

**ORDINANCE NUMBER 1336**

**AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF PERRIS, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA AMENDING SPECIFIED CHAPTERS OF TITLE 16 OF THE PERRIS CITY CODE TO ADOPT THE 2016 EDITIONS OF THE CALIFORNIA MODEL CODES, CALIFORNIA BUILDING CODE VOLUMES 1 & 2, CALIFORNIA PLUMBING, MECHANICAL, ELECTRICAL CODE, CALIFORNIA FIRE CODE, THE CALIFORNIA EXISTING BUILDING CODE, CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA ENERGY CODE, CALIFORNIA ADMINISTRATIVE CODE AND RELATED REFERENCE STANDARDS CODES WITH APPENDICES, ICC VALUATION TABLES AND AMENDMENTS THERETO**

The City Council of the City of Perris does ordain as follows:

**WHEREAS**, Health and Safety Code Section 17958 provides that the City of Perris shall adopt Ordinances and regulations imposing the same or modified or changed requirements as are contained in the regulations adopted by the State pursuant to Health and Safety Code Section 17922; and

**WHEREAS**, the State of California is mandated by Health and Safety Code Section 17922 to impose the same requirements as are contained in the most recent edition of the California Building Code, California Fire Code, California Existing Building Code, the California Plumbing Code, the California Mechanical Code, and the California Electrical Code (herein after referred to collectively as "Codes"); and

**WHEREAS**, Health and Safety Code Section 17958.5(a) permits the City to make modifications or changes to the Codes, which are reasonably necessary because of local climatic, geographic or topographic conditions; and

**WHEREAS**, Health and Safety Code Section 17958.7 requires that the City Council, before making any modifications or changes to the Codes, shall make an express finding that such changes or modifications are reasonably necessary because of local climatic, geographic or topographic conditions; and

**WHEREAS**, the Development Services Department has recommended that changes and modifications be made to the Codes and have advised that certain said changes and modifications to the California Building Code, Volumes 1 & 2, 2016 Edition and the California Plumbing Code, 2016 Edition and the California Mechanical Code, 2016 Edition, the California Electrical Code, 2016 Edition, the 2016 California Fire Code, The 2016 California Residential Code, Green Building, Energy, and Administrative Code are reasonably necessary due to local conditions in the City of Perris.

- a) The City is subject to relatively low amounts of precipitation, very low humidity levels and extremely high temperatures. These climatic conditions are conducive to the spread of fire. For example during July, August and September, temperatures often exceed 100 degrees Fahrenheit. During the same months humidity is usually less than 40% and humidity measurements less than 10% are not uncommon. These conditions contribute to an increased likelihood of fire. Moreover, minor fires have a greater tendency of spreading rapidly due to such conditions.
- b) The City is subject to extremely strong winds, commonly referred to as the "Santa Ana Winds", which reach speeds in excess of 80 miles per hour. Extensive damage often occurs during such winds including downed trees, utility poles, utility circuits and utility service lines. These adverse conditions can cause: (1) fires, (2) impairment to emergency apparatus access, (3) delays in response times of emergency apparatus: and (4) the depletion of apparatus readily available for fire suppression activities. These windstorms commonly last from three to seven days.
- c) The City's neighboring foothills create a unique fire hazard. This is because fire Service is provided by both the County of Riverside and the California Division of Forestry. Fire units from both Fire Departments are often sent to assist in the extinguishment of fast moving and wind assisted fires in the neighboring foothills.
- d) The City is located in an area, which due to its climate, geology, and topography is highly susceptible to fires, strong winds, low precipitation and seismic activity making necessary the adoption of additional requirements to ensure the City's residential, commercial, and industrial building stock is designed, preserved and maintained in such a condition as to protect the safety of its residents.
- e) The City is located in Southern California, in an extremely active seismic region, with high levels of historic earthquake activity in the recent past and can be expected to experience significant strong seismic activity within the foreseeable future.

***NOW, THEREFORE, BE IT RESOLVED*** by the City Council of the City of Perris as follows:

***Section 1.*** The City Council of the City of Perris ("City") is informed and finds that it is reasonably necessary to amend the 2016 California Building Standards Code, known as the California Code of Regulations, Title 24; the California Building Code Volumes 1 & 2, Plumbing, Mechanical, Electrical, Green, Fire Codes, Energy, The California Existing Building Code, and the California Administrative Code; to meet the particular climatic, geological and topographical conditions existing in the City. These climatic, geological and topographical conditions include, but are not limited to the following conditions:

***Section 2.*** The above recitals are all true and correct.

**Section 3.** The City Council has reviewed and considered the environmental information

Included in the staff report and accompanying attachments. Based on the analysis of the project the City Council finds that:

- a) This project is Category Exempt and complies with the California Environmental Quality Act.

**Section 4.** Based on the information contained within the Project Report and the accompanying attachments and exhibits, the City Council hereby finds that:

**Section 5.** The City Council hereby approves the amendments to the Perris City Code, based on the information and findings presented in the staff report.

**Section 6.** The City Council declares that should any provisions, sections, paragraphs, sentence, or word of the Ordinance be rendered or declared invalid by any court of competent jurisdiction, or by reason of any preemptive legislation, the remaining provisions, sections, paragraphs, sentences, and words of this Ordinance shall remain in full force and effect.

Section 16.08.050 of Chapter 16-08 of Title 16 of the Perris City Code are hereby repealed in their entirety, and new Sections 16.080.050 through 16080.59 of Chapter 16-08 of Title16 are hereby added in place thereof to read as follows:

#### **SECTION 16.08.050 ADOPTION OF THE 2016 CALIFORNIA BUILDING CODE**

Except as provided in this chapter, those certain building codes known and designated as the California Building Code 2016 Edition Volumes 1 and 2 including Appendix Chapters A.1, 21-4 through 21-8, H , I and J based on the 2015 International Building Code as published by the International Code Council, shall become the building codes of the City for regulating the erection, construction, enlargement, alteration, repair, moving, removal, demolition, conversion, occupancy, equipment, use, height, area and maintenance of all buildings and/or structures in the City. The California Building Code and its appendix chapters will be on file for public examination in the office of the Building Official and the City Clerk's office.

#### **SECTION 16.08.051 AMENDMENTS TO THE CALIFORNIA BUILDING CODE**

The 2016 California Building Code is hereby amended as follows:

SECTION 202, General Definitions, is hereby amended by adding the following definitions:

**FLOOR AREA. FIRE SPRINKLER.** For the purpose of calculating square footage for application of fire sprinkler requirements, the floor area shall be determined in accordance with the CBC definition for "Floor Area, Gross".

Chapter 9  
(Fire Protection Systems)

SECTION 903.2, where required, is hereby amended as follows:

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

- a) New buildings: In addition to the requirements of section 903.2.1 through 903.2.12, approved automatic sprinkler systems in new buildings and structures shall be provided when the gross area of the building exceeds 5,000 for or more than two-story high.

SECTION 903.2.8, Group R, is hereby amended as follows:

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

- 1. New buildings: An automatic sprinkler system shall be installed throughout all new buildings.
- 2. Existing buildings: An automatic sprinkler system shall be installed throughout when one of the following conditions exists:
  - a) When an addition is 33% or more of the existing building area, as defined in Section 502.1, and greater than 1000 square feet (92.903 tru) within a two year period; or
  - b) An addition when the existing building is already provided with automatic sprinklers; or
  - c) When an existing Group R Occupancy is being substantially renovated, and where the scope of the renovation is such that the Building Code Official determined that the complexity of installing a sprinkler system would be similar as in a new building.

