

**Amendments to the
2011 National Electrical Code**

The following sections, paragraphs, and sentences of the *2011 National Electrical Code* are hereby amended as follows: Standard type is text from the NEC. Underlined type is text inserted. Lined through type is deleted text from NEC. Amendment carried over from the 2008 CAPITALIZATION identifies a new or revised amendment to the 2011 code.

Article NEC250.118 Types of Equipment Grounding Conductors; Change to read as follows:

The equipment grounding conductor run with or enclosing the circuit conductors shall be one or more or a combination of the following:

- (1) A copper, aluminum, or copper-clad aluminum conductor. This conductor shall be solid or stranded; insulated, covered, or bare; and in the form of a wire or a busbar of any shape.
- ~~(2) Rigid metal conduit.~~
- ~~(3) Intermediate metal conduit.~~
- ~~(4) Electrical metallic tubing.~~
- ~~(5) Listed flexible metal conduit meeting all the following conditions:~~
 - ~~a. The conduit is terminated in listed fittings.~~
 - ~~b. The circuit conductors contained in the conduit are protected by overcurrent devices rated at 20 amperes or less.~~
 - ~~c. The combined length of flexible metal conduit and flexible metallic tubing and liquidtight flexible metal conduit in the same ground-fault current path does not exceed 1.8 m (6 ft).~~
 - ~~d. If used to connect equipment where flexibility is necessary to minimize the transmission of vibration from equipment or to provide flexibility for equipment that requires movement after installation, an equipment grounding conductor shall be installed.~~
- ~~(6) Listed liquidtight flexible metal conduit meeting all the following conditions:~~
 - ~~a. The conduit is terminated in listed fittings.~~
 - ~~b. For metric designators 12 through 16 (trade sizes through ½), the circuit conductors contained in the conduit are protected by overcurrent devices rated at 20 amperes or less.~~
 - ~~c. For metric designators 21 through 35 (trade sizes ¾ through 1¼), the circuit conductors contained in the conduit are protected by overcurrent devices rated not more than 60 amperes and there is no flexible metal conduit, flexible metallic tubing, or liquidtight flexible metal conduit in trade sizes metric designators 12 through 16 (trade sizes through ½) in the ground-fault current path.~~
 - ~~d. The combined length of flexible metal conduit and flexible metallic tubing and liquidtight flexible metal conduit in the same ground-fault current path does not exceed 1.8 m (6 ft).~~
 - ~~e. If used to connect equipment where flexibility is necessary to minimize the transmission of vibration from equipment or to provide flexibility for equipment that requires movement after installation, an equipment grounding conductor shall be installed.~~
- ~~(7) Flexible metallic tubing where the tubing is terminated in listed fittings and meeting the following conditions:~~
 - ~~a. The circuit conductors contained in the tubing are protected by overcurrent devices rated at 20 amperes or less.~~

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- ~~b. The combined length of flexible metal conduit and flexible metallic tubing and liquidtight flexible metal conduit in the same ground-fault current path does not exceed 1.8 m (6 ft).~~
 - ~~(8) Armor of Type AC cable as provided in 320.108.~~
 - (9) The copper sheath of mineral-insulated, metal-sheathed cable.
 - (10) Type MC cable that provides an effective ground-fault current path in accordance with one or more of the following:
 - a. It contains an insulated or uninsulated equipment grounding conductor in compliance with 250.118(1)
 - b. The combined metallic sheath and uninsulated equipment grounding/bonding conductor of interlocked metal tape-type MC cable that is listed and identified as an equipment grounding conductor
 - c. ~~The metallic sheath~~ or The combined metallic sheath and equipment grounding conductors of the smooth or corrugated tube-type MC cable that is listed and identified as an equipment grounding conductor
 - (11) Cable trays as permitted in 392.10 and 392.60.
 - (12) Cablebus framework as permitted in 370.3.
 - ~~(13) Other listed electrically continuous metal raceways and listed auxiliary gutters.~~
 - ~~(14) Surface metal raceways listed for grounding.~~
- Informational Note: For effective ground-fault current path, see 250.2 Definition

Table 310.106(A) Minimum Size of Conductors; Change to read as follows: Minimum Conductor Size (AWG)		
Conductor Voltage Rating (Volts)	Copper	Aluminum or Copper-Clad Aluminum
0-2000	14	12 6
2001-5000	8	8 4
5001-8000	6	6 2
8001-15,000	2	2
15,001-28,000	1	1
28,001-35,000	1/0	1/0

**Amendments to the
2012 International Building Code
City of El Mirage**

The following sections, paragraphs, and sentences of the *2012 International Building Code* are hereby amended as follows: Standard type (*including italics*) is text from the IBC. **CAPITALIZED** type is text inserted. ~~Lined through~~ type is deleted text from IBC.

SECTION 101 GENERAL

Section 101.1 Title. These regulations shall be known as the *Building Code* of ~~[NAME OF JURISDICTION]~~ **CITY OF EL MIRAGE**, hereinafter referred to as "this code."

Section 101.4 Referenced codes. The other codes listed in Sections 101.4.1 through 101.4.6 and referenced elsewhere in this code shall be considered part of the requirements of this code to the prescribed extent of each such reference **AND AS ADOPTED AND AMENDED BY THE CITY OF EL MIRAGE.**

Section 101.4.3 Plumbing. The provisions of the *International Plumbing Code* shall apply to the installation, *alteration*, repair and replacement of plumbing systems, including equipment, appliances, fixtures, fittings and appurtenances, and where connected to a water or sewage system and all aspects of a medical gas system. ~~The provisions of the *International Private Sewage Disposal Code* shall apply to private sewage disposal systems.~~

SECTION 105 PERMITS

Section 105.1 Required. Any owner or authorized agent who intends to construct, enlarge, alter, repair, move, demolish, or change the occupancy of a building or structure, or to erect, install, enlarge, alter, repair, remove, convert or replace any electrical, gas, mechanical or plumbing system, the installation of which is regulated by this code, or to cause any such work to be done, shall first make application to the *building official* and obtain the required *permit*.

SECTION 105.1.3 FLAMMABLE LIQUIDS AND GASES. A PERMIT SHALL BE REQUIRED FOR THE INSTALLATION OF ANY CONTAINER OR PUMP FOR STORING AND HANDLING FLAMMABLE LIQUIDS AND GASES. ALL CONTAINERS AND EQUIPMENT FOR THE STORAGE AND HANDLING OF FLAMMABLE LIQUIDS OR GASES, OR BOTH, SHALL BE INSTALLED IN ACCORDANCE WITH THE FIRE CODE. ALL TANKS MUST BE FILLED FROM VEHICLES PARKED ON PRIVATELY OWNED PROPERTY. NO PUMP SHALL BE LOCATED WITHIN A BUILDING.

Section 105.2 Work exempt from permit. Exemptions from *permit* requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any other laws or ordinances of this jurisdiction. *Permits* shall not be required for the following:

Building:

1. One-story detached accessory structures used as tool and storage sheds, playhouses and similar uses, provided the floor area is not greater than ~~200 square feet (18.58m²).~~ **120 SQUARE FEET (11 M²).**
2. ~~Fences not over 7 feet (2134 mm)~~
3. Oil derricks.
4. ~~Retaining walls that are not over 4 feet (1219 mm) in height measured from the bottom of the footing to the top of the wall, unless supporting a surcharge or impounding Class I, II or IIIA liquids.~~

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5. Water tanks supported directly on grade if the capacity is not greater than 5,000 gallons (18 925 L) and the ratio of height to diameter or width is not greater than 2:1.
6. Sidewalks and driveways not more than 30 inches (762 mm) above adjacent grade, and not over any basement or *story* below and are not part of an *accessible route*.
7. Painting, papering, tiling, carpeting, cabinets, counter tops and similar finish work.
8. Temporary motion picture, television and theater stage sets and scenery.
9. Prefabricated swimming pools accessory to a Group R-3 occupancy that are less than 24 inches (610 mm) deep, are not greater than 5,000 gallons (18 925 L) and are installed entirely above ground.
10. Shade cloth structures constructed for nursery or agricultural purposes, not including service systems.
11. Swings and other playground equipment accessory to detached one- and two-family *dwellings*.
12. Window awnings in Group R-3 and U occupancies, supported by an exterior wall that do not project more than 54 inches (1372 mm) from the exterior wall and do not require additional support.
13. Nonfixed and movable fixtures, cases, racks, counters and partitions not over 5 feet 9 inches (1753 mm) in height.
14. Replacement glass and glazing in commercial buildings when replacement occurs in existing sash or frame and performed by Glass and Glazing Contractor registered in accordance with 4-1-110 of the Municipal Code.

SECTION 107 SUBMITTAL DOCUMENTS

106.1 General. Submittal documents consisting of *construction documents*, statement of *special inspections*, geotechnical report and other data shall be submitted in two or more sets with each *permit* application. The *construction documents* shall be prepared by a *registered design professional* where required by the statutes of the jurisdiction in which the project is to be constructed. Where special conditions exist, the *building official* is authorized to require additional *construction documents* to be prepared by a registered design professional.

CONSTRUCTION DOCUMENTS MUST BE PREPARED BY A REGISTERED DESIGN PROFESSIONAL UNDER THESE CIRCUMSTANCES:

- **COMMERCIAL USE PROJECTS, INCLUDING TENANT IMPROVEMENTS EXCEEDING 3,000 SQUARE FEET.**
- **POST-TENSION SLABS**
- **ALL OCCUPANCIES OF 5,000 SQUARE FEET OR MORE IN AREA.**
- **BUILDINGS AND STRUCTURES MORE THAN TWO STORIES ABOVE GRADE PLANE.**
- **FOR ALTERATIONS, REPAIR OR REHABILITATION OF:**
 - **ALL OCCUPANCIES WHERE THE AFFECTED AREA EXCEEDS 5,000 SQUARE FEET AND/OR THE PROPOSED WORK INVOLVES OR AFFECTS STRUCTURAL ELEMENTS, FIRE-RESISTIVE ELEMENTS OR MEANS OF EGRESS.**

Exception: The *building official* is authorized to waive the submission of *construction documents* and other data not required to be prepared by a *registered design professional* if it is found that the nature of the work applied for is such that review of the *construction documents* is not necessary to obtain compliance with this code.

Section 106.6.2 Fee schedule. ~~The fees for all plumbing work shall be as indicated in the following schedule: [JURISDICTION TO INSERT APPROPRIATE SCHEDULE]~~ **FEES AS PROVIDED IN THE CURRENTLY ADOPTED EL MIRAGE FEE SCHEDULE.**

SECTION 109 FEES

Section 109.2 Schedule of permit fees. On buildings, structures, electrical, gas, mechanical, and plumbing systems or *alterations* requiring a *permit*, a fee for each *permit* shall be paid as required, in accordance with **THE ADOPTED CITY OF EL MIRAGE FEE SCHEDULE** ~~as established by the applicable governing authority.~~

Section 109.3 Building permit valuations. The applicant for a permit shall provide an estimated permit value at time of application. Permit valuations shall include total value of work, including materials and labor, for which the permit is being issued, such as electrical, gas, mechanical, plumbing equipment and permanent systems. If, in the opinion of the *building official*, the valuation is underestimated on the application, the permit shall be denied, unless the applicant can show detailed estimates to meet the approval of the building official. If the applicant fails to present sufficient documentation to support the valuation on the application, Final building permit valuation shall be set by the *building official* **IN ACCORDANCE WITH THE MOST CURRENT BUILDING VALUATION DATA AS PUBLISHED BY THE INTERNATIONAL CODE COUNCIL OR APPROVED STATEMENTS SUFFICIENT TO CLEARLY DOCUMENT ALL CONSTRUCTION COSTS.**

SECTION 110 INSPECTIONS

Section 110.3 Required inspections. The building official, upon notification, shall make the inspections set forth in Sections 110.3.1 through 110.3.10. **NO INSPECTIONS SHALL BE MADE ON NEW CONSTRUCTION UNTIL THE SITE HAS BEEN SURVEYED AND ALL PROPERTY CORNERS HAVE BEEN PHYSICALLY IDENTIFIED.**

SECTION 113 MEANS OF APPEAL

Section 113 Means Of Appeal. Delete entirely. **EL MIRAGE CITY CODE §96.01 OUTLINES THE APPEAL PROCESS.**

SECTION 114 VIOLATIONS

Section 114.4 Violations penalties. Any person who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter or repair work in violation of the approved construction documents or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall be guilty of a ~~[SPECIFY OFFENSE]~~, **CLASS ONE MISDEMEANOR** punishable by a fine of not more than ~~[AMOUNT]~~ dollars or by imprisonment not exceeding ~~[NUMBER OF DAYS]~~, or both such fine and imprisonment. **AS OUTLINED IN EL MIRAGE CITY CODE §150.999.** Each day that a violation continues after due notice has been served shall be deemed a separate offense.

