

16.05.130 International Fire Code adopted.

The 2009 Edition of the International Fire Code, as adopted by the State Building Code Council in Chapter 51-54 WAC, as published by the International Code Council, including Appendix Chapters B, Fire-flow requirements for buildings; C, Fire hydrant locations and distribution; and D, Section 106 as amended, is adopted, together with the following amendments:

(1) Amend Section 102.6 to read as follows:

Section 102.6 Referenced codes and standards. The codes and standards referenced in this code shall be those that are listed in Chapter 45. Such codes and standards shall be considered part of the requirements of this code to the prescribed extent of each such reference as determined or modified by the fire code official.

(2) Amend Section 104.10.1 to read as follows:

Section 104.10.1 Assistance from other agencies. Police and other enforcement agencies shall have authority to render necessary assistance in the investigation of fires or the enforcement of this code as requested by the fire code official.

(3) Delete Section 105.2 and replace with the following:

Section 105.2 Application for Permit. Application for permits shall be made to the City of Sammamish in such form and detail as required by the fire department. Applications for permits shall be accompanied by such plans as required by the Bureau of Fire Prevention. All applications for fire department permits shall be forwarded to the Bureau of Fire Prevention for consideration of approval.

(4) Add new Section 105.2.5, Permit Fees, to read as follows:

105.2.5 Permit Fees. Any fees for fire code permits, plan check or any other fire service shall be as listed in the City of Sammamish Fee resolution.

(5) Delete Section 108 and replace with the following:

Section 108.1 General. Appeals of orders, decisions or determinations made by the building official relative to the application and interpretations of this code shall be heard and decided by the Hearing Examiner following an open record hearing. Following review of the evidence, the Examiner shall issue final decisions, including findings and conclusions, based on the issues and evidence in the record.

The Hearing Examiner's final decision shall be the final decision of the City Council on the appeal and shall be conclusive unless proceedings for review of the decision are properly commenced in superior court within the time period specified by state law.

Section 108.2 Limitations on authority. An application for appeal shall be based on a claim that the true intent of this code or the rules legally adopted there under have been incorrectly interpreted, the provisions of this code do not fully apply or an equally good or better form of construction is proposed. The hearing examiner shall have no authority relative to interpretation of the administrative provisions of this code nor shall the Hearing Examiner be empowered to waive requirements of either this code or the technical codes which are the codes, appendices and referenced code standards adopted by the City of Sammamish.

(6) Amend Section 307.1 to read as follows:

Section 307.1 Open Burning and Recreational fires – General.

Exception: Barbecue and other fires in accordance with the Puget Sound Clean Air Agency.

(7) Add new exception to Section 308.3 to read as follows:

Section 308.3 Group A Occupancies.

Exception 4: Where approved by the Fire Code Official.

(8) Adopt new Sections 503.1 through 503.4 to read as follows:

Sections 503.1 through 503.4 – Fire apparatus access roads. Fire apparatus access roads in the International Fire Code section 503.1 through 503.4 shall be retained by the City of Sammamish.

(9) Amend Section 503.2.1 to read as follows:

503.2.1 Dimensions. Fire apparatus access roads shall have an unobstructed width of not less than 20 feet (6096 mm), except for approved security gates in accordance with Section 503.6, and an unobstructed vertical clearance of not less than 13 feet 6 inches (4115 mm).

Emergency Vehicle access roads shall be constructed in accordance with City of Sammamish Public works standards.

(10) Amend Section 503.2.7 to read as follows:

503.2.7 Grade. The grade of the fire apparatus access road shall be no more than 15% slope. Access roads may be permitted to exceed 15% with approval of the fire official, where all buildings are provided with an approved fire sprinkler system.

(11) Amend Section 503.3 to read as follows:

Section 503.3. Markings. When required by the Fire Chief, approved signs or other approved notices shall be provided and maintained for fire apparatus roads to identify such roads and prohibit the obstruction thereof or both.

