

ORDINANCE NO. 2899

(Repealing Chapter 15.32 The City of Henderson Fire Code and Adopting a New Chapter 15.32 Entitled City of Henderson Fire Code)

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF HENDERSON, NEVADA, REPEALING CHAPTER 15.32 TO THE HENDERSON MUNICIPAL CODE ENTITLED "THE CITY OF HENDERSON FIRE CODE" BY ADOPTING A NEW CHAPTER 15.32 TO THE HENDERSON MUNICIPAL CODE ENTITLED "CITY OF HENDERSON FIRE CODE," WITH AMENDMENTS THERETO; AND PROVIDING FOR OTHER MATTERS PROPERLY RELATED THERETO.

WHEREAS, a new Fire Code was published March 2009 which replaced the 2006 Edition of the International Fire Code; and

WHEREAS, pursuant to NRS 477, building codes adopted by the State Fire Marshal are inapplicable in Henderson excluding buildings owned or occupied by the State or public schools, as Henderson has adopted the most recently published editions of the International Fire Code and the International Building Code; and

WHEREAS, based on staff's recommendations, it is appropriate that the proposed revisions be provided at this time by amending HMC Chapter 15.32; and

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

SECTION 1. Henderson Municipal Code Chapter 15.32 entitled "City of Henderson Fire Code" is hereby repealed in its entirety.

SECTION 2. Pursuant to the provisions of the Henderson City Charter Section 2.160(3), the International Fire Code 2009 Edition as amended herein and with certain appendices and attachments is hereby adopted by reference with said amendments and other matters related thereto set forth as follows:

**Chapter 15.32**  
**International Fire Code**

<b><u>15.32.010</u></b>	<b><u>Short Title.</u></b>
<b><u>15.32.020</u></b>	<b><u>Adoption.</u></b>
<b><u>15.32.030</u></b>	<b><u>Code Amended.</u></b>
<b><u>15.32.050</u></b>	<b><u>Amendments to the 2009 International Fire Code and to the 2009 Southern Nevada Fire Code Amendments.</u></b>
<b><u>15.32.060</u></b>	<b><u>Enforcement Authority.</u></b>
<b><u>15.32.070</u></b>	<b><u>State Fire Marshal's Regulations.</u></b>
<b><u>15.32.080</u></b>	<b><u>Citations.</u></b>
<b><u>15.32.090</u></b>	<b><u>Appeals and Relief from Regulations.</u></b>
<b><u>15.32.100</u></b>	<b><u>Penalties</u></b>
<b><u>15.32.110</u></b>	<b><u>Permit and Service Fee Schedule</u></b>

**15.32.010 Short Title.**

This Chapter shall be known as the "City of Henderson Fire Code" and may be cited as such.

Where the designation "International Fire Code" or the abbreviation "IFC" appears in this ordinance, it shall be construed as referring to the 2009 International Fire Code as adopted by this Ordinance.

**15.32.020 Adoption.**

The city of Henderson adopts as its Fire Code the "International Fire Code, 2009 Edition", as published by the International Code Council, Inc., Publications, 4051 West Flossmoor Road, Country Club Hills, IL.60478-5795.

And the same is hereby designated as the City of Henderson Fire Code and by this designation and reference is hereby adopted and made a part of this chapter, the same as if it were fully set forth herein. Three copies of this code are on file in the office of the city clerk.

Where the phrase "*name of jurisdiction*" appears in the Fire Code, it shall be construed as referring to the City of Henderson. Where the phrase "*AHJ*" appears in the Fire Code, it shall be construed as referring to the City of Henderson as the *Authority Having Jurisdiction (AHJ)*.

**15.32.030 Code Amended.**

The city of Henderson adopts as an amendment to the International Fire Code, Attachment A, a booklet entitled "The 2009 Southern Nevada Fire Code Amendments". This booklet is adopted in its entirety with the following exceptions as described in this section. Three copies of this booklet are on file in the office of the city clerk.

The following amendments contained within Attachment "A" are further amended as stated in Section 15.32.050 of this ordinance.

- Section 105.1.4.1 Certificate of Insurance, Certificate Information Required.
- Section 105.6.54 Mobile Fueling Vehicle.
- Section 105.6.61 Wood or Plastic Pallets.
- Section 105.7.1 Fire Hydrants and Associated Supply Piping.