SECTION 116 UNSAFE STRUCTURES AND EQUIPMENT

SECTION 116.6 UNSAFE STRUCTURES: ABANDONED AND SUBSTANDARD STRUCTURES SHALL BE SUBJECT TO THE REQUIREMENTS OF APPLICABLE PROVISIONS OF THIS BUILDING CODE, THE EL MIRAGE MUNICIPAL CODE AND STATE LAW.

SECTION 202 DEFINITIONS

NIGHTCLUB- A PLACE OF ENTERTAINMENT OPEN AT NIGHT, USUALLY SERVING OR ALLOWING THE CONSUMPTION OF ALCOHOLIC BEVERAGES, HAVING A FLOOR SHOW, OR PROVIDING MUSIC AND SPACE FOR DANCING.

SECTION 907 FIRE ALARM AND DETECTION SYSTEMS

Section 907.2.1 Group A. A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group A occupancies where the occupant load due to the assembly occupancy is 300 or more. **IN A-2 NIGHTCLUBS HAVING AN OCCUPANT LOAD OF 100 OR MORE.** Group A occupancies not separated from one another in accordance with Section 707.3.9 shall be considered as a single occupancy for the purposes of applying this section. Portions of Group E occupancies occupied for assembly purposes shall be provided with a fire alarm system as required for the Group E occupancy. **Exception:** Manual fire alarm boxes are not required where the building is equipped throughout with an *automatic sprinkler system* installed in accordance with Section 903.3.1.1 and the occupant notification appliances will activate throughout the notification zones upon sprinkler waterflow.

SECTION 907.2.1.3 SYSTEM RESPONSE IN A-2 NIGHTCLUBS. AN ACTIVATION OF THE FIRE ALARM SYSTEM SHALL AUTOMATICALLY:

- 1. CAUSE ILLUMINATION OF THE MEANS OF EGRESS WITH LIGHT OF NOT LESS THAN 1 FOOT CANDLE (11 LUX) AT THE WALKING SURFACE LEVEL;**
- 2. STOP ALL CONFLICTING OR CONFUSING SOUNDS AND VISUAL DISTRACTIONS;
AND**
- 3. ACTIVATION OF A PRE-RECORDED MESSAGE, CLEARLY AUDIBLE THROUGHOUT THE BUILDING.**

SECTION 1101 GENERAL

Section 1101.2 Design. Buildings and facilities shall be designed and constructed to be *accessible* in accordance with this code, **ADAAG AND ICC/ANSI A117.1.**

SECTION 1503 WEATHER PROTECTION

SECTION 1503.4.4 DRAINAGE ACROSS ADJACENT PROPERTIES: NO ROOF DRAINAGE OR SURFACE DRAINAGE SHALL DRAIN ONTO ADJACENT PROPERTIES EXCEPT WHERE AN ENGINEERED DRAINAGE PLAN CALLS FOR DRAINAGE ACROSS PROPERTIES, AND THE APPROPRIATE DRAINAGE EASEMENTS HAVE BEEN RECORDED IN THE DEED RECORDS, AND THE NECESSARY PHYSICAL MEASURES FOR PROTECTION OF THE ADJACENT PROPERTIES HAVE BEEN INSTALLED.

No included appendixes are being specifically adopted.

END

Exhibit A

**Amendments to the
2012 International Existing Building Code
City of El Mirage**

The following sections, paragraphs, and sentences of the *2012 International Existing Building Code* are hereby amended as follows: Standard type (*including italics*) is text from the IEBC. CAPITALIZED type is text inserted. Lined-through type is deleted text from IEBC.

SECTION 101 GENERAL

Section 101.1 Title. These regulations shall be known as the *International Existing Building Code* of ~~[NAME OF JURISDICTION]~~ **CITY OF EL MIRAGE** hereinafter referred to as “this code.”

SECTION 112 MEANS OF APPEAL *Delete entirely*

Section 112: EL MIRAGE CITY CODE §96.01 OUTLINES THE APPEAL PROCESS.

SECTION 113 VIOLATIONS

Section 113.4 Violations penalties. Any person who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter or repair work in violation of the approved construction documents or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall be guilty of a ~~[SPECIFY OFFENSE]~~, **CLASS ONE MISDEMEANOR** punishable by a fine of not more than ~~[AMOUNT]~~ dollars or by imprisonment not exceeding ~~[NUMBER OF DAYS]~~, or both such fine and imprisonment. **AS NOTED IN EL MIRAGE CITY CODE §150.999.** Each day that a violation continues after due notice has been served shall be deemed a separate offense.

END

**Amendments to the
2012 International Energy Conservation Code
City of El Mirage**

The following sections, paragraphs, and sentences of the *2012 International Energy Conservation Code* are hereby amended as follows: Standard type (*including italics*) is text from the IECC. **CAPITALIZED** type is text inserted. ~~Lined through~~ type is deleted text from IECC.

SECTION C101 SCOPE AND GENERAL REQUIREMENTS

Section C101.1 Title. This code shall be known as the *International Energy Conservation Code* of ~~[NAME OF JURISDICTION]~~ **THE CITY OF EL MIRAGE**, and shall be cited as such. It is referred to herein as “this code”.

SECTION C108 STOP WORK ORDER

Section C108.4 Stop work orders.. Any person who shall continue any work in or about the structure after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable to a fine of not less than ~~[AMOUNT] dollars or more than [AMOUNT] dollars.~~ **FOR A FINE AS SPECIFIED IN THE EL MIRAGE CITY CODE § 150.999.**

SECTION C109 MEANS OF APPEAL. Delete section entirely.

Section C109.1 General. **EL MIRAGE CITY CODE § 96.01 OUTLINES THE APPEAL PROCESS.**

SECTION R401 GENERAL

Section 401.1 Scope. This chapter applies to residential buildings.

EXCEPTION: SINGLE, DETACHED HOMES CONSTRUCTED BY AN OWNER/ BUILDER. OWNER/BUILDERS SHALL COMPLY WITH THE 2012 INTERNATIONAL RESIDENTIAL CODE ENERGY PROVISIONS AND AMENDMENTS.

END

Exhibit A

Amendments to the 2012 International Fire Code City of El Mirage

The following sections, paragraphs, and sentences of the *2012 International Fire Code* are hereby amended as follows: Standard type (*including italics*) is text from the IFC. CAPITALS indicate text that is being inserted. Lined-through type is deleted text from IFC.

SECTION 101: SCOPE & GENERAL REQUIREMENTS

101.1 Title. These regulations shall be known as the *Fire Code* of ~~[NAME OF JURISDICTION]~~ **CITY OF EL MIRAGE**, hereinafter referred to as "this code."

101.4 Referenced codes. The other codes listed in Sections 101.4.1 through 101.4.6 and referenced elsewhere in this code shall be considered part of the requirements of this code to the prescribed extent of each such reference **AND AS ADOPTED AND AMENDED BY THE CITY OF EL MIRAGE.**

SECTION 102: APPLICABILITY

102.3 Change of use or occupancy. No change shall be made in the use or occupancy of any structure that would place the structure in a different division of the same group or occupancy or in a different group of occupancies, unless such structure is made to comply with the requirements of this code and the *International Building Code*. Subject to the approval of the fire code official, the use or occupancy of an existing structure shall be allowed to be changed and the structure is allowed to be occupied for purposes in other groups without conforming to all the requirements of this code and the *International Building Code* for those groups, provided the new or proposed use is less hazardous, based on life and fire risk, than the existing use.

102.3.1 APPROVALS. ALL CHANGES OF OCCUPANCY SHALL BE COORDINATED WITH THE FIRE CODE OFFICIAL PRIOR TO ISSUANCE OF A TEMPORARY OR PERMANENT CERTIFICATE OF OCCUPANCY.

SECTION 104: GENERAL AUTHORITY AND RESPONSIBILITIES

104.3 Right of entry. Whenever it is necessary to make an inspection to enforce the provisions of this code, or whenever the fire code official has reasonable cause to believe that there exists in a building or upon any premises any conditions or violations of this code which make the building or premises unsafe, dangerous or hazardous, the fire code official shall have the authority to enter the building or premises at all reasonable times to inspect or to perform the duties imposed upon the fire code official by this code. If such building or premises is occupied, the fire code official shall present credentials to the occupant and request entry. If such building or premises is unoccupied, the fire code official shall first make a reasonable effort to locate the owner or other person having charge or control of the building or premises and request entry. If entry is refused, the fire code official has recourse to every remedy provided by law to secure entry.

The Fire Department shall inspect, as often as necessary, buildings and premises, including such other hazards or appliances designated by the Fire Chief for the purposes of ascertaining and causing to be corrected any of the conditions which would reasonably tend to cause fire or contribute to its spread, or any violation of the purpose or provisions of this code and of any other law or standard affecting fire safety. Any person who refuses entry for purposes of this provision shall be in violation of the El Mirage City Code and subject to the penalties prescribed in El Mirage City Code.

Section 104.6.5 REQUIRED INFORMATION. Each business and building owner shall provide the following information to the Fire Code Official upon request: Responsible party address, responsible party telephone number, building owner address, building owner

telephone number, square footage of the building and/or leased space, Insurance company name, Insurance company policy number, and Insurance company telephone number.

104.10 Fire investigations. The fire code official, the fire department or other responsible authority shall have the authority to investigate the cause, origin and circumstances of any fire, explosion or other hazardous condition. Information that could be related to trade secrets or processes shall not be made part of the public record except as directed by a court of law.

104.10 FIRE INVESTIGATIONS. The Fire Department shall investigate or cause to be investigated promptly the cause, origin and circumstance of each and every fire occurring in the jurisdiction involving loss of life OR INJURY to a person or destruction or damage to property, and if it appears to the member of the Fire Department making the investigation that such fire is of suspicious origin, the member shall notify the appropriate law enforcement agency and shall secure the site until the law enforcement agency takes control of the site. The Fire investigator shall continue to pursue the investigation to its conclusion.

SECTION 105 PERMITS

105.3.1 Expiration. ADD: Operational permits shall expire on December 31st each year unless otherwise noted.

105.6.2 Amusement buildings. An operational permit is required to operate a special amusement building for a period of time not to exceed 45 days. Plans shall be submitted to the Fire Department for review 30 days before the opening of the building or structure to the public.

105.6.20 Hazardous materials. An operational permit is required to store, transport on site, dispense, use or handle hazardous materials in excess of the amounts listed in Table 105.6.20.

105.6.20.1 Hazardous Materials Storage Classification Definitions:

Group 0: No Hazardous Materials on site.

Group 1: Special Information is required to be submitted by any facility that has quantities of chemicals greater than the permitted quantities as listed in the International Fire Code, but less than the following:

- a.) 55 gallons of a liquid
- b.) 500 pounds of a solid
- c.) 200 cubic feet of a gas
- d.) 2,500 pounds of an aerosol product.

Special Information that must be submitted shall include:

- a.) A hazardous materials inventory statement (HMIS).

Group 2: Special information is required to be submitted by any facility that has quantities of chemicals on site greater than the following but less than the exempt amounts as determined by the International Fire Code:

- a.) 55 gallons of a liquid.
- b.) 500 pounds of a solid.
- c.) 200 cubic feet of a gas.
- d.) 2,500 pounds of an aerosol product.

Special Information that must be submitted shall include

- a.) A hazardous materials inventory statement (HMIS).
- b.) A hazardous materials storage plan.

Group 3: Special information comprised of a Hazardous Materials Management Plan (HMMP) shall be submitted whenever:

- a.) Hazardous Materials exceed exempt amounts specified in IFC
- b.) IFC requires detached storage.
- c.) The building or site has multiple International Building Code

- Group H occupancy classifications.
- d.) The facility is a Group H-5 Semiconductor facility.
 - e.) SARA Title III extremely hazardous substance is used, handled or stored on site in quantities requiring an IFC permit and which are above threshold planning quantities.
 - f.) When otherwise determined necessary by the Fire Marshal because of unique circumstances.