1. All designated fire lanes shall be clearly marked by the property owner in the following manner: Vertical curbs shall be painted six (6") inches in height and shall be painted red on the top and side, extending the length of the designated fire lane with four inch (4") white block lettering stenciled on the face "NO PARKING – FIRE LANE." The stenciling shall be spaced every fifty feet (50'). Rolled curbs or surfaces without curbs shall have a six inch (6") wide red stripe painted extending the length of the designated fire lane with four inch (4") white block lettering stenciled on the stripe "NO PARKING – FIRE LANE." The stenciling shall be spaced every fifty feet (50').

2. Signs may be substituted for curb painting when approved in writing by the fire marshal.

3. Signs shall be not less than eighteen inches (18") in height by twelve inches (12") in width, with block lettering of not less than three inches (3") high brush stroke, reading: "NO PARKING – FIRE LANE." Such signs shall be reflective in nature, with red lettering on a white background, and spaced at intervals of not less than fifty feet (50') apart. The top of such signs shall not be less than four feet (4'), or more than six feet (6') from the ground. Signs may be placed on buildings when approved in writing

by the fire marshal. When posts are required, they shall be constructed of either two inch (2") or greater galvanized steel, or four inch by four inch (4" x 4") or greater pressure treated wood.

4. The fire marshal may approve deviations from any of the specifications in writing.

5. Existing signs may be allowed to remain until the fire marshal determines that a need for replacement exists based on the legibility or other deterioration of the existing signs. Such replacement shall occur within 30 days of receiving written notification of the deficiency.

6. Fire lanes shall be established and maintained as often as required by the fire marshal to clearly identify the designated area as a fire lane, at the sole expense of the property owner. The property owner shall have completed the required establishment or maintenance of fire lanes within 30 days of receiving written notification that such is necessary.

7. At the entrance to the property where fire lanes have been designated, signs shall be posted in a clearly conspicuous location, and shall clearly state that vehicles parked in fire lanes may be impounded, and the name, telephone number, and address of the towing firm where the vehicle may be redeemed.

8. The owner, manager, or person in charge of any property upon which any designated fire lane has been established shall be responsible to prevent the parking of vehicles in such fire lanes by informing the appropriate towing company of the violation. If the lane is blocked by any other obstructions, the owner, manager, or person in charge of the property shall attempt to remove the obstruction, and if unable, shall inform the fire department that the obstruction exists.

9. All criminal violations of the International Fire Code and obstruction of a fire apparatus road may be enforced by any regular or reserve police officer of the Police Department.

10. The Police Department, Fire Chief, Fire Marshal, and other such personnel of the Fire Department as designated by the Fire Chief and approved by the City Manager shall have the authority to issue infractions for violations of the International Fire Code on forms provided by the Chief of Police for such purposes.

11. Any violation of this Section shall be punishable in accordance with the provisions of SMC 17.05.010.

(12) Amend Section 506.1 as follows:

506.1 Where required. Where access to or within a structure or an area is restricted because of secured openings or where immediate access is necessary for life-saving or fire-fighting purposes, the fire code official is authorized to require a key box to be installed in an approved location. The key box shall be of an approved type and shall contain keys to gain necessary access as required by the fire code official.

All occupancies equipped with an automatic sprinkler system or fire alarm system shall have a key box mounted in a location approved by the fire code official.

Exception: One and two family dwelling.

(13) Add new definition in Section 602:

Section 602 Definitions: Power Tap. A listed device for indoor use consisting of an attachment plug on one end of a flexible cord and two or more receptacles on the opposite end, and has over-current protection.

(14) Amend the first sentence of Section 901.7, System out of service, to read as follows:

Section 901.7 System out of service. Where a fire protection system is out of service, the fire department and the fire code official shall be notified immediately and where required by the fire code official, the building shall either be evacuated or an approved fire watch shall be provided for all occupants left unprotected by the shut down until the fire protection system has been returned.

