

SECOND AMENDMENT

BILL NO. 87-44

Ordinance No. 3318

AN ORDINANCE PROVIDING FOR THE ADOPTION OF A FIRE CODE; AMENDING TITLE 16, CHAPTER 16, SECTION 10, OF THE MUNICIPAL CODE OF THE CITY OF LAS VEGAS, NEVADA, 1983 EDITION, BY DELETING ALL REFERENCES TO THE 1982 EDITIONS OF THE UNIFORM FIRE CODE AND THE UNIFORM FIRE CODE STANDARDS ADOPTED BY REFERENCE THEREIN AND ADOPTING BY REFERENCE, IN LIEU THEREOF, THE 1985 EDITIONS OF THE UNIFORM FIRE CODE AND THE UNIFORM FIRE CODE STANDARDS AS PART I OF SAID CHAPTER; REPEALING IN ITS ENTIRETY THE EXISTING SUPPLEMENTAL DOCUMENT, AND AMENDMENTS THERETO, ADOPTED BY REFERENCE THEREIN AND ADOPTING BY REFERENCE, IN LIEU THEREOF, A NEW SUPPLEMENTAL DOCUMENT, ENTITLED: "A SUPPLEMENTAL DOCUMENT AMENDING THE UNIFORM FIRE CODE, 1985 EDITION" AS PART II OF SAID CHAPTER, WHICH ADDS VARIOUS PROVISIONS TO THE UNIFORM FIRE CODE, 1985 EDITION; PROVIDING OTHER MATTERS PROPERLY RELATING THERETO; PROVIDING PENALTIES FOR THE VIOLATION HEREOF; AND REPEALING ALL ORDINANCES OR PARTS OF ORDINANCES IN CONFLICT HEREWITH;

Sponsored by:
Mayor Ron Lurie

Summary: Adopts the 1985 Edition of the Uniform Fire Code, together with a supplemental document providing amendments thereof, deletions therefrom and additions thereto, as the City's Fire Code.

THE CITY COUNCIL OF THE CITY OF LAS VEGAS DOES ORDAIN AS FOLLOWS:

SECTION 1: Title 16, Chapter 16, Section 10, of the Municipal Code of the City of Las Vegas, Nevada, 1983 Edition, is hereby amended to read as follows:

16.16.010: Those certain documents, three copies of which are on file in the office of the City Clerk[,] and are marked and designated as follows, are adopted by reference as the Fire Code of the City:[,] and made a part of this Chapter as if they were fully set forth herein:]

(A) As Part I of this Chapter, the Uniform Fire Code, 1985 Edition, and the Uniform Fire Code Standards, [1982] 1985 Edition:[,] as prepared by the International Conference of Building Officials, and

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the Western Fire Chiefs Association, save and except such provisions thereof as are herein supplemented, amended, modified or deleted;] and (B) As Part II of this Chapter, a supplemental document, supplementing, amending, modifying, adding to and deleting from the Uniform Fire Code, [1982] 1985 Edition.

SECTION 2: If any section, subsection, subdivision paragraph, sentence, clause or phrase in this ordinance or any part thereof, is for any reason held to be unconstitutional or invalid or ineffective by any court of competent jurisdiction, such decision shall not affect the validity or effectiveness of the remaining portions of this ordinance or any part thereof. The City Council of the City of Las Vegas, Nevada, hereby declares that it would have passed each section, subsection, subdivision, paragraph, sentence, clause or phrase thereof, irrespective of the fact that any one or more sections, subsections, subdivisions, paragraphs, sentences, clauses or phrases be declared unconstitutional, invalid or ineffective.

SECTION 3: Whenever in this ordinance any act is prohibited or is made or declared to be unlawful or an offense or a misdemeanor, or whenever in this ordinance the doing of any act is required or the failure to do any act is made or declared to be unlawful or an offense or a misdemeanor, the doing of any such prohibited act or the failure to do any such required act shall constitute a misdemeanor and upon conviction thereof, shall be punished by a fine of not more than \$1,000.00 or by imprisonment for a term of not more than six months, or by any combination of such fine and imprisonment. Any day of any violation of this ordinance shall constitute a separate offense.

SECTION 4: All ordinances or parts of ordinances, sections, subsections, phrases, sentences, clauses or paragraphs

1 contained in the Municipal Code of the City of Las Vegas, Nevada,
2 1983 Edition, in conflict herewith are hereby repealed.

3 PASSED, ADOPTED and APPROVED this 21st day of
4 October, 1987.

5 APPROVED:

6
7 By RL
8 RON LURIE, Mayor

9 ATTEST:

10 Kathleen M. Tighe
11 KATHLEEN M. TIGHE, City Clerk

Approved
[Signature]
10-23-87

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1 A SUPPLEMENTAL DOCUMENT AMENDING THE UNIFORM
2 FIRE CODE, 1985 EDITION

3 Certain parts, articles, divisions, sections and subsec-
4 tions of the 1985 Edition of the Uniform Fire Code are hereby
5 supplemented, modified, amended and deleted as is provided for in
6 this Supplemental Document. If a conflict exists between any
7 provision of this Supplemental Document and any provision of the
8 Uniform Fire Code, 1985 Edition, or the Uniform Building Code,
9 1985 Edition, the provisions of this Supplemental Document shall
10 prevail.

11 SECTION 1: Part I of the Uniform Fire Code, 1985
12 Edition, is hereby amended by adding thereto a new article,
13 designated as Article 5, reading as follows:

14 ARTICLE 5
15 FIRE MARSHAL REGULATIONS

16 Division I
17 IDENTIFICATION OF PREMISES

18 Directory Required

19 Sec. 5.101. Apartment complexes, condominiums, residen-
20 tial complexes for retired persons and mobile home parks that do
21 not follow the standard city street numbering patterns or guide-
22 lines shall display a permanent directory in a conspicuous loca-
23 tion, either at the main entrance or just outside the main office
24 thereof that contains the information that is required by subsec-
25 tions (a) to (g), inclusive, of this Section 5.101.

26 (a) The directory shall be of sufficient size that let-
27 ters, numbers, streets and similar means of identification are
28 easily read from the closest vehicular access.

29 (b) The directory shall have lighting so as to be
30 visible and readable at night.

31 (c) The directory shall give locations of different
32 buildings apartment or space number.

1 (d) The directory shall be so designed as to show
2 those buildings, apartments, or mobile home spaces in relation to
3 the streets, driveways, or walkways servicing each.

4 (e) The owners and/or operators of those complexes or
5 mobile home parks shall be required to supply thirty (30) printed
6 8-1/2 by 11 inch copies of the directory to the Fire Department.

7 (f) The owners and/or operators of these complexes or
8 mobile home parks shall be required to correct the directory and
9 supply corrected printed directories to the Fire Department
10 whenever additions, alterations or corrections are made to the
11 complexes or mobile home parks.

12 (g) The printed directories shall show the location of
13 hydrants on roadways, walkways, or parking lots which are located
14 within or immediately adjacent to the complexes or mobile home
15 parks.

16 Division II
17 FIRE DRILLS

18 Frequency and Manner of Conducting

19 Sec. 5.201. (a) Fire drills shall be held at least
20 once a month in Educational Occupancies where such occupancies
21 constitute the major occupancy of a building and a minimum of
22 once a month on each shift in institutional occupancies. During
23 severe weather fire drills shall be rescheduled. A record of
24 all fire drills shall be kept and the person in charge of such
25 occupancies shall file written reports at least quarterly with
26 the Fire Prevention Division giving the time and date of each
27 drill held. Such records shall be attested to by the signature
28 of the person or persons conducting said fire drills.

29 (b) In Educational Occupancies, fire drills shall
30 be conducted in accordance with NRS 392.450 and 394.170 and shall
31 include complete evacuation of all persons from the building. In
32 Institutional Occupancies, fire drills shall be conducted to fami-

1 liarize operating personnel with their assigned positions of
2 emergency duty. Complete evacuation of occupants from the
3 building in Institutional Occupancies at the time of the fire
4 drill shall be required only where it is practical and does not
5 involve moving non-ambulatory patients or disturbing persons
6 under medical care.

7 (c) In R type Occupancies fire drills shall be required
8 at the discretion of the Chief.

9 Division III
10 PORTABLE EXTINGUISHING EQUIPMENT FOR APARTMENTS

11 Type Required and Location

12 Sec. 5.301. (a) At least one (1) Class 2A10BC rated
13 fire extinguisher shall be installed on the exterior of each
14 building that is intended to be occupied by a tenant and main-
15 tained by apartment building owner/managers.

16 (b) Apartment buildings are "apartment houses" as
17 defined in the 1985 Uniform Fire Code, Section 9.103. In accor-
18 dance with the 1985 Uniform Fire Code Standard No. 10-1, portable
19 fire extinguishers shall be located as stipulated in Chapter 3 of
20 said Standard. Extinguishers shall be serviced in accordance
21 with the current Nevada State Fire Marshal Regulations.

22 (c) In lieu of requirements in the 1985 Uniform Fire
23 Code Standard No. 10-1, one portable fire extinguisher, rated
24 one-A (1A), properly mounted, will be acceptable in each indivi-
25 dual apartment rental unit, providing the owner/manager maintains
26 records of service dates of these extinguishers.

27 Division IV
28 HYDRANT INSTALLATIONS

29 Definitions

30 Sec. 5.401. (a) "Private," as the same relates to fire
31 hydrants, water mains, underground systems and their appurtenan-
32 ces, means those items that are not installed in the public

1 right-of-way.

2 (b) "Public," as the same relates to fire hydrants,
3 water mains, underground systems and their appurtenances, means
4 those items that are installed in the public right-of-way.

5 Installation

6 Sec. 5.402. (a) All public and private fire hydrants
7 shall be installed in accordance with Las Vegas Valley Water
8 District Standard Plate #7, dated October 5, 1984, or the latest
9 revision thereof, as the same has been approved by the Las Vegas
10 Fire Department. Fire hydrants in commercial areas shall be
11 spaced, depending on the size, spacing and construction of the
12 buildings, in such a manner as to place all construction and com-
13 bustible open-storage materials within five hundred feet
14 (500') of an approved fire hydrant. Fire hydrants in residential
15 planned unit developments (row housing) and planned unit con-
16 dominium apartment complexes shall be spaced not more than five
17 hundred feet (500') apart, depending on the size, spacing, and
18 construction of the buildings.

19 (b) Because of large open spaces in planned unit deve-
20 lopments, spacing may be erratic. Islands on major streets may
21 require adjustments to spacing. Fire hydrants in single family
22 detached dwelling areas shall be spaced not more than six hundred
23 feet (600') apart, depending on the size, spacing and construc-
24 tion of the buildings.

25 Submittals

26 Sec. 5.403. Two (2) sets of "water plans" that have
27 been prepared by the developer shall be submitted to the Fire
28 Prevention Division for approval prior to the installation of
29 fire hydrants and/or water mains. Of the two (2) sets of plans,
30 one set (the original) will be returned when it is signed and
31 approved. A space at least 3½" wide by 2" high shall be provided
32 on the bottom right hand corner of the plans for the Fire

1 Department approval stamp. A "vicinity map" and the Fire
2 Department General Notes must also be on the plans. The plans
3 are to show the location, size and type of new and existing water
4 mains, the location of existing and new hydrants, hydrant control
5 street valves, water main connections, control valves, stubs,
6 etc. In addition, the plans are to show curb lines and
7 sidewalks, streets, alleys and driveways, walls and fences, pro-
8 perty lines, vehicle parking layouts, buildings and anything else
9 pertinent to hydrant locations.

10 Public and Private Fire Hydrant Specifications

11 Sec. 5.404. All new public and private fire hydrants
12 shall be designed, manufactured and tested in compliance with the
13 1985 edition of American Water Works Association Standard C-502,
14 entitled "Standard for Dry-Barrel Fire Hydrants," or the latest
15 revision thereof, and shall comply with the Las Vegas Fire
16 Department's "Technical Specifications-Fire Hydrants" that is
17 available from the Fire Prevention Division.

18 Initial Inspections

19 Sec. 5.405. (a) With respect to private hydrant
20 installations, the installer is required to contact the Fire
21 Department forty-eight (48) hours in advance for two inspections
22 during installation. The initial inspection consists of
23 inspecting the gravel bed, concrete thrust block, hydrant weep
24 holes, hydrant control street valve location, hydrant location,
25 obstruction to the hydrant, and the hydrant itself.

26 (b) With respect to public hydrant installations, all
27 initial inspections shall be performed by the Las Vegas Valley
28 Water District.

29 Final Inspections

30 Sec. 5.406. (a) The final inspection consists of
31 flushing the hydrant; determining the static, residual and flow
32 pressure of the hydrant; and checking the location, clearances,

1 condition and protection, if required, of the hydrant, the
2 painting of the hydrant (yellow), curb (red), striping of asphalt
3 (yellow, if required) and anything else pertinent to hydrant
4 location and installation. A two inch (2") to six inch (6")
5 clearance shall be required between the concrete pad and the bot-
6 tom flange of hydrant.

7 (b) With respect to public hydrant installations, all
8 final inspections shall be performed by the Las Vegas Valley
9 Water District.

10 System Testing

11 Sec. 5.407. (a) All private water mains for fire pro-
12 tection systems and fire hydrants shall be tested in accordance
13 with National Fire Protection Association Standard 24, entitled
14 "Standard for the Installation of Private Fire Services Mains and
15 Their Appurtenances."

16 (b) Tests shall be made by the installer in the pre-
17 sence of a representative of the Fire Department and the owner
18 of the property or his agent.

19 Private Underground Systems

20 Sec. 5.408. (a) All components of underground fire
21 line systems shall be either Underwriters Laboratory or Factory
22 Mutual approved.

23 (b) Before asking for final approval of an installation
24 by the authority having jurisdiction, the installing company
25 shall furnish a written statement, counter signed by the property
26 owner or representative, to the effect that the work has been
27 completed in accordance with approved specifications and plans.
28 The Contractor's Materials and Test Certificate, shown in
29 National Fire Protection Association Standard 13, Standard for
30 the Installation of Sprinkler Systems, is to be used to the
31 extent it applies.

32 (c) The trench shall be backfilled between joints

1 before testing to prevent movement of pipe.

2 Pre-Construction Water Supply

3 Sec. 5.409. On any commercial or subdivision building
4 construction, accessible fire hydrants shall be installed to
5 comply with the required standards before the actual combustible
6 construction commences, and said fire hydrants shall be in good
7 working order.

8 Identification

9 Sec. 5.410. Painting of curbs and asphalt parking areas
10 shall be completed by the installer prior to the final inspection
11 and shall be as follows:

12 (a) A suitable coat of red paint (Zone-Lac Glass Curb
13 Enamel #716A9 Red or equivalent) shall be applied to curbs in
14 front of hydrants as follows:

15 Parallel Parking: 30' (15' on each side of the
16 hydrant).

17 Head on Parking: 40' (25' on the acute angle side
18 and 15' on the obtuse angle side of the hydrant).

19 (b) A suitable coat of "street marking" yellow paint
20 shall be applied to the asphalt in the striping effect, according
21 to City Traffic Engineering specifications.

22 (c) Painting of the curbs and/or striping of asphalt
23 for protection from physical injury per Fire Department "Hydrant
24 Installation Specifications" shall be completed before approval
25 of the hydrants by the Fire Department can be obtained.

26 Location

27 Sec. 5.411. Fire hydrants shall not be located within
28 6' of a driveway, power pole, light standard, or other obstruc-
29 tion. For wall, fence, and planter locations relative to
30 hydrants, see subsections (a) through (d), inclusive, of this
31 Section 5.411.

32 (a) For an obstruction that is no higher than the bot-

1 tom of the lowest outlet with cap on, a twenty-four inch (24")
2 clearance from the center of the hydrant to each side is
3 required. The front shall not be obstructed.

4 (b) For an obstruction that is no higher than the
5 hydrant, but is above the bottom of the lowest outlet with the
6 cap on, a twenty-four (24") clearance is required on each side.
7 The front shall not be obstructed.

8 (c) For an obstruction higher than the hydrant, a
9 thirty-six inch (36") clearance is required from the center of
10 the hydrant to each side, or as may otherwise be approved by the
11 Chief. The front shall not be obstructed.

12 (d) Bushes, plants, trees, etc., shall not obstruct
13 maintenance or operation of the hydrant.

14 Existing Hydrants

15 Sec. 5.412. When property with existing fire hydrant
16 protection is developed, the existing fire hydrants shall be
17 brought up to meet or exceed the requirements of the Fire
18 Department's Hydrant Specifications and Hydrant Installation
19 Specifications when required by the Chief.

20 Valves

21 Sec. 5.413. Hydrant control valves are to be located as
22 close as practicable to the main. Sectional water main control
23 valves are to be located per Fire Department requirements. A
24 sectional control valve must be installed after every two
25 hydrants on a water system so that no more than two hydrants will
26 be out of service due to a break in a water main. Single
27 hydrants are not required to be isolated on a water main as all
28 hydrants have shut-off valves on their laterals.

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1 stories but less than 55 feet in height, shall be provided with
2 Class III, Type A, B, C, or D fire alarm system.

3 (d) Group I, Division 1 and 2 Occupancies and mental
4 hospitals shall be provided with an approved automatic smoke-
5 detection and manually activated Class III alarm system or Type
6 A, B, C or D.

7 (e) Group R, Division 1, and Group B, Division 2,
8 Occupancies of three (3) or more stories shall be provided with
9 at least three (3) separate zones for each floor, including one
10 (1) zone for pull stations, one (1) zone for smoke detectors and
11 one (1) zone for each water flow device.

12 Supervision

13 Sec. 5.603. All fire alarm systems shall be supervised.
14 Supervision shall be by an Underwriters Laboratory approved
15 central signal service, a remote station service or a local alarm
16 which will give an audible signal at a constantly attended loca-
17 tion.

18 Inspection Contracts for Fire Alarm Systems

19 Sec. 5.604. The owner or occupant of any commercial
20 facility that has a fire alarm system shall obtain a maintenance
21 and inspection contract for such system. The test agreement bet-
22 ween the building owner and service company shall cover all alarm
23 equipment, i.e., control panel, annunciator panel and peripheral
24 devices, including such wiring as may be necessary for the system
25 to function properly. The service representative shall make as
26 many visits as necessary to insure that all equipment is func-
27 tioning as designed.

28 Minimum Service Requirements

29 Sec. 5.605. (a) All fire alarm systems shall be tested
30 and inspected quarterly by a service company or alarm contractor
31 that is licensed by the State Fire Marshal and certified by the
32 manufacturer of the equipment being installed. The alarm

1 contractor shall also have a license to do business within the
2 City.

3 EXCEPTION: The following occupancies shall be tested
4 and inspected semiannually: Group I,
5 Division 1, 2, and 3, Occupancies. Group
6 R, Division 1, Occupancies, of three (3)
7 or more stories.

8 (b) For all tests, the service company shall:

9 1. Physically ascertain that all audible signaling
10 appliances are functioning properly during the
11 annual contract period.

12 2. Inspect and operate all outlying initiating and
13 indicating devices during the annual contract
14 period.

15 3. Test and adjust all control equipment.

16 4. Check alarm systems on the standby power source
17 during the annual contract period.

18 5. Check the system to ascertain whether it will
19 function properly under abnormal line conditions,
20 such as open line and grounded line tests.

21 (c) The service company shall make itself available for
22 emergency call twenty-four (24) hours a day, seven (7) days a
23 week. Said service company shall submit evidence of the capabi-
24 lity to provide for repair and restoration of fire alarm system
25 within 24 hours of notification of a fault in the system.

26 (d) All inspection reports shall be forwarded to the
27 Fire Prevention Division within thirty (30) days after the
28 inspection, unless major deficiencies exist, in which case
29 reports shall be forwarded immediately.

30 (e) Prior to and after service or testing of any equip-
31 ment, the Fire Department alarm office shall be notified of the
32 location of the test and the approximate time the equipment will

1 be inoperable.

2 (f) A Fire Department representative will accompany the
3 service company on one of its visits during the contract period.
4 The Fire Department shall be notified twenty-four (24) hours
5 prior to testing by the service company.

6 (g) In the event the contract is cancelled or not
7 renewed, the Fire Department shall be notified by the service
8 company within twenty-four (24) hours.

9 Division VII
10 SPRINKLER SYSTEMS

11 General Requirements

12 Section 5.701. The owner or occupant of any facility
13 that requires a sprinkler system shall obtain a maintenance and
14 inspection contract for such system. The sprinkler system main-
15 tenance and inspection contract shall include the testing by a
16 licensed sprinkler contractor of all water flow actuated devices,
17 gate valve supervising switches, tank water level devices and
18 other sprinkler system supervisory devices quarterly. Fire pump,
19 whether new or existing, shall be tested by a qualified service
20 company at least once a year. All tests shall be completed in
21 accordance with applicable standards.

22 Supervision

23 Sec. 5.702. All automatic sprinkler systems, including
24 those existing systems, shall be supervised as determined by the
25 Chief. Supervision shall be by an approved central, proprietary
26 or remote station service or local alarm which will give an
27 audible signal at a constantly attended location.

28 EXCEPTION: The provisions of Sections 5.701 and
29 5.702 do not apply to single family
30 detached dwellings or to multi-family
31 dwellings of less than three (3) stories.

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1 Protection Association Pamphlet #17, #96, manufacturer's speci-
2 cations and this ordinance. The Nevada State Fire Marshal's
3 Certificate of Registration assigned number and signature of
4 installer shall also be affixed to the "as-built" diagram. If
5 the installation or modification does not meet the above speci-
6 fications, a "stop-order" shall be immediately issued to discon-
7 tinue future use of the affected cooking appliances until the
8 installation or modification meets all required specifications.

9 Portable Extinguishers

10 Sec. 5.902. In addition to the fixed system, a dry chem-
11 ical portable extinguisher which has a rating of not less than
12 20-B shall be installed near the food processing equipment. For
13 additional portable extinguishers, see U.F.C. Standard No. 10-1.

14 Division X
15 BONFIRES AND OUTDOOR RUBBISH FIRES

16 Permit from Air Pollution Control Board Required

17 Sec. 5.1001. In order for a person to receive a permit
18 under this section, he must first have obtained a permit from the
19 Air Pollution Control Board.

20 Division XI
21 FLAMMABLE DECORATIVE MATERIALS

22 Display Prohibited in Commercial and Industrial Occupancies;
23 Exceptions

24 Sec. 5.1101. (a) Cotton batting, either natural, arti-
25 ficial or manufactured, straw, dry vines, leaves, trees or other
26 highly flammable materials shall not be used for decorative pur-
27 poses in show windows or other parts of commercial, industrial or
28 institutional occupancies unless made flame retardant; provided,
29 however, that nothing in this section shall be held to prohibit
30 the display of salable goods permitted and offered for sale.

31 (b) Electric light bulbs in such occupancies shall not
32 be decorated with paper or other combustible materials unless

1 such materials shall first have been rendered flame retardant.

2 Certificate of Flame-retardant Required

3 Sec. 5.1102. The Fire Department shall be provided a
4 certificate of flame-retardant application, with a fabric sample
5 attached, for all decorative materials.

6 Floor Coverings

7 Sec. 5.1103. (a) For hotels and motels, all floor
8 coverings, including without limitation pads, in guest rooms
9 shall be Class III, as determined in accordance with the radiant
10 panel flux test. Floor coverings, including without limitation
11 padding and adhesion method, shall be tested and approved as
12 installed. The test and approval shall be in accordance with
13 NFPA #253.

14 (b) A minimum of two (2) samples of the floor covering,
15 padding and the test results, as performed by a certified testing
16 laboratory, must be submitted to the Fire Marshal's Office prior
17 to installation. The samples must be clearly identified as to
18 type and must be identical to those tested.

19 Division XII
20 ROOFING KETTLES

21 General Provisions

22 Sec. 5.1201. (a) Roofing kettles shall not be placed
23 within fifteen (15) feet of any opening in any occupied building
24 except on a public street.

25 (b) Roofing kettles shall not be placed in such a loca-
26 tion as to block exits, means of egress, gates, roadways or
27 entrances.

28 (c) In institutions, schools and assembly occupancies,
29 when such buildings are occupied, the roofing kettles shall be
30 enclosed by a substantial barrier. The barrier shall be at least
31 twenty-five (25) feet away from the kettle. The barrier shall
32 clearly indicate that the enclosed area is restricted to use by

1 authorized persons only.

2 (d) Suitable supports shall be provided for all piping
3 at intervals not more than twelve (12) feet.

4 (e) Roofing kettles and all integral working parts,
5 valves, safety relief devices, burners, pressure tanks and slop-
6 troughs shall be in good working condition and shall be main-
7 tained free of excessive residue.

8 (f) No person shall maintain an open flame in a roofing
9 kettle while it is being transported or when it is in any public
10 garage or premises where flammable liquids are dispensed. The
11 tar pitch shall not exceed 300° F. while kettle is being
12 transported.

13 (g) The tar kettle shall be equipped with a thermometer
14 to register the temperature of the material within the kettle at
15 all times. Tar and tar pitch asphalt shall not be heated to
16 exceed its flash point.

17 (h) Ground kettles shall not be fired or used while
18 mounted on the bed of trucks unless the truck body is of all-
19 metal construction and the kettle is securely attached to the
20 body of the truck. Pitch kettles shall not be permitted for use
21 while mounted on the bed of the truck.

22 (i) The following minimum equipment must be on hand
23 before burners are ignited:

24 1. At least one (1) approved fire extinguisher
25 having 20-B, C Classification.

26 2. At least two (2) sacks of dry sand, 50 lbs.
27 each.

28 (j) There shall be at least one (1) approved fire
29 extinguisher of 20-B, C classification or larger:

30 1. Readily accessible and within thirty (30) feet
31 horizontal travel of every roofing kettle during
32 the period said roofing kettle is in use.

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2. On the roof or area where heated asphalt, tar or pitch is being applied.

(k) All kettle doors and draw off cock handles must be closed, latched and secured while kettle is in transit.

(l) All trailers used for transporting kettles or trailer units must be equipped with an adequate safety chain and draw pin when in transit. Both must be attached firmly to the towing vehicle and tied safely by a larger diameter bolt with a counterlocked double nut or by a heavy gauge wire safety pin or other device to prevent the kettle or trailer from becoming detached from the towing vehicle while in transit.

Permit Required

Sec. 5.1202. (a) A permit shall be required for each roofing tanker vehicle or roofing kettle operated by any company, corporation, co-partner or owner/operator.

(b) Before such permit is issued, it is the responsibility of the owner to have the roofing tanker vehicle or roofing kettle inspected by the Fire Prevention Division.

(c) The Fire Prevention Division shall affix a numbered, metallic tag or medallion to each unit denoting a permit has been issued and is on file.

(d) All liquified petroleum containers over five (5) gallon water capacity shall be adequately secured to the towing vehicle by bolts, chains, metal straps or by an approved method to prevent them from being ejected in the event of a traffic accident.

(e) The support leg shall be constructed of at least one and one fourth inch (1- $\frac{1}{4}$ ") standard steel pipe and shall have a steel foot or pad of at least four inches by four inches by one-fourth inch (4" x 4" x $\frac{1}{4}$ "). The pin or adjustment rod shall be at least one-fourth inch ($\frac{1}{4}$ ") steel. The support leg shall be

1 constructed in a workmanlike manner and shall be adequate to sup-
2 port the kettle while standing.

3 Division XIII
4 EXCAVATION PERMITS

5 Application for Permit

6 Sec. 5.1301. (a) If any proposed excavation activity
7 will involve the use of explosives, a "ballbreaker" or a
8 "ram-hoe," or any combination thereof, the contractor shall apply
9 to the Department of Community Planning and Development, on a
10 form to be supplied by that Department, for and be granted an
11 excavation permit pursuant to this Division so to do before any
12 excavation activity may commence.

13 (b) The application must:

14 1. Indicate the contractor's name, business
15 address and business and home telephone numbers;

16 2. Indicate the location at which the excavation
17 activity is proposed to take place;

18 3. Indicate the method of excavation;

19 4. Contain a schedule of the days of the week on
20 which, and the hours of the day during which, the exca-
21 vation activity is proposed to take place;

22 5. Indicate the name and address of the contrac-
23 tor's insurance carrier and the name, address and
24 telephone number of the carrier's local insurance
25 adjuster; and

26 6. If the proposed activity will involve the use
27 of explosives, be accompanied by evidence of combined
28 single limit liability insurance, or coverage that
29 affords comparable protection, in the minimum amount of
30 One Hundred Thousand and No/100ths Dollars
31 (\$100,000.00), the policy in respect of which must name
32 the City as an additional insured thereunder and must

1 require the carrier to provide the City with a written
2 notice of any cancellation thereof or any reduction in
3 the coverages that are provided thereby at least thirty
4 (30) days before any such cancellation or reduction may
5 become effective.