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- Section 108.1 Board of Appeals.
- Section 318.2.1.2 Exhibitions and Trade Shows
- Section 318.2.2 Exhibitions and Trade Shows
- Section 318.5(9) Exhibitions and Trade Shows
- Section 320.5 Special Activity Lots, Wiring and Lighting.
- Section 321.7.10.4 Motion Picture and Television Studio, Sound Stages, Production Facilities and Production Locations; Wiring.
- Section 503.1.1 Buildings and facilities.
- Section 503.2.7 Grade.
- Section 607.4.1 Elevator Keys
- Section 901.2.3 Plans for fire protection systems.
- Section 901.6.2 Records.
- Section 903.2 Where Required.
- Section 907.7.3.1 Alarm Annunciation
- Section 907.7.5 Monitoring.
- Section 907.7.8.2 Secondary Response Point.
- Section 916.7 Size.
- Section 1028.6.2.3 Smoke-protected seating, Automatic sprinklers
- Section 1108 Emergency Helicopter Landing Pad
- Section 3307.3 Blasting.
- Section 3804.2 Liquefied petroleum gas storage containers.
- Section 4604.23 Egress path markings.
- Appendix J Sections 103.4 through 103.4.3 Additional frequencies, Field testing, Fire Department Radios, Number of radios, Radio model, Warranty and ownership transfer.
- Appendix K Section 103.1 Qualifications.

**15.32.050 Amendments to the 2009 International Fire Code.**

Certain parts, articles, divisions, sections and/or subsections of the 2009 Edition of the International Fire Code and the 2009 Southern Nevada Fire Code Amendments are hereby supplemented, modified, amended or deleted as follows.

**Section 103 DEPARTMENT OF FIRE PREVENTION.**

Section 103 DEPARTMENT OF FIRE PREVENTION is re-titled and amended as follows:

**Section 103 FIRE SAFETY DIVISION**

Section 103.1 General.

Section 103.1 General is amended to read as follows:

**Section 103.1 General:** A Fire Safety Division is established within the Building and Fire Safety Department under the direction of the Fire Marshal. The function of this Division shall include assisting the Fire Chief in the administration and enforcement of the provisions of the Fire Code. Management oversight of the Fire Safety Division is provided by the Director of the Building and Fire Safety Department. The Fire Chief has the final decision making authority on all technical fire code issues.

**Section 103.1.1 Fire Marshal.**

*A new Section 103.1.1 Fire Marshal is added as follows:*

**103.1.1 Fire Marshal:** The Fire Chief hereby designates the Fire Marshal as the *fire code official* to perform the duties as set forth in the Fire Code.

**Section 103.3.1 Fire Safety Division Personnel, Fire Department, and Police.**

*A new Section 103.3.1 Fire Safety Division Personnel, Fire Department and Police is added as follows:*

**Section 103.3.1 Fire Safety Division Personnel, Fire Department, and Police.** The Chief, members of the Fire Department, and members of the Fire Safety Division shall have the powers of a police officer in performing their duties under this code.

**Section 104.3.2 Authority to Inspect.**

*A new Section 104.3.2 Authority to Inspect is added as follows:*

**Section 104.3.2 Authority to Inspect.** The Fire Safety Division and/or the Fire Department shall inspect, as often as necessary, buildings and premises, including such other hazards or appliances designated by the chief for the purpose of ascertaining and causing to be corrected any conditions which would reasonably tend to cause fire or contribute to its spread, or any violation of the purpose or provisions of the Fire Code and of any other law or standard affecting fire safety.

**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.

**Section 105.1.1.1 Permit and Service Fee Schedule.**

A new Section 105.1.1.1 Permit and Service Fee Schedule is added as follows:

**105.1.1.1 Permit and Service Fee Schedule.** Fees for permits, inspections, plan checks and other services shall be as set forth in the Development Services schedule of fees, as adopted and amended from time to time by the Henderson City Council (HMC 15.02).

**Section 105.1.4.1 Certificate of Insurance; Certificate Information Required.**

Attachment A, Section 105.1.4.1 Certificate Information Required is amended to read as follows:

**105.1.4.1 Certificate Information Required.** The certificate shall be issued by an insurance company authorized to conduct business in the State of Nevada, or be named on the list of authorized insurers maintained by the Nevada Department of Business and Industry, Division of Insurance.

The following information shall be provided on the certificate:

1. The contractor shall be named as the insured. If the insurance is provided by an individual, company or partnership other than the contractor, the contractor shall be named as an additional insured.
2. The City of Henderson, its agents, employees and volunteers” shall be named as both an additional insured and certificate holder.
3. General liability limits, including contractual liability, in the minimum amounts specified below of the specific operation being conducted:
  - a. \$2,000,000 to erect temporary membrane structures, tents, or canopies. See Chapter 24.
  - b. \$5,000,000 to use explosive materials or to conduct pyrotechnic displays. See Chapter 33.
  - c. \$2,000,000 to operate a special amusement building. See Chapter 9.

**Section 105.6.35 Private fire hydrants**

Section 105.6.35 Private fire hydrants is amended to read as follows:

**105.6.35 Private fire hydrants.** An operational permit is required for facilities that have private fire hydrants.

**Section 105.6.54 Mobile fueling vehicle**

Attachment A, Section 105.6.54 Mobile fueling vehicle is amended to read as follows:

**105.6.54 Mobile fueling vehicle.** An operational permit is required to operate a mobile fueling vehicle when the business is located within the city of Henderson. See Chapter 34.

