

BILL NO. _____
(Amending HMC 15.32 Regarding Revisions to the Fire Code Requirements and Related Matters)

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF HENDERSON, NEVADA, AMENDING CHAPTER 15.32 OF THE HENDERSON MUNICIPAL CODE AS IT RELATES TO FIRE DEPARTMENT PERMITS, FIRE CODE REQUIREMENTS, AND OTHER MATTERS RELATING THERETO.

- WHEREAS, a new Fire Code was adopted during September 2007 which adopted the 2006 Edition of the International Fire Code with attached amendments; and
- WHEREAS, this was an entirely new code with new chapters and sections which did not correlate with the previous Fire Code, several deficiencies were observed; and
- WHEREAS, due to a recent change to NRS 477, the Nevada State Fire Marshal Regulations no longer apply to the City of Henderson; and
- WHEREAS, a committee was formed to evaluate and to determine the extent of the deficiencies and the change to NRS 477, and to provide recommendations; and
- WHEREAS, based on that committee's recommendations, it is appropriate that the proposed revisions be provided at this time by amending HMC Chapter 15.32.

NOW, THEREFORE, the City Council of the City of Henderson, Nevada, does ordain as follows:

SECTION 1: 15.32.050 AMENDMENTS TO THE 2006 INTERNATIONAL FIRE CODE AMENDMENTS.

Section 104.8.1 Substantial Compliance Standard.

A new Section 104.8.1 Substantial Compliance Standard is added as follows:

Section 104.8.1 Substantial Compliance Standard. In the enforcement of specific provisions of the adopted technical codes and standards, the Fire Chief and the Building & Fire Safety Director are authorized to grant minor variations from the strict application of specific code provisions where, in the opinion of the Fire Chief or the Building & Fire Safety Director, the work is in substantial compliance with the intent of the adopted codes and standards.

Amendment 40, Section 508.4 Water Supply Test

Section 508.4 Water Supply Test is revised as follows:

508.4 Water supply test. Permit applications for water supply information shall be submitted. The City will provide the applicant with the available flow at 20 psi. [within 7 days].

508.4.1 Hydraulically modeled water supply information. When available, hydraulic modeled water supply information provided by the City shall be used as the basis for design. A request for permit shall be made on a form provided by the City. The City will process the request and provide the applicant with the available flow based upon hydraulic modeling. The information provided by the City shall be valid for a period of six (6) months from the date of issuance.

The available flow provided is predicted using a computer hydraulic model of the City's water distribution system which is based on the City's GIS data and approved civil utility plans. The results are from the model's maximum day demand scenario with no part of the water system upstream of the fire flow demand point having less than 20 psi residual pressure. The available flow information is typically provided at a water main and does not account for any pressure losses down stream from that location (for example: from the service or hydrant lateral, backflow devices, meters or any onsite piping to the fire sprinkler system).

The City makes no guarantee that the flow is presently available, nor does it guarantee that these flows will be available in the future due to continued growth which places additional demands for water on our distribution system. Availability of flow is also subject to periodic shutdowns and variations required by the operation of the City's distribution system.

It is the contractor's responsibility to obtain the approved civil utility plans in order to verify the appropriate backflow device(s) has been or will be installed on the system and to verify the existing on-site pressure prior to final system acceptance. The Contractor shall notify the City's Fire Safety Division immediately upon discovery of any major pressure discrepancies.

508.4.2 Water supply field test. When approved, a manual water supply test may be permitted. A request for permit shall be made on a form provided by the City. Prior to performing the water supply field test, the Utilities Services Department must be notified at 267-5908. The fire code official shall be notified prior to the water supply test. The water supply field test shall be witnessed by the fire code official. The test shall be documented by the contractor. Water supply information obtained through this test shall be valid for a period of six (6) months.