6 Review and Approval of Application

7 Sec. 5.1302. The Department of Community Planning and
8 Development shall forthwith refer the application to the
9 Excavation Committee, which shall review and, except as is other-
10 wise provided in subsection (c) of Section 5.1303, either approve
11 or disapprove the same within two (2) working days after its
12 receipt thereof and forward any approved application to the
13 appropriate City department, as determined in accordance with
14 Section 5.1304.

15 Blasting

16 Sec. 5.1303. If the application proposes the use of
17 explosives:

18 (a) The Excavation Committee shall:

19 1. Determine whether or not a pre-excavation eval-
20 uation by a licensed engineer who specializes in soil
21 dynamics should be performed and, if so, may require
22 that such engineer, at the expense of the contractor,
23 monitor the excavation activities while they are in
24 progress;

25 2. Determine what information should be required
26 from the contractor with respect to the measures that it
27 intends to initiate for the control of flying rock
28 fragments and other excavated material and the protec-
29 tion of the environment and, in this connection, may
30 require such additional fragment controls and environ-
31 mental protection as it, in its sole and absolute
32 discretion, deems are appropriate; and

1 3. Have the authority to limit the days of the
2 week on which, and the hours of the day during which,
3 the blasting may take place, the number of charges of
4 explosives that may be discharged at any one time or the
5 size of each charge, or any combination thereof.

6 (b) In addition to its duties that are set forth in
7 subsection (b) of this Section 5.1303, the Excavation Committee
8 may require the contractor to:

9 1. Provide, at its sole cost and expense, pre-
10 excavation and post-excavation monitoring of selected
11 properties;

12 2. Provide such additional liability insurance as
13 it, in its sole and absolute discretion, deems is
14 appropriate and, if such additional insurance is
15 required, the same shall be subject to the provisions of
16 paragraph 6 of subsection (b) of Section 1301; and

17 3. Notify the owners of all of the properties
18 that are situate within such radius of the property on
19 which the excavation activity is proposed to take place
20 as the Excavation Committee, in its sole and absolute
21 discretion, determines, and, if such notification is
22 required:

23 (i) It shall be given in the form of a
24 letter, the contents of which shall be supplied by
25 the City, on the letterhead of the contractor;

26 (ii) The contractor shall make every effort to
27 effect such notification by the delivery, by hand,
28 of a copy of such letter to the occupants of each
29 of the developed properties within the prescribed
30 area; and

31 (iii) The contractor shall provide evidence
32 to the Excavation Committee in writing that cer-

1 tifies that the notification has been provided in
2 accordance with this subsection (b).

3 (c) Upon the contractor's satisfaction of all of the
4 requirements that are imposed upon it pursuant to subsections (a)
5 and (b) of this Section 5.1303, the Excavation Committee shall
6 forthwith approve the application and forward the same to the
7 Fire Department for its review, which, in turn, will indicate its
8 review thereon and forward it to the appropriate City department,
9 as determined in accordance with Section 5.1304.

10 Sec. 5.1304. After the application has been approved
11 by the Excavation Committee and, if such review is required by
12 Section 5.1303, reviewed by the Fire Department, the application
13 shall be forwarded to:

14 (a) The Department of Building and Safety, if the exca-
15 vation activity is proposed to take place on private property,
16 or

17 (b) The Division of Land Development of the Department
18 of Public Works, if the excavation activity is proposed to take
19 place on the public right-of-way,
20 which shall issue the excavation permit.

21 Sec. 5.1305. The issuance of an excavation permit shall
22 not preclude the Excavation Committee from subsequently imposing
23 additional requirements on the contractor or supplementing any
24 existing requirement whenever, in the opinion of the Excavation
25 Committee, later information or newly discovered conditions
26 justify such additional or supplemental requirements.

27 Sec. 5.1306. No excavation permit for any activity that
28 involves the use of explosives may be issued for a period that
29 extends beyond the expiration date of the contractor's liability
30 insurance, and any cancellation of the policy in respect thereof,
31 or any reduction in the coverages that are provided thereby below
32 the amount that is specified in paragraph 6 of subsection (b) of

1 Section 5.1301, shall result in the automatic revocation of any
2 excavation permit that is issued hereunder unless the policy is
3 replaced, or the coverages that are provided thereby are restored
4 to the required amount, as the case may be, before the effective
5 date of such cancellation or reduction.

6 Sec. 5.1307 (a) Any complaint that any City department
7 receives with respect to excavation activity for which an excava-
8 tion permit has been issued hereunder shall be referred to the
9 Central Action Officer who, in turn, shall refer the same to the
10 contractor, and the contractor shall, within two (2) days
11 thereafter, contact the complainant, take appropriate corrective
12 action and notify the Central Action Officer in writing of what
13 corrective action was taken or other disposition of the complaint
14 was made.

15 (b) If the Central Action Officer has not received such
16 notification within two (2) days after he referred the complaint
17 to the contractor or is dissatisfied with the corrective action
18 that was taken, or other disposition of the complaint that was
19 made, by the contractor, the Central Action Officer shall refer
20 the matter to the Excavation Committee for action, which may
21 include without limitation:

22 1. The issuance of an order to cease and desist
23 in the excavation activity until a further direction
24 from the Excavation Committee; and

25 2. The revocation of the contractor's excavation
26 permit.

27 Sec. 5.1308. The Central Action Officer shall:

28 (a) Refer a copy of each complaint that relates to any
29 excavation permit that is issued hereunder to the Excavation
30 Committee; and

31 (b) Keep a permanent record, indexed by both permit
32 number and by contractor's name, of all such complaints.

1 (b) Whenever a provision of any of the standards and
2 publications that are adopted by subsection (a) of this Section
3 1.104 apply to the subject matter of a provision of any other of
4 said standards and publications or a provision of the Uniform
5 Fire Code, including any supplemental document adopted by the
6 City, or the Uniform Building Code, including any supplemental
7 document adopted by the City, the more stringent of the two pro-
8 visions shall prevail, except as may otherwise be determined by
9 the Chief.

10 (c) Except as is otherwise provided in subsection (b)
11 of this Section 1.104, if a conflict exists between any provision
12 of the Uniform Fire Code, including any supplemental document
13 adopted by the City, or the Uniform Building Code, including any
14 supplemental document adopted by the City, and any provision of
15 any of the standards and publications that are adopted by subsec-
16 tion (a) of this Section 1.104, the provision of the Uniform Fire
17 Code or the provision of the Uniform Building Code, as the case
18 may be, shall prevail. If a conflict exists between any provi-
19 sion of any of the standards and publications that are adopted by
20 subsection (a) of this Section 1.104 and any provision of any
21 other of said standards and publications, the provision of the
22 standards or publication that bears the lower paragraph number in
23 said subsection (a) shall prevail.

24 SECTION 3: Article 1 is hereby further amended by
25 adding thereto a new section, designated as Section 1.105,
26 reading as follows:

27 Appendices Adopted

28 Sec. 1.105. There is hereby specifically adopted, as a
29 part of this code, the following appendices to the Uniform
30 Fire Code, 1985 Edition: Division I, Appendix I-A, Appendix
31 I-B, as amended by Section 40 of this Supplemental Document, and
32 Appendix I-C; Division II, Appendix II-D; Division III, Appendix

1 III-A and Appendix III-C; Division IV, Appendix IV-A; Division
2 VI, Appendix VI-C.

3 SECTION 4: Section 2.203 is hereby amended by adding
4 thereto a new subsection, designated as subsection (c), reading
5 as follows:

6 (c) The charge for the reproduction of such a report
7 will be three dollars (\$3.00) for the first three (3) pages, or
8 portion thereof, and fifty cents (\$.50) for each additional
9 page.

10 SECTION 5: Section 2.302 is hereby deleted.

11 SECTION 6: Subsection 10 of Section 4.101 is hereby
12 amended to read as follows:

13 10. Compressed gases, flammable. (A) A permit shall
14 be required for the installation, storage, use and/or handling of
15 flammable compressed gases for commercial purposes.

16 (B) A permit shall be required for the installation,
17 storage, use and/or handling of all non-flammable compressed
18 gases, inclusive of medical gas systems.

19 (C) For permits for cryogenics and hazardous materials,
20 see Article 74.

21 SECTION 7: Subsection 15 of Section 4.101 is hereby
22 amended to read as follows:

23 15. Explosives or blasting agents. For permits for
24 explosive or blasting agents, see Division XIII of Article 5.

25 SECTION 8: Section 4.101 is hereby amended by adding
26 thereto a new subsection, designated as subsection 15A, reading
27 as follows:

28 15A. Fire protection, Life Safety Systems and
29 Appliances. For permits for the installation and maintenance of
30 all Fire Protection, Life Safety Systems and Appliances, see
31 Division III of Article 10.

32 SECTION 9: Section 4.101 is hereby further amended by

1 adding thereto a new subsection, designated as subsection 41A,
2 reading as follows:

3 41A. Service vehicles. To operate a service vehicle.
4 Such permits shall be issued upon inspection of the service
5 vehicle by the Department. Proof of permit will be stamped with
6 the initials L.V.F.D. and the assigned tag number on one side.
7 The proof of permit tag shall be attached to the service vehicle
8 by means of a wire seal and shall be on the vehicle at all times.
9 The proof of permit tag shall be affixed to the outside rear view
10 mirror on the driver's side of the vehicle.

11 SECTION 10: Section 9.121 is hereby amended by adding,
12 between the definitions of "Service Station, Marine" and "Small
13 Arms Ammunition," a definition of "Service Vehicle," reading as
14 follows:

15 SERVICE VEHICLE is a vehicle used for the purpose of
16 carrying fuel, oil or grease to equipment used in construction,
17 which ordinarily would not be serviced in service stations.

18 SECTION 11: Subsection (k) of Section 10.207 is hereby
19 amended to read as follows:

20 (k) Obstruction. The required width of any fire
21 apparatus access road shall not be obstructed in any manner,
22 including parking of vehicles. Minimum required widths and
23 clearances as established by the Chief shall be maintained at all
24 times.

25 SECTION 12: Section 10.207 is hereby amended by adding
26 thereto a new subsection, designated as subsection (m), reading
27 as follows:

28 (m) Fire Lanes. 1. Fire lanes within the jurisdic-
29 tional authority shall be regulated by the Chief.
30 2. It shall be the responsibility of the owner of any
31 property with respect to which the Chief has
32 designated one or more fire lanes to indicate the

1 same with signs and red curb painting and to main-
2 tain it or them clear of all obstructions and
3 freely accessible for all fire equipment and
4 apparatus.

5 3. When a sign is erected in any fire zone or when
6 the same is indicated by red curb painting, giving
7 notice thereof, it shall be unlawful for any person
8 to park a motor vehicle in, or otherwise obstruct,
9 such fire lane.

10 SECTION 13: Section 10.208 is hereby amended by adding
11 at the end thereof, a new paragraph, reading as follows:

12 Premise identification shall conform to Section 5.101.

13 SECTION 14: Section 10.209 is hereby amended to read as
14 follows:

15 Key Box

16 Sec. 10.209. Key Box Required. All commercial occupan-
17 cies, as required by the Chief, shall be provided with a key box.
18 The key box shall be of an approved type and shall contain keys
19 to gain necessary access as required by the Chief.

20 EXCEPTION: In Groups R, Division 3, and all M
21 Occupancies the key box shall be
22 omitted. Key boxes shall not be required
23 for condominiums and occupancies that are
24 normally not locked.

25 (b) Location on Building. The key box shall be located
26 as follows:

- 27 1. On the exterior of the building within six feet
28 (6') of the recognized public entrance (the normal
29 point of access by Fire Department).
- 30 2. No less than five feet (5') nor more than seven
31 feet (7') above grade below the box.

32 (c) Box Contents. The key box shall be a type approved

1 by the Chief and shall contain keys (and/or metal card key with
2 metal imprint) to gain necessary access as required by the
3 Chief.

4 (d) Color. The color of the key box shall be in high
5 contrast with its background as required by the Chief.

6 (e) Location on Property. The owner or his agent shall
7 submit to the Fire Department a detailed diagram of the property
8 indicating the location of the key box.

9 SECTION 15: Article 10 is hereby amended by adding
10 thereto a new section, designated as Section 10.210, reading as
11 follows:

12 Fire Prevention Programs

13 Sec. 10.210. Fire prevention programs, including
14 without limitation building evacuation drills, staff training and
15 appliance maintenance, shall be performed as prescribed in
16 Division XIV of Article 5.

17 SECTION 16: Subsection (a) of Section 10.301 is hereby
18 amended to read as follows:

19 (a) Type Required. The chief shall designate the type
20 and number of fire appliances to be installed and maintained in
21 and upon all buildings and premises in the jurisdiction other
22 than private dwellings. This shall be done according to the
23 relative severity of probable fire, including the rapidity with
24 which it may spread. Such appliances shall be of a type suitable
25 for the probable class of fire associated with such building or
26 premises, as determined by the Chief.

27 Portable fire extinguishers shall be in accordance with
28 U.F.C. Standard No. 10-1.

29 SECTION 17: Subsection (b) of Section 10.301 is hereby
30 amended to read as follows:

31 (b) Special Hazards. In occupancies of an especially
32 hazardous nature or where special hazards exist in addition to

1 the normal hazard of the occupancy, or where access for fire
2 apparatus is unduly difficult, additional safeguards may be
3 required consisting of additional fire appliance units, more than
4 one (1) type of fire appliance or special systems suitable for
5 the protection of the hazard involved. Such devices or applian-
6 ces shall consist of, but not be limited to automatic fire alarm
7 systems, automatic sprinkler or water spray systems, standpipe
8 and hose, fixed or portable fire extinguishers, suitable asbestos
9 blankets, breathing apparatus, manual or automatic covers, carbon
10 dioxide, foam, halogenated and dry chemical or other special fire-
11 extinguishing systems. Fire Protection/Life Safety features
12 required by the Fire Marshal in special hazard occupancies shall
13 be installed and maintained in accordance with the applicable
14 Standards of the Uniform Fire Code, National Fire Protection
15 Association and/or Factory Mutual.

16 SECTION 18: Subsection (e) of Section 10.301 is hereby
17 amended to read as follows:

18 (e) Approval and Testing. All fire alarm systems, pri-
19 vate fire hydrant systems, fire-extinguishing systems (including
20 automatic sprinklers), wet and dry standpipes, basement inlet
21 pipes, and other fire-protection systems and pertinents thereto
22 shall meet the approval of the fire department as to installation
23 and location and shall be subject to such periodic tests as
24 required by the Chief. Plans and specifications shall be sub-
25 mitted to the Fire Department for review and approval prior to
26 construction, in accordance with Division VI of Article 5.

27 SECTION 19: Subsection (a) of Section 10.302 is hereby
28 amended to read as follows:

29 (a) General. All sprinkler systems, private fire
30 hydrant systems, standpipe systems, fire alarm systems, portable
31 fire extinguishers, smoke and heat detectors, smoke removal
32 systems and other fire-protective or extinguishing systems or

1 of more than 4 square feet.

2 SECTION 23: Section 74.211 is hereby amended to read as
3 follows:

4 Warning Systems

5 Sec. 74.211. Warning systems shall be installed, main-
6 tained and tested in accordance with Chapter 3 of N.F.P.A. #56F.

7 SECTION 24: Division II of Article 74 is hereby amended
8 by adding thereto a new section, designated as Sections 74.213,
9 reading as follows:

10 Piping Systems

11 Sec. 74.213 (a) Compressed gas piping systems shall
12 conform to the provisions of Chapter 4 of N.F.P.A. #56F.

13 (b) Installation and testing of piping systems shall
14 conform to the provisions of Chapter 5 of N.F.P.A. Standard
15 #56F.

16 SECTION 25: Section 79.111 is hereby amended to read as
17 follows:

18 Cleaning with Flammable Liquid

19 Sec. 79.111. Class I liquids and Class II liquids with
20 a flashpoint below 100°F. shall not be used within a building for
21 washing parts or removing grease or dirt unless they are used in
22 a closed machine approved for the purpose or in a separate well-
23 ventilated room constructed in accordance with Section 79.804.

24 SECTION 26: Subsection (e) of Section 79.114 is hereby
25 amended to read as follows:

26 (e) Underground Tanks Out of Service One Year. Any
27 underground tank which has been abandoned for a period of one (1)
28 year shall be removed from the property in a manner approved by
29 the Chief.

30 SECTION 27: Subsection (c) of Section 79.601 is hereby
31 amended to read as follows:

32 (c) Anchorage. Where a tank may become buoyant due to

1 a rise in the level of the water table or due to location in an
2 area that may be subjected to flooding, suitable precautions
3 shall be observed to anchor the tank in place.

4 SECTION 28: Section 79.601 is hereby amended by adding
5 thereto a new subsection, designated as subsection (f), reading
6 as follows:

7 (f) Bottom Placement Slab. A concrete slab, reinforced
8 with a 6" x 6" #10 wire mesh or a mesh of sufficient size and
9 weight to equal or exceed the displacement of the tanks to be
10 used, shall be poured on the bottom of the excavation. The size
11 of the slab shall exceed in horizontal dimensions the size of the
12 tank or tanks by one foot (1') in all directions. Straps of
13 steel one-fourth inch by two inches ($\frac{1}{4}$ " x 2") shall be used to
14 anchor the tank or tanks to the concrete slab in the following
15 manner:

16 1. Straps shall be continuous and shall be placed under
17 the reinforcement in the slab and be of sufficient
18 length to completely encircle the tank with a minimum
19 one foot (1') welded overlap at the top of the tank.

20 2. Straps can be provided with a one foot (1') "T"
21 welded to one end, said "T" to be placed under the rein-
22 forcement in the concrete.

23 3. A minimum of two (2) such straps for each tank shall
24 be provided. When, in the opinion of the authority
25 having jurisdiction, more straps are necessary because
26 of the size of the tanks, more shall be provided.

27 4. The overlap of the straps shall be welded. Bolts or
28 other means of fastening shall not be used.

29 NOTE: Metal tanks may be placed while the
30 concrete is still soft so that full
31 bearing on the tank is obtained, or a
32 cushion of blow sand may be placed on the

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hardened concrete to accomplish the same.
If a sand cushion is used it shall be a
minimum of six inches (6") to accomplish
its purpose.

SECTION 29: Section 79.601 is hereby further amended by
adding thereto a new subsection, designated as subsection (g),
reading as follows:

(g) Top Displacement Slab. 1. Tanks shall be covered
with 18 inches (18") of well-tamped earth plus a minimum
of 6 inches (6") of concrete or a sufficient amount to
overcome buoyancy of the tanks.

2. Reinforcement of the concrete shall be accomplished
by No. 4 rebar, twelve inches (12") on center each way
and adequately tied prior to pouring of concrete.

3. Tanks shall be so placed that a minimum of one foot
(1') of space is maintained between tanks.

4. Backfill of the excavation shall not proceed until
approval has been given by the Fire Prevention Division.
Backfill shall be blow sand or other fine aggregate
material.

SECTION 30: Section 79.603 is hereby amended by adding
thereto three new paragraphs, to be designated paragraphs 3, 4
and 5, reading, respectively, as follows:

3. Depth and cover shall be in accordance with the pro-
visions of Section 79.601(b) and/or manufacturer's spe-
cifications.

4. Dry and wet hole procedures for bed and backfill
material shall be in accordance with manufacturer's spe-
cifications.

5. Tanks shall be anchored where high water tables
exist, where surface water could flow into the hole or
where other water conditions could exist in a dry hole.

1 Anchoring shall be by straps approved by the Chief and
2 installed in accordance with manufacturer's specifica-
3 tions.

4 SECTION 31: Section 79.605 is hereby amended by adding
5 thereto a new subsection, designated as subsection (e), reading
6 as follows:

7 (e) Fiberglass Tanks. Fiberglass tanks shall be
8 pressure-tested, according to the manufacturer's specifications,
9 when placed in a level position in the ground on approved
10 material. Backfilling of the excavation shall not proceed until
11 approval has been given by the Fire Prevention Division.

12 SECTION 32: Subsection (b) of Section 79.903 is hereby
13 amended by deleting the exception thereto.

14 SECTION 33: Division IX of Article 79 is hereby amended
15 by adding thereto a new section, designated as Section 79.913,
16 reading as follows:

17 Self-Service Stations

18 Sec. 79.913. (a) Hose nozzle valves used at self-
19 service stations shall be of the approved automatic closing type
20 without a latch-open-device. Existing latch-open devices shall
21 be removed.

22 (b) Private key-card dispensing operations need not
23 require an attendant on duty provided that the key-card holder
24 has been trained and certified in safe dispensing operations by
25 the licensed card-issuing agency.

26 SECTION 34: Division IX of Article 79 is hereby further
27 amended by adding thereto a new section, designated as Section
28 79.914, reading as follows:

29 Service Vehicles

30 Sec. 79.914, (a) Service vehicles shall comply with
31 paragraphs 1 to 7, inclusive, of this subsection (a):

32 1. An approved twenty-pound (20 lb.) dry powder

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extinguisher shall be provided for each vehicle and shall be mounted on the vehicle in a readily accessible location.

2. Tanks on service vehicles used for transporting Class I, II or III flammable/combustible liquids shall be constructed of steel and shall not exceed one thousand two hundred fifty gallons (1,250 gals.). When such tanks exceed fifty gallons (50 gals.), they shall be equipped with baffles.

3. All flammable liquid tanks shall conform to Article 79 of the Code.

4. When drums are used to house flammable liquids, they shall be anchored to the service vehicle with iron straps or chains of a suitable gauge. (Fiber rope shall not be used).

5. All service vehicles transporting Class I, II or III flammable/combustible liquids shall carry markings to meet the requirements of Section 79.1004 of this Code.

6. Oxygen tanks shall not be carried on the same service vehicle transporting petroleum products.

7. L.P.G. tanks carried on service vehicles shall meet the requirements of N.F.P.A. Pamphlet #58.

(b) Precautions against ignition shall meet the requirements of Sections 79.1204 and 79.1205 of this Code.

SECTION 35: Division 12 of Article 79 is hereby amended by adding thereto a new section, designated as Section 79.1208, reading as follows:

Permit Required

Sec. 1208. Service vehicles shall comply with the provisions of subsection 41A of Section 4.101.

SECTION 36: Section 80.103 is hereby amended by adding

1 thereto a new subsection, designated as subsection (j), reading
2 as follows:

3 (j) Storage shall be maintained in such a manner that
4 all stock is under control of a competent person at all times.

5 SECTION 37: Article 85 is hereby amended to add a new
6 section, designated as Section 85.110, reading as follows:

7 Shunt Disconnect Devices

8 Sec. 85.110. All approved shunt trip switches, if not
9 located within a fire command center, shall be located outside
10 the structure, in a location approved by the Chief painted yellow
11 and properly identified as the main disconnect for power to the
12 building. Where provisions of this code mandate a central
13 control station the shunt trip shall be located therein.

14 SECTION 38: Subsection 2.2 of Appendix 1-B is hereby
15 amended by adding thereto a new subsection, designated as subsec-
16 tion (n), reading as follows:

17 (n) Central Control Station. If a Central Control
18 Station for Fire Department operations is required by Section
19 1807 Uniform Building Code, it shall contain, in addition to the
20 items that are set forth therein, the following:

- 21 1. A blackboard or marker board of a minimum size of
22 three feet (3') by four feet (4') capable of easy era-
23 sure, with a marking device and an eraser attached.
- 24 2. Current building plans, fire emergency pre-plans,
25 system operational manuals and a work table of a minimum
26 size of three feet (3') by seven feet (7') capable of
27 holding such plans opened in a working position.
- 28 3. A key box containing any and all keys that may be
29 needed by firefighter to gain access to all parts of
30 building.
- 31 4. All annunciator panels shall have standardized
32 labels approved by the Fire Department.

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5. No items of storage or equipment shall be placed in the central control station unless approved by the Chief.

3318-

FIRST AMENDMENT

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*BILL NO. 87-44

Ordinance No. _____

AN ORDINANCE RELATING TO ADOPTION OF A FIRE CODE; AMENDING TITLE 16, CHAPTER 16, SECTION 10, OF THE MUNICIPAL CODE OF THE CITY OF LAS VEGAS, NEVADA, 1983 EDITION, BY DELETING ALL REFERENCES TO THE 1982 EDITIONS OF THE UNIFORM FIRE CODE AND THE UNIFORM FIRE CODE STANDARDS ADOPTED BY REFERENCE THEREIN AND ADOPTING BY REFERENCE, IN LIEU THEREOF, THE 1985 EDITIONS OF THE UNIFORM FIRE CODE AND THE UNIFORM FIRE CODE STANDARDS AS PART I OF SAID CHAPTER; REPEALING IN ITS ENTIRETY THE EXISTING SUPPLEMENTAL DOCUMENT, AND AMENDMENTS THERETO, ADOPTED BY REFERENCE THEREIN AND ADOPTING BY REFERENCE, IN LIEU THEREOF, A NEW SUPPLEMENTAL DOCUMENT, ENTITLED: "A SUPPLEMENTAL DOCUMENT AMENDING THE UNIFORM FIRE CODE, 1985 EDITION" AS PART II OF SAID CHAPTER, WHICH ADDS VARIOUS PROVISIONS TO THE UNIFORM FIRE CODE, 1985 EDITION; PROVIDING OTHER MATTERS PROPERLY RELATING THERETO; PROVIDING PENALTIES FOR THE VIOLATION HEREOF; AND REPEALING ALL ORDINANCES OR PARTS OF ORDINANCES IN CONFLICT HEREWITH;

Sponsored by:
Mayor Ron Lurie

Summary: Adopts the 1985 Edition of the Uniform Fire Code, together with a supplemental document providing amendments thereof, deletions therefrom and additions thereto, as the City's Fire Code.

THE CITY COUNCIL OF THE CITY OF LAS VEGAS DOES ORDAIN AS FOLLOWS:

SECTION 1: Title 16, Chapter 16, Section 10, of the Municipal Code of the City of Las Vegas, Nevada, 1983 Edition, is hereby amended to read as follows:

16.16.010: Those certain documents, three copies of which are on file in the office of the City Clerk[,] and are marked and designated as follows, are adopted by reference as the Fire Code of the City:[, and made a part of this Chapter as if they were fully set forth herein:]

- (A) As Part I of this Chapter, the Uniform Fire Code, 1985 Edition, and the Uniform Fire Code Standards, [1982] 1985 Edition:[, as prepared by the International Conference of Building Officials, and

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the Western Fire Chiefs Association, save and except such provisions thereof as are herein supplemented, amended, modified or deleted;] and (B) As Part II of this Chapter, a supplemental document, supplementing, amending, modifying, adding to and deleting from the Uniform Fire Code, [1982] 1985 Edition.

SECTION 2: If any section, subsection, subdivision paragraph, sentence, clause or phrase in this ordinance or any part thereof, is for any reason held to be unconstitutional or invalid or ineffective by any court of competent jurisdiction, such decision shall not affect the validity or effectiveness of the remaining portions of this ordinance or any part thereof. The City Council of the City of Las Vegas, Nevada, hereby declares that it would have passed each section, subsection, subdivision, paragraph, sentence, clause or phrase thereof, irrespective of the fact that any one or more sections, subsections, subdivisions, paragraphs, sentences, clauses or phrases be declared unconstitutional, invalid or ineffective.

SECTION 3: Whenever in this ordinance any act is prohibited or is made or declared to be unlawful or an offense or a misdemeanor, or whenever in this ordinance the doing of any act is required or the failure to do any act is made or declared to be unlawful or an offense or a misdemeanor, the doing of any such prohibited act or the failure to do any such required act shall constitute a misdemeanor and upon conviction thereof, shall be punished by a fine of not more than \$1,000.00 or by imprisonment for a term of not more than six months, or by any combination of such fine and imprisonment. Any day of any violation of this ordinance shall constitute a separate offense.

SECTION 4: All ordinances or parts of ordinances, sections, subsections, phrases, sentences, clauses or paragraphs

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contained in the Municipal Code of the City of Las Vegas, Nevada,
1983 Edition, in conflict herewith are hereby repealed.

PASSED, ADOPTED and APPROVED this _____ day of
_____, 1987.