105.6.23 Hot work operations. An operational permit is required for hot work including, but not limited to:

- 1. Public exhibitions and demonstrations where hot work is conducted.
- 2. Use of portable hot work equipment inside a structure.

Exception: Work that is conducted under a construction permit.

- 3. Fixed-site hot work equipment such as welding booths.
- 4. Hot work conducted within a hazardous fire area.
- 5. Application of roof coverings with the use of an open-flame device.
- 6. When approved, the fire code official shall issue a permit to carry out a Hot Work Program. This program allows approved personnel to regulate their facility's hot work operations. The approved personnel shall be trained in the fire safety aspects denoted in this chapter and shall be responsible for issuing permits requiring compliance with the requirements found in Chapter 26. These permits shall be issued only to their employees or hot work operations under their supervision.

105.6.23.1 Hot Work Permits. Operational permits are required to be filled out by the responsible party for the site, structure, occupancy, or property prior to the hot work operation. Hot work permits must be kept on file for 90 days and be made available to the Fire Department

105.7.6 Fire alarm and detection systems and related equipment. A construction permit is required for installation of or modification to fire alarm and detection systems and related equipment. Maintenance performed in accordance with this code is not considered a modification and does not require a permit.

105.7.6.1 FIRE PROTECTION EQUIPMENT.

105.7.6.1(1) ANY PERSON, CORPORATION, PARTNERSHIP OR OTHER ENTITY ENGAGED IN THE BUSINESS OF DESIGN, INSTALL, MONITOR, SELL, OR SERVICE WITHIN THE CITY OF EL MIRAGE SHALL, OBTAIN A PERMIT FROM THE FIRE DEPARTMENT. THE PERMIT APPLICATION SHALL INCLUDE THE FOLLOWING: COPY OF STATE AND CITY LICENSE, AND COPY OF CERTIFICATION.

105.7.6.1(2) EACH FIRE PROTECTION SYSTEM INSTALLATION, MODIFICATION, OR INSPECTION JOB SHALL RECEIVE "DIRECT SUPERVISION" FROM A "COMPETENT ON-SITE PERSON" OR PERSONS POSSESSING THE FOLLOWING NECESSARY APPROVALS:

105.7.6.1(3) FOR FIRE ALARM INSTALLATION, MODIFICATION, OR INSPECTIONS ONE OR MORE OF THE FOLLOWING:

- 1. NATIONAL INSTITUTE OF CERTIFICATION IN ENGINEERING TECHNOLOGY (NICET) FIRE ALARM LEVEL II;
- 2. SUCCESSFUL COMPLETION OF LOCAL EXAM
- 3. OTHER CERTIFICATION ACCEPTABLE TO THE FIRE CODE OFFICIAL.

105.7.6.1.4. FOR FIRE SPRINKLER SYSTEM AND UNDERGROUND FIRE LINE INSTALLATION, MODIFICATION, OR INSPECTIONS ONE OR BOTH OF THE FOLLOWING:

- 1. SUCCESSFUL COMPLETION OF LOCAL EXAM
- 2. OTHER CERTIFICATION ACCEPTABLE TO THE FIRE CODE

OFFICIAL.

105.7.6.1.5. THE "COMPETENT ON-SITE PERSON" SHALL HAVE IN THEIR POSSESSION DOCUMENTATION OF THEIR QUALIFICATIONS AND A PICTURE I.D. THESE DOCUMENTS MUST BE PRESENTED TO THE FIRE CODE OFFICIAL OR DESIGNATED REPRESENTATIVE UPON REQUEST.

SECTION 108: BOARD OF APPEALS

Delete existing subsections 108.1, 108.2 and 108.3 in their entirety and replace with the following:

108.1 ADMINISTRATIVE APPEAL. Whenever a violation of this code has been found and the applicant wishes to appeal the decision of the staff because the code or the rules legally adopted there under have been incorrectly interpreted or an equivalent method of protection or safety is proposed, an appeal may be filed as follows:

1. The applicant shall file a written appeal, within ten (10) working days after receiving notice of the violation. The appeal shall be filed with the Building Official and a copy filed with the Fire Chief. At this time, the applicant may request an informal review before the Fire Code Official. If an informal review is not requested, the appeal shall be set before a hearing officer.
2. If an applicant requests an informal review, the review will be heard by the Fire Code Official or his designee within 15 working days after the request is filed. The chief, or an authorized representative, may use a Committee consisting of such staff as is deemed appropriate to provide advice on a particular request for informal review.
3. The applicant shall provide specific information on the basis for the appeal and the relief requested.
4. If the informal review upholds the decision of the Fire Official, the applicant shall, within ten (10) working days following the informal review, either comply with the requirement(s) of the fire code or request a hearing by a hearing officer.

108.2 Hearing Officer. Refer to the ~~2006 International Building Code, Section 112 and Appendix B, as adopted and amended by the ORDINANCE §90.1 FOR APPEAL PROCESS AS ADOPTED BY THE Council of the City of El Mirage.~~

SECTION 109: VIOLATIONS

~~**Section 109.4 Violation penalties VIOLATION – CIVIL OR CRIMINAL INFRACTION.** Persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter, repair or do work in violation of the approved construction documents or directive of the fire code official, or of a permit or certificate used under provisions of this code, shall be guilty of a [] punishable by a fine of not more than [] dollars or by imprisonment not exceeding [], or both such fine and imprisonment. Each day that a violation continues after due notice has been served shall be deemed a separate offense. A violation of any provision of this code as adopted and amended by the Council of the City of El Mirage (hereinafter referred to as the "Fire Code of the City of El Mirage") may be cited by the fire chief or his/her designee, a code enforcement officer, or any other person designated by the City Manager, as either a civil infraction or class one misdemeanor offense. Each day that a violation continues after due notice has been served, with reasonable opportunity to abate the violation, shall be deemed a separate offense.~~

109.4.2 Penalty – Civil Infraction. A civil infraction shall be heard by the hearing officer appointed to hear appeals of notices of abatement and removal. Any person found responsible by the hearing officer for a civil infraction of the Technical Codes of the City of El Mirage shall be

subject to a fine of not less than Five Hundred Dollars or more than One Thousand Dollars for the first offense; not less than One Thousand Dollars or more than Two Thousand Five Hundred Dollars for a second offense (even if the second offense is a different offense from the first offense); and not less than Two Thousand Five Hundred Dollars or more than Five Thousand Dollars for a third and all subsequent offenses (even if the third or subsequent offense is different from the first or second offense).

109.4.3 Penalty – Class One Misdemeanor. Any person found guilty of a criminal violation (Class One Misdemeanor) of the Fire Code of the City of El Mirage shall be punishable by imprisonment not to exceed one hundred eighty (180) days and/or a fine not to exceed Two Thousand Five Hundred Dollars (\$2,500.00), unless the violator is an enterprise in which case the fine shall not exceed Twenty Thousand Dollars (\$20,000.00). Each day that a violation continues after due notice has been served shall be deemed a separate offense.

SECTION 111 STOP WORK ORDER

111.4 Failure to comply. Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable to a fine of not less than FIVE HUNDRED (\$500) dollars or more than TWO THOUSAND FIVE HUNDRED (\$2,500) dollars, in addition to the penalty imposed for the original violation.

SECTION 202 General GENERAL DEFINITIONS

Commercial occupancy: Commercial occupancy is any building that falls under the International Building Code occupancy classification of A, B, E, F, H, I, M, R-1, R-2, R-4, and S

SECTION 307 OPEN BURNING, RECREATIONAL FIRES AND PORTABLE OUTDOOR FIREPLACES

307.1.1 Prohibited open burning. Open burning shall be prohibited when atmospheric conditions or local circumstances make such fires hazardous. BURNING OF TRASH AND LANDSCAPE WASTE IS PROHIBITED.

SECTION 308 OPEN FLAMES

308.1 GENERAL. OPEN FLAME, FIRE AND BURNING ON ALL PREMISES SHALL BE IN ACCORDANCE WITH SECTIONS 308.1.1 THROUGH 308.4.1 AND WITH OTHER APPLICABLE SECTIONS OF THIS CODE

308.1.1 WHERE PROHIBITED. A PERSON SHALL NOT TAKE OR UTILIZE AN OPEN FLAME OR LIGHT IN A STRUCTURE, VESSEL, BOAT OR OTHER PLACE WHERE HIGHLY FLAMMABLE, COMBUSTIBLE OR EXPLOSIVE MATERIAL IS UTILIZED OR STORED. LIGHTING APPLIANCES SHALL BE WELL-SECURED IN A GLASS GLOBE AND WIRE MESH CAGE OR A SIMILAR APPROVED DEVICE.

308.1.1.1 SKY LANTERNS. THE LIGHTING OF, AND THE RELEASE OF, SKY LANTERNS SHALL BE PROHIBITED.

308.3.2 Theatrical performances. Where approved, open-flame devices used in conjunction with theatrical performances are allowed to be used when adequate safety precautions have been taken in accordance with NFPA 160.

308.3.2.1 AUDIENCE CONTROL. The audience shall be at least 30 feet away from the closest projection of an open flame device. Audience control shall be established by use of a physical barrier which can be easily moved or removed in the event of an emergency and shall remain in place throughout the entire performance.

308.3.2.2 Attendant. Performances shall be constantly attended by a person knowledgeable in the use of a fire extinguisher at the rate of at least 1 attendant for every 2 active devices. Attendants shall remain at the performance until all the fire has been extinguished.

308.3.2.3 Fire extinguishers. Adequate fire extinguishing equipment including but not limited to buckets of water, water soaked rags, water extinguishers, charged hose lines, shall be readily available for use during the performance. Portable fire extinguishers shall be provided at a minimum of one 20BC extinguisher for every four simultaneous devices.

308.3.2.4 Clearance from Combustibles. A 25 foot clearance from all combustibles shall be maintained in all directions.

SECTION 311 Vacant Premises

311.2.2 Fire protection. Fire alarm, sprinkler and standpipe systems shall be maintained in an operable condition at all times.

DELETE EXCEPTIONS 1 AND 2

Exceptions:

- ~~1. When the premises have been cleared of all combustible materials and debris and, in the opinion of the fire code official, the type of construction, fire separation distance and security of the premises do not create a fire hazard.~~
- ~~2. Where buildings will not be heated and fire protection systems will be exposed to freezing temperatures, fire alarm and sprinkler systems are permitted to be placed out of service and standpipes are permitted to be maintained as dry systems (without an automatic water supply) provided the building has no contents or storage, and windows, doors and other openings are secured to prohibit entry by unauthorized persons.~~

SECTION 314 Indoor Displays

314.4 Vehicles. Liquid- or gas-fueled vehicles, boats or other motorcraft shall not be located indoors except as follows:

1. Batteries are disconnected.
2. Fuel in fuel tanks does not exceed one-quarter tank or 5 gallons (19 L) (whichever is least).
3. Fuel tanks and fill openings are closed and sealed to prevent tampering and the escape of vapors.
4. Vehicles, boats or other motorcraft equipment are not fueled or defueled within the building.

SECTION 319 HEAT-PRODUCING APPLIANCES

319.1 General. Heating appliances shall be installed and maintained in accordance with their listing and the Building, Electrical, and Mechanical codes. Clearance from combustible material shall be maintained as set forth in the Building and Mechanical codes and the product listing.

319.2 Clothes dryers. Clothes dryers shall be frequently cleaned to maintain the lint trap, mechanical and heating components free from excessive accumulations of lint.

EXCEPTION: Clothes dryers within private dwelling units of Group R occupancies.

SECTION 401 GENERAL

401.1 Scope. Reporting of emergencies, coordination with emergency response forces, emergency plans, and procedures for managing or responding to emergencies shall comply with the provisions of this section.

~~**Exception:** Firms that have approved on-premises fire-fighting organizations and that are in compliance with approved procedures for fire reporting.~~

401.5 Making false report. It shall be unlawful for a person to give, signal, or transmit a false alarm.

401.5(1) False Alarm Fees. When an alarm system generates more than two (2) false alarms within a three hundred sixty five (365) day period shall be billed according to the attached fee schedule.