SECTION 903.3.1.1.1, Exempt locations, is hereby amended by deletion of exception 4

Exception: When approved by the fire code official, spaces or areas in telecommunications buildings used exclusively for telecommunications equipment, and associated electrical power distribution equipment, provided those spaces or areas are equipped throughout with an automatic smoke detection system in accordance with Section 907.2 and are separated from the remainder of the building by fire barriers consisting of not less than 1-hour fire-barriers Constructed in accordance with Section 707 or not less than 2-hour horizontal assemblies constructed in accordance with Section 711 or both.

SECTION 903.4, Sprinkler system supervision and alarms, is hereby amended by deleting exceptions items 3 & 5, and renumbering the Exceptions as follows:

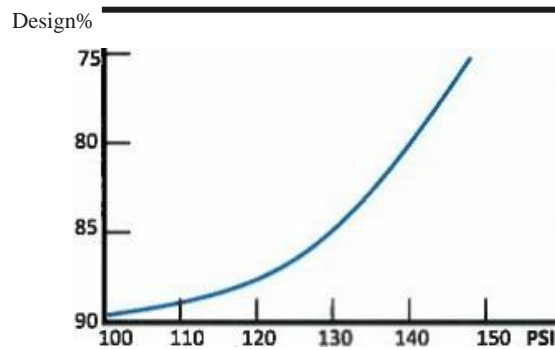
1. Automatic sprinkler systems protecting one- and two-family dwellings.
2. Limited area systems serving in accordance with section 903.3.8
3. Jockey pump control valves that are sealed or locked in the open position.
4. Valves controlling the fuel supply to fire pump engines that are sealed or locked in the open position.
5. Trim valves to pressure switches in dry, pre-action and deluge sprinkler systems that are sealed or locked in the open position.

Section 903.3.5.3 hydraulically calculated systems. This section is hereby added as follows:

903.3.5.3 Hydraulically calculated systems. This section is hereby added as follows the design of hydraulically calculated fire sprinkler systems shall not exceed 90% of the water supply capacity

Exception: When static pressure exceeds 100psi, and required by the Fire Code Official, the fire sprinkler system shall not exceed water supply capacity specified by Table 903.3.5.3

TABLE 903.3.5.3  
Hydraulically Calculated Systems



SECTION 904.3.5 Monitoring is hereby revised as follows:

[F] 904.3.5 Monitoring. Where a building fire alarm or monitoring system is installed, automatic fire-extinguishing systems shall be monitored by the building fire alarm or monitoring system in accordance with NFPA 72.

Section 905.4 Location of Class I standpipe hose connections is hereby amended by adding items 7 as follows:

905.4 Location of Class I standpipe hose connections is hereby revised to include number 7 as follows:

The centerline of the 2.5 inch (63.5 mm) outlet shall be no less than 18 inches (457.2 mm) and no more than 24 inches above the finished floor.

SECTION 907.3.1 Duct smoke detectors is hereby amended as follows:

[F] 907.3.1 Duct smoke detectors. Smoke detectors installed in ducts shall be listed for the air velocity, temperature and humidity present in the duct. Duct smoke detectors shall be connected to the building's fire alarm control unit when a fire alarm system is installed. Activation of a duct smoke detector shall initiate a visible and audible supervisory signal at a constantly attended location and shall perform the intended fire safety function in accordance with this code and the California Mechanical Code. Duct smoke detectors shall not be used as a substitute for required open area detection.

Exception:

In occupancies not required to be equipped with a fire alarm system, actuation of a smoke detector shall activate a visible and an audible signal in an approved location.

Smoke detector trouble conditions shall activate a visible or audible signal in an approved location and shall be identified as air duct detector trouble.

Table 1505.1 is hereby amended, by the deletion of Table 1505.1 and the addition of a new Table 1505.1 thereto, to read as follows:

TABLE 1505.1

MINIMUM ROOF COVERING CLASSIFICATIONS  
TYPES OF CONSTRUCTION

IA	IB	IIA	IIB	IIIA	IIIB	IV	VA	VB
B	B	B	B	B	B	B	B	B

For SI: 1 foot = 304.8 mm, 1 square foot = 0.02921112

a. Unless otherwise required in accordance with Chapter 7A.

Section 1505.1.3 is hereby amended, by the deletion of the entire section and the addition of a new section thereto, to read as follows:

1505.1.3 Roof coverings within all other areas. The entire roof covering of every existing structure where more than 50 percent of the total roof area is replaced within any one-year period, the entire roof covering of every new structure, and any roof covering applied in the alteration, repair or replacement of the roof of every existing structure, shall be a fire-retardant roof covering that is at least "Class B."

Section 1505.5 is hereby amended, by the deletion of the entire section without replacement.

Section 1505.7 is hereby amended, by the deletion of the entire section without replacement.

Section 3109 BARRIERS FOR SWIMMING POOLS, SPAS AND HOT TUBS of Chapter 31 of the Building Code is amended as follows:

Section 3109.2 of the Building Code is amended by adding a new definition of "Barrier", and revising the definition of "Swimming Pools" to read as follows:

"Barrier. A fence, wall, building wall or combination thereof that completely surrounds the swimming pool and obstructs access to the swimming pool."

"Swimming Pools. Any body of water created by artificial means which is designed, intended for use, or used, for swimming or immersion purposes, which has a water depth exceeding eighteen (18) inches. The term "pool" includes swimming pools, spas, hot tubs, above and below ground, and vinyl-lined pools; "pool" does not include plumbing fixtures such as bathtubs nor does it apply to man-made lakes, reservoirs, farm ponds, or ponds used primarily for public park purposes, water conservation purposes, irrigation purposes or for the watering of livestock."

- a) Section 3109.4, *Exception*, of the Building Code is deleted in its entirety.
- b) Section 3109.4.1 of the Building Code is amended to read as follows:

"3109.4.1 Barrier Height and Clearances. The top of the barrier shall be at least seventy-two (72) inches above grade measured on the side of the barrier that faces away from the swimming pool. The maximum vertical clearance between grade and the bottom of the barrier shall be two (2) inches measured on the side of the barrier that faces away from the swimming pool. Where the top of the pool structure is above grade, the barrier is authorized to be at ground level or mounted on top of the pool structure, and the maximum vertical clearance between the top of the pool structure and the bottom of the barrier shall be four (4) inches."

- c) Section 3109.4.1.7 of the Building Code is amended to read as follows:

"3109.4.1.7 Gates. Access gates shall comply with the requirements of Sections 3109.4.1 through 3109.4.1.6 and shall be equipped to accommodate a locking device. Pedestrian access gates shall open outward away from the pool and shall be self-closing and have a self-latching device. Gates other than pedestrian access gates shall have a self-latching device and shall be equipped with lockable hardware or padlocks and shall remain locked at all times when not in use. Release mechanisms shall be in accordance with Sections 1010.1.9 and 1109.13. Where release mechanisms of the self-latching device are located less than sixty (60) inches above grade measured on the side of the barrier that faces away from the swimming pool, the release

mechanism shall be located on the pool side of the gate at least three (3) inches below the top of the gate and the gate barrier shall have no opening greater than one-half (112) inches within eighteen (18) inches of the release mechanism."

Chapter 35 Referenced Standards is hereby adopted and revised as follows:

Amendments specified in 2016 California Fire Code, Chapter 80, NFPA Standards shall take precedence.