Amendment 72, Section 903.7: Fire Pump Rooms

The new section 903.7 Fire Pump Rooms is revised as follows:

Section 903.7 Fire Pump Rooms. Where fire pumps are required to provide the required sprinkler and/or standpipe system demand, the fire pumps shall be located in a dedicated room enclosed by fire barriers that have a fire-resistance rating of not less than 2 hours with an exterior door or a door leading to an exit passageway in accordance with IBC Section 1021. Fire pump rooms shall be provided with permanent lighting and permanent means to maintain the temperature in the room above 40°F (5°C). All fire pump rooms shall be provided with a floor drain.

Section 905.1.1 Signage

A new section 905.1.1 Signage is added as follows:

Section 905.1.1 Signage. In addition to all signage required by NFPA Standard 14, an approved permanently affixed architectural floor plan with room numbers shall be provided adjacent to each standpipe hose valve outlet. The plan shall graphically show the area reachable by 100 feet of hose. The floor plan shall include the following:

1. Standpipes and the distances between them.
2. Room numbers displayed on the appropriate spots on the floor plan.
3. All elevators.
4. All places of refuge (i.e. locations where firefighters need to check during emergencies).
5. All Key Box locations.
6. Smoke detector locations (i.e. smoke detector 1 is located outside of room #111).
7. All fire extinguisher and hose cabinet locations.
8. Reference points (i.e. you are here markers).
9. Total length of floors

Section 906.1.1 Where Required

Section 906.1.1 Where required is revised by deleting the exception as follows:

1. [Exception: In new and existing Group A, B and E occupancies equipped throughout with quick-response sprinklers, portable fire extinguishers shall be required only in locations specified in Items 2 through 6.]

Section 906.2 General Requirements

Section 906.2 Exception #2 is revised as follows:

2. Thirty day inspections shall not be required and maintenance shall be performed annually [allowed to be once every three years] for dry-chemical or halogenated agent portable fire extinguishers that are supervised by a listed and approved electronic monitoring device, provided that all of the following conditions are met:

Section 906.2 General Requirements

Section 906.2 Exception #2.2.4 is revised as follows:

2.4. Electronic monitoring devices and supervisory circuits shall be tested annually [every three years] when extinguisher maintenance is performed.

Amendment 83, Section 907.9.4.2 Annunciator Access and Location

Section 907.9.4.2 Annunciator Access and Location is revised as follows:

Section 907.9.4.2 Annunciator Access and Location. All required annunciator means shall be readily accessible to responding personnel and shall be located as required by the fire code official to facilitate an effective response to the fire situation. [A remote annunciator shall be provided in the main entrance of all buildings. For buildings without a main entrance the annunciator or control panel shall be installed in the riser room or other approved location. When the fire alarm control panel is located in the main entrance, a remote annunciator may not be required.]

Amendment 88, Section 907.15.7 UL Certification

Section 907.15.7 UL Certification is revised as follows:

Section 907.15.7 UL or FM Certification. [Annually] A current UL or FM Central Station Certification shall be provided annually.

Section 3404.5.2 Interior Installations

Section 3404.5.2.1 General is deleted in its entirety:

[3040.5.2.1.General. Interior installations of aboveground fuel tanks shall comply with Chapter 34. Tanks containing more than 120 gallons (454.25 L) in a non-sprinklered building, or more than 240 gallons (908.5 L) in a sprinklered building shall be in a room meeting the requirements in the IBC]

Amendment 141, Section 4602, NFPA 13, 2007 Edition: Installation of Sprinkler Systems

Section 4602 NFPA 13, 2007 Edition: Chapter 6, Section 6.9.3.1 is revised as follows:

Section 6.9.3.1 Attachments - General

[A.6.9.3.1 Audible alarms are normally located on the outside of the building. Listed electronic gongs, bells, horns, or sirens inside the building, or a combination of such used inside and outside, are sometimes advisable.]

Amendment 141, Section 4602, NFPA 13, 2007 Edition: Installation of Sprinkler Systems

Section 4602 NFPA 13, 2007 Edition: Chapter 7, Section 7.1.3 is revised as follows:

Section 7.1.3 Auxiliary Systems.