**Section 105.6.61 Wood pallets**

Attachment A, Section 105.6.61 Wood pallets is amended to read as follows:

**105.6.61 Wood or plastic pallets.** An operational permit is required for new and existing facilities which store more than 50 idle pallets on site, either inside or outside of a building.

**Section 105.7.11 Fire Hydrants and Associated Supply Piping.**

Attachment A, Section 105.7.11 Fire Hydrants and Associated Supply Piping is amended to read as follows:

**105.7.11 Fire Hydrants and Associated Piping.** Approval is required for the installation or modification of fire hydrants, including temporary hydrants and the associated supply piping.

**Section 108.1 Board of appeals established.**

Attachment A, Section 108.1 Board of appeals established is amended to read as follows:

**108.1 Board of appeals established.** A board of appeals is established in HMC 15.01.115.

**Section 109.3 Violation penalties.**

Section 109.3 Violation penalties is amended by adding a second paragraph as follows:

**109.3 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 provisions of this code, shall be guilty of a misdemeanor. Each day that a violation continues after due notice has been served shall be deemed a separate offense.*

The penalties referenced in the above paragraph are established in HMC 15.01.120.

**Section 307.4 Location.**

Section 307.4 Location is amended to read by adding a third exception as follows:

**307.4 Location.** *The location for open burning shall not be less than 50 feet (15 240 mm) from any structure, and provisions shall be made to prevent the fire from spreading to within 50 feet (15 240 mm) of any structure.*

**Exceptions:**

1. Fires in *approved* containers that are not less than 15 feet (4572 mm) from a structure.
2. The minimum required distance from a structure shall be 25 feet (7620 mm) where the pile size is 3 feet (914 mm) or less in diameter and 2 feet (610 mm) or less in height.
3. One- and two-family dwellings utilizing Liquefied Petroleum Gas or Natural Gas fuels when installed under a construction permit issued by the *building code official*.

**Section 315.2.2 Means of egress.**

Section 315.2.2 Means of egress is amended by adding section 315.2.2.1 Group A occupancies as follows:

**315.2.2 Means of egress.** *Combustible materials shall not be stored in exits or exit enclosures.*

**315.2.2.1 Group A occupancies.** *Corridors and hallways serving new and existing Group A Occupancies that are oversized with floor space exceeding the required egress width are permitted to contain combustible storage incidental to the use of the occupancy when all of the following are provided:*

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1. Quick response sprinklers designed per the requirements for an ordinary hazard group II occupancy.
2. Approved permanent durable floor plan(s) showing the assembly use, storage area, corridors and hallways are installed at a location(s) as required by the fire code official.
3. Approved permanent delineation on the floor surface of the corridor or hallway marking the extent of permitted storage.
4. Plans approved by the building code official identifying the minimum required width of the corridors or hallways.

The fire code official is authorized to require the installation of barriers when storage violations that obstruct the egress width occur. Barriers shall be a minimum of 8 feet (2438 mm) in height if walls or fencing are used. Barriers may include the following:

1. Cabinets
2. Walls
3. Fencing

**Section 318.2.1.2 Exhibition and Trade Shows, Automatic Sprinklers.**

Attachment A, Section 318.2.1.2 Automatic Sprinklers is amended to read as follows:

**Section 318.2.1.2 Automatic Sprinklers.** Each level of multi-level exhibit booths shall be protected by an automatic fire sprinkler system installed within the booth when the accessible floor area of the upper walking level(s) is greater than 1,000 sq. ft. (93 sq. m.).

**Section 318.2.2 Exhibition and Trade Shows, Horizontal Separation between Booths.**

Attachment A, Section 318.2.2 Horizontal Separation between Booths is amended to read as follows:

**Section 318.2.2. Horizontal Separation between Booths.** A covered exhibit booth(s) that does not require fire sprinklers shall be separated by a distance of not less than 8 ft. (2.4 m) from any other covered exhibit booth(s) where the aggregate ceiling exceeds 1,000 sq. ft. (93 sq. m.).

**Section 318.5(9) Exhibition and Trade Shows, Plans.**

Attachment A, Section 318.5(9) Plans is amended to read as follows:

**Section 318.5(9). Plans.** Temporary fire protection systems to be installed.

**Section 320.5 Special Activity Lots; Wiring and lighting.**

Attachment A, Section 320.5 Wiring and lighting is amended to read as follows:

**320.5 Wiring and lighting.** Wiring and lighting shall be permitted, installed and inspected in accordance with the adopted Electric Code.

**Section 321.10.4 Motion Picture and Television Production Studio, Sound Stages, Production Facilities and Production Locations; Wiring.**

Attachment A, Section 321.10.4 Wiring is amended to read as follows:

**321.10.4 Wiring.** Wiring and lighting shall be permitted, installed and inspected in accordance with the adopted Electric Code.

**Section 503.1.1 Buildings and facilities.**

Attachment A, Section 503.1.1 Buildings and facilities is deleted in its entirety.

