendment		Proposal Needed. Incorporate Model Code language Change.
	R314.1.1 Listings. Smoke alarms shall be listed and labeled in accordance with UL 217. Heat detectors and heat alarms shall be listed and labeled for the intended application. Combination smoke and carbon monoxide alarms shall be listed and labeled in accordance with UL 217 and UL 2034.						
	Smoke Alarms and Heat Detection	R314.2	R310.2		Keep Existing Amendment		
	R314.2 Where required. Smoke alarms, heat detectors, and heat alarms shall be provided in accordance with this section.						
	Smoke Alarms and Heat Detection	R314.2.1	R310.2.1		Keep Existing Amendment		
	R314.2.1 New construction. Smoke alarms shall be provided in *dwelling units*. A heat detector or heat alarm shall be provided in new attached garages.						
	Smoke Alarms and Heat Detection	R314.2.2	R310.2.2		Keep Existing Amendment		
	R314.2.2 Alterations, repairs and additions. Where *alterations*, *repairs* or *additions* requiring a permit occur, or where one or more sleeping rooms are added or created in existing dwellings, or where an accessory dwelling unit is created within an existing *dwelling unit*, each ~~the individual~~ *dwelling unit* shall be equipped with smoke alarms as required for new dwellings. EXCEPTIONS: 1. Work involving the exterior surfaces of dwellings, such as the replacement of roofing or siding, the addition or replacement of windows or doors, or the addition of a porch or deck are exempt from the requirements of this section. 2. Installation, *alteration* or repairs of plumbing, electrical or mechanical systems are exempt from the requirements of this section.						
	Smoke Alarms and Heat Detection	R314.2.3	NA		Keep Existing Amendment		Target Location R310.2.3

Commented [DC2]: Not a model code language change. Suggestion for inclusion of new model language for amendment language.

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
	R314.2.3 New attached garages. A heat detector or heat alarm rated for the ambient outdoor temperatures and humidity shall be installed in new garages that are attached to or located under new and existing dwellings. Heat detectors and heat alarms shall be installed in a central location and in accordance with the manufacturer's instructions. EXCEPTION: Heat detectors and heat alarms shall not be required in dwellings without commercial power.						
	Smoke Alarms and Heat Detection	R314.3	R310.3		Modify Existing Amendment		Proposal Needed. Incorporate Model Language Change.
	R314.3 Location. Smoke alarms shall be installed in the following locations: 1. In each sleeping room. 2. Outside each separate sleeping area in the immediate vicinity of the bedrooms. 3. On each additional story of the dwelling unit, including basements and habitable attics but not including crawl spaces and uninhabitable attics. In dwellings or dwelling units with split levels and without an intervening door between the adjacent levels, a smoke alarm installed on the upper level shall suffice for the adjacent lower level provided that the lower level is less than one full story below the upper level. 4. Smoke alarms shall be installed not less than 3 feet (914 mm) horizontally from the door or opening of a bathroom that contains a bathtub or shower unless this would prevent placement of a smoke alarm required by Section R314.3. 5. In napping areas in a family home child care. 6. In the hallway and in the room open to the hallway in dwelling units where the ceiling height of a room open to a hallway serving bedrooms exceeds that of the hallway by 24 inches (610 mm) or more. 7. Within the room to which a sleeping loft is open, in the immediate vicinity of the sleeping loft.						
	Smoke Alarms and Heat Detection	R314.4	R310.4		Keep Existing Amendment		
	R314.4 Interconnection. Where more than one smoke alarm is required to be installed within an individual *dwelling unit* in accordance with Section R314.3, the alarm devices shall be interconnected in such a manner that the actuation of one alarm will activate all of the alarms in the individual *dwelling unit*. Where an accessory *dwelling unit* is created within an existing *dwelling unit* all required smoke alarms, in the accessory *dwelling unit* and the primary *dwelling unit*, shall be interconnected in such a manner that the actuation of one alarm will activate all alarms in both the primary *dwelling unit* and the accessory *dwelling unit*. Physical interconnection of smoke alarms shall not be required where listed wireless alarms are installed and all alarms sound upon activation of one alarm. EXCEPTION: Smoke alarms and alarms installed to satisfy Section R314.4.1 shall not be required to be interconnected to existing smoke alarms where such existing smoke alarms are not interconnected or where such new smoke alarm or alarm is not capable of being interconnected to the existing smoke alarms.						
	Smoke Alarms and Heat Detection	R314.4.1	NA		Keep Existing Amendment		Target Location R310.4.1
	R314.4.1 Heat detection interconnection. Heat detectors and heat alarms shall be connected to an alarm or a smoke alarm that is installed in the *dwelling*. Alarms and smoke alarms that are installed for this purpose shall be located in a hallway, room, or other location that will provide occupant notification.						
	Smoke Alarms and Heat Detection	R314.6	R310.6		Keep Existing Amendment		
	R314.6 Power source. Smoke alarms, heat alarms, and heat detectors shall receive their primary power from the building wiring where such wiring is served from a commercial source and, where primary power is interrupted, shall receive power from a battery. Wiring shall be permanent and without a disconnecting switch other than those required for overcurrent protection. EXCEPTIONS: 1. Smoke alarms shall be permitted to be battery operated where installed in buildings without commercial power. 2. Smoke alarms installed in accordance with Section R314.2.2 R310.2.2 shall be permitted to be battery powered.						
51-51-0315	Carbon Monoxide Alarms	R315.2	R311.2		Keep Existing Amendment		
	R315.2 Where required. Carbon monoxide alarms shall be provided in accordance with Sections R315.2.1 R311.2.1 and R315.2.2 R311.2.2.						
	Carbon Monoxide Alarms	R315.2.1	R311.2.1		Keep Existing Amendment		
	R315.2.1 New construction. For new construction, an approved carbon monoxide alarms shall be installed outside of each separate sleeping area in the immediate vicinity of the bedrooms in dwelling units and on each level of the dwelling in accordance with the manufacturer's recommendation. ~~Provided in dwelling units where either or both of the following conditions exist.~~ ~~1. The dwelling unit contains a fuel-fired appliance.~~ ~~2. The dwelling unit has an attached garage with an opening that communicates with the dwelling unit.~~						
	Carbon Monoxide Alarms	R315.2.2	R311.2.2		Keep Existing Amendment		

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
	R315.2.2 Alterations, repairs, and additions. Existing dwellings shall be equipped with carbon monoxide alarms in accordance with Section R315.2.1. An inspection will occur where alterations, repairs, or additions requiring a permit occur, or where one or more sleeping rooms are added or created. ~~Where alterations, repairs or additions requiring a permit occur, the individual dwelling unit shall be equipped with carbon monoxide alarms located as required for new dwellings.~~ EXCEPTION: 1. 1. Work involving only the exterior surfaces of dwellings, such as the replacement of roofing or siding, or the addition or replacement of windows or doors, or the addition of a porch or deck, is exempt from the inspection requirements of this section. 2. Installation, alteration or repairs of nonfuel burning plumbing or mechanical systems or electrical systems are exempt from the inspection requirements of this section. ~~plumbing systems.~~ 3. Owner-occupied single-family residences legally occupied before July 26, 2009. RCW **19.27.530** (2)(b). ~~Installation, alteration or repairs of mechanical systems that are not fuel fired.~~						
	Carbon Monoxide Alarms	R315.3	R311.3		Keep Existing Amendment		
	R315.3 Location. Carbon monoxide alarms in dwelling units shall be installed outside of each separate sleeping area in the immediate vicinity of the bedrooms and on each level of the dwelling and in accordance with the manufacturer's recommendations. Where a fuel burning appliance is located within a bedroom or its attached bathroom, a carbon monoxide alarm shall be installed within the bedroom.						
51-51-03240	Solar Energy Systems	R324.3	R329.3		Keep Existing Amendment		
	R324.3 Photovoltaic systems. Installation, modification, or alteration of solar photovoltaic power systems shall comply with this section and the *International Fire Code*. Section R104.11 alternative materials and methods of this code shall be considered when approving the installation of solar photovoltaic power systems. Photovoltaic systems shall be designed and installed in accordance with Sections R324.3.1 through R324.6 ~~R324.7.1~~ and chapter **19.28** RCW. Inverters shall be listed and labeled in accordance with UL 1741. Systems connected to the utility grid shall use inverters listed for utility interaction. ~~The electrical portion of solar PV systems shall be designed and installed in accordance with NFPA 70.~~ EXCEPTION: Detached, nonhabitable Group U structures shall not be subject to the requirements of this section for structural and fire safety.						
	Solar Energy Systems	R324.4	R329.4		Modify Existing Amendment		Proposal Needed. Suggest removing amendment referencing R907.
	R324.4 Rooftop-mounted photovoltaic systems. Rooftop-mounted photovoltaic panel systems installed on or above the roof covering shall be designed and installed in accordance with Section R907 ~~this section~~. EXCEPTION: The roof structure shall be deemed adequate to support the load of the rooftop solar photovoltaic system if all of the following requirements are met: 1. The solar photovoltaic panel system shall be designed for the wind speed of the local area, and shall be installed per the manufacturer's specifications. 2. The ground snow load does not exceed 70 pounds per square foot (3.35 kPa). 3. The total dead load of modules, supports, mountings, raceways, and all other appurtenances weigh no more than 4 pounds per square foot (19.5 kg/m2). 4. Photovoltaic modules are not mounted higher than 18 inches (457 mm) above the surface of the roofing to which they are affixed. 5. Supports for solar modules are to be installed to spread the dead load across as many roof-framing members as needed, so that no point load exceeds 50 pounds (22.7 kg).						
	Solar Energy Systems	R324.7.1	R329.8.1		Keep Existing Amendment		
	R324.7.1 This section is not adopted. ~~Ground-mounted photovoltaic systems shall be subject to the fire separation distance requirements determined by the local jurisdiction.~~						
51-51-0326	Habitable Attics	R326.1	R316.1		Keep Existing Amendment		Renumber referenced sections to R316
	R326.1 General. *Habitable attics* shall comply with Sections R326.1 ~~R326.2~~ R316.2 through ~~and~~ R326.4 ~~R326.3~~ R316.3. EXCEPTION: Lofts in dwelling units and sleeping units shall be permitted to comply with Section R333, subject to the limitations in Section R333.1.						
51-51-0327	Swimming Pools, Spas, and Hot Tubs	R327.1	R328.1		Modify Existing Amendment		Proposal Needed. Suggest removing reference to 2021 Version of ISPSC
	R327.1 General. The design and construction of swimming pools, ~~and~~ spas, and other aquatic recreation facilities shall comply with the 2021 *International Swimming Pool and Spa Code*, if the facility is one of the following: 1. For the sole use of residents and invited guests at a single-family dwelling; 2. For the sole use of residents and invited guests of a duplex owned by the residents; or 3. Operated exclusively for physical therapy or rehabilitation and under the supervision of a licensed medical practitioner.						

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
51-51-0328	Energy Storage Systems	R328.2	R330.2		Modify Existing Amendment		Proposal needed. Suggest adding "Energy Storage Systems" back to code section
	R328.2 Equipment listings. ~~Energy Storage Systems (~~ESS~~)~~ shall be *listed* and *labeled* for residential use in accordance with UL 9540. EXCEPTIONS: 1. Where approved, repurposed unlisted battery systems from electric vehicles are allowed to be installed outdoors or in detached sheds located not less than 5 feet (1524 mm) from exterior walls, property lines, and public ways. 2. Battery systems that are an integral part of an electric vehicle are allowed provided that the installation complies with Section 625.48 of NFPA 70. 3. Battery systems less than 1 kWh (3.6 megajoules)						
	Energy Storage Systems	R328.12	NA		Keep Existing Amendment		Target Location R330.12
	R328.12 Commissioning. ESS shall be commissioned as follows: 1. Verify that the system is installed in accordance with the approved plans and manufacturer's instructions and is operating properly. 2. Provide a copy of the manufacturer's installation, operation, maintenance, and decommissioning instructions provided with the *listed* system. 3. Provide a label on the installed system containing the contact information for the qualified maintenance and service providers.						
	Energy Storage Systems	R328.12.1	NA		Keep Existing Amendment		Target Location R330.12.1
	R328.12.1 Installation prior to closing. Where the system is installed in a one- or two-family dwelling or townhouse unit that is owned by the builder and has yet to be sold, commissioning shall be conducted as outlined in Section R328.12 R330.12, and the builder shall then transfer the required information in Section R328.12 R330.12 to the homeowner when the property is transferred to the owner at the closing.						
51-51-0330	Adult Family Homes	R330.1	NA		Keep Existing Amendment		Target Section R333.1
	R330.1 General. This section shall apply to all newly constructed adult family homes and all existing single-family homes being converted to adult family homes. This section shall not apply to those adult family homes licensed by the state of Washington department of social and health services prior to July 1, 2001.						
	Adult Family Homes	R330.2	NA		Repeal Existing Amendment		Editorial. Maintaining a reserved status for the section is not required for the published code.
	R330.2 Reserved.						
	Adult Family Homes	R330.3	NA		Keep Existing Amendment		Target Section R333.2
	R330.3 Sleeping room classification. Each sleeping room in an adult family home shall be classified as: 1. Type S - Where the means of egress contains stairs, elevators, or platform lifts. 2. Type NS1 - Where one means of egress is at grade level or a ramp constructed in accordance with Section R330.9 R333.8 is provided. 3. Type NS2 - Where two means of egress are at grade level or ramps constructed in accordance with Section R330.9 R333.8 are provided.						
	Adult Family Homes	R330.4	NA		Keep Existing Amendment		Target Section R333.3
	R330.4 Types of locking devices and door activation. All bedroom and bathroom doors shall be openable from the outside when locked. Every closet shall be readily openable from the inside. Operable parts of door handles, pulls, latches, locks, and other devices installed in adult family homes shall be operable with one hand and shall not require tight grasping, pinching or twisting of the wrist. Pocket doors shall have graspable hardware available when in the closed or open position. The force required to activate operable parts shall be 5.0 pounds (22.2 N) maximum. Required exit doors shall have no additional locking devices. Required exit door hardware shall unlock inside and outside mechanisms when exiting the building allowing reentry into the adult family home without the use of a key, tool or special knowledge.						
	Adult Family Homes	R330.5	NA		Keep Existing Amendment		Target Section R333.4
	R330.5 Smoke and carbon monoxide alarm requirements. All adult family homes shall be equipped with smoke and carbon monoxide alarms installed as required in Sections R314 R310 and R315.1 R311.1. Alarms shall be installed in such a manner so that the detection device warning is audible from all areas of the dwelling upon activation of a single alarm.						
	Adult Family Homes	R330.6	NA		Keep Existing Amendment		Target Section R333.5

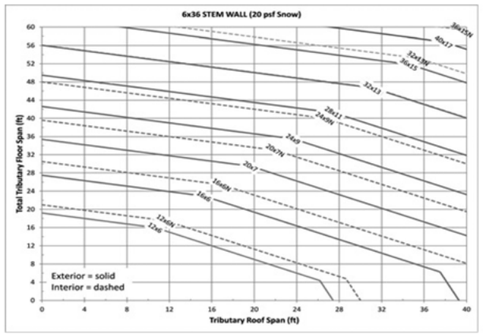
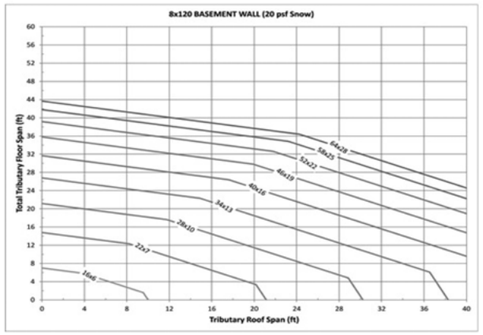
WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
	R330.6 Escape windows and doors. Every sleeping room shall be provided with emergency escape and rescue windows as required by Section R310 R319. No alternatives to the sill height such as steps, raised platforms or other devices placed by the openings will be approved as meeting this requirement.						
	Adult Family Homes	R330.7	NA		Keep Existing Amendment		Target Section R333.6
	R330.7 Fire apparatus access roads and water supply for fire protection. Adult family homes shall be served by fire apparatus access roads and water supplies meeting the requirements of the local jurisdiction.						
	Adult Family Homes	R330.8	NA		Keep Existing Amendment		Target Section R333.7
	R330.8 Grab bar general requirements. Where facilities are designated for use by adult family home clients, grab bars for water closets, bathtubs, and shower stalls shall be installed according to this section.						
	Adult Family Homes	R330.8.1	NA		Keep Existing Amendment		Target Section R333.7.1
	R330.8.1 Grab bar cross section. Grab bars with a circular cross section shall have an outside diameter of 1 1/4 inch (32 mm) minimum and 2 inches (50 mm) maximum. Grab bars with noncircular cross section shall have a cross section dimension of 2 inches (50 mm) maximum and a perimeter dimension of 4 inches (102 mm) minimum and 4 5/8 inches maximum.						
	Adult Family Homes	R330.8.2	NA		Keep Existing Amendment		Target Section R333.7.2
	R330.8.2 Grab bar installation. Grab bars shall have a spacing of 1 1/2 inch (32 mm) between the wall and the bar. Projecting objects, control valves and bathtub or shower stall enclosure features above, below and at the ends of the grab bar shall have a clear space of 1 1/2 inch (32 mm) to the grab bar. EXCEPTION: Swing-up grab bars shall not be required to meet the 1 1/2 inch (32 mm) spacing requirement. Grab bars shall have a structural strength of 250 pounds applied at any point on the grab bar, fastener, mounting device or supporting structural member. Grab bars shall not be supported directly by any residential grade fiberglass bathing or showering unit. Acrylic bars found in bathing units shall be removed. Fixed position grab bars, when mounted, shall not rotate, spin or move and have a graspable surface finish.						
	Adult Family Homes	R330.8.3	NA		Keep Existing Amendment		Target Section R333.7.3
	R330.8.3 Grab bars at water closets. Water closets shall have grab bars mounted on both sides. Grab bars can be a combination of fixed position and swing-up bars. Grab bars shall meet the requirements of Section R330.8 R333.7. Grab bars shall mount between 33 inches (838 mm) and 36 inches (914 mm) above floor grade. Centerline distance between grab bars, regardless of type used, shall be between 25 inches (635 mm) minimum and 30 inches (762 mm) maximum.						
	Adult Family Homes	R330.8.3.1	NA		Keep Existing Amendment		Target Section R333.7.3.1
	R330.8.3.1 Fixed position grab bars. Fixed position grab bars shall be a minimum of 36 inches (914 mm) in length and start 12 inches (305 mm) from the rear wall.						
	Adult Family Homes	R330.8.3.2	NA		Keep Existing Amendment		Target Section R333.7.3.2
	R330.8.3.2 Swing-up grab bars. Swing-up grab bars shall be a minimum of 28 inches (711 mm) in length from the rear wall.						
	Adult Family Homes	R330.8.4	NA		Keep Existing Amendment		Target Section R333.7.4
	R330.8.4 Grab bars at bathtubs. Horizontal and vertical grab bars shall meet the requirements of Section R330.8 R333.7.						
	Adult Family Homes	R330.8.4.1	NA		Keep Existing Amendment		Target Section R333.7.4.1
	R330.8.4.1 Vertical grab bars. Vertical grab bars shall be a minimum of 18 inches (457 mm) long and installed at the control end wall and head end wall. Grab bars shall mount within 4 inches (102 mm) of the exterior of the bathtub edge or within 4 inches (102 mm) within the bathtub. The bottom end of the bar shall start between 36 inches (914 mm) and 42 inches (1067 mm) above floor grade. EXCEPTION: The required vertical grab bar can be substituted with a floor to ceiling grab bar meeting the requirements of Section R325.8 at the control end and head end entry points.						
	Adult Family Homes	R330.8.4.2	NA		Keep Existing Amendment		Target Section R333.7.4.2
	R330.8.4.2 Horizontal grab bars. Horizontal grab bars shall be provided at the control end, head end, and the back wall within the bathtub area. Grab bars shall be mounted between 33 inches (838 mm) and 36 inches (914 mm) above floor grade. Control end and head end grab bars shall be 24 inches (610 mm) minimum in length. Back wall grab bars shall be 36 inches (914 mm) minimum in length.						
	Adult Family Homes	R330.8.5	NA		Keep Existing Amendment		Target Section R333.7.5