Amendments to the 2016 California Residential Code.

a) Table R301.2(1) is revised to read:

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

Ground Snow Load	Wind design				SEISMIC DESIGN CATEGORY	SUBJECT TO DAMAGE FROM			WINTER DESIGN TEMPERATURE	ICE BARRIER UNDERLAYMENT REQUIRED	FLOOD HAZARD	AIR FREEZING INDEX	MEAN ANNUAL TEMP
	Speed (mph)	Topographic effects	Special wind region	Wind-borne debris zone		Weathering	Frost Line depth	Termite					
Zero	85	No	5		D2 or E	Negligible	12-24"	Very Heavy	43	No	See Exhibit B	0	60

For SI: 1 pound per square foot= 0.479 kPa, 1 mile per hour= 0.447 m/s.

- a. Weathering may require a higher strength concrete or grade of masonry than necessary to satisfy the structural requirements of this code. The weathering column shall be filled in with the weathering index (i.e., "negligible," "moderate" or "severe") for concrete as determined from the Weathering Probability Map (Figure R301.2(3)). The grade of masonry units shall be determined from ASTM C 34, C 55, C 62, C 73, C 90, C 129, C 145, C 216, or C 652.
- b. The front line depth may require deeper footings than indicated in Figure R403.1 (1). The jurisdiction shall fill in the front line depth column with the minimum depth of footing below finish grade.
- c. The jurisdiction shall fill in this part of the table to indicate the need for protection depending on whether there has been a history of local subterranean termite damage.
- d. The jurisdiction shall fill in this part of the table with the wind speed from the basic wind speed map (Figure R301.2 (4)). Wind exposure category shall be determined on a site-specific basis in accordance with Section R301.2.1.4.
- e. Temperatures shall be permitted to reflect local climates or local weather experience as determined by the building official.

- f. The jurisdiction shall fill in this part of the table with the seismic design category determined from Section R301.2.2.1.
- g. The jurisdiction shall fill in this part of the table with (a) the date of the jurisdiction's entry into the National Flood Insurance Program (date of adoption of the first code or ordinance for management of flood hazard areas), (b) the date(s) of the Flood Insurance Study and (c) the panel numbers and dates of all currently effective FIRMs and FBFMs or other floor hazard map adopted by the authority having jurisdiction, as amended.
- H. In accordance with Sections R905.1.2, R905.4.3.1, R905.5.3.1, R905.6.3.1, R905.7.3.1 and R905.8.3.1, where there has been a history of local damage from the effects of ice damming, the jurisdiction shall fill in this part of the table with "YES." Otherwise, the jurisdiction shall fill in this part of the table with "NO."
- I. The jurisdiction shall fill in this part of the table with the 100-year return period air freezing index (BF-days) from Figure R403.3 (2) or from the 100-year (99%) value on the National Climatic Data Center data table \*Air Freezing Index-USA Method (Base 32°F) at [www.ncdc.noaa.gov/fpsf.html](http://www.ncdc.noaa.gov/fpsf.html).
- J. The jurisdiction shall fill in this part of the table with the mean annual temperature From the National Climatic Data Center data table \*Air Freezing Index-USA Method (Base 32°F) at [www.ncdc.noaa.gov/fpsf.html](http://www.ncdc.noaa.gov/fpsf.html).
- k. In accordance with Section R301.2.1.5, where there is local historical data documenting structural damage to buildings due to topographic wind speed-up effects, the jurisdiction shall fill in this part of the table with "YES." Otherwise, the jurisdiction shall indicate "NO" in this part of the table.
- l. In accordance with Figure R301.2 (4) A, where there is local historical data documenting unusual wind conditions, the jurisdiction shall fill in the part of the table with "YES" and identify any specific requirements. Otherwise, the jurisdiction shall indicate "NO" in the part of the table.
- m. In accordance with Section R301.2.1.2.1, the jurisdiction shall indicate the wind-borne debris wind zone (s). Otherwise, the jurisdiction shall indicate "NO" in this part of the table.

a) **Section R313.1** is modified by deleting it in its entirety and replacing it with the following:

**R313.1 Townhouse automatic fire sprinklers systems.** An automatic residential fire sprinkler system shall be installed in Townhouses as follows:

**New buildings:** An automatic sprinkler system shall be installed throughout all new buildings.

**Existing buildings:** An automatic sprinkler system shall be installed throughout when one of the following conditions exists:

1. When an addition is 33% or more of the existing building area as defined in Section 502.1, and greater than 1000 square feet (92.90031111) within a two year period; or
2. An addition when the existing building is already provided with automatic sprinklers; or
3. When an existing Group R Occupancy is being substantially renovated, and where the scope of the renovation is such that the Building Code

Official determines that the complexity of installing a sprinkler system would be similar as in a new building.

- b) Section R313.2 is modified by deleting it in its entirety and replacing it with the following:

R313.2 One- and two-family dwellings automatic fire sprinklers systems. An automatic residential fire sprinkler system installed in one- and two-family dwellings as follows:

**New buildings:** An automatic sprinkler system shall be installed throughout all new buildings.

**Existing buildings:** An automatic sprinkler system shall be installed throughout when one of the following conditions exists:

1. When an addition is 33% or more of the existing building area as defined in Section 502.1t and greater than 1000 square feet (92.90031111) within a two year period; or
2. An addition when the existing building is already provided with automatic sprinklers; or
3. When an existing Group R Occupancy is being substantially renovated and where the scope of the renovation is such that the Building Code Official determines that the complexity of installing a sprinkler system would be similar as in a new building.

- c) Section R902.1 is amended by revising it to allow only Class A or B roofs as follows:

**R902.1 Roof mg covering materials.** Roofs shall be covered with materials as set forth in Sections R904 and R905. A minimum Class A roofing shall be installed in areas designated by this section. Classes A roofing required by this section to be listed shall be tested in accordance with UL 790 or ASTM E 108.

Exceptions:

1. Class A roof assemblies include those with coverings of brick masonry and exposed concrete roof deck.
2. Class A roof assemblies also include ferrous or copper shingles or sheets metal sheets and shingles clay or concrete or tile or slate installed on noncombustible decks.
3. Class A roof assemblies include minimum 16 ounces per square foot copper sheets installed over combustible decks.
4. Class A rood assemblies include slate installed over underlayment over combustible decks.

- g) Section R902.1.3 is amended by revising it to require a minimum Class A roof as follows:

R902.1.3 Roof coverings within all other areas. The entire roof covering of every existing structure where more than 50 percent of the total roof area is replaced within any one-year period, the entire roof covering of every new structure, and any roof covering applied in the alteration, repair or replacement of the roof of every existing structure, shall be a fire-retardant roof covering that is at least Class A.

h) Section R902.2, first paragraph is amended by revising it to allow only Class A treated wood roofs as follows:

**R902.2 Fire-retardant-treated shingles and shakes.** Fire-retardant-treated wood shakes and shingles are wood shakes and shingles complying with UBC Standard 15- 3 or 15-4 which are impregnated by the full-cell vacuum-pressure process with fire- retardant chemicals, and which have been qualified by UBC Standard 15-2 for use on Class A or B roofs.

**Chapter 44 Referenced Standards** is adopted in its entirety with the following amendments:

Amendments specified in 2016 California Fire Code, Chapter 80, NFPA Standards shall take precedence

## **CHAPTER 2 MECHANICAL CODE**

### **SECTION 16.08.052 ADOPTION OF 2016 EDITION OF THE CALIFORNIA MECHANICAL CODE**

Except as provided in this chapter, the California Mechanical Code, 2016 Edition based on the 2015 International Mechanical Code as published by the I AMPO, shall be and become the Mechanical Code of the City, regulating and controlling the design, construction, installation, quality of materials, location, operation and maintenance of heating, ventilating, cooling, refrigeration systems, incinerators and other miscellaneous heat producing appliances. The California Mechanical Code is on file for public examination in the office of the Building Official.