**Section 503.1.2 Additional access.**

Section 503.1.2 Additional access is amended by adding a second paragraph and an exception as follows:

**503.1.2 Additional access.** The fire code official is authorized to require more than one fire apparatus access road based on the potential for impairment of a single road by vehicle congestion, condition of terrain, climatic conditions or other factors that could limit access.

Approved secondary access shall be provided for 20 or more dwelling units, road(s) with dead ends or with a single point of access in excess of 600 feet (182 880 mm), and for all commercial and industrial developments.

**Exception:** Hillside Ordinance - HMC Title 19.

**Section 503.2.1.1 Group R, Division 3 Residential Subdivisions.**

A new section 503.2.1.1 Group R, Division 3 Residential Subdivisions is added as follows:

**503.2.1.1 Group R, Division 3 Residential Subdivisions.** For Group R, Division 3 Residential Subdivisions, the minimum width of a fire apparatus access road is 36 feet (10 973 mm), measured face of curb to face of curb (i.e., 20 feet (6096 mm) driving lane with 8 feet (2438 mm) of parking on each side).

**Exception:** For cluster home developments, as defined in HMC Title 19.6.6/E, the last 150 feet (45 720 mm) may be reduced to 24 feet (7315 mm) in width (face of curb to face of curb) provided the homes are provided with an approved automatic sprinkler system and on-street parking is prohibited.

**Section 503.2.7 Grade.**

*Attachment A, Section 503.2.7 Grade is amended by adding an exception as follows:*

**503.2.7 Grade** The grade of the fire apparatus access road shall not exceed 12 percent (.21 rad.).

**Exception:** Hillside Ordinance - HMC Title 19

**Section 506.1 KEY BOXES; Where required.**

*Section 506.1 Where required is amended to read as follows:*

**506.1 Where required - Restricted access.** Where access to or within a structure or 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. Buildings with fire sprinkler or fire alarm systems, or buildings not equipped with an exterior means of electrical disconnect, shall be provided with a key box. The key box shall be of an *approved* type and shall contain keys to gain necessary access as required by the *fire code official*.

Key boxes shall be located as follows:

1. Adjacent to the Fire Command Center, if applicable.
2. Adjacent to the exterior entrance door to the Sprinkler Riser Room.
3. Adjacent to the main entry for buildings with fire alarm systems or sprinklered buildings without riser rooms.
4. Adjacent to the exterior entrance door to the fire pump room.

Key boxes shall be installed within 5 feet (1524 mm) to 6 ½ feet (1981 mm) to the top of the box above finished grade.

In new and existing buildings, keys for all lockable doors, exterior or interior, utilized to access fire alarm panel(s), main sprinkler control valve(s) and fire pump(s) shall be placed into the key box. Whenever locks are changed, the building owner or tenant shall replace old keys inside the key box with new keys.

**Section 507.2.1.1 Post Indicator Valves.**

*A new section 507.2.1.1 Post Indicator Valves is added as follows:*

**507.2.1.1 Post Indicator Valves.** Post indicator valve(s) shall be a minimum of 5 feet (1524 mm) from the building footing.

**Section 507.4 Water supply test.**

*Section 507.4 Water supply test is amended to read as follows:*

**507.4 Water supply test - Permit required.** An operational permit is required to use or operate fire hydrants or valves controlling fire hydrants.

**Section 507.4.1 Fire flow or Fire Sprinkler Design water supply information.**

*A new section 507.4.1 Fire flow or Fire Sprinkler Design water supply information is added as follows:*

**507.4.1 Fire flow or Fire Sprinkler Design water supply information.** Water supply information for fire flow or fire sprinkler system design is provided by the City of Henderson. Requests for the available flow at 20 psi shall be submitted on the designated form to the City. When available, hydraulic modeled water supply information provided by the City shall be used as the basis for fire flow or fire sprinkler design.

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 downstream 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

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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.

**Section 507.4.2 Water supply field test.**

*A new section 507.4.2 Water supply field test is added as follows:*

**507.4.2 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.

**Section 607.4.1 Elevator Keys.**

*Attachment A, Section 607.4.1 Elevator Keys is amended to read as follows:*

**607.4.1 Elevator Keys.** All new and existing elevator car(s) and panel key switches for elevators serving floors eight (8) and more stories above grade that are equipped with phase II operation shall use a standard 3502 elevator key by July 5, 2014.

**Section 901.2.3 Plans.**

*Attachment A, Section 901.2.3 Plans is amended to read as follows:*

**901.2.3 Plans for fire protection systems.** Complete plans and specification for fire protection systems shall be submitted to the fire code official for review and be approved prior to system installation. Approved plans shall be kept readily available on the job site.

The licensee (contractors Master or Qualified Employee) information shall be on submittals as per Nevada Administrative Code, Nevada Revised Statutes, and the Nevada Blue Book.

As required by NAC 477, a designer of fire sprinkler and fire alarm systems shall hold a certification in their respective discipline from the National Institute for Certification in Engineering Technologies (NICET) or an equivalent certification (e.g., plans and calculations prepared by a Nevada Registered Professional Engineer working in their area of expertise). A designer of fire sprinkler and alarm systems shall hold, at a minimum, a Level II certification in their respective discipline from NICET or an equivalent certification as required by NAC 477.