APPROVED:

By _____
RON LURIE, Mayor

ATTEST:

KATHLEEN M. TIGHE, City Clerk

1 A SUPPLEMENTAL DOCUMENT AMENDING THE UNIFORM
2 FIRE CODE, 1985 EDITION

3 Certain parts, articles, divisions, sections and subsec-
4 tions of the 1985 Edition of the Uniform Fire Code are hereby
5 supplemented, modified, amended and deleted as is provided for in
6 this Supplemental Document. If a conflict exists between any
7 provision of this Supplemental Document and any provision of the
8 Uniform Fire Code, 1985 Edition, or the Uniform Building Code,
9 1985 Edition, the provisions of this Supplemental Document shall
10 prevail.

11 SECTION 1: Part I of the Uniform Fire Code, 1985
12 Edition, is hereby amended by adding thereto a new article,
13 designated as Article 5, reading as follows:

14 ARTICLE 5
15 FIRE MARSHAL REGULATIONS

16 Division I
17 IDENTIFICATION OF PREMISES

18 Directory Required

19 Sec. 5.101. Apartment complexes, condominiums, residen-
20 tial complexes for retired persons and mobile home parks that do
21 not follow the standard city street numbering patterns or guide-
22 lines shall display a permanent directory in a conspicuous loca-
23 tion, either at the main entrance or just outside the main office
24 thereof that contains the information that is required by subsec-
25 tions (a) to (g), inclusive, of this Section 5.101.

26 (a) The directory shall be of sufficient size that let-
27 ters, numbers, streets and similar means of identification are
28 easily read from the closest vehicular access.

29 (b) The directory shall have lighting so as to be
30 visible and readable at night.

31 (c) The directory shall give locations of different
32 buildings apartment or space number.

1 (d) The directory shall be so designed as to show
2 those buildings, apartments, or mobile home spaces in relation to
3 the streets, driveways, or walkways servicing each.

4 (e) The owners and/or operators of those complexes or
5 mobile home parks shall be required to supply thirty (30) printed
6 8-1/2 by 11 inch copies of the directory to the Fire Department.

7 (f) The owners and/or operators of these complexes or
8 mobile home parks shall be required to correct the directory and
9 supply corrected printed directories to the Fire Department
10 whenever additions, alterations or corrections are made to the
11 complexes or mobile home parks.

12 (g) The printed directories shall show the location of
13 hydrants on roadways, walkways, or parking lots which are located
14 within or immediately adjacent to the complexes or mobile home
15 parks.

16 Division II
17 FIRE DRILLS

18 Frequency and Manner of Conducting

19 Sec. 5.201. (a) Fire drills shall be held at least
20 once a month in Educational Occupancies where such occupancies
21 constitute the major occupancy of a building and a minimum of
22 once a month on each shift in institutional occupancies. During
23 severe weather fire drills shall be rescheduled. A record of
24 all fire drills shall be kept and the person in charge of such
25 occupancies shall file written reports at least quarterly with
26 the Fire Prevention Division giving the time and date of each
27 drill held. Such records shall be attested to by the signature
28 of the person or persons conducting said fire drills.

29 (b) In Educational Occupancies, fire drills shall
30 be conducted in accordance with NRS 392.450 and 394.170 and shall
31 include complete evacuation of all persons from the building. In
32 Institutional Occupancies, fire drills shall be conducted to fami-

1 liarize operating personnel with their assigned positions of
2 emergency duty. Complete evacuation of occupants from the
3 building in Institutional Occupancies at the time of the fire
4 drill shall be required only where it is practical and does not
5 involve moving non-ambulatory patients or disturbing persons
6 under medical care.

7 (c) In R type Occupancies fire drills shall be required
8 at the discretion of the Chief.

9 Division III
10 PORTABLE EXTINGUISHING EQUIPMENT FOR APARTMENTS

11 Type Required and Location

12 Sec. 5.301. (a) At least one (1) Class 2A10BC rated
13 fire extinguisher shall be installed on the exterior of each
14 building that is intended to be occupied by a tenant and main-
15 tained by apartment building owner/managers.

16 (b) Apartment buildings are "apartment houses" as
17 defined in the 1985 Uniform Fire Code, Section 9.103. In accor-
18 dance with the 1985 Uniform Fire Code Standard No. 10-1, portable
19 fire extinguishers shall be located as stipulated in Chapter 3 of
20 said Standard. Extinguishers shall be serviced in accordance
21 with the current Nevada State Fire Marshal Regulations.

22 (c) In lieu of requirements in the 1985 Uniform Fire
23 Code Standard No. 10-1, one portable fire extinguisher, rated
24 one-A (1A), properly mounted, will be acceptable in each indivi-
25 dual apartment rental unit, providing the owner/manager maintains
26 records of service dates of these extinguishers.

27 Division IV
28 HYDRANT INSTALLATIONS

29 Definitions

30 Sec. 5.401. (a) "Private," as the same relates to fire
31 hydrants, water mains, underground systems and their appurtenan-
32 ces, means those items that are not installed in the public

1 right-of-way.

2 (b) "Public," as the same relates to fire hydrants,
3 water mains, underground systems and their appurtenances, means
4 those items that are installed in the public right-of-way.

5 Installation

6 Sec. 5.402. (a) All public and private fire hydrants
7 shall be installed in accordance with Las Vegas Valley Water
8 District Standard Plate #7, dated October 5, 1984, or the latest
9 revision thereof, as the same has been approved by the Las Vegas
10 Fire Department. Fire hydrants in commercial areas shall be
11 spaced, depending on the size, spacing and construction of the
12 buildings, in such a manner as to place all construction and com-
13 bustible open-storage materials within five hundred feet
14 (500') of an approved fire hydrant. Fire hydrants in residential
15 planned unit developments (row housing) and planned unit con-
16 dominium apartment complexes shall be spaced not more than five
17 hundred feet (500') apart, depending on the size, spacing, and
18 construction of the buildings.

19 (b) Because of large open spaces in planned unit deve-
20 lopments, spacing may be erratic. Islands on major streets may
21 require adjustments to spacing. Fire hydrants in single family
22 detached dwelling areas shall be spaced not more than six hundred
23 feet (600') apart, depending on the size, spacing and construc-
24 tion of the buildings.

25 Submittals

26 Sec. 5.403. Two (2) sets of "water plans" that have
27 been prepared by the developer shall be submitted to the Fire
28 Prevention Division for approval prior to the installation of
29 fire hydrants and/or water mains. Of the two (2) sets of plans,
30 one set (the original) will be returned when it is signed and
31 approved. A space at least 3½" wide by 2" high shall be provided
32 on the bottom right hand corner of the plans for the Fire

1 Department approval stamp. A "vicinity map" and the Fire
2 Department General Notes must also be on the plans. The plans
3 are to show the location, size and type of new and existing water
4 mains, the location of existing and new hydrants, hydrant control
5 street valves, water main connections, control valves, stubs,
6 etc. In addition, the plans are to show curb lines and
7 sidewalks, streets, alleys and driveways, walls and fences, pro-
8 perty lines, vehicle parking layouts, buildings and anything else
9 pertinent to hydrant locations.

10 Public and Private Fire Hydrant Specifications

11 Sec. 5.404. All new public and private fire hydrants
12 shall be designed, manufactured and tested in compliance with the
13 1985 edition of American Water Works Association Standard C-502,
14 entitled "Standard for Dry-Barrel Fire Hydrants," or the latest
15 revision thereof, and shall comply with the Las Vegas Fire
16 Department's "Technical Specifications-Fire Hydrants" that is
17 available from the Fire Prevention Division.

18 Initial Inspections

19 Sec. 5.405. (a) With respect to private hydrant
20 installations, the installer is required to contact the Fire
21 Department forty-eight (48) hours in advance for two inspections
22 during installation. The initial inspection consists of
23 inspecting the gravel bed, concrete thrust block, hydrant weep
24 holes, hydrant control street valve location, hydrant location,
25 obstruction to the hydrant, and the hydrant itself.

26 (b) With respect to public hydrant installations, all
27 initial inspections shall be performed by the Las Vegas Valley
28 Water District.

29 Final Inspections

30 Sec. 5.406. (a) The final inspection consists of
31 flushing the hydrant; determining the static, residual and flow
32 pressure of the hydrant; and checking the location, clearances,

1 condition and protection, if required, of the hydrant, the
2 painting of the hydrant (yellow), curb (red), striping of asphalt
3 (yellow, if required) and anything else pertinent to hydrant
4 location and installation. A two inch (2") to six inch (6")
5 clearance shall be required between the concrete pad and the bot-
6 tom flange of hydrant.

7 (b) With respect to public hydrant installations, all
8 final inspections shall be performed by the Las Vegas Valley
9 Water District.

10 System Testing

11 Sec. 5.407. (a) All private water mains for fire pro-
12 tection systems and fire hydrants shall be tested in accordance
13 with National Fire Protection Association Standard 24, entitled
14 "Standard for the Installation of Private Fire Services Mains and
15 Their Appurtenances."

16 (b) Tests shall be made by the installer in the pre-
17 sence of a representative of the Fire Department and the owner
18 of the property or his agent.

19 Private Underground Systems

20 Sec. 5.408. (a) All components of underground fire
21 line systems shall be either Underwriters Laboratory or Factory
22 Mutual approved.

23 (b) Before asking for final approval of an installation
24 by the authority having jurisdiction, the installing company
25 shall furnish a written statement, counter signed by the property
26 owner or representative, to the effect that the work has been
27 completed in accordance with approved specifications and plans.
28 The Contractor's Materials and Test Certificate, shown in
29 National Fire Protection Association Standard 13, Standard for
30 the Installation of Sprinkler Systems, is to be used to the
31 extent it applies.

32 (c) The trench shall be backfilled between joints

1 before testing to prevent movement of pipe.

2 Pre-Construction Water Supply

3 Sec. 5.409. On any commercial or subdivision building
4 construction, accessible fire hydrants shall be installed to
5 comply with the required standards before the actual combustible
6 construction commences, and said fire hydrants shall be in good
7 working order.

8 Identification

9 Sec. 5.410. Painting of curbs and asphalt parking areas
10 shall be completed by the installer prior to the final inspection
11 and shall be as follows:

12 (a) A suitable coat of red paint (Zone-Lac Glass Curb
13 Enamel #716A9 Red or equivalent) shall be applied to curbs in
14 front of hydrants as follows:

15 Parallel Parking: 30' (15' on each side of the
16 hydrant).

17 Head on Parking: 40' (25' on the acute angle side
18 and 15' on the obtuse angle side of the hydrant).

19 (b) A suitable coat of "street marking" yellow paint
20 shall be applied to the asphalt in the striping effect, according
21 to City Traffic Engineering specifications.

22 (c) Painting of the curbs and/or striping of asphalt
23 for protection from physical injury per Fire Department "Hydrant
24 Installation Specifications" shall be completed before approval
25 of the hydrants by the Fire Department can be obtained.

26 Location

27 Sec. 5.411. Fire hydrants shall not be located within
28 6' of a driveway, power pole, light standard, or other obstruc-
29 tion. For wall, fence, and planter locations relative to
30 hydrants, see subsections (a) through (d), inclusive, of this
31 Section 5.411.

32 (a) For an obstruction that is no higher than the bot-

1 tom of the lowest outlet with cap on, a twenty-four inch (24")
2 clearance from the center of the hydrant to each side is
3 required. The front shall not be obstructed.

4 (b) For an obstruction that is no higher than the
5 hydrant, but is above the bottom of the lowest outlet with the
6 cap on, a twenty-four (24") clearance is required on each side.
7 The front shall not be obstructed.

8 (c) For an obstruction higher than the hydrant, a
9 thirty-six inch (36") clearance is required from the center of
10 the hydrant to each side, or as may otherwise be approved by the
11 Chief. The front shall not be obstructed.

12 (d) Bushes, plants, trees, etc., shall not obstruct
13 maintenance or operation of the hydrant.

14 Existing Hydrants

15 Sec. 5.412. When property with existing fire hydrant
16 protection is developed, the existing fire hydrants shall be
17 brought up to meet or exceed the requirements of the Fire
18 Department's Hydrant Specifications and Hydrant Installation
19 Specifications when required by the Chief.

20 Valves

21 Sec. 5.413. Hydrant control valves are to be located as
22 close as practicable to the main. Sectional water main control
23 valves are to be located per Fire Department requirements. A
24 sectional control valve must be installed after every two
25 hydrants on a water system so that no more than two hydrants will
26 be out of service due to a break in a water main. Single
27 hydrants are not required to be isolated on a water main as all
28 hydrants have shut-off valves on their laterals.

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1 Division V
2 PRIVATE UNDERGROUND WATER SUPPLY

3 As-Built Drawings Required

4 Sec. 5.501. Upon completion of the installation of any
5 underground water system supplying on-site fire protective devi-
6 ces or systems such as fire hydrants and sprinkler systems, a
7 complete as-built drawing of said system, starting at the water
8 vault, and including each and every portion of said system, shall
9 be submitted to the Fire Prevention Division for future referen-
10 ces. This drawing shall include all underground valves and any
11 pertinent information that could prove useful at a later date.
12 It shall be the responsibility of the Hydrant Division to obtain
13 and verify these drawings as part of the approval procedure of
14 all new systems or the modification of existing systems.

15 Division VI
16 SIGNALING SYSTEMS

17 Permits Required

18 Sec. 5.601. Before any fire related signaling system is
19 installed, the company making the installation, including the
20 approved Central Station Signaling Office, shall apply to the
21 Fire Prevention Division for all applicable permits. The appli-
22 cant shall identify the type of system to be installed as
23 designated in the applicable N.F.P.A. Standards 71, 72a, 72b,
24 72c, or 72d.

25 General Requirements

26 Sec. 5.602. (a) All audible signal devices for alarm
27 systems in commercial buildings shall produce not less than
28 eighty (80) decibels sound levels throughout the protected area.

29 (b) Group B, Division 2 Occupancies having areas in
30 excess of 40,000 square feet, ground floor, shall be provided
31 with a Class II, Type A, B, C, or D fire alarm system.

32 (c) Group B, Division 2 Occupancies, three (3) or more

1 stories but less than 55 feet in height, shall be provided with
2 Class III, Type A, B, C, or D fire alarm system.

3 (d) Group I, Division 1 and 2 Occupancies and mental
4 hospitals shall be provided with an approved automatic smoke-
5 detection and manually activated Class III alarm system or Type
6 A, B, C or D.

7 (e) Group R, Division 1, and Group B, Division 2,
8 Occupancies of three (3) or more stories shall be provided with
9 at least three (3) separate zones for each floor, including one
10 (1) zone for pull stations, one (1) zone for smoke detectors and
11 one (1) zone for each water flow device.

12 Supervision

13 Sec. 5.603. All fire alarm systems shall be supervised.
14 Supervision shall be by an Underwriters Laboratory approved
15 central signal service, a remote station service or a local alarm
16 which will give an audible signal at a constantly attended loca-
17 tion.

18 Inspection Contracts for Fire Alarm Systems

19 Sec. 5.604. The owner or occupant of any commercial
20 facility that has a fire alarm system shall obtain a maintenance
21 and inspection contract for such system. The test agreement bet-
22 ween the building owner and service company shall cover all alarm
23 equipment, i.e., control panel, annunciator panel and peripheral
24 devices, including such wiring as may be necessary for the system
25 to function properly. The service representative shall make as
26 many visits as necessary to insure that all equipment is func-
27 tioning as designed.

28 Minimum Service Requirements

29 Sec. 5.605. (a) All fire alarm systems shall be tested
30 and inspected quarterly by a service company or alarm contractor
31 that is licensed by the State Fire Marshal and certified by the
32 manufacturer of the equipment being installed. The alarm

1 contractor shall also have a license to do business within the
2 City.

3 EXCEPTION: The following occupancies shall be tested
4 and inspected semiannually: Group I,
5 Division 1, 2, and 3, Occupancies. Group
6 R, Division 1, Occupancies, of three (3)
7 or more stories.

8 (b) For all tests, the service company shall:

9 1. Physically ascertain that all audible signaling
10 appliances are functioning properly during the
11 annual contract period.

12 2. Inspect and operate all outlying initiating and
13 indicating devices during the annual contract
14 period.

15 3. Test and adjust all control equipment.

16 4. Check alarm systems on the standby power source
17 during the annual contract period.

18 5. Check the system to ascertain whether it will
19 function properly under abnormal line conditions,
20 such as open line and grounded line tests.

21 (c) The service company shall make itself available for
22 emergency call twenty-four (24) hours a day, seven (7) days a
23 week. Said service company shall submit evidence of the capabi-
24 lity to provide for repair and restoration of fire alarm system
25 within 24 hours of notification of a fault in the system.

26 (d) All inspection reports shall be forwarded to the
27 Fire Prevention Division within thirty (30) days after the
28 inspection, unless major deficiencies exist, in which case
29 reports shall be forwarded immediately.

30 (e) Prior to and after service or testing of any equip-
31 ment, the Fire Department alarm office shall be notified of the
32 location of the test and the approximate time the equipment will

1 be inoperable.

2 (f) A Fire Department representative will accompany the
3 service company on one of its visits during the contract period.
4 The Fire Department shall be notified twenty-four (24) hours
5 prior to testing by the service company.

6 (g) In the event the contract is cancelled or not
7 renewed, the Fire Department shall be notified by the service
8 company within twenty-four (24) hours.

9 Division VII
10 SPRINKLER SYSTEMS

11 General Requirements

12 Section 5.701. The owner or occupant of any facility
13 that requires a sprinkler system shall obtain a maintenance and
14 inspection contract for such system. The sprinkler system main-
15 tenance and inspection contract shall include the testing by a
16 licensed sprinkler contractor of all water flow actuated devices,
17 gate valve supervising switches, tank water level devices and
18 other sprinkler system supervisory devices quarterly. Fire pump,
19 whether new or existing, shall be tested by a qualified service
20 company at least once a year. All tests shall be completed in
21 accordance with applicable standards.

22 Supervision

23 Sec. 5.702. All automatic sprinkler systems, including
24 those existing systems, shall be supervised as determined by the
25 Chief. Supervision shall be by an approved central, proprietary
26 or remote station service or local alarm which will give an
27 audible signal at a constantly attended location.

28 EXCEPTION: The provisions of Sections 5.701 and
29 5.702 do not apply to single family
30 detached dwellings or to multi-family
31 dwellings of less than three (3) stories.

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1 Protection Association Pamphlet #17, #96, manufacturer's speci-
2 cations and this ordinance. The Nevada State Fire Marshal's
3 Certificate of Registration assigned number and signature of
4 installer shall also be affixed to the "as-built" diagram. If
5 the installation or modification does not meet the above speci-
6 fications, a "stop-order" shall be immediately issued to discon-
7 tinue future use of the affected cooking appliances until the
8 installation or modification meets all required specifications.

9 Portable Extinguishers

10 Sec. 5.902. In addition to the fixed system, a dry chem-
11 ical portable extinguisher which has a rating of not less than
12 20-B shall be installed near the food processing equipment. For
13 additional portable extinguishers, see U.F.C. Standard No. 10-1.

14 Division X
15 BONFIRES AND OUTDOOR RUBBISH FIRES

16 Permit from Air Pollution Control Board Required

17 Sec. 5.1001. In order for a person to receive a permit
18 under this section, he must first have obtained a permit from the
19 Air Pollution Control Board.

20 Division XI
21 FLAMMABLE DECORATIVE MATERIALS

22 Display Prohibited in Commercial and Industrial Occupancies;
23 Exceptions

24 Sec. 5.1101. (a) Cotton batting, either natural, arti-
25 ficial or manufactured, straw, dry vines, leaves, trees or other
26 highly flammable materials shall not be used for decorative pur-
27 poses in show windows or other parts of commercial, industrial or
28 institutional occupancies unless made flame retardant; provided,
29 however, that nothing in this section shall be held to prohibit
30 the display of salable goods permitted and offered for sale.

31 (b) Electric light bulbs in such occupancies shall not
32 be decorated with paper or other combustible materials unless

1 such materials shall first have been rendered flame retardant.

2 Certificate of Flame-retardant Required

3 Sec. 5.1102. The Fire Department shall be provided a
4 certificate of flame-retardant application, with a fabric sample
5 attached, for all decorative materials.

6 Floor Coverings

7 Sec. 5.1103. (a) For hotels and motels, all floor
8 coverings, including without limitation pads, in guest rooms
9 shall be Class III, as determined in accordance with the radiant
10 panel flux test. Floor coverings, including without limitation
11 padding and adhesion method, shall be tested and approved as
12 installed. The test and approval shall be in accordance with
13 NFPA #253.

14 (b) A minimum of two (2) samples of the floor covering,
15 padding and the test results, as performed by a certified testing
16 laboratory, must be submitted to the Fire Marshal's Office prior
17 to installation. The samples must be clearly identified as to
18 type and must be identical to those tested.

19 Division XII
20 ROOFING KETTLES

21 General Provisions

22 Sec. 5.1201. (a) Roofing kettles shall not be placed
23 within fifteen (15) feet of any opening in any occupied building
24 except on a public street.

25 (b) Roofing kettles shall not be placed in such a loca-
26 tion as to block exits, means of egress, gates, roadways or
27 entrances.

28 (c) In institutions, schools and assembly occupancies,
29 when such buildings are occupied, the roofing kettles shall be
30 enclosed by a substantial barrier. The barrier shall be at least
31 twenty-five (25) feet away from the kettle. The barrier shall
32 clearly indicate that the enclosed area is restricted to use by

1 constructed in a workmanlike manner and shall be adequate to sup-
2 port the kettle while standing.

3 Division XIII
4 EXCAVATION PERMITS

5 Application for Permit

6 Sec. 5.1301. (a) If any proposed excavation activity
7 will involve the use of explosives, a "ballbreaker" or a
8 "ram-hoe," or any combination thereof, the contractor shall apply
9 to the Department of Community Planning and Development, on a
10 form to be supplied by that Department, for and be granted an
11 excavation permit so to do before any excavation activity may
12 commence.

13 (b) The application must indicate:

14 1. The contractor's name, business address and
15 business and home telephone numbers;

16 2. The location at which the excavation activity
17 is proposed to take place;

18 3. The method of excavation;

19 4. A schedule of the days of the week on which,
20 and the hours of the day during which, the excavation
21 activity is proposed to take place; and

22 5. The name and address of the contractor's
23 insurance carrier and the name, address and telephone
24 number of the carrier's local insurance adjuster.

25 (c) The application shall be accompanied by evidence of
26 combined single limit liability insurance, or coverage that
27 affords comparable protection, in the minimum amount of One
28 Hundred Thousand and No/100ths Dollars (\$100,000.00), the policy
29 in respect of which must name the City as an additional insured
30 thereunder and must require the carrier to provide the City with
31 a written notice of any cancellation thereof or any reduction in
32 the coverages that are provided thereby at least thirty (30) days

1 before any such cancellation or reduction may become effective.

2 Review and Approval of Application

3 Sec. 5.1302. The Department of Community Planning and
4 Development shall forthwith refer the application to the
5 Excavation Committee, which shall review and, except as is other-
6 wise provided in subsection (c) of Section 5.1303, either approve
7 or disapprove the same within two (2) working days after its
8 receipt thereof and forward any approved application to the
9 appropriate City department, as determined in accordance with
10 Section 5.1304.

11 Blasting and "Ballbreaking"

12 Sec. 5.1303. If the application proposes the use of
13 explosives or a "ballbreaker," or both:

14 (a) The Excavation Committee shall:

15 1. Determine whether or not a pre-excavation eval-
16 uation by a licensed engineer who specializes in soil
17 dynamics should be performed and, if so, may require
18 that such engineer, at the expense of the contractor,
19 monitor the excavation activities while they are in
20 progress;

21 2. Determine what information should be required
22 from the contractor with respect to the measures that it
23 intends to initiate for the control of flying rock
24 fragments and other excavated material and the protec-
25 tion of the environment and, in this connection, may
26 require such additional fragment controls and environ-
27 mental protection as it, in its sole and absolute
28 discretion, deems are appropriate; and

29 3. Have the authority to limit the days of the
30 week on which, and the hours of the day during which,
31 the blasting or "ballbreaking" may take place, the
32 number of charges of explosives that may be discharged

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at any one time or the size of each charge, or any combination thereof.

(b) In addition to its duties that are set forth in subsection (b) of this Section 5.1303, the Excavation Committee may require the contractor to:

1. Provide, at its sole cost and expense, pre-excavation and post-excavation monitoring of selected properties;

2. Provide such additional liability insurance as it, in its sole and absolute discretion, deems is appropriate and, if such additional insurance is required, the same shall be subject to the provisions of subsection (c) of Section 1301 above; and

3. Notify the owners of all of the properties that are situate within such radius of the property on which the excavation activity is proposed to take place as the Excavation Committee, in its sole and absolute discretion, determines, and, if such notification is required:

(i) It shall be given in the form of a letter, the contents of which shall be supplied by the City, on the letterhead of the contractor;

(ii) The contractor shall make every effort to effect such notification by the delivery, by hand, of a copy of such letter to the occupants of each of the developed properties within the prescribed area; and

(iii) The contractor shall provide evidence to the Excavation Committee in writing that certifies that the notification has been provided in accordance with this subsection (b).

(c) Upon the contractor's satisfaction of all of the

1 requirements that are imposed upon it pursuant to subsections (a)
2 and (b) of this Section 5.1303, the Excavation Committee shall
3 forthwith approve the application and forward the same to the
4 Fire Department for its review, which, in turn, will indicate its
5 review thereon and forward it to the appropriate City department,
6 as determined in accordance with Section 5.1304.

7 Sec. 5.1304. After the application has been approved
8 by the Excavation Committee and, if such review is required by
9 Section 5.1303, reviewed by the Fire Department, the application
10 shall be forwarded to:

11 (a) The Department of Building and Safety, if the exca-
12 vation activity is proposed to take place on private property,
13 or

14 (b) The Division of Land Development of the Department
15 of Public Works, if the excavation activity is proposed to take
16 place on the public right-of-way,
17 which shall issue the excavation permit.

18 Sec. 5.1305. The issuance of an excavation permit shall
19 not preclude the Excavation Committee from subsequently imposing
20 additional requirements on the contractor or supplementing any
21 existing requirement whenever, in the opinion of the Excavation
22 Committee, later information or newly discovered conditions
23 justify such additional or supplemental requirements.

24 Sec. 5.1306. No excavation permit may be issued for a
25 period that extends beyond the expiration date of the contrac-
26 tor's liability insurance, and any cancellation of the policy in
27 respect thereof, or any reduction in the coverages that are pro-
28 vided thereby below the amount that is specified in subsection
29 (c) of Section 5.1301, shall result in the automatic revocation
30 of any excavation permit that is issued hereunder unless the
31 policy is replaced, or the coverages that are provided thereby
32 are restored to the required amount, as the case may be, before

1 in fire protection procedures that will be conducted by the Fire
2 Department.

3 (b) Such training shall instruct the attendees thereof
4 in the following areas:

- 5 1. Recognition of explosives;
- 6 2. Bomb threat procedures;
- 7 3. Damage control blast mitigation;
- 8 4. Excavation procedures;
- 9 5. Cardio/pulmonary resuscitation;
- 10 6. Practical first aid;
- 11 7. Function of sprinkler systems; and
- 12 8. Function of alarm systems and the fire command
13 control center.

14 (c) The employees who receive such training may attend
15 annual refresher courses and will be drilled in the foregoing
16 procedures at the discretion of the Chief.

17 SECTION 2: Article 1 is hereby amended by adding
18 thereto a new section, designated as Section 1.104, reading as
19 follows:

20 Companion Codes Adopted

21 Sec. 1.104. (a) There is hereby specifically adopted,
22 as a part of this code, the following companion standards and
23 publications:

- 24 1. NFPA National Fire Codes (1987 Edition)
- 25 2. Factory Mutual Systems (1987 Edition)
- 26 3. Underwriters Laboratories Standards (1987 Edition)
- 27 4. Nevada State Fire Marshal Regulations (1986
28 Edition)

29 (b) Whenever a provision of any of the standards and
30 publications that are adopted by subsection (a) of this Section
31 1.104 apply to the subject matter of a provision of any other of
32 said standards and publications or a provision of the Uniform

1 Fire Code, including any supplemental document adopted by the
2 City, or the Uniform Building Code, including any supplemental
3 document adopted by the City, the more stringent of the two pro-
4 visions shall prevail, except as may otherwise be determined by
5 the Chief.