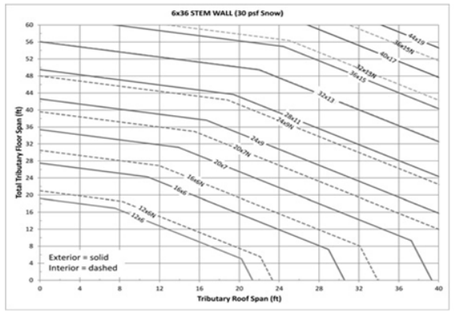
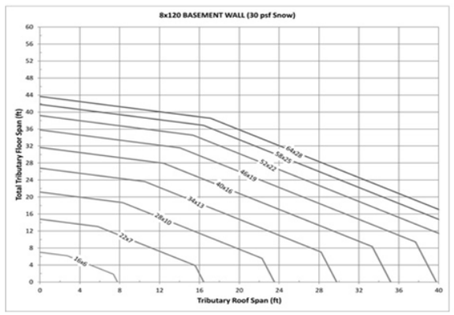
WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
	R330.8.5 Grab bars at shower stalls. Where shower stalls are provided to meet the requirements for bathing facilities, grab bars shall meet the requirements of Section R330.8 R333.7. EXCEPTION: Shower stalls with permanent built-in seats are not required to have vertical or horizontal grab bars at the seat end wall. A vertical floor to ceiling grab bar shall be installed within 4 inches of the exterior of the shower aligned with the nose of the built-in seat.						
	Adult Family Homes	R330.8.5.1	NA		Keep Existing Amendment		Target Section R333.7.5.1
	R330.8.5.1 Vertical grab bars. Vertical grab bars shall be 18 inches (457 mm) minimum in length and installed at the control end wall and head end wall. Vertical bars shall be mounted within 4 inches (102 mm) of the exterior of the shower stall or within 4 inches (102 mm) inside the shower stall. The bottom end of vertical bars mount between 36 inches (914 mm) and 42 inches (1067 mm) above floor grade.						
	Adult Family Homes	R330.8.5.2	NA		Keep Existing Amendment		Target Section R333.7.5.2
	R330.8.5.2 Horizontal grab bars. Horizontal grab bars shall be installed on all sides of the shower stall mounted between 33 inches (838 mm) and 36 inches (914 mm) above the floor grade. Horizontal grab bars shall be a maximum of 6 inches (152 mm) from adjacent walls. Horizontal grab bars shall not interfere with shower control valves.						
	Adult Family Homes	R330.9	NA		Keep Existing Amendment		Target Section R333.8
	R330.9 Ramps. All interior and exterior ramps, when provided, shall be constructed in accordance with Section R311.8 R318.8 with a maximum slope of 1 vertical to 12 horizontal. The exception to Section R311.8.1 is not allowed for adult family homes. Handrails shall be installed in accordance with Section R330.9.1.						
	Adult Family Homes	R330.9.1	NA		Keep Existing Amendment		Target Section R333.8.1
	R330.9.1 Handrails for ramps. Handrails shall be installed on both sides of ramps between the slope of 1 vertical to 12 horizontal and 1 vertical and 20 horizontal in accordance with Sections R311.8.3.1 R318.8.3.1 through R311.8.3.3 R318.8.3.3.						
	Adult Family Homes	R330.10	NA		Keep Existing Amendment		Target Section R333.9
	R330.10 Stair treads and risers. Stair treads and risers shall be constructed in accordance with Section R311.7.5 R318.7.5. Handrails shall be installed in accordance with Section R330.10.1.						
	Adult Family Homes	R330.10.1	NA		Keep Existing Amendment		Target Section R333.9.1
	R330.10.1 Handrails for treads and risers. Handrails shall be installed on both sides of treads and risers numbering from one riser to multiple risers. Handrails shall be installed in accordance with Sections R311.7.8.1 R318.7.8.1 through R311.7.8.4 R318.7.8.4.						
	Adult Family Homes	R330.11	NA		Keep Existing Amendment		Target Section R333.10
	R330.11 Shower stalls. Where provided to meet the requirements for bathing facilities, the minimum size of shower stalls for an adult family home shall be 30 inches (762 mm) deep by 48 inches (1219 mm) long.						
51-51-0331	Family Home Child Care	R331.1	NA		Keep Existing Amendment		Target Section R334.1

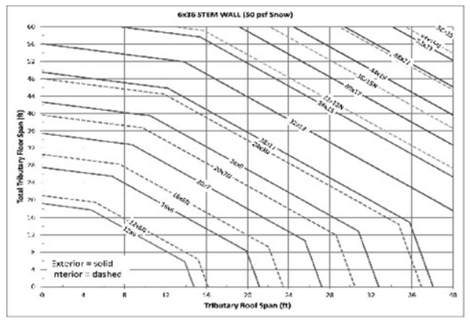
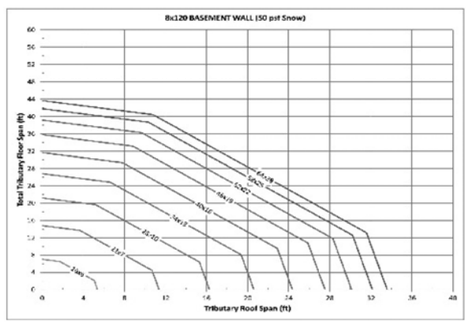
WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
	Section R331—Family home child care. **R331.1 Family home child care.** For family home child care with more than six children, each floor level used for family child care purposes shall be served by two remote means of egress. Exterior exit doors shall be operable from the inside without the use of keys or any special knowledge or effort. Basements located more than 4 feet below grade level shall not be used for family home child care unless one of following conditions exist: 1. Stairways from the basement open directly to the exterior of the building without entering the first floor; 2. One of the two required means of egress discharges directly to the exterior from the basement level, and a self-closing door is installed at the top or bottom of the interior stair leading to the floor above; 3. One of the two required means of egress is an operable window or door, approved for emergency escape or rescue, that opens directly to a public street, public alley, yard or exit court; or 4. An automatic residential sprinkler system shall be designed and installed in accordance with Section P2904 or NFPA 13D. Floors located more than 4 feet above grade level shall not be occupied by children in family home child care. EXCEPTION: 1. Use of toilet facilities while under supervision of an adult staff person; 2. Family home child care may be allowed on the second story if one of the following conditions exists: 2.1. Stairways from the second story open directly to the exterior of the building without entering the first floor; 2.2. One of the two required means of egress discharges directly to the exterior from the second story level, and a self-closing door is installed at the top or bottom of the interior stair leading to the floor below; or 2.3. An automatic residential sprinkler system shall be designed and installed in accordance with Section P2904 or NFPA 13D. Every sleeping or napping room in a family home child care shall have at least one operable window for emergency rescue. EXCEPTION: Sleeping or napping rooms having doors leading to two separate means of egress, or a door leading directly to the exterior of the building. Smoke alarms shall be installed in accordance with the requirements of new construction per Section R314 R310. In addition to the required smoke alarms, a heat alarm shall be provided in each kitchen.						
	Family Home Child Care	R331.2	NA		Keep Existing Amendment		Target Section R334.2
	R331.2 Additional requirements for family home child care with thirteen to sixteen children. In addition to the requirements of Section 331.1 R334.1 the provisions of this section shall apply to *family home child care* with thirteen to sixteen children.						
	Family Home Child Care	R331.2.1	NA		Keep Existing Amendment		Target Section R334.2.1
	R331.2.1 Illumination in the event of power failure. In addition to illumination requirements of Section R311.7.9 R318.7.10, an artificial light source that activates upon termination of building power supply shall be installed at all interior stairs serving child care areas.						
	Family Home Child Care	R331.2.2	NA		Keep Existing Amendment		Target Section R334.2.2
	R331.2.2 Exterior exit doors serving child care areas. Exterior exit doors serving child care areas shall comply with the requirements of Sections R311.2 R318.2 and R311.3 R318.3.						
	Family Home Child Care	R331.3	NA		Keep Existing Amendment		Target Section R334.3
	R331.3 Sprinklers. An automatic residential sprinkler system shall be designed and installed in accordance with Section P2904 or NFPA 13D. EXCEPTION: Subject to approval of the *code official*, a sprinkler system is not required where all of the following conditions are met: 1. Child care areas are located on a floor within 4 feet of grade level; 2. Each room used for child care shall have a door compliant with Section R311.2 R318.2 and R311.3 R318.3, leading directly to the exterior of the building. The exterior landing at the door shall comply with Section R311.3 R318.3 but need not comply with Section R311.3.1 R318.3.1.						
51-51-0332	Protection Against Radon	R332.1	NA		Keep Existing Amendment		Target Section R335.1
	Section R332—Protection against radon. **R332.1 Protection against radon.** The radon control provisions of Appendix F of this code shall apply to buildings constructed in high radon potential counties (zone 1) designated in Table AFBE101(1). The radon control provisions of Appendix F BE of this code shall also apply to all buildings constructed using the provisions of Section R408.3 Unvented crawl space compliance method.						
51-51-0333	Lofts	R333.1	R315.1		Repeal Existing Amendment		Proposal Needed. See Significant Change report. New Language added to model code.

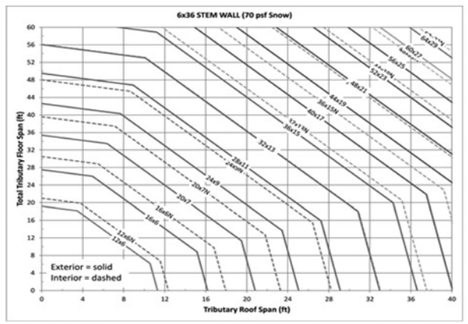
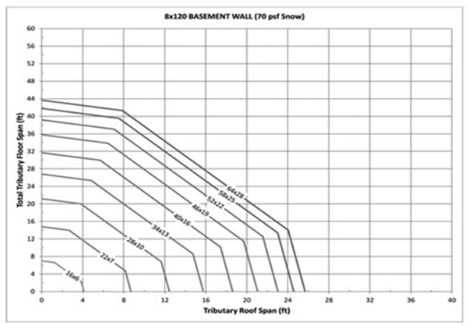
WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
	Section R333 R315—Sleeping Lofts. **R333.1 General.** Where provided in dwelling units or sleeping units, sleeping lofts shall comply with this code as modified by Sections R333.1 R315.2 through R333.5 R315.5. Sleeping Lofts constructed in compliance with this section shall be considered a portion of the story below. Such sleeping lofts shall not contribute to the number of stories as regulated by this code. EXCEPTION: sleeping Lofts need not comply with Section R333 R315 where they meet any of the following conditions: 1. The sleeping loft has a maximum depth of less than 3 feet (914 mm). 2. The sleeping loft has a floor area of less than 35 square feet (3.3 m2). 3. The sleeping loft is not provided with a permanent means of egress.						
	Lofts	R333.2	R315.2		Repeal Existing Amendment		Proposal Needed. See Significant Change report. New Language added to model code.
	R333.2 R315.2 Sleeping Loft limitations. sleeping Lofts shall comply with the following conditions: 1. The sleeping loft floor area shall be less than 70 square feet (6.5 m2). 2. The sleeping loft ceiling height shall not exceed 7 feet (2134 mm) for more than one half of the sleeping loft floor area. The provisions of Sections R333.3 R315.3 through R333.5 R315.5 shall not apply to lofts that do not comply with Items 1 and 2 of this section.						
	Lofts	R333.3	R315.3		Repeal Existing Amendment		Proposal Needed. See Significant Change report. New Language added to model code.
	R333.3 R315.3 Sleeping Loft ceiling height. The ceiling height below a the sleeping loft floor construction shall not be less than 7 feet (2134 mm). The ceiling height above the finished floor of the sleeping loft shall not be less than 3 feet (914 mm). Portions of the Spaces adjacent to the sleeping loft with a sloped ceiling measuring less than 3 feet (914 mm) from the finished floor to the finished ceiling shall not contribute to the sleeping loft floor area.						
	Lofts	R333.4	R315.4		Repeal Existing Amendment		Proposal Needed. See Significant Change report. New Language added to model code.
	R333.4 R315.4 Sleeping Loft area. The aggregate area of all sleeping lofts and mezzanines within a room shall comply with Section R325.3 R314.3. EXCEPTION: The area of a single sleeping loft located within a dwelling unit or sleeping unit equipped with an automatic sprinkler system in accordance with Section P2904 shall not be greater than two-thirds of the area of the room in which it is located, provided that no other sleeping lofts or mezzanines are open to the room in which the sleeping loft is located.						
	Lofts	R333.5	R315.5		Repeal Existing Amendment		Proposal Needed. See Significant Change report. New Language added to model code.
	R333.5 R315.5 Permanent egress for sleeping lofts. Where a permanent means of egress is provided for lofts, the means of egress shall comply with Section R311 R318 as modified by Section R333.5.1 R315.5.1 through R315.5.3.						
	Lofts	R333.5.1	R315.5.1		Repeal Existing Amendment		Proposal Needed. See Significant Change report. New Language added to model code.
	R333.5.1 R315.5.1 Ceiling height at sleeping loft means of egress. A minimum ceiling height of not less than 3 feet (914 mm) shall be provided for the entire width of the means of egress from the sleeping loft.						
51-51-0334	Stationary Fuel Power Systems	R334.1	R332.1		Repeal Existing Amendment		Proposal Needed. See Significant Change report. New Language added to model code.
	Section R334 R332—Stationary fuel cell power systems. **R334.1 R332.1 General.** Stationary fuel cell power systems in new and existing buildings and structures shall comply with Section 1206 of the *International Fire Code*.						
CHAPTER 4 FOUNDATIONS (Part III Building Planning and Construction)							

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
51-51-0403	Footings	R403.1.1	R403.1.1		Modify Existing Amendment		Proposal Needed. Incorporate Model Language Change
	R403.1.1 Minimum size. The minimum width, W, and thickness, T, for concrete footings shall be in accordance with Tables R403.1(1) through R403.1(3) and Figure R403.1(1) or R403.1.3, as applicable, but not less than 12 inches (305 mm) in width and 6 inches (152 mm) in depth. The footing width shall be based on the load-bearing value of the soil in accordance with Table R401.4.1. Footing projections, P, shall be not less than 2 inches (51 mm) and shall not exceed the thickness of the footing. Footing thickness and projection for fireplaces shall be in accordance with Section R1001. The size of footings supporting piers and columns shall be based on the tributary load and allowable soil pressure in accordance with Table R401.4.1. Footings for wood foundations shall be in accordance with the details set forth in Section R403.2, and Figures R403.1(2) and R403.1(3). Footings for precast foundation shall be in accordance with the details set forth in Section R403.4, Table R403.4, and Figures R403.4(1) and R403.4(2). Crushed stone footings for cast-in-place concrete foundations shall be in accordance with Section R403.5. EXCEPTION: Light-frame construction shall be permitted to have minimum footing size in accordance with Figures R403.1.1(1) through R403.1.1(4) in lieu of that determined by Table R403.1(1).						
	Footings	F R403.1.1(1)	F R403.1.1(1)		Keep Existing Amendment		

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
	Figure R403.1.1(1) Alternative Minimum Footing Size for Light-Frame Construction a,b,c,d,e,f,g,h,i 20 PSF Snow Load   Notes: a. The minimum footing size is based on the following assumptions: Material weights per Section R301.2.2.2.1 and soil density = 120 pcf. Wood-framed walls = 10 foot; crawlspace stem wall = 6 inches × 36 inches; basement wall = 8 inches × 120 inches. Total load (TL) equal to the maximum of three load combinations: LC1=D+L, LC2=D+S and LC3=D=0.75(L+S), where D=dead load, L=live load, S=snow load. TL=max (LC1, LC2, LC3). b. Use tributary span of floor and roof. Figure may be used to size exterior and interior footings. c. Add 4 feet to tributary floor span for each wood-framed wall above first level (i.e., 4 feet for 2-story, 8 feet for 3-story) d. Multiply floor span by 1.25 for interior footings supporting continuous joists. e. Multiply footing width by (1500 psf/capacity) for soil capacity other than 1500 psf. See Section R403.1.1 for thickness. f. Dashed line may be used for interior footing size only. g. Use footing size indicated on line above the span combination used. h. For span combinations above the upper line, a design professional is required. i. Interpolation between footing sizes is allowed. Extrapolation is not allowed.						
	Footings	F R403.1.1(2)	F R403.1.1(2)		Keep Existing Amendment		

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
	Figure R403.1.1(2) Alternative Minimum Footing Size for Light-Frame Construction a,b,c,d,e,f,g,h,i 30 PSF Snow Load   Notes: a. The minimum footing size is based on the following assumptions: Material weights per Section R301.2.2.2.1 and soil density = 120 pcf. Wood-framed walls = 10 foot; crawlspace stem wall = 6 inches × 36 inches; basement wall = 8 inches × 120 inches. Total load (TL) equal to the maximum of three load combinations: LC1=D+L, LC2=D+S and LC3=D=0.75(L+S), where D=dead load, L=live load, S=snow load. TL=max (LC1, LC2, LC3). b. Use tributary span of floor and roof. Figure may be used to size exterior and interior footings. c. Add 4 feet to tributary floor span for each wood-framed wall above first level (i.e., 4 feet for 2-story, 8 feet for 3-story). d. Multiply floor span by 1.25 for interior footings supporting continuous joists. e. Multiply footing width by (1500 psf/capacity) for soil capacity other than 1500 psf. See Section R403.1.1 for thickness. f. Dashed line may be used for interior footing size only. g. Use footing size indicated on line above the span combination used. h. For span combinations above the upper line, a design professional is required. i. Interpolation between footing sizes is allowed. Extrapolation is not allowed.						
	Footings	F R403.1.1(3)	F R403.1.1(3)		Keep Existing Amendment		

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
	Figure R403.1.1(3) Alternative Minimum Footing Size for Light-Frame Construction a,b,c,d,e,f,g,h,i 50 PSF Snow Load   Notes: a. The minimum footing size is based on the following assumptions: Material weights per Section R301.2.2.2.1 and soil density = 120 pcf. Wood-framed walls = 10 foot; crawlspace stem wall = 6 inches × 36 inches; basement wall = 8 inches × 120 inches. Total load (TL) equal to the maximum of three load combinations: LC1=D+L, LC2=D+S and LC3=D=0.75(L+S), where D=dead load, L=live load, S=snow load. TL=max (LC1, LC2, LC3). b. Use tributary span of floor and roof. Figure may be used to size exterior and interior footings. c. Add 4 feet to tributary floor span for each wood-framed wall above first level (i.e., 4 feet for 2-story, 8 feet for 3-story). d. Multiply floor span by 1.25 for interior footings supporting continuous joists. e. Multiply footing width by (1500 psf/capacity) for soil capacity other than 1500 psf. See Section R403.1.1 for thickness. f. Dashed line may be used for interior footing size only. g. Use footing size indicated on line above the span combination used. h. For span combinations above the upper line, a design professional is required. i. Interpolation between footing sizes is allowed. Extrapolation is not allowed.						
	Footings	F R403.1.1(4)	F R403.1.1(4)		Keep Existing Amendment		

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
	Figure R403.1.1(4) Alternative Minimum Footing Size for Light-Frame Construction a,b,c,d,e,f,g,h,i 70 PSF Snow Load   Notes: a. The minimum footing size is based on the following assumptions: Material weights per Section R301.2.2.2.1 and soil density = 120 pcf. Wood-framed walls = 10 foot; crawlspace stem wall = 6 inches × 36 inches; basement wall = 8 inches × 120 inches. Total load (TL) equal to the maximum of three load combinations: LC1=D+L, LC2=D+S and LC3=D=0.75(L+S), where D=dead load, L=live load, S=snow load. TL=max (LC1, LC2, LC3). b. Use tributary span of floor and roof. Figure may be used to size exterior and interior footings. c. Add 4 feet to tributary floor span for each wood-framed wall above first level (i.e., 4 feet for 2-story, 8 feet for 3-story). d. Multiply floor span by 1.25 for interior footings supporting continuous joists. e. Multiply footing width by (1500 psf/capacity) for soil capacity other than 1500 psf. See Section R403.1.1 for thickness. f. Dashed line may be used for interior footing size only. g. Use footing size indicated on line above the span combination used. h. For span combinations above the upper line, a design professional is required. i. Interpolation between footing sizes is allowed. Extrapolation is not allowed.						
51-51-0408	Under Floor Space	R408.1	R408.1		Keep Existing Amendment		
	R408.1 Ventilation ~~Moisture Control~~. The under-floor space between the bottom of the floor joists and the earth under any building (except space occupied by a basement) shall have ventilation openings through foundation walls or exterior walls. A ground cover of six mil (0.006 inch thick) black polyethylene or approved equal shall be laid over the ground within crawl spaces. The ground cover shall be overlapped 6 inches (152 mm) minimum at the joints and shall extend to the foundation wall. ~~comply with R408.2 or R408.3~~ EXCEPTION: The ground cover may be omitted in crawl spaces if the crawl space has a concrete slab floor with a minimum thickness of 2 inches (51 mm).						
	Under Floor Space	R408.2	R408.2		Keep Existing Amendment		