### **SECTION 16.08.053 AMENDMENTS TO THE CALIFORNIA MECHANICAL CODE**

The 2016 Edition of the California Mechanical Code is hereby adopted with no amendments.

## **CHAPTER 3 PLUMBING CODE**

### **SECTION 16.08.054 ADOPTION OF 2016 EDITION OF THE CALIFORNIA PLUMBING CODE**

Except as provided in this chapter, the California Plumbing Code, 2016 Edition, based on the 2015 Uniform Plumbing Code including Appendix Chapter K & I, as published by the International Association of Plumbing and Mechanical Officials, shall be and become the Plumbing Code of the City of Perris, regulating erection, installation, alteration, repair, relocation, replacement, maintenance or use of plumbing systems within the City. The California Plumbing Code will be on file for public examination in the office of the Building Official.

### **SECTION 16.08.055 AMENDMENTS TO THE CALIFORNIA PLUMBING CODE**

The 2016 Edition of the California Plumbing Code is hereby adopted with no amendments. SECTION 16.08.056 ADOPTION OF 2016 EDITION OF THE CALIFORNIA ELECTRICAL CODE

Except as provided in this chapter, the California Electrical Code, 2016 Edition, based on the 2014 National Electrical Code as published by the National Fire Protection Association, shall be and become the Electrical Code of the City of Perris, regulating all installation, arrangement, alteration, repair, use and other operation of electrical wiring, connections, fixtures and other electrical appliances on premises within the City. The California Electrical Code is on file for public examination in the office of the Building Official.

SECTION 16.08.057 AMENDMENTS TO THE CALIFORNIA ELECTRICAL CODE

The 2016 Edition of the California Electrical Code is hereby adopted without amendments.

SECTION 16.08.057A ADOPTION OF 2016 EDITION OF THE CALIFORNIA EXISTING BUILDING CODE

Except as provided in this chapter, the California Existing Building Code, Appendix A-1, A-3 and related reference standards based on the 2015 International Existing Building Code as published by the International Code Council, specifically adopted by published matrix, shall become the Existing Building Code of the City for regulating existing buildings in the City. The California Existing Building Code will be on file for public examination in the office of the Building Official.

SECTION 16.08.057B. AMENDMENTS TO THE CALIFORNIA EXISTING BUILDING CODE

Appendix A-1 & A-3 which is hereby adopted in accordance with referenced matrix with no amendments.

SECTION 16.08.058 ADOPTION OF THE 2016 CALIFORNIA FIRE CODE

Except as provided in this chapter, those certain fire codes known and designated as the California Fire Code 2016 Edition based on the 2015 International Fire Code as published by the "International Code Council., shall become the fire code of the City for regulating the erection, construction, enlargement, alteration, repair, moving, removal, demolition, conservation, occupancy, equipment, use, height, area and maintenance of all buildings and/or structures in the city for all fire related issues. The California Fire Code and its appendix chapters will be on file for public examination in the office of the Building Official/Fire Marshal and the City Clerk's office.

SECTION 16.08.059 AMENDMENTS TO THE CALIFORNIA FIRE CODE

The 2016 California Fire Code is hereby amended as follows:

## Perris 2016 Coded Option Fire Code

### SECTION 16.08.058 ADOPTION OF THE 2016 CALIFORNIA FIRE CODE

Except as provided in this chapter, those certain fire codes known and designated as the California Fire Code 2016 Edition based on the 2015 International Fire Code as published by the “International Code Council”, shall become the fire code of the City for regulating the erection, construction, enlargement, alteration, repair, moving, removal, demolition, conservation, occupancy, equipment, use, height, area and maintenance of all buildings and/or structures in the City for all fire related issues. The California Fire Code and its appendix chapters will be on file for public examination in the office of the Building Official/Fire Marshal and the City Clerk’s office.

### SECTION 16.08.059 AMENDMENTS TO THE CALIFORNIA FIRE CODE

The 2016 California Fire Code is hereby adopted and amended as follows:

#### **Chapter 1 Scope and Administration**

**Chapter 1 Scope and Administration** is adopted in its entirety with the following amendments:

**Section 109.4 Violation penalties** is hereby revised as follows: Infraction, Misdemeanor, as follows:

**109.4 Violation penalties.** Persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter, repair or do work in violation of the approved construction documents or directive of the fire code official, or of a permit or certificate used under provisions of this code, shall be guilty of either a misdemeanor, infraction or both as prescribed in Section 109.4.2 and 109.4.3. Penalties shall be as prescribed in local ordinance. Each day that a violation continues after due notice has been served shall be deemed a separate offense.

**Sections 109.4.2 Infraction** is hereby added as follows:

**109.4.2 Infraction.** Except as provided in Section 109.4.3, persons operating or maintaining any occupancy, premises or vehicle subject to this code that shall permit any fire or life safety hazard to exist on premises under their control shall be guilty of an infraction.

**Sections 109.4.3 Misdemeanor** is hereby added as follows:

**109.4.3 Misdemeanor.** Persons who fail to take immediate action to abate a fire or life safety hazard when ordered or notified to do so by the chief or a duly

authorized representative, or who violate the following sections of this code, shall be guilty of a misdemeanor:

104.11.2 Obstructing operations

104.11.3 Systems and Devices

107.5 Overcrowding

109.3.2 Compliance with Orders and Notices

111.4 Failure to comply

305.4 Deliberate or negligent burning

308.1.2 Throwing or placing sources of ignition

310.7 Burning Objects

3104.7 Open or exposed flames

## **Chapter 2 Definitions**

**Chapter 2 Definitions** is adopted in its entirety with the following amendments:

**Sections 202 General Definitions** is hereby revised by adding “Hazardous Fire Area,” and “Spark Arrester” as follows:

### **202 General Definitions**

**HAZARDOUS FIRE AREA.** Includes all areas identified within Section 4906.2 and other areas as determined by the Fire Code Official as presenting a fire hazard due to the presence of combustible vegetation, or the proximity of the property to an area that contains combustible vegetation.

**SPARK ARRESTER.** A listed device constructed of noncombustible material specifically for the purpose of removing and retaining carbon and other flammable particles/debris from the exhaust flow of an internal combustion engine in accordance with California Vehicle Code Section 38366.

## **Chapter 3 General Requirements**

**Chapter 3 General Requirements** is adopted in its entirety with the following amendments:

**Section 304.1.2 Vegetation** is hereby revised as follows:

**304.1.2 Vegetation.** Weeds, grass, vines or other growth that is capable of being ignited and endangering property, shall be cut down and removed by the owner or occupant of the premises. Vegetation clearance requirement in urban- wildland interface areas shall be in accordance with Chapter 49 and City of Perris vegetation management guidelines. Vegetation clearance requirement in urban- wildland interface areas shall be in accordance with Chapter 49.

**Section 305.6 Hazardous Conditions** is hereby added as follows:

**305.6 Hazardous conditions.** Outdoor fires are not allowed when predicted sustained winds exceed 8 MPH during periods when relative humidity is less than 25%, or a red flag condition has been declared or public announcement is made, when an official sign was caused to be posted by the fire code official, or when such fires present a hazard as determined by the fire code official.

**Section 305.7 Disposal of rubbish** is hereby added as follows:

**305.7 Disposal of rubbish.** Rubbish, trash or combustible waste material shall be burned only within an approved incinerator and in accordance with Section 307.2.1.