As required by NAC 477, a designer of special hazard suppression systems shall hold a certification in their respective discipline from the National Institute for Certification in Engineering Technologies (NICET) or an equivalent certification (e.g., plans and calculations prepared by a Nevada Registered Professional Engineer working in their area of expertise). A designer of special hazard suppression systems shall hold, at a minimum, a Level I certification in their respective discipline from NICET or an equivalent certification as required by NAC 477.

Submittals shall include the designer's printed name, certificate number, and wet signature.

**Section 901.6.2 Records.**

*Attachment A, Section 901.6.2 Records is amended to read as follows:*

**901.6.2 Records.** Records of all system inspections, tests and maintenance required by the referenced standards shall be maintained on the premises for a minimum of three years and shall be copied to the *fire code official* upon request.

Inspection reports shall mirror in form and content the sample inspection reports posted on the City of Henderson web site.

**Section 901.6.4 Contractor Licensing.**

*A new section 901.6.4 Contractor Licensing is added as follows:*

**901.6.4 Contractor Licensing.** Fire protection contractors/companies shall be licensed as required by the Nevada State Fire Marshal Regulations (NAC 477) and Nevada Revised Statutes (NRS). A valid business license from the City of Henderson is also required.

**Section 901.6.5 Service Contract.**

*A new section 901.6.5 Service Contract is added as follows:*

**901.6.5 Service Contract.** A written agreement for the service of fire protection systems, including fixed fire extinguishing systems, fire alarm, fire sprinkler and standpipe systems shall be contracted for by the owner (NAC 477.365, 477.410, 477.430, 477.465 & 477.820). For new systems, a copy of the service contract shall be provided to the *fire code official* within 30 days of completion of the installation acceptance testing for each fire protection system.

**Section 901.6.5.1 Service Contract Holder Responsibilities**

A new section 901.6.5.1 Service Contract Holder Responsibilities is added as follows:

**901.6.5.1 Service Contract Holder Responsibilities.** The company providing inspection, testing and maintenance service for fire protections systems shall comply with the all of the following:

1. Prior to the inspection, testing or maintenance of a fire protection system, the Henderson Fire Dispatch Center shall be notified by the company of the location of the test and the approximate time that the system will be out of service. Upon completion, the Henderson Fire Dispatch Center shall be notified that the system has been returned to service.
2. Perform all inspections and testing methods in accordance with applicable National Fire Protection Association (NFPA) Standards and the Nevada State Fire Marshal Regulations (NAC 477).
3. Notify the fire code official in writing within 48 hours of any impairment identified by testing or inspection that is not fully repaired and brought into complete code compliance within 30 days.
4. Provide a copy of the inspection report to the owner or owner's designee with 48 hours of the completion of the inspection.
  
5. Comply with the requirements of 901.7 whenever the testing or inspection reveals that the system has been disabled or is out of service.
6. Notify the fire code official in writing within 24 hours whenever a service contract is cancelled or not renewed.
7. Comply with the requirements of sections 901.6, 901.7 & 901.9 as applicable.

**Section 903.2 Where required.**

Attachment A, Section 903.2 Where required is amended to read as follows:

**903.2 Where required.** Approved automatic sprinkler systems in new buildings and structures shall be provided throughout all buildings, regardless of occupancy type, exceeding 5,000 sq ft (464 m<sup>2</sup>) in building area, and additionally in locations described in Section 903.2.1 through 903.2.12.

**Exceptions:**

1. Open parking garages with no other occupancy above any part of the open parking garage structure are not required to be protected with automatic sprinklers.
2. Buildings, structures, or service equipment and installations directly used in utility generation or distribution which are installed on properly recorded easements belonging to water, gas, power, telephone, or other utility companies that are preemptively regulated by the Nevada Public Service Commission, a State of Nevada charter, or other public franchise. This exception does not apply to non-exempted buildings or structures containing occupiable spaces such as offices, meeting rooms, service counters, public restrooms, or other normally occupied space.

If any fire area in a building or structure is provided with fire sprinklers, whether required or not, all fire areas in the building or structure shall be provided with fire sprinklers.

**Exceptions:**

1. Where a building is subdivided into separate buildings, each having a total building area of less than 5,000 sq ft (464 m<sup>2</sup>), by 4-hour rated fire walls with no openings constructed in accordance with the IBC.
2. Special hazard areas that require sprinklers for certain uses, such as medical gas rooms, may be fire sprinklered without requiring additional fire sprinklers, when approved by the *code official*.

For new construction expanding existing buildings, where an addition to any existing non-sprinklered building or structure expands the total area to greater than 5,000 square feet (464 m<sup>2</sup>), the entire building, including the existing portions, shall be provided with fire sprinklers.