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
	R408.2 Openings for under-floor ventilation. ~~Ventilation openings through foundations or exterior walls surrounding the under-floor space shall be provided in accordance with this section.~~ The minimum net area of ventilation openings shall ~~be~~ not be less than 1 square foot (0.0929 m^2) for each 300 ~~150~~ square feet (28 ~~14~~ m^2) of under-floor area. Required openings shall be evenly placed to provide cross ventilation of the space except one side of the building shall be permitted to have no ventilation openings. ~~One ventilation opening shall be within 3 feet (915 mm) of each external corner of the under-floor space.~~ Ventilation openings shall be covered for their height and width with any of the following materials provided that the least dimension of the covering shall not exceed 1/4 inch (6.4 mm), and operational louvers are permitted: 1. Perforated sheet metal plates not less than 0.070 inch (1.8 mm) thick. 2. Expanded sheet metal plates not less than 0.047 inch (1.2 mm) thick. 3. Cast-iron grill or grating. 4. Extruded load-bearing brick vents. 5. Hardware cloth of 0.035 inch (0.89 mm) wire or heavier. 6. Corrosion-resistant wire mesh, with the least dimension being 1/8 inch (3.2 mm). EXCEPTION: ~~1.~~ The total area of ventilation openings shall be permitted to be reduced to 1/1,500 of the under-floor area where the ground surface is covered with an approved Class I vapor retarder material and the required openings are placed to provide cross ventilation of the space. The installation of operable louvers shall not be prohibited. If the installed ventilation is less than 1/300, or if operable louvers are installed, a radon vent shall be installed to originate from a point between the ground cover and soil. The radon vent shall be installed in accordance with the requirements of Appendix AF BE (Radon) of this code. ~~2. Where the ground surface is covered with an approved Class 1 vapor retarder material, ventilation openings are not required to be within 3 feet (915 mm) of each external corner of the under-floor space provided that the openings are placed to provide cross ventilation of the space.~~			
	Under Floor Space	R408.3	R408.3		Keep Existing Amendment		
	R408.3 Unvented crawl space. Ventilation openings in ~~for unvented~~ under-floor spaces specified in Section R408.2 ~~the following~~ shall not be required where ~~be provided~~: 1. Exposed earth is ~~shall be~~ covered with a continuous Class I vapor retarder. Joints of the vapor retarder shall overlap by 6 inches (152 mm) and shall be sealed or taped. The edges of the vapor retarder shall extend at least ~~not less than~~ 6 inches (152 mm) up the stem wall and shall be attached and sealed to the stem wall ~~or insulation~~; and a radon system shall be installed that meets the requirements of Appendix AF BE (Radon) of this code. 2. ~~One of the following shall be provided for the underfloor space:~~ 2. ~~2.1~~Continuously operated mechanical exhaust ventilation is provided at a rate equal to 1 cubic foot per minute (0.47 L/s) for each 50 square feet (4.7 m2) of crawlspace floor area ~~including an air pathway to the common area (such as a duct or transfer grille), and perimeter walls insulated in accordance with Section N1102.2.10.1 of this code~~. Exhaust ventilation shall terminate to the exterior. EXCEPTION: Plenum in existing structures complying with Section M1601.5, if under-floor space is used as a plenum. ~~2.2 Conditioned air supply sized to deliver at a rate equal to 1 cubic foot per minute (0.47 L/s) for each 50 square feet (4.7 m^2) of underfloor area, including a return pathway to the common area (such as a duct or transfer grille), and perimeter walls insulated in accordance with N1102.2.10.1 of this code.~~ ~~2.3 Plenum in existing structures complying with Section M1601.5, if under-floor space is used as aplenum.~~ ~~2.4 Dehumidification sized in accordance with manufacturers specifications.~~			
	Under Floor Space	R408.8	R408.8		Keep Existing Amendment		
	R408.8 Under-floor vapor retarder. This section is not adopted. ~~In Climate Zones 1A, 2A and 3A below the warm-humid line, a continuous Class I orII vapor retarder shall be provided on the exposed face of air-permeable insulation installed between the floor joists and exposed to the grade in the under-floor space. The vapor retarder shall have a maximum water vapor permeance of 1.5 perms when tested in accordance with Procedure B of ASTM E96.~~ ~~Exception: The vapor retarder shall not be required in unvented crawl spaces constructed in accordance with Section R408.3~~						
CHAPTER 5 FLOORS (Part III Building Planning and Construction)							
51-51-0507	Exterior Decks	T R507.3.1	T R507.3.1		Keep Existing Amendment		

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments

TABLE R507.3.1
MINIMUM FOOTING SIZE FOR DECKS

LIVE OR GROUND SNOW LOAD (psf)	TRIBUTARY AREA (sq.ft.)	LOAD-BEARING VALUE OF SOILSacd (psf)								
		1500e			2000e			≥ 3000e		
		Side of a square footing (inches)	Diameter of a round footing (inches)	Thicknessf (inches)	Side of a square footing (inches)	Diameter of a round footing (inches)	Thicknessf (inches)	Side of a square footing (inches)	Diameter of a round footing (inches)	Thicknessf (inches)
60 Live or 70 Ground Snow Load	5	7	8	6	7	8	6	7	8	6
	20	12	14	6	11	13	6	9	10	6
	40	18	20	6	15	17	6	12	14	6
	60	21	24	8	19	21	6	15	17	6
	80	25	28	9	21	24	8	18	20	6
	100	28	31	11	24	27	9	20	22	7
	120	30	34	12	26	30	10	21	24	8
	140	33	37	13	28	32	11	23	26	9
	160	35	40	15	30	34	12	25	28	9

For SI: 1 inch = 25.4 mm, 1 square foot = 0.0929 m2, 1 pound per square foot = 0.0479 kPa.

a. Interpolation permitted, extrapolation not permitted.
b. Reserved.
c. Footing dimensions shall allow complete bearing of the post.
d. If the support is a brick or CMU pier, the footing shall have a minimum 2-inch projection on all sides.
e. Area, in square feet, of deck surface supported by post and footings.
f. Minimum thickness shall only apply to plain concrete footings,

	Exterior Decks	R507.4	R507.4		Repeal Existing Amendment		Proposal Needed. Same as model code language.
	R507.4 Deck posts. For single-level decks, wood post size shall be in accordance with Table R507.4.						
	Exterior Decks	T R507.4	T R507.4				

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments

TABLE R507.4
DECK POST HEIGHT

LOADS[b] (psf)	POST SPECIES[c]	POST SIZE[d]	TRIBUTARY AREA[g,h] (sq. ft.) 20	40	60	80	100	120	140	160
			MAXIMUM DECK POST HEIGHT[a] (feet-inches)							
60 Live Load, ≤60 Ground Snow Load	Douglas Fir, Hem-fir, SPF[e]	4 x 4	14-0	10-10	8-7	7-0	5-8	4-1	NP	NP
		4 x 6	14-0	13-10	11-1	9-5	8-2	7-3	6-4	5-4
		6 x 6	14-0	14-0	14-0	14-0	14-0	13-3	10-9	6-11
		8 x 8	14-0	14-0	14-0	14-0	14-0	14-0	14-0	14-0
	Redwood[f], Western Cedars[f], Ponderosa Pine[f], Red Pine[f]	4 x 4	14-0	10-3	7-0	NP	NP	NP	NP	NP
		4 x 6	14-0	13-6	10-6	8-4	5-10	NP	NP	NP
		6 x 6	14-0	14-0	14-0	14-0	11-11	NP	NP	NP
		8 x 8	14-0	14-0	14-0	14-0	14-0	14-0	14-0	14-0
70 Ground Snow Load	Douglas Fir, Hem-fir, SPF[e]	4 x 4	14-0	10-1	7-11	6-6	5-3	3-7	NP	NP
		4 x 6	14-0	12-10	10-3	8-9	7-7	6-8	5-10	4-11
		6 x 6	14-0	14-0	14-0	14-0	14-0	12-2	9-9	5-9
		8 x 8	14-0	14-0	14-0	14-0	14-0	14-0	14-0	14-0
	Redwood[f], Western Cedars[f], Ponderosa Pine[f], Red Pine[f]	4 x 4	14-0	9-5	6-5	NP	NP	NP	NP	NP
		4 x 6	14-0	12-6	9-8	7-7	5-3	NP	NP	NP
		6 x 6	14-0	14-0	14-0	14-0	10-8	NP	NP	NP
		8 x 8	14-0	14-0	14-0	14-0	14-0	14-0	14-0	14-0

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 square foot = 0.0929 m2, 1 pound per square foot = 0.0479 kPa, NP = Not permitted.

a. Measured from the underside of the beam to top of footing or pier.
b. 10 psf dead load. Snow load not assumed to be concurrent with live load.
c. No. 2 grade, wet service factor included.
d. Notched deck posts shall be sized to accommodate beam size in accordance with Section R507.5.2.
e. Includes incising factor.
f. Incising factor not included.
g. Area, in square feet, of deck surface supported by post and footing.
h. Interpolation permitted. Extrapolation not permitted.

	Exterior Decks	R507.5	R507.5		Modify Existing Amendment		Proposal Needed. Incorporate New Model Language + Suggest breaking tables not adopted into individual lines

R507.5 Deck beams. Maximum allowable spans for wood deck beams, as shown in Figure R507.5, shall be in accordance with Table R507.5 and based on the joist span length and cantilever length as shown in Figure R507.6. Beam plies shall be fastened together with two rows of 10d (3-inch × 0.128-inch) nails minimum at 16 inches (406 mm) on center along each edge. Beams shall be permitted to cantilever at each end up to one-fourth of the actual beam span. Deck beams of other materials shall be permitted where designed in accordance with accepted engineering practices.

Tables R507.5(1) throughR507.5(4) are not adopted.

	Exterior Decks	T R507.5	T R507.5		Keep Existing Amendment		

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments

TABLE R507.5
MAXIMUM DECK BEAM SPAN - 60 PSF LIVE LOAD or 70 PSF GROUND SNOW LOAD[c]

BEAM SPECIES[d]	BEAM SIZE[e]	EFFECTIVE DECK JOIST SPAN LENGTH[a,i] (feet)						
		6	8	10	12	14	16	18
		MAXIMUM DECK BEAM SPAN LENGTH[a,b,f] (feet-inches)						
Douglas fir-larch[g], Hem-fir[g], Spruce-pine-fir[g]	1-2×6	3-5	2-10	2-5	2-2	2-0	1-10	1-9
	1-2×8	4-7	3-8	3-2	2-10	2-7	2-5	2-4
	1-2×10	5-8	4-9	4-1	3-8	3-4	3-1	2-11
	1-2×12	6-7	5-8	5-0	4-6	4-1	3-10	3-7
	2-2×6	5-2	4-6	4-0	3-5	3-1	2-10	2-7
	2-2×8	6-11	6-0	5-3	4-7	4-1	3-8	3-5
	2-2×10	8-5	7-4	6-6	5-10	5-2	4-9	4-5
	2-2×12	9-10	8-6	7-7	6-11	6-4	5-9	5-4
	3-2×6	6-6	5-7	5-0	4-7	4-2	3-9	3-5
	3-2×8	8-8	7-6	6-8	6-1	5-6	5-0	4-7
	3-2×10	10-7	9-2	8-2	7-6	6-11	6-4	5-10
	3-2×12	12-4	10-8	9-7	8-9	8-1	7-7	7-1
Redwood[h], Western Cedars[h], Ponderosa Pine[h], Red Pine[h]	1-2×6	3-6	2-11	2-6	2-3	2-0	1-11	1-9
	1-2×8	4-6	3-10	3-3	2-11	2-8	2-6	2-4
	1-2×10	5-6	4-9	4-2	3-9	3-5	3-2	3-0
	1-2×12	6-4	5-6	4-11	4-6	4-2	3-11	3-8
	2-2×6	5-3	4-7	4-1	3-6	3-2	2-11	2-8
	2-2×8	6-8	5-9	5-2	4-8	4-2	3-10	3-6
	2-2×10	8-2	7-1	6-4	5-9	5-4	4-10	4-6
	2-2×12	9-5	8-2	7-4	6-8	6-2	5-9	5-5
	3-2×6	6-4	5-8	5-1	4-8	4-3	3-10	3-6
	3-2×8	8-4	7-3	6-5	5-11	5-5	5-1	4-8
	3-2×10	10-2	8-10	7-11	7-2	6-8	6-3	5-11
	3-2×12	11-10	10-3	9-2	8-4	7-9	7-3	6-10

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 pound per square foot = 0.0479 kPa, 1 pound = 0.454 kg.

a. Interpolation allowed. Extrapolation is not allowed.
b. Beams supporting a single span of joists with or without cantilever.
c. Dead load = 10 psf, L/Δ = 360 at mainspan, L/Δ = 180 at cantilever. Snow load not assumed to be concurrent with live load.
d. No. 2 grade, wet service factor included.
e. Beam depth shall be equal to or greater than the depth of intersecting joist for a flush beam connection.
f. Beam cantilevers are limited to the adjacent beam's span divided by 4.
g. Includes incising factor.
h. Incising factor not included.
i. Deck joist span as shown in Figure R507.5.
j. For calculation of effective joist span, the actual joist span length shall be multiplied by the joist span factor in accordance with Table R507.5(5).

	Exterior Decks	R507.6	R507.6		Repeal Existing Amendment		Proposal Needed. Same as Model Code Language
	R507.6 Deck joists. Maximum allowable spans for wood deck joists, as shown in Figure R507.6, shall be in accordance with Table R507.6. The maximum joist spacing shall be limited by the decking materials in accordance with Table R507.7.						
	Exterior Decks	T R507.6	T R507.6		Keep Existing Amendment		

<table>
<tr><th>WAC</th><th>Title or Subject</th><th>2021 IRC #</th><th>2024 IRC #</th><th>Rationale</th><th>2024 Staff Recommendation</th><th>2024 TAG Member Recommendation</th><th>Other Comments</th></tr>
<tr><td></td><td>
TABLE R507.6
MAXIMUM DECK JOIST SPANS
<table>
<tr><th rowspan="3">LOAD[a] (psf)</th><th rowspan="3">JOIST SPECIES[b]</th><th rowspan="3">JOIST SIZE</th><th colspan="3">ALLOWABLE JOIST SPAN[b,c] (feet-inches)</th><th colspan="8">MAXIMUM CANTILEVER[d,f] (feet-inches)</th></tr>
<tr><th colspan="3">Joist Spacing (inches)</th><th colspan="8">Adjacent Joist Back Span[g] (feet)</th></tr>
<tr><th>12</th><th>16</th><th>24</th><th>4</th><th>6</th><th>8</th><th>10</th><th>12</th><th>14</th><th>16</th><th>18</th></tr>
<tr><td rowspan="8">60 Live Load or 70 Ground Snow Load</td><td rowspan="4">Douglas fir-larch[e], Hem-fir[e], Spruce-pine-fir[e]</td><td>2×6</td><td>7-11</td><td>7-1</td><td>5-9</td><td>1-0</td><td>1-6</td><td>NP</td><td>NP</td><td>NP</td><td>NP</td><td>NP</td><td>NP</td></tr>
<tr><td>2×8</td><td>10-5</td><td>9-5</td><td>7-8</td><td>1-0</td><td>1-6</td><td>2-0</td><td>2-1</td><td>NP</td><td>NP</td><td>NP</td><td>NP</td></tr>
<tr><td>2×10</td><td>13-3</td><td>11-6</td><td>9-5</td><td>1-0</td><td>1-6</td><td>2-0</td><td>2-6</td><td>2-8</td><td>NP</td><td>NP</td><td>NP</td></tr>
<tr><td>2×12</td><td>15-5</td><td>13-4</td><td>10-11</td><td>1-0</td><td>1-6</td><td>2-0</td><td>2-6</td><td>3-0</td><td>3-3</td><td>NP</td><td>NP</td></tr>
<tr><td rowspan="4">Redwood[f], Western Cedars[f], Ponderosa Pine[f], Red Pine[f]</td><td>2×6</td><td>7-4</td><td>6-8</td><td>5-10</td><td>1-0</td><td>1-4</td><td>NP</td><td>NP</td><td>NP</td><td>NP</td><td>NP</td><td>NP</td></tr>
<tr><td>2×8</td><td>9-8</td><td>8-10</td><td>7-4</td><td>1-0</td><td>1-6</td><td>1-11</td><td>NP</td><td>NP</td><td>NP</td><td>NP</td><td>NP</td></tr>
<tr><td>2×10</td><td>12-4</td><td>11-0</td><td>9-0</td><td>1-0</td><td>1-6</td><td>2-0</td><td>2-6</td><td>2-6</td><td>NP</td><td>NP</td><td>NP</td></tr>
<tr><td>2×12</td><td>14-9</td><td>12-9</td><td>10-5</td><td>1-0</td><td>1-6</td><td>2-0</td><td>2-6</td><td>3-0</td><td>3-0</td><td>NP</td><td>NP</td></tr>
</table>
For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 pound per square foot = 0.0479 kPa, 1 pound = 0.454 kg, NP = Not permitted.
a. Dead load = 10 psf dead load. Snow load not assumed to be concurrent with live load.
b. No. 2 grade, wet service factor included.
c. L/Δ = 360 at main span.
d. L/Δ = 180 at cantilever with 220-pound point load applied to end.
e. Includes incising factor.
f. Incising factor not included.
g. Interpolation permitted. Extrapolation not permitted.
</td><td></td><td></td><td></td></tr>
<tr><td></td><td>Exterior Decks</td><td>R507.9.1.2</td><td>R507.9.1.2</td><td></td><td>Repeal Existing Amendment</td><td></td><td>Proposal Needed. Same as Model Code Language</td></tr>
<tr><td></td><td>R507.9.1.2 Band joist details. Band joists supporting a ledger shall be a minimum 2-inch-nominal (51 mm), solid-sawn, spruce-pine-fir or better lumber or minimum 1-inch (25 mm) nominal engineered wood rim boards in accordance with Section R502.1.7. Band joists shall bear fully on the primary structure capable of supporting all required loads.
EXCEPTION: Decks not more than 30 inches above grade at any point may be unattached.</td><td></td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td></td><td>Exterior Decks</td><td>T R507.7.1.3(1)</td><td>T R507.7.1.3(1)</td><td></td><td>Keep Existing Amendment</td><td></td><td></td></tr>
<tr><td></td><td>
TABLE R507.9.1.3(1)
DECK LEDGER CONNECTION TO BAND JOIST
<table>
<tr><th rowspan="2">LOADc (psf)</th><th rowspan="2">JOIST SPANa (feet)</th><th colspan="3">ON-CENTER SPACING OF FASTENERSb (inches)</th></tr>
<tr><th>1/2-inch diameter lag screw with 1/2-inch maximum sheathingd,e</th><th>1/2-inch diameter bolt with 1/2-inch maximum sheathinge</th><th>1/2-inch diameter bolt with 1-inch maximum sheathingf</th></tr>
<tr><td rowspan="7">60 Live Load or 70 Ground Snow Load</td><td>6</td><td>22</td><td>36</td><td>35</td></tr>
<tr><td>8</td><td>16</td><td>31</td><td>26</td></tr>
<tr><td>10</td><td>13</td><td>25</td><td>21</td></tr>
<tr><td>12</td><td>11</td><td>20</td><td>17</td></tr>
<tr><td>14</td><td>9</td><td>17</td><td>15</td></tr>
<tr><td>16</td><td>8</td><td>15</td><td>13</td></tr>
<tr><td>18</td><td>7</td><td>13</td><td>11</td></tr>
</table>
For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 pound per square foot = 0.0479 kPa.
a. Interpolation permitted. Extrapolation is not permitted.
b. Ledgers shall be flashed in accordance with Section R703.4 to prevent water from contacting the house band joist.
c. Dead load = 10 psf. Snow load shall not be assumed to act concurrently with live load.
d. The tip of the lag screw shall fully extend beyond the inside face of the band joist.
e. Sheathing shall be wood structural panel or solid sawn lumber.
f. Sheathing shall be permitted to be wood structural panel, gypsum board, fiberboard, lumber or foam sheathing. Up to 1/2-inch thickness of stacked washers shall be permitted to substitute for up to 1/2 inch of allowable sheathing thickness where combined with wood structural panel or lumber sheathing.
</td><td></td><td></td><td></td></tr>
<tr><td></td><td>Exterior Decks</td><td>R507.9.2</td><td>R507.9.2</td><td></td><td>Keep Existing Amendment</td><td></td><td></td></tr>
<tr><td></td><td>R507.9.2 Deck lateral load connections. Lateral loads shall be transferred to the ground or to a structure capable of transmitting them to the ground. Where the lateral load connection is provided in accordance with Figure R507.9.2(1), hold-down tension devices shall be installed in not less than two locations per deck, within 24 inches of each end of the deck. Each device shall have an allowable stress design capacity of not less than 1500 pounds (6672 N). Where the lateral load connections are provided in accordance with Figure R507.9.2(2), the hold-down tension devices shall be installed in not less than four locations per deck, and each device shall have an allowable stress design capacity of not less than 750 pounds (3336 N).
EXCEPTION: Decks not more than 30 inches above grade at any point may be unattached</td><td></td><td></td><td></td><td></td><td></td><td></td></tr>
</table>

<table>
<tr><th>WAC</th><th>Title or Subject</th><th>2021 IRC #</th><th>2024 IRC #</th><th>Rationale</th><th>2024 Staff Recommendation</th><th>2024 TAG Member Recommendation</th><th>Other Comments</th></tr>
<tr><td></td><td>Exterior Decks</td><td>T R5070.9.1.3(2)</td><td>T R5070.9.1.3(2)</td><td></td><td>Keep Existing Amendment</td><td></td><td></td></tr>
<tr><td></td><td colspan="7">
TABLE R507.9.1.3(2)
PLACEMENT OF LAG SCREWS AND BOLTS IN DECK LEDGERS AND BAND JOISTS
<table>
<tr><th colspan="5">MINIMUM END AND EDGE DISTANCES AND SPACING BETWEEN ROWS</th></tr>
<tr><th></th><th>TOP EDGE</th><th>BOTTOM EDGE</th><th>ENDS</th><th>ROW SPACING</th></tr>
<tr><td>Ledger[a]</td><td>2 inches[d]</td><td>3/4 inch</td><td>2 inches[b]</td><td>1 5/8 inches[b]</td></tr>
<tr><td>Band joist[c]</td><td>3/4 inch</td><td>2 inches[e]</td><td>2 inches[b]</td><td>1 5/8 inches[b]</td></tr>
</table>
For SI: 1 inch = 25.4 mm.
a. Lag screws or bolts shall be staggered from the top to the bottom along the horizontal run of the deck ledger in accordance with Figure R507.9.1.3(1).
b. Maximum 5 inches.
c. For engineered rim joists, the manufacturer's recommendations shall govern.
d. The minimum distance from bottom row of lag screws or bolts to the top edge of the ledger shall be in accordance with Figure R507.9.1.3(1).
e. The 2 inches may be reduced to 3/4 inch when the band joist is directly supported by a mudsill, a header or by double top wall plates.
</td></tr>
<tr><td colspan="8">CHAPTER 6 WALL CONSTRUCTION (Part III Building Planning and Construction)</td></tr>
<tr><td></td><td>Wood wall framing</td><td>R602.1.1.1</td><td>NA</td><td></td><td>Keep Existing Amendment</td><td></td><td>2024 Target 602.1.1.1</td></tr>
<tr><td></td><td colspan="7">R602.1.1.1 Used sawn lumber. Used sawn lumber identified with a grade mark, in good condition and devoid of areas of decay shall be assumed to meet the requirements of Section 602.1.1 or shall comply with the following:
1. Dimensional lumber not identified with a grade mark that has a nominal thickness of 2 inches with a nominal width of 6 inches, or less, shall be assumed to be spruce-pine-fir stud grade and shall have structural properties assigned in accordance with current adopted standards. All other dimensional lumber shall be assumed to be hem-fir No. 2 grade and shall have structural properties assigned in accordance with current adopted standards.</td></tr>
<tr><td></td><td>Wood wall framing</td><td>R602.9</td><td>R602.9</td><td></td><td>Keep Existing Amendment</td><td></td><td></td></tr>
<tr><td></td><td colspan="7">R602.9 Cripple walls. Foundation cripple walls shall be framed of studs not smaller than the studding above. When ~~Where~~ exceeding 4 feet (1219 mm) in height, such walls shall be framed of studs having the size required for an additional story.
Cripple walls supporting bearing walls or exterior walls or interior braced wall panels as required in Sections R403.1.2 and R602.10.9.1 ~~Exterior cripple walls~~ with a stud height less than 14 inches (356 mm) shall be continuously sheathed on one side with wood structural panels fastened to both the top and bottom plates in accordance with Table R602.3(1), or the cripple walls shall be constructed of solid blocking.
All cripple walls shall be supported on continuous footings or foundations.
EXCEPTION: Footings supporting cripple walls used to support interior braced wall panels as required in Sections R403.1.2 and R602.10.9.1 shall be continuous for the required length of the cripple wall and constructed beyond the cripple wall for a minimum distance of 4 inches and a maximum distance of the footing thickness. The footings extension is not required at intersections with other footings.</td></tr>
<tr><td></td><td>Wood wall framing</td><td>R602.10.10</td><td>R602.10.10</td><td></td><td>Keep Existing Amendment</td><td></td><td></td></tr>
<tr><td></td><td colspan="7">R602.10.10 Cripple wall bracing. Cripple walls shall be constructed in accordance with Section R602.9 and braced in accordance with this section. Cripple walls supporting bearing walls or exterior walls or interior braced wall panels as required in Section R403.1.2 shall be braced with the length and method of bracing used for the wall above in accordance with Tables R602.10.3(1) and R602.10.3(3), and the applicable adjustment factors in Table R602.10.3(2) or R602.10.3(4), respectively, except ~~that~~ the length of the cripple wall bracing shall be multiplied by a factor of 1.15.

