

## **Section 1**      **ADOPTION** of the 2018 INTERNATIONAL FIRE CODE

There is hereby adopted, for the purpose of prescribing regulations governing conditions hazardous to life and property from fire, hazardous materials and explosion, that certain Code known as the International Fire Code, 2018 Edition, including Appendix Chapters B, C, D, E, F, G, H, I, J, K, M, N, and P, published by the International Code Council, by Section 2 of this resolution (the “*International Fire Code*”).

## **Section 2**      **AMENDMENTS**

1.      102.4 Amend this section to read **Application of Building Code.** The design and construction of new structures shall comply with the *International Building Code* or *International Residential Code* and the *International Fire Code*, and any alterations, additions, changes in use or changes in structures required by this code, which are within the scope of the *International Building Code* or *International Residential Code*, shall be made in accordance therewith.
2.      102.7 Amend this section to read **Referenced codes and standards.** The codes and standards referenced in this code shall be the most currently published edition of those that are listed in Chapter 80, and such codes and standards shall be considered part of the requirements of this code to the prescribed extent of each such reference and as further regulated in Sections 102.7.1 and 102.7.2.
3.      105.1.2 Amend item #2 to read. **Types of permits.** 2. Construction permits. A construction permit allows the applicant to construct, enlarge, alter, repair, move, demolish, or change the occupancy of a building or structure, the likes of which are regulated by this code. A construction permit also allows the applicant to install or modify systems and equipment for which a permit is required by Section 105.7.
4.      105.4.1 Amend this section to read **Submittals.** *Construction documents* and supporting data shall be submitted with each application for a permit and in such form and detail as required by the *fire code official*. The *construction documents* shall be prepared by a registered design professional where required by the jurisdiction in which the project is to be constructed.
5.      105.6.30 Amend this section to read **Mobile food preparation vehicles.** A permit is required for mobile food preparation vehicles equipped with appliances.
6.      105.6.32 Amend this section by removing the Exception **Open Burning.** An operational permit is required for the kindling or maintenance of an open fire or a fire on any public street, alley, road, or other public or private ground. Instructions and stipulations of the permit shall be adhered to.  
**Exception: Recreational fires**
7.      105.7 Amend this section to read **Required Construction Permits.** The fire code official is authorized to issue construction permits for work, or the likes of which are regulated by this code, and as set forth in Section 105.7.1 through 105.7.26.
8.      105.7.25 Amend this section to read **Temporary membrane structures and tents.** A construction permit is required to erect an air-supported temporary membrane structure, a temporary stage canopy or a tent having an area in excess of 200 square feet (18.58 m<sup>2</sup>).

9. 105.7.26 Add the following section **Wildfire Mitigation.** The holder of a construction permit is required to perform defensible space requirements of Appendix P that do not fall under a voluntary wildfire mitigation program.

10. 109.1.1 Add the following section **Procedures.** To request a hearing before the board of appeals, the applicant shall file a request in writing to the fire chief. The fire chief shall arrange for the board of appeals to meet within 10 working days from the receipt of the request. All applicable fees as stated in the fire district or fire authority fee schedule shall be paid at the time the written request is made.

11. 109.3 Amend this section to read **Qualifications.** The board of appeals shall consist of members who are qualified by experience and training to pass on matters pertaining to hazards of fire, explosions, hazardous conditions, or fire protection systems.

12. 110.4 Amend this section to read **Violation penalties.** Persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter, repair or do work in violation of the approved construction documents or directive of the fire code official, or of a permit or certificate used under the provisions of this code, shall be guilty of a misdemeanor, punishable by a fine or by imprisonment, or both such fine and imprisonment as determined by the court. Each day that a violation continues after due notice has been served shall be deemed a separate offense.

13. 112.4 Amend this section to read **Failure to comply.** Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable for a fine as determined by the court and shall be subject to a fee as adopted by the fire district.

14. Amend or add the following definitions:

**CONTROLLED BURNING.** Any fire intentionally ignited to meet specific land management objectives, such as to reduce flammable fuels, restore forest or ecosystem health, recycle nutrients, or prepare an area for new trees or vegetation. Controlled burning may also be known by the terms “Prescribed Burning” or “Pile Burning.”

**DEFENSIBLE SPACE.** The selection, location, grouping, and maintenance of vegetation on the property in such a manner that the opportunity for fire to burn directly to a structure is minimized.

**FIRE AREA.** The aggregate floor area enclosed and bounded by fire walls meeting the requirements of Section 706 of the International Building Code and exterior walls or horizontal assemblies of a building. Areas of the building not provided with surrounding walls shall be included in the fire area if such areas are included within the horizontal projection of the roof or floor above. For buildings constructed under the *International Residential Code*, the fire area is the aggregate floor area enclosed and bounded by exterior walls of a building.