6 (c) Except as is otherwise provided in subsection (b)
7 of this Section 1.104, if a conflict exists between any provision
8 of the Uniform Fire Code, including any supplemental document
9 adopted by the City, or the Uniform Building Code, including any
10 supplemental document adopted by the City, and any provision of
11 any of the standards and publications that are adopted by subsec-
12 tion (a) of this Section 1.104, the provision of the Uniform Fire
13 Code or the provision of the Uniform Building Code, as the case
14 may be, shall prevail. If a conflict exists between any provi-
15 sion of any of the standards and publications that are adopted by
16 subsection (a) of this Section 1.104 and any provision of any
17 other of said standards and publications, the provision of the
18 standards or publication that bears the lower paragraph number in
19 said subsection (a) shall prevail.

20 SECTION 3: Article 1 is hereby further amended by
21 adding thereto a new section, designated as Section 1.105,
22 reading as follows:

23 Appendices Adopted

24 Sec. 1.105. There is hereby specifically adopted, as a
25 part of this code, the following appendices to the Uniform
26 Fire Code, 1985 Edition: Division I, Appendix I-A, Appendix
27 I-B, as amended by Section 40 of this Supplemental Document, and
28 Appendix I-C; Division II, Appendix II-D; Division III, Appendix
29 III-A and Appendix III-C; Division IV, Appendix IV-A; Division
30 VI, Appendix VI-C.

31 SECTION 4: Section 2.203 is hereby amended by adding
32 thereto a new subsection, designated as subsection (c), reading

1 as follows:

2 (c) The charge for the reproduction of such a report
3 will be three dollars (\$3.00) for the first three (3) pages, or
4 portion thereof, and fifty cents (\$.50) for each additional
5 page.

6 SECTION 5: Section 2.302 is hereby deleted.

7 SECTION 6: Subsection 10 of Section 4.101 is hereby
8 amended to read as follows:

9 10. Compressed gases, flammable. (A) A permit shall
10 be required for the installation, storage, use and/or handling of
11 flammable compressed gases for commercial purposes.

12 (B) A permit shall be required for the installation,
13 storage, use and/or handling of all non-flammable compressed
14 gases, inclusive of medical gas systems.

15 (C) For permits for cryogenics and hazardous materials,
16 see Article 74.

17 SECTION 7: Subsection 15 of Section 4.101 is hereby
18 amended to read as follows:

19 15. Explosives or blasting agents. For permits for
20 explosive or blasting agents, see Division XIII of Article 5.

21 SECTION 8: Section 4.101 is hereby amended by adding
22 thereto a new subsection, designated as subsection 15A, reading
23 as follows:

24 15A. Fire protection, Life Safety Systems and
25 Appliances. For permits for the installation and maintenance of
26 all Fire Protection, Life Safety Systems and Appliances, see
27 Division III of Article 10.

28 SECTION 9: Section 4.101 is hereby further amended by
29 adding thereto a new subsection, designated as subsection 41A,
30 reading as follows:

31 41A. Service vehicles. To operate a service vehicle.
32 Such permits shall be issued upon inspection of the service

1 vehicle by the Department. Proof of permit will be stamped with
2 the initials L.V.F.D. and the assigned tag number on one side.
3 The proof of permit tag shall be attached to the service vehicle
4 by means of a wire seal and shall be on the vehicle at all times.
5 The proof of permit tag shall be affixed to the outside rear view
6 mirror on the driver's side of the vehicle.

7 SECTION 10: Section 9.121 is hereby amended by adding,
8 between the definitions of "Service Station, Marine" and "Small
9 Arms Ammunition," a definition of "Service Vehicle," reading as
10 follows:

11 SERVICE VEHICLE is a vehicle used for the purpose of
12 carrying fuel, oil or grease to equipment used in construction,
13 which ordinarily would not be serviced in service stations.

14 SECTION 11: Subsection (k) of Section 10.207 is hereby
15 amended to read as follows:

16 (k) Obstruction. The required width of any fire
17 apparatus access road shall not be obstructed in any manner,
18 including parking of vehicles. Minimum required widths and
19 clearances as established by the Chief shall be maintained at all
20 times.

21 SECTION 12: Section 10.207 is hereby amended by adding
22 thereto a new subsection, designated as subsection (m), reading
23 as follows:

- 24 (m) Fire Lanes. 1. Fire lanes within the jurisdic-
25 tional authority shall be regulated by the Chief.
26 2. It shall be the responsibility of the owner of any
27 property with respect to which the Chief has
28 designated one or more fire lanes to indicate the
29 same with signs and red curb painting and to main-
30 tain it or them clear of all obstructions and
31 freely accessible for all fire equipment and
32 apparatus.

1 3. When a sign is erected in any fire zone or when
2 the same is indicated by red curb painting, giving
3 notice thereof, it shall be unlawful for any person
4 to park a motor vehicle in, or otherwise obstruct,
5 such fire lane.

6 SECTION 13: Section 10.208 is hereby amended by adding
7 at the end thereof, a new paragraph, reading as follows:

8 Premise identification shall conform to Section 5.101.

9 SECTION 14: Section 10.209 is hereby amended to read as
10 follows:

11 Key Box

12 Sec. 10.209. Key Box Required. All commercial occupan-
13 cies, as required by the Chief, shall be provided with a key box.
14 The key box shall be of an approved type and shall contain keys
15 to gain necessary access as required by the Chief.

16 EXCEPTION: In Groups R, Division 3, and all M
17 Occupancies the key box shall be
18 omitted. Key boxes shall not be required
19 for condominiums and occupancies that are
20 normally not locked.

21 (b) Location on Building. The key box shall be located
22 as follows:

- 23 1. On the exterior of the building within six feet
24 (6') of the recognized public entrance (the normal
25 point of access by Fire Department).
26 2. No less than five feet (5') nor more than seven
27 feet (7') above grade below the box.

28 (c) Box Contents. The key box shall be a type approved
29 by the Chief and shall contain keys (and/or metal card key with
30 metal imprint) to gain necessary access as required by the
31 Chief.

32 (d) Color. The color of the key box shall be in high

1 contrast with its background as required by the Chief.

2 (e) Location on Property. The owner or his agent shall
3 submit to the Fire Department a detailed diagram of the property
4 indicating the location of the key box.

5 SECTION 15: Article 10 is hereby amended by adding
6 thereto a new section, designated as Section 10.210, reading as
7 follows:

8 Fire Prevention Programs

9 Sec. 10.210. Fire prevention programs, including
10 without limitation building evacuation drills, staff training and
11 appliance maintenance, shall be performed as prescribed in
12 Division XIV of Article 5.

13 SECTION 16: Subsection (a) of Section 10.301 is hereby
14 amended to read as follows:

15 (a) Type Required. The chief shall designate the type
16 and number of fire appliances to be installed and maintained in
17 and upon all buildings and premises in the jurisdiction other
18 than private dwellings. This shall be done according to the
19 relative severity of probable fire, including the rapidity with
20 which it may spread. Such appliances shall be of a type suitable
21 for the probable class of fire associated with such building or
22 premises, as determined by the Chief.

23 Portable fire extinguishers shall be in accordance with
24 U.F.C. Standard No. 10-1.

25 SECTION 17: Subsection (b) of Section 10.301 is hereby
26 amended to read as follows:

27 (b) Special Hazards. In occupancies of an especially
28 hazardous nature or where special hazards exist in addition to
29 the normal hazard of the occupancy, or where access for fire
30 apparatus is unduly difficult, additional safeguards may be
31 required consisting of additional fire appliance units, more than
32 one (1) type of fire appliance or special systems suitable for

1 the protection of the hazard involved. Such devices or applian-
2 ces shall consist of, but not be limited to automatic fire alarm
3 systems, automatic sprinkler or water spray systems, standpipe
4 and hose, fixed or portable fire extinguishers, suitable asbestos
5 blankets, breathing apparatus, manual or automatic covers, carbon
6 dioxide, foam, halogenated and dry chemical or other special fire-
7 extinguishing systems. Fire Protection/Life Safety features
8 required by the Fire Marshal in special hazard occupancies shall
9 be installed and maintained in accordance with the applicable
10 Standards of the Uniform Fire Code, National Fire Protection
11 Association and/or Factory Mutual.

12 SECTION 18: Subsection (e) of Section 10.301 is hereby
13 amended to read as follows:

14 (e) Approval and Testing. All fire alarm systems, pri-
15 vate fire hydrant systems, fire-extinguishing systems (including
16 automatic sprinklers), wet and dry standpipes, basement inlet
17 pipes, and other fire-protection systems and pertinents thereto
18 shall meet the approval of the fire department as to installation
19 and location and shall be subject to such periodic tests as
20 required by the Chief. Plans and specifications shall be sub-
21 mitted to the Fire Department for review and approval prior to
22 construction, in accordance with Division VI of Article 5.

23 SECTION 19: Subsection (a) of Section 10.302 is hereby
24 amended to read as follows:

25 (a) General. All sprinkler systems, private fire
26 hydrant systems, standpipe systems, fire alarm systems, portable
27 fire extinguishers, smoke and heat detectors, smoke removal
28 systems and other fire-protective or extinguishing systems or
29 appliances shall be maintained in an operative condition at all
30 times and shall be replaced or repaired where defective. Fire-
31 protective or extinguishing systems coverage, spacing and speci-
32 fications shall be maintained in accordance with recognized

1 standards at all times. Such systems shall be extended, altered
2 or augmented as necessary to maintain and continue protection
3 whenever any building so equipped is altered, remodeled or added
4 to. All additions, repairs, alterations and servicing shall be
5 in accordance with recognized standards.

6 SECTION 20: Section 30.105 is hereby amended by adding
7 thereto a new subsection, designated as subsection (c), reading
8 as follows:

9 (c) The construction shall conform to the provisions of
10 Section 910 of the Uniform Building Code, Chapter 11 of the
11 Uniform Mechanical Code and Articles 500 to 503, inclusive of the
12 National Electrical Code.

13 SECTION 21: Division III of Article 24 is hereby
14 amended by adding thereto a new section, designated as Section
15 24.306, reading as follows:

16 Fire Alarms

17 Sec. 24.306. Communication facilities shall be pro-
18 vided from the roof area to allow notification of the Fire
19 Department or, alternatively, a pull station shall be installed
20 and connected to the fire alarm system installed within the
21 building.

22 SECTION 22: Subsection (c) of Section 45.307 is hereby
23 amended to read as follows:

24 (c) Dip tanks containing a liquid with a flash point
25 below 100°F. (when used in such manner that the liquid temperature
26 may equal or be greater than its flash point from artificial or
27 natural causes) shall conform to Section 45.307(b) when having
28 both a capacity of more than 10 gallons and a liquid surface area
29 of more than 4 square feet.

30 SECTION 23: Section 74.211 is hereby amended to read as
31 follows:

32

1 Warning Systems

2 Sec. 74.211. Warning systems shall be installed, main-
3 tained and tested in accordance with Chapter 3 of N.F.P.A. #56F.

4 SECTION 24: Division II of Article 74 is hereby amended
5 by adding thereto a new section, designated as Sections 74.213,
6 reading as follows:

7 Piping Systems

8 Sec. 74.213 (a) Compressed gas piping systems shall
9 conform to the provisions of Chapter 4 of N.F.P.A. #56F.

10 (b) Installation and testing of piping systems shall
11 conform to the provisions of Chapter 5 of N.F.P.A. Standard
12 #56F.

13 SECTION 25: Section 79.111 is hereby amended to read as
14 follows:

15 Cleaning with Flammable Liquid

16 Sec. 79.111. Class I liquids and Class II liquids with
17 a flashpoint below 100°F. shall not be used within a building for
18 washing parts or removing grease or dirt unless they are used in
19 a closed machine approved for the purpose or in a separate well-
20 ventilated room constructed in accordance with Section 79.804.

21 SECTION 26: Subsection (e) of Section 79.114 is hereby
22 amended to read as follows:

23 (e) Underground Tanks Out of Service One Year. Any
24 underground tank which has been abandoned for a period of one (1)
25 year shall be removed from the property in a manner approved by
26 the Chief.

27 SECTION 27: Subsection (c) of Section 79.601 is hereby
28 amended to read as follows:

29 (c) Anchorage. Where a tank may become buoyant due to
30 a rise in the level of the water table or due to location in an
31 area that may be subjected to flooding, suitable precautions
32 shall be observed to anchor the tank in place.

1 SECTION 28: Section 79.601 is hereby amended by adding
2 thereto a new subsection, designated as subsection (f), reading
3 as follows:

4 (f) Bottom Placement Slab. A concrete slab, reinforced
5 with a 6" x 6" #10 wire mesh or a mesh of sufficient size and
6 weight to equal or exceed the displacement of the tanks to be
7 used, shall be poured on the bottom of the excavation. The size
8 of the slab shall exceed in horizontal dimensions the size of the
9 tank or tanks by one foot (1') in all directions. Straps of
10 steel one-fourth inch by two inches ($\frac{1}{4}$ " x 2") shall be used to
11 anchor the tank or tanks to the concrete slab in the following
12 manner:

13 1. Straps shall be continuous and shall be placed under
14 the reinforcement in the slab and be of sufficient
15 length to completely encircle the tank with a minimum
16 one foot (1') welded overlap at the top of the tank.

17 2. Straps can be provided with a one foot (1') "T"
18 welded to one end, said "T" to be placed under the rein-
19 forcement in the concrete.

20 3. A minimum of two (2) such straps for each tank shall
21 be provided. When, in the opinion of the authority
22 having jurisdiction, more straps are necessary because
23 of the size of the tanks, more shall be provided.

24 4. The overlap of the straps shall be welded. Bolts or
25 other means of fastening shall not be used.

26 NOTE: Metal tanks may be placed while the
27 concrete is still soft so that full
28 bearing on the tank is obtained, or a
29 cushion of blow sand may be placed on the
30 hardened concrete to accomplish the same.
31 If a sand cushion is used it shall be a
32 minimum of six inches (6") to accomplish

1 SECTION 31: Section 79.605 is hereby amended by adding
2 thereto a new subsection, designated as subsection (e), reading
3 as follows:

4 (e) Fiberglass Tanks. Fiberglass tanks shall be
5 pressure-tested, according to the manufacturer's specifications,
6 when placed in a level position in the ground on approved
7 material. Backfilling of the excavation shall not proceed until
8 approval has been given by the Fire Prevention Division.

9 SECTION 32: Subsection (b) of Section 79.903 is hereby
10 amended by deleting the exception thereto.

11 SECTION 33: Division IX of Article 79 is hereby amended
12 by adding thereto a new section, designated as Section 79.913,
13 reading as follows:

14 Self-Service Stations

15 Sec. 79.913. (a) Hose nozzle valves used at self-
16 service stations shall be of the approved automatic closing type
17 without a latch-open-device. Existing latch-open devices shall
18 be removed.

19 (b) Private key-card dispensing operations need not
20 require an attendant on duty provided that the key-card holder
21 has been trained and certified in safe dispensing operations by
22 the licensed card-issuing agency.

23 SECTION 34: Division IX of Article 79 is hereby further
24 amended by adding thereto a new section, designated as Section
25 79.914, reading as follows:

26 Service Vehicles

27 Sec. 79.914, (a) Service vehicles shall comply with
28 paragraphs 1 to 7, inclusive, of this subsection (a):

- 29 1. An approved twenty-pound (20 lb.) dry powder
30 extinguisher shall be provided for each vehicle and
31 shall be mounted on the vehicle in a readily accessible
32 location.

1 2. Tanks on service vehicles used for transporting
2 Class I, II or III flammable/combustible liquids shall
3 be constructed of steel and shall not exceed one
4 thousand two hundred fifty gallons (1,250 gals.). When
5 such tanks exceed fifty gallons (50 gals.), they shall
6 be equipped with baffles.

7 3. All flammable liquid tanks shall conform to Article
8 79 of the Code.

9 4. When drums are used to house flammable liquids, they
10 shall be anchored to the service vehicle with iron
11 straps or chains of a suitable gauge. (Fiber rope shall
12 not be used).

13 5. All service vehicles transporting Class I, II or
14 III flammable/combustible liquids shall carry markings
15 to meet the requirements of Section 79.1004 of this
16 Code.

17 6. Oxygen tanks shall not be carried on the same ser-
18 vice vehicle transporting petroleum products.

19 7. L.P.G. tanks carried on service vehicles shall meet
20 the requirements of N.F.P.A. Pamphlet #58.

21 (b) Precautions against ignition shall meet the
22 requirements of Sections 79.1204 and 79.1205 of this Code.

23 SECTION 35: Division 12 of Article 79 is hereby amended
24 by adding thereto a new section, designated as Section 79.1208,
25 reading as follows:

26 Permit Required

27 Sec. 1208. Service vehicles shall comply with the pro-
28 visions of subsection 41A of Section 4.101.

29 SECTION 36: Section 80.103 is hereby amended by adding
30 thereto a new subsection, designated as subsection (j), reading
31 as follows:

32 (j) Storage shall be maintained in such a manner that

1 all stock is under control of a competent person at all times.

2 SECTION 37: Article 85 is hereby amended to add a new
3 section, designated as Section 85.110, reading as follows:

4 Shunt Disconnect Devices

5 Sec. 85.110. All approved shunt trip switches, if not
6 located within a fire command center, shall be located outside
7 the structure, in a location approved by the Chief painted yellow
8 and properly identified as the main disconnect for power to the
9 building. Where provisions of this code mandate a central
10 control station the shunt trip shall be located therein.

11 SECTION 38: Subsection 2.2 of Appendix 1-B is hereby
12 amended by adding thereto a new subsection, designated as subsec-
13 tion (n), reading as follows:

14 (n) Central Control Station. If a Central Control
15 Station for Fire Department operations is required by Section
16 1807 Uniform Building Code, it shall contain, in addition to the
17 items that are set forth therein, the following:

- 18 1. A blackboard or marker board of a minimum size of
19 three feet (3') by four feet (4') capable of easy era-
20 sure, with a marking device and an eraser attached.
- 21 2. Current building plans, fire emergency pre-plans,
22 system operational manuals and a work table of a minimum
23 size of three feet (3') by seven feet (7') capable of
24 holding such plans opened in a working position.
- 25 3. A key box containing any and all keys that may be
26 needed by firefighter to gain access to all parts of
27 building.
- 28 4. All annunciator panels shall have standardized
29 labels approved by the Fire Department.
- 30 5. No items of storage or equipment shall be placed in
31 the central control station unless approved by the
32 Chief.

FIRST AMENDMENT

BILL NO. 87-44

Ordinance No. _____

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6
7 AN ORDINANCE RELATING TO ADOPTION OF A FIRE CODE; AMENDING TITLE
8 16, CHAPTER 16, SECTION 10, OF THE MUNICIPAL CODE OF THE CITY OF
9 LAS VEGAS, NEVADA, 1983 EDITION, BY DELETING ALL REFERENCES TO
10 THE 1982 EDITIONS OF THE UNIFORM FIRE CODE AND THE UNIFORM FIRE
11 CODE STANDARDS ADOPTED BY REFERENCE THEREIN AND ADOPTING BY
12 REFERENCE, IN LIEU THEREOF, THE 1985 EDITIONS OF THE UNIFORM FIRE
13 CODE AND THE UNIFORM FIRE CODE STANDARDS AS PART I OF SAID
14 CHAPTER; REPEALING IN ITS ENTIRETY THE EXISTING SUPPLEMENTAL
15 DOCUMENT, AND AMENDMENTS THERETO, ADOPTED BY REFERENCE THEREIN
16 AND ADOPTING BY REFERENCE, IN LIEU THEREOF, A NEW SUPPLEMENTAL
17 DOCUMENT, ENTITLED: "A SUPPLEMENTAL DOCUMENT AMENDING THE UNIFORM
18 FIRE CODE, 1985 EDITION" AS PART II OF SAID CHAPTER, WHICH ADDS
19 VARIOUS PROVISIONS TO THE UNIFORM FIRE CODE, 1985 EDITION;
20 PROVIDING OTHER MATTERS PROPERLY RELATING THERETO; PROVIDING
21 PENALTIES FOR THE VIOLATION HEREOF; AND REPEALING ALL ORDINANCES
22 OR PARTS OF ORDINANCES IN CONFLICT HEREWITH;

16 Sponsored by: Summary: Adopts the 1985 Edition
17 Mayor Ron Lurie of the Uniform Fire Code, together
18 with a supplemental document pro-
19 viding amendments thereof, deletions
20 therefrom and additions thereto, as
21 the City's Fire Code.

19 THE CITY COUNCIL OF THE CITY OF LAS VEGAS DOES ORDAIN AS
20 FOLLOWS:

21 SECTION 1: Title 16, Chapter 16, Section 10, of the
22 Municipal Code of the City of Las Vegas, Nevada, 1983 Edition, is
23 hereby amended to read as follows:

24 16.16.010: Those certain documents, three copies of which are on
25 file in the office of the City Clerk[,] and are marked
26 and designated as follows, are adopted by reference as
27 the Fire Code of the City: [, and made a part of this
28 Chapter as if they were fully set forth herein:]

29 (A) As Part I of this Chapter, the Uniform Fire Code,
30 1985 Edition, and the Uniform Fire Code Standards,
31 [1982] 1985 Edition [, as prepared by the
32 International Conference of Building Officials, and

1 the Western Fire Chiefs Association, save and
2 except such provisions thereof as are herein
3 supplemented, amended, modified or deleted;] and
4 (B) As Part II of this Chapter, a supplemental docu-
5 ment, supplementing, amending, modifying, adding to
6 and deleting from the Uniform Fire Code, [1982]
7 1985 Edition.

8 SECTION 2: If any section, subsection, subdivision
9 paragraph, sentence, clause or phrase in this ordinance or any
10 part thereof, is for any reason held to be unconstitutional or
11 invalid or ineffective by any court of competent jurisdiction,
12 such decision shall not affect the validity or effectiveness of
13 the remaining portions of this ordinance or any part thereof.
14 The City Council of the City of Las Vegas, Nevada, hereby
15 declares that it would have passed each section, subsection, sub-
16 division, paragraph, sentence, clause or phrase thereof,
17 irrespective of the fact that any one or more sections, subsec-
18 tions, subdivisions, paragraphs, sentences, clauses or phrases be
19 declared unconstitutional, invalid or ineffective.

20 SECTION 3: Whenever in this ordinance any act is prohi-
21 bited or is made or declared to be unlawful or an offense or a
22 misdemeanor, or whenever in this ordinance the doing of any act
23 is required or the failure to do any act is made or declared to
24 be unlawful or an offense or a misdemeanor, the doing of any such
25 prohibited act or the failure to do any such required act shall
26 constitute a misdemeanor and upon conviction thereof, shall be
27 punished by a fine of not more than \$1,000.00 or by imprisonment
28 for a term of not more than six months, or by any combination of
29 such fine and imprisonment. Any day of any violation of this
30 ordinance shall constitute a separate offense.

31 SECTION 4: All ordinances or parts of ordinances, sec-
32 tions, subsections, phrases, sentences, clauses or paragraphs

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contained in the Municipal Code of the City of Las Vegas, Nevada,
1983 Edition, in conflict herewith are hereby repealed.

PASSED, ADOPTED and APPROVED this _____ day of
_____, 1987.

APPROVED:

By _____
RON LURIE, Mayor

ATTEST:

KATHLEEN M. TIGHE, City Clerk

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The above and foregoing ordinance was first proposed and read by title to the City Council on the _____ day of _____, 198__, and referred to the following committee composed of Councilmen _____ and _____ for recommendation; thereafter the said committee reported favorably on said ordinance on the _____ day of _____, 198__, which was a _____ meeting of said Council; that at said _____ meeting, the proposed ordinance was read by title to the City Council as amended and adopted by the following vote:

VOTING "AYE" Councilmen: _____
VOTING "NAY" Councilmen: _____
ABSENT: _____

APPROVED:

By _____
RON LURIE, MAYOR

ATTEST:

Kathleen M. Tighe, City Clerk

1 A SUPPLEMENTAL DOCUMENT AMENDING THE UNIFORM
2 FIRE CODE, 1985 EDITION

3 Certain parts, articles, divisions, sections and subsec-
4 tions of the 1985 Edition of the Uniform Fire Code are hereby
5 supplemented, modified, amended and deleted as is provided for in
6 this Supplemental Document. If a conflict exists between any
7 provision of this Supplemental Document and any provision of the
8 Uniform Fire Code, 1985 Edition, or the Uniform Building Code,
9 1985 Edition, the provisions of this Supplemental Document shall
10 prevail.

11 SECTION 1: Part I of the Uniform Fire Code, 1985
12 Edition, is hereby amended by adding thereto a new article,
13 designated as Article 5, reading as follows:

14 ARTICLE 5
15 FIRE MARSHAL REGULATIONS

16 Division I
17 IDENTIFICATION OF PREMISES

18 Directory Required

19 Sec. 5.101. Apartment complexes, condominiums, residen-
20 tial complexes for retired persons and mobile home parks that do
21 not follow the standard city street numbering patterns or guide-
22 lines shall display a permanent directory in a conspicuous loca-
23 tion, either at the main entrance or just outside the main office
24 thereof that contains the information that is required by subsec-
25 tions (a) to (g), inclusive, of this Section 5.101.

26 (a) The directory shall be of sufficient size that let-
27 ters, numbers, streets and similar means of identification are
28 easily read from the closest vehicular access.

29 (b) The directory shall have lighting so as to be
30 visible and readable at night.

31 (c) The directory shall give locations of different
32 buildings apartment or space number.

1 (d) The directory shall be so designed as to show
2 those buildings, apartments, or mobile home spaces in relation to
3 the streets, driveways, or walkways servicing each.

4 (e) The owners and/or operators of those complexes or
5 mobile home parks shall be required to supply thirty (30) printed
6 8-1/2 by 11 inch copies of the directory to the Fire Department.

7 (f) The owners and/or operators of these complexes or
8 mobile home parks shall be required to correct the directory and
9 supply corrected printed directories to the Fire Department
10 involved whenever additions, alterations or corrections are made
11 to the complexes or mobile home parks.

12 (g) The printed directories shall show the location of
13 hydrants on roadways, walkways, or parking lots which are located
14 within or immediately adjacent to the complexes or mobile home
15 parks.

16 Division II
17 FIRE DRILLS

18 Frequency and Manner of Conducting

19 Sec. 5.201. (a) Fire drills shall be held at least
20 once a month in Educational Occupancies where such occupancies
21 constitute the major occupancy of a building and a minimum of
22 once a month on each shift in institutional occupancies. During
23 severe weather fire drills shall be rescheduled. A record of
24 all fire drills shall be kept and the person in charge of such
25 occupancies shall file written reports at least quarterly with
26 the Fire Prevention Division giving the time and date of each
27 drill held. Such records shall be attested to by the signature
28 of the person or persons conducting said fire drills.

29 (b) In Educational Occupancies, fire drills shall
30 be conducted in accordance with NRS 392.450 and 394.170 and shall
31 include complete evacuation of all persons from the building. In
32 Institutional Occupancies, fire drills shall be conducted to fami-

1 liarize operating personnel with their assigned positions of
2 emergency duty. Complete evacuation of occupants from the
3 building in Institutional Occupancies at the time of the fire
4 drill shall be required only where it is practical and does not
5 involve moving non-ambulatory patients or disturbing persons
6 under medical care.

7 (c) In R type Occupancies fire drills shall be required
8 at the discretion of the Chief.

9 Division III
10 PORTABLE EXTINGUISHING EQUIPMENT FOR APARTMENTS

11 Type Required and Location

12 Sec. 5.301. (a) At least one (1) Class 2A10BC rated
13 fire extinguisher shall be installed on the exterior of each
14 building that is intended to be occupied by a tenant and main-
15 tained by apartment building owner/managers.

16 (b) Apartment buildings are "apartment houses" as
17 defined in the 1985 Uniform Fire Code, Section 9.103. In accor-
18 dance with the 1985 Uniform Fire Code Standard No. 10-1, portable
19 fire extinguishers shall be located as stipulated in Chapter 3 of
20 said Standard. Extinguishers shall be serviced in accordance
21 with the current Nevada State Fire Marshal Regulations.

22 (c) In lieu of requirements in the 1985 Uniform Fire
23 Code Standard No. 10-1, one-A (1A) rated portable fire
24 extinguishers, properly mounted, will be acceptable in each indi-
25 vidual apartment rental unit, providing the owner/manager main-
26 tains records of service dates of these extinguishers.

27 Division IV
28 HYDRANT INSTALLATIONS

29 Definitions

30 Sec. 5.401. (a) "Private," as the same relates to fire
31 hydrants, water mains, underground systems and their appurtenan-
32 ces, means those items that are not installed in the public

1 right-of-way.