**Section 307 OPEN BURNING, RECREATIONAL FIRES AND PORTABLE OUTDOOR FIREPLACES** is hereby revised to read as follows:

**SECTION 307 OPEN BURNING, RECREATIONAL FIRES, FIRE PITS, FIRE RINGS, AND PORTABLE OUTDOOR FIREPLACES**

**Sections 307.6 Outdoor Fireplaces, Fire Pits, Fire Rings, or similar devices used at Group R Occupancies** is hereby added as follows:

**307.6 Outdoor Fireplaces, Fire Pits, Fire Rings, or similar devices used at Group R Occupancies.** Outdoor fireplaces, fire pits, fire rings, or similar exterior devices used at Group R shall comply with this section.

**Exception:** Barbeques, grills, and other portable devices intended solely for cooking.

**Section 307.6.1 Gas-fueled devices** is hereby added as follows:

**307.6.1 Gas-fueled devices.** Outdoor fireplaces, fire pits and similar devices fueled by natural gas or liquefied-petroleum gas are allowed when approved by the Building Department and the device is designed to only burn a gas flame and not wood or other solid fuel. At R-3 occupancies, combustible construction shall not be located within three feet of an atmospheric column that extends vertically from the perimeter of the device. At other R occupancies, the minimum distance shall be ten feet. Where a permanent Building Department approved hood and vent is installed, combustible construction may encroach upon this column between the bottom of the hood and the vent opening. Where chimneys or vents are installed, they shall have a spark arrester as defined in Section 202.

**Section 307.6.2 Devices using wood or fuels other than natural gas or liquefied- petroleum gas** is hereby added as follows:

**307.6.2 Devices using wood or fuels other than natural gas or liquefied- petroleum gas.** Fireplaces burning wood or other solid fuel shall be constructed in accordance with the California Building Code. Fires in a fireplace shall be contained within a firebox with an attached chimney. The opening in the face of the firebox shall have an installed and maintained method of arresting sparks. The burning of wood or other solid fuel in a device is not allowed within 15 feet of combustible structures, unless within a permanent or portable fireplace. Conditions which could cause a fire to spread within 25 feet of a structure or to vegetation shall be eliminated prior to ignition. Fires in devices burning wood or solid fuel shall be in accordance with Sections 305, 307, and 308.

**Section 307.6.2.1 Where prohibited** is hereby added as follows:

**307.6.2.1 Where prohibited.** The burning of wood and other solid fuels shall not be conducted within a fuel modification zone. Wood and other solid fuel burning fires in devices other than permanent fireplaces are not allowed within Wildfire Risk Areas (WRA) and Wildland-Urban Interface Areas (WUI) or in locations where conditions could cause the spread of fire to the WRA or WUI unless determined by the Fire Code Official that the location or design of the device should reasonably prevent the start of a wildfire.

**Section 309.2.1 Indoor charging of electric carts/cars** is hereby added as follows:

**309.2.1 Indoor charging of electric carts/cars.** Indoor charging of electric carts/cars where the combined volume of all battery electrolyte exceeds 50 gallons shall comply with following:

1. Spill control and neutralization shall be provided and comply with Section 608.5.
2. Room ventilation shall be provided and comply with Section 608.6.1
3. Signage shall be provided and comply with Section 608.7.1
4. Smoke detection shall be provided and comply with Section 608.9.

**Section 320 Fuel Modification Requirements for New Construction** is hereby added as follows:

**320 Fuel Modification Requirements for New Construction.** All new structures and facilities adjoining land containing hazardous combustible vegetation shall be approved and in accordance with the requirements of Perris Guideline, “fuel Modification Guideline – Technical Design for New Construction Fuel Modification Plans and Maintenance Program.”

**Section 321 Clearance of brush or vegetation growth from roadways** is hereby added as follows:

**321 Clearance of brush or vegetation growth from roadways.** The fire code official is authorized to cause areas within 10 feet (3048 mm) on each side of portions of highways and private streets which are improved, designed or ordinarily used for vehicular traffic, to be cleared of flammable vegetation and other combustible growth. Measurement shall be from the flow-line or the end of the improved edge of the roadway surfaces.

**Exception:** Single specimens of trees, ornamental shrubbery or cultivated ground cover such as green grass, ivy, succulents or similar plants used as ground covers, provided that they do not form a means of readily transmitting fire.

**Section 322 Unusual Circumstances** is hereby added as follows:

**322 Unusual circumstances.** The fire code official may suspend enforcement of the vegetation management requirements and require reasonable alternative measures designed to advance the purpose of this code if determined that in any specific case that any of the following conditions exist:

1. Difficult terrain.
2. Danger of erosion.
3. Presence of plants included in any state and federal resources agencies, California Native Plant Society and county-approved list of wildlife, plants, rare, endangered and/or threatened species.
4. Stands or groves of trees or heritage trees.
5. Other unusual circumstances that make strict compliance with the clearance of vegetation provisions undesirable or impractical.

**Section 323 Use of Equipment** is hereby added as follows:

**323 Use of equipment.** Except as otherwise provided in this section, no person shall use, operate, or cause to be operated in, upon or adjoining any hazardous fire area any internal combustion engine which uses hydrocarbon fuels, unless the engine is equipped with a spark arrester as defined in Section 202 maintained in effective working order, or the engine is constructed, equipped and maintained for the prevention of fire.

**Exceptions:**

1. Engines used to provide motor power for trucks, truck tractors, buses, and passenger vehicles, except motorcycles, are not subject to this section if the exhaust system is equipped with a muffler as defined in the Vehicle Code of the State of California.
2. Turbocharged engines are not subject to this section if all exhausted gases pass through the rotating turbine wheel, there is no exhaust bypass to the atmosphere, and the turbocharger is in good mechanical condition

**Section 323.1 Use of Equipment and Devices Generating Heat, Sparks or Open Flames** is hereby added as follows:

**323.1 Equipment and devices generating heat, sparks or open flames.** During any time of the year within the Wildland Risk Areas, no person shall use or operate any stationary equipment, welding equipment, cutting torches, tar pots, or grinding devices from which a spark, fire, or flame may originate, which is located on or near any forest-covered land, brush-covered land, or grass-covered land, without doing the following:

1. First clearing away all flammable material, including snags, from the area around such operation for a distance of 30 feet or other approved method to reduce fire spread into the wildlands. If 30-foot clearing cannot be achieved then an alternate method shall be approved by the AHJ prior to work starting.
2. Maintain one serviceable round point shovel with an overall length of not less than forty-six (46) inches and one backpack pump water-type fire extinguisher fully equipped and ready for use at the immediate area during the operation.
3. Stop work when winds are 8 MPH during periods when relative humidity is less than 25%, or a red flag condition has been declared or public announcement is made, when an official sign was caused to be posted by the fire code official, or when such fires present a hazard as determined by the fire code official.
4. Keep a cell phone nearby and call 911 immediately in case of a fire.

**Section 323.2 Spark Arresters** is hereby added as follows:

**323.2 Spark arresters.** Spark arresters shall comply with Section 202, and when affixed to the exhaust system of engines or vehicles subject to Section 323 shall not be placed or mounted in such a manner as to allow flames or heat from the exhaust system to ignite any flammable material.

## **Chapter 4 Emergency Planning and Preparedness**

**Chapter 4: Emergency Planning and Preparedness** Adopt only the Sections listed below:

1. 401
2. 401.3.4
3. 401.9
4. 402
5. 403.2
6. 404.5 – 404.6.6
7. 407

**Section 407.5** is revised to read as follows:

**407.5 Hazardous Materials Inventory Statement.** Where required by the fire code official, each application for a permit shall include City of Perris's Chemical Classification Packet in accordance with Section 5001.5.2.