Where gypsum wall board is not used on the inside of the cripple wall bracing, the length adjustments for the elimination of the gypsum wallboard, or equivalent, shall be applied as directed in Tables R602.10.3(2) and R602.10.3(4) to the length of cripple wall bracing required. This adjustment shall be taken in addition to the 1.15 increase.</td></tr>
<tr><td></td><td>Exterior Windows and Doors</td><td>R609.3</td><td>R609.3</td><td></td><td>Keep Existing Amendment</td><td></td><td></td></tr>
<tr><td></td><td colspan="7">R609.3 Testing and labeling. Exterior windows and sliding doors shall be tested by an approved independent laboratory, and bear a label identifying manufacturer, performance characteristics and approved inspection agency to indicate compliance with AAMA/WDMA/CSA 101/I.S.2/A440. Exterior side-hinged doors shall be tested and labeled as conforming to AAMA/WDMA/CSA 101/I.S.2/A440 or AMD 100, or comply with Section R609.5.
EXCEPTIONS:
1. Decorative glazed openings.
2. Custom exterior windows and doors manufactured by a small business shall be exempt from all testing requirements in Section R609 provided they meet the applicable provisions of Chapter 24 of the International Building Code.</td></tr>
</table>

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
CHAPTER 7 WALL COVERING (Part III Building Planning and Construction)							
	Interior Covering	R702.5	R702.5		Keep Existing Amendment		
	R702.5 Other finishes. Wood veneer paneling and hardboard paneling shall be placed on wood or cold-formed steel framing spaced not more than 16 inches (406 mm) on center. Wood veneer and hardboard paneling less than 1/4-inch (6 mm) nominal thickness shall not have less than a 3/8-inch (10 mm) gypsum board or gypsum panel product backer. Wood veneer paneling not less than 1/4-inch (6 mm) nominal thickness shall conform to ANSI/HPVA HP-1. Hardboard paneling shall conform to CPA/ANSI A135.5. 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."						
	Exterior Covering	R703.1.1	R703.1.1		Modify Existing Amendment		Proposal Needed. Incorporate new Model Language
	R703.1.1 Water resistance. The exterior wall envelope shall be designed and constructed in a manner that prevents the accumulation of water within the wall assembly by providing a *water-*~~resistant~~ *resistive barrier* behind the exterior veneer ~~cladding~~ as required by Section R703.2 and a means of draining water that enters the assembly to the exterior. Protection against condensation in the exterior wall assembly shall be provided in accordance with Section R702.7 of this code. EXCEPTION: 1. A weather-resistant exterior wall envelope shall not be required over concrete or masonry walls designed in accordance with Chapter 6 and flashed according to Section R703.4 or R703.8. 2. Compliance with the requirements for a means of drainage, and the requirements of Sections R703.2 and R703.4, shall not be required for an exterior wall envelope that has been demonstrated to resist wind-driven rain through testing of the exterior wall envelope, including joints, penetrations and intersections with dissimilar materials, in accordance with ASTM E 331 under the following conditions: 2.1. Exterior wall envelope test assemblies shall include at least one opening, one control joint, one wall/eave interface and one wall sill. All tested openings and penetrations shall be representative of the intended end-use configuration. Exterior wall envelope test assemblies shall be at least 4 feet (1219 mm) by 8 feet (2438 mm) in size. 2.2. Exterior wall assemblies shall be tested at a minimum differential pressure of 6.24 pounds per square foot (299Pa). 2.3. Exterior wall envelope assemblies shall be subjected to a minimum test exposure duration of 2 hours. 3. 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. The exterior wall envelope design shall be considered to resist wind-driven rain where the results of testing indicate that water did not penetrate control joints in the exterior wall envelope; joints at the perimeter of opening~~s~~ penetration; or intersections of terminations with dissimilar materials.						
	Exterior Covering	R703.10.2	703.10.2		Keep Existing Amendment		
	R703.10.2 Lap siding. Fiber-cement lap siding having a maximum width of 12 inches (305 mm) shall comply with the requirements of ASTM C 1186, Type A, minimum Grade II or ISO 8336, Category A, minimum Class 2. Lap siding shall be lapped a minimum of 1 1/4 inches (32 mm) and lap siding shall be installed in accordance with the manufacturer's installation instructions or shall be designed to comply with Section R703.1. Lap siding courses shall be installed with the fastener heads exposed or concealed, in accordance with Table R703.3(1) or approved manufacturer's instructions.						
CHAPTER 8 ROOF-CEILING CONSTRUCTION (Part III Building Planning and Construction)							
	NA	NA	NA	NA	NA	NA	NA
	No Existing Amendments in Chapter 8						
CHAPTER 9 ROOF ASSEMBLIES (Part III Building Planning and Construction)							
	Weather Protection	R903.4.1	R903.4.1		Keep Existing Amendment		Verify Sections of UPC are accurate
	R903.4.1 Secondary (emergency overflow) drains or scuppers. Where roof drains are required, secondary emergency overflow drains or scuppers shall be provided where the roof perimeter construction extends above the roof in such a manner that water will be entrapped if the primary drains allow buildup for any reason. Overflow drains having the same size as the roof drains shall be installed with the inlet flow line located 2 inches (51 mm) above the low point of the roof, or overflow scuppers having three times the size of the roof drains and having a minimum opening height of 4 inches (102 mm) shall be installed in the adjacent parapet walls with the inlet flow located 2 inches (51 mm) above the low point of the roof served. The installation and sizing of overflow drains, leaders and conductors shall comply with Sections 1101 and 1103 of the state plumbing code ~~1106 and 1108 of the International Plumbing Code~~. Overflow drains shall discharge to an approved location.						
CHAPTER 10 CHIMNEYS AND FIREPLACES (Part III Building Planning and Construction)							
	Masonry Fireplaces	R1001.7.1			Keep Existing Amendment		

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
	R1001.7.1 Damper. Masonry fireplaces shall be equipped with a ferrous metal damper located at least ~~not less than~~ 8 inches (203 mm) above the top of the fireplace opening. Dampers shall be installed in the fireplace or the chimney venting the fireplace, and shall be operable from the room containing the fireplace. Fireplaces shall be provided with each of the following: 1. Tightly fitting flue dampers, operated by a readily accessible manual or approved automatic control. EXCEPTION: Fireplaces with gas logs shall be installed in accordance with the *International Mechanical Code* Section 901, except that the standards for liquefied petroleum gas installations shall be NFPA 58 (*Liquefied Petroleum Gas Code*) and NFPA 54 (*National Fuel Gas Code*). 2. An outside source for combustion air ducted into the firebox. The duct shall be at least 6 square inches (3870 mm2), and shall be provided with an operable outside air duct damper. 3. Site built fireplaces shall have tight-fitting glass or metal doors, or a flue draft induction fan or as approved for minimizing back-drafting. Factory built fireplaces shall use doors listed for the installed appliance.						
	Masonry Heaters	R1002.2	R1002.2		Keep Existing Amendment		
	R1002.2 Installation. *Masonry heaters* shall be installed in accordance with this section and shall be a masonry heater type approved by the department of ecology. Masonry heaters shall comply with one of the following: 1. *Masonry heaters* shall comply with the requirements of ASTM E 1602; or 2. *Masonry heaters* shall be *listed* and *labeled* in accordance with UL 1482 or CEN 15250 and installed in accordance with the manufacturer's installation instructions.						
	Masonry Heaters	R1002.2.1	NA		Keep Existing Amendment		2024 Target R1002.2.1
	R1002.2.1 Combustion air and doors. Masonry heaters shall be provided with both of the following: 1. Primary combustion air ducted from the outside of the structure to the appliance. 2. Tight-fitting ceramic glass or metal doors. Flue dampers, when provided, shall have an external control and when in the closed position shall have a net free area of not less than five percent of the flue cross sectional area.						
	Factory-Built Fireplaces	R1004.1.1	NA		Keep Existing Amendment		2024 Target R1004.1.1
	R1004.1.1 Emission standards for factory-built fireplaces. No new or used factory-built fireplace shall be installed in Washington state unless it is certified and labeled in accordance with procedures and criteria specified in ASTM E2558 Standard Test Method for determining particulate matter emission from fires in wood burning fireplaces. To certify an entire fireplace model line, the internal assembly shall be tested to determine its particulate matter emission performance. Retesting and recertifying is required if the design and construction specifications of the fireplace model line internal assembly change. Testing for certification shall be performed by a Washington state department of ecology (DOE) approved and U.S. Environmental Protection Agency (EPA) accredited laboratory.						
	Factory-Built Fireplaces	R1004.1.2	NA		Keep Existing Amendment		2024 Target R1004.1.2
	R1004.1.2 Emission standards for certified masonry and concrete fireplaces. Masonry and concrete fireplace model lines certified to Washington State Building Code Standard 31-2 prior to July 1, 2013, may retain certification provided the design and construction specifications of the fireplace model line internal assembly do not change.						
	Exterior Air Supply	R1006.4	R1006.4		Keep Existing Amendment		
	R1006.4 Passageway. This section is not adopted. ~~The *combustion air* passageway shall be not less than 6 square inches (3870 mm^2) and not more than 55 square inches (0.035 m^2), except that *combustion air* systems for *listed* fireplaces shall be constructed in accordance with the fireplace manufacturer's instructions.~~						
	Exterior Air Supply	R1006.6	NA		Keep Existing Amendment		2024 Target R1006.6

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
	R1006.6 Solid fuel-burning appliances and fireplaces. Solid fuel-burning appliances and fireplaces shall be provided with tight-fitting metal or ceramic glass doors, and: 1. A source from outside the structure of primary combustion air, connected to the appliance in accordance with manufacturer's specification. The air inlet shall originate at a point below the fire box. The duct shall be 4 inches (102 mm) or greater in diameter, not exceed 20 feet (6096 mm) in length, and be installed in accordance with manufacturer's instructions; or 2. The appliance and manufacturer's recommended combustion air supply, as an installed unit, shall be certified by an independent testing laboratory to have passed Test No. 11-Negative Pressure Test, Section 12.3, of ULC S627-M1984 "Space Heaters for Use with Solid Fuels," modified as follows: Negative pressure of 8 Pascal shall be initially established with the chamber sealed and the air supply, if not directly connected to the appliance, closed off. The air supply if not directly connected to the appliance, shall then be opened. The maximum allowable air exchange rate from chamber leakage and intentional air supply for the unit (appliance with combustion air supply) in the test chamber is 3.5 air changes per hour, or 28 cfm (cubic feet of air per minute), whichever is less. EXCEPTION: Combustion air may be supplied to the room in which the solid fuel burning appliance is located in lieu of direct ducting, provided that one of the following conditions is met: 1. The solid fuel-burning appliance is part of a central heating plant and installed in an unconditioned space in conformance with the International Mechanical Code; or 2. The solid fuel-burning appliance is installed in existing construction directly on a concrete floor or surrounded by masonry materials as in a fireplace. The combustion air terminus shall be located as close to the solid fuel-burning appliance as possible and shall be provided with a barometric damper or equivalent. The combustion air source shall be specified by the manufacturer or no less than 4 inches (102 mm) in diameter or the equivalent in area or as approved.					
CHAPTER 11 ENERGY EFFICIENCY (Part IV Energy Conservation)							
	NA	NA	NA	NA	NA	NA	NA
	This Chapter is not adopted per WAC 51-51-003. For Residential Energy Provisions, see WAC 51-11R Washington State Energy Code Residential Provisions.						
CHAPTER 12 MECHANICAL ADMINISTRATION (Part V Mechanical)							
	General	M1201.1	M1201.1		Keep Existing Amendment		
	M1201.1 Scope. The provisions of Chapters 12 through 24 shall regulate the design, installation, maintenance, *alteration* and inspection of mechanical systems that are permanently installed and utilized ~~used~~ to provide control of environmental conditions within buildings. These chapters shall also regulate those mechanical systems, system components, equipment and appliances specifically addressed in this code. EXCEPTION: The standards for liquefied petroleum gas installations shall be the 2011 Edition of NFPA 58 (*Liquefied Petroleum Gas Code*) and the 2012 Edition of ANSI Z223.1/NFPA 54 (*National Fuel Gas Code*).						
	General	M1201.3	NA		Keep Existing Amendment		2024 Target M1201.3
	M1201.3 Construction documents. The plans and specifications shall show in sufficient detail pertinent data and features of the materials, equipment and systems as herein governed including, but not limited to: Design criteria, size and type of apparatus and equipment, systems and equipment controls, provisions for combustion air to fuel-burning appliances, and other pertinent data to indicate conformance with the requirements of this code.						
	General	M1201.4	NA		Keep Existing Amendment		2024 Target M1201.4
	M1201.4 Testing. At the discretion of the building official, flow testing may be required to verify that the mechanical system(s) satisfies the requirements of this code. Specific testing required by other sections of this code shall be performed. Flow testing may be performed using flow hoods measuring at the intake or exhaust points of the system, in-line pitot tube, or pitot-traverse type measurement systems in the duct, short-term tracer gas measurements, or other means approved by the building official.						
CHAPTER 13 GENERAL MECHANICAL SYSTEMS REQUIREMENTS (Part V Mechanical)							
	General	M1301.2	M1301.2		Keep Existing Amendment		
	M1301.2 Identification. Each length of pipe and tubing and each pipe fitting utilized in a mechanical system shall bear the identification of the manufacturer. EXCEPTION: The manufacturer identification for fittings and pipe nipples shall be on each piece or shall be printed on the fitting or nipple packaging or provided documentation.						
	Appliance Installation	M1307.2	M1307.2		Modify Existing Amendment		Verify Section in UPC is Accurate. Incorporate Model Language removal. Reference "WASHINGTON" STATE PLUMBING CODE
	M1307.2 Anchorage of appliances. Appliances designed to be fixed in position shall be fastened or anchored in an approved manner. Thermal storage units shall be anchored or strapped to resist horizontal displacement caused by earthquake motion in accordance with ~~one of the following:~~ Section R301.2.2.10. ~~1. Anchorage and strapping shall be designed to resist a horizontal force equal to one-third of the operating weight of the water storage tank, acting in any horizontal direction.~~ ~~2. The anchorage strapping shall be in accordance with the appliance manufacturer's recommendations.~~ Seismic anchorage and strapping of water heaters shall be in accordance with Section 507.2 of the state plumbing code.						
CHAPTER 14 HEATING AND COOLING EQUIPMENT AND APPLIANCES (Part V Mechanical)							

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
	Evaporative Cooling Equipment	M1413.1	M1413.2		Keep Existing Amendment		Verify Section in UPC is Accurate. Reference "WASHINGTON" STATE PLUMBING CODE
	M1413.1 General. Evaporative *cooling equipment* and *appliances* shall comply with UL 1995 or UL/CSA/ANCE 60335-2-40 and shall be installed: 1. In accordance with the manufacturer's instructions. 2. On level platforms in accordance with M1305.1.3.1. 3. So that openings in exterior walls are flashed in accordance with Section R703.4. 4. So as to protect the potable water supply in accordance with Section 603 of the state plumbing code ~~P2902~~. 5. So that air intake opening locations are in accordance with Section R303.5.1.						
	CHAPTER 15 EXHAUST SYSTEMS (Part V Mechanical)						
	Domestic Cooking Exhaust Equipment	M1503.2.1			Keep Existing Amendment		
	M1503.2.1 Open-top broiler exhaust. Domestic open-top broiler units shall be provided with a metal exhaust hood, having a minimum thickness of ~~not less than~~ 0.0157 inch (0.3950 mm) (No. 28 gage). Such hoods shall be installed with a clearance of not less than 1/4 inch (6.4 mm) between the hood and the underside of combustible material or ~~and~~ cabinets. A clearance of not less than 24 inches (610 mm) shall be maintained between the cooking surface and the combustible material or ~~and~~ cabinets. The hood width shall ~~be~~ not be less than the width of the broiler unit and shall extend over the entire unit. EXCEPTIONS: 1. Broiler units that incorporate an integral exhaust system, and that are listed and labeled for use without an exhaust hood, shall not be required to have an exhaust hood. 2. Broiler units permanently installed outside the building envelope and having the cooking surface at least 5 feet below a 1-hour fire resistance rated ceiling shall not be required to have an exhaust hood.						
	Domestic Cooking Exhaust Equipment	M1503.3	M1503.3		Keep Existing Amendment		
	M1503.3 Exhaust discharge. Domestic cooking exhaust equipment shall discharge to the outdoors through a duct. The duct shall have a smooth interior surface, shall be airtight, shall be equipped with a backdraft damper and shall be independent of all other exhaust systems. Ducts serving domestic cooking exhaust equipment shall not terminate in an attic or crawl space or areas inside the building. EXCEPTION: Where installed in accordance with the manufacturer's instructions, and where continuous local exhaust is provided in an *enclosed kitchen* in accordance with Table M1505.4.4.1 ~~and where mechanical or natural *ventilation* is otherwise provided~~, listed and labeled ductless range hoods shall not be required to discharge to the outdoors.						
	Domestic Cooking Exhaust Equipment	M1503.5	M1503.5		Modify Existing Amendment		Proposal Needed. Incorporate Model language Changes.
	M1503.5 Kitchen exhaust rates. Where domestic kitchen cooking appliances are provided ~~equipped~~ with ~~ducted range hoods or down-draft~~ exhaust equipment ~~systems~~, ~~the fans shall be sized in accordance with Section M1505.4.4.1~~ the exhaust rate shall equal or exceed the airflow required in Table m1505.5 at one or more speed settings.						
	Exhaust Ducts and Exhaust Openings	M1504.3	M1504.3		Modify Existing Amendment		Proposal Needed. Incorporate new model language.
	M1504.3 Exhaust openings. Air exhaust openings shall terminate as follows: 1. Not less than 3 feet (914 mm) from property lines. 2. Not less than 3 feet (914 mm) from gravity air intake openings, operable windows and doors except where the exhaust opening is located not less than 1 foot (305 mm) above the gravity air intake opening, operable windows and doors. 3. Not less than 10 feet (3048 mm) from mechanical air intake openings except where either of the following apply: ~~except where the exhaust opening is located not less than 3 feet (914 mm) above the air intake opening. Openings shall comply with Sections R303.5.2 and R303.6.~~ 3.1. The exhaust opening is located not less than 3 feet (914 mm) above the air intake opening. 3.2. The exhaust opening is part of a factory-built intake/exhaust combination termination fitting installed in accordance with the fan manufacturer's instructions, and the exhaust air is drawn from a living space. 4. Openings shall comply In accordance with Sections R303.5.2 and R303.6.						
	Mechanical Ventilation	M1505.1	M1505.1		Keep Existing Amendment		
	M1505.1 General. Where local exhaust or whole-house mechanical *ventilation* is provided, the ventilation system shall be designed in accordance with this section. EXCEPTION: Alternate balanced whole-house *ventilation* systems and local exhaust systems designed and commissioned in accordance with ASHRAE 62.2 are permitted.						
	Mechanical Ventilation	M1505.4	M1505.4		Keep Existing Amendment		

Commented [DC3]: New model language here is the same as 2021 amendment language.