[A.7.1.3 An auxiliary system should be comparatively small to the system it is being attached to, and should not pose confusion as to what system is flowing water in the event of a fire. Multiple flow alarms or a single flow alarms connected to two systems protecting two different areas of a building should be avoided.]

Amendment 141, Section 4602, NFPA 13, 2007 Edition: Installation of Sprinkler Systems

Section 4602 NFPA 13, 2007 Edition: Chapter 7, Section 8.15.7.5 is revised as follows:

Section 8.15.7 Exterior Roofs, Canopies, or Porte-Cochere.

8.15.7.5 Sprinklers shall be installed under roofs, canopies, or porte-cocheres over areas where combustibles are stored and handled.

Exception: Where vehicles are expected to be parked, stopped or standing with their driver in the vehicle.

Amendment 145, Section 4606 NFPA 20, 2007 Edition: Standard for the Installation of Stationary Pumps For Fire Protection

Section 4606 NFPA 20, 2007 Edition Chapter 5.12 Equipment Protection is revised as follows:

Section 5.12 Equipment Protection

Section 5.12.1.1 Indoor Fire Pump Units. Sections 5.12.1.1.1 and 5.12.1.1.2 are revised as follows:

5.12.1.1.1 Where fire pumps are required to provide the required sprinkler and/or standpipe system demand, the fire pumps shall be located in a dedicated room enclosed by fire barriers that have a fire-resistance rating of not less than 2 hours with an exterior door or a door leading to an exit passageway in accordance with IBC Section 1021. Fire pump rooms shall be provided with permanent lighting and permanent means to maintain the temperature in the room above 40⁰F (5⁰C). All fire pump rooms shall be provided with a floor drain.

[Indoor fire pumps in high-rise buildings shall be physically separated or protected by 2-hour fire-rated construction.]

5.12.1.1.2 [Indoor fire pumps in non-high-rise buildings shall be physically separated or protected by fire-rated construction in accordance with Table 5.12.1.1.2.]

Amendment 146, Section 4607, NFPA 72, 2007 Edition: National Fire Alarm Code.

Section 4607, NFPA 72, 2007 Edition: Chapter 4, Section 4.4.6.3 is revised as follows:

Section 4.4.6.3 Annunciator Access and Location. All required annunciator means shall be readily accessible to responding personnel and shall be located as required by the authority having jurisdiction to facilitate an efficient response to the fire situation. [A remote annunciator shall be provided in the main entrance of all buildings. When the fire alarm control panel is located in the main entrance, a remote annunciator may not be required.]

Appendix Section H Emergency Access Gates and Barriers.

Appendix Section H Emergency Access Gates and Barriers is deleted in its entirety.

SECTION 2: **15.32.090 APPEALS AND RELIEF FROM REGULATIONS.**

[All decisions made by the City of Henderson Fire Marshal, the Director of the Building and Fire Safety Department, or the Chief of the Fire Department under any discretionary authority granted to them by Sections 2.28.040 of the Henderson Municipal Code; or any discretionary Section contained in the International Fire Code; or any local amendment to the International Fire Code are subject to review by the City Council. Presentation of a written protest by an affected party must be made to the Building and Fire Safety Department with a copy filed with the City Clerk within 14 calendar days from the date of the action protested.]

[Any person desiring relief from any of the provisions of the Nevada State Fire Marshal Regulations must appeal same in accordance with NRS 477.285. Written approval from the State Fire Marshal's Office for relief from regulations adopted by the State shall be required prior to any appeal to the Fire Chief for relief in regulations contained in this Ordinance which are also contained in the State Fire Marshal's Regulations.]

All decisions made by the City of Henderson Fire Marshal, the Deputy Fire Marshals, members of the Fire Safety Department, or members of the Fire Department are subject to review by the Director of the Building and Fire Safety Department and the Chief of the Fire Department.

All decisions made by the City of Henderson, Director of the Building & Fire Safety Department and the Chief of the Fire Department are subject to review in accordance with HMC Chapter 15.01.

END OF ORDINANCE.