2 (b) "Public," as the same relates to fire hydrants,
3 water mains, underground systems and their appurtenances, means
4 those items that are installed in the public right-of-way.

5 Installation

6 Sec. 5.402. (a) All public and private fire hydrants
7 shall be installed in accordance with Las Vegas Valley Water
8 District Standard Plate #7, dated October 5, 1984, or the latest
9 revision thereof, as the same has been approved by the Las Vegas
10 Fire Department. Fire hydrants in commercial areas shall be
11 spaced, depending on the size, spacing and construction of the
12 buildings, in such a manner as to place all construction and com-
13 bustible open-storage materials within five hundred feet
14 (500') of an approved fire hydrant. Fire hydrants in residential
15 planned unit developments (row housing) and planned unit con-
16 dominium apartment complexes shall be spaced not more than five
17 hundred feet (500') apart, depending on the size, spacing, and
18 construction of the buildings.

19 (b) Because of large open spaces in planned unit deve-
20 lopments, spacing may be erratic. Islands on major streets may
21 require adjustments to spacing. Fire hydrants in single family
22 detached dwelling areas shall be spaced not more than six hundred
23 feet (600') apart, depending on the size, spacing and construc-
24 tion of the buildings.

25 Submittals

26 Sec. 5.403. Two (2) sets of "water plans" that have
27 been prepared by the developer shall be submitted to the Fire
28 Prevention Division for approval prior to the installation of
29 fire hydrants and/or water mains. Of the two (2) sets of plans,
30 one set (the original) will be returned when it is signed and
31 approved. A space at least 3½" wide by 2" high shall be provided
32 on the bottom right hand corner of the plans for the Fire

1 Department approval stamp. A "vicinity map" and the Fire
2 Department General Notes must also be on the plans. The plans
3 are to show the location, size and type of new and existing water
4 mains, the location of existing and new hydrants, hydrant control
5 street valves, water main connections, control valves, stubs,
6 etc. In addition, the plans are to show curb lines and
7 sidewalks, streets, alleys and driveways, walls and fences, pro-
8 perty lines, vehicle parking layouts, buildings and anything else
9 pertinent to hydrant locations.

10 Public and Private Fire Hydrant Specifications

11 Sec. 5.404. All new public and private fire hydrants
12 shall be designed, manufactured and tested in compliance with the
13 1985 edition of American Water Works Association Standard C-502,
14 entitled "Standard for Dry-Barrel Fire Hydrants," or the latest
15 revision thereof, and shall comply with the Las Vegas Fire
16 Department's "Technical Specifications-Fire Hydrants" that is
17 available from the Fire Prevention Division.

18 Initial Inspections

19 Sec. 5.405. (a) With respect to private hydrant
20 installations, the installer is required to contact the Fire
21 Department forty-eight (48) hours in advance for two inspections
22 during installation. The initial inspection consists of
23 inspecting the gravel bed, concrete thrust block, hydrant weep
24 holes, hydrant control street valve location, hydrant location,
25 obstruction to the hydrant, and the hydrant itself.

26 (b) With respect to public hydrant installations, all
27 initial inspections shall be performed by the Las Vegas Valley
28 Water District.

29 Final Inspections

30 Sec. 5.406. (a) The final inspection consists of
31 flushing the hydrant; determining the static, residual and flow
32 pressure of the hydrant; and checking the location, clearances,

1 condition and protection, if required, of the hydrant, the
2 painting of the hydrant (yellow), curb (red), striping of asphalt
3 (yellow, if required) and anything else pertinent to hydrant
4 location and installation. A two inch (2") to six inch (6")
5 clearance shall be required between the concrete pad and the bot-
6 tom flange of hydrant.

7 (b) With respect to public hydrant installations, all
8 final inspections shall be performed by the Las Vegas Valley
9 Water District.

10 System Testing

11 Sec. 5.407. (a) All private water mains for fire pro-
12 tection systems and fire hydrants shall be tested in accordance
13 with National Fire Protection Association Standard 24, entitled
14 "Standard for the Installation of Private Fire Services Mains and
15 Their Appurtenances."

16 (b) Tests shall be made by the installer in the pre-
17 sence of a representative of the Fire Department and the owner
18 of the property or his agent.

19 Private Underground Systems

20 Sec. 5.408. (a) All components of underground fire
21 line systems shall be either Underwriters Laboratory or Factory
22 Mutual approved.

23 (b) Before asking for final approval of an installation
24 by the authority having jurisdiction, the installing company
25 shall furnish a written statement, counter signed by the property
26 owner or representative, to the effect that the work has been
27 completed in accordance with approved specifications and plans.
28 The Contractor's Materials and Test Certificate, shown in
29 National Fire Protection Association Standard 13, Standard for
30 the Installation of Sprinkler Systems, is to be used to the
31 extent it applies.

32 (c) The trench shall be backfilled between joints

1 before testing to prevent movement of pipe.

2 Pre-Construction Water Supply

3 Sec. 5.409. On any commercial or subdivision building
4 construction, accessible fire hydrants shall be installed to
5 comply with the required standards before the actual combustible
6 construction commences, and said fire hydrants shall be in good
7 working order.

8 Identification

9 Sec. 5.410. Painting of curbs and asphalt parking areas
10 shall be completed by the installer prior to the final inspection
11 and shall be as follows:

12 (a) A suitable coat of red paint (Zone-Lac Glass Curb
13 Enamel #716A9 Red or equivalent) shall be applied to curbs in
14 front of hydrants as follows:

15 Parallel Parking: 30' (15' on each side of the
16 hydrant).

17 Head on Parking: 40' (25' on the acute angle side
18 and 15' on the obtuse angle side of the hydrant).

19 (b) A suitable coat of "street marking" yellow paint
20 shall be applied to the asphalt in the striping effect, according
21 to City Traffic Engineering specifications.

22 (c) Painting of the curbs and/or striping of asphalt
23 for protection from physical injury per Fire Department "Hydrant
24 Installation Specifications" shall be completed before approval
25 of the hydrants by the Fire Department can be obtained.

26 Location

27 Sec. 5.411. Fire hydrants shall not be located within
28 6' of a driveway, power pole, light standard, or other obstruc-
29 tion. For wall, fence, and planter locations relative to
30 hydrants, see subsections (a) through (d), inclusive, of this
31 Section 5.411.

32 (a) For an obstruction that is no higher than the bot-

1 tom of the lowest outlet with cap on, a twenty-four inch (24")
2 clearance from the center of the hydrant to each side is
3 required. The front shall not be obstructed.

4 (b) From an obstruction that is no higher than the
5 hydrant, but is above the bottom of the lowest outlet with the
6 cap on, a twenty-four (24") clearance is required on each side.
7 The front shall not be obstructed.

8 (c) For an obstruction higher than the hydrant, a
9 thirty-six inch (36") clearance is required from the center of
10 the hydrant to each side, or as may otherwise be approved by the
11 Chief. The front shall not be obstructed.

12 (d) Bushes, plants, trees, etc., shall not obstruct
13 maintenance or operation of the hydrant.

14 Existing Hydrants

15 Sec. 5.412. When property with existing fire hydrant
16 protection is developed, the existing fire hydrants shall be
17 brought up to meet or exceed the requirements of the Fire
18 Department's Hydrant Specifications and Hydrant Installation
19 Specifications when required by the Chief.

20 Valves

21 Sec. 5.413. Hydrant control valves are to be located as
22 close as practicable to the main. Sectional water main control
23 valves are to be located per Fire Department requirements. A
24 sectional control valve must be installed after every two
25 hydrants on a water system so that no more than two hydrants will
26 be out of service due to a break in a water main. Single
27 hydrants are not required to be isolated on a water main as all
28 hydrants have shut-off valves on their laterals.

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1 stories but less than 55 feet in height, shall be provided with
2 Class III, Type A, B, C, or D fire alarm system.

3 (d) Group I, Division 1 and 2 Occupancies and mental
4 hospitals shall be provided with an approved automatic smoke-
5 detection and manually activated Class III alarm system or Type
6 A, B, C or D.

7 (e) Group R, Division 1, and Group B, Division 2,
8 Occupancies of three (3) or more stories shall be provided with
9 at least three (3) separate zones for each floor, including one
10 (1) zone for pull stations, one (1) zone for smoke detectors and
11 one (1) zone for each water flow device.

12 Supervision

13 Sec. 5.603. All fire alarm systems shall be supervised.
14 Supervision shall be by an Underwriters Laboratory approved
15 central signal service, a remote station service or a local alarm
16 which will give an audible signal at a constantly attended loca-
17 tion.

18 Inspection Contracts for Fire Alarm Systems

19 Sec. 5.604. The owner or occupant of any commercial
20 facility that has a fire alarm system shall obtain a maintenance
21 and inspection contract for such system. The test agreement bet-
22 ween the building owner and service company shall cover all alarm
23 equipment, i.e., control panel, annunciator panel and peripheral
24 devices, including such wiring as may be necessary for the system
25 to function properly. The service representative shall make as
26 many visits as necessary to insure that all equipment is func-
27 tioning as designed.

28 Minimum Service Requirements

29 Sec. 5.605. (a) All fire alarm systems shall be tested
30 and inspected quarterly by a service company or alarm contractor
31 that is licensed by the State Fire Marshal and certified by the
32 manufacturer of the equipment being installed. The alarm

1 contractor shall also have a license to do business within the
2 City.

3 EXCEPTION: The following occupancies shall be tested
4 and inspected semiannually: Group I,
5 Division 1, 2, and 3, Occupancies. Group
6 R, Division 1, Occupancies, of three (3)
7 or more stories.

8 (b) For all tests, the service company shall:

9 1. Physically ascertain that all audible signaling
10 appliances are functioning properly during the
11 annual contract period.

12 2. Inspect and operate all outlying initiating and
13 indicating devices during the annual contract
14 period.

15 3. Test and adjust all control equipment.

16 4. Check alarm systems on the standby power source
17 during the annual contract period.

18 5. Check the system to ascertain whether it will
19 function properly under abnormal line conditions,
20 such as open line and grounded line tests.

21 (c) The service company shall make itself available for
22 emergency call twenty-four (24) hours a day, seven (7) days a
23 week. Said service company shall submit evidence of the capabi-
24 lity to provide for repair and restoration of fire alarm system
25 within 24 hours of notification of a fault in the system.

26 (d) All inspection reports shall be forwarded to the
27 Fire Prevention Division within thirty (30) days after the
28 inspection, unless major deficiencies exist, in which case
29 reports shall be forwarded immediately.

30 (e) Prior to and after service or testing of any equip-
31 ment, the Fire Department alarm office shall be notified of the
32 location of the test and the approximate time the equipment will

1 be inoperable.

2 (f) A Fire Department representative will accompany the
3 service company on one of its visits during the contract period.
4 The Fire Department shall be notified twenty-four (24) hours
5 prior to testing by the service company.

6 (g) In the event the contract is cancelled or not
7 renewed, the Fire Department shall be notified by the service
8 company within twenty-four (24) hours.

9 Division VII
10 SPRINKLER SYSTEMS

11 General Requirements

12 Section 5.701. The owner or occupant of any facility
13 that requires a sprinkler system shall obtain a maintenance and
14 inspection contract for such system. The sprinkler system main-
15 tenance and inspection contract shall include the testing by a
16 licensed sprinkler contractor of all water flow actuated devices,
17 gate valve supervising switches, tank water level devices and
18 other sprinkler system supervisory devices quarterly. Fire pump,
19 whether new or existing, shall be tested by a qualified service
20 company at least once a year. All tests shall be completed in
21 accordance with applicable standards.

22 Supervision

23 Sec. 5.702. All automatic sprinkler systems, including
24 those existing systems, shall be supervised as determined by the
25 Chief. Supervision shall be by an approved central, proprietary
26 or remote station service or local alarm which will give an
27 audible signal at a constantly attended location.

28 EXCEPTION: The provisions of Sections 5.701 and
29 5.702 do not apply to single family
30 detached dwellings or to multi-family
31 dwellings of less than three (3) stories.

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1 Protection Association Pamphlet #17, #96, manufacturer's specifi-
2 cations and this ordinance. The Nevada State Fire Marshal's
3 Certificate or Registration assigned number and signature of
4 installer shall also be affixed to the "as-built" diagram. If
5 the installation or modification does not meet the above specifi-
6 cations, a "stop-order" shall be immediately issued to discon-
7 tinue future use of the affected cooking appliances until the
8 installation or modification meets all required specifications.

9 Portable Extinguishers

10 Sec. 5.902. In addition to the fixed system, a dry chem-
11 ical portable extinguisher which has a rating of not less than
12 20-B shall be installed near the food processing equipment. For
13 additional portable extinguishers, see U.F.C. Standard No. 10-1.

14 Division X
15 BONFIRES AND OUTDOOR RUBBISH FIRES

16 Permit from Air Pollution Control Board Required

17 Sec. 5.1001. In order for a person to receive a permit
18 under this section, he must first have obtained a permit from the
19 Air Pollution Control Board.

20 Division XI
21 FLAMMABLE DECORATIVE MATERIALS

22 Display Prohibited in Commercial and Industrial Occupancies;

23 Exceptions

24 Sec. 5.1101. (a) Cotton batting, either natural, arti-
25 ficial or manufactured, straw, dry vines, leaves, trees or other
26 highly flammable materials shall not be used for decorative pur-
27 poses in show windows or other parts of commercial, industrial or
28 institutional occupancies unless made flame retardant; provided,
29 however, that nothing in this section shall be held to prohibit
30 the display of salable goods permitted and offered for sale.

31 (b) Electric light bulbs in such occupancies shall not
32 be decorated with paper or other combustible materials unless

1 such materials shall first have been rendered flame retardant.

2 Certificate of Flame-retardant Required

3 Sec. 5.1102. The Fire Department shall be provided a
4 certificate of flame-retardant application, with a fabric sample
5 attached, for all decorative materials.

6 Floor Coverings

7 Sec. 5.1103. (a) For hotels and motels, all floor
8 coverings, including without limitation pads, in guest rooms
9 shall be Class III, as determined in accordance with the radiant
10 panel flux test. Floor coverings, including without limitation
11 padding and adhesion method, shall be tested and approved as
12 installed. The test and approval shall be in accordance with
13 NFPA #253.

14 (b) A minimum of two (2) samples of the floor covering,
15 padding and the test results, as performed by a certified testing
16 laboratory, must be submitted to the Fire Marshal's Office prior
17 to installation. The samples must be clearly identified as to
18 type and must be identical to those tested.

19 Division XII
20 ROOFING KETTLES

21 General Provisions

22 Sec. 5.1201. (a) Roofing kettles shall not be placed
23 within fifteen (15) feet of any opening in any occupied building
24 except on a public street.

25 (b) Roofing kettles shall not be placed in such a loca-
26 tion as to block exits, means of egress, gates, roadways or
27 entrances.

28 (c) In institutions, schools and assembly occupancies,
29 when such buildings are occupied, the roofing kettles shall be
30 enclosed by a substantial barrier. The barrier shall be at least
31 twenty-five (25) feet away from the kettle. The barrier shall
32 clearly indicate that the enclosed area is restricted to use by

1 authorized persons only.

2 (d) Suitable supports shall be provided for all piping
3 at intervals not more than twelve (12) feet.

4 (e) Roofing kettles and all integral working parts,
5 valves, safety relief devices, burners, pressure tanks and slop-
6 troughs shall be in good working condition and shall be main-
7 tained free of excessive residue.

8 (f) No person shall maintain an open flame in a roofing
9 kettle while it is being transported or when it is in any public
10 garage or premises where flammable liquids are dispensed. The
11 tar pitch shall not exceed 300° F. while kettle is being
12 transported.

13 (g) The tar kettle shall be equipped with a thermometer
14 to register the temperature of the material within the kettle at
15 all times. Tar and tar pitch asphalt shall not be heated to
16 exceed its flash point.

17 (h) Ground kettles shall not be fired or used while
18 mounted on the bed of trucks unless the truck body is of all-
19 metal construction and the kettle is securely attached to the
20 body of the truck. Pitch kettles shall not be permitted for use
21 while mounted on the bed of the truck.

22 (i) The following minimum equipment must be on hand
23 before burners are ignited:

- 24 1. At least one (1) approved fire extinguisher
25 having 20-B, C Classification.
26 2. At least two (2) sacks of dry sand, 50 lbs.
27 each.

28 (j) There shall be at least one (1) approved fire
29 extinguisher of 20-B, C classification or larger:

- 30 1. Readily accessible and within thirty (30) feet
31 horizontal travel of every roofing kettle during
32 the period said roofing kettle is in use.

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2. On the roof or area where heated asphalt, tar or pitch is being applied.

(k) All kettle doors and draw off cock handles must be closed, latched and secured while kettle is in transit.

(l) All trailers used for transporting kettles or trailer units must be equipped with an adequate safety chain and draw pin when in transit. Both must be attached firmly to the towing vehicle and tied safely by a larger diameter bolt with a counterlocked double nut or by a heavy gauge wire safety pin or other device to prevent the kettle or trailer from becoming detached from the towing vehicle while in transit.

Permit Required

Sec. 5.1202. (a) A permit shall be required for each roofing tanker vehicle or roofing kettle operated by any company, corporation, co-partner or owner/operator.

(b) Before such permit is issued, it is the responsibility of the owner to have the roofing tanker vehicle or roofing kettle inspected by the Fire Prevention Division.

(c) The Fire Prevention Division shall affix a numbered, metallic tag or medallion to each unit denoting a permit has been issued and is on file.

(d) All liquified petroleum containers over five (5) gallon water capacity shall be adequately secured to the towing vehicle by bolts, chains, metal straps or by an approved method to prevent them from being ejected in the event of a traffic accident.

(e) The support leg shall be constructed of at least one and one fourth inch (1- $\frac{1}{4}$ ") standard steel pipe and shall have a steel foot or pad of at least four inches by four inches by one-fourth inch (4" x 4" x $\frac{1}{4}$ "). The pin or adjustment rod shall be at least one-fourth inch ($\frac{1}{4}$ ") steel. The support leg shall be

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1 constructed in a workmanlike manner and shall be adequate to sup-
2 port the kettle while standing.

3 Division XIII
4 EXCAVATION PERMITS

5 Application for Permit

6 Sec. 5.1301. (a) If any proposed excavation activity
7 will involve the use of explosives, a "ballbreaker" or a
8 "ram-hoe," or any combination thereof, the contractor shall apply
9 to the Department of Community Planning and Development, on a
10 form to be supplied by that Department, for and be granted an
11 excavation permit so to do before any excavation activity may
12 commence.

13 (b) The application must indicate:

- 14 1. The contractor's name, business address and
15 business and home telephone numbers;
- 16 2. The location at which the excavation activity
17 is proposed to take place;
- 18 3. The method of excavation;
- 19 4. A schedule of the days of the week on which,
20 and the hours of the day during which, the excavation
21 activity is proposed to take place; and
- 22 5. The name and address of the contractor's
23 insurance carrier and the name, address and telephone
24 number of the carrier's local insurance adjuster.

25 (c) The application shall be accompanied by evidence of
26 combined single limit liability insurance, or coverage that
27 affords comparable protection, in the minimum amount of One
28 Hundred Thousand and No/100ths Dollars (\$100,000.00), the policy
29 in respect of which must name the City as an additional insured
30 thereunder and must require the carrier to provide the City with
31 a written notice of any cancellation thereof or any reduction in
32 the coverages that are provided thereby at least thirty (30) days

1 before any such cancellation or reduction may become effective.

2 Review and Approval of Application

3 Sec. 5.1302. The Department of Community Planning and
4 Development shall forthwith refer the application to the
5 Excavation Committee, which shall review and, except as is other-
6 wise provided in subsection (c) of Section 5.1303, either approve
7 or disapprove the same within two (2) working days after its
8 receipt thereof and forward any approved application to the
9 appropriate City department, as determined in accordance with
10 Section 5.1304.

11 Blasting and "Ballbreaking"

12 Sec. 5.1303. If the application proposes the use of
13 explosives or a "ballbreaker," or both:

14 (a) The Excavation Committee shall:

15 1. Determine whether or not a preexcavation eval-
16 uation by a licensed engineer who specializes in soil
17 dynamics should be performed and, if so, may require
18 that such engineer, at the expense of the contractor,
19 monitor the excavation activities while they are in
20 progress;

21 2. Determine what information should be required
22 from the contractor with respect to the measures that it
23 intends to initiate for the control of flying rock
24 fragments and other excavated material and the protec-
25 tion of the environment and, in this connection, may
26 require such additional fragment controls and environ-
27 mental protection as it, in its sole and absolute
28 discretion, deems are appropriate; and

29 3. Have the authority to limit the days of the
30 week on which, and the hours of the day during which,
31 the blasting or "ballbreaking" may take place, the
32 number of charges of explosives that may be discharged

1 at any one time or the size of each charge, or any com-
2 bination thereof.

3 (b) In addition to its duties that are set forth in
4 subsection (b) of this Section 5.1303, the Excavation Committee
5 may require the contractor to:

6 1. Provide, at its sole cost and expense, preex-
7 cavation and postexcavation monitoring of selected pro-
8 perties;

9 2. Provide such additional liability insurance as
10 it, in its sole and absolute discretion, deems is
11 appropriate and, if such additional insurance is
12 required, the same shall be subject to the provisions of
13 subsection (c) of Section 1301 above; and

14 3. Notify the owners of all of the properties
15 that are situate within such radius of the property on
16 which the excavation activity is proposed to take place
17 as the Excavation Committee, in its sole and absolute
18 discretion, determines, and, if such notification is
19 required:

20 (i) It shall be given in the form of a
21 letter, the contents of which shall be supplied by
22 the City, on the letterhead of the contractor;

23 (ii) The contractor shall make every effort to
24 effect such notification by the delivery, by hand,
25 of a copy of such letter to the occupants of each
26 of the developed properties within the prescribed
27 area; and

28 (iii) The contractor shall provide evidence
29 to the Excavation Committee in writing that cer-
30 tifies that the notification has been provided in
31 accordance with this subsection (b).

32 (c) Upon the contractor's satisfaction of all of the

1 requirements that are imposed upon it pursuant to subsections (a)
2 and (b) of this Section 5.1303, the Excavation Committee shall
3 forthwith approve the application and forward the same to the
4 Fire Department for its review, which, in turn, will indicate its
5 review thereon and forward it to the appropriate City department,
6 as determined in accordance with Section 5.1304.

7 Sec. 5.1304. After the application has been approved
8 by the Excavation Committee and, if such review is required by
9 Section 5.1303, reviewed by the Fire Department, the application
10 shall be forwarded to:

11 (a) The Department of Building and Safety, if the exca-
12 vation activity is proposed to take place on private property,
13 or

14 (b) The Division of Land Development of the Department
15 of Public Works, if the excavation activity is proposed to take
16 place on the public right-of-way,
17 which shall issue the excavation permit.

18 Sec. 5.1305. The issuance of an excavation permit shall
19 not preclude the Excavation Committee from subsequently imposing
20 additional requirements on the contractor or supplementing any
21 existing requirement whenever, in the opinion of the Excavation
22 Committee, later information or newly discovered conditions
23 justify such additional or supplemental requirements.

24 Sec. 5.1306. No excavation permit may be issued for a
25 period that extends beyond the expiration date of the contrac-
26 tor's liability insurance, and any cancellation of the policy in
27 respect thereof, or any reduction in the coverages that are pro-
28 vided thereby below the amount that is specified in subsection
29 (c) of Section 5.1301, shall result in the automatic revocation
30 of any excavation permit that is issued hereunder unless the
31 policy is replaced, or the coverages that are provided thereby
32 are restored to the required amount, as the case may be, before

1 in fire protection procedures that will be conducted by the Fire
2 Department.

3 (b) Such training shall instruct the attendees thereof
4 in the following areas:

- 5 1. Recognition of explosives;
- 6 2. Bomb threat procedures;
- 7 3. Damage control blast mitigation;
- 8 4. Excavation procedures;
- 9 5. Cardio/pulmonary resuscitation;
- 10 6. Practical first aid;
- 11 7. Function of sprinkler systems; and
- 12 8. Function of alarm systems and the fire comand
13 control center.

14 (c) The employees who receive such training may attend
15 annual refresher courses and will be drilled in the foregoing
16 procedures at the discretion of the Chief.

17 SECTION 2: Article 1 is hereby amended by adding
18 thereto a new section, designated as Section 1.104, reading as
19 follows:

20 Companion Codes Adopted

21 Sec. 1.104. (a) There is hereby specifically adopted,
22 as a part of this code, the following companion standards and
23 publications:

- 24 1. NFPA National Fire Codes (1987 Edition)
- 25 2. Factory Mutual Systems (1987 Edition)
- 26 3. Underwriters Laboratories Standards (1987 Edition)
- 27 4. Nevada State Fire Marshal Regulations (1986
28 Edition)

29 (b) Whenever a provision of any of the standards and
30 publications that are adopted by subsection (a) of this Section
31 1.104 apply to the subject matter of a provision of any other of
32 said standards and publications or a provision of the Uniform

1 Fire Code, including any supplemental document adopted by the
2 City, or the Uniform Building Code, including any supplemental
3 document adopted by the City, the more stringent of the two pro-
4 visions shall prevail, except as may otherwise be determined by
5 the Chief.

6 (c) Except as is otherwise provided in subsection (b)
7 of this Section 1.104, if a conflict exists between any provision
8 of the Uniform Fire Code, including any supplemental document
9 adopted by the City, or the Uniform Building Code, including any
10 supplemental document adopted by the City, and any provision of
11 any of the standards and publications that are adopted by subsec-
12 tion (a) of this Section 1.104, the provision of the Uniform Fire
13 Code or the provision of the Uniform Building Code, as the case
14 may be, shall prevail. If a conflict exists between any provision
15 of any of the standards and publications that are adopted by sub-
16 section (a) of this Section 1.104 and any provision of any other
17 of said standards and publications, the provision of the stan-
18 dards or publication that bears the lower paragraph number in
19 said subsection (a) shall prevail.

20 SECTION 3: Article 1 is hereby further amended by
21 adding thereto a new section, designated as Section 1.105,
22 reading as follows:

23 Appendices Adopted

24 Sec. 1.105. There is hereby specifically adopted, as a
25 part of this code, the following appendices to the Uniform
26 Fire Code, 1985 Edition: Division I, Appendix I-A, Appendix
27 I-B, as amended by Section 40 of this Supplemental Document, and
28 Appendix I-C; Division II, Appendix II-D; Division III, Appendix
29 III-A and Appendix III-C; Division IV, Appendix IV-A; Division
30 VI, Appendix VI-C.

31 SECTION 4: Section 2.203 is hereby amended by adding
32 thereto a new subsection, designated as subsection (c), reading

1 as follows:

2 (c) The charge for the reproduction of such a report
3 will be three dollars (\$3.00) for the first three (3) pages, or
4 portion thereof, and fifty cents (\$.50) for each additional
5 page.

6 SECTION 5: Section 2.302 is hereby deleted.

7 SECTION 6: Subsection 10 of Section 4.101 is hereby
8 amended to read as follows:

9 10. Compressed gases, flammable. (A) A permit shall
10 be required for the installation, storage, use and/or handling of
11 flammable compressed gases for commercial purposes.

12 (B) A permit shall be required for the installation,
13 storage, use and/or handling of all non-flammable compressed
14 gases, inclusive of medical gas systems.

15 (C) For permits for cryogens and hazardous materials,
16 see Article 74.

17 SECTION 7: Subsection 15 of Section 4.101 is hereby
18 amended to read as follows:

19 15. Explosives or blasting agents. For permits for
20 explosive or blasting agents, see Division XIII of Article 5.

21 SECTION 8: Section 4.101 is hereby amended by adding
22 thereto a new subsection, designated as subsection 15A, reading
23 as follows:

24 15A. Fire protection, Life Safety Systems and
25 Appliances. For permits for the installation and maintenance of
26 all Fire Protection, Life Safety Systems and Appliances, see
27 Division III of Article 10.

28 SECTION 9: Section 4.101 is hereby further amended by
29 adding thereto a new subsection, designated as subsection 41A,
30 reading as follows:

31 41A. Service vehicles. To operate a service vehicle.
32 Such permits shall be issued upon inspection of the service

1 vehicle by the Department. Proof of permit will be stamped with
2 the initials L.V.F.D. and the assigned tag number on one side.
3 The proof of permit tag shall be attached to the service vehicle
4 by means of a wire seal and shall be on the vehicle at all times.
5 The proof of permit tag shall be affixed to the outside rear view
6 mirror on the driver's side of the vehicle.

