

SUMMARY OF STATE AMENDMENTS November 14, 2017

2015 IBC Amendments to WAC 51-50

	Section	2015 amendments	Sub sections / adoption notes	Commentary
1	003	Adopts by reference the International Building Code (IBC)	Updates to new edition IBC	Administrative
2	005 Accessibility	Adopts ICC A117.1-2009, and Appendix E	2018 IBC maintains A117.1-2009. A117.1-2017 is published and available.	A117.1 Accessible and usable Buildings and Facilities. A117.1 is adopted in IBC Section 1102.1
3	007 Exceptions	Exempts temporary grow structures and temporary worker housing. Includes in the adoption the International Existing Building Code (IEBC)	Update to adopt the 2018 IEBC	RCW 19.27.065 Exemption—Temporary growing structures used for commercial production of horticultural plants. Effective date—1996 c 157 RCW 19.27.067 Temporary worker housing—Exemption—Standards. Effective date—1998 c 37 § 1 IEBC is adopted in IBC Section 101.4.7
4	008 Implementation	Establishes the effective date		Planned effective date for 2018 IBC is July 1, 2020.
5	009 Recyclable materials and solid waste storage 15-046		Amended in 2015 to add a definition of compost and require storage space for compost	RCW 19.27.175 Recycled materials—Study code and adopt changes. Effective date—1991 c 297 § 15
6	0108 Temporary structures and uses.		Allows unheated tents and yurts Also under #108 section 3103	2006 amendment 06-131 IBC Section 903.2.8 requires automatic fire sprinklers in all R-1 occupancies. This section should be amended to clarify that sprinklers are not required in yurts.
7	202 Definitions 15-019 15-041 15-112		Adds definitions: assisted living facility, bottle filling station, climate zone, efficiency dwelling unit, staged evacuation; deletes definitions published in the 2015 IBC: Air impermeable insulation; non-structural concrete	13 definitions, 12 standalone state amendments, 1 amends model code (climate zone) No new definitions in the 2018 IBC replace standalone state definitions
8	305 Educational Group E		305.2.4 Family home child care	No change in the 2018 IBC
9	306 Factory Group F		“marijuana processing” listed as Group F-1	Adopted in 2015, Substantial testimony at hearings, limited feedback since effective date 7/1/16 No changes in 2018 IBC
10	308 Institutional Group I 15-095	Licensed care facilities	308.3.3 Classifies assisted living facilities & Residential Treatment Facilities as Group I-1/Condition 2	Adopted in 2015, change in occupancy classification from Group R-2 to Group I-1/Cond 2 June 9, 2017, SBCC moves to study occupancy classification for RTF and consider dropping state amendment. 2018 IBC adjusts numbering. The TAG should solicit input from stakeholders on this issue and perhaps come up with a recommendation.
11	310 Residential Group R	310.2 Definitions 310.4		<u>ADULT FAMILY HOME.</u> <u>BOARDING HOUSE.</u> <u>CHILD CARE.</u>

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		Residential Group R-2.	Unique definitions based on state law and regulations for “Adult Family Home” and “child care family home”	<p><u>CHILD CARE, FAMILY HOME.</u> CONGREGATE LIVING FACILITIES. DORMITORY. GROUP HOME. GUEST ROOM. LODGING HOUSE.</p> <p>PERSONAL CARE SERVICE. TRANSIENT.</p> <p>Definitions removed from the 2018 IBC. Sections renumbered</p>
12	312 General Group U		2015 amendment: Greenhouses <u>and other structures used for cultivation, protection or maintenance of plants</u> 2018 IBC 312.1.1 Greenhouses. Greenhouses not classified as another occupancy shall be classified as Use Group U. (definition of greenhouse in chapter 2: A structure or thermally isolated area of a building that maintains a specialized sunlit environment used for and essential to the cultivation, protection or maintenance of plants.)	Adopted in 2015, substantial testimony, amendment proposed at the hearing by WABO; does not include “processing” of plants (related to #9- Group F classification) 2018 IBC adds new section on greenhouses Recommend possible deletion of this amendment
13	403.5.4	Smokeproof enclosures	Updates references for exit stairways requiring smokeproof enclosures. State amendment provides an exception.	original proposal 2009 (rule filed 1/20/10, effective 7/1/10) WABO TCD does not see a need for this amendment. No change in the 2018 code Recommend possible deletion of this amendment
14	412.8.3 15-111	Means of egress	Specifies fire protection for rooftop structures where heliports and helistops are on hospital roof tops.	The roof area use of an I-2 occupancy with a heli-stop poses a specific risk for fire and response. Requiring a fire restive rating of the penthouse walls facing the roof provides a defensible place for fire fighters to attack the fire. 2018 IBC changes section number to 412.7.3 Recommend TAG research NFPA 418 to see if it covers fire protection concerns
15	420.7	Adult Family Homes		Fix reference to ramp construction in 420.7.2. Reference should be 1012. 2018 IBC adds sections 420.7 Group I-1 assisted living (check errata)
16	420.7.1 15-015B	Submittal standards	Deletes state amendment	The intent was to have adult family homes treated as a single family residence per RCW 70.128.140
17	420.7.4	Smoke and CO alarm requirements	Removes specific reference to adult family homes, which are covered elsewhere in the code	Note that smoke alarms are not required in sleeping room in I-1 occupancies
18	420.7.5	Escape windows and doors		Consistent with licensing rules, no step or platform can be used to meet sill height
19	420.7.6	Fire apparatus access roads and water supply for fire protection	Deletes state amendment requiring access roads, reserved for the local authority.	
20	420.7.7	Grab bar general requirements	References ICC A117.1 to replace grab bar, stair and handrail requirements, sections 420.7.7 through 420.7.9.	Reference to ANSI A117.1 re-inserted in 2015. Inconsistent with AFH under the IRC, where grab bar provisions are customized to address existing homes