**Exceptions:**

1. Group R-3 occupancies with fire flow in accordance with Appendix B.
2. Where the area of the addition does not exceed 25% of the original building area at the time of construction and the area of the addition does not exceed 5,000 square feet (464 m<sup>2</sup>).

**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 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 (30 480 mm) 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.g. 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 907.7.3.1 Alarm Annunciator.**

Attachment A, Section 907.7.3.1 Alarm Annunciator is amended to read as follows:

**907.7.3.1 Alarm Annunciator.** Alarm annunciators shall comply with section 907.7.3.1.1 and 907.7.3.1.3 or 907.7.3.1.2 and 907.7.3.1.3:

**907.7.3.1.1 Non high-rise buildings.** Buildings not defined as high-rise buildings in the International Building Code shall comply with all of the following as applicable:

1. If a building has a main entrance/foyer, a remote annunciator shall be provided inside the building at the main entrance/foyer.
  - a. **Exception:** When the fire alarm control unit is located inside the building at the main entrance/foyer, a remote annunciator is not required at the main entrance/foyer.

2. If a building has a fire riser room with an exterior door, a remote annunciator shall be provided within the fire riser room.
  - a. **Exception:** When the fire alarm control unit is located within the fire riser room, a remote annunciator is not required within the fire riser room.

**907.7.3.1.2 High-rise Buildings.** Buildings defined as high-rise buildings in the International Building Code shall provide annunciation in the Fire Command Center and other approved locations.

**907.7.3.1.3 Alphanumeric Display.** The location of an initiating device in alarm shall be displayed by alphanumeric display at the annunciator(s). The alphanumeric display shall state the device type, the floor level (if applicable), the device address and a descriptive location for the device in alarm.

#### **Section 907.7.5 Monitoring.**

Attachment A, Section 907.7.5 Monitoring is amended to read as follows:

**907.7.5 Monitoring.** Fire alarm systems required by this chapter or by the IBC shall be monitored by an approved supervising station in accordance with NFPA 72 and with the *fire code official* guideline. Home care facilities that are licensed by the State of Nevada are also required to be monitored per this section. Proprietary Supervising Station Systems (also called self-monitoring systems), when allowed by the *fire code official*, shall be in accordance with the IFC, with NFPA 72, and with the *fire code official* guidelines.

**Exceptions:** Monitoring by a supervising station is not permitted unless specifically approved by the *fire code official* for:

1. Single- and multiple station smoke alarms required by Section 907.2.11.
2. Automatic sprinkler systems in one- and two-family dwellings.
3. Manual fire alarm systems, when provided with approved signs in the following locations: directly below the horn and strobe located on the exterior of the building and adjacent to each manual pull station. The signs shall read as follows: WHEN ALARM SOUNDS - CALL 911. The signs below the horns and strobes shall be of durable material with permanent lettering having a 2" minimum height and minimum ½" stroke on a contrasting background. The sign adjacent to each pull station shall be of durable material with

permanent lettering having a ¼" minimum height on a contrasting background.

In occupancies provided with a fire alarm system, the following five distinctly different alarm signals shall be transmitted to an approved supervising station:

1. Water Flow Alarm, if provided with a fire sprinkler system.
2. Fire Alarm.
3. System Trouble.
4. Supervisory, when applicable.
5. Valve Tamper Supervisory, if provided with a fire sprinkler system.

For new and existing facilities the supervising station shall only retransmit Water Flow Alarm signals to the Fire Department.

**Exception:** The supervising station servicing government buildings, schools and hospitals shall also retransmit fire alarm and valve tamper alarms.

**Section 907.7.8.2 Secondary Response Point.**

Attachment A, Section 907.7.8.2 Secondary Response Point is deleted in its entirety.

**Section 916.7 Size.**

Attachment A, Section 916.7 Size; is amended to read as follows.

**916.7 Size.** The riser room shall have a minimum area of 16 square feet (1.49 m<sup>2</sup>), with a minimum dimension of 4 feet (1219 mm), for the first sprinkler riser, plus 10 square feet (0.84 m<sup>2</sup>) for each additional riser.

**Section 1028.6.2.3 Smoke-protected seating, Automatic sprinklers.**

Attachment A, Section 1028.6.2.3; Automatic Sprinklers is amended to read as follows.

**1028.6.2.3 Automatic Sprinklers.** Enclosed areas with walls and ceilings in buildings or structures containing *smoke-protected assembly seating* shall be protected with an *approved automatic sprinkler system* in accordance with Section 903.3.1.1.

**Exception:** Outdoor seating facilities where seating and the *means of egress* in the seating area are essentially open to the outside.

**Section 1108 Emergency Helicopter Landing Pad.**

Attachment A, Section 1108 Emergency Helicopter Landing Pad is deleted in its entirety.

**Section 3307.3 Blasting**

Attachment A, Section 3307.3 Blasting is amended to read as follows:

**3307.3 Blasting.** When blasting is done in close proximity to a structure, railway or highway, development, quarry, or any other installation, precautions shall be taken to minimize earth vibrations and air blast effects. Blasting mats or other protective means shall be used to prevent fragments from being thrown.