**FIREWISE® LANDSCAPING** is defined as trees, shrubs, and other materials which meet the criteria for fire resistant landscaping.

**GROUND FUELS.** All combustible materials on, in or near the ground such as grass, duff, loose surface litter, tree or shrub roots, rotting wood, leaves, peat, or sawdust that typically support combustion.

**MITIGATION.** Action that moderates the severity of a fire hazard or risk.

**MOBILE FOOD PREPARATION VEHICLES.** Vehicles that contain cooking equipment for the purpose of preparing and serving food to the public. Vehicles intended for private recreation shall not be considered mobile food preparation vehicles.

**MOBILE FUELING.** The operation of dispensing liquid fuels from tank vehicles into the fuel tanks of vehicles. Mobile fueling may also be known by the terms “Mobile fleet fueling,” “Wet fueling,” “Wet hosing,” or “Hot fueling.”

**PERMANENT OUTDOOR FIREPLACE OR FIRE RING.** A permanently constructed feature with a screen that prevents ember emissions and without air gaps in surrounding sides and a solid bottom, or earthen bottom free of roots and other organic material, used to contain campfires and prevent them from spreading and turning into wildfires.

**PORTABLE OUTDOOR FIREPLACE OR CHIMINEA.** A commercially designed and manufactured device with a screen that prevents ember emissions and is placed on a surface barren of combustible materials

**RECREATIONAL FIRE.** An outdoor fire on private land contained to a commercially designed and manufactured fireplace, a permanent outdoor fireplace or fire ring, or a portable outdoor fireplace that is assembled, located, and operated in accordance with the manufacturer’s or designer’s instructions. The fire shall not exceed a total fuel area of 3 feet (914 mm) or less in diameter and 2 feet (610mm) or less in height. A solid fuel source such as wood-or charcoal-must be used and the fire is intended for pleasure, religious, ceremonial, cooking, warmth or similar purposes. Recreational fires shall not be used for the purpose of waste removal or trash incineration.

**STRUCTURE IGNITION ZONE.** The area around a specific structure and associated accessory structures, including all vegetation that contains potential ignition sources and fuels.

**TREE CROWN.** The needle or leaf bearing part of a tree. The crown edge is the tree’s drip edge.

**WILDLAND-URBAN INTERFACE.** An area where wildland fuels abut structures, with a clear line of demarcation between residential, business, and public structures and wildland fuels.

**OCCUPANCY CLASSIFICATION.**

**Institutional Group I-1 – Five or fewer persons receiving care.** A facility such as the above with five or fewer persons receiving such care shall be classified as Group R-3 or shall comply with the International Residential Code provided an automatic sprinkler system is installed in accordance with Section 903.3.1.3.

**Institutional Group I-2 - Five or fewer persons receiving care.** A facility such as the above with five or fewer persons receiving such care shall be classified as Group R-3 or shall comply with the International Residential Code provided an automatic sprinkler system is installed in accordance with Section 903.3.1.3.

**Residential Group R-3 – Care facilities within a dwelling.** Care facilities for five or fewer persons receiving care that are within a single-family dwelling are permitted to comply with the International Residential Code provided an automatic sprinkler system is installed in accordance with Section 903.3.1.3.

15. 304.1.2 Amend this section to read **Vegetation.** Weeds, grass, vines or other growth that is capable of being ignited and endangering property, shall be cut down and removed by the owner or occupant of the premises. Vegetation clearance requirements in urban-wildland interface areas shall be in accordance with Appendix P, local codes, policies, and ordinances.

16. 304.3.3 Amend to add Exception #3. **Capacity exceeding 1.5 cubic yards.** 3. Storage in a structure shall not be prohibited where the structure is in compliance with local codes, policies, and ordinances as mandated by the authority having jurisdiction.

17. 304.3.4 Amend to add Exception #3. **Capacity of 1 cubic yard or more.** 3. Storage in a structure shall not be prohibited where the structure is in compliance with local codes, policies, and ordinances as mandated by the authority having jurisdiction.

18. 307.4.3 Amend this section by removing the Exception. **Portable outdoor fireplaces used at one- and two-family dwellings.**

19. 308.1.4 Amend this section and exception #3 and add exception #4 to read. **Open-flame cooking devices.** Charcoal burners, wood pellet burners, and other open-flame cooking devices shall not be operated on combustible balconies or within 10 feet (3048 mm) of combustible construction. 3. LP-gas cooking devices having LP-gas container with a water capacity not greater than 2-1/2 48 pounds [nominal 20 pounds (9.1 kg) LP-gas capacity]. 4. Where a more restrictive code, policy, ordinance, or covenant exists.