## **Chapter 5 Fire Service Features**

**Chapter 5 Fire Service Features** is hereby adopted in its entirety with the following amendments:

**Section 503.2.1.1 Automatic opener** is hereby added as follows:

**503.6.1 Automatic opener.** New motorized gates shall be provided with means to be automatically opened remotely by emergency vehicle in accordance with Riverside County Fire Department standards.

**Section 507.5.1 Where Required** is hereby revised as follows:

**Section 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 300 feet (122 m) 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.

## **Chapter 6 Building Services and Systems**

**Chapter 6 Building Services and Systems** is adopted in its entirety without amendments

## **Chapter 7 Fire and Smoke Protection Features**

**Chapter 7 Fire and Smoke Protection Features** is adopted in its entirety without amendments

## **Chapter 8 Interior Finish, Decorative Materials and Furnishings**

**Chapter 8 Interior Finish, Decorative Materials and Furnishings** is adopted in its entirety without amendments.

## **Chapter 9 Fire Protection Systems**

**Chapter 9 Fire Protection Systems** is adopted in its entirety with the following amendments.

**Section 903.2,** Where required is hereby amended as follows:

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

- a) **New buildings:** In addition to the requirements of section 903.2.1 through 903.2.12, approved automatic sprinkler systems in new buildings and structures shall be provided when the gross area of the building exceeds 5,000 ft.<sup>2</sup> or more than two-story high.

Exception: Group R-3, occupancies shall comply with sections 903.2.8

1. The elimination of sprinkler protection in the following areas are subject to approval by Fire Code Official. 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.
  2. Open parking garages in accordance with Section 406.3 of the California Building Code.
- b) **Alteration:** When the floor area of the Alteration within any two-year period exceeds 75% of area of the existing structure and the alteration includes structural modifications other than seismic upgrade.
- c) **Addition:** Sprinkler protection shall be provided throughout the entire building when:
1. Existing building less than 5,000 ft<sup>2</sup>: where 33% or more is added and the gross floor areas exceeds 5,000 square feet.
  2. Existing building equal or greater than 5,000 ft.<sup>2</sup>: where more than 2,000 ft.<sup>2</sup> is added.

**Section 903.2.8,** Group R, is hereby amended as follows:

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

1. **New buildings:** An automatic sprinkler system shall be installed throughout all new buildings.
2. **Existing buildings:** An automatic sprinkler system shall be installed throughout when one of the following conditions exists:

- a) When an addition is 33% or more of the existing building area, as defined in Section 502.1, and greater than 1000 square feet (92.903 m<sup>2</sup>) within a two year period; or
- b) An addition when the existing building is already provided with automatic sprinklers; or
- c) When an existing Group R Occupancy is being substantially renovated, and where the scope of the renovation is such that the Building Code Official determined that the complexity of installing a sprinkler system would be similar as in a new building.

**Exceptions:**

1. Existing Group R-3 occupancies converted to Group R-3.1 occupancies and not housing bedridden clients, not housing nonambulatory clients above the first floor, and not housing clients above the second floor.
2. Existing Group R-3 occupancies converted to Group R-3.1 occupancies housing only one bedridden client and complying with Section 435.8.3.3 of the California Building Code.
3. Pursuant to Health and Safety Code, Section 13113, occupancies housing ambulatory children only, none of whom are mentally ill children or children with intellectual disabilities, and the buildings or portions thereof in which such children are housed are not more than two stories in height, and building or portions thereof housing such children have an automatic fire alarm system activated by approved smoke detectors.
4. Pursuant to Health and Safety Code, Section 13143.6, occupancies licensed for protective social care which house ambulatory clients only, none of whom is a child (under the age of 18 years), or who is elderly (65 years of age or over).

When not used in accordance with Section 504.2 or 506.3 of the California Building Code, an automatic sprinkler system installed in accordance with Section 903.3.1.2 shall be allowed in Group R-2.1 occupancies.

An automatic sprinkler system designed in accordance with Section 903.3.1.3 shall not be utilized in Group R-2.1 or R-4 occupancies.

**Section 903.4**, Sprinkler system supervision and alarms, is hereby amended by deleting item 5, and renumbering the Exceptions as follows:

1. Automatic sprinkler systems protecting one- and two-family dwellings.
2. Limited area sprinkler systems in accordance with Section 903.3.8.
3. Automatic sprinkler systems installed in accordance with NFPA 13R where a common supply main is used to supply both domestic water and the automatic sprinkler system, and a separate shutoff valve for the automatic sprinkler system is not provided.
4. Jockey pump control valves that are sealed or locked in the open position.

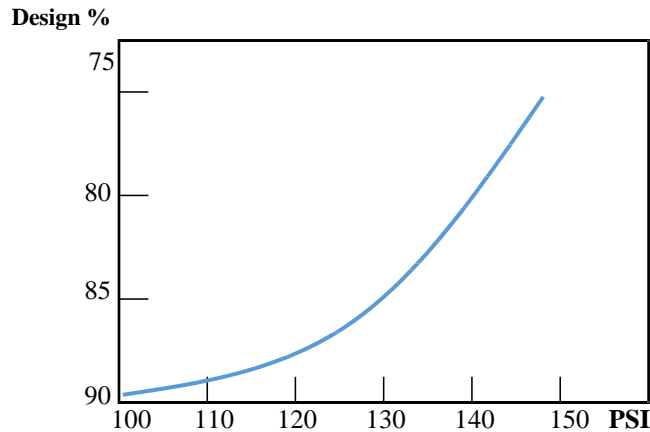
5. Valves controlling the fuel supply to fire pump engines that are sealed or locked in the open position.
6. Trim valves to pressure switches in dry, pre-action and deluge sprinkler systems that are sealed or locked in the open position.

**Section 903.3.5.3 Hydraulically calculated systems** is hereby added as follows:

**903.3.3.5.3 Hydraulically calculated systems.** The design of hydraulically calculated fire sprinkler systems shall not exceed 90% of the water supply capacity

**Exception:** When static pressure exceeds 100 psi, and required by the Fire Code Official, the fire sprinkler system shall not exceed water supply capacity specified by Table 903.3.5.3

**TABLE 903.3.5.3  
Hydraulically Calculated Systems**



### **Chapter 10 Means of Egress**

**Chapter 10 Means of Egress** is adopted in its entirety without amendments

### **Chapter 11 Construction Requirements for Existing Buildings**

**Chapter 11 Construction Requirements for Existing Buildings.** Adopt only those Sections and Subsections listed below:

1. 1103.7
2. 1103.7.3
3. 1103.7.3.1
4. 1103.7.8 – 1103.7.8.2
5. 1103.7.9 – 1103.7.9.10
6. 1103.8 – 1103.8.5.3