7 SECTION 10: Section 9.121 is hereby amended by adding,
8 between the definitions of "Service Station, Marine" and "Small
9 Arms Ammunition," a definition of "Service Vehicle," reading as
10 follows:

11 SERVICE VEHICLE is a vehicle used for the purpose of
12 carrying fuel, oil or grease to equipment used in construction,
13 which ordinarily would not be serviced in service stations.

14 SECTION 11: Subsection (k) of Section 10.207 is hereby
15 amended to read as follows:

16 (k) Obstruction. The required width of any fire
17 apparatus access road shall not be obstructed in any manner,
18 including parking of vehicles. Minimum required widths and
19 clearances as established by the Chief shall be maintained at all
20 times.

21 SECTION 12: Section 10.207 is hereby amended by adding
22 thereto a new subsection, designated as subsection (m), reading
23 as follows:

- 24 (m) Fire Lanes. 1. Fire lanes within the jurisdic-
25 tional authority shall be regulated by the Chief.
26 2. It shall be the responsibility of the owner of any
27 property with respect to which the Chief has
28 designated one or more fire lanes to indicate the
29 same with signs and red curb painting and to main-
30 tain it or them clear of all obstructions and
31 freely accessible for all fire equipment and
32 apparatus..

1 3. When a sign is erected in any fire zone or when
2 the same is indicated by red curb painting, giving
3 notice thereof, it shall be unlawful for any person
4 to park a motor vehicle in, or otherwise obstruct,
5 such fire lane.

6 SECTION 13: Section 10.208 is hereby amended by adding
7 at the end thereof, a new paragraph, reading as follows:

8 Premise identification shall conform to Section 5.101.

9 SECTION 14: Section 10.209 is hereby amended to read as
10 follows:

11 Key Box

12 Sec. 10.209. Key Box Required. All commercial occupan-
13 cies, as required by the Chief, shall be provided with a key box.
14 The key box shall be of an approved type and shall contain keys
15 to gain necessary access as required by the Chief.

16 EXCEPTION: In Groups R, Division 3, and all M
17 Occupancies the key box shall be
18 omitted. Key boxes shall not be required
19 for condominiums and occupancies that are
20 normally not locked.

21 (b) Location on Building. The key box shall be located
22 as follows:

- 23 1. On the exterior of the building within six feet
24 (6') of the recognized public entrance (the normal
25 point of access by Fire Department).
26 2. No less than five feet (5') nor more than seven
27 feet (7') above grade below the box.

28 (c) Box Contents. The key box shall be a type approved
29 by the Chief and shall contain keys (and/or metal card key with
30 metal imprint) to gain necessary access as required by the
31 Chief.

32 (d) Color. The color of the key box shall be in high

1 contrast with its background as required by the Chief.

2 (e) Location on Property. The owner or his agent shall
3 submit to the Fire Department a detailed diagram of the property
4 indicating the location of the key box.

5 SECTION 15: Article 10 is hereby amended by adding
6 thereto a new section, designated as Section 10.210, reading as
7 follows:

8 Fire Prevention Programs

9 Sec. 10.210. Fire prevention programs, including
10 without limitation building evacuation drills, staff training and
11 appliance maintenance, shall be performed as prescribed in
12 Division XIV of Article 5.

13 SECTION 16: Subsection (a) of Section 10.301 is hereby
14 amended to read as follows:

15 (a) Type Required. The chief shall designate the type
16 and number of fire appliances to be installed and maintained in
17 and upon all buildings and premises in the jurisdiction other
18 than private dwellings. This shall be done according to the
19 relative severity of probable fire, including the rapidity with
20 which it may spread. Such appliances shall be of a type suitable
21 for the probable class of fire associated with such building or
22 premises, as determined by the Chief.

23 Portable fire extinguishers shall be in accordance with
24 U.F.C. Standard No. 10-1.

25 SECTION 17: Subsection (b) of Section 10.301 is hereby
26 amended to read as follows:

27 (b) Special Hazards. In occupancies of an especially
28 hazardous nature or where special hazards exist in addition to
29 the normal hazard of the occupancy, or where access for fire
30 apparatus is unduly difficult, additional safeguards may be
31 required consisting of additional fire appliance units, more than
32 one (1) type of fire appliance or special systems suitable for

1 the protection of the hazard involved. Such devices or applian-
2 ces shall consist of, but not be limited to automatic fire alarm
3 systems, automatic sprinkler or water spray systems, standpipe
4 and hose, fixed or portable fire extinguishers, suitable asbestos
5 blankets, breathing apparatus, manual or automatic covers, carbon
6 dioxide, foam, halogenated and dry chemical or other special fire-
7 extinguishing systems. Fire Protection/Life Safety features
8 required by the Fire Marshal in special hazard occupancies shall
9 be installed and maintained in accordance with the applicable
10 Standards of the Uniform Fire Code, National Fire Protection
11 Association and/or Factory Mutual.

12 SECTION 18: Subsection (e) of Section 10.301 is hereby
13 amended to read as follows:

14 (e) Approval and Testing. All fire alarm systems, pri-
15 vate fire hydrant systems, fire-extinguishing systems (including
16 automatic sprinklers), wet and dry standpipes, basement inlet
17 pipes, and other fire-protection systems and pertinents thereto
18 shall meet the approval of the fire department as to installation
19 and location and shall be subject to such periodic tests as
20 required by the Chief. Plans and specifications shall be sub-
21 mitted to the Fire Department for review and approval prior to
22 construction, in accordance with Division VI of Article 5.

23 SECTION 19: Subsection (a) of Section 10.302 is hereby
24 amended to read as follows:

25 (a) General. All sprinkler systems, private fire
26 hydrant systems, standpipe systems, fire alarm systems, portable
27 fire extinguishers, smoke and heat detectors, smoke removal
28 systems and other fire-protective or extinguishing systems or
29 appliances shall be maintained in an operative condition at all
30 times and shall be replaced or repaired where defective. Fire-
31 protective or extinguishing systems coverage, spacing and speci-
32 fications shall be maintained in accordance with recognized

1 standards at all times. Such systems shall be extended, altered
2 or augmented as necessary to maintain and continue protection
3 whenever any building so equipped is altered, remodeled or added
4 to. All additions, repairs, alterations and servicing shall be
5 in accordance with recognized standards.

6 SECTION 20: Section 30.105 is hereby amended by adding
7 thereto a new subsection, designated as subsection (c), reading
8 as follows:

9 (c) The construction shall conform to the provisions of
10 Section 910 of the Uniform Building Code, Chapter 11 of the
11 Uniform Mechanical Code and Articles 500 to 503, inclusive of the
12 National Electrical Code.

13 SECTION 21: Division III of Article 24 is hereby
14 amended by adding thereto a new section, designated as Section
15 24.306, reading as follows:

16 Fire Alarms

17 Sec. 24.306. Communication facilities shall be pro-
18 vided from the roof area to allow notification of the Fire
19 Department or, alternatively, a pull station shall be installed
20 and connected to the fire alarm system installed within the
21 building.

22 SECTION 22: Subsection (c) of Section 45.307 is hereby
23 amended to read as follows:

24 (c) Dip tanks containing a liquid with a flash point
25 below 100°F. (when used in such manner that the liquid temperature
26 may equal or be greater than its flash point from artificial or
27 natural causes) shall conform to Section 45.307(b) when having
28 both a capacity of more than 10 gallons and a liquid surface area
29 of more than 4 square feet.

30 SECTION 23: Section 74.211 is hereby amended to read as
31 follows:
32

1 Warning Systems

2 Sec. 74.211. Warning systems shall be installed, main-
3 tained and tested in accordance with Chapter 3 of N.F.P.A. #56F.

4 SECTION 24: Division II of Article 74 is hereby amended
5 by adding thereto a new section, designated as Sections 74.213,
6 reading as follows:

7 Piping Systems

8 Sec. 74.213 (a) Compressed gas piping systems shall
9 conform to the provisions of Chapter 4 of N.F.P.A. #56F.

10 (b) Installation and testing of piping systems shall
11 conform to the provisions of Chapter 5 of N.F.P.A. Standard
12 #56F.

13 SECTION 25: Section 79.111 is hereby amended to read as
14 follows:

15 Cleaning with Flammable Liquid

16 Sec. 79.111. Class I liquids and Class II liquids with
17 a flashpoint below 100°F. shall not be used within a building for
18 washing parts or removing grease or dirt unless they are used in
19 a closed machine approved for the purpose or in a separate well-
20 ventilated room constructed in accordance with Section 79.804.

21 SECTION 26: Subsection (e) of Section 79.114 is hereby
22 amended to read as follows:

23 (e) Underground Tanks Out of Service One Year. Any
24 underground tank which has been abandoned for a period of one (1)
25 year shall be removed from the property in a manner approved by
26 the Chief.

27 SECTION 27: Subsection (c) of Section 79.601 is hereby
28 amended to read as follows:

29 (c) Anchorage. Where a tank may become buoyant due to
30 a rise in the level of the water table or due to location in an
31 area that may be subjected to flooding, suitable precautions
32 shall be observed to anchor the tank in place.

1 SECTION 28: Section 79.601 is hereby amended by adding
2 thereto a new subsection, designated as subsection (f), reading
3 as follows:

4 (f) Bottom Placement Slab. A concrete slab, reinforced
5 with a 6" x 6" #10 wire mesh or a mesh of sufficient size and
6 weight to equal or exceed the displacement of the tanks to be
7 used, shall be poured on the bottom of the excavation. The size
8 of the slab shall exceed in horizontal dimensions the size of the
9 tank or tanks by one foot (1') in all directions. Straps of
10 steel one-fourth inch by two inches ($\frac{1}{4}$ " x 2") shall be used to
11 anchor the tank or tanks to the concrete slab in the following
12 manner:

- 13 1. Straps shall be continuous and shall be placed under
14 the reinforcement in the slab and be of sufficient
15 length to completely encircle the tank with a minimum
16 one foot (1') welded overlap at the top of the tank.
- 17 2. Straps can be provided with a one foot (1') "T"
18 welded to one end, said "T" to be placed under the rein-
19 forcement in the concrete.
- 20 3. A minimum of two (2) such straps for each tank shall
21 be provided. When, in the opinion of the authority
22 having jurisdiction, more straps are necessary because
23 of the size of the tanks, more shall be provided.
- 24 4. The overlap of the straps shall be welded. Bolts or
25 other means of fastening shall not be used.

26 NOTE: Metal tanks may be placed while the
27 concrete is still soft so that full
28 bearing on the tank is obtained, or a
29 cushion of blow sand may be placed on the
30 hardened concrete to accomplish the same.
31 If a sand cushion is used it shall be a
32 minimum of six inches (6") to accomplish

its purpose.

SECTION 29: Section 79.601 is hereby further amended by adding thereto a new subsection, designated as subsection (g), reading as follows:

(g) Top Displacement Slab. 1. Tanks shall be covered with 18 inches (18") of well-tamped earth plus a minimum of 6 inches (6") of concrete or a sufficient amount to overcome buoyancy of the tanks.

2. Reinforcement of the concrete shall be accomplished by No. 4 rebar, twelve inches (12") on center each way and adequately tied prior to pouring of concrete.

3. Tanks shall be so placed that a minimum of one foot (1') of space is maintained between tanks.

4. Backfill of the excavation shall not proceed until approval has been given by the Fire Prevention Division. Backfill shall be blow sand or other fine aggregate material

SECTION 30: Section 79.603 is hereby amended by adding thereto three new paragraphs, to be designated paragraphs 3, 4 and 5, reading, respectively, as follows:

3. Depth and cover shall be in accordance with the provisions of Section 79.601(b) and/or manufacturer's specifications.

4. Dry and wet hole procedures for bed and backfill material shall be in accordance with manufacturer's specifications.

5. Tanks shall be anchored where high water tables exist, where surface water could flow into the hole or where other water conditions could exist in a dry hole. Anchoring shall be by straps approved by the Chief and installed in accordance with manufacturer's specifications.

1 SECTION 31: Section 79.605 is hereby amended by adding
2 thereto a new subsection, designated as subsection (e), reading
3 as follows:

4 (e) Fiberglass Tanks. Fiberglass tanks shall be
5 pressure-tested, according to the manufacturer's specifications,
6 when placed in a level position in the ground on approved
7 material. Backfilling of the excavation shall not proceed until
8 approval has been given by the Fire Prevention Division.

9 SECTION 32: Subsection (b) of Section 79.903 is hereby
10 amended by deleting the exception thereto.

11 SECTION 33: Division IX of Article 79 is hereby amended
12 by adding thereto a new section, designated as Section 79.913,
13 reading as follows:

14 Self-Service Stations

15 Sec. 79.913. (a) Hose nozzle valves used at self-
16 service stations shall be of the approved automatic closing type
17 without a latch-open-device. Existing latch-open devices shall
18 be removed.

19 (b) Private key-card dispensing operations need not
20 require an attendant on duty provided that the key-card holder
21 has been trained and certified in safe dispensing operations by
22 the licensed card-issuing agency.

23 SECTION 34: Division IX of Article 79 is hereby further
24 paragraphs 1 to 7, inclusive, of this subsection (a):

25 1. An approved twenty-pound (20 lb.) dry powder
26 extinguisher shall be provided for each vehicle and
27 shall be mounted on the vehicle in a readily accessible
28 location.

29 2. Tanks on service vehicles used for transporting
30 Class I, II or III flammable/combustible liquids shall
31 be constructed of steel and shall not exceed one
32 thousand two hundred fifty gallons (1,250 gals.). When

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such tanks exceed fifty gallons (50 gals.), they shall be equipped with baffles.

3. All flammable liquid tanks shall conform to Article 79 of the Code.

4. When drums are used to house flammable liquids, they shall be anchored to the service vehicle with iron straps or chains of a suitable gauge. (Fiber rope shall not be used).

5. All service vehicles transporting Class I, II or III flammable/combustible liquids shall carry markings to meet the requirements of Section 79.1004 of this Code.

6. Oxygen tanks shall not be carried on the same service vehicle transporting petroleum products.

7. L.P.G. tanks carried on service vehicles shall meet the requirements of N.F.P.A. Pamphlet #58.

(b) Precautions against ignition shall meet the requirements of Sections 79.1204 and 79.1205 of this Code.

SECTION 35: Division 12 of Article 79 is hereby amended by adding thereto a new section, designated as Section 79.1208, reading as follows:

Permit Required

Sec. 1208. Service vehicles shall comply with the provisions of subsection 41A of Section 4.101.

SECTION 36: Section 80.103 is hereby amended by adding thereto a new subsection, designated as subsection (j), reading as follows:

(j) Storage shall be maintained in such a manner that all stock is under control of a competent person at all times.

SECTION 37: Article 85 is hereby amended to add a new section, designated as Section 85.110, reading as follows:

.....

1 Shunt Disconnect Devices

2 Sec. 85.110. All approved shunt trip switches, if not
3 located within a fire command center, shall be located outside
4 the structure, in a location approved by the Chief painted yellow
5 and properly identified as the main disconnect for power to the
6 building. Where provisions of this code mandate a central
7 control station the shunt trip shall be located therein.

8 SECTION 38: Subsection 2.2 of Appendix 1-B is hereby
9 amended by adding thereto a new subsection, designated as subsec-
10 tion (n), reading as follows:

11 (n) Central Control Station. If a Central Control
12 Station for Fire Department operations is required by Section
13 1807 Uniform Building Code, it shall contain, in addition to the
14 items that are set forth therein, the following:

- 15 1. A blackboard or marker board of a minimum size of
16 three feet (3') by four feet (4') capable of easy era-
17 sure, with a marking device and an eraser attached.
- 18 2. Current building plans, fire emergency pre-plans,
19 system operational manuals and a work table of a minimum
20 size of three feet (3') by seven feet (7') capable of
21 holding such plans opened in a working position.
- 22 3. A key box containing any and all keys that may be
23 needed by firefighter to gain access to all parts of
24 building.
- 25 4. All annunciator panels shall have standardized
26 labels approved by the Fire Department.
- 27 5. No items of storage or equipment shall be placed in
28 the central control station unless approved by the
29 Chief.

BILL NO. 87-44

Ordinance No. _____

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AN ORDINANCE RELATING TO ADOPTION OF A FIRE CODE; AMENDING TITLE 16, CHAPTER 16, SECTION 10, OF THE MUNICIPAL CODE OF THE CITY OF LAS VEGAS, NEVADA, 1983 EDITION, BY DELETING ALL REFERENCES TO THE 1982 EDITIONS OF THE UNIFORM FIRE CODE AND THE UNIFORM FIRE CODE STANDARDS ADOPTED BY REFERENCE THEREIN AND ADOPTING BY REFERENCE, IN LIEU THEREOF, THE 1985 EDITIONS OF THE UNIFORM FIRE CODE AND THE UNIFORM FIRE CODE STANDARDS AS PART I OF SAID CHAPTER; REPEALING IN ITS ENTIRETY THE EXISTING SUPPLEMENTAL DOCUMENT, AND AMENDMENTS THERETO, ADOPTED BY REFERENCE THEREIN AND ADOPTING BY REFERENCE, IN LIEU THEREOF, A NEW SUPPLEMENTAL DOCUMENT, ENTITLED: "A SUPPLEMENTAL DOCUMENT AMENDING THE UNIFORM FIRE CODE, 1985 EDITION" AS PART II OF SAID CHAPTER, WHICH ADDS VARIOUS PROVISIONS TO THE UNIFORM FIRE CODE, 1985 EDITION; PROVIDING OTHER MATTERS PROPERTY RELATING THERETO; PROVIDING PENALTIES FOR THE VIOLATION HEREOF; AND REPEALING ALL ORDINANCES OR PARTS OF ORDINANCES IN CONFLICT HEREWITH;

Sponsored by:
Mayor Ron Lurie

Summary: Adopts the 1985 Edition of the Uniform Fire Code, together with a supplemental document providing amendments thereof, deletions therefrom and additions thereto, as the City's Fire Code.

THE CITY COUNCIL OF THE CITY OF LAS VEGAS DOES ORDAIN AS FOLLOWS:

SECTION 1: Title 16, Chapter 16, Section 10, of the Municipal Code of the City of Las Vegas, Nevada, 1983 Edition, is hereby amended to read as follows:

16.16.010: Those certain documents, three copies of which are on file in the office of the City Clerk[,] and are marked and designated as follows, are adopted by reference as the Fire Code of the City:[,] and made a part of this Chapter as if they were fully set forth herein:]

(A) As Part I of this Chapter, the Uniform Fire Code, 1985 Edition, and the Uniform Fire Code Standards, [1982] 1985 Edition:[,] as prepared by the International Conference of Building Officials, and the Western Fire Chiefs Association, save and except such provisions thereof as are herein supplemented, amended, modified or deleted;] and

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(B) As Part II of this Chapter, a supplemental document, supplementing, amending, modifying, adding to and deleting from the Uniform Fire Code, [1982] 1985 Edition.

SECTION 2: If any section, subsection, subdivision paragraph, sentence, clause or phrase in this ordinance or any part thereof, is for any reason held to be unconstitutional or invalid or ineffective by any court of competent jurisdiction, such decision shall not affect the validity or effectiveness of the remaining portions of this ordinance or any part thereof. The City Council of the City of Las Vegas, Nevada, hereby declares that it would have passed each section, subsection, subdivision, paragraph, sentence, clause or phrase thereof, irrespective of the fact that any one or more sections, subsections, subdivisions, paragraphs, sentences, clauses or phrases be declared unconstitutional, invalid or ineffective.

SECTION 3: Whenever in this ordinance any act is prohibited or is made or declared to be unlawful or an offense or a misdemeanor, or whenever in this ordinance the doing of any act is required or the failure to do any act is made or declared to be unlawful or an offense or a misdemeanor, the doing of any such prohibited act or the failure to do any such required act shall constitute a misdemeanor and upon conviction thereof, shall be punished by a fine of not more than \$1,000.00 or by imprisonment for a term of not more than six months, or by any combination of such fine and imprisonment. Any day of any violation of this ordinance shall constitute a separate offense.

SECTION 4: All ordinances or parts of ordinances, sections, subsections, phrases, sentences, clauses or paragraphs
.....
.....
.....

1 contained in the Municipal Code of the City of Las Vegas, Nevada,
2 1983 Edition, in conflict herewith are hereby repealed.

3 PASSED, ADOPTED and APPROVED this _____ day of
4 _____, 1987.

5 APPROVED:

6
7 By _____
8 RON LURIE, Mayor

9 ATTEST:

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11 _____
12 KATHLEEN M. TIGHE, City Clerk

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The above and foregoing ordinance was first proposed and read by title to the City Council on the ____ day of _____, 198__, and referred to the following committee composed of Councilmen _____ and _____ for recommendation; thereafter the said committee reported favorably on said ordinance on the ____ day of _____, 198__, which was a _____ meeting of said Council; that at said _____ meeting, the proposed ordinance was read by title to the City Council as first introduced and adopted by the following vote:

VOTING "AYE" Councilmen: _____

VOTING "NAY" Councilmen: _____

ABSENT: _____

APPROVED:

By _____
RON LURIE, MAYOR

ATTEST:

Kathleen M. Tighe, City Clerk

1 A SUPPLEMENTAL DOCUMENT AMENDING THE UNIFORM
2 FIRE CODE, 1985 EDITION

3 Certain parts, articles, divisions, sections and subsec-
4 tions of the 1985 Edition of the Uniform Fire Code are hereby
5 supplemented, modified, amended and deleted as is provided for in
6 this Supplemental Document. If a conflict exists between any
7 provision of this Supplemental Document and any provision of the
8 Uniform Fire Code, 1985 Edition, or the Uniform Building Code,
9 1985 Edition, the provisions of this Supplemental Document shall
10 prevail.

11 SECTION 1: Part I of the Uniform Fire Code, 1985
12 Edition, is hereby amended by adding thereto a new article,
13 designated as Article 5, reading as follows:

14 ARTICLE 5
15 FIRE MARSHAL REGULATIONS

16 Division I
17 IDENTIFICATION OF PREMISES

18 Directory Required

19 Sec. 5.101. Large apartment complexes, condominiums,
20 residential complexes for retired persons and large mobile home
21 parks that do not follow the standard city street numbering pat-
22 terns or guidelines shall display a permanent directory in a
23 conspicuous location, either at the main entrance or just outside
24 the main office thereof that contains the information that is
25 required by subsections (a) to (g), inclusive, of this Section
26 5.101.

27 (a) The directory shall be of sufficient size that let-
28 ters, numbers, streets and similar means of identification are
29 easily read.

30 (b) The directory shall have lighting so as to be
31 visible and readable at night.

32 (c) The directory shall give locations of different
buildings apartment or space number.

1 (d) The directory shall be so designed as to show
2 those buildings, apartments, or mobile home spaces in relation to
3 the streets, driveways, or walkways servicing each.

4 (e) The owners and/or operators of those complexes or
5 mobile home parks shall be required to supply enough printed
6 8-1/2 by 11 inch copies of the directory for every emergency unit
7 responding to the complex or mobile home park on both first or
8 second alarm, and from both the City of Las Vegas Fire Department
9 or other Fire Departments designated in the response.

10 (f) The owners and/or operators of these complexes or
11 mobile home parks shall be required to correct the directory and
12 supply corrected printed directories to the Fire Department
13 involved whenever additions, alterations or corrections are made
14 to the complexes or mobile home parks.

15 (g) The printed directories shall show the location of
16 hydrants on roadways, walkways, or parking lots which are located
17 within the complexes or mobile home parks.

18 Division II
19 FIRE DRILLS

20 Frequency and Manner of Conducting

21 Sec. 5.201. (a) Fire drills shall be held at least
22 once a month in Educational Occupancies where such occupancies
23 constitute the major occupancy of a building and a minimum of
24 once a month on each shift in institutional occupancies. During
25 severe weather fire drills shall be rescheduled. A record of
26 all fire drills shall be kept and the person in charge of such
27 occupancies shall file written reports at least quarterly with
28 the Fire Prevention Division giving the time and date of each
29 drill held. Such records shall be attested to by the signature
30 of the person or persons conducting said fire drills.

31 (b) In Educational Occupancies fire drills shall
32 include complete evacuation of all persons from the building. In

1 Institutional Occupancies fire drills shall be conducted to fami-
2 liarize operating personnel with their assigned positions of
3 emergency duty. Complete evacuation of occupants from the
4 building in Institutional Occupancies at the time of the fire
5 drill shall be required only where it is practical and does not
6 involve moving non-ambulatory patients or disturbing persons
7 under medical care.

8 (c) In R type Occupancies fire drills shall be required
9 at the discretion of the Chief.

10 Division III
11 PORTABLE EXTINGUISHING EQUIPMENT FOR APARTMENTS

12 Type Required and Location

13 Sec. 5.301. (a) Minimum rated class two-A (2A) fire
14 extinguishers shall be installed and maintained by apartment
15 building owner/managers within the City of Las Vegas.

16 (b) Apartment buildings are "apartment houses" as
17 defined in the 1985 Uniform Fire Code, Section 9.103. In accor-
18 dance with the 1985 Uniform Fire Code Standard No. 10-1, portable
19 fire extinguishers shall be located as stipulated in Chapter 3 of
20 said Standard. Extinguishers shall be serviced in accordance
21 with the current Nevada State Fire Marshal Regulations.

22 (c) In lieu of requirements in the 1985 Uniform Fire
23 Code Standard No. 10-1, one-A (1A) rated portable fire
24 extinguishers, properly mounted, will be acceptable in each indi-
25 vidual apartment rental unit, providing the owner/manager main-
26 tains records of service dates of these extinguishers.

27 Division IV
28 HYDRANT INSTALLMENTS

29 Installation

30 Sec. 5.401. (a) All fire hydrants shall be installed
31 18" into the sidewalks, measured from the rear of the walk. See
32 Uniform Standard Drawing, Public Works Construction Clark County

1 Area, Drawing #56.09. All fire mains shall conform to the Las
2 Vegas Valley Water District requirements in accordance with
3 N.F.P.A. recommendations. Fire hydrants in commercial areas,
4 depending on the size, spacing and construction of the buildings,
5 shall be spaced so that all construction and combustible open
6 storage is within five hundred feet of an approved fire hydrant
7 and the required fire flow. Fire hydrants in residential planned
8 unit developments (row housing), and planned unit condominium
9 apartment complexes shall be spaced not more than 300 - 500 feet
10 apart depending on the size, spacing, and construction of the
11 building.

12 (b) Because of large open spaces in planned unit deve-
13 lopments, spacing may be erratic. Islands on major streets may
14 require adjustments to spacing. Family detached dwelling areas
15 shall be spaced not more than five hundred (500) feet apart,
16 depending on the size, spacing and construction of the building.

17 Submittals

18 Sec. 5.402. Four (4) sets of "water plans" are to be
19 submitted to the Fire Prevention Division for approval prior to
20 the installation of fire hydrants and/or water mains. Of the
21 four (4) sets of plans, one set (the original) will be returned
22 when it is signed and approved. A space at least 3½" wide by 2"
23 high shall be provided on the bottom right hand corner of the
24 plans for the Fire Department approval stamp. A "vicinity map"
25 and the Fire Department General Notes must also be on the plans.
26 The plans are to show the exact location, size and type of new
27 and existing water mains, the exact location of existing and new
28 hydrants, hydrant control street valves, water main connections,
29 control valves, stubs, etc. In addition, the plans are to show
30 curb lines and sidewalks, streets, alleys and driveways, walls
31 and fences, property lines, vehicle parking layouts, buildings
32 and anything else pertinent to hydrant locations.

1 Initial Inspections

2 Sec. 5.403. The installer is required to contact the
3 Fire Department forty-eight (48) hours in advance for two inspec-
4 tions during installation. The initial inspection consists of
5 inspecting the gravel bed, concrete thrust block, hydrant weap
6 holes, hydrant control street valve location, hydrant location,
7 obstruction to the hydrant, and the hydrant itself.

8 Final Inspections

9 Sec. 5.404. The final inspection consists of flushing
10 the hydrant; determining the static, residual and flow pressure
11 of the hydrant; and checking the location, clearances, condition
12 and protection, if required, of the hydrant, the painting of the
13 hydrant (yellow), curb (red), striping of asphalt (yellow, if
14 required) and anything else pertinent to hydrant location and
15 installation. A 2" to 6" clearance shall be required between the
16 concrete pad and the bottom flange of hydrant.