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				being converted to AFH, and to address elderly population
21	420.7.8	Shower stalls	Renumbered	
22	420.8 15-095	Licensed care cooking facilities	State amendment allows kitchens to open to a corridor under certain conditions in Group I-1 Condition 2 assisted living & residential treatment facilities 2018 IBC adds section 420.8 Group I-1 cooking facilities	Adds a provision that allows ALFs and RTFs to deal with cooking spaces open to the corridor. This is one of the “cultural changes” that have been broadly adopted by NFPA and IBC as well as the federal programs for medicare reimbursement. Residents have been proven to have better overall health and outcomes if they are housed in a residential like environment, with ready access to communal spaces for participating in daily living activities. It appears as though this amendment is now obsolete. Recommend deletion
23	422.3.1 15-112	Means of egress	Allows a staged evacuation in ambulatory care facilities	2018 IBC chapter 10 cross reference modified It appears as though this amendment is now obsolete. Recommend deletion
24	427.1 15-044	Electric vehicle charging infrastructure	New section. Requires minimum number of parking spaces in new construction in Group B, R-1, R-2	SBCC Interps 16-09 16-10 2018 IBC adds new sections 427 med gas and 428 Higher Ed labs Recommend renumbering this section and adding interpretation language to amendment
25	503.1 15-004	General	Portions of a building separated by one or more fire walls are considered separate buildings for the purpose of height and area.	Also amends 706.1 Covered in the 2018 IBC The amendment appears to have been incorporated into the 2018 IBC. Recommend deleting this amendment
26	504.4.1 14-001B	Stair enclosure pressurization increase	2015 amendment defines legally required standby power, adds reference to NEC.	Allows an increase in number of stories for Type VA construction Based on recent interpretation recommend adding language to this section stating that Groups A,B and M are also allowed in the Group R-1 or R-2 building
27	505.2.1 15-037 505.2.1.1 15-037 505.3.1 15-037	Area limitation Aggregate area of mezzanines & equipment platforms Area limitation	Corrects language related to equipment platforms Provides equipment platform requirements Mezzanine area limits determination	Revised in the 2018 code The amendment language appears to have been incorporated into the 2018 IBC. Recommend deleting the amendment
28	Table 509	Incidental uses	2012 amendment log# 12-020	Correlation with NFPA 70 National Electrical Code 2018 IBC adds language based on current NFPA 70 Recommend deleting the amendment
29	510.2 15-099	Horizontal building separation distance Horizontal building separation allowance	Continued use of podium buildings for licensed care in certain circumstances	Licensed care? This section allows a 3-hour horizontal fire barrier to create separate buildings
30	706.1 15-004	General	Modifies the charging language to clarify separation of buildings.	Covered in the 2018 code Recommend deleting the amendment
31	716.5.9 15-094	Door closing.	Adds exception for certain Group I – Condition 2 assisted living facilities	Automatic fire door closers
Chapter 9–Fire Code				