Commented [DC4]: New model language here is the same as 2021 amendment language.

Commented [DC5]: New model language here is the same as 2021 amendment language.

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
	M1505.4 Whole-house mechanical ventilation system. Each dwelling unit shall be equipped with a ventilation system. The whole-house mechanical ventilation systems shall be designed in accordance with Sections M1505.4.1 through M1505.4.4.						
	Mechanical Ventilation	M1505.4.1	M1505.4.1		Keep Existing Amendment		
	M1505.4.1 System design. The whole-house ventilation system shall consist of one or more supply ~~or exhaust~~ fans, ~~or a combination of such, and~~ one or more exhaust fans, or an ERV/HRV with integral fans, associated ducts and controls. Whole-house mechanical ventilation system supply and exhaust fans shall meet the requirements of Sections M1505.4.1.2, M1505.4.1.3, M1505.4.1.4, and M1505.4.1.5. Local exhaust ~~or supply~~ fans are permitted to serve as ~~such a system~~ part of the whole-house ventilation system when provided with the proper controls in accordance with Section M1505.4.2. The systems shall be designed and installed to exhaust and/or supply the minimum outdoor airflow rates required by Section M1505.4.3 as modified by whole-house ventilation system coefficients in Section M1505.4.3.1 where applicable. The whole-house ventilation system shall operate continuously at the minimum ventilation rate required by Section M1505.4.2 unless configured with intermittent off controls in accordance with Section M1505.4.3.2. ~~Outdoor air ducts connected to the return side of an air handler shall be considered as providing supply ventilation.~~						
	Mechanical Ventilation	M1505.4.1.1	NA		Keep Existing Amendment		2024 Target M1505.4.1.1
	M1505.4.1.1 Whole-house system component requirements. Whole-house ventilation supply and exhaust fans specified in this section shall have a minimum efficacy as prescribed in the *Washington State Energy Code*. Design and installation of the system or equipment shall be carried out in accordance with manufacturers' installation instructions. Whole-house ventilation fans shall be rated for sound at no less than the minimum airflow rate required by Section M1505.4.3.1. Ventilation fans shall be rated for sound at a maximum of 1.0 sone. This sound rating shall be at a minimum of 0.1 in. w.c. (25 Pa) static pressure in accordance with HVI procedures specified in Sections M1505.4.1.2 and M1505.4.1.3. EXCEPTION: HVAC air handlers, ERV/HRV units, and remote mounted fans need not meet the sound requirements. To be considered for this exception, a remote mounted fan must be mounted outside the habitable spaces, bathrooms, toilets, and hallways, and there must be at least 4 feet (1.3 m) of ductwork between the fan and the intake grille. The whole-house supply fan shall provide ducted outdoor ventilation air to each habitable space within the residential unit. EXCEPTION: Interior joining spaces provided with a 30 cfm whole-house transfer fan or a permanent opening with an area of not less than 8 percent of the floor area of the interior adjoining space but not less than 25 square feet do not require ducted outdoor ventilation air to be supplied directly to the space. Whole-house transfer fans shall meet the sone rating of Section M1505.4.1.1 and shall have whole-house ventilation controls that comply with Section M1505.4.2.						
	Mechanical Ventilation	M1505.4.1.2	NA		Keep Existing Amendment		2024 Target M1505.4.1.2
	M1505.4.1.2 Exhaust fans. Exhaust fans required shall be ducted directly to the outside. Exhaust air outlets shall be designed to limit the pressure difference to the outside and equipped with backdraft dampers or motorized dampers in accordance with the *Washington State Energy Code*. Exhaust fans shall be tested and rated in accordance with the airflow and sound rating procedures of the Home Ventilating Institute (HVI 915, HVI Loudness Testing and Rating Procedure, HVI 916, HVI Airflow Test Procedure, and HVI 920, HVI Product Performance Certification Procedure, as applicable). Exhaust fans required in this section may be used to provide local ventilation. Bathroom exhaust fans that are designed for intermittent exhaust airflow rates higher than the continuous exhaust airflow rates in Table M1505.4.3.2 shall be provided with occupancy sensors or humidity sensors to automatically override the fan to the high speed airflow rate. The exhaust fans shall be tested and the testing results shall be submitted and posted in accordance with Section M1505.4.1.6.						
	Mechanical Ventilation	M1505.4.1.3	NA		Keep Existing Amendment		2024 Target M1505.4.1.3
	M1505.4.1.3 Supply fans. Supply fans used in meeting the requirements of this section shall supply outdoor air from intake openings in accordance with the *International Mechanical Code* Sections 401.4 and 401.5. When designed for intermittent off operation, supply systems shall be equipped with motorized dampers in accordance with the *Washington State Energy Code*. Supply fans shall be tested and rated in accordance with the airflow and sound rating procedures of the Home Ventilating Institute (HVI 915, HVI Loudness Testing and Rating Procedure, HVI 916, HVI Airflow Test Procedure, and HVI 920, HVI Product Performance Certification Procedure, as applicable). Where outdoor air is provided by supply fan systems the outdoor air shall be filtered. The filter shall be accessible for regular maintenance and replacement. The filter shall have a Minimum Efficiency Rating Value (MERV) of at least 8.						
	Mechanical Ventilation	M1505.4.1.4	NA		Keep Existing Amendment		2024 Target M1505.4.1.4
	M1505.4.1.4 Balanced whole-house ventilation system. A balanced whole-house ventilation system shall include both supply and exhaust fans. The supply and exhaust fans shall have airflow that is within 10 percent of each other. The tested and balanced total mechanical exhaust airflow rate is within 10 percent or 5 cfm, whichever is greater, of the total mechanical supply airflow rate. The flow rate test results shall be submitted and posted in accordance with Section M1505.4.1.7. The exhaust fan shall meet the requirements of Section M1505.4.1.2. The supply fan shall meet the requirements of Section M1505.4.1.3. Balanced ventilation systems with both supply and exhaust fans in a packaged product, such as an ERV/HRV shall meet the requirements of HVI 920, as applicable. Local exhaust systems that are not a component of the whole-house mechanical ventilation system are exempt from the balanced airflow calculation.						
	Mechanical Ventilation	M1505.4.1.5	NA		Keep Existing Amendment		2024 Target M1505.4.1.5

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
	M1505.4.1.5 Furnace integrated supply. Systems using space heating and/or cooling air handler fans for outdoor air supply distribution are not permitted. EXCEPTION: Air handler fans shall have multispeed or variable speed supply airflow control capability with a low speed operation not greater than 25 percent of the rated supply airflow capacity during ventilation only operation. Outdoor air intake openings must meet the provisions of Sections R303.5 and R303.6 and must include a motorized damper that is activated by the whole-house ventilation system controller. The motorized damper must be controlled to maintain the outdoor airflow intake airflow within 10 percent of the whole-house mechanical exhaust airflow rate. The flow rate for the outdoor air intake must be tested and verified at the minimum ventilation fan speed and the maximum heating or cooling fan speed. The results of the test shall be submitted and posted in accordance with Section M1505.4.1.7.						
	Mechanical Ventilation	M1505.4.1.6	NA		Keep Existing Amendment		2024 Target M1505.4.1.6
	M1505.4.1.6 Testing. Whole-house mechanical ventilation systems shall be tested, balanced and verified to provide a flow rate not less than the minimum required by Sections M1505.4.3 and M1505.4.4.1. Testing shall be performed according to the ventilation equipment manufacturer's instructions, or by using a flow hood, flow grid, or other airflow measuring device at the mechanical ventilation fan's inlet terminals, outlet terminals or grilles or in the connected ventilation ducts. Where required by the building official, testing shall be conducted by an approved third party. A written report of the results of the test shall be signed by the party conducting the test and provided to the building official and be posted in the dwelling unit per Section M1505.4.1.7.						
	Mechanical Ventilation	M1505.4.1.7	NA		Keep Existing Amendment		2024 Target M1505.4.1.7
	M1505.4.1.7 Certificate. A permanent certificate shall be completed by the mechanical contractor, test and balance contractor or other approved party and posted on a wall in the space where the furnace is located, a utility room, or an approved location inside the building. When located on an electrical panel, the certificate shall not cover or obstruct the visibility of the circuit directory label, service disconnect label, or other required labels. The certificate shall list the flow rate determined from the delivered airflow of the whole-house mechanical ventilation system as installed and the type of mechanical whole-house ventilation system used to comply with Section M1505.4.3.1.						
	Mechanical Ventilation	M1505.4.2	M1505.4.2		Keep Existing Amendment		
	M1505.4.2 System controls. The whole-house mechanical ventilation system shall be provided with controls that ~~enable manual override. Controls shall include text or a symbol indicating their function.~~ comply with the following: 1. The whole-house ventilation system shall be controlled with manual switches, timers or other means that provide for automatic operation of the ventilation system that are readily accessible by the occupant; 2. Whole-house mechanical ventilation system shall be provided with controls that enable manual override off of the system by the occupant during periods of poor outdoor air quality. Controls shall include permanent text or a symbol indicating their function. Recommended control permanent labeling to include text similar to the following: "Leave on unless outdoor air quality is very poor." Manual controls shall be readily accessible by the occupant; 3. Whole-house ventilation systems shall be configured to operate continuously except where intermittent off controls and sizing are provided in accordance with Section M1505.4.3.2.						
	Mechanical Ventilation	M1505.4.3	M1505.4.3		Keep Existing Amendment		
	M1505.4.3 Mechanical ventilation rate. The whole-house mechanical ventilation system shall provide outdoor air at a continuous rate as determined in accordance with Table M1505.4.3(1) or Equation 15-1. **Equation 15-1** Ventilation rate in cubic feet per minute = (0.01 × total square foot area of house) + [7.5 × (number of bedrooms + 1)] but not less than 30 cfm for each dwelling unit EXCEPTIONS: ~~1. Ventilation rate credit. The minimum mechanical ventilation rate determined in accordance with Table M1505.4.3(1) or Equation 15-1 shall be reduced by 30 percent, provided that both of the following conditions apply:~~ ~~1.1. A ducted system supplies ventilation air directly to each bedroom and to one or more of the following rooms:~~ ~~1.1.1. Living Room~~ ~~1.1.2. Dining Room~~ ~~1.1.3. Kitchen~~ ~~1.2. The whole-house ventilation system is a balanced ventilation system.~~ ~~2. Programmed intermittent operation. The whole-house mechanical ventilation system is permitted to operate intermiottently where the system has controls that enable operation for not less than 25 percent of each 4-hour segment and the ventilation rate prescribed in Table M1505.4.3(1), by Equation 15-1 or by Exception 1 is multiplied by the factor determined in accordance with Table M1505.4.3(2)~~						
	Mechanical Ventilation	T M1505.4.3(1)	T M1505.4.3(1)		Keep Existing Amendment		

<table>
<tr><th>WAC</th><th>Title or Subject</th><th>2021 IRC #</th><th>2024 IRC #</th><th>Rationale</th><th>2024 Staff Recommendation</th><th>2024 TAG Member Recommendation</th><th>Other Comments</th></tr>
<tr><td></td><td colspan="7">
Table M1505.4.3(1)
~~Continuous~~ Whole-House Mechanical Ventilation ~~System~~ Airflow Rate ~~Requirements~~
<table>
<tr><td></td><td colspan="5">~~Number of Bedrooms~~</td><td></td><td colspan="5">~~Number of Bedrooms~~</td></tr>
<tr><td>~~Dwelling Unit Floor Area (square feet)~~</td><td>~~0 - 1~~</td><td>~~2~~</td><td>~~3~~</td><td>~~4~~</td><td>~~5 or more~~</td><td>~~Dwelling Unit Floor Area (square feet)~~</td><td>~~0-1~~</td><td>~~2-3~~</td><td>~~4-5~~</td><td>~~6-7~~</td><td>~~>7~~</td></tr>
<tr><td></td><td colspan="5">~~Airflow in cfm~~</td><td></td><td colspan="5">~~Airflow in cfm~~</td></tr>
<tr><td>< 500</td><td>30</td><td>30</td><td>35</td><td>45</td><td>50</td><td>~~< 1,500~~</td><td>~~30~~</td><td>~~45~~</td><td>~~60~~</td><td>~~75~~</td><td>~~90~~</td></tr>
<tr><td>501 - 1,000</td><td>30</td><td>35</td><td>40</td><td>50</td><td>55</td><td>~~1,501-3,000~~</td><td>~~45~~</td><td>~~60~~</td><td>~~75~~</td><td>~~90~~</td><td>~~105~~</td></tr>
<tr><td>1,001 - 1,500</td><td>30</td><td>40</td><td>45</td><td>55</td><td>60</td><td>~~3,001-4,500~~</td><td>~~60~~</td><td>~~75~~</td><td>~~90~~</td><td>~~105~~</td><td>~~120~~</td></tr>
<tr><td>1,501 - 2,000</td><td>35</td><td>45</td><td>50</td><td>60</td><td>65</td><td>~~4,501-6,000~~</td><td>~~75~~</td><td>~~90~~</td><td>~~105~~</td><td>~~120~~</td><td>~~135~~</td></tr>
<tr><td>2,001 - 2,500</td><td>40</td><td>50</td><td>55</td><td>65</td><td>70</td><td>~~6,001-7,500~~</td><td>~~90~~</td><td>~~105~~</td><td>~~120~~</td><td>~~135~~</td><td>~~150~~</td></tr>
<tr><td>2,501 - 3,000</td><td>45</td><td>55</td><td>60</td><td>70</td><td>75</td><td>~~>7,500~~</td><td>~~105~~</td><td>~~120~~</td><td>~~135~~</td><td>~~150~~</td><td>~~165~~</td></tr>
<tr><td>3,001 - 3,500</td><td>50</td><td>60</td><td>65</td><td>75</td><td>80</td><td colspan="6">~~For SI: 1 square foot = 0.0929 m², 1 cubic foot per minute = 0.0004719 m³/s~~</td></tr>
<tr><td>3,501 - 4,000</td><td>55</td><td>65</td><td>70</td><td>80</td><td>85</td><td colspan="6"></td></tr>
<tr><td>4,001 - 4,500</td><td>60</td><td>70</td><td>75</td><td>85</td><td>90</td><td colspan="6"></td></tr>
<tr><td>4,501 - 5,000</td><td>65</td><td>75</td><td>80</td><td>90</td><td>95</td><td colspan="6"></td></tr>
</table>
</td></tr>
<tr><td></td><td>Mechanical Ventilation</td><td>M1505.4.3.1</td><td>NA</td><td></td><td>Keep Existing Amendment</td><td></td><td>2024 Target M1505.4.3.1</td></tr>
<tr><td></td><td colspan="7">
M1505.4.3.1 Ventilation quality adjustment. The minimum whole-house ventilation rate from Section 1505.4.3 shall be adjusted by the system coefficient in Table M1505.4.3(2) based on the system type not meeting the definition of a balanced whole-house ventilation system and/or not meeting the definition of a distributed whole-house ventilation system.
$Q_v = Q_r * C_{system}$
(Equation 15-2)
Where:
Q_v = Quality-adjusted ventilation airflow rate in cubic feet per minute (cfm).
Q_r = Ventilation airflow rate, cubic feet per minute (cfm) from Equation 15-1 or Table M1505.4.3(1).
C_{system} = System coefficient from Table 1505.4.3(2).
</td></tr>
<tr><td></td><td>Mechanical Ventilation</td><td>T M1505.4.3(2)</td><td>T M1505.4.3(2)</td><td></td><td>Keep Existing Amendment</td><td></td><td></td></tr>
<tr><td></td><td colspan="7">
Table M1505.4.3(2)
System Coefficient (C_{system}) ~~Intermittent Whole-House Mechanical Ventilation Rate Factors~~ [a,b]
<table>
<tr><td>~~System Type~~</td><td>~~Distributed~~</td><td>~~Not Distributed~~</td><td>~~Run-Time Percentage In Each 4-Hour Segment~~</td><td>~~25%~~</td><td>~~33%~~</td><td>~~50%~~</td><td>~~66%~~</td><td>~~75%~~</td><td>~~100%~~</td></tr>
<tr><td>Balanced</td><td>1.0</td><td>1.25</td><td>~~Factor [a]~~</td><td>~~4~~</td><td>~~3~~</td><td>~~2~~</td><td>~~1.5~~</td><td>~~1.3~~</td><td>~~1.0~~</td></tr>
<tr><td>Not balanced</td><td>1.25</td><td>1.5</td><td colspan="6"></td></tr>
</table>
</td></tr>
<tr><td></td><td>Mechanical Ventilation</td><td>M15005.4.3.2</td><td>NA</td><td></td><td>Keep Existing Amendment</td><td></td><td>2024 Target M1505.4.3.2</td></tr>
<tr><td></td><td colspan="7">M1505.4.3.2 Intermittent off operation. Whole-house mechanical ventilation systems shall be provided with advanced controls that are configured to operate the system with intermittent off operation shall operate for a least two hours in each four-hour segment. The whole-house ventilation airflow rate determined in accordance with Section M1505.4.3 as corrected by Section M1505.4.3.1 is multiplied by the factor determined in accordance with Table M1505.4.3.2.</td></tr>
<tr><td></td><td>Mechanical Ventilation</td><td>T M1505.4.3.2</td><td>NA</td><td></td><td>Keep Existing Amendment</td><td></td><td>2024 Target T M1505.4.3.2</td></tr>
</table>

<table>
<tr><th>WAC</th><th>Title or Subject</th><th>2021 IRC #</th><th>2024 IRC #</th><th>Rationale</th><th>2024 Staff Recommendation</th><th>2024 TAG Member Recommendation</th><th>Other Comments</th></tr>
<tr><td></td><td colspan="7">Table M1505.4.3.2
Intermittent Off Whole-House Mechanical Ventilation Rate Factors[a,b]
<table><tr><td>Run-time % in Each 4-hour Segment</td><td>50%</td><td>66%</td><td>75%</td><td>100%</td></tr><tr><td>Factor[a]</td><td>2</td><td>1.5</td><td>1.3</td><td>1.0</td></tr></table>a. For ventilation system run-time values between those given, the factors are permitted to be determined by interpolation.
b. Extrapolation beyond the table is prohibited.</td></tr>
<tr><td></td><td>Mechanical Ventilation</td><td>M1505.4.4</td><td>M1505.5</td><td></td><td>Modify Existing Amendment</td><td></td><td>Proposal Needed to incorporate New Model Code language and renumber Target M1505.5</td></tr>
<tr><td></td><td colspan="7">M1505.4.4 Local exhaust rates. Local exhaust systems shall be designed to have the capacity to exhaust the minimum airflow rate determined in accordance with Table M1505.4.4.1. at one or more speed settings. The listed exhaust airflow rate for a bathroom or toilet room exhaust fan shall equal or exceed the exhaust airflow rate in Table M1505.5 at a minimum static pressure of 0.25 inch wc at one or more speed settings in accordance with Section M1505.3. If the local exhaust fan is included in the whole-house ventilation system, in accordance with Section 1505.4.1, then the exhaust fan shall be controlled to operate as specified in Section M1505.4.2.</td></tr>
<tr><td></td><td>Mechanical Ventilation</td><td>M1505.4.4.1</td><td>NA</td><td></td><td>Keep Existing Amendment</td><td></td><td>2024 Target M1505.5.1</td></tr>
<tr><td></td><td colspan="7">M1505.4.4.1 Local exhaust. Bathrooms, toilet rooms, and kitchens shall include a local exhaust system. Such local exhaust systems shall have the capacity to exhaust the minimum airflow rate in accordance with Table M1505.4.4.1. Fans required by this section shall be provided with controls that enable manual override or automatic occupancy sensor, humidity sensor, timer controls, or pollutant sensor controls. An "on/off" switch shall meet this requirement for manual controls. Manual fan controls shall be readily accessible in the room served by the fan.</td></tr>
<tr><td></td><td>Mechanical Ventilation</td><td>T M1505.4.4.1</td><td>NA</td><td></td><td>Keep Existing Amendment</td><td></td><td>2024 Target T M1505.5.1</td></tr>
<tr><td></td><td colspan="7">Table M1505.4.4.1
Minimum Local Exhaust Rates
<table><tr><th rowspan="2">Area to Be Exhausted</th><th colspan="2">Exhaust Rates</th></tr><tr><td>Intermittent</td><td>Continuous</td></tr><tr><td>Open Kitchens</td><td>In accordance with Section M1505.4.4.3</td><td>Not Permitted</td></tr><tr><td>Enclosed Kitchens</td><td>In accordance with Section M1505.4.4.3</td><td>5 ACH based on kitchen volume</td></tr><tr><td>Bathrooms - Toilet rooms</td><td>50 cfm</td><td>20 cfm</td></tr></table><table><tr><th>~~Area to Be Exhausted~~</th><th>~~Exhaust Rates~~</th></tr><tr><td>~~Kitchens~~</td><td>~~100 cfm intermittent or 25 cfm continuous~~</td></tr><tr><td>~~Bathrooms- Toilet Rooms~~</td><td>~~Mechanical exhaust capacity of 50 cfm intermittent or 20 cfm continuous~~</td></tr></table>~~For SI: 1 cubic foot per minute = 0.0004719 m3/s, 1 inch water column = 0.2488 kPa.~~
~~a. The listed exhaust rate for bathrooms-toilet rooms shall equal or exceed the exhaust rate at a minimum static pressure of 0.25 inch water column in accordance with Section M1505.3~~</td></tr>
<tr><td></td><td>Mechanical Ventilation</td><td>M1505.4.4.2</td><td>NA</td><td></td><td>Keep Existing Amendment</td><td></td><td>2024 Target M1505.5.2</td></tr>
</table>