SECTION 503 Fire Apparatus Access Roads

503.3 Marking. Where required by the fire code official, approved signs or other approved notices shall be provided for fire apparatus access roads to identify such roads or prohibit the obstruction thereof. Signs or notices shall be maintained in a clean and legible condition at all times and be replaced or repaired when necessary to provide adequate visibility. Every fire apparatus access roadway required under the authority of this section shall be posted with signs readable from either direction of travel and vertically installed at points not more than eighty (80) feet on center along the length of the required fire apparatus access roadway. Fire Lane signs, with indicating arrows, shall be posted at the beginning and end of each fire lane with the indicating arrow pointing in the direction of the fire lane. If the fire lane is intersected by a drive, then a two-way arrow shall be installed at that location. In lieu of signs the curb can be painted red and marked "NO PARKING FIRE LANE" in four (4) inch white block letters on the vertical face of the curb and spaced eighty (80) feet on center.

503.3(1) Maintenance. The person(s) in possession of the premises on and into which a fire apparatus access roadway is required shall be solely responsible for the maintenance of such roadways and all required signs. No owner, manager or other person(s) in charge of premises served by a required fire apparatus access roadway shall abandon or close the fire apparatus roadway or any part thereof without permission of the code official.

The person(s) in possession of the premises shall be responsible in ensuring that fire apparatus roadways are clear at all times.

~~**503.4 Obstruction of fire apparatus access roads.** Fire apparatus access roads shall not be obstructed in any manner, including the parking of vehicles. The minimum widths and clearances established in Section 503.2.1 shall be maintained at all times.~~

503.4 Obstruction of fire apparatus roads. The required width of any fire apparatus access roadway on City or private property shall not be obstructed in any manner, including the parking or stopping of any vehicle other than an authorized emergency vehicle. A vehicle parked illegally in a fire apparatus access roadway may be removed and impounded under the provisions of the El Mirage Code. An owner or operator of a vehicle parked illegally in a fire apparatus access roadway or the person responsible for any non-vehicular obstruction shall be guilty of a misdemeanor.

503.6 Security gates. The installation of security gates across a fire apparatus access road shall be approved by the fire chief. Where security gates are installed, they shall have an approved means of emergency operation. The security gates and the emergency operation shall be maintained operational at all times.

503.6.1 Gate Access. Information and Scaled Plans shall be

submitted to the Building department for a permit per El Mirage Fire Department Emergency Access Details

503.6.1.1 All gates limiting access will be required to Provide Emergency Access controls for Fire Department entry.

503.6.1.2 The gates shall be designed so that the access roadway or turning radius Wheel Base 50 (WB50) shall not be obstructed by the operation of the gate. Minimum set back from the public streets shall be a distance determined by the City Engineer and allow the emergency vehicle the ability to safely operate the lock box or panel. Turning radius from the public street shall be a minimum of WB50.

503.6.1.3 Clear width of the roadway shall be minimum of twenty (20) feet clear width on all entrances. Exit roadways shall be a minimum of sixteen (16) feet clear width or larger on all exits. Unless otherwise approved by the Fire Department.

503.6.1.4 Sub-divisions may have a divided entrance and exit gates. The entrance side shall have a clearance of twenty (20) feet clear width, the exit side sixteen (16) feet clear width.

503.6.1.5 Access controls shall be exterior to the gate and located for activation by the vehicle operator without dismounting from the vehicle per El Mirage Emergency Access details.

503.6.1.6 The lock box, padlock or key switch, must be an approved model utilized by the El Mirage Fire Department. Lock Box Authorized Forms may be picked up at the City of El Mirage Fire Department, Monday through Friday 8:00 am to 5:00 PM or online at www.cityofelmirage.org.

503.6.1.7 Battery back-up for all motorized gates is required, unless the gate fail safe (open) in the event of a power failure

503.6.1.8 Secondary "Exit Only" gates shall be set up for Fire Department emergency access. Exit only gates, which are not motorized, shall be installed per City of El Mirage Fire Department Standard detail. Details are available at the City of El Mirage Fire Department. Exit only gates shall have a minimum clearance of twenty (20) feet clear width and be posted with a sign that states "Caution Gate Opens Out." The ground shall be painted with a yellow strip showing the depth of the gate swing.

503.6.1.9 Operation at the gate shall be by pre-emption device and key switch.

SECTION 507 Fire Protection Water Supplies

507.5.1 Where required. Where a portion of the facility or building hereafter constructed or moved into or within the jurisdiction is more than ~~400 feet (122 m)~~ 300 FEET (91.5M) from a hydrant on a fire apparatus access road, as measured by an approved route around the exterior of the facility or building, on-site fire hydrants and mains shall be provided where required by the fire code official.

Exceptions:

1. For Group R-3 and Group U occupancies, the distance requirement shall be ~~600 feet (183 m)~~ 500 FEET (122M).
2. For buildings equipped throughout with an approved automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2, the distance requirement shall be ~~600 feet (183 m)~~.

507.5.2 Inspection, testing and maintenance. Fire hydrant systems shall be subject to periodic tests as required by the fire code official. Fire hydrant systems shall be maintained in an operative condition at all times and shall be repaired where defective. Additions, repairs, alterations and servicing shall comply with approved standards.

507.5.2.1 REQUIRED INSTALLATIONS. Fire hydrants installed as a result of any order or permit shall be spaced so that short hose lines can be employed and so there are a

sufficient number of fire hydrants within a reasonable distance to obtain the required fire flow as determined using Appendix B. In other than single family residential areas, hydrants shall be spaced so that they are not more than 300 feet (91.5m) apart. For single-family residential areas, hydrants shall be spaced so that they are not more than 500 feet (152.5m) apart and not more than 400 feet (122m) hose lay distance from any structure. Hydrant spacing and hose lay requirements may be modified by the code official when all structures are protected with automatic fire sprinkler systems in accordance with Section 903.3.1.1, 903.3.1.2 or 903.3.1.3

Private fire hydrants. All private fire hydrants (those not on the City of El Mirage water system and located on private property) must be flushed and maintained annually in accordance with the American Water Works Association, Manual of Water Supply Practices, Installation Field Testing and Maintenance of Fire hydrants, AWWA M17. Selected hydrants, as determined by the Fire Chief, shall be tested to determine Available Fire Flow according to test procedures outlined in the American Water Works Association Manual of Water Supply Practices, Distribution System Requirements for Fire Protection, AWWA M31.

Public Fire Hydrants. All public fire hydrants must be flushed and maintained annually in accordance with the American Water Works Association, Manual of Water Supply Practices, Installation Field Testing and Maintenance of Fire hydrants, AWWA M17. Selected hydrants, as determined by the Fire Chief, shall be tested to determine Available Fire Flow according to test procedures outlined in the American Water Works Association Manual of Water Supply Practices, Distribution System Requirements for Fire Protection, AWWA M31.

SECTION 509 Fire Department Access to Equipment

Section 509.1 Identification. Fire protection equipment shall be identified in an approved manner. Rooms containing controls for air-conditioning systems, sprinkler risers and valves, or other fire detection, suppression or control elements shall be identified for the use of the fire department. Approved signs required to identify fire protection equipment and equipment location, shall be constructed of durable materials, permanently installed and readily visible.

Section 509.3 FIRE EQUIPMENT ROOM. THE FIRE ALARM CONTROL PANEL AND THE FIRE SPRINKLER RISER SHALL BE LOCATED IN A SEPARATE ROOM ACCESSIBLE FROM THE OUTSIDE OF THE BUILDING AND IDENTIFIED WITH LETTERS (MINIMUM OF 4" IN HEIGHT) CONTRASTING WITH THE BACKGROUND COLOR.

SECTION 511: FIRE FIGHTERS AIR SYSTEMS

All buildings having floors used for human occupancy located five (5) stories or more above or below the lowest level of fire department vehicular access shall be equipped with an approved rescue air replenishment system. Such system shall provide an adequate pressurized air supply through permanent piping system for the replenishment of self-contained breathing apparatus carried by fire suppression, rescue and other personnel in the performance of their duties. Location and specification of access stations, and the installation of such air replenishment system shall be made in accordance with the requirements and standards of the fire chief.

SECTION 901: General

Section 901.2.2 PLANS FOR FIRE SPRINKLER SYSTEMS. Complete plans and hydraulic calculations for fire sprinkler systems installations shall be submitted for review and approval prior to beginning installation, modification or alteration OF THE SYSTEMS. Plans shall be drawn to an indicated scale, on sheets of uniform size and shall show, as a minimum

the data required by NFPA 13-2002. Water supply data for hydraulic calculations shall be based the available water supply as determined by flow test information with a 10 psi safety factor. An additional copy of these plans shall be submitted in an electronic format suitable to the fire department.

Section 901.2.3 Fire alarm Plan submittals. Shall be in accordance with the standard plan review format as provided by the Arizona Automatic Fire Alarm Association. Sprinkler Plan submittals shall be in accordance with the standard plan submittal as provided by the Arizona Fire Marshals Association.

Section 901.2.4 Plan Certification for fire alarms and occupant notification. All fire alarm and occupant notification system plans shall be designed by a professional registrant in accordance with the Arizona Board of Technical Registration. Fire alarm installation drawings shall bear a review certification of a minimum NICET Level III in Fire Alarms.

Section 901.2.5 Plan certification for fire sprinkler systems. All fire sprinkler system plans shall be designed by a professional registrant in accordance with the Arizona Board of Technical Registration. Fire sprinkler system installation drawings shall bear a review certification of a minimum NICET Level III in Fire sprinkler systems.

901.2.6 Plan certification for all other fire protection systems. Plan certification for all other fire protection systems will be accompanied by a certification of competence when required.

901.2.7 On-Site Plans. Plans and specifications shall be submitted to the fire department for review and approval prior to construction. One set of fire department approved plans shall be on the job site for each inspection.

901.2.8 Testing. All fire protection systems and fire extinguishers (fire alarms; fire hydrants; fire sprinklers; standpipes; Halon systems and other special types of automatic fire extinguishing systems; basement pipe inlets; and other fire-protection systems and appurtenances) shall be tested annually or as required by nationally recognized standards. System test certification shall be retained by the occupant of the building where the system is located and a copy mailed to the El Mirage Fire Department, Fire Prevention Division. These systems shall be inspected, tested and maintained by a contractor holding a permit from the City of El Mirage Fire Prevention Division.

Section 904.1.1.1 Qualifications of Testing Personnel. All permitted personnel must meet one or more of the qualifications listed in section 105.7.6.1.

901.7 Systems out of service. Where a required fire protection system is out of service, the fire department and the fire code official shall be notified immediately and, where required by the fire code official, the building shall either be evacuated or an approved fire watch shall be provided for all occupants left unprotected by the shut down until the fire protection system has been returned to service. Where utilized, fire watches shall be provided with at least one approved means for notification of the fire department and their only duty shall be to perform constant patrols of the protected premises and keep watch for fires.

No required fire sprinkler system or fire alarm system shall be placed out of service for more than 8 hours in any one day without written authorization by the fire code official.

SECTION 903: Automatic Sprinkler Systems

903.2 Where required. Approved automatic sprinkler systems in new buildings and structures shall be provided in the locations described in this section.

All commercial occupancies for which a building or construction permit is obtained shall be equipped throughout the entire structure with a fully automatic sprinkler system meeting the requirements of NFPA 13 and occupant notification meeting the requirements of NFPA 72.

Existing occupancies will not require retrofitting of the fire sprinkler system to code

standards unless:

1. Structure fire resistance is decreased; or
2. Building area is enlarged and the total square foot of the building is increased to more than two thousand five hundred (2500) square feet; or
3. Building occupant load is increased; or
4. Building occupancy classification is changed to a more hazardous occupancy.
5. Buildings having a fire or other casualty damages exceeding fifty percent (50%) of their fair market valuation at the time of the fire or other damage will require retrofitting of sprinkler systems.

Unless otherwise required by the Fire Code, vehicle parking, gasoline dispensing island canopies, and porte cocheres attached to or within three (3) feet of a building shall have automatic fire sprinkler installation.

EXCEPTION: Unattached outer buildings two-hundred (200) square feet or less do not require fire sprinklers. Unattached outer buildings of two hundred (200) square feet or less shall be located three (3) feet or more from any structure on the property.