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32	903.2.1.6 [F] modified by TAG review	Assembly occupancies on roofs	All levels of the building must be sprinklered throughout— amendment clarifies new 2015 model code amendment	Revised to require all floors in the building to be sprinklered, vs, only to main level of egress. [6/11/15 FIRETAG report][FIRETAG discussion 2/23/15;4/17/15]
33	903.2.1.8	Nightclub	RCW 19.27.500	Nightclubs defined; sprinklers required.
34	903.2.3 [F] 15-006B	Group E	Change 'occupancies' to Group E fire areas; new exceptions for Group E sprinkler requirements	
35	903.2.6 [F] 15-150B	Group I	New amendment for Group I sprinklers – modifies exceptions	
36	903.2.7	Group M	Minor amendment to condition #4	Language is in the IBC. Recommend deleting this amendment
37	903.2.11.3	Specific building areas	Basements.	
38	903.2.11.7 [F] 15-051	Relocatable buildings	Buildings within buildings	Provisions for sprinkler systems to protect portable buildings or job shacks. These buildings, if provided with a roof or ceiling obstructing the coverage of the overhead sprinkler system, should have the same coverage requirements that are given to any other object creating an obstruction from the overhead system.
39	903.3.5.3 [F] 15-055	Water supply piping	Underground piping	Through RCW 18.160 and WAC 212.80 Washington State requires specific licensing for fire sprinkler contractors. These rules break licensing down into categories based on the standard used for a specific fire sprinkler design. I.E. Level 3 contractors are allowed to design and install systems designed to NFPA 13, 13R and 13D, and specialized systems, whereas Level 2 contractor are only allowed to design and install systems designed to NFPA 13R or 13D. Additionally there is a license for underground piping only where the system is designed by a separate entity, such as a professional engineer or an appropriately licensed fire sprinkler contractor. The Level U contractor installs the piping per the direction of the other entity.
40	907.2.3	Group E	Provides alternate to emergency voice /alarm communication system meeting safe school criteria	2017 rule making
41	907.2.6	Group I	Modifies language related to fire alarms in Group I-1 & I-2 care facilities	It appears as though Chapter 9 has fixed this section. Recommend discussing deletion of this amendment
42	907.2.6.1	Group I-1	New section; Automatic smoke detection for Group I-1 exceptions	Correction to section reference The code appears to reference the correct

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				section. Recommend deletion of this amendment
43	907.2.6.4 [F] 15-150B	Group I-4 occupancies	Modifies current state amendment regarding requirements and exceptions for Group I-4 manual fire alarm systems	
44	907.5.2.1.2	Maximum sound pressure	New section sets minimum/maximum limits for audible alarm notification appliances	
45	907.10	NICET	New sections 907.10.1 through 907.10.3 set standards for certification for fire alarm systems	Effective date revised to July 1, 2018
46	909.21.12&13	Hoistway venting, machine rooms	Added measures for pressurized elevator shafts.	
47	915.1 [F]15-092	Carbon monoxide detection	Moved/modified from 51-50-0908	RCW 19.27.530
Chapter 10 Building Code				
48	1004.2	Increased occupant load	Refers to occupant load for licensed day care	This same language is found in IBC Section 1004.5.1. Recommend deleting this amendment
49	1006.2.2.6 15-005	Electrical equipment rooms	Specifies certain electrical rooms/means of egress	Coordination with NEC re: 2 nd exit for electrical equipment rooms. TAG revisions add 1010.1.10 amendments Section number is incorrect. Recommend renumbering this to another subsection such as 1006.2.2.1.1
50	1009.1	Accessible means of egress	Exception for parking garages	Parking garage levels without accessible spaces are not required to be accessible and therefore do not need accessible egress. This amendment is redundant. Recommend considering deletion.
51	1009.8	Two way communication	Clarifies exception 2	
52	1009.8.1	System requirements	Deletes reference to 911, adds battery back-up	
53	1010.1.9.3	Locks and Latches	Item 6 allows delayed egress in licensed Group I-1 condition 2 assisted living	Correct code section is 1010.1.9.4. This amendment is redundant (See IBC Section 1010.9.7). Recommend deletion
54	1010.9.6	Controlled egress	Allows a keypad in Group I-1 and I-2	This amendment is redundant (See IBC Section 1010.9.7). Recommend deletion
55	1010.1.10	Panic hardware	Electrical room egress moved to 1006.2.2 egress based on use	
56	1010.1.10.3	Electrical Room Clearance	Related to 15-005 Electrical room egress	
57	1011.17	Stairs in dwelling units	Allows a ladder to lofts under 200 sq ft	
58	1012.1	Ramps	Vehicle ramps included in a second means of egress	Very similar to existing IBC language. Recommend review of this amendment to see if it is necessary.
59	1020.5	Air movement in corridors	Item 6 allows air to corridors independent of air to residential units	