<table>
<tr><th>WAC</th><th>Title or Subject</th><th>2021 IRC #</th><th>2024 IRC #</th><th>Rationale</th><th>2024 Staff Recommendation</th><th>2024 TAG Member Recommendation</th><th>Other Comments</th></tr>
<tr><td></td><td colspan="7">M1505.4.4.2 Local exhaust fans. Exhaust fans shall meet the following criteria:
1. Exhaust fans shall be tested and rated in accordance with the airflow and sound rating procedures of the Home Ventilating Institute (HVI 915, HVI Loudness Testing and Rating Procedure, HVI 916, HVI Airflow Test Procedure, and HVI 920, HVI Product Performance Certification Procedure).
2. Fan airflow rating and duct system shall be designed and installed to deliver at least the exhaust airflow required by Table M1505.4.4.1. The airflows required refer to the delivered airflow of the system as installed and tested using a flow hood, flow grid, or other airflow measurement device. Local exhaust systems shall be tested, balanced, and verified to provide a flow rate not less than the minimum required by this section.
3. Design and installation of the system or equipment shall be carried out in accordance with manufacturers' installation instructions.
4. Intermittent local exhaust systems serving kitchens shall be rated for sound at a maximum of 3 sones at one or more airflow settings not less than 100 cfm at a static pressure not less than that determined at working speed as specified in HVI 916 Section 7.2.
5. Continuous local exhaust systems serving kitchens shall be rated for sound at a maximum of 1 sone at one or more airflow settings not less than 100 cfm at a static pressure not less than that determined at working speed as specified in HVI 916 Section 7.2.
EXCEPTIONS:
1. The installed airflow is not required to be field-verified where an exhaust airflow rating at a pressure of 0.25 in. w.g. is used, provided the duct sizing meets the prescriptive requirements of Table M1505.4.4.2.
2. Remote mounted fans need not meet sound requirements. To be considered for this exception, a remote mounted fan shall be mounted outside the kitchen, and there shall be at least 4 feet (1 m) of ductwork between the fan and the intake grille.</td></tr>
<tr><td></td><td>Mechanical Ventilation</td><td>T M1505.4.4.2</td><td>NA</td><td></td><td>Keep Existing Amendment</td><td></td><td>2024 Target T M1505.5.2</td></tr>
<tr><td></td><td colspan="7">Table M1505.4.4.2
Prescriptive Exhaust Duct Sizing
<table>
<tr><th>Fan Tested cfm at 0.25 inches w.g.</th><th>Minimum Flex Diameter</th><th>Maximum Length in Feet</th><th>Minimum Smooth Diameter</th><th>Maximum Length in Feet</th><th>Maximum Elbows[a]</th></tr>
<tr><td>50</td><td>4 inches</td><td>25</td><td>4 inches</td><td>70</td><td>3</td></tr>
<tr><td>50</td><td>5 inches</td><td>90</td><td>5 inches</td><td>100</td><td>3</td></tr>
<tr><td>50</td><td>6 inches</td><td>No Limit</td><td>6 inches</td><td>No Limit</td><td>3</td></tr>
<tr><td>80</td><td>4 inches[b]</td><td>NA</td><td>4 inches</td><td>20</td><td>3</td></tr>
<tr><td>80</td><td>5 inches</td><td>15</td><td>5 inches</td><td>100</td><td>3</td></tr>
<tr><td>80</td><td>6 inches</td><td>90</td><td>6 inches</td><td>No Limit</td><td>3</td></tr>
<tr><td>100</td><td>5 inches[b]</td><td>NA</td><td>5 inches</td><td>50</td><td>3</td></tr>
<tr><td>100</td><td>6 inches</td><td>45</td><td>6 inches</td><td>No Limit</td><td>3</td></tr>
<tr><td>125</td><td>6 inches</td><td>15</td><td>6 inches</td><td>No Limit</td><td>3</td></tr>
<tr><td>125</td><td>7 inches</td><td>70</td><td>7 inches</td><td>No Limit</td><td>3</td></tr>
</table>
a. For each additional elbow, subtract 10 feet from length.
b. Flex ducts of this diameter are not permitted with fans of this size.</td></tr>
<tr><td></td><td>Mechanical Ventilation</td><td>M1505.4.4.3</td><td>NA</td><td></td><td>Keep Existing Amendment</td><td></td><td>2024 Target M1505.5.3</td></tr>
<tr><td></td><td colspan="7">M1505.4.4.3 Local intermittent kitchen exhaust system. Kitchen range hoods for domestic cooking appliances shall meet or exceed either the minimum airflow or the minimum capture efficiency in accordance with Table M1505.4.4.3. Capture efficiency ratings shall be determined in accordance with ASTM E3087.
EXCEPTION: Other intermittent kitchen exhaust fans, including downdraft, shall meet or exceed 300 cfm airflow.</td></tr>
<tr><td></td><td>Mechanical Ventilation</td><td>T M1505.4.4.3</td><td>NA</td><td></td><td>Keep Existing Amendment</td><td></td><td>2024 Target T M1505.5.3</td></tr>
<tr><td></td><td colspan="7">Table M1505.4.4.3
Kitchen Range Hood Airflow Rates (cfm) and ASTM E3087 Capture Efficiency (CE) Ratings According to Kitchen Range Fuel Type
<table>
<tr><th>Hood Over Electric Range</th><th>Hood Over Combustion Range</th></tr>
<tr><td>65% CE or 160 cfm</td><td>80% CE or 250 cfm</td></tr>
</table></td></tr>
<tr><td></td><td>Mechanical Ventilation</td><td>M1505.4.4.3.1</td><td>NA</td><td></td><td>Keep Existing Amendment</td><td></td><td>2024 Target M1505.5.3.1</td></tr>
</table>

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
	M1505.4.4.3.1 Field verification and diagnostic testing for local intermittent kitchen exhaust system. The local exhaust system for kitchens shall be installed to comply with local mechanical exhaust requirements specified in Section M1505.4.4.3 and shall be field verified in accordance with the procedures below to confirm the model is rated by HVI or AHAM to comply with the following requirements: 1. Local intermittent exhaust systems for kitchens shall be tested and verified to provide a minimum airflow rate or capture efficiency required by Table M1505.4.4.3. Testing shall include verification of the maximum sound rating as specified in Section M1505.4.4.3.2. Testing for the intermittent kitchen exhaust systems shall occur with the whole-house ventilation system operating and with all dwelling unit or sleeping unit entry doors closed. Testing for exhaust systems that require makeup air in accordance with Section M1503.6 shall include verifying that the mechanical makeup air system is controlled to automatically start. Testing for exhaust systems that do not require mechanical makeup air in accordance with Section M1503.6 and that are exempt from pressurize equalization shall be tested with operable openings manually opened unless design exhaust airflow can be achieved with all operable openings closed. Testing shall be performed according to the ventilation equipment manufacturer's instructions, or by using a flow hood, flow grid, or other airflow measuring device. Where required by the building official, testing shall be conducted by an approved third party. A written report of the results of the test shall be signed by the party conducting the test and provided to the building official. EXCEPTION: The installed airflow is not required to be field-verified where an exhaust airflow rating at a pressure of 0.25 in. w.g. is used, provided the duct sizing meets the prescriptive requirements of Table M1505.4.4.2. 2. The verification shall utilize certified rating data from the HVI Publication 911, AHAM-Certified Range Hood Directory, or another directory of certified product performance ratings approved by the code official for determining compliance. The verification procedure shall consist of visual inspection of the local intermittent kitchen exhaust system to verify and record the following information: 2.1. The manufacturer name and model number. 2.2. The model is listed in the HVI, AHAM, or equivalent directory. 2.3. The rated airflow value listed in the HVI, AHAM, or equivalent directory. 2.4. The sound rating value listed in the HVI, AHAM, or equivalent directory. 2.5. If the value for the rated airflow given in the directory is greater than or equal to the airflow requirements specified in Section M1505.4.4.3 and if the value for the sone rating given in the directory is less than or equal to the sone rating requirements specified in Section M1505.4.4.2, then the local intermittent kitchen exhaust system complies, otherwise the local intermittent kitchen exhaust system does not comply.						
CHAPTER 16 DUCT SYSTEMS (Part V Mechanical)							
	Duct Construction	M1601.1.1	M1601.1.1		Keep Existing Amendment		
	M1601.1.1 Above-ground duct systems. Above-ground duct systems shall conform to the following: 1. Equipment connected to duct systems shall be designed to limit discharge air temperature to ~~not greater than~~ a maximum of 250°F (121°C). 2. Factory-made ducts shall be listed and labeled in accordance with UL 181 and installed in accordance with the manufacturer's instructions. 3. Fibrous duct construction shall conform to the SMACNA *Fibrous Glass Duct Construction Standards* or NAIMA *Fibrous Glass Duct Construction Standards*. 4. Field-fabricated and shop-fabricated metal and flexible duct constructions shall conform to the SMACNA HVAC *Duct Construction Standards—Metal and Flexible*, except as allowed by Table M1601.1.1. Galvanized steel shall conform to ASTM A 653. 5. ~~The~~ Use of gypsum products to construct return air ducts or plenums is permitted, provided that the air temperature does not exceed 125°F (52°C) and exposed surfaces are not subject to condensation. 6. Duct systems shall be constructed of materials having a flame spread index not greater than 200. 7. Stud wall cavities and the spaces between solid floor joists shall not be used as a duct or an air plenum in new construction. For existing systems, stud wall cavities and the spaces between solid floor joists to be used as air plenums shall comply with the following ~~conditions~~: 7.1. These cavities or spaces shall not be used as a plenum for supply air. 7.2. These cavities or spaces shall not be part of a required fire-resistance-rated assembly. 7.3. Stud wall cavities shall not convey air from more than one floor level. 7.4. Stud wall cavities and joist-space plenums shall be isolated from adjacent concealed spaces by tight-fitting fire blocking in accordance with Section R302.11. Fireblocking materials used for isolation shall comply with Section R302.11.1. 7.5. Stud wall cavities in the outside walls of building envelope assemblies shall not be utilized as air plenums.						
CHAPTER 17 COMBUSTION AIR (Part V Mechanical)							
	General	M1701.1	M1701.1		Keep Existing Amendment		
	M1701.1 Scope. Solid-fuel-burning appliances shall be provided with combustion air in accordance with the appliance manufacturer's installation instructions. Oil-fired appliances shall be provided with combustion air in accordance with NFPA 31. The methods of providing combustion air in this chapter do not apply to fireplaces, fireplace stoves and direct-vent appliances. The requirements for combustion and dilution air for gas-fired appliances shall be in accordance with Chapter 24. Fireplaces shall comply with Chapter 10.						
CHAPTER 18 CHIMNEYS AND VENTS (Part V Mechanical)							

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
	NA	NA	NA	NA	NA	NA	NA
	No Existing Amendments in Chapter 18						
CHAPTER 19 SPECIAL APPLIANCES, EQUIPMENT AND SYSTEMS (Part V Mechanical)							
	NA	NA	NA	NA	NA	NA	NA
	No Existing Amendments in Chapter 19						
CHAPTER 20 BOILERS AND WATER HEATERS (Part V Mechanical)							
	Boilers and Water Heaters	Ch 20			Keep Existing Amendment		
	Chapter 20—Boilers and water heaters. Informational Note: Boilers, water heaters and pressure vessels are regulated by chapter **70.79** RCW and chapter **296-104** WAC in addition to the requirements of this code.						
	Water Heaters	M2005.1			Keep Existing Amendment		
	Section M2005.1 General. Water heaters shall be installed in accordance with Chapter ~~28~~ 5 of the state plumbing code, the manufacturer's instructions and the requirements of this code. Water heaters installed in an attic shall comply with the requirements of Section M1305.1.2. Gas-fired water heaters shall comply with the requirements in Chapter 24. Domestic electric water heaters shall comply with UL 174. Oil-fired water heaters shall comply with UL 732. Thermal solar ~~thermal~~ water heaters ~~heating systems~~ shall comply with Chapter 23 and ~~ICC 900/SRCC 300~~ UL 174. Solid fuel-fired water heaters shall comply with UL 2523.						
CHAPTER 21 HYDRONIC PIPING (Part V Mechanical)							
	Hydronic Piping Systems Installation	M2101.3	M2101.3		Keep Existing Amendment		
	M2101.3 Protection of potable water. The potable water system shall be protected from backflow in accordance with the provisions listed in Section ~~P2902~~ 603 of the state plumbing code.						
	Floor Heating Systems	M2103.3	M2103.3		Keep Existing Amendment		
	M2103.3 Piping joints. Copper and copper alloy systems shall be soldered~~, brazed, or press connected. Soldering shall be~~ in accordance with ASTM B 828. Fluxes for soldering shall be in accordance with ASTM B 813. Brazing fluxes shall be in accordance with AWS A5.31. ~~Press-connect joints shall be in accordance with ASME B16.51.~~ Piping joints that are embedded shall be installed in accordance with the following requirements: 1. Steel pipe joints shall be welded. 2. Copper tubing shall be joined by brazing complying with Section ~~P3003.6.1~~ 605 of the state plumbing code. 3. Polybutylene pipe and tubing joints shall be installed with socket-type heat-fused polybutylene fittings. 4. CPVC tubing shall be joined using solvent cement joints. 5. Polypropylene pipe and tubing joints shall be installed with socket-type heat-fused polypropylene fittings. 6. Cross-linked polyethylene (PEX) tubing shall be joined using cold expansion, insert or compression fittings. 7. Raised temperature polyethylene (PE-RT) tubing shall be joined using insert or compression fittings.						
	Ground-Source Heat-Pump System Loop Piping	M2105.9	M2105.9		Keep Existing Amendment		
	M2105.9 CPVC plastic pipe. Joints between CPVC plastic pipe or fittings shall be solvent-cemented in accordance with Section ~~P2906.9.1.2~~ 605 of the state plumbing code. Threaded joints between fittings and CPVC plastic pipe shall be in accordance with Section M2105.9.1.						
	Ground-Source Heat-Pump System Loop Piping	M2105.14	M2105.14		Keep Existing Amendment		
	M2105.14 PVC plastic pipe. Joints between PVC plastic pipe or fittings shall be solvent-cemented in accordance with Section ~~P2906.9.1.4~~ 605 of the state plumbing code. Threaded joints between fittings and PVC plastic pipe shall be in accordance with Section M2105.9.1.						
	Ground-Source Heat-Pump System Loop Piping	M2105.18	M2105.18		Keep Existing Amendment		
	M2105.18 Protection of potable water. Where ground-source heat-pump ground-loop systems have a connection to a potable water supply, the potable water system shall be protected from backflow in accordance with Section ~~P2902~~ 603 of the state plumbing code.						
	Ground-Source Heat-Pump System Loop Piping	M2105.19	M2105.19		Keep Existing Amendment		
	M2105.19 Pipe penetrations. Openings for pipe penetrations in walls, floors and ceilings shall be larger than the penetrating pipe. Openings through concrete or masonry building elements shall be sleeved. The annular space surrounding pipe penetrations shall be protected in accordance with Section ~~P2606.1~~ 312 of the state plumbing code.						
CHAPTER 22 SPECIAL PIPING AND STORAGE SYSTEMS (Part V Mechanical)							
	NA	NA	NA	NA	NA	NA	NA
	No Existing Amendments in Chapter 19						
CHAPTER 23 SOLAR THERMAL ENERGY SYSTEMS (Part V Mechanical)							

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
	Solar Thermal Energy Systems	M2301.2.3	M2301.2.3		Keep Existing Amendment		
	M2301.2.3 Pressure and temperature relief valves and system components. System components containing fluids shall be protected with temperature and pressure relief valves or pressure relief valves. Relief devices shall be installed in sections of the system so that a section cannot be valved off or isolated from a relief device. Direct systems and the potable water portion of indirect systems shall be equipped with a relief valve in accordance with Section ~~P2804~~ 504 of the state plumbing code. For indirect systems, pressure relief valves in solar loops shall comply with SRCC 300. System components shall have a working pressure rating of not less than the setting of the pressure relief device.						
	Solar Thermal Energy Systems	M2301.2.5	M2301.2.5		Keep Existing Amendment		
	M2301.2.5 Piping insulation. Piping shall be insulated in accordance with the requirements of ~~Chapter 11~~ the state energy code. Exterior insulation shall be protected from ultraviolet degradation. The entire solar loop shall be insulated. Where split-style insulation is used, the seam shall be sealed. Fittings shall be fully insulated. ~~Exceptions:~~ ~~1. Those portions of the piping that are used to help prevent the system from overheating shall not be required to be insulated.~~ ~~2. Those portions of piping that are exposed to solar radiation, made of the same material as the solar collector absorber plate and are covered in the same manner as the solar collector absorber, or that are used to collect additional solar energy, shall not be required to be insulated.~~ ~~3. Piping in thermal solar systems using unglazed solar collectors to heat a swimming pool shall not be required to be insulated.~~						
	Solar Thermal Energy Systems	M2301.4	M2301.4		Keep Existing Amendment		
	M2301.4 Heat transfer gasses or liquids and heat exchangers. *Essentially toxic transfer fluids*, ethylene glycol, flammable gasses and flammable liquids shall not be used as heat transfer fluids. Heat transfer gasses and liquids shall be rated to withstand the system's maximum design temperature under operating conditions without degradation. Heat exchangers used in solar thermal systems shall comply with Section ~~P2902.5.2~~ 603.5.4 of the state plumbing code and ~~ICC 900/~~SRCC 300. Heat transfer fluids shall be in accordance with ~~ICC 900/~~SRCC 300. The flash point of the heat transfer fluids utilized in solar thermal systems shall be not less than 50 degrees F above the design maximum nonoperating or no-flow temperature attained by the fluid in the collector.						
	Solar Thermal Energy Systems	M2301.7	M2301.7		Keep Existing Amendment		
	M2301.7 Solar thermal systems for heating potable water. Where a solar thermal system heats potable water to supply a potable hot water distribution system, the solar thermal system shall be in accordance with Sections M2301.7.1, M2301.7.2 and ~~P2902.5.5~~ the state plumbing code.						
	Solar Thermal Energy Systems	M2301.7.1	M2301.7.1		Keep Existing Amendment		
	M2301.7.1 Indirect systems. Heat exchangers that are components of indirect solar thermal heating systems shall comply with ~~P2902.5.2~~ the state plumbing code.						
	Solar Thermal Energy Systems	M2301.7.2	M2301.7.2		Keep Existing Amendment		
	M2301.7.2 Direct systems. Where potable water is directly heated by a solar thermal system, the pipe, fittings, valves and other components that are in contact with the potable water in the solar heating system shall comply with the requirements of Chapter ~~29~~ 6 of the state plumbing code.						
CHAPTER 24 FUEL GAS (Part VI Fuel Gas)							
	NA	NA	NA	NA	NA	NA	NA
	No Existing Amendments in Chapter 24						
CHAPTER 25 PLUMBING ADMINISTRATION (Part VII Plumbing)							
	NA	NA	NA	NA	NA	NA	NA
	This Chapter is not adopted per WAC 51-51-003. For Plumbing Provisions, see WAC 51-56, Adoption and Amendment of the Uniform Plumbing Code.						
CHAPTER 26 GENERAL PLUMBING REQUIREMENTS (Part VII Plumbing)							
	NA	NA	NA	NA	NA	NA	NA
	This Chapter is not adopted per WAC 51-51-003. For Plumbing Provisions, see WAC 51-56, Adoption and Amendment of the Uniform Plumbing Code.						
CHAPTER 27 PLUMBING FIXTURES (Part VII Plumbing)							
	NA	NA	NA	NA	NA	NA	NA
	This Chapter is not adopted per WAC 51-51-003. For Plumbing Provisions, see WAC 51-56, Adoption and Amendment of the Uniform Plumbing Code.						
CHAPTER 28 WATER HEATERS (Part VII Plumbing)							
	NA	NA	NA	NA	NA	NA	NA
	This Chapter is not adopted per WAC 51-51-003. For Plumbing Provisions, see WAC 51-56, Adoption and Amendment of the Uniform Plumbing Code.						
CHAPTER 29 WATER SUPPLY AND DISTRIBUTION (Part VII Plumbing)							
	NA	NA	NA	NA	NA	NA	NA
	This Chapter is not adopted per WAC 51-51-003. For Plumbing Provisions, see WAC 51-56, Adoption and Amendment of the Uniform Plumbing Code.						
	Dwelling Unit Fire-Sprinkler Systems	P2904.1.1	P2904.1.1		Keep Existing Amendment		