Exception: Spaces or areas in telecommunications buildings used exclusively for telecommunications equipment, associated electrical power distribution equipment, batteries and standby engines, provided those spaces or areas are equipped throughout with an automatic fire alarm system and are separated from the remainder of the building by fire barriers consisting of not less than 1-hour fire-resistance-rated walls and 2-hour fire-resistance-rated floor/ceiling assemblies.

~~**903.2.2 Group E.** An automatic sprinkler system shall be provided for Group E occupancies as follows:~~

- ~~1. Throughout all Group E fire areas greater than 20,000 square feet (1858 m²) in area.~~
- ~~2. Throughout every portion of educational buildings below the level of exit discharge.~~

~~**Exception:** An automatic sprinkler system is not required in any fire area or area below the level of exit discharge where every classroom throughout the building has at least one exterior exit door at ground level.~~

903.2.3 GROUP E. An automatic fire sprinkler system shall be provided throughout all Group E Occupancies.

903.2.8 Group R. An automatic sprinkler system installed in accordance with Section 903.3 shall be provided throughout all buildings with a Group R fire area.

EXCEPTION: ONE AND TWO FAMILY DWELLINGS

903.2.8.3 Group R Division 4. All NEW Group R Division 4 occupancies licensed by the Department of Health Services for more than five (5) residents or day care shall be required to install a residential fire sprinkler system for the livable AREA of the building. If any portion of a patio has livable space directly above the patio, the patio shall have sprinkler protection below

the livable space.

903.2.8.4 Any NEW Group R-4 facility licensed for more than five (5) beds.

SECTION 907 FIRE ALARM AND DETECTION SYSTEMS

Section 907.2.1 Group A. A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group A occupancies where the occupant load due to the assembly occupancy is 300 or more. **IN A-2 NIGHTCLUBS HAVING AN OCCUPANT LOAD OF 100 OR MORE.** Group A occupancies not separated from one another in accordance with Section 707.3.9 shall be considered as a single occupancy for the purposes of applying this section. Portions of Group E occupancies occupied for assembly purposes shall be provided with a fire alarm system as required for the Group E occupancy. **Exception:** Manual fire alarm boxes are not required where the building is equipped throughout with an *automatic sprinkler system* installed in accordance with Section 903.3.1.1 and the occupant notification appliances will activate throughout the notification zones upon sprinkler waterflow.

SECTION 907.2.1.3 SYSTEM RESPONSE IN A-2 NIGHTCLUBS. AN ACTIVATION OF THE FIRE ALARM SYSTEM SHALL AUTOMATICALLY:

- 1. CAUSE ILLUMINATION OF THE MEANS OF EGRESS WITH LIGHT OF NOT LESS THAN 1 FOOT CANDLE (11 LUX) AT THE WALKING SURFACE LEVEL;**
- 2. STOP ALL CONFLICTING OR CONFUSING SOUNDS AND VISUAL DISTRACTIONS; AND**
- 3. ACTIVATION OF A PRE-RECORDED MESSAGE, CLEARLY AUDIBLE THROUGHOUT THE BUILDING.**

SECTION 2604: Fire Safety Requirements

2604.2.6 Fire extinguisher. A minimum of one portable fire extinguisher complying with Section 906 and with a minimum 2-A:20-B:C rating shall be readily accessible within 30 feet (9144 mm) of the location where hot work is performed and shall be accessible without climbing stairs or ladders.

SECTION 5001: General

~~5001.5.1 Hazardous Materials Management Plan.~~

~~Where required by the fire code official, each application for a permit shall include a Hazardous Materials Management Plan (HMMP). The HMMP shall include a facility site plan designating the following:~~

- ~~1. Storage and use areas.~~
- ~~2. Maximum amount of each material stored or used in each area.~~
- ~~3. Range of container sizes.~~
- ~~4. Locations of emergency isolation and mitigation valves and devices.~~
- ~~5. Product conveying piping containing liquids or gases, other than utility-owned fuel gas lines and low-pressure fuel gas lines.~~

- ~~6. On and off positions of valves for valves that are of the self-indicating type.~~
- ~~7. Storage plan showing the intended storage arrangement, including the location and dimensions of aisles.~~
- ~~8. The location and type of emergency equipment. The plans shall be legible and drawn approximately to scale. Separate distribution systems are allowed to be shown on separate pages.~~

~~**5001.5.2 Hazardous Materials Inventory Statement (HMIS).** Where required by the fire code official, an application for a permit shall include an HMIS, such as SARA (Superfund Amendments and Reauthorization Act of 1986) Title III, Tier II Report, or other approved statement. The HMIS shall include the following information:~~

- ~~1. Manufacturer's name.~~
- ~~2. Chemical name, trade names, hazardous ingredients.~~
- ~~3. Hazard classification.~~
- ~~4. MSDS or equivalent.~~
- ~~5. United Nations (UN), North America (NA) or the Chemical Abstract Service (CAS) identification number.~~
- ~~6. Maximum quantity stored or used on-site at one time.~~
- ~~7. Storage conditions related to the storage type, temperature and pressure.~~

5001.5.1 HAZARDOUS MATERIALS MANAGEMENT PLAN. WHEN REQUIRED BY THE FIRE CODE OFFICIAL, EACH APPLICATION FOR A PERMIT SHALL INCLUDE A HAZARDOUS MATERIALS MANAGEMENT PLAN (HMMP). THE HMMP SHALL INCLUDE A FACILITY SITE PLAN AND INCLUDE THE INFORMATION SET FORTH BELOW.

HMMP SHALL BE SUBMITTED ANNUALLY NO LATER THAN MARCH 1ST OF EACH CALENDAR YEAR OR MORE OFTEN IF THE HAZARDOUS MATERIAL AMOUNTS CHANGE BY GREATER THAN 10% IN ANY SINGLE CATEGORY OR OVERALL. THE SUBMITTAL SHALL BE REQUIRED TO DETERMINE FIRE CODE PERMITTING CRITERIA FOR STORAGE, USE, AND/OR HANDLING OF HAZARDOUS MATERIALS WITHIN THE CITY OF EL MIRAGE.

1. STORAGE AND USE AREAS.
2. MAXIMUM AMOUNT OF EACH MATERIAL STORED OR USED IN EACH AREA.
3. RANGE OF CONTAINER SIZES
4. LOCATIONS OF EMERGENCY ISOLATION AND MITIGATION VALVES AND DEVICES.
5. PRODUCT CONVEYING PIPING CONTAINING LIQUIDS OR GASES, OTHER THAN UTILITY-OWNED FUEL GAS LINES AND LOW PRESSURE FUEL GAS LINES.
6. ON AND OFF POSITIONS OF VALVES FOR VALVES THAT ARE OF THE SELF INDICATING TYPE.
7. STORAGE PLAN SHOWING THE INTENDED STORAGE ARRANGEMENT, INCLUDING THE LOCATION AND DIMENSIONS OF AISLES.

8. THE LOCATION AND TYPE OF EMERGENCY EQUIPMENT. THE PLANS SHALL BE LEGIBLE AND DRAWN APPROXIMATELY TO SCALE. SEPARATE DISTRIBUTION SYSTEMS ARE ALLOWED TO BE SHOWN ON SEPARATE PAGES.
9. A HMIS AS DESCRIBED IN 2702.5.2 MUST ALSO BE SUBMITTED AS PART OF THE HMMP.

5001.5.2 Hazardous Materials Inventory Statement (HMIS). Where required by the fire code official, an application for a permit shall include an HMIS, such as SARA (Superfund Amendments and Reauthorization Act of 1986) Title III, Tier II Report, or other approved statement. The HMIS shall include the information set forth below.

A HMIS shall be submitted annually no later than March 1st of each calendar year or more often if the hazardous material amounts change by greater than 10% in any single category or overall. HMIS shall be submitted electronically in a format acceptable to the El Mirage Fire Department. The submittal shall be required to determine Fire Code Permitting criteria for storage, use, and/or handling of hazardous materials within the City of El Mirage.

1. Manufacturer's name.
2. Chemical name, trade names, hazardous ingredients.
3. Hazard classification.
4. MSDS or equivalent.
5. United Nations (UN), North America (NA) or the Chemical Abstract Service identification number.
6. Maximum quantity stored or used on site at one time.
7. Storage conditions related to the storage type, temperature and pressure.
8. Storage plan showing the intended storage arrangement, including the location and dimensions of aisles.

SECTION 5601: Explosives and Fireworks

DELETE 5601.2.2

5601.2.2 SALE AND RETAIL DISPLAY

IN ACCORDANCE WITH ORDINANCE NO. O10-10-17, THE SALE, USE, AND RETAIL DISPLAY OF CONSUMER FIREWORKS IS REGULATED UNDER EI MIRAGE CITY CODE, CHAPTER 95, PUBLIC SAFETY, ARTICLE I, FIRE.

SECTION 5704: Storage

5704.2.9.6.1 Locations where above-ground tanks are prohibited. Storage of Class I and II liquids in above-ground tanks outside of buildings is prohibited within the limits established by law as the limits of districts in which such storage is prohibited WITHIN THE CITY OF EL MIRAGE.

SECTION 5706 Special Operations

5706.2.4.4 Locations where above-ground tanks are prohibited. The storage of Class I and II liquids in above-ground tanks is prohibited within the limits established by law as the limits of districts in which such storage is prohibited IN THE CITY OF EL MIRAGE.

APPENDIX D

SECTION 104.1 BUILDINGS EXCEEDING 30 FEET (9144 MM) IN HEIGHT ABOVE THE LOWEST LEVEL OF FIRE DEPARTMENT ACCESS SHALL MEET THE REQUIREMENTS LISTED IN SECTION D104.

EXCEPTION: APARTMENT BUILDINGS EQUIPPED WITH AN NFPA 13R SPRINKLER SYSTEM.

PERMIT AND SERVICE FEES ORDINANCE

PURPOSE: THE PURPOSE OF THIS ORDINANCE IS TO ESTABLISH FEES FOR SPECIFIC FIRE CODE PERMITS AS DEFINED IN THE INTERNATIONAL FIRE CODE, AS ADOPTED BY THIS JURISDICTION AND FOR THE ESTABLISHMENT OF FEES FOR SERVICE PERFORMED BY THE FIRE DEPARTMENT.

DEFINITIONS: ALL TERMINOLOGY NOT DEFINED IN THIS CHAPTER SHALL BE DEFINED AS STATED IN THE INTERNATIONAL FIRE CODE AS ADOPTED BY THIS JURISDICTION.

OPERATIONAL PERMIT FEES

PERMITS (SECTION 105.6)	PERMIT FEE
AEROSOL PRODUCTS	50.00
AVIATION FACILITIES	50.00
AMUSEMENT BUILDINGS	300.00
CARNIVALS & FAIRS	200.00
CELLULOSE NITRATE FILM	50.00
COMBUSTIBLE FIBER STORAGE	50.00
COMPRESSED GASES	50.00
COVERED MALL BUILDINGS	100.00
CRYOGENIC FLUIDS	50.00
CUTTING & WELDING	50.00
DRY CLEANING PLANTS	50.00
EXHIBITS & TRADE SHOWS	200.00
EXPLOSIVES	50.00
FIRE HYDRANTS/VALVES (OPERATION OR USE)	50.00
FIRE PROTECTION CONTRACTOR	\$75
FLAMMABLE OR COMBUSTIBLE LIQUIDS; PIPELINES, STORE, HANDLE, USE	250.00
FLOOR FINISHING	
FRUIT RIPENING	50.00
FUMIGATION & THERMAL INSECTICIDAL FOGGING	75.00
HAZARDOUS MATERIALS (USE, STORAGE, DISPENSING, ETC. (SEE 105.6.20.1 FOR GROUP DEFINITIONS))	GROUP 0 = NO FEE GROUP 1 = \$150.00 (ONE TIME) GROUP 2 = \$300.00 (ANNUALLY) GROUP 3 = \$500.00 (ANNUALLY)
HPM FACILITIES	\$500.00
HIGH-PILED COMBUSTIBLE STORAGE	50.00
HOT WORK OPERATIONS	50.00
INDUSTRIAL OVENS	50.00
LIQUEFIED PETROLEUM GASES; STORE, USE, HANDLE, DISPENSE	50.00
LIQUEFIED PETROLEUM GAS EXCHANGE STATIONS ANY AMOUNT	50.00
MAGNESIUM WORKING	50.00
MISCELLANEOUS COMBUSTIBLE STORAGE >2,500 CU. FT.	50.00
OPEN BURNING	50.00
OPEN FLAMES & TORCHES	50.00
OPEN FLAMES & CANDLES	50.00
ORGANIC COATINGS	50.00
PLACES OF PUBLIC ASSEMBLY	100.00
PYROTECHNIC SPECIAL EFFECTS	300.00
PYROXYLIN PLASTICS	50.00
REFRIGERATION EQUIPMENT	50.00
REPAIR GARAGES & MOTOR FUEL	50.00