- 7. 1107
- 8. 1113
- 9. 1114

- 10.1115
- 11.1116

**Chapter 20  
Aviation Facilities**

**Chapter 20 Aviation Facilities** is adopted in its entirety without amendments:

**Chapter 21  
Dry Cleaning**

**Chapter 21 Dry Cleaning** is adopted in its entirety without amendments.

**Chapter 22  
Combustible Dust-Producing Operations**

**Chapter 22 Combustible Dust-Producing Operations** is adopted in its entirety without amendments.

**Chapter 23  
Motor Fuel-Dispensing Facilities and Repair Garages**

**Chapter 23 Motor Fuel-Dispensing Facilities and Repair Garages** is adopted in its entirety without amendments.

**Chapter 24  
Flammable Finishes**

**Chapter 24 Flammable Finishes** is adopted in its entirety without amendments.

**Chapter 25  
Fruit and Crop Ripening**

**Chapter 25 Fruit and Crop Ripening** is adopted in its entirety without amendments.

**Chapter 26  
Fumigation and Thermal Insecticidal Fogging**

**Chapter 26 Fumigation and Thermal Insecticidal Fogging** is adopted in its entirety without amendments.

**Chapter 27  
Semiconductor Fabrication Facilities**

**Chapter 27 Semiconductor Fabrication Facilities** is adopted in its entirety without amendments

**Chapter 28  
Lumber Yards and Woodworking Facilities**

**Chapter 28 Lumber Yards and Woodworking Facilities** is adopted in its entirety without amendments:

**Chapter 29  
Manufacture of Organic Coatings**

**Chapter 29 Manufacture of Organic Coatings** is adopted in its entirety without amendments.

**Chapter 30  
Industrial Ovens**

**Chapter 30 Industrial Ovens** is adopted in its entirety without amendments.

**Chapter 31  
Tents and Other Membrane Structures**

**Chapter 31 Tents and Other Membrane Structures** is adopted in its entirety without amendments.

**Chapter 32  
High-Piled Combustible Storage**

**Chapter 32 High-Piled Combustible Storage** is adopted in its entirety without amendments.

**Chapter 33  
Fire Safety During Construction and Demolition**

**Chapter 33 Fire Safety During Construction and Demolition** is adopted in its entirety without amendments.

**Chapter 34  
Tire Rebuilding and Tire Storage**

**Chapter 34 Tire Rebuilding and Tire Storage** is adopted in its entirety without amendments.

**Chapter 35  
Welding and Other Hot Work**

**Chapter 35 Welding and Other Hot Work** is adopted in its entirety without amendments.

**Chapter 36  
Marinas**

**Chapter 36 Marinas** is adopted in its entirety without amendments.

**Chapter 48  
Motion Picture and Television Production Studio Sound Stages, Approved  
Production Facilities and Production Locations**

**Chapter 48 Motion Picture and Television Production Studio Sound Stages, Approved Production Facilities and Production Locations** is adopted in its entirety without amendments.

**Chapter 49  
Requirements for Wildland-Urban Interface Fire Areas**

**Chapter 49 Requirements for Wildland-Urban Interface Fire Areas** is adopted in its entirety with the following amendments:

**Section 4906.3 Vegetation** is hereby revised by adding Section “(5)” as follows:

(5) City of Perris Vegetation Management Guidelines.

**Section 4908 Fuel Modification Requirements for New Construction** is hereby added as follows:

**4908 Fuel Modification Requirements for New Construction.** All new buildings to be built or installed in hazardous fire areas shall comply with the following:

1. Preliminary fuel modification plans shall be submitted to and approved by the fire code official concurrent with the submittal for approval of any tentative map.
2. Final fuel modification plans shall be submitted to and approved by the fire code official prior to the issuance of a grading permit.
  - 2.1 The fuel modification plan shall include provisions for the maintenance of the fuel modification for perpetuity.
3. The fuel modification plans shall meet the criteria set forth in the Fuel Modification Section of the City of Perris Vegetation Management Guidelines.
4. The fuel modification plan may be altered if conditions change. Any alterations to the fuel modification areas shall have prior approval from the fire code official.
5. All elements of the fuel modification plan shall be maintained in accordance with the approved plan and are subject to the enforcement process outlined in the Fire Code.

#### **Chapter 50**

#### **Hazardous Materials – General Provisions**

**Chapter 50 Hazardous Materials – General Provisions** is adopted in its entirety with the following amendments.

**Section 5001.5.2 Hazardous Materials Inventory Statement (HMIS)**, is hereby amended by modifying the starting paragraph as follows:

**Hazardous Materials Inventory Statement (HMIS).** Where required by the fire code official, an application for a permit shall include City of Perris Chemical Classification Packet, which shall be completed and approved prior to approval of plans, and/or the storage, use or handling of chemicals on the premises. The Chemical Classification Packet shall include the following information:

1. Product Name
2. Component
3. Chemical Abstract Service (CAS) number
4. Location where stored or used
5. Container size

6. Hazard classification
7. Amount in storage
8. Amount in use-closed systems
9. Amount in use-open systems

**Chapter 51  
Aerosols**

**Chapter 51 Aerosols** is adopted in its entirety without amendments.

**Chapter 53  
Compressed Gases**

**Chapter 53 Compressed Gases** is adopted in its entirety without amendments.

**Chapter 54 Corrosive  
Materials**

**Chapter 54 Corrosive materials** is adopted in its entirety without amendments.

**Chapter 55  
Cryogenic Fluids**

**Chapter 55 Cryogenic Fluids** is adopted in its entirety without amendments.

**Chapter 56  
Explosives and Fireworks**

**Chapter 56 Explosives and Fireworks** California Fire Code Chapter 56 is adopted in its entirety with the following amendments:

**Section 5608.2 Firing** is hereby added as follows:

**5608.2 Firing.** All fireworks displays, regardless of mortar, device, or shell size, shall be electrically fired.

**Chapter 57  
Flammable and Combustible Liquids**

**Chapter 57 Flammable and Combustible Liquids** is adopted in its entirety without amendments.

**Chapter 58  
Flammable Gases and Flammable Cryogenic Fluids**

**Chapter 58 Flammable Gases and Flammable Cryogenic Fluids** is adopted in its entirety without amendments.

**Chapter 59  
Flammable Solids**

**Chapter 59 Flammable Solids** is adopted in its entirety without amendments.

**Chapter 60  
Highly Toxic and Toxic Materials**

**Chapter 60 Highly Toxic and Toxic Materials** is adopted in its entirety without amendments.

**Chapter 61 Liquefied  
Petroleum Gases**

**Chapter 61 Liquefied Petroleum Gases** is adopted in its entirety without amendments.

**Chapter 62 Organic  
Peroxides**

**Chapter 62 Organic Peroxides** is adopted in its entirety without amendments.

**Chapter 63  
Oxidizers, Oxidizing Gases, and Oxidizing Cryogenic Fluids**

**Chapter 63 Oxidizers, Oxidizing Gases, and Oxidizing Cryogenic Fluids** is adopted in its entirety without amendments.

**Chapter 64 Pyrophoric  
Materials**

**Chapter 64 Pyrophoric Materials** is adopted in its entirety without amendments.

**Chapter 65  
Pyroxylin (Cellulose Nitrate) Plastics**

**Chapter 65 Pyroxylin (Cellulose Nitrate) Plastics** is adopted in its entirety without amendments.

**Chapter 66 Unstable  
(Reactive) Materials**

**Chapter 66 Unstable (Reactive) Materials** is adopted in its entirety without amendments.

**Chapter 67  
Water-Reactive Solids and Liquids**

**Chapter 67 Water-Reactive Solids and Liquids** is adopted in its entirety without amendments.

**Chapter 80 Referenced  
Standards**

**Chapter 80 Referenced Standards** is adopted in its entirety with the following amendments:

**NFPA 13, 2016 Edition, Standard for the Installation of Sprinkler Systems** is hereby amended as follows:

**Section 6.7.3** is hereby revised as follows:

**6.7.3** Fire department connections (FDC) shall be of an approved type. The location shall be approved and be no more than 150 feet from a public hydrant. The FDC may be located within 150 feet of a private fire hydrant when approved by the fire code official. The size of piping and the number of inlets shall be approved by the fire code official. If acceptable to the water authority, it may be installed on the backflow assembly. Fire department inlet connections shall be painted OSHA safety red. When the fire sprinkler density design requires 500 gpm (including inside hose stream demand) or greater, or a standpipe system is included, four 2 ½” inlets shall be provided.