17 On-site System Testing

18 Sec. 5.405. All on-site water mains for fire protection
19 systems and fire hydrants shall be tested in accordance with
20 National Fire Protection Association Standard 24, titled On-Site
21 Protection, and shall include the following:

22 Underground Systems

23 Sec. 5.406. (a) All components of underground fire
24 line systems shall be Factory Mutual approved.

25 (b) Before asking for final approval of an installation
26 by the authority having jurisdiction, the installing company
27 shall furnish a written statement, counter signed by the property
28 owner or representative, to the effect that the work has been
29 completed in accordance with approved specifications and plans.
30 The Contractor's Materials and Test Certificate, shown in Chapter
31 13, Standard for the Installation of Sprinkler Systems, is to be
32 used to the extent it applies.

1 (c) The trench shall be backfilled between joints
2 before testing to prevent movement of pipe.

3 Hydrostatic Test Requirements

4 Sec. 5.407. (a) All new yard piping shall be tested
5 hydrostatically at not less than 150 pounds per square inch (10.3
6 bars) pressure for two hours, or at 50 pounds per square inch
7 (3.4 bars) in excess of the maximum static pressure when the
8 maximum static pressure is in excess of 150 pounds per square
9 inch (10.3 bars). The test procedure is as follows:

10 1. The water pressure is to be increased to 50 psi
11 (3.4 bars) increments until the test pressure
12 described in #4 is attained.

13 2. After each increase in pressure, observations
14 are to be made of the stability of the joints.
15 These observations shall include such items as
16 protrusion or extrusion of the gasket, leakage or
17 other factors likely to effect the continued use of
18 a pipe in service. During the test, the pressure
19 is not be be increased by the next increment until
20 the joints have become stable. This applies to
21 movement of the gasket. After the pressure has
22 been increased to the required maximum valve and
23 held for one hour, the pressure is to be decreased
24 to 0 psi while observations are made for leakage.
25 The pressure is again to be slowly increased to the
26 valve specified in #4 and held for one more hour
27 while observations are made for leakage and the
28 leakage measurement is made.

29 (b) The amount of leakage in piping shall be measured
30 at the specified test pressure by pumping from a calibrated con-
31 tainer. For new piping, the amount of leakage at the joints
32 shall not exceed two quarts per hour (1.89 l/h) per 100 gaskets

1 or joints irrespective of pipe diameter.

2 (c) The amount of allowable leakage specified in #5 may
3 be increased by one fluid ounce per inch valve diameter per hour
4 (30ml/25ml/h) for each metal seated valve isolating the test sec-
5 tion. If dry barrel hydrants are tested with the main valve
6 open, so the hydrants are under pressure, an additional five
7 ounces per minute (15ml/min) leakage is permitted for each
8 hydrant.

9 (d) Test shall be made by the contractor in the pre-
10 sence of the authority having jurisdiction or the authority
11 having jurisdiction and/or the representative of the owner. The
12 statement referred to in #5 above is to be completed.

13 Operating Tests

14 Sec. 5.408. (a) Each hydrant shall be fully opened and
15 closed under system water pressure and dry barrel hydrants
16 checked for proper draining. When fire pumps are available, this
17 shall be done with the pumps running.

18 (b) All control valves shall be fully closed and opened
19 under system water pressure to ensure proper operation. Fire
20 hydrants shall conform to American Water Works Association
21 Standard, c, 502-80, for Fire Hydrants, 1980 Edition, and all
22 fire hydrants shall conform to the following specifications:

23 1. Hydrants shall be designed, manufactured, and
24 tested in compliance with the 1980 Edition of
25 A.W.W.A. C-502-80, "Standard for Dry - Barrel Fire
26 Hydrants," as published by the American Waterworks
27 Association.

28 2. Hydrants shall be "Traffic" type with a replace-
29 able "breakable" flange immediately above the
30 ground line for minimizing damage. All hydrants
31 shall be guaranteed to break away at the break-away
32 flange without damage to the hydrant barrel or the

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hydrant itself, and the valve stem will not be bent. Pre-weakened, scored or breakable bolts at the break-away flange are not acceptable.

3. Hydrants shall be of the compression type, constructed so that the main valve closes with the water pressure to assure no loss of water in the event of water damage to the upper portion of the fire hydrant.

4. Main valve opening shall have a minimum diameter of 5- $\frac{1}{4}$ " to assure optimum flow.

5. Hydrants shall be of the dry top design with two O-ring seals to ensure that the operating threads will be protected from water entry. Drop top design must include a factory lubricated operating mechanism which allows supplemental lubricant to be added in the field without removal of the top section. Standard lubricant shall be either oil or grease, suitable for a temperature range of -40 degrees F. to +150 degrees F.

6. The operating nut shall be a one-piece bronze casting. Both the operating nut and nozzle cap nuts shall be Pentagon in shape and measure 1- $\frac{1}{8}$ inches from point to flat. Caps shall be provided with rubber gaskets.

7. Hydrants shall have two 2- $\frac{1}{2}$ inch National Standard nozzles and one 4 inch National Standard pumper nozzle with Higbee type threads.

8. Hydrant nozzle section shall be capable of rotation through 360 degrees with respect to the standpipe.

9. Minimum distance allowable between the centering of the lowest nozzle and ground line is 16

1 inches.

2 10. Hydrant shall have identification mark indi-
3 cating direction of opening left.

4 11. Hydrants shall have permanent markings iden-
5 tifying the manufacturer name, size of main valve
6 opening and year of the manufacture.

7 12. Hydrants shall have automatic drain that is
8 operated by the main valve rod. Drain valve is to
9 open as the main valve is closed and close as the
10 main valve is opened. Port and seat of drain valve
11 shall be bronze.

12 13. The outside of the hydrant top section shall
13 be painted a minimum of one coat of primer and one
14 finished coat of medium yellow enamel.

15 14. The shoe of the hydrant shall be provided with
16 a ring type of inlet, six (6) inches in size. The
17 internal surface of the shoe shall be coated with a
18 factory applied thermosetting epoxy coating with a
19 minimum thickness of 4 mils.

20 15. The facing of the main valve against seats
21 shall be rubber or neoprene.

22 16. Hydrants shall be designed to permit the use
23 of extension section and allow all parts to be
24 removed from ground level without requiring excava-
25 tion of the hydrant.

26 17. Installation shall be in accordance with
27 Standards as described in the 1985 Uniform Fire
28 Code as adopted by the City of Las Vegas. Testing
29 shall be in accordance with A.W.W.A. Standard
30 C-600.

31 Pre-Construction Water Supply

32 Sec. 5.409. On any new home or building construction,

1 accessible fire hydrants shall be installed before actual
2 construction commences and said fire hydrants shall be in good
3 working order with an adequate water supply.

4 Identification

5 Sec. 5.410. Painting of curbs and asphalt parking areas
6 shall be completed by the installer prior to the final inspection
7 and shall be as follows:

8 (a) A suitable coat of red paint (Zone-Lac Glass Curb
9 Enamel #716A9 Red or equivalent) shall be applied to curbs in
10 front of hydrants as follows:

11 Parallel Parking: 30' (15' on each side of the
12 hydrant).

13 Head on Parking: 40' (25' on the acute angle side
14 and 15' on the obtuse angle side of the hydrant).

15 (b) A suitable coat of "street marking" yellow paint
16 shall be applied to the asphalt in the striping effect, according
17 to City Traffic Engineering specifications.

18 (c) Painting of the curbs and/or striping of asphalt
19 for protection from physical injury per City Fire Department
20 "Hydrant Installation Specifications" shall be completed before
21 approval of the hydrants by the City of Las Vegas Fire Department
22 can be obtained.

23 Pads Required

24 Sec. 5.411. The pad shall be 3' x 3' x 10" thick with
25 #3° rebar all around. See Uniform Standard Drawings, Clark
26 County Area, Drawing #D.50 of these specifications.

27 Location

28 Sec. 5.412. Fire hydrants shall not be located within
29 6' of a driveway, power pole, light standard, or other obstruc-
30 tion. For wall, fence, and planter locations relative to
31 hydrants, see subsections (a) through (d), inclusive, of this
32 Section 5.411.

1 (a) For an obstruction that is no higher than the bot-
2 tom of the lowest outlet with cap on, 24" clearance from the
3 center of the hydrant to each side is required. The front shall
4 not be obstructed.

5 (b) From an obstruction that is no higher than the
6 hydrant, but is above the bottom of the lowest outlet with cap on
7 24" clearance is required on each side. The front shall not be
8 obstructed.

9 (c) For an obstruction higher than the hydrant, a 36"
10 clearance is required from the center of the hydrant to each
11 side, or as may otherwise be approved by the Chief. The front
12 shall not be obstructed.

13 (d) Bushes, plants, trees, etc., shall not obstruct
14 maintenance or operation of the hydrant.

15 (e) All fire main and hydrant locations shall be
16 approved by the Las Vegas Fire Department prior to installation.

17 NOTE: Two (2) copies of approved as-built plans
18 shall be submitted to the Las Vegas Fire
19 Department for I.S.O. Insurance Classification
20 records. The Fire Department shall determine
21 the required fire flow for fire protection
22 based on the current I.S.O. grading recommen-
23 dations.

24 Existing Hydrants

25 Sec. 5.413. When property with existing fire hydrant
26 protection is developed, the existing fire hydrants shall be
27 brought up to meet or exceed the requirements of the City Fire
28 Department Hydrant Specifications and Hydrant Installation
29 Specifications.

30 Valves

31 Sec. 5.414. Hydrant control valves are to be located as
32 close as practical to the main. Sectional water main control

1 valves are to be located per Fire Department requirements. A
2 sectional control valve must be installed after every two
3 hydrants on a water system so that no more than two hydrants will
4 be out of service due to a break in a water main. Single
5 hydrants are not required to be isolated on a water main as all
6 hydrants have shut-off valves on their laterals.

7 General Notes - City Fire Department

8 Sec. 5.415. The following "General Notes" are required
9 to be on water plans submitted to the City Fire Department for
10 approval.

11 (a) All work shall be done in strict accordance with
12 City of Las Vegas Standard Specifications.

13 (b) All work shall be done in strict accordance with
14 the City of Las Vegas Fire Department "Hydrant Specifications"
15 and "Hydrant Installation Specifications."

16 (c) On any new home or building construction,
17 accessible fire hydrants shall be installed before actual
18 construction commences and said fire hydrants shall be in good
19 working order with an adequate water supply.

20 Division V
21 UNDERGROUND WATER SUPPLY

22 As-Built Drawings Required

23 Sec. 5.501. Upon completion of the installation of any
24 underground water system supplying on-site fire protective devi-
25 ces or systems such as fire hydrants and sprinkler systems, a
26 complete as-built drawing of said system, starting at the water
27 vault, and including each and every portion of said system, shall
28 be submitted to the Fire Prevention Division for future referen-
29 ces. This drawing shall include all underground valves and any
30 pertinent information that could prove useful at a later date.
31 It shall be the responsibility of the Hydrant Division to obtain
32 and verify these drawings as part of the approval procedure of
all new systems or the modification of existing systems.

1 Division VI
2 SIGNALING SYSTEMS

3 Permits Required

4 Sec. 5.601. Before any fire related signaling system is
5 installed, the company making the installation, including the
6 approved Central Station Signaling Office, shall apply to the
7 Fire Prevention Division for all applicable permits. The appli-
8 cant shall identify the type of system to be installed as
9 designated in the applicable N.F.P.A. Standards 71, 72a, 72b,
10 72c, or 72d.

11 General Requirements

12 Sec. 5.602. (a) All audible signal appliances shall
13 produce not less than eighty (80) decibels sound levels
14 throughout the protected area.

15 (b) Group B, Division 2 Occupancies having areas in
16 excess of 40,000 square feet, ground floor, shall be provided
17 with a Class II, Type A, B, C, or D fire alarm system.

18 (c) Group B, Division 2 Occupancies, three (3) or more
19 stories but less than 55 feet in height, shall be provided with
20 Class III, Type A, B, C, or D fire alarm system.

21 (d) Group I, Division 1 and 2 Occupancies and mental
22 hospitals shall be provided with an approved automatic smoke-
23 detection and manually activated Class III alarm system or Type
24 A, B, C or D.

25 (e) Group R, Division 1, and Group B, Division 2
26 Occupancies two (2) stories or more in height shall be provided
27 with at least three separate zones per floor as follows:

- 28 1. Pull Stations
- 29 2. Smoke Detectors
- 30 3. Water Flow Devices

31 Supervision

32 Sec. 5.603. All fire alarm systems, shall be supervised

1 by location as determined by the Chief. Supervision shall be by
2 an approved central proprietary or remote station service or a
3 local alarm which will give an audible signal at a constantly
4 attended location.

5 Inspection Contracts

6 Sec. 5.604. Inspection Contracts for Fire Alarm
7 Systems: The test agreement between the building owner and ser-
8 vice company shall cover all alarm equipment, i.e., control
9 panel, annunciator panel and peripheral devices including such
10 wiring as may be necessary for the system to function properly.
11 The service representative shall make as many visits as necessary
12 to insure that all equipment is functioning as designed.

13 Minimum Service Requirements

14 Sec. 5.605. (a) All fire alarm systems shall be tested
15 and inspected annually by a service company or alarm contractor
16 certified by the manufacturer of the equipment being installed.

17 EXCEPTION: The following occupancies shall be tested
18 and inspected semiannually: Group I,
19 Division 1, 2, and 3 Occupancies. Group
20 R, Division 1 Occupancies, two (2) or
21 more stories in height. Group B,
22 Division 1 Occupancies, two (2) or more
23 stories in height.

24 (b) For all tests, the service company shall:

- 25 1. Physically ascertain that all audible signaling
26 appliances are functioning properly during the
27 annual contract period.
28 2. Inspect and operate all outlying initiating and
29 indicating devices during the annual contract
30 period.
31 3. Test and adjust all control equipment.
32 4. Check alarm systems on the standby power source

1 during the annual contract period.

2 5. Check the system to ascertain whether it will
3 function properly under abnormal line conditions,
4 such as open line and grounded line tests.

5 (c) The service company shall make itself available for
6 emergency call 24 hours a day, 7 days a week. Said service com-
7 pany shall submit evidence of the capability to provide for
8 repair and restoration of fire alarm system within 24 hours of
9 notification of a fault in the system.

10 (d) All inspection reports shall be forwarded to the
11 Fire Prevention Division within thirty (30) days after the
12 inspection, unless major deficiencies exist, in which case
13 reports shall be forwarded immediately.

14 (e) Prior to and after service or testing of any equip-
15 ment, the Fire Department alarm office shall be notified of the
16 location of the test and the approximate time the equipment will
17 be inoperable.

18 (f) A Fire Department representative will accompany the
19 service company on one of its visits during the contract period.
20 The Fire Department shall be notified 24 hours prior to testing
21 by the service company.

22 (g) In the event the contract is cancelled or not
23 renewed, the Fire Department shall be notified by the service
24 company within twenty-four (24) hours.

25 Division VII
26 SPRINKLER SYSTEMS

27 General Requirements

28 Section 5.701. The sprinkler inspection contract shall
29 include testing by a licensed sprinkler contractor of all water
30 flow actuated devices, gate valve supervising switches, tank
31 water level devices and other sprinkler system supervisory devi-
32 ces annually. Fire pump, whether new or existing, shall be

1 tested by a qualified service company at least once a year. All
2 tests shall be completed in accordance with applicable
3 standards.

4 Supervision

5 Sec. 5.702. All automatic sprinkler systems, including
6 those existing systems, shall be supervised as determined by the
7 Chief. Supervision shall be by an approved central, proprietary
8 or remote station service or local alarm which will give an
9 audible signal at a constantly attended location.

10 Division VIII
11 PROTECTION OF CORRIDORS AND STAIRWAY, RAMP AND
12 ESCALATOR ENCLOSURES

12 Corridors

13 Sec. 5.801. Interior corridors in Group R Division 1
14 occupancies having an occupant load of 10 or more shall have a
15 corridor smoke detector system installed. Smoke detectors shall
16 not be located farther apart than 15 feet.

17 Stairway, Ramp and Escalator Enclosures

18 Sec. 5.802. Every interior stairway, ramp or escalator
19 shall be enclosed as specified in subsection (a) of the Uniform
20 Building Code.

21 EXCEPTION: In other than Group H Division 6, Group
22 I, and Group R Division 1, an enclosure
23 need not be provided for a stairway, ramp
24 or escalator serving only one adjacent
25 floor and not connected with corridors or
26 stairways serving other floors. For
27 enclosure of escalators serving Group B
28 occupancies, see Chapter 17 of the
29 Uniform Building Code.

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1 laboratory, must be submitted to the Fire Marshal's Office prior
2 to installation. The samples must be clearly identified as to
3 type and must be identical to those tested.

4 Division XII
5 ROOFING KETTLES

6 General Provisions

7 Sec. 5.1201. (a) Roofing kettles shall not be placed
8 within fifteen (15) feet of any opening in any occupied building
9 except on a public street.

10 (b) Roofing kettles shall not be placed in such a loca-
11 tion as to block exits, means of egress, gates, roadways or
12 entrances.

13 (c) In institutions, schools and assembly occupancies,
14 when such buildings are occupied, the roofing kettles shall be
15 enclosed by a substantial barrier. The barrier shall be at least
16 twenty-five (25) feet away from the kettle. The barrier shall
17 clearly indicate that the enclosed area is restricted to use by
18 authorized persons only.

19 (d) Suitable supports shall be provided for all piping
20 at intervals not more than twelve (12) feet.

21 (e) Roofing kettles and all integral working parts,
22 valves, safety relief devices, burners, pressure tanks and slop-
23 throughs shall be in good working condition and shall be main-
24 tained free of excessive residue.

25 (f) No person shall maintain an open flame in a roofing
26 kettle while it is being transported or when it is in any public
27 garage or premises where flammable liquids are dispensed. The
28 tar pitch shall not exceed 300° F. while kettle is being
29 transported.

30 (g) The tar kettle shall be equipped with a thermometer
31 to register the temperature of the material within the kettle at
32 all times. Tar and tar pitch asphalt shall not be heated to

1 exceed its flash point.

2 (h) Ground kettles shall not be fired or used while
3 mounted on the bed or trucks unless the truck body is of all-
4 metal construction and the kettle is securely attached to the
5 body of the truck. Pitch kettles shall not be permitted for use
6 while mounted on the bed of the truck.

7 (i) The following minimum equipment must be on hand
8 before burners are ignited:

- 9 1. At least one (1) approved fire extinguisher
10 having 20-B, C Classification.
11 2. At least two (2) sacks of dry sand, 50 lbs.
12 each.

13 (j) There shall be at least one (1) approved fire
14 extinguisher of 20-B, C classification or larger:

- 15 1. Readily accessible and within thirty (30) feet
16 horizontal travel of every roofing kettle during
17 the period said roofing kettle is in use.
18 2. On the roof or area where heated asphalt, tar
19 or pitch is being applied.

20 (k) All kettle doors and draw off cock handles must be
21 closed, latched and secured while kettle is in transit.

22 (l) All trailers used for transporting kettles or
23 trailer units must be equipped with an adequate safety chain and
24 draw pin when in transit. Both must be attached firmly to the
25 towing vehicle and tied safely by a larger diameter bolt with a
26 counterlocked double nut or by a heavy gauge wire safety pin or
27 other device to prevent the kettle or trailer from becoming
28 detached from the towing vehicle while in transit.

29 Permit Required

30 Sec. 5.1202. (a) A permit shall be required for each
31 roofing tanker vehicle or roofing kettle operated by any company,
32 corporation, co-partner or owner/operator.

1 (b) Before such permit is issued, it is the respon-
2 sibility of the owner to have the roofing tanker vehicle or
3 roofing kettle inspected by the Fire Prevention Division of the
4 City of Las Vegas.

5 (c) The Fire Prevention Division shall affix a num-
6 bered, metallic tag or medallion to each unit denoting a permit
7 has been issued and is on file.

8 (d) All liquified petroleum containers over five (5)
9 gallon water capacity shall be adequately secured to the towing
10 vehicle by bolts, chains, metal straps or by an approved method
11 to prevent them from being ejected in the event of a traffic
12 accident.

13 (e) The support leg shall be constructed of at least
14 one and one fourth inch (1- $\frac{1}{4}$ ") standard steel pipe and shall have
15 a steel foot or pad of at least four inches by four inches by
16 one-fourth inch (4" x 4" x $\frac{1}{4}$ "). The pin or adjustment rod shall
17 be at least one-fourth inch ($\frac{1}{4}$ ") steel. The support leg shall be
18 constructed in a workmanlike manner and shall be adequate to sup-
19 port the kettle while standing.

20 Division XIII
21 EXIT DOORS

22 Dimensions and Type Required

23 Sec. 5.1301. All commercial buildings shall be equipped
24 with a minimum of one (1) exit door which, when opened, provides
25 at least 6'8" of height and 36" of width of unobstructed
26 opening. Such exit doors shall be of the swing type.

27 SECTION 2: Article 1 is hereby amended by adding
28 thereto a new section, designated as Section 1.104, reading as
29 follows:

30 Companion Codes Adopted

31 Sec. 1.104. (a) There is hereby specifically adopted,
32 as a part of this code, the following companion standards and

1 publications:

- 2 1. NFPA National Fire Codes (1987 Edition)
- 3 2. Factory Mutual Systems (1987 Edition)
- 4 3. Underwriters Laboratories Standards (1987 Edition)
- 5 4. Nevada State Fire Marshal Regulations (1986
- 6 Edition)

7 (b) Whenever a provision of any of the standards and
8 publications that are adopted by subsection (a) of this Section
9 1.104 apply to the subject matter of a provision of any other of
10 said standards and publications or a provision of the Uniform
11 Fire Code, including any supplemental document adopted by the
12 City, or the Uniform Building Code, including any supplemental
13 document adopted by the City, the more stringent of the two pro-
14 visions shall prevail, except as may otherwise be determined by
15 the Chief.

16 (c) Except as is otherwise provided in subsection (b)
17 of this Section 1.104, if a conflict exists between any provision
18 of the Uniform Fire Code, including any supplemental document
19 adopted by the City, or the Uniform Building Code, including any
20 supplemental document adopted by the City, and any provision of
21 any of the standards and publications that are adopted by subsec-
22 tion (a) of this Section 1.104, the provision of the Uniform Fire
23 Code or the provision of the Uniform Building Code, as the case
24 may be, shall prevail. If a conflict exists between any provision
25 of any of the standards and publications that are adopted by sub-
26 section (a) of this Section 1.104 and any provision of any other
27 of said standards and publications, the provision of the stan-
28 dards or publication that bears the lower paragraph number in
29 said subsection (a) shall prevail.

30 SECTION 3: Article 1 is hereby further amended by
31 adding thereto a new section, designated as Section 1.105,
32 reading as follows:

1 Appendices Adopted

2 Sec. 1.105. There is hereby specifically adopted, as a
3 part of this code, the following appendices to the Uniform
4 Building Code, 1985 Edition: Division I, Appendix I-A, Appendix
5 I-B, as amended by Section 40 of this Supplemental Document, and
6 Appendix I-C; Division II, Appendix II-D; Division III, Appendix
7 III-A and Appendix III-C; Division IV, Appendix IV-A; Division
8 VI, Appendix VI-C.

9 SECTION 4: Section 2.203 is hereby amended by adding
10 thereto a new subsection, designated as subsection (c), reading
11 as follows:

12 (c) The charge for the reproduction of such a report
13 will be three dollars (\$3.00) for the first three (3) pages, or
14 portion thereof, and fifty cents (\$.50) for each additional
15 page.

16 SECTION 5: Section 2.302 is hereby deleted.

17 SECTION 6: Subsection 10 of Section 4.101 is hereby
18 amended to read as follows:

19 10. Compressed gases, flammable. (A) A permit shall
20 be required for the installation, storage, use and/or handling of
21 flammable compressed gases.

22 (B) A permit shall be required for the installation,
23 storage, use and/or use of all non-flammable compressed gases,
24 inclusive of medical gas systems.

25 (C) For permits for cryogenics and hazardous materials,
26 see Article 74.

27 SECTION 7: Subsection 15 of Section 4.101 is hereby
28 amended to read as follows:

29 15. Explosives or blasting agents. For permits for
30 explosive or blasting agents, see Division XIV of Article 5.

31 SECTION 8: Section 4.101 is hereby amended by adding
32 thereto a new subsection, designated as subsection 15A, reading

1 as follows:

2 15A. Fire Protection, Life Safety Systems and Appli-
3 ances. For permits for the installation and maintenance of
4 all Fire Protection, Life Safety Systems and Appliances, see
5 Division III of Article 10.

6 SECTION 9: Section 4.101 is hereby further amended by
7 adding thereto a new subsection, designated as subsection 41A,
8 reading as follows:

9 41A. Service vehicles. To operate a service vehicle.
10 Such permits shall be issued upon inspection of the service
11 vehicle by the Department. Proof of permit will be stamped with
12 the initials L.V.F.D. and the assigned tag number on one side.
13 The proof of permit tag shall be attached to the service vehicle
14 by means of a wire seal and shall be on the vehicle at all times.
15 The proof of permit tag shall be affixed to the outside rear view
16 mirror on the driver's side of the vehicle.

17 SECTION 10: Section 9.121 is hereby amended by adding,
18 between the definitions of "Service Station, Marine" and "Small
19 Arms Ammunition," a definition of "Service Vehicle," reading as
20 follows:

21 SERVICE VEHICLE is a vehicle used for the purpose of
22 carrying fuel, oil or grease to equipment used in construction,
23 which ordinarily would not be serviced in service stations.

24 SECTION 11: Subsection (k) of Section 10.207 is hereby
25 amended to read as follows:

26 (k) Obstruction. The required width of any fire
27 apparatus access road shall not be obstructed in any manner,
28 including parking of vehicles. Minimum required widths and
29 clearances as established by the Chief shall be maintained at all
30 times.

31 SECTION 12: Section 10.207 is hereby amended by adding
32 thereto a new subsection, designated as subsection (m), reading

1 as follows:

2 (m) Fire Lanes. Fire lanes within the jurisdictional
3 authority shall be constructed, maintained and regulated by the
4 Chief.

5 SECTION 13: Section 10.208 is hereby amended by adding
6 at the end thereof, a new paragraph, reading as follows:

7 Premise identification shall conform to Section 5.101.

8 SECTION 14: Section 10.209 is hereby amended to read as
9 follows:

10 Key Box

11 Sec. 10.209. Key Box Required. All occupancies shall be
12 provided with a key box. The key box shall be a type approved by
13 the Chief and shall contain keys to gain necessary access as
14 required by the Chief.

15 EXCEPTION: In Groups R, Division 3, and all M
16 Occupancies the key box may be omitted
17 when approved by the Chief.

18 (b) Location on Building. The key box shall be located:

19 1. Six feet (6') within the recognized public entrance
20 (the normal point of access by Fire Department) and
21 adjacent to the fire alarm annunciation panel on
22 the exterior of the structure, as required by the
23 Chief.

24 2. No less than nine feet (9') above grade below the
25 box and not more than eleven feet (11') above grade
26 below the box.

27 EXCEPTION: No less than five feet (5') nor more than
28 seven feet (7') above grade below the box
29 if optional listed alarm tamper lock box
30 is used.

31 (c) Box Contents. The key box shall be a type approved
32 by the Chief and shall contain keys (and/or metal card key with

1 metal imprint) to gain necessary access as required by the
2 Chief.

3 (d) Color. The color of the key box shall be in high
4 contrast with its background as required by the Chief.

5 (e) Location on Property. The owner or his agent shall
6 submit to the Fire Department a detailed diagram of the property
7 indicating the location of the key box.

8 SECTION 15: Article 10 is hereby amended by adding
9 thereto a new section, designated as Section 10.210, reading as
10 follows:

11 Fire Prevention Programs

12 Sec. 10.210. Fire prevention programs, inclusive
13 of building evacuation drills, staff training and appliance main-
14 tenance, shall be performed as prescribed in Division XV of
15 Article 5.

16 SECTION 16: Subsection (a) of Section 10.301 is hereby
17 amended to read as follows:

18 (a) Type Required. The chief shall designate the type
19 and number of fire appliances to be installed and maintained in
20 and upon all buildings and premises in the jurisdiction other
21 than private dwellings. This shall be done according to the
22 relative severity of probable fire, including the rapidity with
23 which it may spread. Such appliances shall be of a type suitable
24 for the probable class of fire associated with such building or
25 premises, as determined in accordance with Division XVI of
26 Article 5.