20. 311.2.2 Amend exception #3 to read. **Fire protection.** 3. 3. Where approved by the fire code official, fire alarm and sprinkler systems are permitted to be placed out of service in seasonally occupied buildings: that will not be heated, where fire protection systems will be exposed to freezing temperatures, where fire areas do not exceed 6,000 square feet (557.42 m<sup>2</sup>), and/or that do not store motor vehicles or hazardous materials.

21. 315.3 Amend this section to read **Storage in buildings.** Storage of materials in buildings shall be orderly and stacks shall be stable. Storage of combustible materials shall be separated from heaters or heating devices by distance or shielding so that ignition cannot occur. Storage room doors shall be provided with approved signs.

22. 315.3.1 Amend exceptions #1 and #2 to read. **Ceiling clearance.** 1. The 2-foot (610 mm) ceiling clearance is not required for storage along walls in nonsprinklered areas of buildings where the storage does not exceed 30-inches (762 mm) in depth. 2. The 18-inch (457 mm) ceiling clearance is

not required for storage along walls in areas of buildings equipped with an automatic sprinkler system in accordance with Section 903.3.1.1, 903.3.1.2 or 903.3.1.3 where the storage does not exceed 30-inches (762 mm) in depth.

23. 315.3.3 Amend this section to read **Equipment rooms**. Combustible material shall not be stored in boiler rooms, mechanical rooms, electrical equipment rooms, and other rooms where a potential ignition source exists, as determined by the fire code official.

24. 319.1 Amend this section to read **General**. Mobile food preparation vehicles that are equipped with appliances shall comply with this section.

25. 319.4.1 Amend this section to read **Fire protection for cooking equipment**. Cooking equipment that produces smoke or grease-laden vapors shall be protected by automatic fire extinguishing systems in accordance with Section 904.12.

26. 319.8 Amend this section to read **LP-gas systems**. Where LP-gas systems provide fuel, such systems shall comply with Chapter 61 and Sections 319.8.1 through 319.8.5.

27. 403.12.3 Amend this section to read **Crowd managers**. Where facilities or events involve a gathering of 500 people or more, crowd managers shall be provided in accordance with Sections 403.12.3.1 through 403.12.3.3.

28. 403.12.3.1 Amend exceptions #1 and #2 to read **Number of crowd managers**. 1. Outdoor events with fewer than 500 persons in attendance shall not require crowd managers. 2. Assembly occupancies used exclusively for religious worship with an occupant load not exceeding 500 shall not require crowd managers.

29. 505.1 Amend this section to read **Address identification**. New and existing buildings shall have approved address numbers, building numbers or approved building identification placed in a position that is plainly legible and visible from the street or road fronting the property. These numbers shall contrast with their background. Where required by the fire code official, address numbers shall be provided in additional approved locations to facilitate emergency response. Address numbers shall be Arabic numerals or alphabet letters. Numbers shall be a minimum of 5 inches (127 mm) high, unless otherwise approved, with a minimum stroke width of .5 inch (12.7 mm). Where access is by means of a private road and the building cannot be viewed from the public way, a monument, pole or sign or means shall be used to identify the structure. Address numbers shall be maintained.

30. 508.1 Amend this section to read **General**. Where required by other sections of this code, buildings, structures, or facilities that are more than 4 stories (including basements) in height or are greater than 50,000 square feet (4645 m<sup>2</sup>) within surrounding exterior walls, and in all buildings classified as high-rise buildings by the International Building Code, a fire command center for fire department operations shall be provided and shall comply with Sections 508.1.1 through 508.1.6.

31. 508.1. Amend this section to read **Features**. A Fire Command Center shall be required in buildings, structures, or facilities that are more than 4 stories (including basements) in height or are greater than 50,000 square feet (4645 m<sup>2</sup>) within surrounding exterior walls. The fire command center shall be provided and comply with Sections 508.1.1 through 508.1.6.