(15) Amend Section 903.2, Where required, as follows:

903.2 Where required. Delete the exception.

(16) Amend Section 903.4.2, Alarms, to read as follows:

903.4.2 Alarms. Approved audible and visible alarm notification devices to meet the Americans with Disabilities Act, shall be provided for every automatic sprinkler system in accordance with Section 907 and throughout areas designated by the Fire Code Official. Such sprinkler water-flow alarm devices shall be activated by water flow equivalent to the flow of a single sprinkler of the smallest orifice size installed in the system. Alarm devices shall be provided on the exterior of the building in an approved location. Where a fire alarm system is installed, actuation of the automatic sprinkler system shall actuate the building fire alarm system. Exception: With approval of the Fire Code Official, audible and visible alarm notification appliances may be omitted for approved residential sprinkler systems in 1 or 2 family dwelling units if not otherwise specifically required.

(17) Amend Section 903.4.3 to read as follows:

903.4.3 Floor control valves. Approved supervised indicating control valves shall be provided at the point of connection to the riser on each floor. Exception: When approved by the Fire Code Official in NFPA 13D and NFPA13R systems.

(18) Add new section to read as follows:

905.3.8 High Rise Building Standpipes. Standpipe risers shall be combination standpipe/sprinkler risers using a minimum pipe size of 6 inches. Two 2-1/2 inch hose connections shall be provided on every intermediate floor level landing in every required stairway. Where pressure reduction valves (PRV) are required, each hose connection shall be provided with its own PRV. The system shall be designed to provide a minimum flow of 300 gpm at a minimum pressure of 150 psi (maximum 200 psi) at each standpipe connection, in addition to the flow and pressure requirements contained in NFPA 14.

(19) Amend Section 905.8 to read as follows:

905.8 Dry Standpipes. Dry standpipes, may be installed in other than high rise buildings when approved by the fire code official.

(20) Amend Section 906.1, Where required, as follows:

906.1 Where required. Portable fire extinguishers shall be installed in all Group A, B, E, F, H, I, M, R1, R-s, R-4, and S occupancies.

(21) Amend Section 907.2 to read as follows:

907.2 Where required – new buildings and structures. An approved manual, automatic or manual and automatic fire alarm system installed in accordance with the provisions of this code and NFPA 72 shall be provided in new buildings and structures in accordance with Sections 907.2.1 through 907.2.23 or where required by the Fire Code Official and provide occupant notification in accordance with Section 907.6, unless other requirements are provided by another section of this code. Where automatic sprinkler protection installed in accordance with Section 903.3.1.1 or 903.3.1.2 is provided and connected to the building fire alarm system, automatic heat detection required by this section shall not be required. The automatic fire detectors shall be smoke detectors. Where ambient conditions prohibit installation of automatic smoke detection, other automatic fire detection shall be allowed.

(22) Add new Section 907.7.5.2 to read as follows:

907.7.5.2. Monitoring. When required by the Fire Code Official, all fire detection systems shall be monitored and shall meet the following requirements:

(a) Current NFPA Article 72, National Fire Alarm Code.

(b) The current International Fire and Building Code.

(c) The system shall be supervised.

(d) All signals from the fire alarm control panel shall be transmitted to an approved central station conforming to UL Standard 827, listed by Underwriters Laboratories and approved by the Fire Code Official.

(e) The building owner must provide the fire department with proof of monitoring service.

(f) The installer shall provide written certification to the Fire Department that the system has been installed in accordance with approved plans and specifications.

(g) The system must have a signed maintenance agreement prior to Certificate of Occupancy.

(23) Amend Section 1404.5 to read as follows:

1404.5 Fire watch. When required by the fire code official for building construction or demolition that is hazardous in nature, qualified personnel shall be provided to serve as an on-site fire watch. Fire watch personnel shall be provided with at least one approved means for notification of the fire department and their sole duty shall be to perform constant patrols and watch for the occurrence of fire.

(24) Amend Section 3304.1 to read as follows:

Section 3304.1 Explosive Materials Storage and Handling – General. The storage of explosive materials is prohibited within the City Limits.