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
	P2904.1.1 Required sprinkler locations. Sprinklers shall be installed to protect all areas of a *dwelling unit*. EXCEPTIONS: 1. Uninhabitable attics, crawl spaces and normally unoccupied concealed spaces that do not contain fuel-fired appliances do not require sprinklers. In uninhabitable attics, crawl spaces and normally unoccupied concealed spaces that contain fuel-fired equipment, a sprinkler shall be installed above the equipment; however, sprinklers shall not be required in the remainder of the space. 2. Clothes closets, linen closets and pantries not exceeding 24 square feet (2.2 m2) in area, with the smallest dimension not greater than 3 feet (915 mm) and having wall and ceiling surfaces of gypsum board. 3. Bathrooms not more than 55 square feet (5.1 m2) in area. 4. Garages; carports; exterior porches; unheated entry areas, such as mud rooms, that are adjacent to an exterior door; and similar areas.						
CHAPTER 30 SANITARY DRAINAGE (Part VII Plumbing)							
	NA	NA	NA	NA	NA	NA	NA
	This Chapter is not adopted per WAC 51-51-003. For Plumbing Provisions, see WAC 51-56. Adoption and Amendment of the Uniform Plumbing Code.						
CHAPTER 31 VENTS (Part VII Plumbing)							
	NA	NA	NA	NA	NA	NA	NA
	This Chapter is not adopted per WAC 51-51-003. For Plumbing Provisions, see WAC 51-56. Adoption and Amendment of the Uniform Plumbing Code.						
CHAPTER 32 TRAPS (Part VII Plumbing)							
	NA	NA	NA	NA	NA	NA	NA
	This Chapter is not adopted per WAC 51-51-003. For Plumbing Provisions, see WAC 51-56. Adoption and Amendment of the Uniform Plumbing Code.						
CHAPTER 33 STORM DRAINAGE (Part VII Plumbing)							
	NA	NA	NA	NA	NA	NA	NA
	This Chapter is not adopted per WAC 51-51-003. For Plumbing Provisions, see WAC 51-56. Adoption and Amendment of the Uniform Plumbing Code.						
CHAPTER 34 GENERAL REQUIREMENTS (Part VIII Electrical)							
	NA	NA	NA	NA	NA	NA	NA
	This Chapter is not adopted per WAC 51-51-003. For Electrical Provisions, see WAC 296-46B. Adoption of the National Electric Code.						
CHAPTER 35 ELECTRICAL DEFINITIONS (Part VIII Electrical)							
	NA	NA	NA	NA	NA	NA	NA
	This Chapter is not adopted per WAC 51-51-003. For Electrical Provisions, see WAC 296-46B. Adoption of the National Electric Code.						
CHAPTER 36 SERVICES (Part VIII Electrical)							
	NA	NA	NA	NA	NA	NA	NA
	This Chapter is not adopted per WAC 51-51-003. For Electrical Provisions, see WAC 296-46B. Adoption of the National Electric Code.						
CHAPTER 37 BRANCH CIRCUIT AND FEEDER REQUIREMENTS (Part VIII Electrical)							
	NA	NA	NA	NA	NA	NA	NA
	This Chapter is not adopted per WAC 51-51-003. For Electrical Provisions, see WAC 296-46B. Adoption of the National Electric Code.						
CHAPTER 38 WIRING METHODS (Part VIII Electrical)							
	NA	NA	NA	NA	NA	NA	NA
	This Chapter is not adopted per WAC 51-51-003. For Electrical Provisions, see WAC 296-46B. Adoption of the National Electric Code.						
CHAPTER 39 POWER AND LIGHTING DISTRIBUTION (Part VIII Electrical)							
	NA	NA	NA	NA	NA	NA	NA
	This Chapter is not adopted per WAC 51-51-003. For Electrical Provisions, see WAC 296-46B. Adoption of the National Electric Code.						
CHAPTER 40 DEVICES AND LUMINARIES (Part VIII Electrical)							
	NA	NA	NA	NA	NA	NA	NA
	This Chapter is not adopted per WAC 51-51-003. For Electrical Provisions, see WAC 296-46B. Adoption of the National Electric Code.						
CHAPTER 41 APPLIANCE INSTALLATION (Part VIII Electrical)							
	NA	NA	NA	NA	NA	NA	NA
	This Chapter is not adopted per WAC 51-51-003. For Electrical Provisions, see WAC 296-46B. Adoption of the National Electric Code.						
CHAPTER 42 SWIMMING POOLS (Part VIII Electrical)							
	NA	NA	NA	NA	NA	NA	NA
	This Chapter is not adopted per WAC 51-51-003. For Electrical Provisions, see WAC 296-46B. Adoption of the National Electric Code.						
CHAPTER 43 CLASS 2 REMOTE-CONTROL, SIGNALING AND POWER-LIMITED CIRCUITS (Part VIII Electrical)							
	NA	NA	NA	NA	NA	NA	NA
	This Chapter is not adopted per WAC 51-51-003. For Electrical Provisions, see WAC 296-46B. Adoption of the National Electric Code.						
CHAPTER 44 REFERENCED STANDARDS (Part IX Referenced Standards)							
	Association of Home Appliance Manufacturers	CH 44	CH 44		Keep Existing Amendment		

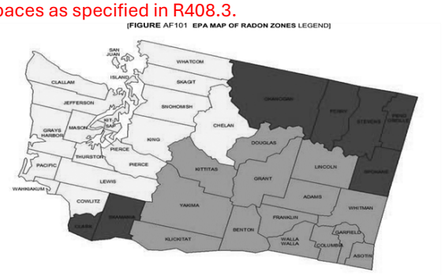
WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
	AHAM Association of Home Appliance Manufacturers 1111 19th St N.W., #402 Washington D.C. 20036 **HRH-2-2019: Household Range Hoods.** M1505.4.4.2 **Certified Range Hood Directory** M1505.4.4.3.1						
	Asociacion Nacional de Certificacion y Estandares(National Association of Standardization and Certification)	CH 44	CH 44		Modify Existing Amendment		Update to Newest Standard. Not included in Model 2024 code.
	ANCE **NMX-J-521/2-40-ANCE— ~~2014~~ 2019/CAN/CSA-22.2 No. 60335-2-40— ~~12~~ 19/UL 60335- 2-40-2019 ~~Safety of~~ Household and Similar Electrical Appliances - Safety-Part 2-40: Particular Requirements for Electric Heat Pumps, Air-Conditioners and Dehumidifiers.** M1403.1, M1412.1, M1413.1						
	American National Standards Institute	CH 44	CH 44		Modify Existing Amendment		Update to Newest Standard. Verify Reference to G2414.5.4
	ANSI **CSA/ANSI LC 1-19-~~2018~~/CSA 6.26—~~2016~~ 1819: Fuel Gas Piping Systems Using Corrugated Stainless Steel Tubing (CSST).** G2414.5.4 ~~G2414.4.4~~ , G2411.3, G2415.5 403.5.5						
	American Society of Heating, Refrigerating, and Air-Conditioning Engineers	CH 44	CH 44		Keep Existing Amendment		
	ASHRAE **34—2019: Designation and Safety Classification of Refrigerants.** M1411.1 **62.2-2019: Ventilation and Acceptable Indoor Air Quality in Residential Buildings.** M1505.1						
	American Society for Testing and Materials	CH 44	CH 44		Keep Existing Amendment		
	ASTM **E2556/E2556M-2010 (2016): Standard Specification for Vapor Permeable Flexible Sheet Water-Resistive Barriers Intended for Mechanical Attachment.** M1411.1 ~~R703.2~~ **E2558-2013: Standard Test Method for Determining Particulate Matter Emissions from Fires in Wood-burning Fireplaces.** R1004.1.1 **E3087—18: Standard Test Method for Measuring Capture Efficiency of Domestic Range Hoods.** M1505.4.4.3.2, Table M1505.4.4.3						
	Canadian Standards Association	CH 44	CH 44		Keep Existing Amendment		
	CSA **CAN/CSA/C22.2 No. 60335-2-40—2012 60335-2-40—2019** **NMX-J-521/2-40-ANCE—2019/CAN/CSA-C22.2 No. 60335-2-40—19/UL 60335- 2-40-2019 Household and Similar Electric Appliances, Part 2-40-Safety: Particular Requirements for Electric Heat Pumps, Air-Conditioners and Dehumidifiers.** M2006.1						
	Home Ventilating Institute	CH 44	CH 44		Keep Existing Amendment		

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
	HVI **HVI Publication 911: Certified Home Ventilation Products Directory.** M1505.4.4.3.1 **HVI Publication 915 (2016 with 2020 Update): Procedure for Loudness Rating of Residential Fan Products.** M1505.4.1.2, M1505.4.1.3, M1505.4.4.2 **HVI Publication 916 (2015 with 2020 Update): Air Flow Test Procedure.** M1505.4.1.2, M1505.4.1.3, M1505.4.4.2 **HVI Publication 920 (2020): Product Performance Certification Procedure Including Verification and Challenge.** M1505.4.1.2, M1505.4.1.3, M1505.4.1.5, M1505.4.4.2						
	Underwriters Laboratories	CH 44	CH 44		Keep Existing Amendment		
	UL **UL/CSA/ANCE 60335-2-40— ~~2012~~ 2019 Household and Similar Electrical Appliances Safety-Part 2-40: Particular Requirements for Electrical Heat Pumps, Air Conditioners and Dehumidifiers.** M1403.1, M1412.1, M1413.1						
CHAPTER 45 EXISTING BUILDINGS (Part IX Referenced Standards)							
	Scope and Purpose	R4501.1	NA		Keep Existing Amendment		
	R4501.1 General. *Repairs*, *alterations*, additions, and relocation of existing buildings and structures shall comply with the provisions of this code for new construction, except as modified by this chapter. Structural elements and systems shall comply with Section R102.7.1 and the provisions of this chapter.						
	Compliance	R4502.1	NA		Keep Existing Amendment		
	R4502.1 General. The work shall not cause the building or structure to become unsafe or adversely affect the performance of the building; shall not cause an existing mechanical or plumbing system to become unsafe, hazardous, insanitary, or overloaded; and unless expressly permitted by these provisions, shall not make the building any less compliant with this code or to any previously approved alternative arrangements than it was before the work was undertaken.						
	Compliance	R4502.2	NA		Keep Existing Amendment		
	R4502.2 Structural. Structural elements and systems that are altered, repaired, or replaced shall comply with the structural provisions of this chapter and of Chapter 3 through Chapter 10 of the *International Residential Code* unless noted otherwise.						
	Compliance	R4502.2.1	NA		Keep Existing Amendment		
	R4502.2.1 Minimum design loads. The minimum design loads for the structure shall be the loads applicable at the time the building was constructed. The minimum design loads for the structural components shall comply with the *International Residential Code*. Structural elements that are uncovered during the course of the alteration and that are found to be unsafe shall be repaired in accordance with Section R102.7.1.						
	Compliance	R4502.2.2	NA		Keep Existing Amendment		
	R4502.2.2 Unreinforced masonry parapet bracing. Unreinforced masonry buildings located in Seismic Design Category D0, D1, or D2 shall have parapet bracing and wall anchors installed at the roofline whenever a reroofing permit is issued. Such parapet bracing and wall anchors shall be of an approved design unless an evaluation demonstrates compliance of the existing bracing and anchorage.						
	Compliance	R4502.3	NA		Keep Existing Amendment		
	R4502.3 Smoke alarms. Smoke alarms shall be provided in accordance with Section R314.2.2.						
	Compliance	R4502.4	NA		Keep Existing Amendment		
	R4502.4 Carbon monoxide alarms. Carbon monoxide alarms shall be provided in accordance with Section R315.2.2.						
	Compliance	R4502.5	NA		Keep Existing Amendment		
	R4502.5 Replacement windows. Where an existing window, including the sash and glazed portion, or safety glazing is replaced, the replacement window or safety glazing shall comply with the requirements of Sections 4502.5.1 through 4502.5.5 as applicable.						
	Compliance	R4502.5.1	NA		Keep Existing Amendment		
	R4502.5.1 Energy efficiency. Replacement windows shall comply with the requirements of the Washington State Energy Code-Residential.						

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
	Compliance	R4502.5.2	NA		Keep Existing Amendment		
	R4502.5.2 Safety glazing. Replacement glazing in hazardous locations shall comply with the safety glazing requirements of Section R308.						
	Compliance	R4502.5.3	NA		Keep Existing Amendment		
	R4502.5.3 Window fall protection. Window fall protection shall be installed in accordance with Section R312.2. EXCEPTION: Where only the window glazing is being replaced.						
	Compliance	R4502.5.4	NA		Keep Existing Amendment		
	R4502.5.4 Replacement windows for emergency escape and rescue openings. Replacement windows shall be exempt from Sections R310.2 and R310.4.4, provided that the replacement window meets the following conditions: 1. The replacement window is the manufacturer's largest standard size window that will fit within the existing frame or existing rough opening. The replacement window is of the same operating style as the existing window or a style that provides for an equal or greater window opening area than the existing window. 2. The replacement window is not part of a change of use.						
	Compliance	R4502.5.5	NA		Keep Existing Amendment		
	R4502.5.5 Window opening control device and fall protection device height. Window opening control devices or fall protection device shall be located at a height in accordance with Section R310.1.1 or at as low a height as can be installed within the existing clear opening.						
	Compliance	R4502.6	NA		Keep Existing Amendment		
	R4502.6 Flood hazard areas. Work performed in existing buildings located in a flood hazard area as established by Table R301.2 shall be subject to the provisions of Section R105.3.1.1.						
	Repairs	R4503.1	NA		Keep Existing Amendment		
	R4503.1 General. *Repairs* shall comply with the applicable provisions of the code for new construction or as permitted by this section. Work on undamaged components that is necessary for the required repair of damaged components shall be considered part of the repair and shall not be subject to requirements for *alterations*.						
	Repairs	R4503.2	NA		Keep Existing Amendment		
	R4503.2 Materials. Materials used during *repairs* shall comply with this section.						
	Repairs	R4503.2.1	NA		Keep Existing Amendment		
	R4503.2.1 New and replacement materials. Except as otherwise required or permitted by this code, materials permitted by this code for new construction, shall be used. Like materials shall be permitted for *repairs*, provided that *unsafe* conditions are not created. Hazardous materials shall not be used where this code does not permit their use in buildings of similar occupancy, purpose, and location.						
	Repairs	R4503.2.2	NA		Keep Existing Amendment		
	R4503.2.2 Existing materials. Materials already in use in a building in compliance with requirements or approvals in effect at the time of their erection or installation shall be permitted to remain in use unless determined by the building official to be *unsafe*.						
	Repairs	R4503.2.3	NA		Keep Existing Amendment		
	R4503.2.3 Plumbing materials and supplies. The following plumbing materials and supplies shall not be used: 1. All-purpose solvent cement, unless listed for the specific application. 2. Flexible traps and tailpieces, unless listed for the specific application. 3. Solder having more than 0.2-percent lead in the repair of potable water systems.						
	Repairs	R4503.3	NA		Keep Existing Amendment		
	R4503.3 Water closets. Where any water closet is replaced with a newly manufactured water closet, the replacement water closet shall comply with the requirements of Uniform Plumbing Code Section 411.						
	Repairs	R4503.4	NA		Keep Existing Amendment		
	R4503.4 Structural. Repaired structural elements and systems shall comply with Section R102.7.1 and the structural provisions of this chapter.						
	Repairs	R4503.5	NA		Keep Existing Amendment		

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
	R4503.5 Demolition and replacement. Where a building or structure is effectively demolished by damage or where the intended method of repair is demolition and replacement, the replaced building, including its replaced foundation, shall comply with requirements for new construction in the *International Residential Code*. EXCEPTION: Existing foundations are permitted to remain and be reused where approved by the code official.						
	Alterations	R4504.1	NA		Keep Existing Amendment		
	R4504.1 General. *Alterations* to existing buildings shall comply with the provisions of this code for new construction, except as permitted by this section.						
	Alterations	R4504.2	NA		Keep Existing Amendment		
	R4504.2 Newly constructed elements. Newly constructed elements, components, and systems shall comply with the requirements of this code. EXCEPTION: Added openable windows are not required to comply with the light and ventilation requirements of Section R303.						
	Alterations	R4504.3	NA		Keep Existing Amendment		
	R4504.3 Nonconformities. The work shall not increase the extent of noncompliance or create nonconformity to those requirements that did not previously exist.						
	Alterations	R4504.4	NA		Keep Existing Amendment		
	R4504.4 Structural. Altered structural elements and systems shall comply with Section R102.7.1 and the structural provisions of this chapter. New elements shall meet all of the requirements of this code for new construction. Structural elements that are uncovered during the course of the alteration and that are found to be unsafe shall be repaired in accordance with Section R102.7.1.						
	Alterations	R4504.4.1	NA		Keep Existing Amendment		
	R4504.4.1 Decreased structural capacity. Where an alteration causes a decrease in capacity in any structural component, that structural component shall be shown to comply or shall be altered to comply with the applicable provisions of Chapters 3, 4, 5, 6, and 8.						
	Alterations	R4504.4.2	NA		Keep Existing Amendment		
	R4504.4.2 Increased structural loads. Where an alteration causes an increase in loads as described in this section, the existing structural components that support the increased load, including the foundation, shall be shown to comply or shall be altered to comply with the applicable provisions of Chapters 3, 4, 5, 6, and 8. Existing structural components that do not provide support for the increased loads shall not be required to comply with this section.						
	Alterations	R4504.4.2.1	NA		Keep Existing Amendment		
	R4504.4.2.1 Dead load increase. Dead load shall be considered to be increased for purposes of this section when the weight of materials used for the *alteration* exceeds the weight of the materials replaced, or when new materials or elements are added. EXCEPTION: 1. Buildings in which the increase in dead load is due entirely to the addition of a second layer of roof covering weighing 3 pounds per square foot (0.1437 kN/m2) or less over an existing single layer of roof covering. 2. Installation of rooftop-mounted photovoltaic (PV) panel systems weighing 4 pounds per square foot or less over an existing single layer of roof covering.						
	Alterations	R4504.4.2.2	NA		Keep Existing Amendment		
	R4504.4.2.2 Live load increase. An increase in live load shall be determined based on Table R301.5.						
	Alterations	R4504.4.2.3	NA		Keep Existing Amendment		
	R4504.4.2.3 Snow load increase. Snow load shall be considered to be increased for purposes of this section when alteration of the roof configuration creates new areas that accumulate drifted snow.						
	Alterations	R4504.4.2.4	NA		Keep Existing Amendment		
	R4504.4.2.4 Wind load increase. Wind load shall be considered to be increased for purposes of this section when the surface area of any exterior elevation subject to wind pressure is increased by more than 5 percent.						
	Alterations	R4504.4.2.5	NA		Keep Existing Amendment		
	R4504.4.2.5 Seismic load increase. Seismic load shall be considered to be increased for purposes of this section in *existing buildings* assigned to Seismic Design Category C, D0, D1, or D2 where new materials replace lighter weight materials in one of the following conditions: 1. Concrete tile or tile roof covering of similar weight is installed on more than 50 percent of the total roof area. 2. Brick veneer or cladding of similar weight is installed on walls above the second story.						
	Alterations	R4504.5	NA		Keep Existing Amendment		

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
	R4504.5 Ventilation. Reconfigured spaces intended for occupancy and spaces converted to habitable or occupiable space in any work area shall be provided with ventilation in accordance with Section R303.						
	Alterations	R4504.6	NA		Keep Existing Amendment		
	R4504.6 Ceiling height. Where a habitable attic or habitable space in a basement is created in an existing building, ceiling height shall not be less than 6 foot 8 inches (2032 mm). Bathrooms, toilet rooms, and laundry rooms shall have a ceiling height of not less than 6 feet 4 inches (1931 mm). EXCEPTIONS: 1. For rooms with sloped ceilings, the required floor area of the room shall have a ceiling height of not less than 5 feet (1524 mm) and not less than 50 percent of the required floor area shall have a ceiling height of not less than 6 feet 8 inches (2134 mm). 2. At beams, girders, ducts, or other obstructions, the ceiling height shall be not less than 6 feet 4 inches (1931 mm) from the finished floor.						
	Alterations	R4504.7	NA		Keep Existing Amendment		
	R4504.7 Stairways, handrails, and guards. Stairs, handrails, and guards shall comply with this section.						
	Alterations	R4504.7	NA		Keep Existing Amendment		
	R4504.7.1 Stairway illumination. Stairways within the work area shall be provided with illumination in accordance with Section R303.6.						
	Alterations	R4504.7.2	NA		Keep Existing Amendment		
	R4504.7.2 Stair width. Existing stairs not otherwise being altered or modified shall be permitted to maintain their current clear width at, above and below existing handrails.						
	Alterations	R4504.7.3	NA		Keep Existing Amendment		
	R4504.7.3 Stair headroom. Headroom height on existing stairs being altered or modified shall not be reduced below the existing stairway finished headroom. Existing stairs not otherwise being altered shall be permitted to maintain the current finished headroom.						
	Alterations	R4504.7.4	NA		Keep Existing Amendment		
	R4504.7.4 Stair landing. Landings serving existing stairs being altered or modified shall not be reduced below the existing stairway landing depth and width. Existing stairs not otherwise being altered shall be permitted to maintain the current landing depth and width.						
	Alterations	R4504.7.5	NA		Keep Existing Amendment		
	R4504.7.5 Stair treads and risers. An existing stairway shall not be required to comply with Section R311.7.5 where the existing space and construction does not allow a reduction in pitch or slope. Where risers are added to an existing stair, the tread and riser dimensions of the added risers shall match the existing stair.						
	Alterations	R4504.7.6	NA		Keep Existing Amendment		
	R4504.7.6 Handrails and guards. Where a stair or any portion of a stair is reconstructed, a handrail and guard, where required, shall be provided in accordance with Section R311 and R312.						
	Additions	R4505.1	NA		Keep Existing Amendment		
	R4505.1 Additions to an existing building. Additions shall comply with this section and other applicable provisions of this code for new construction.						
	Additions	R4505.2	NA		Keep Existing Amendment		
	R4505.2 Structure for horizontal additions. Where an addition involves new construction next to and attached to an existing building and includes alterations to the existing building, the *addition* shall meet all of the requirements of this code for new construction. Alterations to the existing building shall comply with the requirements governing alterations within this code. In wood light-frame additions, connection of the structural components shall be permitted to be provided using wall top plates and addition studs that abut the existing building. Wall top plates shall be lapped and spliced in accordance with Section R602.3.2. Abutting studs shall be fastened in accordance with Table R602.3(1). EXCEPTION: The structural components of the *addition* shall be permitted to be connected to the existing building in accordance with accepted engineering practice.						
	Additions	R4505.3	NA		Keep Existing Amendment		