32. 603.6.6 Add a section to read **Chimneys and Heating Appliances.** Chimneys and fireboxes for solid, fuel burning appliances shall be inspected annually by a qualified individual or company. They shall be inspected for soundness, corrosion, proper support, and freedom from combustible deposits. A certificate of inspection in a form acceptable to the fire code official shall be forwarded to the fire department upon completion.
33. 603.9 Amend this section to read **Gas and utility meters.** Above-ground gas and utility meters, regulators and piping subject to damage shall be protected by a barrier complying with Section 312 or otherwise protected in an approved manner. Gas and utility meters and piping shall be protected from snow & ice shedding from a roof area. Areas around gas and utility meters shall be kept clear of snow and ice build-up at all times.
34. 606.9 Add a section to read **Communication.** All elevators shall be equipped with two-way communication equipment and the equipment shall be operable at all times.  
**Exception:** One- and two-family dwellings
35. 701.2.2 Add section to read **Fire-resistance-rated labeling.** The fire-resistance rating shall be marked in an approved manner on the following fire resistance rated construction features: 1. Structural members 2. Exterior walls 3. Fire walls, fire barriers, fire partitions 4. Horizontal assemblies 5. Shaft enclosures
36. 701.3.1 Add section to read **Smoke barriers labeling.** The fire-resistance rating and smoke-resistant characteristics of smoke barriers shall be marked in an approved manner on the rated construction feature.
37. 803.13 Amend this section to read **Laminated products factory produced with an attached wood substrate.** Laminated products factory produced with or without an attached wood substrate shall comply with one of the following:
38. 901.4.2 Amend this section to read **Nonrequired fire protection systems.** A fire protection system or portion thereof not required by this code, the International Building Code, or the International Residential Code shall be installed throughout a building for complete protection provided that such installed system meets the applicable requirements of this code, the International Building Code, and the International Residential Code.
39. 901.4.3 Amend this section to read **Fire areas.** Where buildings, or portions thereof, are divided into fire areas so as not to exceed the limits established for requiring a fire protection system in accordance with this chapter, such fire areas shall be separated by fire walls constructed in accordance with the International Building Code or horizontal assemblies constructed in accordance with the International Building Code, or both, having a fire-resistance rating of not less than that determined in accordance with the International Building Code.
40. 901.7 Amend this section to read **Systems out of service.** Where a required fire protection system is out of service, the fire department shall be notified immediately and where required by the fire department, the building shall either be evacuated or an approved fire watch shall be provided for all occupants left unprotected by the shutdown until the fire protection system has been returned to service.

41. 901.9 Amend this section to read **Termination of monitoring services.** For fire protection systems required to be monitored by the authority having jurisdiction, notice shall be made to the fire code official whenever system monitoring services are terminated. Notice shall be made in writing, to the fire code official by the provider of the monitoring service being terminated.
42. 903.2.1 Amend this section to read **Group A.** An automatic fire sprinkler system shall be provided throughout buildings as Group A occupancies as provided in this section.
43. 903.2.1.1 Amend this section to read and delete conditions #3 and #4 **Group A-1.** **903.2.1.1 Group A-1.** An automatic sprinkler system shall be provided throughout buildings containing Group A-1 occupancies where one of the following conditions exists: 1. The fire area exceeds 6,000 square feet (557 m<sup>2</sup>). 2. The fire area has an occupant load of 50 or more.
44. 903.2.1.2 Amend this section to read and delete condition #3 **Group A-2.** An automatic sprinkler system shall be provided throughout buildings containing Group A-2 occupancies where one of the following conditions exists: 1. The fire area exceeds 5,000 square feet (464 m<sup>2</sup>). 2. The fire area has an occupant load of 50 or more.
45. 903.2.1.3 Amend this section to read and delete condition #3 **Group A-3.** An automatic sprinkler system shall be provided throughout ~~stories~~ buildings containing Group A-3 occupancies where one of the following conditions exists: 1. The fire area exceeds 6,000 square feet (557 m<sup>2</sup>). 2. The fire area has an occupant load of 50 or more.
46. 903.2.1.4 Amend this section to read and delete condition #3 **Group A-4.** An automatic sprinkler system shall be provided throughout buildings containing Group A-4 occupancies where one of the following conditions exists: 1. The fire area exceeds 6,000 square feet (557 m<sup>2</sup>). 2. The fire area has an occupant load of 50 or more.
47. 903.2.1.6 Amend this section to read and delete the exception **Assembly occupancies on roofs.** Where an occupied roof has an assembly occupancy with an occupant load exceeding 50 for Group A occupancies, an automatic sprinkler system shall be provided throughout the building in accordance with Section 903.3.1.1 or 903.3.1.2.
48. 903.2.1.7 Amend this section to read **Multiple fire areas.** An automatic sprinkler system shall be provided where multiple fire areas of Group A-1, A-2, A-3 or A-4 occupancies share exit or exit access components and the combined occupant load of these fire areas is 50 or more.
49. 903.2.2 Amend this section to read and delete the exception **Ambulatory care facilities.** An automatic sprinkler system shall be installed throughout the entire building containing an ambulatory care facility where either of the following conditions exist at any time:  
1. Four or more care recipients are incapable of self-preservation.  
2. One or more care recipients that are incapable of self-preservation are located at other than the level of exit discharge serving such a facility.
50. 903.2.3 Amend conditions #1 and #3 to read and delete the exception **Group E.** An automatic sprinkler system shall be provided for Group E occupancies as follows:  
1. Throughout all Group E fire areas greater than 6,000 square feet (557 m<sup>2</sup>) in area.  
3. The Group E fire area has an occupant load of 50 or more.