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60	1028.4.1 15-007	Width or capacity	Amendment deletes model code related to gradual reduction of egress court width	This amendment deletes an outdated and unused code requirement for egress courts. The concept of using a 36" tall guardrail to "herd" occupants toward the exit when the egress court exceeds the minimum required width does nothing to improve the safety of occupants. Change in the 2018 IBC appears to make this amendment unnecessary. Recommend repeal of this amendment.
Chapter 11 Accessibility				
61	1101.2.1 ICC A117.1 Section 403.5	Clear width of accessible route	Amends outdoor routes to 44 inches width minimum	2017 A117.1 amends exterior width to 48 inches Recommend repeal of this amendment
62	1101.2.2 ICC A117.1 Section 404.2.8	Door opening force	Item 3 added to address exterior door opening force and allow automatic doors as an alternate	
63	1101.2.3 ICC A117.1 Section 407.4.6.2.2	Arrangement of elevator car buttons	Arrangement of elevator buttons is prescribed.	This is redundant. Recommend repeal of this section.
64	1101.2.4 ICC A117.1 Section 606.7	Operable parts	Adds a section to A117.1 to include drying equipment and dispensers	
65	1101.2.5 ICC A117.1 Section 604.6	Flush controls	Adds a maximum height above the floor of 44 inches	
66	1101.2.6 ICC A117.1 Section 706.3.1	International Symbol of Accessibility	Specifies color, white on blue background, as required by RCW.	
67	1106.6	Parking, Location	Amendment requires marking where path crossing vehicular way	
68	1107.6	Group R	Amendment requires apportioning units	
69	1107.6.2.2.1	Type A units	Specifies bedrooms in monasteries and convents to be counted as sleeping units for certain purposes	This amendment has been incorporated into the 2018 IBC. Recommend repeal
70	1107.6.2.3	Group R-2 other than live/work units, apartment houses, monasteries and convents		
Chapter 12				
71	1203.1	Ventilation	Adds a reference to the mechanical code for ambulatory care facilities	Ventilation is now Section 1202
72	1203.2	Attic spaces	Requires ceiling vapor retarder in all climate zones to permit use of 1/300 area of space ventilated	Ventilation is now Section 1202
73	1203.3	Unvented attic and unvented enclosed rafter assemblies	Insulation R value minimums are specified in place of Table 1203.3	Ventilation is now Section 1202

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74	1203.4	Underfloor ventilation	Adds a ground cover requirement	Ventilation is now Section 1202
75	1203.5	Natural ventilation	Scope amended consistent with state required mechanical ventilation in Group R	Ventilation is now Section 1202
76	1203.6	Radon construction standards		
77	1203.7	Other ventilation and exhaust systems	Model code section renumbered	Ventilation is now Section 1202
78	1204.1	Equipment and systems	Exception 3 exempts Group R-1	Heating is now Section 1203
79	1204.2	Heating	State requirements for solid fuel burning appliances	Heating is now Section 1203
80	1208.3	Room Area	Sloped ceiling measurement	This is in Section 1207.2. Recommend repeal
81	1403.2	Weather protection	Air space cavity not required	Section is now 1402.
82	Table 1607.1	Minimum uniformly distributed live loads, L_o , and minimum concentrated live loads	Revises live loads for balconies to be consistent with national standards	This is now consistent with ASCE-7-10. Recommend repeal
83	1702.1	Definitions	Definitions referenced from Chapter 2, state amendment adds a definition of small business	There is no longer a definitions section in Chapter 17. Recommend moving this amendment to new Section 1701.2 or other appropriate place
84	1709.5	Exterior window and door assemblies	Renumbered from 1710.5	Exempts from structural testing custom windows made by small business
85	2107.2.1	Lap splices	Sets a maximum length of lap length	Requested by NMCMA This change is in the 2018 IBC. Recommend repeal
86	2111.8 2111.8.1	Fireplaces Lintel and throat	IAQ amendment requires outside combustion air, tight fitting doors	
87	2114	Emission standards Factory Built Fireplaces	OAQ amendment to meet ECY standards	
88	2405.3	Sloped glazing and skylights. Screening	Item 5 amended to allow no screen for specified conditions, to apply all occupancies	
89	2407.1.1	Glass in handrails and guards. Loads	Safety factor language edited for clarity	This language is in the 2018 IBC. Recommend repeal
90	2407.1.2	Structural glass baluster panels	Hand rails required for certain guards	This language is in the 2018 IBC. Recommend repeal
91	2603.10	Wind resistance	Allows option for compliance standard	"and" changed to "or"
Chapter 29 Plumbing Systems				
92	2901.1 2901.2	Scope Health codes	Reference amended to state plumbing code (UPC). Reference added to health codes.	WA maintains revised chapter on plumbing fixtures, originally adopted in 1991 based on UW study of "Potty Parity"
93	2902.1	Minimum number of fixtures	Amendment modifies occupancy determination and allows no fixtures in unoccupied buildings	