DISPENSING FACILITIES	
ROOFTOP HELIPORTS	50.00
SPRAYING OR DIPPING	50.00
STORAGE OF SCRAP TIRES & BYPRODUCTS	50.00
TEMPORARY MEMBRANE STRUCTURES & CANOPIES	80.00
TIRE REBUILDING PLANTS	50.00
WASTE HANDLING (JUNK YARDS, WRECKING YARDS, WASTE-MATERIAL HANDLING FACILITIES)	50.00
STORAGE OF WOOD PRODUCTS > 200 CU. FT.	50.00

CONSTRUCTION PERMIT FEES

PERMITS (SECTION 105.7)	PERMIT FEE
AUTOMATIC FIRE-EXTINGUISHING SYSTEMS (Incl. Hood Systems)	375.00
BATTERY SYSTEMS	50.00
COMPRESSED GASES	250.00
FIRE ALARM/DETECTION SYSTEMS AND RELATED EQUIPMENT	450.00
FIRE PUMPS AND RELATED EQUIPMENT	150.00
FLAMMABLE & COMBUSTIBLE LIQUIDS	360.00
HAZARDOUS MATERIALS	211.00
INDUSTRIAL OVENS	50.00/OVEN
LP-GAS	217.00/TANK
SPRAYING OR DIPPING	150.00/BOOTH
STANDPIPE SYSTEMS	50.00
TEMPORARY MEMBRANE STRUCTURES, TENTS, CANOPIES	80.00

MISCELLANEOUS FEES

ACTIVITY	FEE
FALSE ALARM FEES (AFTER 2 ND FALSE ALARM)	\$150.00
FALSE ALARM FEES (AFTER 5 TH FALSE ALARM)	\$340.00
FALSE ALARM FEES (AFTER 9 TH FALSE ALARM)	\$700.00
FIRE FLOW TEST	50.00

**Amendments to the
2012 International Fuel Gas Code
City of El Mirage**

The following sections, paragraphs, and sentences of the *2012 International Fuel Gas Code* are hereby amended as follows: Standard type (*including italics*) is text from the IFGC. CAPITALIZED type is text inserted. ~~Lined through~~ type is deleted text from IFGC.

SECTION 101 GENERAL

Section 101.1 Title. These regulations shall be known as the *International Fuel Gas Code* of ~~[NAME OF JURISDICTION]~~ **CITY OF EL MIRAGE** hereinafter referred to as "this code."

SECTION 106 PERMITS

Section 106.6.1 Work commencing before permit issuance. Any person who commences any work on an installation before obtaining the necessary permits shall be subject to ~~100 percent of the usual permit fee in addition to the required permit fees.~~ **FEES AS PROVIDED IN THE CURRENTLY ADOPTED EL MIRAGE FEE SCHEDULE.**

Section 106.6.2 Fee schedule. The fees for work shall be as indicated in the following schedule: ~~[JURISDICTION TO INSERT APPROPRIATE SCHEDULE]~~ **FEES AS PROVIDED IN THE CURRENTLY ADOPTED EL MIRAGE FEE SCHEDULE**

Section 106.6.3 Fee refunds. The code official shall authorize the refunding of fees as follows:

- ~~1. The full amount of any fee paid hereunder that was erroneously paid or collected.~~
- ~~2. Not more than [SPECIFY PERCENTAGE] zero percent of the permit fee paid when no work has been done under a permit issued in accordance with this code.~~
- ~~3. Not more than [SPECIFY PERCENTAGE] fifty percent of the plan review fee paid when an application for a permit for which a plan review fee has been paid is withdrawn or canceled before any plan review effort has been expended.~~ **ACCORDING TO PROVISIONS IN THE EL MIRAGE CITY CODE § 150.999.**

The code official shall not authorize the refunding of any fee paid except upon written application filed by the original permittee not later than 180 days after the date of fee payment.

SECTION 108 VIOLATIONS

Section 108.4 Violations penalties. Any person who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter or repair work in violation of the approved construction documents or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall be guilty of a ~~[SPECIFY OFFENSE]~~ **CLASS ONE MISDEMEANOR**, punishable by a fine of not more than ~~[AMOUNT]~~ dollars or by imprisonment not exceeding ~~[NUMBER OF DAYS]~~, or both such fine and imprisonment. **BY A FINE AS SPECIFIED IN THE EL MIRAGE CITY CODE §150.999.** Each day that a violation continues after due notice has been served shall be deemed a separate offense.

Section 108.5 Stop work orders. Upon notice from the code official that work is being done contrary to the provisions of this code or in a dangerous or unsafe manner shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, or to the owner's agent, or to the person doing the work. The notice shall state the conditions under which work is authorized to resume. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping the work. Any person who

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shall continue any work in or about the structure after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable to a fine of not less than [AMOUNT] dollars or more than [AMOUNT] dollars. **FOR A FINE AS SPECIFIED IN THE EL MIRAGE CITY CODE.**

SECTION 109 MEANS OF APPEAL. Delete Section entirely.

Section 109 Means Of Appeal. EL MIRAGE CITY CODE §96.01 OUTLINES THE APPEAL PROCESS.

END

Exhibit A

**Amendments to the
2012 International Green Construction Code
(Voluntary Code)
City of El Mirage**

The following sections, paragraphs, and sentences of the *2012 International Green Construction Code* are hereby amended as follows: Standard type (*including italics*) is text from the IgCC. CAPITALIZED type is text inserted. ~~Lined through~~ type is deleted text from IgCC.

SECTION 101 GENERAL

Section 101.1 Title. These **VOLUNTARY** regulations shall be known as the *International Green Construction Code* of ~~[NAME OF JURISDICTION]~~ **THE CITY OF EL MIRAGE** hereinafter referred to as “this code.”

SECTION 108 MEANS OF APPEAL *Delete entirely*

Section 108. EL MIRAGE CITY CODE §96.01 OUTLINES THE APPEAL PROCESS.

END

**Amendments to the
2012 International Mechanical Code
City of El Mirage**

The following sections, paragraphs, and sentences of the *2012 International Mechanical Code* are hereby amended as follows: Standard type (*including Italics*) is text from the IMC. **CAPITALIZED** type is text inserted. ~~Lined through~~ type is deleted text from IMC.

SECTION 101 GENERAL

Section 101.1 Title. These regulations shall be known as the *International Mechanical Code* of ~~[NAME OF JURISDICTION]~~ **CITY OF EL MIRAGE** hereinafter referred to as “this code.”

SECTION 106 PERMITS

Section 106.5.1 Work commencing before permit issuance. Any person who commences any work on a mechanical system before obtaining the necessary permits shall be subject to 100 percent of the usual permit fee in addition to the required permit fees **AS PROVIDED IN THE CITY OF EL MIRAGE CURRENTLY ADOPTED FEE SCHEDULE.**

Section 106.5.2 Fee schedule. The fees for all mechanical work shall be as indicated in the following schedule:

~~[JURISDICTION TO INSERT APPROPRIATE SCHEDULE]~~ **FEES AS PROVIDED IN THE CURRENTLY ADOPTED CITY OF EL MIRAGE FEE SCHEDULE.**

Section 106.5.3 Fee refunds. The code official shall authorize the refunding of fees as follows:

- ~~1. The full amount of any fee paid hereunder that was erroneously paid or collected.~~
- ~~2. Not more than [SPECIFY PERCENTAGE] percent of the permit fee paid when no work has been done under a permit issued in accordance with this code.~~
- ~~3. Not more than [SPECIFY PERCENTAGE] percent of the plan review fee paid when an application for a permit for which a plan review fee has been paid is withdrawn or canceled before any plan review effort has been expended.~~ **PER THE CURRENTLY ADOPTED FEE SCHEDULE.**

The code official shall not authorize the refunding of any fee paid except upon written application filed by the original permittee not later than 180 days after the date of fee payment.

SECTION 108 VIOLATIONS

Section 108.4 Violations penalties. Any person who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter or repair mechanical work in violation of the approved construction documents or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall be guilty of a ~~[SPECIFY OFFENSE],~~ **MISDEMEANOR** punishable by a fine of not more than ~~[AMOUNT]~~ dollars or by imprisonment not exceeding ~~[NUMBER OF DAYS],~~ or both such fine and imprisonment. **AS OUTLINED IN THE EL MIRAGE CITY CODE §150.999.** Each day that a violation continues after due notice has been served shall be deemed a separate offense.

Section 108.5 Stop work orders. Upon notice from the code official that mechanical work that is being done contrary to the provisions of this code or in a dangerous or unsafe manner shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, or to the owner’s agent, or to the person doing the work. The notice shall state the conditions under which work is authorized to resume. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping the work. Any person who

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shall continue any work in or about the structure after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable to a fine of not less than [AMOUNT] dollars or more than [AMOUNT] dollars. **AS OUTLINED IN THE EL MIRAGE CITY CODE §150.999.**

SECTION 109 MEANS OF APPEAL. Delete Entirely

Section 109 EL MIRAGE CITY CODE §96.01 OUTLINES THE APPEAL PROCESS.

SECTION 301 GENERAL

Section 301.19 Required Heating and Cooling. Every occupiable, enclosed building shall be provided with heating and cooling. These active or passive space-heating or space-cooling systems shall be capable of maintaining temperatures between 68 degrees F (heating) and 85 degrees F (cooling) at a point 3 feet above floor. Systems for new construction shall be designed for interior temperatures used for heating and cooling load calculations shall be a maximum of 72 degrees F for heating and 75 degrees for cooling.

SECTION 918 FORCED AIR WARM AIR FURNACES

Section 918.1.2 TOTAL ELECTRIC HEATING: PRIMARY CENTRAL HEATING AND COOLING FORCED AIR SYSTEMS UTILIZING ONLY ELECTRIC HEAT SHALL UTILIZE HEAT PUMPS.

END

**Amendments to the
2012 International Plumbing Code
City of El Mirage**

The following sections, paragraphs, and sentences of the *2012 International Plumbing Code* are hereby amended as follows: Standard type (*including italics*) is text from the IPC. **CAPTIALIZED** type is text inserted. ~~Lined through~~ type is deleted text from IPC.

SECTION 101 GENERAL

Section 101.1 Title. These regulations shall be known as the *International Plumbing Code* of [NAME OF JURISDICTION] CITY OF EL MIRAGE hereinafter referred to as “this code.”

SECTION 106.6 FEES

Section 106.6.1 Work commencing before permit issuance. Any person who commences any work on a plumbing system before obtaining the necessary permits shall be subject to ~~100 percent of the usual permit fee in addition to the required permit fees.~~ **FEES AS PROVIDED IN THE CURRENTLY ADOPTED EL MIRAGE FEE SCHEDULE.**

Section 106.6.2 Fee schedule. ~~The fees for all plumbing work shall be as indicated in the following schedule: [JURISDICTION TO INSERT APPROPRIATE SCHEDULE]~~ **FEES AS PROVIDED IN THE CURRENTLY ADOPTED EL MIRAGE FEE SCHEDULE**

Section 106.6.3 Fee refunds. The code official shall authorize the refunding of fees as follows:

- ~~1. The full amount of any fee paid hereunder that was erroneously paid or collected.~~
- ~~2. Not more than [SPECIFY PERCENTAGE] percent of the permit fee paid when no work has been done under a permit issued in accordance with this code.~~
- ~~3. Not more than [SPECIFY PERCENTAGE] percent of the plan review fee paid when an application for a permit for which a plan review fee has been paid is withdrawn or canceled before any plan review effort has been expended.~~ **AS PROVIDED IN THE CURRENTLY ADOPTED EL MIRAGE FEE SCHEDULE**

The code official shall not authorize the refunding of any fee paid except upon written application filed by the original permittee not later than 180 days after the date of fee payment.