Blasting for new development such as subdivisions and commercial uses is regulated in HMC 15.33 entitled "Blasting Regulations". The fire code official is authorized to exercise discretionary authority in utilizing any of the requirements from HMC 15.33 when evaluating other requests for blasting.

**Section 3308.1.1 Additional Requirements for Outside Fireworks Displays.**

A new section 3308.1.1 Additional Requirements for Outside Fireworks Displays is added as follows:

**3308.1.1 Additional Requirements for Outside Fireworks Displays.** The following conditions apply to fireworks displays:

1. Fireworks displays shall not exceed eight times per calendar year at any one location.
2. Fireworks displays shall only occur on Friday and Saturday nights, with the sole exception of New Years Eve and July 4<sup>th</sup>. On New Year's Eve and July 4<sup>th</sup>, fireworks must conclude by 12:30a.m. (Including misfires). On any other occasion, fireworks must conclude by 10:30 p.m. (including misfires).
3. Notification of the fireworks display must be provided not more than 30 days and not less than 10 days prior to the fireworks display, to all occupancies and residences, as specified in the permit. A copy of the notification plan shall be included with the permit application.
4. Fireworks displays will be cancelled or postponed when the wind velocity is in excess of 15 mph for aerial displays and when the wind velocity is in excess of 20 mph for ground displays. All advertising for the fireworks display shall contain a disclaimer advising that "The fireworks displays will be cancelled or postponed when the wind velocity is in excess of 15 mph".

5. Other fireworks displays for special events may be considered on an individual basis.

**Section 3804.2 Liquefied petroleum gas storage containers.**

Attachment A, Section 3804.2 Liquefied petroleum gas storage containers is amended to read as follows:

**3804.2 Liquefied petroleum gas storage containers.** The storage of liquefied petroleum gas exceeding a water capacity of 250 gallons (946.25 L) is prohibited for the protection of heavily populated or congested areas.

**Exception:** When approved by the planning or zoning authority and when approved by the fire code official.

**Section 4604.23 Egress path markings.**

Section 4604.23 Egress path markings is deleted in its entirety from both attachment A and the 2009 International Fire Code.

**Appendix J Sections 103.4 through 103.4.3 Department radios, Number of radios, Radio model, Warranty and ownership transfer.**

Attachment A, Appendix J; Sections 103.4 through 103.4.3 Department radios, Number of radios, Radio model, Warranty and ownership transfer are deleted in their entirety.

**Appendix K Section 103.1 Qualifications.**

Attachment A, Appendix K; Section 103.1 Qualifications is amended to read as follows:

**K103.1** Proprietary supervising stations shall be operated by trained personnel in constant attendance who are responsible to the owner of the protected property.

**Chapter 47 NFPA 13 Section 8.15.7.5 Exterior Roofs, Canopies, or Porte-Cochere.**

NFPA 13 Section 8.15.7.5 Exterior Roofs, Canopies, or Porte-Cochere is amended to read as follows:

**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 normally parked, stopped or standing and the drivers remain with their vehicles.

**Chapter 47 NFPA 13 Section 9.3.6.7 Restraint of Branch Lines.**

*NFPA 13 Section 9.3.6.7 Restraint of Branch Lines is amended to read as follows:*

9.3.6.7 Drops and armovers less than 10 feet (3048 mm) shall not require restraint. Drops of 10 feet (3048 mm) or longer shall be restrained against lateral movement.

**Chapter 47 NFPA 20 Section 4.2.1.1 Pump Shutoff Pressure.**

*NFPA 20 Section 4.2.1.1 Pump Shutoff Pressure is added as follows:*

4.2.1.1 When selecting a fire pump the designer may utilize the portion of the pump curve between 90 and 140 percent of the rated capacity based on system demand. The net pump shutoff (churn) pressure plus the maximum static suction pressure, adjusted for elevation, shall not exceed the pressure for which the system components are rated. Fire pumps shall be sized to supply the most demanding system without oversizing the fire pump.

**Chapter 47 NFPA 17 Section 9.5.1 System Annunciation Requirements.**

*NFPA 17 Section 9.5.1 is amended to read as follows:*

9.5.1 Upon activation of a fixed automatic fire-extinguishing system, an audible and visual notification appliance shall be provided to show that the system has activated.

**Chapter 47 NFPA 17A Standard for Wet Chemical Extinguishing Systems.**

*NFPA 17A Sections 4.8 and 5.2.1.8 are amended to read as follows:*

4.8 Wet chemical systems shall be provided with an audible and visual notification appliance to show that the system is in a ready condition or is in need of recharging.

5.2.1.8 An audible and visual notification appliance shall be provided to show that the system has operated, that personnel response is needed, and that the system is in need of recharge.

**Chapter 47 NFPA 96 Section 10.6.1 System Annunciation.**

*NFPA 96 Section 10.6.1 is amended to read as follows:*

10.6.1 Upon activation of an automatic fire-extinguishing system, an audible and visual notification appliance shall be provided to show that the system has activated.