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94	2902.1.1.1	Private Offices	Deducts private fixtures from required fixture count	
95	2902.1.1.2	Urinals	Amendment replaces reference to IPC in Table 2902.1	
96	2902.2	Separate facilities	Separate bathroom facilities not required for drinking/dining with an occupant load of 30 or fewer	
97	2902.3.1	Access	Adds health provisions, addresses multiple tenants, references chapter 11	
98	2902.5	Drinking fountain location	Prohibits drinking fountains in toilet rooms	
99	2902.5.1 2902.5.2 2902.5.3	Drinking fountain number Multistory buildings Penal institutions	Specifies required number of drinking fountains, replaces column in table and reference to IPC	
100	2902.5.4	Bottle filling stations	New section. Requires Group E with occupant load over 30 to provide bottle filling stations on each floor	
101	2902.6	Dwelling units	Requires a kitchen sink in dwellings, as covered in IPC	
102	2902.7	WC space required		
103	2902.8	Water	Hot and cold required	
104	Table 2902.1	Minimum number of required plumbing fixtures.	Footnote e prescribes occupant load for schools	
	WAC 51-50-3001	Reserved	WAC needs correction—delete section 3002	
105	3002.4	Elevator car to accommodate ambulance stretcher	Modifies 3002.4 to provide that buildings with elevators having four or more stories above or below grade must accommodate certain ambulance stretchers in R-1, R-2, or I occupancies	
106	3005.2	Machine room Venting	Provides criteria for cooling load and an exception for buildings four stories or less	Amendment negotiated in 1997 with L&I and HVAC industry to provide an alternative to machine room A/C
107	3009.1	Hoistway venting Vents required	AHJ over conveyance, L&I- can require hoistway venting	This section was dropped from the model code
108	3103.1	Temporary structures	Provides an exception for unheated tents and yurts	
109	3109.1	Swimming pools, spas and hot tubs	Requires residential pools, spas and hot tubs to comply with the International Swimming Pool and Spa Code. Public pools regulated by WAC 246-260.	
2015 International Existing Building Code				

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110	101.4.2	Buildings previously occupied	“unsafe” building	Reference to unsafe buildings added with limits
111	101.6	Appendices	Appendix A adopted statewide	
112	403.1	Alterations - General	Allows a 7 foot ceiling height in existing dwelling units	
113	407.1	Change of occupancy - Conformance	Allows the use of Chapter 10 to evaluate risk	
114	409.1	Moved structures - Conformance	Requires compliance with all codes adopted by Washington state for new buildings when buildings are moved into any jurisdiction; except Group R-3 single family buildings	
115	410.6	Accessibility - Alterations	Deletes reference to change of occupancy in exception #4	
116	410.8.10 705.1.9	Toilet rooms	Allows reduction in number of required plumbing facilities to provide access	8/17- Moses Lake request- Number of rooms or facilities?
117	705.1.5	Accessibility - Dining areas	Section not adopted	
118	708.1 811.1 908.1	Energy conservation	Compliance required with WSEC for Level 1 & 2 & 3 alterations	
119	906.2	Type B dwelling or sleeping units	Eliminates exception for buildings occupied prior to 1991.	
120	907.4.1	Structural Evaluation and analysis	Requires engineering evaluation for certain structures assigned to Seismic Design Category D. Updates benchmark standard	
121	1201.1	Historic buildings – general	Encourages cost effective preservation of historic buildings	
122	1203.9	Stairway railings	Describes stairways as “historically significant” instead of “grand”	
123	1204.1	Accessibility	Determination of historic significance made by professional responsible for the project, not the code official	
124	1205.10	One hour assemblies	Adds reference to metal lath	
125	1205.14	Natural Light	Determination of historic significance made by professional responsible for the project, not the code official	
126	1301.2 1302	Relocated or moved buildings – Scope and Requirements	Requirements for relocated or moved structures; includes relocatable buildings	
127	WAC 51-50-490000	Appendix N – Solar readiness	New section, not effective unless adopted by the local jurisdiction. Requires solar zones on certain structures; allows exceptions	