27 Portable fire extinguishers shall be in accordance with
28 U.F.C. Standard No. 10-1.

29 SECTION 17: Subsection (b) of Section 10.301 is hereby
30 amended to read as follows:

31 (b) Special Hazards. In occupancies of an especially
32 hazardous nature or where special hazards exist in addition to

1 the normal hazard of the occupancy, or where access for fire
2 apparatus is unduly difficult, additional safeguards may be
3 required consisting of additional fire appliance units, more than
4 one type of appliance, or special systems suitable for the pro-
5 tection of the hazard involved. Such devices or appliances shall
6 consist of, but not be limited to automatic fire alarm systems,
7 automatic sprinkler or water spray systems, standpipe and hose,
8 fixed or portable fire extinguishers, suitable asbestos blankets,
9 breathing apparatus, manual or automatic covers, carbon dioxide,
10 foam, halogenated and dry chemical or other special fire-
11 extinguishing systems. Fire Protection/Life Safety features
12 required by the Fire Marshal in special hazard occupancies shall
13 be installed and maintained in accordance with the applicable
14 Standards of the Uniform Fire Code, National Fire Protection
15 Association and/or Factory Mutual.

16 SECTION 18: Subsection (e) of Section 10.301 is hereby
17 amended to read as follows:

18 (e) Approval and Testing. All fire alarm systems, fire
19 hydrant systems, fire-extinguishing systems (including automatic
20 sprinklers), wet and dry standpipes, basement inlet pipes, and
21 other fire-protection systems and pertinents thereto shall meet
22 the approval of the fire department as to installation and loca-
23 tion and shall be subject to such periodic tests as required by
24 the Chief. Plans and specifications shall be submitted to the
25 Fire Department for review and approval prior to construction, in
26 accordance with Division VI of Article 5.

27 SECTION 19: Subsection (a) of Section 10.302 is hereby
28 amended to read as follows:

29 (a) General. All sprinkler systems, fire hydrant
30 systems, standpipe systems, fire alarm systems, portable fire
31 extinguishers, smoke and heat ventilators, smoke removal systems
32 and other fire-protective or extinguishing systems or appliances

1 shall be maintained in an operative condition at all times and
2 shall be replaced or repaired where defective. Fire-protective
3 or extinguishing systems coverage, spacing and specifications
4 shall be maintained in accordance with recognized standards at
5 all times. Such systems shall be extended, altered or augmented
6 as necessary to maintain and continue protection whenever any
7 building so equipped is altered, remodeled or added to. All
8 additions, repairs, alterations and servicing shall be in accor-
9 dance with recognized standards.

10 SECTION 20: Section 11.204 is hereby amended by
11 designating the existing paragraph as subsection (a) and by
12 adding to said Section two new subsections, designated as subsec-
13 tions (b) and (c), reading as follows:

14 (b) Interior wall and ceiling finish shall comply with
15 the provisions of Chapter 42 of the Uniform Building Code, 1985
16 Edition.

17 (c) Fire resistive materials shall meet the require-
18 ments for fire resistive construction in accordance with the pro-
19 visions of Chapter 43 of the Uniform Building Code, 1985
20 Edition.

21 SECTION 21: Section 12.104 is hereby amended by adding
22 thereto a new subsection, designated as subsection (f), reading
23 as follows:

24 (f) Special Doors. Revolving, sliding and overhead
25 doors shall not be used as required exits.

26 SECTION 22: Section 30.105 is hereby amended by adding
27 thereto a new subsection, designated as subsection (c), reading
28 as follows:

29 (c) The construction shall conform to the provisions of
30 Section 910 of the Uniform Building Code, Chapter 11 of the
31 Uniform Mechanical Code and Articles 500 to 503, inclusive of the
32 National Electrical Code.

1 SECTION 23: Division III of Article 24 is hereby
2 amended by adding thereto a new section, designated as Section
3 24.306, reading as follows:

4 Fire Alarms

5 Sec. 24.306. Communication facilities shall be pro-
6 vided from the roof area to allow notification of the Fire
7 Department or, alternatively, a pull station shall be installed
8 and connected to the fire alarm system installed within the
9 building.

10 SECTION 24: Subsection (c) of Section 45.307 is hereby
11 amended to read as follows:

12 (c) Dip tanks containing a liquid with a flash point
13 below 100°F. (when used in such manner that the liquid temperature
14 may equal or be greater than its flash point from artificial or
15 natural causes) shall conform to Section 45.307(b) when having
16 both a capacity of more than 10 gallons and a liquid surface area
17 of more than 4 square feet.

18 SECTION 25: Section 74.211 is hereby amended to read as
19 follows:

20 Warning Systems

21 Sec. 74.211. Warning systems shall be installed, main-
22 tained and tested in accordance with Chapter 3 of N.F.P.A. #56F.

23 SECTION 26: Division II of Article 74 is hereby amended
24 by adding thereto a new section, designated as Sections 74.213,
25 reading as follows:

26 Piping Systems

27 Sec. 74.213 (a) Piping systems shall conform to the
28 provisions of Chapter 3 of N.F.P.A. #56F.

29 (b) Installation and testing of piping systems shall
30 conform to the provisions of Chapter 3 of N.F.P.A. Standard
31 #56F.

32 SECTION 27: Section 79.111 is hereby amended to read as

1 follows:

2 Cleaning with Flammable Liquid

3 Sec. 79.111. Class I liquids and Class II liquids with
4 a flashpoint below 100°F. shall not be used within a building for
5 washing parts or removing grease or dirt unless they are used in
6 a closed machine approved for the purpose or in a separate well-
7 ventilated room constructed in accordance with Section 79.804.

8 SECTION 28: Subsection (e) of Section 79.114 is hereby
9 amended to read as follows:

10 (e) Underground Tanks Out of Service One Year. Any
11 underground tank which has been abandoned for a period of one (1)
12 year shall be removed from the property in a manner approved by
13 the Chief.

14 SECTION 29: Division IV of Article 79 is hereby amended
15 by adding thereto a new section designated as Section 79.411,
16 reading as follows:

17 Fiberglass Tanks.

18 Sec. 79.411. Fiberglass tanks shall be pressure-tested,
19 according to the manufacturer's specifications, when placed in a
20 level position in the ground on approved material. Backfilling
21 of the excavation shall not proceed until approval has been given
22 by the Fire Protection Division.

23 SECTION 30: Subsection (c) of Section 79.601 is hereby
24 amended to read as follows:

25 (c) Anchorage. Where a tank may become buoyant due to
26 a rise in the level of the water table or due to location in an
27 area that may be subjected to flooding, suitable precautions
28 shall be observed to anchor the tank in place.

29 SECTION 31: Section 79.601 is hereby amended by adding
30 thereto a new subsection, designated as subsection (f), reading
31 as follows:

32 (f) Bottom Placement Slab. A concrete slab, reinforced

1 with a 6" x 6" #10 wire mesh or a mesh of sufficient size and
2 weight to equal or exceed the displacement of the tanks to be
3 used, shall be poured on the bottom of the excavation. The size
4 of the slab shall exceed in horizontal dimensions the size of the
5 tank or tanks by one foot (1') in all directions. Straps of
6 steel one-fourth inch by two inches ($\frac{1}{4}$ " x 2") shall be used to
7 anchor the tank or tanks to the concrete slab in the following
8 manner:

9 1. Straps shall be continuous and shall be placed under
10 the reinforcement in the slab and be of sufficient
11 length to completely encircle the tank with a minimum
12 one one (1) foot welded overlap at the top of the tank.

13 2. Straps can be provided with a one foot (1') "T"
14 welded to one end, said "T" to be placed under the rein-
15 forcement in the concrete.

16 3. A minimum of two (2) such straps for each tank shall
17 be provided. When, in the opinion of the authority
18 having jurisdiction, more straps are necessary because
19 of the size of the tanks, more shall be provided.

20 4. The overlap of the straps shall be welded. Bolts or
21 other means of fastening shall not be used.

22 NOTE: Metal tanks may be placed while the
23 concrete is still soft so that full
24 bearing on the tank is obtained, or a
25 cushion of blow sand may be placed on the
26 hardened concrete to accomplish the same.
27 If a sand cushion is used it shall be a
28 minimum of six inches (6") to accomplish
29 its purpose.

30 SECTION 32: Section 79.601 is hereby further amended by
31 adding thereto a new subsection, designated as subsection (g),
32 reading as follows:

1 (g) Top Displacement Slab. 1. Tanks shall be covered
2 with 18 inches (18") of well-tamped earth plus a minimum
3 of 6 inches (6") of concrete or a sufficient amount to
4 overcome buoyancy of the tanks.

5 2. Reinforcement of the concrete shall be accomplished
6 by No. 4 rebar, twelve inches (12") on center each way
7 and adequately tied prior to pouring of concrete.

8 3. Tanks shall be so placed that a minimum of one foot
9 (1') of space is maintained between tanks.

10 4. Backfill of the excavation shall not proceed until
11 approval has been given by the Fire Prevention Division.
12 Backfill shall be blow sand or other fine aggregate
13 material

14 SECTION 33: Section 79.603 is hereby amended by adding
15 thereto three new paragraphs, to be designated paragraphs 3, 4
16 and 5, reading, respectively, as follows:

17 3. Depth and cover shall be in accordance with the pro-
18 visions of Section 79.601(b) and/or manufacturer's spe-
19 cifications.

20 4. Dry and wet hole procedures for bed and backfill
21 material shall be in accordance with manufacturer's spe-
22 cifications.

23 5. Tanks shall be anchored where high water tables
24 exist, where surface water could flow into the hole or
25 where other water conditions could exist in a dry hole.
26 Anchoring shall be by straps approved by the Chief and
27 installed in accordance with manufacturer's specifica-
28 tions.

29 SECTION 34: Subsection (b) of Section 79.903 is hereby
30 amended by deleting the exception thereto.

31 SECTION 35: Division IX of Article 79 is hereby amended
32 by adding thereto a new section, designated as Section 79.913,

1 reading as follows:

2 Self-Service Stations

3 Sec. 79.913. (a) Hose nozzle valves used at self-
4 service stations shall be of the approved automatic closing type
5 without a latch-open-device. Existing latch-open devices shall
6 be removed.

7 (b) Private key-card dispensing operations need not
8 require an attendant on duty provided that the key-card holder
9 has been trained and certified in safe dispensing operations by
10 the licensed card-issuing agency.

11 SECTION 36: Division IX of Article 79 is hereby further
12 amended by adding thereto a new section, designated as Section
13 79.914, reading as follows:

14 Service Vehicles

15 Sec. 79.914. (a) Service vehicles shall comply with
16 paragraphs 1 to 7, inclusive, of this subsection (a):

- 17 1. An approved twenty-pound (20 lb.) dry powder
18 extinguisher shall be provided for each vehicle and
19 shall be mounted on the vehicle in a readily accessible
20 location.
- 21 2. Tanks on service vehicles used for transporting
22 Class I, II or III flammable/combustible liquids shall
23 be constructed of steel and shall not exceed one
24 thousand two hundred fifty gallons (1,250 gals.). When
25 such tanks exceed fifty gallons (50 gals.), they shall
26 be equipped with baffles.
- 27 3. All flammable liquid tanks shall conform to Article
28 79 of the Code.
- 29 4. When drums are used to house flammable liquids, they
30 shall be anchored to the service vehicle with iron
31 straps or chains of a suitable gauge. (Fiber rope shall
32 not be used).

1 5. All service vehicles transporting Class I, II or
2 III flammable/combustible liquids shall carry markings
3 to meet the requirements of Section 79.1004 of this
4 Code.

5 6. Oxygen tanks shall not be carried on the same ser-
6 vice vehicle transporting petroleum products.

7 7. L.P.G. tanks carried on service vehicles shall meet
8 the requirements of N.F.P.A. Pamphlet #58.

9 (b) Precautions against ignition shall meet the
10 requirements of Sections 79.1204 and 79.1205 of this Code.

11 SECTION 37: Division 12 of Article 79 is hereby amended
12 by adding thereto a new section, designated as Section 79.1208,
13 reading as follows:

14 Permit Required

15 Sec. 1208. Service vehicles shall comply with the pro-
16 visions of subsection 41A of Section 4.101.

17 SECTION 38: Section 80.103 is hereby amended by adding
18 thereto a new subsection, designated as subsection (j), reading
19 as follows:

20 (j) Storage shall be maintained in such a manner that
21 all stock is under control of a competent person at all times.

22 SECTION 39: Article 85 is hereby amended to add a new
23 section, designated as Section 85.1101, reading as follows:

24 Shunt Disconnect Devices

25 Sec. 85.1101. All approved shunt trip switches, if not
26 located within a fire command center, shall be located outside
27 the structure, in a location approved by the Chief painted yellow
28 and properly identified as the main disconnect for power to the
29 building. Where provisions of this code mandate a central
30 control station the shunt trip shall be located therein.

31 SECTION 40: Subsection 2.2 of Appendix 1-B is hereby
32 amended by adding thereto a new subsection, designated as subsec-

1 tion (n), reading as follows:

2 (n) Central Control Station. If a Central Control
3 Station for Fire Department operations is required by Section
4 1807 Uniform Building Code, it shall contain:

- 5 1. The voice alarm and public address system panels.
- 6 2. The Fire Department Communications Panel. Firemen's
7 telephone jacks shall be adaptable to Fire Department
8 telephones.
- 9 3. Fire detection and alarm system annunciator panels.
- 10 4. Annunciator visually indicating the location of the
11 elevators and whether they are operational.
- 12 5. Status indicators and controls for air handling
13 systems.
- 14 6. Controls for unlocking all stairway doors simulta-
15 neously.
- 16 7. Sprinkler valve and water-flow detector display
17 panels.
- 18 8. Standby power controls and status indicators.
- 19 9. A telephone for Fire Department use with controlled
20 access to the public telephone system.
- 21 10. A blackboard or marker board capable of easy erasure
22 with marking device and erasure attached. This board
23 shall be of considerable size for type of occupancy.
- 24 11. Current building plans, fire emergency pre-plans,
25 system operational manuals and a work table capable of
26 holding such plans opened in a working position.
- 27 12. A key box containing any and all keys that may be
28 needed by firefighter to gain access to all parts of
29 building.
- 30 13. All annunciator panels shall have standardized
31 labels approved by the Fire Department.
- 32 14. No items of storage or equipment shall be placed in

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the central control station unless approved by the
Chief.

RECEIVED

AFFIDAVIT OF PUBLICATION

STATE OF NEVADA,
COUNTY OF CLARK

{ ss.

CITY CLERK

Carol Black

, being first duly sworn,

deposes and says: That he is Legal Clerk of the LAS VEGAS SUN, a daily newspaper of general circulation, printed and published at Las Vegas, in the County of Clark, State of Nevada, and that the attached was continuously published in said newspaper for a period of 1 time.

from October 1, 1987 to October 1, 1987

inclusive, being the issues of said newspaper for the following dates, to-wit:

October 1, 1987

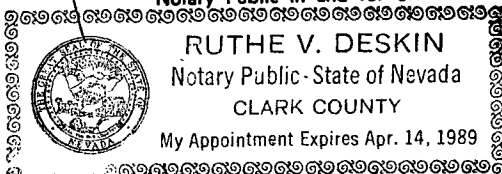
That said newspaper was regularly issued and circulated on each of the dates above named.

Signed Carol Black

Subscribed and sworn to before me this 1st day of October, 1987

Ruthe V. Deskin

Notary Public in and for Clark County, Nevada



My Commission Expires

FIRST AMENDMENT
BILL NO. 87-44
AN ORDINANCE RELATING TO THE ADOPTION OF A FIRE CODE; AMENDING TITLE 18, CHAPTER 16, SECTION 10, OF THE MUNICIPAL CODE OF THE CITY OF LAS VEGAS, NEVADA, 1983 EDITION, BY DELETING ALL REFERENCES TO THE 1982 EDITIONS OF THE UNIFORM FIRE CODE AND THE UNIFORM FIRE CODE STANDARDS ADOPTED BY REFERENCE THEREIN AND ADOPTING BY REFERENCE, IN LIEU THEREOF, THE 1985 EDITIONS OF THE UNIFORM FIRE CODE AND THE UNIFORM FIRE CODE STANDARDS AS PART 1 OF SAID CHAPTER; REPEALING IN ITS ENTIRETY THE EXISTING SUPPLEMENTAL DOCUMENT, AND AMENDMENTS THERETO, ADOPTED BY REFERENCE THEREIN AND ADOPTING BY REFERENCE, IN LIEU THEREOF, A NEW SUPPLEMENTAL DOCUMENT ENTITLED: "A SUPPLEMENTAL DOCUMENT AMENDING THE UNIFORM FIRE CODE, 1985 EDITION" AS PART II OF SAID CHAPTER, WHICH ADDS VARIOUS PROVISIONS TO THE UNIFORM FIRE CODE, 1985 EDITION; PROVIDING FOR OTHER MATTERS PROPERLY RELATING THERETO, PROVIDING PENALTIES FOR THE VIOLATION HEREOF; AND REPEALING ALL ORDINANCES OR PARTS OF ORDINANCES IN CONFLICT HEREWITH.

Sponsored by:
Mayor Ron Lurie

Summary: Adopts the 1985 Edition of the Uniform Fire Code, together with a supplemental document providing amendments thereof, deletions therefrom and additions thereto, as the City's Fire Code. At a City Council meeting August 6, 1987

BILL NO. 87-44 WAS READ BY TITLE AND REFERRED TO RECOMMENDING COMMITTEE: Mayor Lurie and Councilman Adameen

COPIES OF THE COMPLETE ORDINANCE ARE AVAILABLE FOR PUBLIC INFORMATION IN THE OFFICE OF THE CITY CLERK, 10TH FLOOR, CITY HALL, 400 EAST STEWART AVENUE, LAS VEGAS, NEVADA.

PUB: October 1, 1987
Las Vegas SUN

SECOND AMENDMENT
 BILL NO. 87-44
 ORDINANCE NO. 3318
 AN ORDINANCE PROVIDING FOR THE ADOPTION OF A FIRE CODE: AMENDING TITLE 18, CHAPTER 18, SECTION 10, OF THE MUNICIPAL CODE OF THE CITY OF LAS VEGAS, NEVADA, 1983 EDITION, BY DELETING ALL REFERENCES TO THE 1982 EDITIONS OF THE UNIFORM FIRE CODE AND THE UNIFORM FIRE CODE STANDARDS ADOPTED BY REFERENCE THEREIN AND ADOPTING BY REFERENCE, IN LIEU THEREOF, THE 1985 EDITIONS OF THE UNIFORM FIRE CODE AND THE UNIFORM FIRE CODE STANDARDS AS PART 1 OF SAID CHAPTER; REPEALING IN ITS ENTIRETY THE EXISTING SUPPLEMENTAL DOCUMENT, AND AMENDMENTS THERETO, ADOPTED BY REFERENCE THEREIN AND ADOPTING BY REFERENCE, IN LIEU THEREOF, A NEW SUPPLEMENTAL DOCUMENT, ENTITLED: "A SUPPLEMENTAL DOCUMENT AMENDING THE UNIFORM FIRE CODE, 1985 EDITION" AS PART II OF SAID CHAPTER, WHICH ADDS VARIOUS PROVISIONS TO THE UNIFORM FIRE CODE, 1985 EDITION; PROVIDING FOR OTHER MATTERS PROPERLY RELATING THERETO, PROVIDING PENALTIES FOR THE VIOLATION HEREOF; AND REPEALING ALL ORDINANCES OR PARTS OF ORDINANCES IN CONFLICT HEREWITH.

Sponsored by:
 Mayor Ron Lurie

Summary: Adopts the 1985 Edition of the Uniform Fire Code, together with a supplemental document providing amendments thereof, deletions therefrom and additions thereto, as the City's Fire Code.

The above and foregoing ordinance was first proposed and read by title to the City Council on the 5th day of August, 1987, and referred to the following committee composed of Mayor Lurie and Councilman Adamsen for recommendation; thereafter the said committee reported favorably on said ordinance on the 21st day of October, 1987, which was a regular meeting of said Council; that at said regular meeting, the proposed ordinance was read by title to the City Council as first introduced and adopted by the following vote:

VOTING "AYE" Councilmen:
 Adamsen, Bunker, Miller, Nolan and Mayor Lurie

VOTING "NAY" Councilmen: NONE

ABSENT: NONE

COPIES OF THE COMPLETE ORDINANCE ARE AVAILABLE FOR PUBLIC INFORMATION IN THE OFFICE OF THE CITY CLERK, 10TH FLOOR, CITY HALL, 400 EAST STEWART AVENUE, LAS VEGAS, NEVADA.

PUB: October 27, 1987
 Las Vegas SUN

AFFIDAVIT OF PUBLICATION

RECEIVED

STATE OF NEVADA, { ss.
 COUNTY OF CLARK

NOV 2 11 35 AM '87

Carol Black

CITY CLERK being first duly sworn,

deposes and says: That he is Legal Clerk of the LAS VEGAS SUN, a daily newspaper of general circulation, printed and published at Las Vegas, in the County of Clark, State of Nevada, and that the attached was continuously published in said newspaper for a period of 1 time

from October 27, 1987 to October 27, 1987

inclusive, being the issues of said newspaper for the following dates, to-wit:

October 27, 1987

That said newspaper was regularly issued and circulated on each of the dates above named.

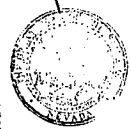
Signed Carol Black

Subscribed and sworn to before me this 27th day of October, 1987

Ruthe V. Deskin

My Commission Expires

Notary Public in and for Clark County, Nevada
 RUTHE V. DESKIN
 Notary Public - State of Nevada
 CLARK COUNTY
 My Appointment Expires Apr. 14, 1989



SECOND AMENDMENT
 BILL NO. 87-44
 ORDINANCE NO. 3318
 AN ORDINANCE PROVIDING FOR THE ADOPTION OF A FIRE CODE; AMENDING TITLE 18, CHAPTER 18, SECTION 10, OF THE MUNICIPAL CODE OF THE CITY OF LAS VEGAS, NEVADA, 1983 EDITION, BY DELETING ALL REFERENCES TO THE 1982 EDITIONS OF THE UNIFORM FIRE CODE AND THE UNIFORM FIRE CODE STANDARDS ADOPTED BY REFERENCE THEREIN AND ADOPTING BY REFERENCE, IN LIEU THEREOF, THE 1985 EDITIONS OF THE UNIFORM FIRE CODE AND THE UNIFORM FIRE CODE STANDARDS AS PART 1 OF SAID CHAPTER; REPEALING IN ITS ENTIRETY THE EXISTING SUPPLEMENTAL DOCUMENT, AND AMENDMENTS THERETO, ADOPTED BY REFERENCE THEREIN AND ADOPTING BY REFERENCE, IN LIEU THEREOF, A NEW SUPPLEMENTAL DOCUMENT, ENTITLED: "A SUPPLEMENTAL DOCUMENT AMENDING THE UNIFORM FIRE CODE, 1985 EDITION" AS PART II OF SAID CHAPTER, WHICH ADDS VARIOUS PROVISIONS TO THE UNIFORM FIRE CODE, 1985 EDITION; PROVIDING FOR OTHER MATTERS PROPERLY RELATING THERETO, PROVIDING PENALTIES FOR THE VIOLATION HEREOF, AND REPEALING ALL ORDINANCES OR PARTS OF ORDINANCES IN CONFLICT HEREWITH.
 Sponsored by:
 Mayor Ron Lurie
 Summary: Adopts the 1985 Edition of the Uniform Fire Code, together with a supplemental document providing amendments thereof, deletions therefrom and additions thereto, as the City's Fire Code. The above and foregoing ordinance was first proposed and read by title to the City Council on the 5th day of August, 1987, and referred to the following committee composed of Mayor Lurie and Councilman Adamsen for recommendation; thereafter the said committee reported favorably on said ordinance on the 21st day of October, 1987, which was a regular meeting of said Council; that at said regular meeting, the proposed ordinance was read by title to the City Council as first introduced and adopted by the following vote:
 VOTING "AYE" Councilmen: Adamsen, Bunker, Miller, Nolen and Mayor Lurie
 VOTING "NAY" Councilmen: NONE
 ABSENT: NONE
 COPIES OF THE COMPLETE ORDINANCE ARE AVAILABLE FOR PUBLIC INFORMATION IN THE OFFICE OF THE CITY CLERK, 10TH FLOOR, CITY HALL, 400 EAST STEWART AVENUE, LAS VEGAS, NEVADA.
 PUB: October 27, 1987
 Las Vegas SUN

AFFIDAVIT OF PUBLICATION

STATE OF NEVADA, { ss. NOV 2 11 35 AM '87
 COUNTY OF CLARK

Carol Black CITY CLERK, being first duly sworn,

deposes and says: That he is Legal Clerk of the LAS VEGAS SUN, a daily newspaper of general circulation, printed and published at Las Vegas, in the County of Clark, State of Nevada, and that the attached was continuously published in said newspaper for a period of 1 time

from October 27, 1987 to October 27, 1987

inclusive, being the issues of said newspaper for the following dates, to-wit:
October 27, 1987

That said newspaper was regularly issued and circulated on each of the dates above named.

Signed Carol Black

Subscribed and sworn to before me this 27th day of October, 1987

Ruthe V. Deskin
 Notary Public in and for Clark County, Nevada

My Commission Expires

RUTHE V. DESKIN
 Notary Public - State of Nevada
 CLARK COUNTY
 My Appointment Expires Apr. 14, 1989



FIRST AMENDMENT
 BILL NO. 87-44
 AN ORDINANCE RELATING TO THE ADOPTION OF A FIRE CODE; AMENDING TITLE 16, CHAPTER 16, SECTION 10, OF THE MUNICIPAL CODE OF THE CITY OF LAS VEGAS, NEVADA, 1983 EDITION, BY DELETING ALL REFERENCES TO THE 1982 EDITIONS OF THE UNIFORM FIRE CODE AND THE UNIFORM FIRE CODE STANDARDS ADOPTED BY REFERENCE THEREIN AND ADOPTING BY REFERENCE, IN LIEU THEREOF, THE 1985 EDITIONS OF THE UNIFORM FIRE CODE AND THE UNIFORM FIRE CODE STANDARDS AS PART 1 OF SAIO CHAPTER; REPEALING IN ITS ENTIRETY THE EXISTING SUPPLEMENTAL DOCUMENT, AND AMENDMENTS THERETO, ADOPTED BY REFERENCE THEREIN AND ADOPTING BY REFERENCE, IN LIEU THEREOF, A NEW SUPPLEMENTAL DOCUMENT, ENTITLED: "A SUPPLEMENTAL DOCUMENT AMENDING THE UNIFORM FIRE CODE, 1985 EDITION" AS PART II OF SAIO CHAPTER, WHICH ADDS VARIOUS PROVISIONS TO THE UNIFORM FIRE CODE, 1985 EDITION; PROVIDING FOR OTHER MATTERS PROPERLY RELATING THERETO, PROVIDING PENALTIES FOR THE VIOLATION HEREOF; AND REPEALING ALL ORDINANCES IN CONFLICT HEREWITH.
 Sponsored by:
 Mayor Ron Lurie
 Summary: Adopts the 1985 Edition of the Uniform Fire Code, together with a supplemental document providing amendments thereof, deletions therefrom and additions thereto, as the City's Fire Code.
 At a City Council meeting August 5, 1987
 BILL NO. 87-44 WAS READ BY TITLE AND REFERRED TO RECOMMENDING COMMITTEE:
 Mayor Lurie and Councilman Adamsen
 COPIES OF THE COMPLETE ORDINANCE ARE AVAILABLE FOR PUBLIC INFORMATION IN THE OFFICE OF THE CITY CLERK, 10TH FLOOR, CITY HALL, 400 EAST STEWART AVENUE, LAS VEGAS, NEVADA.
 PUB: October 1, 1987
 Las Vegas SUN

AFFIDAVIT OF PUBLICATION

STATE OF NEVADA, {
 COUNTY OF CLARK { ss.

OCT 2 10 45 AM '87

Carol Black CITY CLERK being first duly sworn,

deposes and says: That he is Legal Clerk of the LAS VEGAS SUN, a daily newspaper of general circulation, printed and published at Las Vegas, in the County of Clark, State of Nevada, and that the attached was continuously published in said newspaper for a period of 1 time.

from October 1, 1987 to October 1, 1987

inclusive, being the issues of said newspaper for the following dates, to-wit:

October 1, 1987


That said newspaper was regularly issued and circulated on each of the dates above named.

Signed Carol Black

Subscribed and sworn to before me this 1st day of October, 1987

Ruthe V. Deskin
 Notary Public in and for Clark County, Nevada

My Commission Expires


RUTHE V. DESKIN
 Notary Public - State of Nevada
 CLARK COUNTY
 My Appointment Expires Apr. 14, 1989