SECTION 108 VIOLATIONS

Section 108.4 Violations penalties. Any person who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter or repair plumbing work in violation of the approved construction documents or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall be guilty of a [SPECIFY OFFENSE], **CLASS ONE MISDEMEANOR** punishable by a fine of ~~not more than [AMOUNT] dollars or by imprisonment not exceeding [NUMBER OF DAYS], or both such fine and imprisonment~~ **AS SPECIFIED IN THE EL MIRAGE CITY CODE § 150.999.** Each day that a violation continues after due notice has been served shall be deemed a separate offense.

Section 108.5 Stop work orders. Upon notice from the code official, work on any plumbing system that is being done contrary to the provisions of this code or in a dangerous or unsafe manner shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, or to the owner’s agent, or to the person doing the work. The notice shall state the conditions under which work is authorized to resume. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping the work. Any person who shall continue any work in or about the structure after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe

condition, shall be liable to a fine of not less than [AMOUNT] dollars or more than [AMOUNT] dollars. **FOR A FINE AS SPECIFIED IN THE EL MIRAGE CITY CODE §150.999.**

SECTION 109 MEANS OF APPEAL Delete entire section.

Section 109. Means of Appeal. APPEAL PROCESS IS AS OUTLINED IN EL MIRAGE CITY CODE §96.01.

SECTION 305 PROTECTION OF PIPES AND PLUMBING SYSTEM COMPONENTS

Section 305.4.1 Sewer depth. Building sewers that connect to private sewage disposal systems shall be a minimum of [number] inches (mm) below finished grade at the point of septic tank connection. **BUILDING SEWERS SHALL BE A MINIMUM OF 12 INCHES (305 MM) BELOW GRADE.**

SECTION 312 TESTS AND INSPECTIONS

Section 312.2 Drainage and vent water test. A water test shall be applied to the drainage system either in its entirety or in sections. If applied to the entire system, all openings in the piping shall be tightly closed, except the highest opening, and the system shall be filled with water to the point of overflow. If the system is tested in sections, each opening shall be tightly plugged except the highest openings of the section under test, and each section shall be filled with water, but no section shall be tested with less than a 10-foot (3048 mm) **5 FOOT (1524 MM)** head of water. In testing successive sections, ~~at least the upper 10 feet (3048 mm) of the next preceding section~~ **A LOWEST OPENING HEAD TEST AT EACH FLOOR LEVEL IF MULTIPLE** floors shall be tested **AT THE PLUMBING ROUGH-IN INSPECTION.** and so that no joint or pipe in the building, except the uppermost 10 feet (3048 mm) of the system, shall have been submitted to a test of less than a 10-foot (3048 mm) head of water. This pressure test shall be held for not less than 15 minutes. ~~The system shall then be tight at all points.~~

Section 312.10.1 Inspections. Annual inspections shall be made of all backflow prevention assemblies and air gaps to determine whether they are operable. **IN THE ABSENCE OF LOCAL PROVISIONS, THE OWNER IS RESPONSIBLE TO ENSURE THAT TESTING IS PERFORMED.**

312.10.2 Testing. Reduced pressure principle backflow preventer assemblies, double check-valve assemblies, pressure vacuum breaker assemblies, reduced pressure detector fire protection backflow prevention assemblies, double check detector fire protection backflow prevention assemblies, hose connection backflow preventers, and spill-proof vacuum breakers shall be tested at the time of installation, immediately after repairs or relocation and at least annually. The testing procedure shall be performed in accordance with applicable local provisions. **IN THE ABSENCE OF LOCAL PROVISIONS, THE OWNER IS RESPONSIBLE TO ENSURE THAT TESTING IS DONE IN ACCORDANCE WITH** one of the following standards:

{list of standards unchanged}

SECTION 702 MATERIALS

Section 702.1 Above-ground sanitary drainage and vent pipe. Above-ground soil, waste and vent pipe shall conform to one of the standards listed in Table 702.1.

Table 702.1 ABOVE-GROUND DRAINAGE AND VENT PIPE

PIPE	STANDARD
Acrylonitrile butadiene styrene (ABS) plastic pipe in IPS diameters, including schedule 40, DR 22 (PS 200) and DR 24 (PS 140); with a solid cellular core or composite wall	ASTM D 2661; ASTM F 628; ASTM F 1488; CSA B181.1
Brass pipe	ASTM B 43

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Cast-iron pipe	ASTM A 74; CISPI 301; ASTM A 888
Copper or copper-alloy pipe	ASTM B 42; ASTM B 302
Copper or copper-alloy tubing (Type K, L, M or DWV)	ASTM B 75; ASTM B 88; ASTM B 251; ASTM B 306
Galvanized steel pipe	ASTM A 53
Polyolefin pipe	CSA B181.3
Polyvinyl chloride (PVC) plastic pipe in IPS diameters, including schedule 40, DR 22 (PS 200) and DR 24 (PS 140); with a solid cellular-core or composite wall	ASTM D 2665; ASTM F 891; CSA B181.2; ASTM F 1488
Polyvinyl chloride (PVC) plastic pipe with a 3.25 inch O.D. and a solid cellular-core or composite wall	ASTM D 2949; ASTM F 1488
Stainless steel drainage systems, Types 304 and 316L	ASME A 112.3.1

Section 702.2 Underground building sanitary drainage and vent pipe. Underground building sanitary drainage and vent pipe shall conform to one of the standards listed in Table 702.2.

TABLE 702.2 UNDERGROUND BUILDING DRAINAGE AND VENT PIPE

PIPE	STANDARD
Acrylonitrile butadiene styrene (ABS) plastic pipe in IPS diameters, including schedule 40, DR 22 (PS 200) and DR 24 (PS 140); with a solid cellular-core or composite wall	ASTM D 2661; ASTM F 628; ASTM F 1488; CSA B181.1
Asbestos-cement pipe	ASTM C 428
Cast-iron pipe	ASTM A 74; CISPI 301; ASTM A 888
Copper or copper alloy tubing (Type K, L, M or DWV)	ASTM B 75; ASTM B 88; ASTM B 251; ASTM B 306
Polyolefin pipe	ASTM F 1412; CSA B181.3
Polyvinyl chloride (PVC) plastic pipe in IPS diameters, including schedule 40, DR 22 (PS 200) and DR 24 (PS 140); with a solid cellular-core or composite wall	ASTM D 2665; ASTM F 891; ASTM F 1488; CSA B181.2
Polyvinyl chloride (PVC) plastic pipe with a 3.25 inch O.D. and a solid cellular-core or composite wall	ASTM D 2949; ASTM F 1488
Stainless steel drainage systems, Type 316L	ASME A 112.3.1

Section 702.3 Building sewer pipe. Building sewer pipe shall conform to one of the standards listed in Table 702.3.

TABLE 702.3 BUILDING SEWER PIPE

MATERIAL	STANDARD
Acrylonitrile butadiene styrene (ABS) plastic pipe in IPS diameters, including schedule 40, DR 22 (PS 200) and DR 24 (PS 140); with a solid, cellular-core or composite wall	ASTM D 2661; ASTM F 628; ASTM F 1488
Asbestos-cement pipe	ASTM C 428
Cast-iron pipe	ASTM A 74; ASTM A 888; CISPI 301

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Acrylonitrile butadiene styrene (ABS) plastic pipe in sewer and drain diameters, including SDR 42 (PS 20), PS35, SDR 35 (PS 45), PS50, PS100, PS140, SDR 23.5 (PS 150) and PS200; with a solid cellular core or composite wall	ASTM F 1488; ASTM D 2751
Polyvinyl chloride (PVC) plastic pipe in sewer and drain diameters, including PS 25, SDR 41 (PS 28), PS 35, SDR 35 (PS 46), PS 50, PS 100, SDR 26 (PS 115), PS140 and PS 200; with a solid cellular core or composite wall	ASTM F 891; ASTM F 1488; ASTM D 3034; CSA B182.2; CSA B182.4
Concrete pipe	ASTM C 14; ASTM C 76; CSA A257.1M; CSA A257.2M
Copper or copper-alloy tubing (Type K or L)	ASTM B 75; ASTM B 88; ASTM B 251
Polyethylene (PE) plastic pipe (SDR-PR)	ASTM F 714
Polyolefin pipe	ASTM F 1412; CSA B181.3
Polyvinyl chloride (PVC) plastic pipe in IPS diameters, including schedule 40, DR 22 (PS 200) and DR 24 (PS 140); with solid cellular core or composite wall	ASTM D 2665; ASTM D 2949; ASTM D 3034; ASTM F 1412; CSA B182.2; CSA B182.4
Polyvinyl chloride (PVC) plastic pipe with a 3.25 inch O.D. and a solid cellular core or composite wall	ASTM D 2949, ASTM F 1488
Stainless steel drainage systems, Types 304 and 316L	ASME A 112.3.1
Vitrified clay pipe	ASTM C 425; ASTM C 700

SECTION 903 VENT TERMINALS

Section 903.1 Roof extension. All open vent pipes that extend through a roof shall be terminated at least ~~[NUMBER]~~ **12 INCHES (305 MM)** above the roof, except that where a roof is to be used for any purpose other than weather protection, the vent extensions shall be run at least 7 feet (2134 mm) above the roof.

SECTION 918.3 AIR ADMITTANCE VALVES

Section 918.3 Where permitted. WHERE APPROVED BY THE CODE OFFICIAL, individual, *branch* and circuit vents shall be permitted to terminate with a connection to an individual or branch-type air admittance valve in accordance with Section 918.3.1. Stack vents and vent stacks shall be permitted to terminate to stack-type air admittance valves in accordance with Section 918.3.2

INTERNATIONAL PRIVATE SEWAGE DISPOSAL CODE (a sub-section of the International Plumbing Code) **Deleted in its entirety**

End

Exhibit A

**Amendments to the
2012 International Property Maintenance Code
City of El Mirage**

The following sections, paragraphs, and sentences of the *2012 International Property Maintenance Code* are hereby amended as follows: Standard type (*including italics*) is text from the IPC. CAPITALIZED TEXT is text inserted. Lined through type is deleted text from IPC.

SECTION 101 GENERAL

Section 101.1 Title. These regulations shall be known as the *International Property Maintenance Code* of ~~[NAME OF JURISDICTION]~~ CITY OF EL MIRAGE hereinafter referred to as "this code."

SECTION 111 MEANS OF APPEAL Delete entire section.

Section 111.1 APPEAL PROCESS IS AS OUTLINED IN EL MIRAGE CITY CODE §96.01.

SECTION 303 SWIMMING POOLS, SPAS AND HOT TUBS

Section 303.2 Enclosures. Delete entirely.

END

**Amendments to the
2012 International Residential Code
City of El Mirage**

The following sections, paragraphs, and sentences of the *2012 International Residential Code* are hereby amended as follows: Standard type (*including italics*) is text from the IRC. **CAPTIALIZED** type is text inserted. Lined through type is deleted text from IRC.

SECTION 101 GENERAL

Section R101.1 Title. These provisions shall be known as the *Residential Code for One- and Two-family Dwellings* of ~~[NAME OF JURISDICTION]~~ **CITY OF EL MIRAGE**, and shall be cited as such and will be referred to herein as “this code.”

SECTION 105 PERMITS

Section R105.2 Work exempt from permit. *Permits* shall not be required for the following. Exemption from permit requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any other laws or ordinances of this jurisdiction.

Building:

1. One-story detached *accessory structures* used as tool and storage sheds, playhouses and similar uses, provided the floor area does not exceed ~~200 square feet (18.58 m²).~~ **120 SQ. FT.**
2. ~~Fences not over 7-8 feet (2438mm) high.~~
3. ~~Retaining walls that are not over 4 feet (1219 mm) in height measured from the bottom of the footing to the top of the wall, unless supporting a surcharge.~~
4. Water tanks supported directly upon grade if the capacity does not exceed 5,000 gallons (18,927L) and the ratio of height to diameter or width does not exceed 2 to 1.
5. Sidewalks and driveways.
6. Painting, papering, tiling, carpeting, cabinets, counter tops and similar finish work.
7. Prefabricated swimming pools that are less than 24 inches (610 mm) deep.
8. Swings and other playground equipment.
9. Window awnings supported by an exterior wall which do not project more than 54 inches (1372 mm) from the exterior wall and do not require additional support.
10. Decks not exceeding 200 square feet (18.58m²) in area, that are not more than 30 inches (762 mm) above grade at any point, are not attached to a dwelling and do not serve the exit door required by Section R311.4.