51. 903.2.4 Amend this section and conditions #1, #2, #3, and #4 to read **All Group F**. An automatic sprinkler system shall be provided throughout all buildings containing a Group occupancy where one of the following conditions exists: 1. A Group F fire area exceeds 6,000 square feet (557 m<sup>2</sup>). 2. A Group F fire area is located more than two stories above grade plane. 3. The combined area of all Group F fire areas on all floors, including any mezzanines, exceed 6,000 square feet (557 m<sup>2</sup>). 4. A Group F occupancy used for the manufacture of upholstered furniture or mattresses exceeds 2,500 square feet (232 m<sup>2</sup>).
52. 903.2.6 Amend exception #3 to read **Group I**. 3. In buildings where Group I-4 day care is provided on levels other than the level of exit discharge, an automatic sprinkler system in accordance with Section 903.3.1.1 shall be installed.
53. 903.2.7 Amend conditions #1, #2, and #3 to read **Group M**. 1. A Group M fire area exceeds 6,000 square feet (557 m<sup>2</sup>). 2. A Group M fire area is located more than two stories above grade plane. 3. The combined area of all Group M fire areas on all floors, including any mezzanines, exceeds 6,000 square feet (557 m<sup>2</sup>).
54. 903.2.9 Amend conditions #1, #2, and #3 to read **Group S-1**. 1. A Group S-1 fire area exceeds 6,000 square feet (557 m<sup>2</sup>). 2. A Group S-1 fire area is located more than two stories above grade plane. 3. The combined area of all Group S-1 fire areas on all floors, including any mezzanines, exceeds 6,000 square feet (557 m<sup>2</sup>).
55. 903.2.9.1 Amend conditions #1 and #2 to read **Repair garages**. 1. Buildings having two or more stories above grade plane, including basements, with a fire area containing a repair garage exceeding 6,000 square feet (557 m<sup>2</sup>). 2. Buildings not more than one story above grade plane, with a fire area containing a repair garage exceeding 6,000 square feet (557 m<sup>2</sup>).
56. 903.2.9.2 Amend this section to read **Bulk storage of tires**. Buildings and structures where the area for the storage of tires exceeds 10,000 cubic feet (283 m<sup>3</sup>) shall be equipped throughout with an *automatic sprinkler system* in accordance with Section 903.3.1.1.
57. 903.2.10 Amend condition #1 to read **Group S-2 enclosed parking garages**. 1. Where the fire area of the enclosed parking garage exceeds 6,000 square feet (557 m<sup>2</sup>).
58. 903.2.11.1 Amend this section to read **Stories without openings**. An automatic sprinkler system shall be installed throughout all buildings, where the floor area of the story exceeds 1,500 square feet (139 m<sup>2</sup>) and where the story does not comply with the following criteria for exterior wall openings:
59. 903.2.11.1.2 Amend this section to read **Openings on one side only**. Where openings in a story are provided on only one side and the opposite wall of such story is more than 75 feet (22 860 mm) from such openings, the building shall be equipped throughout with an approved automatic sprinkler system, or openings shall be provided on not fewer than two sides of the story.
60. 903.2.11.1.3 Amend this section to read **Basements**. Where any portion of a basement is located more than 75 feet (22 860 mm) from openings required by Section 903.2.11.1, or where walls,



partitions or other obstructions are installed that restrict the application of water from hose streams, the building shall be equipped throughout with an approved automatic sprinkler system.

61. 903.2.11.3 Delete exceptions #1 and #2 **Buildings 55 feet or more in height.**

62. 903.2.13 Add a new section to read **Group B or Mixed Occupancies.** An automatic sprinkler system shall be provided throughout all buildings containing Group B or mixed occupancies where one of the following conditions exists: 1. The fire area exceeds 6,000 sq. ft. (577 m<sup>2</sup>). 2. Where the combined fire areas of Group B and mixed occupancies on all floors including mezzanines and basements is greater than 6,000 sq. ft. (577 m<sup>2</sup>).

63. 903.2.14 Add a new section to read **Buildings Constructed under the International Residential Code.** An automatic sprinkler system installed in accordance with Section 903.3.1.3 shall be provided throughout all detached one and two-family dwellings and multiple single-family dwellings (townhouses), complying with the requirements of the International Residential Code, whose total aggregate fire area exceeds 6,000 square feet (577 m<sup>2</sup>) as measured from the outside wall. **Exception:** Unless otherwise required by more restrictive local codes, policies, amendments, ordinances, or plat note.

64. 903.3.1.3 Amend this section to read **NFPA 13D sprinkler systems.** Automatic sprinkler systems installed in one- and two-family dwellings; Group R-3; Group R-4, Condition 1; and townhouses shall be permitted to be installed throughout in accordance with NFPA 13D and local codes, ordinances, and policies.

65. 903.3.8 Amend this section to read **Limited area sprinkler systems**—Limited area sprinkler systems as required in the International Residential Code shall be in accordance with the standards listed in Section 903.3.1 except as provided in Sections 903.3.8.1 through 903.3.8.5.