**Section 8.3.3.1 is hereby revised as follows:**

**8.3.3.1.** When fire sprinkler systems are installed in shell buildings of undetermined use (Spec Buildings) other than warehouses (S occupancies), fire sprinklers of the quick-response type shall be used. Use is considered undetermined if a specific tenant/occupant is not identified at the time the fire sprinkler plan is submitted. Sprinklers in light hazard occupancies shall be one of the following:

- (1) Quick-response type as defined in 3.6.4.8
- (2) Residential sprinklers in accordance with the requirements of 8.4.5  
Standard-response sprinklers used for modifications or additions to existing light hazard systems equipped with standard-response sprinklers
- (3) Quick response CMSA sprinklers
- (4) ESFR sprinklers
- (5) Standard-response sprinklers used for modifications or additions to existing light hazard systems equipped with standard-response sprinklers
- (6) Standard-response sprinklers used where individual standard-response sprinklers are replaced in existing light hazard systems

**Section 11.1.1.1 is hereby added as follows:**

**11.1.1.1** When fire sprinkler systems are required in buildings of undetermined use other than warehouses, they shall be designed and installed to have a fire sprinkler density of not less than that required for an Ordinary Hazard Group 2 use, with no reduction(s) in density or design area. Warehouse fire sprinkler systems shall be designed to Figure 16.2.1.3.2 (d) curve “G”. Use is considered undetermined if a specific tenant/occupant is not identified at the time the sprinkler plan is submitted. Where a subsequent occupancy requires a system with greater capability, it shall be the responsibility of the occupant to upgrade the system to the required density for the new occupancy.

**Section 11.2.3.1.1.1 is hereby added as follows:**

**11.2.3.1.1.1** The available water supply for fire sprinkler system design shall be determined by one of the following methods, as approved by the Fire Code Official:

- 1) Subtract the project site elevation from the low water level for the appropriate pressure zone and multiply the result by 0.433;
- 2) Use a maximum of 40 psi, if available;
- 3) Utilize the Perris water-flow test form/directions to document a flow test conducted by the local water agency or an approved third party licensed in the State of California.

**Section 23.2.1.1** is hereby revised as follows:

**Section 23.2.1.1** Where a water-flow test is used for the purposes of system design, the test shall be conducted no more than 6 months prior to working plan submittal unless otherwise approved by the authority having jurisdiction.

**NFPA 13D 2016 Edition, Standard for the Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes** is hereby amended as follows:

**Section 4.1.3** is hereby added as follows:

**4.1.3 Stock of Spare Sprinklers**

**Section 4.1.3.1** is hereby added as follows:

**4.1.3.1.** Supply of at least two sprinklers for each type shall be maintained on the premises so that any sprinklers that have operated or been damaged in any way can be promptly replaced.

**Section 4.1.3.2** is hereby added as follows:

**4.1.3.2** The sprinklers shall correspond to the types and temperature ratings of the sprinklers in the property.

**Section 4.1.3.3** is hereby added as follows:

**4.1.3.3** The sprinklers shall be kept in a cabinet located where the temperature to which they are subjected will at no time exceed 100 °F (38°C).

**Section 4.1.3.4** is hereby added as follows:

**4.1.3.4** A special sprinkler wrench shall be provided and kept in the cabinet to be used in the removal and installation of sprinklers. One sprinkler wrench shall be provided for each type of sprinkler installed.

**Section 7.1.2** is hereby revised as follows:

**7.1.2** The system piping shall not have a separate control valve unless supervised by a central station, proprietary, or remote station alarm service.

**NFPA 14, 2013 Edition, Installation of Standpipe and Hose Systems** is hereby amended as follows:

**Section 7.3.1.1** is hereby is deleted in its entirety and replaced as follows:

**7.3.1.1** Class I and III Standpipe hose connections shall be unobstructed and shall be located not less than 18 inches or more than 24 inches above the finished floor. Class II Standpipe hose connections shall be unobstructed and shall be located not less than 3 feet or more than 5 feet above the finished floor.

**NFPA 24, 2016 Edition, Standard for the Installation of Private Fire Service Mains and Their Appurtenances** is hereby amended as follows:

**Section 6.2.9 (5)** is hereby deleted without replacement and (6) and (7) renumbered:

(5) Control Valves installed in a fire-rated room accessible from the exterior.

(6) Control valves in a fire-rated stair enclosure accessible from the exterior as permitted by the authority having jurisdiction.

**Section 6.3.3** is hereby added as follows:

**Section 6.3.3** All post indicator valves controlling fire suppression water supplies shall be painted OSHA red.

**Section 10.1.5** is hereby added as follows:

**10.1.5** All ferrous pipe shall be coated and wrapped. Joints shall be coated and wrapped after assembly. All fittings shall be protected with a loose 8- mil polyethylene tube. The ends of the tube shall extend past the joint by a minimum of 12 inches and be sealed with 2 inch wide tape approved for underground use. Galvanizing does not meet the requirements of this section.

**Exception:** 304 or 316 Stainless Steel pipe and fittings

**Section 10.4.1.1** is hereby revised as follows:

**10.4.1.1** All bolted joint accessories shall be cleaned and thoroughly coated with asphalt or other corrosion-retarding material, prior to poly-tube, and after installation.

**Exception:** Bolted joint accessories made from 304 or 316 stainless steel.

**Section 10.3.6.3** is hereby added as follows:

**10.3.6.3** All bolts used in pipe-joint assembly shall be 316 stainless steel.

**Section 10.4.1.1.1** is hereby deleted and replaced as follows:

**10.4.1.1.1** Where fire service mains enter the building adjacent to the foundation, the pipe may run under a building to a maximum of 24 inches, as measured from the interior face of the exterior wall to the center of the vertical pipe. The pipe under the building or building foundation shall be 304 or 316 stainless steel and shall not contain mechanical joints or it shall comply with 10.4.3.2.1 through 10.4.3.2.4.

### **Appendices**

**Appendix A** is deleted in its entirety without replacement.

**Appendix B** is adopted in its entirety without amendments.

**Appendix BB** is adopted in its entirety without amendments.

**Appendix C** is adopted in its entirety without amendments.

**Appendix CC** is adopted in its entirety without amendments.

**Appendix D** is deleted in its entirety without replacement.

**Appendix E** is deleted in its entirety without replacement.

**Appendix F** is deleted in its entirety without replacement.

**Appendix G** is deleted in its entirety without replacement.

**Appendix H** is adopted in its entirety without replacement.

**Appendix I** is deleted in its entirety without replacement.

**Appendix J** is deleted in its entirety without replacement.

**Appendix K** is deleted in its entirety without replacement.

**Appendix L** is deleted in its entirety without replacement.

**Appendix M** is deleted in its entirety without replacement.

**Appendix N** is deleted in its entirety without replacement.

*ADOPTED, SIGNED, and APPROVED* this 13<sup>th</sup> day of December 2016

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Mayor, Michael M. Vargas

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City Clerk, Nancy Salazar

STATE OF CALIFORNIA)  
COUNTY OF  
RIVERSIDE) § CITY OF  
PERRIS )

I, Nancy Salazar, CITY CLERK OF THE CITY OF PERRIS, DO HEREBY CERTIFY that Ordinance Number 1336 was duly and regularly introduced at a regular meeting of the City Council of the City of Perris held on the 29th day of November 2016 and was duly and regularly adopted by the City Council of the City of Perris at a regular meeting thereof held on the 13<sup>th</sup> day of December 2016 and that it was so adopted by the following called vote:

AYES: ROGERS, CORONA, BURKE, RABB, VARGAS  
NOES: NONE  
ABSENT: NONE  
ABSTAIN: NONE

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City Clerk, Nancy Salazar

Exhibit A – 2013 ICC Building Valuation Data Table