SECTION 108 FEES

Section R108.3 Building permit valuations. Building permit valuation shall include total value of the work for which a permit is being issued, such as electrical, gas, mechanical, plumbing equipment and other permanent systems, including materials and labor. Final building permit valuation shall be set by the *building official* **IN ACCORDANCE WITH THE MOST CURRENT BUILDING VALUATION DATA AS PUBLISHED BY THE INTERNATIONAL CODE COUNCIL, ADOPTED EL MIRAGE VALUATION TABLE OR APPROVED STATEMENTS SUFFICIENT TO CLEARLY DOCUMENT ALL CONSTRUCTION COSTS.**

Section R108.4 Violations penalties. Any person who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter or repair work in violation of the approved construction documents or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall be guilty of a ~~[SPECIFY OFFENSE]~~ **CLASS ONE MISDEMEANOR**, punishable by a fine of not more than ~~[AMOUNT]~~ dollars or by imprisonment not exceeding ~~[NUMBER OF DAYS]~~, or both such fine and imprisonment. **AS COVERED BY**

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GENERAL PROVISIONS IN THE EL MIRAGE CITY CODE §150.999. Each day that a violation continues after due notice has been served shall be deemed a separate offense.

SECTION 109 MEANS OF APPEAL Delete entirely

Section 109 Means Of Appeal. EL MIRAGE CITY CODE § 96.01 OUTLINES THE APPEAL PROCESS.

SECTION 301 DESIGN CRITERIA

TABLE R301.2 (1) CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

GROUND SNOW LOAD	WIND DESIGN		SEISMIC DESIGN CATERGORY	SUBJECT TO DAMAGE FROM			WINTER DESIGN TEMP	ICE BARRIER UNDERLAYMENT REQUIRED	FLOOD HAZARD	AIR FREEZING INDEX	MEAN ANNUAL TEMP
	Speed	Topographic effects		Weathering	Frost line depth	Termite					
ZERO	90 mph	NO	B	Moderate	18"	Moderate to heavy	34°	NO	MCFCD Map 1605J	No Value	75°

SECTION 303 REQUIRED HEATING

Section 303.9.1 Required Cooling. Every occupiable, enclosed building shall be provided with heating and cooling. These active or passive space-heating or space-cooling systems shall be capable of maintaining temperatures between 68 degrees F (heating) and 85 degrees F (cooling) at a point 3 feet above floor. Systems for new construction shall be designed for interior temperatures used for heating and cooling load calculations shall be a maximum of 72 degrees F for heating and 75 degrees for cooling.

SECTION 313 ONE-AND-TWO FAMILY AUTOMATIC FIRE SPRINKLER SYSTEMS- DELETE ENTIRELY.

SECTION 315 CARBON MONOXIDE ALARMS

R315.1 Carbon monoxide alarms. For new construction, an approved carbon monoxide alarm shall be installed outside of each separate sleeping area in the immediate vicinity of the bedrooms in *dwelling units* within which fuel-fired *appliances* are installed and in dwelling units that have attached garages. **APPROVED ALARMS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER’S INSTALLATION INSTRUCTIONS OR LOCATED ON THE WALL AT A HEIGHT 42 TO 90 INCHES ABOVE FLOOR, AVOIDING LOCATIONS NEAR HEATING/COOLING VENTS OR AREAS WHICH PROVIDE TURBULENT AIRFLOW, AND MINIMUM 36 INCHES AWAY FROM OPENINGS TO AREAS OF HIGH HUMIDITY. AVOID INSTALLING CO ALARMS IN KITCHENS OR ABOVE FUEL-BURNING APPLIANCES.**

SECTION R 602 WOOD FRAMING

**TABLE R602.3 (1)
FASTENER SCHEDULE FOR STRUCTURAL MEMBERS**

ITEM	DESCRIPTION OF BUILDING ELEMENT	NUMBER AND TYPE OF FASTENER	SPACING OF FASTENER
5.	Rafter or roof truss to plate, toe nail	3-16d box nails (3 1/2" x .0135") or 3-40d common nails (3" x .0148")	2 toe nails on one side and one toe nail on opposite side of each rafter or truss.
5	Rafter or roof truss to plate, toe nail	Metal connector approved for this location- hurricane tie	One per truss end

SECTION 1102 BUILDING THERMAL ENVELOPE

**TABLE N1102.1.1 (R402.1.1)
INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT**

CLIMATE ZONE	FENESTRATION U-FACTOR	Skylight U-FACTOR	GLAZED FENESTRATION SHGC	CEILING R-VALUE	WOOD FRAME WALL R-VALUE	MASS WALL R-VALUE	FLOOR R-VALUE	BASEMENT WALL R-VALUE	SLAB R-VALUE & DEPTH	CRAWL SPACE WALL R-VALUE
2	0.65	0.75	0.35	30	13	4/6	13	0	0	0

SECTION N 1103 SYSTEMS

N1103.2.2 Sealing (Mandatory). Ducts, air handlers, and filter boxes shall be sealed. Joints and seams shall comply with Section M1601.4.1 of this code.

Exceptions:

1. Air-impermeable spray foam products shall be permitted to be applied without additional joint seals.
2. Where a duct connection is made that is partially inaccessible, three screws or rivets shall be equally spaced on the exposed portion of the joint so as to prevent a hinge effect.
3. Continuously welded and locking-type longitudinal joints and seams in ducts operating at static pressures less than 2 inches of water column (500 Pa) pressure classification shall not require additional closure systems.

Duct tightness shall be verified by either of the following:

1. Post-construction test: Total leakage shall be less than or equal to 4 cfm (113.3 L/min) per 100 square feet (9.29 m²) of conditioned floor area when tested at a pressure differential of 0.1 inches w.g. (25 Pa) across the entire system, including the manufacturer's air handler enclosure. All register boots shall be taped or otherwise sealed during the test.
2. Rough-in test: Total leakage shall be less than or equal to 4 cfm (113.3 L/min) per 100 ft² (9.29 m²) of conditioned floor area when tested at a pressure differential of 0.1 inches w.g. (25 Pa) across the system, including the manufacturer's air handler enclosure. All registers shall be taped or otherwise sealed during the test. If the air handler is not installed at the time of the test, total leakage shall be less than or equal to 3 cfm (85 L/min) per 100 square feet (9.29 m²) of conditioned floor area.

Exception: The total leakage test is not required for ducts and air handlers located entirely within the building thermal envelope.

EXCEPTION: THE TOTAL LEAKAGE TEST IS NOT REQUIRED FOR HOMEBUILDERS CONSTRUCTING FEWER THAN TWO HOMES ANNUALLY.

DUCT TESTING TO BE DONE BY A COMPANY/PERSON WHO IS CERTIFIED BY A RECOGNIZED ACCREDITATION ORGANIZATION AND THEIR EQUIPMENT BE RECERTIFIED ON AN ANNUAL BASIS. CONTRACTORS WHO CHOOSE NOT TO ATTAIN THE REQUIRED CERTIFICATION OR USE THE PROPER TESTING TOOLS WILL BE REQUIRED TO ENGAGE THE SERVICES OF A CERTIFIED TESTER.

M1402 CENTRAL FURNACES

M1402.4 TOTAL ELECTRIC HEATING. PRIMARY CENTRAL HEATING AND COOLING FORCED AIR SYSTEMS UTILIZING ONLY ELECTRIC HEAT SHALL UTILIZE HEAT PUMPS.

SECTION P3002 MATERIALS

P3002.1 Piping within buildings. Drain, waste and vent (DWV) piping in buildings shall be as shown in Tables P3002.1(1) and P3002.1(2) except that galvanized wrought-iron or galvanized steel pipe shall not be used underground and shall be maintained not less than 6 inches (152 mm) above ground. Allowance shall be made for the thermal expansion and contraction of plastic piping.

TABLE P3002.1(1) ABOVE-GROUND DRAINAGE AND VENT PIPE

PIPE	STANDARD
Acrylonitrile butadiene styrene (ABS) plastic pipe in IPS diameters, including schedule 40, DR 22 (PS 200) and DR 24 (PS 140); with a solid, cellular core or composite wall	ASTM D 2661; ASTM F 628; ASTM F 1488; CSA B181.1
Brass pipe	ASTM B 43
Cast-iron pipe	ASTM A 74; CISPI 301; ASTM A 888
Copper or copper-alloy pipe	ASTM B 42; ASTM B 302
Copper or copper-alloy tubing (Type K, L, M or DWV)	ASTM B 75; ASTM B 88; ASTM B 251; ASTM B 306
Galvanized steel pipe	ASTM A 53
Polyolefin pipe	CSA B181.3
Polyvinyl chloride (PVC) plastic pipe in IPS diameters, including schedule 40, DR 22 (PS 200) and DR 24 (PS 140); with a solid, cellular core or composite wall	ASTM D 2665; ASTM F 891; CSA B181.2; ASTM F 1488
Polyvinyl chloride (PVC) plastic pipe with a 3.25 inch O.D. and a solid, cellular core or composite wall	ASTM D 2949; ASTM F 1488
Stainless steel drainage systems, Types 304 and 316L	ASME A 112.3.1
Acrylonitrile butadiene styrene (ABS) plastic pipe in IPS diameters, including schedule 40, DR 22 (PS 200) and DR 24 (PS 140); with a solid, cellular core or composite wall	ASTM D 2661; ASTM F 628; ASTM F 1488; CSA B181.1
Asbestos-cement pipe	ASTM C 428
Cast-iron pipe	ASTM A 74; CISPI 301; ASTM A 888
Copper or copper alloy tubing (Type K, L, M or DWV)	ASTM B 75; ASTM B 88; ASTM B 251; ASTM B 306
Polyolefin pipe	ASTM F 1412; CSA B181.3
Polyvinyl chloride (PVC) plastic pipe in IPS diameters, including schedule 40, DR 22 (PS 200) and DR 24 (PS 140); with a solid, cellular core or composite wall	ASTM D 2665; ASTM F 891; ASTM F 1488; CSA B181.2
Polyvinyl chloride (PVC) plastic pipe with a 3.25 inch O.D. and a solid, cellular core or composite wall	ASTM D 2949; ASTM F 1488
Stainless steel drainage systems, Type 316L	ASME A 112.3.1

P3002.2 Building sewer. Building sewer piping shall be as shown in Table P3002.2. Forced main sewer piping shall conform to one of the standards for ABS plastic pipe, copper or copper-alloy tubing, PVC plastic pipe or pressure-rated pipe listed in Table P3002.2.

TABLE P3002.2 BUILDING SEWER PIPE MATERIAL	STANDARD
Acrylonitrile butadiene styrene (ABS) plastic pipe in IPS diameters, including schedule 40, DR 22 (PS 200) and DR 24 (PS 140); with a solid, cellular core or composite wall	ASTM D 2661; ASTM F 628; ASTM F 1488
Asbestos-cement pipe	ASTM C 428

Exhibit A

Cast-iron pipe	ASTM A 74; ASTM A 888; CISPI 301
Acrylonitrile butadiene styrene (ABS) plastic pipe in sewer and drain diameters, including SDR 42 (PS 20), PS35, SDR 35 (PS 45), PS50, PS100, PS140, SDR 23.5 (PS 150) and PS200; with a solid, cellular-core or composite wall	ASTM F 1488; ASTM D 2751
Polyvinyl chloride (PVC) plastic pipe in sewer and drain diameters, including PS 25, SDR 41 (PS 28), PS 35, SDR 35 (PS 46), PS 50, PS 100, SDR 26 (PS 115), PS140 and PS 200; with a solid, cellular	ASTM F 891; ASTM F 1488; ASTM D 3034; CSA B182.2; CSA B182.4

SECTION P 3114 AIR ADMITTANCE VALVES

Section P3114.3 Where permitted. WHERE APPROVED BY THE CODE OFFICIAL, Individual vents, branch vents, circuit vents and stack vents shall be permitted to terminate with a connection to an *air admittance valve*. Individual and branch type air admittance valves shall vent only fixtures that are on the same floor level and connect to a horizontal branch drain.

Part VIII ELECTRICAL: Delete in its entirety.

APPENDIX J EXISTING BUILDINGS AND STRUCTURES- ADOPT

END