66. 903.4 Amend exception #1 to read and delete exceptions #2, #3, and #5 **Sprinkler system supervision and alarms.** 1. Automatic sprinkler systems valves, pumps, and tanks in one- and two-family dwellings.

67. 905.3 delete the exception. **Required installations.**

68. 905.3.1 Amend this section and conditions #2 and #3 to read and delete condition #1 **Height.** Class I standpipe systems shall be installed throughout buildings where any of the following conditions exist: 2. The floor level of the highest story is located more than 20 feet (603.5 m) above the lowest level of the fire department vehicle access. 3. The floor level of the lowest story is located more than 20 feet (603.5 m) below the highest level of fire department vehicle access.

69. 905.3.1.1 Add a new section to read **Building Area.** In buildings exceeding 10,000 sq. ft. (929 m<sup>2</sup>) within surrounding exterior walls, an approved Class I standpipe system shall be provided where any portion of the building's interior is more than 140 feet (42.67 m) of travel, vertically and/or horizontally, from the nearest point of fire department vehicle access.

70. 905.4 Amend conditions #1 and #6 of this section to read **Location of Class I standpipe hose connections.** 1. In every required interior exit stairway, a hose connection shall be provided for each story above and below grade plane. Hose connections shall be located at the intermediate landing

unless otherwise approved by the fire code official. 6. Where the most remote portion of a nonsprinklered floor or story is more than 140 feet (45 720 mm) from a hose connection or the most remote portion of a sprinklered floor or story is more than 200 feet (60 960 mm) from a hose connection, the fire code official is authorized to require that additional hose connections be provided in approved locations.

71. 907.6.6 Amend this section to read and delete exception #3 **Monitoring.** Fire protection systems required by this chapter, the International Building Code, or the International Residential Code shall be monitored by an approved supervising station in accordance with NFPA 72.

72. 915.1 Amend this section to read **General.** Carbon monoxide detection shall be installed in new buildings in accordance with Sections 915.1.1 through 915.6 and in accordance with State Statute. Carbon monoxide detection shall be installed in existing buildings in accordance with Section 1103.9 and in accordance with State Statute.

73. 1010.1.9.4 Amend this condition 2.2 to read **Locks and latches.** 2.2. A readily visible, durable sign is posted on the egress side on or adjacent to the door stating: THIS DOOR TO REMAIN UNLOCKED DURING BUSINESS HOURS. The sign shall be in letters 1 inch (25 mm) high on a contrasting background.

74. 1103.5 Amend this section to read **Sprinkler systems.** An automatic sprinkler system shall be provided in existing buildings in accordance with Sections 1103.5.1 through 1103.5.5.

75. 1103.5.5 Add a new section to read **Additions and alterations to existing buildings.** Existing buildings constructed prior to adoption of this code, with a fire area exceeding 6,000 square feet (577 m<sup>2</sup>), undergoing additions, alterations or remodel work shall be evaluated under the International Fire Code, for the need for additional fire protection. Portions of buildings separated by approved fire walls as outlined in Chapter 7, Section 707 of the International Building Code may be considered as separate buildings.

76. 1103.5.5.1 Add a new section to read **Existing buildings with a fire area not exceeding 6,000 sq. ft. (577 m<sup>2</sup>).** An automatic sprinkler system shall be provided throughout a building undergoing an addition and/or alteration work whose new aggregate fire area of the building exceeds 6,000 square feet (464 m<sup>2</sup>).

77. 1103.5.5.2 Add a new section to read **Existing buildings with a fire area exceeding 6,000 sq. ft. (577 m<sup>2</sup>).** An automatic sprinkler system shall be provided throughout a building undergoing addition work that increases the fire area of the existing building.

78. 1103.5.5.3 Add a new section to read **Alterations to existing buildings with a fire area exceeding 6,000 sq. ft. (577 m<sup>2</sup>).** An automatic sprinkler system shall be provided throughout a building when the area undergoing alterations equals or exceeds 50% of the aggregate fire area of the building. **Exception:** Alterations limited to the removal and replacement or the covering of existing materials, elements, equipment, or fixtures using the same materials, elements, equipment or fixtures that serve the same purpose.

79. 1103.6.1 Amend this section to read **Existing multi-story buildings.** Existing buildings with occupied floors located more than 40 feet (12192 mm) above the lowest level of fire department access

or more than 40 feet (12192 mm) below the highest level of fire department access shall be equipped with standpipes.

80. 1103.9 Amend this section to read **Carbon monoxide alarms.** Carbon monoxide alarms shall be installed in existing dwelling units and sleeping units where those units include any of the conditions identified in Section 915.1. The carbon monoxide alarms shall be installed in the locations specified in Section 915.2 and the installation shall be in accordance with Section 915.4.