Exceptions:

1. Materials listed and stored in accordance with IFC 3301.1 “Exceptions 1-5, and 7-9.”

2. Model rocket motors, as defined by NFPA 1122, stored in accordance with NFPA 1122 Sections 4.20.1 and 4.20.2. Quantities of more than one pound shall be stored in accordance with NFPA 1127 Sections 4.19.1 through 4.19.2.4.

3. When approved by the Fire Marshall, high power rocket motors as defined by NFPA 1127 and rocket motor reloading kits, stored in accordance with NFPA 1127 Sections 4.19.1 through 4.19.2.4, 4.19.4 and 4.19.5.

(25) Amend Section 3305.1 to read as follows:

Section 3305.1 Manufacturing, assembly and testing of explosives, explosive materials, ammunition, blasting agents, and fireworks – General. The manufacturing of explosives, explosive materials, ammunition, blasting agents, and fireworks is prohibited within the City limits.

(26) Amend Section 3404.2.9.5.1 to read as follows:

3404.2.9.5.1 Locations where above-ground tanks are prohibited.

Locations where Class I and Class II liquids are stored in above-ground tanks outside of buildings shall be regulated in accordance with SMC 21A.50.280: "Critical aquifer recharge areas."

(27) Amend Section 3404.2.11.2, Location, to add new item No. 4 as follows:

3404.2.11.2 Location. Flammable and combustible liquid storage tanks located underground, either outside or under buildings, shall be in accordance with all of the following:

1. Tanks shall be located with respect to existing foundations and supports such that the loads carried by the latter cannot be transmitted to the tank.

2. The distance from any part of a tank storing liquids to the nearest wall of a basement, pit, cellar, or lot line shall not be less than 3 feet (914 mm).

3. A minimum distance of 1 foot (305 mm), shell to shell, shall be maintained between underground tanks.

4. Tank location shall be in accordance with the limitations of SMC 21A.50.280: "Critical aquifer recharge areas."

(28) Amend Section 3406.2 as follows:

3406.2 Storage and dispensing of flammable and combustible liquids. Permanent and temporary storage and dispensing of Class I and II liquids for private use on farms and at Public Maintenance facilities owned by the City of Sammamish or other Public agencies shall be in accordance with Sections 3406.2.1 through 3406.2.8.1.

Exception: Storage and use of fuel oil and containers connected with oil-burning equipment regulated by Section 603 and the International Mechanical Code.

(29) Amend Section 3406.2.4.4 to read as follows:

Section 3406.2.4.4 Locations where above-ground tanks are prohibited. Locations where Class I and II liquids are stored in above-ground tanks shall be regulated in accordance with SMC 21A.50.280: "Critical Aquifer Recharge Areas."

(30) Amend Section 3804.2 to read as follows:

Section 3804.2 Maximum capacity within established limits. The aggregate capacity for the storage of Liquid Petroleum Gas (LPG) of any one installation shall not exceed 2,000 gallons water capacity, except that in particular installations this capacity limit may be altered at the discretion of the chief after consideration of special features such as topographical conditions, nature of the occupancy and proximity to buildings, capacity of proposed tanks, degree of private fire protection to be provided, and facilities of the fire department.

(31) Amend Appendix D, Section D106, to read as follows:

SECTION D106 SINGLE FAMILY AND MULTIPLE-FAMILY RESIDENTIAL DEVELOPMENTS

D106.1 Projects having more than 100 dwelling units. Single family and Multiple-family residential projects having more than 100 dwelling units shall be equipped throughout with two separate and approved fire apparatus access roads.

Exception: Projects having more than 100 dwelling units may have a single approved fire apparatus access road when all buildings, including nonresidential occupancies, are equipped throughout with approved automatic sprinkler systems installed in accordance with Section 903.3.1.1, or 903.3.1.2, or 903.3.1.3 of the International Fire Code.

D106.2 Projects having more than 200 dwelling units. Multiple-family residential projects having more than 200 dwelling units shall be provided with two separate and approved fire apparatus access roads regardless of whether they are equipped with an approved automatic sprinkler system.

(Ord. O2010-283 § 1 (Att. A); Ord. O2007-214 § 1; Ord. O2004-165 § 1; Ord. O2004-148 § 2)