Repealing Chapter 15.32 The City of Henderson Fire Code and Adopting  
a New Chapter 15.32 Entitled City of Henderson Fire Code

**15.32.060 Enforcement Authority.**

A Fire Safety Division is established within the Building and Fire Safety Department. The City of Henderson Fire Code shall be enforced by the Fire Safety Division, which shall be operated under the direction of the City of Henderson Fire Marshal. The primary function of the Fire Safety Division will be to assist the Fire Chief in the administration and enforcement of the Fire Code. Management oversight of the Fire Safety Division is provided by the Director of the Building and Fire Safety Department. The Fire Chief has the final decision making authority on all technical fire code issues.

**15.32.070 State Fire Marshal's Regulations.**

Pursuant to NAC 477.280, the Building and Fire Safety Department shall enforce the Nevada State Fire Marshal Regulations as adopted by the State Fire Marshal.

**15.32.080 Citations.**

The City of Henderson Fire Marshal, the Deputy Fire Marshal(s), the Fire Investigators, and members of Code Enforcement for the Henderson Building and Fire Safety Department may prepare, sign, and serve written citations on persons accused of violating any provision of this title. Any designated employee issuing a citation pursuant to this section shall comply with the provisions of NRS 171.1773.

**15.32.090 Appeals and Relief from Regulations.**

All decisions made by the City of Henderson Fire Marshal, the Deputy Fire Marshal(s), members of the Building and 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. (Ord.2738 § 2, 2008; Ord. 2242 § 2 (part), 2003)

**15.32.100 Penalties.**

A. Any person, firm, or corporation who violates any of the provisions of the Code shall be deemed guilty of a misdemeanor and each such person shall be deemed guilty of a separate offense for each and every day or portion thereof during which any violation of any of the provisions of this code is committed, continued, or permitted, and upon conviction of any such violation such person shall be punished as the law allows for a misdemeanor crime.

B. The application of the above penalty shall not be held to prevent the enforced removal of prohibited conditions. Ord. 2242 § 2 (part), 2003

**15.32.110 Permit and Service Fee Schedule.**

Fees for permits, inspections, plan checks and other services shall be as set forth in the Development Services Schedule of Fees, as adopted and amended from time to time by the Henderson City Council (HMC 15.02).

**15.32.120 Effective Date.**

This ordinance shall become effective on July 5, 2011.

SECTION 3. If any section, subsection, paragraph, clause or provision of this Ordinance shall for any reason be held invalid or unenforceable, the invalidity or unenforceability of such section or subsection, paragraph, clause or provision shall not affect any of the remaining provisions of this Ordinance.

SECTION 4. All ordinances, or parts of ordinances, sections, subsection, phrases, sentences, clauses or paragraphs contained in the Municipal Code of the City of Henderson, Nevada, in conflict herewith are repealed and replaced as appropriate.

SECTION 5. A copy of this Ordinance shall be filed with the office of the City Clerk, and notice of such filing shall be published once by title in the Review Journal, a newspaper having general circulation in the City of Henderson, at least ten (10) days prior to the adoption of said Ordinance, and following approval shall be published by title (or in full if the Council by majority vote so orders) together with the names of the Councilmen voting for or against passage for at least one (1) publication before the Ordinance shall become effective. This Ordinance is scheduled for publication on January 21, 2011, in the Review Journal.

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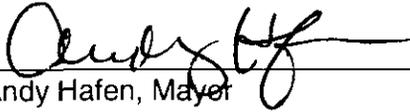
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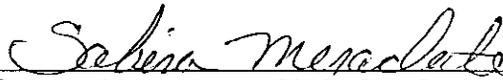
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PASSED, ADOPTED, AND APPROVED THIS 18<sup>th</sup> DAY OF JANUARY, 2011.

  
Andy Hafen, Mayor

ATTEST:

  
Sabrina Mercadante, CMC, City Clerk

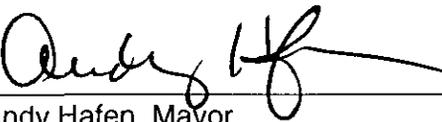
The above and foregoing Ordinance was first proposed and read in title to the City Council on January 4, 2011, which was a Regular Meeting, and referred to a Committee of the following Councilmen:

“COUNCIL AS A WHOLE”

Thereafter on January 18, 2011, said Committee reported favorably on the Ordinance and forwarded it to the Regular Meeting with a do-pass recommendation. At the Regular Meeting of the Henderson City Council held January 18, 2011, the Ordinance was read in title and adopted by the following roll call vote:

Those voting aye: Mayor Andy Hafen  
Councilmembers:  
Kathleen Boutin  
Steven D. Kirk  
Debra March  
Gerri Schroder

Those voting nay: None  
Those abstaining: None  
Those absent: None

  
Andy Hafen, Mayor

ATTEST:

  
Sabrina Mercadante, CMC, City Clerk