81. 2403.2.7 Amend this section to read **Welding warning signs.** Welding, cutting and similar spark-producing operations shall not be conducted in or adjacent to flammable vapor areas or dipping or coating operations unless precautions have been taken to provide safety. Conspicuous signs with the following warning shall be posted in the vicinity of flammable vapor areas, dipping operations and paint storage rooms:

NO WELDING  
THE USE OF WELDING OR  
SIMILAR SPARK-PRODUCING  
EQUIPMENT IN OR NEAR THIS AREA  
IS DANGEROUS BECAUSE OF FIRE  
AND EXPLOSION HAZARDS. WELDING  
AND CUTTING SHALL BE DONE ONLY  
UNDER THE SUPERVISION OF THE  
PERSON IN CHARGE.

82. 3103.2 Amend this section to read and delete exceptions #2, #2.1, #2.2 and #2.3 **Approval required.** Tents and membrane structures having an area in excess of 200 square feet (19 m<sup>2</sup>) shall not be erected, operated or maintained for any purpose without first obtaining a permit and approval from the fire code official.

83. 3103.6 Amend this section to read **Construction documents.** A detailed site and floor plan for tents or membrane structures shall be provided with each application for approval. The tent or membrane structure floor plan shall indicate details of the *means of egress* facilities, seating capacity, arrangement of the seating and location and type of heating and electrical equipment. See fire code official for additional local requirements.

84. 3105.2 Amend this section to read **Approval.** Temporary special event structures in excess of 200 square feet (18.58 m<sup>2</sup>) shall not be erected, operated or maintained for any purpose without first obtaining approval and a permit from the fire code official and the building official.

85. 5001.1 Amend exception #10 to read **Scope.** 10. The storage of wines in wooden barrels and casks.

86. 5104.2.2 Amend this section to read **Aerosol cooking spray products.** Storage of aerosol cooking spray products in A, B, E, F, M, and R occupancies shall not be more than 1,000 pounds (454 kg) net weight.

87. 5701.2 Amend condition #10 section to read **Nonapplicability.** 10. The storage of wines in wooden barrels and casks.

88. Chapter 80 amend this section to add Referenced Standards NFPA 1—2015 Fire Code Chapter 38.

89. Table B105.1(1) Amend this section to read

**TABLE B105.1(1)  
REQUIRED FIRE FLOW FOR ONE- AND TWO-FAMILY DWELLINGS, GROUP R-3 AND R-4 BUILDINGS  
AND TOWNHOUSES**

<b>FIRE-FLOW CALCULATION AREA (square feet)</b>	<b>AUTOMATIC SPRINKLER SYSTEM (Design Standard)</b>	<b>MINIMUM FIRE FLOW (gallons per minute)</b>	<b>FLOW DURATION (hours)</b>
0–3,600	No automatic sprinkler system	1,000	1
3601 and greater	No automatic sprinkler system	Value in Table B105.1(2)	Duration in Table B105.1(2) at the required fire-flow rate
0–3,600	Section 903.3.1.3 of the International Fire Code	500	½
3,601 and greater	Section 903.3.1.3 of the International Fire Code	½ value in Table B104.1(2)	1

90. D103.6 Amend this section to read Signs. Where required by the fire code official, fire apparatus access roads shall be marked with permanent NO PARKING—FIRE LANE signs complying with Figure D103.6. Signs shall have a minimum dimension of 12 inches (305 mm) wide by 18 inches (457 mm) high and have red letters on a white reflective background. Signs shall be posted on one or both sides of the fire apparatus road as required by Section D103.6.1 or D103.6.2 and at intervals as required by the Fire Code Official.

91. J101.1 Amend this section to read New buildings shall have a building information sign(s) that shall comply with Sections J101.1.1 through J101.7. Existing buildings may be brought into conformance with Sections J101.1 through J101.9 when one of the following occurs:

92. N103.3 Amend this section to read N103.3 Crowd managers. Where events involve a gathering of more than 500 people, trained crowd managers shall be provided in accordance with Section 403.12.3.

## SECTION P101 GENERAL

**P101.1 Scope.** This appendix provides a methodology for reducing wildland fire ignition hazards around structures that will be located in a wildland-urban interface area and provides minimum requirements to reduce the potential of structure ignition from wildland fires while ensuring continuity between required and voluntary mitigation activities.

