

Washington State Building Code Council • Code Change Cycle 2021 Group 1 2021 International Building Code Review Worksheet

2021 Code Section	2018 Code Section	Title or Subject	Reviewer Comments	Costs (Y/N)	Amend Needed (Y/N)	TAG Comments/ Recommendation
Chapter 9 Fire Protection and Life Safety Systems (Corey Thomas)						
901.1	901.1	Scope	Added the wording 'and Life Safety Systems'	N	N	
902.2	902.2	Fire Protection Systems	Added the wording 'and Life Safety Systems'	N	N	
903.2.4.2	New	Group F-1 distilled spirits	Sprinklers now required for distilled spirits manufacturing	Y	N	
903.2.4.3	903.2.4 Item 4	Group F-1 upholstered furniture or mattresses	Relocated and clarified that the threshold is a <u>fire area</u> of 2,500 square feet	N	N	
903.2.7.2	903.2.7 Item 4	Group M upholstered furniture or mattresses	Relocated and clarified that the threshold is a <u>fire area</u> of 5,000 square feet	N	N	
903.2.9.3	New	Group S-1 distilled spirits or wine	Sprinklers now required for bulk storage of distilled spirits or wine; no square footage established. No definition of 'bulk storage' established.	Y	Y	My opinion that this is poorly written and needs clarification. Why is wine added to this section and not 903.2.4.2?
904.2.9.4	903.2.9.3	Group S-1 upholstered furniture or mattresses	This was our Washington State Amendment that is now in the code. Clarifies the 2,500 square feet as a <u>fire area</u> .	N	N	
903.2.10	903.2.10 Item 1	Group S-2 parking garages	Added a reference to Section 406.6 (requirements for enclosed parking garages)	N	N	
903.2.10	903.2.10 Item 2	Group S-2 parking garages	Added a reference to Section 406.6 (requirements for enclosed parking garages)	N	N	

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903.2.10 Item 3	New	Group S-2 parking garages	Open parking garages exceeding 48,000 square feet now requires sprinklers.	Y	N	
903.2.10.2	New	Mechanical access parking garages	Requires sprinklers for this relatively new type of occupancy/hazard.	Y	N	
903.2.11.6	903.2.11.6	Other required fire protection systems	Change of wording from 'suppression' to 'fire protection'	N	N	
Table 903.2.11.6	Table 903.2.11.6	Other required fire protection systems	Change of wording from 'suppression' to 'fire protection'	N	N	
Table 903.2.11.6	Table 903.2.11.6	Other required fire protection systems	Changed of wording to delete the word 'Children's' from in front of 'Play Structures'	N	N	
903.3.1.2	903.3.1.2	NFPA 13R fire sprinkler systems	Now limits 13R systems to 30 feet floor level, limit was 60 feet floor level previously.	Y	N	
903.3.1.2.2	903.3.1.2.2	Corridors and balconies in the means of egress	Clarifies when corridors and egress balconies are required to be sprinklered in NFPA 13R structures.	N	N	
903.3.1.2	903.3.1.2	Attics	Added a reference to fire department access requirements in Section 503.	N	N	
903.3.2	903.3.2	Quick response and residential sprinklers	Added a sprinkler requirement for Group I-2 (hospitals, nursing homes, etc) for smoke compartments that contain gas burning fire places or gas appliances.	N	N	They will have this type of sprinkler head most of the time anyway.
903.4	903.4.1	Sprinkler system supervision and alarms	Relocated requirement only.	N	N	
904.12	904.14	Aerosol fire extinguishing systems	Relocated requirement only.	N	N	
904.14	904.13	Domestic cooking facilities	Name change from 'Domestic cooking systems'	N	N	
905.3.8	905.3.8	Landscaped roofs	Name change from 'Rooftop gardens and landscaped roofs'			

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906	906	Portable fire extinguishers	Added an Exception 3, no fire extinguishers required in Group S and Group U if the forklifts/tractors have fire extinguishers on them.	N	N	
907.2.2	907.2.2	Group B	Added 'which activates the occupant notification system in accordance with Section 907.5'	N	N	
907.2.3	907.2.3	Group E	Changed 'is not' to 'shall not' and added Item 3.4 option for 'Manual activation is provided from a normally occupied location'.	N	N	
907.2.10	New	Group S	Now requires a manual fire alarm system for public storage buildings 3 story or higher if not fire sprinklered.	Y	N	Small impact as most of these will be sprinklered.
907.2.13.2	907.2.12.2	Fire department communication	Added option for 'in building 2-way communication system' instead of 'emergency responder radio system' only.	N	N	
907.2.23	907.2.23	Energy storage systems	Added option for 'radiant energy detection systems'.	N	N	
907.4	907.4	Initiating devices	Mostly a relocation of items from 907.5	N	N	
907.4.2.4	907.4.2.4	Signs	Clarification by adding the word 'approved' supervisory station.	N	N	
907.5	907.5	Occupant notification	Mostly a reorganization of the section.	N	N	
907.5.2.1.2	907.5.2.1.2	Maximum sound pressure	Changes the minimum pressure of '95' to '105'.	N	N	
907.5.2.1.3	New	Audible signal frequency in Group R-1 and R-2 sleeping rooms.	Adds the low frequency requirements to the code, instead of just having them in NFPA 72.	N	N	
907.5.2.3	907.5.2.3	Visible alarms	Added a design alternative for Group I-2, condition 2 for a strobe only located at the nursing station.	N	N	
907.5.2.3.3	907.5.2.3.3	Group R-2	Added the word 'future'	N	N	
907.5.2.3.3.1	New	Wired equipment	Clarifies 'future' wiring requirements.	N	N	

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907.6.4.2	907.6.4.2	High rise buildings	Changed 'fire detection or suppression systems' to 'fire protection systems'.	N	N	
907.6.6.1	907.6.6.1	Transmission of alarm signals	Monitoring it yourself is not permitted unless approved.	N	N	
908.3	New	Fire alarm system interface	Clarifies emergency alarm system signals shall be only supervisory alarms on the fire alarm panel.	N	N	
909.17	909.17	System response time	Added a 90 second time limit for smoke control units to achieve proper operating state.	N	N	
909.20	909.20	Smokeproof enclosures	Added 'pressurized stairway or entrance vestibules' as a new design option.	N	N	
909.20.6	New	Smokeproof enclosures	Added 'pressurized stairway or entrance vestibules' as a new design option.	N	N	
910.3.4	New	Ventilation operation	Added a new alternate method.	N	N	
910.3.5	New	Fusible link temperature rating	Clarifies fusible link temperature requirements.	N	N	
911.1	911.1	Fire command center	Now required for Group F-1 and S-1 over 500,000 square feet.	Y	N	Not a lot of these built to this size.
911.7	new	Fire command center	Signage required.	N	N	
913.1	913.1	Fire pumps	Clarifies fire pump requirements.	N	N	
913.2.2	913.2.2	Circuits supplying fire pumps	New 4 th option here.	N	N	
918	918	Emergency Responder communication coverage	Editorial change.	N	N	