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
	R4505.3 Structure for vertical additions. Where an addition involves new construction that adds a story to any part of the existing building or vertically increases the height of any part of the existing building, the new construction and the existing building together shall meet all of the requirements of this code for new construction. EXCEPTION: Where the new structure and the existing structure together are evaluated in accordance with accepted engineering practice and are shown to be sufficient to support the combined loads from the new structure and existing structure, no structural alterations are required.						
	Relocations	R4506.1	NA		Keep Existing Amendment		
	R4506.1 Relocated buildings. Residential buildings or structures moved into or within the jurisdiction are not required to comply with the requirements of this code if the original use classification of the building or structure is not changed. Any repair, alteration, or change of use undertaken within the relocated structure shall comply with the requirements of this code applicable to the work being performed.						
APPENDIX AA SIZING AND CAPACITIES OF GAS PIPING							
	NA	NA	NA	NA	NA	NA	NA
	No Existing Amendments in Appendix AA						
APPENDIX AB SIZING OF VENTING SYSTEMS SERVING APPLIANCES EQUIPPED WITH DRAFT HOODS, CATEGORY I APPLIANCES AND APPLIANCES LISTED FOR USE WITH TYPE B VENTS							
	NA	NA	NA	NA	NA	NA	NA
	No Existing Amendments in Appendix AB						
APPENDIX AC EXIT TERMINALS OF MECHANICAL DRAFT AND DIRECT-VENT VENTING SYSTEMS							
	NA	NA	NA	NA	NA	NA	NA
	No Existing Amendments in Appendix AC						
APPENDIX AD RECOMMENDED PROCEDURE FOR SAFETYINSPECTION OF AN EXISTING APPLIANCE INSTALLATION							
	NA	NA	NA	NA	NA	NA	NA
	No Existing Amendments in Appendix AD						
APPENDIX AE MANUFACTURED HOUSING USED AS DWELLINGS							
	NA	NA	NA	NA	NA	NA	NA
	No Existing Amendments in Appendix AE						
APPENDIX AF RADON CONTROL METHODS							
	Scope	AF101.1	BE101.1		Keep Existing Amendment		
	AF101.1 General. This appendix contains requirements for new construction in jurisdictions where radon-resistant construction is required. Inclusion of this appendix by jurisdictions shall be required in high radon potential counties as determined ~~through the use of locally available data or determination of Zone 1 designation~~ in Figure AF101 ~~AF101.1~~ and as listed in Table AF101(1) ~~AF101.1~~. Unvented crawl spaces are not permitted in any high radon potential county. In other areas, requirements of this appendix apply to any structure constructed with unvented crawl spaces as specified in R408.3. [FIGURE AF101 EPA MAP OF RADON ZONES LEGEND]  ZONE 1 HIGH POTENTIAL (GREATER THAN 4 pCi/L[a]**[Red/Darkest]** ZONE 2 MODERATE POTENTIAL (FROM 2 TO 4 pCi/L)**[Orange/Midrange]** ZONE 3 LOW POTENTIAL (LESS THAN 2 pCi/L)**[Yellow/Lightest]** a. pCi/L standard for picocuries per liter of radon gas. EPA recommends that all homes that measure 4 pCi/L and greater be mitigated. The United States Environmental Protection Agency and the United States Geological Survey have evaluated the radon potential in the United States and have developed a map of radon zones designed to assist building building officials in deciding whether radon-resistant features are applicable in new construction. The map assigns each of the 3,141 counties in the United States to one of three zones based on radon potential. Each zone designation reflects the average short -term radon measurement that can be expected to be measured in a building without the implementation of radon control methods. The radon zone designation of highest priority is Zone 1. Table 1 of this appendix lists the Zone 1 counties illustrated on the map. More detailed information can be obtained from state-specific booklets (EPA-402-R-93-021 through 070) available through State Radon Offices or from U.S. EPA Regional Offices.						
	Scope	T AF101(1)	T BE101(1)		Keep Existing Amendment		

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
	TABLE AF101(1) HIGH RADON POTENTIAL (ZONE 1) COUNTIES[A] **|Washington|** Clark, Ferry, Okanogan, Pend Oreille, Skamania, Spokane, Stevens.| a. EPA recommends that this county listing be supplemented with other available state and local data to further understand the radon potential of Zone 1 areas.						
	Requirements	AF103.1	BE103.1		Keep Existing Amendment		
	AF103.1 General. The following construction techniques are intended to resist radon entry and prepare the building for post-construction radon mitigation, if necessary (see Figure AF103.1). These techniques are required in high radon potential counties ~~areas where~~ designated in Table AF101(1) ~~by the jurisdiction~~.						
	APPENDIX AG PIPING STANDARDS FOR VARIOUS APPLICATIONS						
	NA	NA	NA	NA	NA	NA	NA
	No Existing Amendments in Appendix AG						
	APPENDIX AH PATIO COVERS						
	NA	NA	NA	NA	NA	NA	NA
	No Existing Amendments in Appendix AH						
	APPENDIX AI PRIVATE SEWAGE DISPOSAL						
	NA	NA	NA	NA	NA	NA	NA
	No Existing Amendments in Appendix AI						
	APPENDIX AJ EXISTING BUILDINGS AND STRUCTURES						
	NA	NA	NA	NA	NA	NA	NA
	No Existing Amendments in Appendix AJ						
	APPENDIX AK SOUND TRANSMISSION						
	NA	NA	NA	NA	NA	NA	NA
	No Existing Amendments in Appendix AK						
	APPENDIX AL PERMIT FEES						
	NA	NA	NA	NA	NA	NA	NA
	No Existing Amendments in Appendix AL						
	APPENDIX AM HOME DAY CARE – R-3 OCCUPANCY						
	NA	NA	NA	NA	NA	NA	NA
	No Existing Amendments in Appendix AM						
	APPENDIX AN VENTING METHODS						
	NA	NA	NA	NA	NA	NA	NA
	No Existing Amendments in Appendix AN						
	APPENDIX AO AUTOMATIC VEHICULAR GATES						
	NA	NA	NA	NA	NA	NA	NA
	No Existing Amendments in Appendix AO						
	APPENDIX AP SIZING OF WATER PIPING SYSTEM						
	NA	NA	NA	NA	NA	NA	NA
	No Existing Amendments in Appendix AP						
	APPENDIX AQ TINY HOUSES						
	Definitions	AQ102.1	BB102.1		Keep Existing Amendment		
	EGRESS ROOF ACCESS WINDOW. See Chapter 2 ~~*A skylight* or roof window designed and installed to satisfy the emergency escape and rescue opening requirements of Section R310.2~~.						
	Definitions	AQ102	BB102.1		Keep Existing Amendment		
	LANDING PLATFORM. See Chapter 2 ~~A landing provided as the top step of a stairway accessing a *loft*~~.						
	Definitions	AQ102	BB102.1		Keep Existing Amendment		
	LOFT. See Chapter 2 ~~A floor level located more than 30 inches (762 mm) above the main floor, open to the main floor on one or more sides with a ceiling height of less then 6 feet 8 inches (2032 mm) and used as a living or sleeping space~~.						
	Definitions	AQ102	BB102.1		Keep Existing Amendment		
	TINY HOUSE. A *dwelling unit* that is 400 square feet (37 m^2) or less in floor area excluding *sleeping lofts*.						
	Ceiling Height	AQ103.1	BB103.1		Keep Existing Amendment		

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
	AQ103.1 Minimum ceiling height. Habitable space in tiny houses shall have a ceiling height of not less than 6 feet 8 inches (2032 mm). Bathrooms, toilet rooms and kitchens shall have a ceiling height of not less than 6 feet 4 inches (1930 mm). Obstructions including, but not limited to, beams, girders, ducts and lighting, shall not extend below these minimum ceiling heights. EXCEPTION: Ceiling heights in *lofts* shall be in accordance with Section R333 ~~are permitted to be less than 6 feet 8 inches (2032 mm)~~.						
	Energy Conservation	AQ104.1	NA		Keep Existing Amendment		Replaces Model Section AQ104 Lofts. Suggest not adopt BB104 Lofts and locating with model Energy Conservation Section BB106.1.
	AQ104.1 Air leakage testing. The air leakage rate for tiny houses shall not exceed 0.30 cfm at 50 Pascals of pressure per square foot of the dwelling unit enclosure area. Testing shall be conducted in accordance with RESNET/ICC 380, ASTM E 779 or ASTM E 1827 and reported at a pressure of 0.2 inch w.g. (50 Pascals). Where required by the code official, testing shall be conducted by an approved third party. A written report of the results of the test shall be signed by the party conducting the test and provided to the code official. Testing shall be performed after the continuous air barrier, including all penetrations, is completed and sealed. During testing: 1. Exterior windows and doors, fireplace and stove doors shall be closed, but not sealed, beyond the intended weather stripping or other infiltration control measures. 2. Dampers including exhaust, intake, makeup air, backdraft and flue dampers shall be closed, but not sealed beyond intended infiltration control measures. 3. Interior doors, if installed at the time of the test, shall be open. 4. Exterior louvers for continuous ventilation systems and heat recovery ventilators shall be closed and sealed. 5. Heating and cooling systems, if installed at the time of the test, shall be turned off. 6. Supply and return registers, if installed at the time of the test, shall be fully open						
	Energy Conservation	AQ104.1.1	NA		Keep Existing Amendment		Replaces Model Section AQ104 Lofts. Suggest not adopt BB104 Lofts and locating with model Energy Conservation Section BB106.1.1
	AQ104.1.1 Whole-house mechanical ventilation. Where an air leakage rate not exceeding 0.30 cfm per ft of the dwelling unit enclosure area in accordance with Section AQ106.1 is provided, the tiny house shall be provided with whole-house mechanical ventilation in accordance with Section M1505.4.						
	Emergency Escape and Rescue Openings	AQ105	BB105		Keep Existing Amendment		
	AQ105 Emergency escape and rescue openings. This section is not adopted.						
	Energy Conservation	AQ106	BB106		Modify Existing Amendment		See Notes for 2021 Section AQ104 Proposal Needed
	AQ106 Energy conservation. This section is not adopted.						
APPENDIX AR LIGHT STRAW-CLAY CONSTRUCTION							
	NA	NA	NA	NA	NA	NA	NA
	No Existing Amendments in Appendix AR						
APPENDIX AS STRAWBALE CONSTRUCTION							
	NA	NA	NA	NA	NA	NA	NA
	No Existing Amendments in Appendix AS						
APPENDIX AT SOLAR-READY PROVISIONS – DETACHED ONE- AND TWO-FAMILY DWELLINGS AND TOWNHOUSES							
	General Definition	AT102.1	NA		Repeal Existing Amendment		Included in WAC for Clarity. No longer in 2024 Model text. Proposal Needed
	AT102.1 General. The following term shall, for the purpose of this appendix, have the meaning shown herein.						

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
	General Definition	AT102.1	NB102		Keep Existing Amendment		
	Solar-ready zone. A section or sections of the roof or building overhang designated and reserved for the future installation of a solar photovoltaic or solar water-heating ~~thermal~~ system.						
	Solar Ready Zone	AT103.3	NB103.3		Keep Existing Amendment		
	AT103.3 Solar-ready zone area. The total solar-ready zone area shall be not less than 300 square feet (27.87 m2) exclusive of mandatory access or set back areas as required by this code ~~the *International Fire Code*~~. New townhouses three stories or less in height above grade plane and with a total floor area less than or equal to 2,000 square feet (185.8 m2) per dwelling shall have a solar-ready zone area of not less than 150 square feet (13.94 m2). The solar-ready zone shall be composed of areas not less than 5 feet (1.52 m ~~1524 mm~~) in width and not less than 80 square feet (7.44 m2) exclusive of access or set back areas as required in this code or the applicable provisions of the *International Fire Code*. No portion of the solar zone shall be located on a roof slope greater than 2:12 that faces within 45 degrees of true north ~~by the *International Fire Code*~~.						
	Solar Ready Zone	AT103.6	NB 103.6		Keep Existing Amendment		
	AT103.6 Capped roof penetration sleeve. A capped roof penetration sleeve shall be provided adjacent to a solar-ready zone when the solar-ready zone has a roof slope of 2:12 or less ~~located on a roof slope of not greater than 1 unit vertical in 12 units horizontal (8-percent slope)~~. The capped roof penetration sleeve shall be sized to accommodate the future photovoltaic system conduit, but shall have an inside diameter not less than 1 1/4 inches.						
APPENDIX AU COB CONSTRUCTION (MONOLITHIC ADOBE)							
	NA	NA	NA	NA	NA	NA	NA
	No Existing Amendments in Appendix AU						
APPENDIX AV BOARD OF APPEALS							
	NA	NA	NA	NA	NA	NA	NA
	No Existing Amendments in Appendix AV						
APPENDIX AW 3D-PRINTED BUILDING CONSTRUCTION							
	NA	NA	NA	NA	NA	NA	NA
	No Existing Amendments in Appendix AW						
APPENDIX AX ZERO ENERGY RESIDENTIAL BUILDING PROVISIONS							
	NA	NA	NA	NA	NA	NA	NA
	No Existing Amendments in Appendix AX						
APPENDIX AWU DWELLING UNIT FIRE SPRINKLER SYSTEMS							
	Dwelling Unit Fire Sprinkler Systems	AWU			Keep Existing Amendment		
	Appendix AWU—Dwelling unit fire sprinkler systems. The design and installation of residential fire sprinkler systems shall be in accordance with the International Residential Code Section P2904 Dwelling Unit Fire Sprinkler Systems.						
	Dwelling Unit Fire Sprinkler Systems	AWU P2904.1.1			Keep Existing Amendment		Suggest renumbering to fit publication
	P2904.1.1 Required sprinkler locations. Sprinklers shall be installed to protect all areas of a dwelling unit. EXCEPTIONS: 1. Uninhabitable attics, crawl spaces and normally unoccupied concealed spaces that do not contain fuel-fired appliances do not require sprinklers. In uninhabitable attics, crawl spaces and normally unoccupied concealed spaces that contain fuel-fired equipment, a sprinkler shall be installed above the equipment; however, sprinklers shall not be required in the remainder of the space. 2. Clothes closets, linen closets and pantries not exceeding 24 square feet (2.2 m^2) in area, with the smallest dimension not greater than 3 feet (915 mm) and having wall and ceiling surfaces of gypsum board. 3. Bathrooms not more than 55 square feet (5.1 m^2) in area. 4. Garages; carports; exterior porches; unheated entry areas, such as mud rooms, that are adjacent to an exterior door; and similar areas.						
APPENDIX AWV FIRE SPRINKLERS							
	Fire Sprinklers	AWV			Keep Existing Amendment		
	Appendix AWV—Fire sprinklers. The provisions contained in this appendix are not mandatory unless specifically referenced in the adopting ordinance						
	Fire Sprinklers	AWV107.1			Keep Existing Amendment		
	AWV107.1 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 AWU.						
APPENDIX AWY CONSTRUCTION AND DEMOLITION MATERIAL MANAGEMENT							

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
	Construction and demolition material management	AWY			Keep Existing Amendment		
	Appendix WY—Construction and demolition material management. The provisions contained in this appendix are not mandatory unless specifically referenced in the adopting ordinance.						
	General	AWY101.1			Keep Existing Amendment		
	AWY101.1 Purpose. The purpose of this code section is to increase the reuse and recycling of construction and demolition materials.						
	General	AWY101.2			Keep Existing Amendment		
	AWY101.2 Scope. This code section applies to new *buildings* and *structures* construction, *alterations* to existing *buildings* and *structures* and the *demolition* of existing *buildings* and *structures* having a work area greater than 750 square feet (69.68 m2) or with a project value greater than $75,000, whichever is more restrictive. EXCEPTION: Projects determined to be unsafe.						
	General Definitions	AWY102.1			Keep Existing Amendment		
	AWY102.1 General. The following words and terms shall, for the purposes of this appendix, have the meanings shown herein. Refer to Chapter 2 of this code for general definitions.						
	General Definitions	AWY102.1			Keep Existing Amendment		
	Demolition. The process of razing, relocating, or removing an existing *building* or *structure*, or a portion thereof.						
	General Definitions	AWY102.1			Keep Existing Amendment		
	Divert, diverted, or diversion. The *reuse*, *recycling*, or beneficial use of construction and *demolition* materials.						
	General Definitions	AWY102.1			Keep Existing Amendment		
	Recycling. The process of transforming or remanufacturing waste materials into useable or marketable materials for use other than landfill disposal or incineration.						
	General Definitions	AWY102.1			Keep Existing Amendment		
	Reuse. The return of a material into the economic stream for use.						
	General Definitions	AWY102.1			Keep Existing Amendment		
	Salvage. The recovery of construction and *demolition building* material and components from a *building* or site in order to increase the *reuse* or repurpose potential of these materials and decrease the amount of material being sent to the landfill. *Salvaged* material may be sold, donated, or reused on site.						
	Construction and Demolition Material Management	AWY103.1			Keep Existing Amendment		
	AWY103.1 Collection containers. All sites where *recyclable* construction and *demolition* materials are generated and transported for *recycling* must provide a separate container for *nonrecyclable* materials pursuant to WAC **173-345-040**.						
	Construction and Demolition Material Management	AWY103.2			Keep Existing Amendment		
	AWY103.2 Salvage assessment. A *salvage* assessment shall be submitted prior to *permit* issuance. The *salvage* assessment shall identify the *building* components of an existing *building* that, if removed, have the potential to be *reused*. This assessment shall be signed by the *owner* and serve as an affidavit stating that the project shall be executed in compliance with the requirements of this code. EXCEPTION: Projects that include only new construction.						
	Construction and Demolition Material Management	AWY103.3			Keep Existing Amendment		
	AWY103.3 Waste diversion report. A waste diversion report shall be submitted prior to issuance of the Certificate of Occupancy or approval of final inspection. The waste diversion report shall identify the following: 1. Weight or volume of project-generated construction and *demolition* material; 2. Whether the material was disposed in a landfill or *diverted*; 3. The hauler of the material; 4. The receiving facility or location; and 5. The date materials were accepted by the receiving facility or location.						
APPENDIX AWZ BUILDING DECONSTRUCTION							

WAC	Title or Subject	2021 IRC #	2024 IRC #	Rationale	2024 Staff Recommendation	2024 TAG Member Recommendation	Other Comments
	Building Deconstruction	AWZ			Keep Existing Amendment		
	Appendix WZ—Building deconstruction. The provisions contained in this appendix are not mandatory unless specifically referenced in the adopting ordinance.						
	General	AWZ101.1			Keep Existing Amendment		
	AWZ101.1 Purpose. The purpose of this section is to increase the amount of material *salvaged* for *reuse* through the act of *deconstruction* when a *building* or *structure* is *demolished*. Used sawn lumber is permitted to be *reused* in accordance with Section R602.1.1.1.						
		AWZ101.2			Keep Existing Amendment		
	AWZ101.2 Scope. This section applies to existing dwellings, townhouses, and accessory structures permitted to be demolished that are greater than 750 square feet (69.68 m2) and meet one of the following: 1. The structure has been identified as a historic building; or 2. The structure was built 90, or more, years ago. Exceptions: 1. The structure is determined to be unsafe by the engineer of record; 2. The structure shall be relocated; 3. The engineer of record determines that 50 percent, by weight, of the material in the structure that is not concrete, is not suitable for reuse.						
	General Definitions	AWZ102.1			Keep Existing Amendment		
	AWZ102.1 General. The following words and terms shall, for the purposes of this appendix, have the meanings shown herein. Refer to Chapter 2 of this code for general definitions.						
	General Definitions	AWZ102.1			Keep Existing Amendment		
	Deconstruction. The systematic disassembly of a *structure*, in order to *salvage building* materials or components for the primary purpose of *reusing* materials to the maximum extent possible, with a secondary purpose of *recycling* the remaining materials.						
	General Definitions	AWZ102.1			Keep Existing Amendment		
	Demolition. The process of razing, relocating, or removing an existing *building* or *structure*, or a portion thereof.						
	General Definitions	AWZ102.1			Keep Existing Amendment		
	Heavy machinery. Heavy machinery includes, but is not limited to, track hoes, excavators, skid steer loaders, or forklifts.						
	General Definitions	AWZ102.1			Keep Existing Amendment		
	Recycling. The process of transforming or remanufacturing waste materials into useable or marketable materials for use other than landfill disposal or incineration.						
	General Definitions	AWZ102.1			Keep Existing Amendment		
	Reuse. The return of a material into the economic stream for use.						
	General Definitions	AWZ102.1			Keep Existing Amendment		
	Salvage. The recovery of construction and *demolition building* material and components from a *building* or site in order to increase the *reuse* or repurpose potential of these materials and decrease the amount of material being sent to the landfill. *Salvaged* material may be sold, donated, or *reused*.						
	Deconstruction	AWZ103.1			Keep Existing Amendment		
	AWZ103.1 Deconstruction. Buildings and structures meeting the requirements of Section AZ101.2 shall be deconstructed.						
	Deconstruction	AWZ103.2			Keep Existing Amendment		
	AWZ103.2 Heavy machinery. Heavy machinery may not be used in deconstruction to remove or dismantle components of buildings and structures in ways that render the components unsuitable for salvage.						