## SECTION P201 DEFINITIONS

**P201.1 Definitions.** The following terms are defined in Chapter 2:

**Defensible Space**

**Firewise® Landscaping  
Ground Fuels  
Mitigation  
Structure Ignition Zone  
Tree Crown  
Wildland-Urban Interface**

**SECTION P301  
FUEL MODIFICATION AREA**

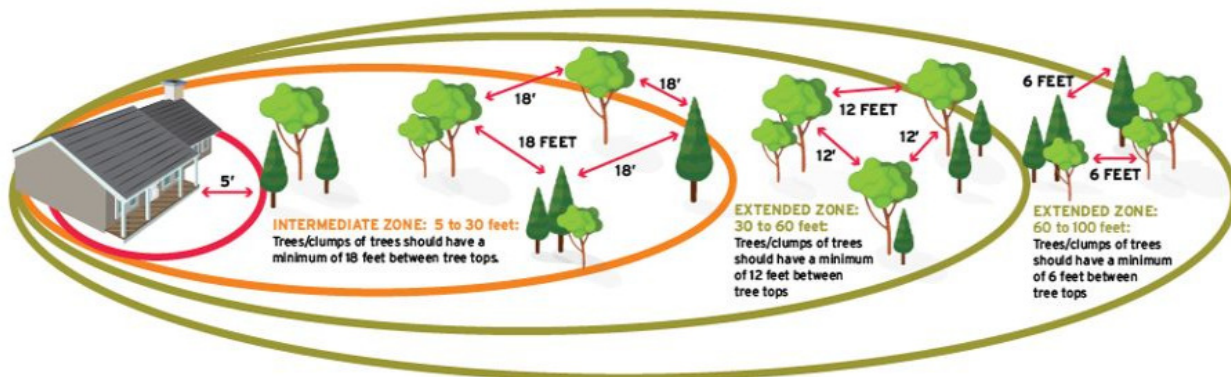
P301.1 **General.** The property shall be divided into three zones. These zones are (Figure P301):

1. The Immediate Zone -- 0 to 5 feet from the furthest attached exterior point of the home
2. The Intermediate zone -- 5 to 30 feet from the furthest attached exterior point of the home.
3. The Extended Zone, 30 to 60 feet and 60 to 100 feet from the furthest attached exterior point of the home.

**Exception:**

1. Nothing in this appendix shall require the removal of healthy trees, shrubs, and other landscaping materials required by a Town or the County as part of an approved landscaping plan.
2. Property past a property line.

**FIGURE P301**



**SECTION P401  
THE IMMEDIATE ZONE**

P401.1 **General.** This is the most important zone of the defensible space, according to the Firewise® program, to take immediate action on as it is the most vulnerable to embers. The following specific standards apply to the creation of defensible space within the Immediate Zone:

1. All dead and diseased trees, shrubs, and other landscaping materials shall be removed.
2. All vegetation and combustible and flammable materials shall be moved away from exterior walls, under the eaves, and/or decks. This includes:
  - 2.1 Mulch
  - 2.2 Ground fuels
  - 2.3 Flammable plants
  - 2.4 Leaves and needles
  - 2.5 Firewood piles

## **SECTION P501 THE INTERMEDIATE ZONE**

**P501.1 General.** This is the landscaping/hardscaping zone of the defensible space through the use of careful landscaping or creating breaks that can help influence and decrease fire behavior. The following specific standards apply to the creation of defensible space within the Intermediate Zone:

1. All dead and diseased trees, shrubs, and other landscaping materials shall be removed.
2. Removal of ladder fuels (vegetation under trees) shall occur so a surface fire cannot reach the crowns of the trees.
  - 1.1 Limb up trees to a height of 10 feet. For shorter trees, trim to a height of 1/3 of the overall tree height.
3. Trees shall be spaced to have a minimum of eighteen feet between the crowns with the distance increasing with the percentage of slope.
4. Firewise® trees and shrubs in this zone should be limited to small clusters of a few each to break up the continuity of the vegetation across the landscape.
5. Irrigated trees, shrubs, and other landscaping material shall be preserved if they are limbed to remove dead branches and well-spaced to reduce the risk of a fire spreading to other vegetation or structures.

## **SECTION P601 THE EXTENDED ZONE UP TO 60 FEET**

**P601.1 General.** This zone focuses on interrupting a fire's path and keeping the flames smaller and on the ground by:

1. All dead and diseased trees, shrubs, and other landscaping materials shall be removed.
2. The accumulation of ground litter and debris shall be disposed of or dispersed.
3. Small conifers growing between mature trees shall be removed.
4. Vegetation adjacent to storage or other outbuildings shall be removed.
5. Trees shall be spaced to have a minimum of twelve feet between the crowns with the distance increasing with the percentage of slope.

## **SECTION P701 THE EXTENDED ZONE OVER 60 FEET**

**P701.1 General.** This zone focuses on interrupting a fire's path and keeping the flames smaller and on the ground by:

1. All dead and diseased trees, shrubs, and other landscaping materials shall be removed.
2. The accumulation of ground litter and debris shall be disposed of or dispersed.
3. Small conifers growing between mature trees shall be removed.
4. Vegetation adjacent to storage or other outbuildings shall be removed.
5. Trees shall be spaced to have a minimum of six feet between the crowns with the distance increasing with the percentage of slope.