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When recorded mail to:

City of Goodyear
City Clerk's Office
1900 N. Civic Square
Goodyear AZ 85395

ORDINANCE NO. 2026-1647

AMENDING SECTION 5-2-1 (INTERNATIONAL FIRE CODE ADOPTED) OF ARTICLE 5-2 OF
CHAPTER 5 (FIRE DEPARTMENT) OF THE GOODYEAR CITY CODE.

DO NOT REMOVE

This is part of the official document

ORDINANCE NO. 2026-1647

AN ORDINANCE OF THE MAYOR AND COUNCIL OF THE CITY OF GOODYEAR, MARICOPA COUNTY, ARIZONA, AMENDING SECTION 5-2-1 (INTERNATIONAL FIRE CODE ADOPTED) OF ARTICLE 5-2 OF CHAPTER 5 (FIRE DEPARTMENT) OF THE GOODYEAR CITY CODE.

WHEREAS, the Mayor and Council of the city of Goodyear, Maricopa County, Arizona desire to protect the public health and safety of the residents of Goodyear from fire and/or explosion;

WHEREAS, the International Code Council, established with the membership of three model code development groups, promulgated international codes to provide and protect the public health, safety, and welfare; including international codes related to fire safety;

WHEREAS, the 2024 International Fire Code is a companion code to other codes promulgated by the International Code Council and correlation of the adopted codes by a jurisdiction is essential for the application and understanding of the codes;

WHEREAS, city staff have reviewed the 2024 International Fire Code and find that it correlates to other codes promulgated by the International Codes Council which have been adopted by the city;

WHEREAS, it is important to adopt certain amendments to the 2024 International Fire Code to reflect Arizona laws, Goodyear City Code, and other procedures and practices; and

WHEREAS the Mayor and Council of the city of Goodyear, Arizona, find that the interests of the City of Goodyear and its citizens are best served by the adoption of the 2024 International Fire Code.

NOW, THEREFORE, BE IT ORDAINED BY THE MAYOR AND COUNCIL OF THE CITY OF GOODYEAR, MARICOPA COUNTY, ARIZONA, AS FOLLOWS:

SECTION 1. DECLARATION OF PUBLIC RECORDS

That certain document titled “2024 International Fire Code” published by the International Code Council, including only the following appendices: B, C, D, E, F, G, H, I and L as published by the International Code Council is hereby declared a public record and incorporated herein by this reference.

That certain document titled “Amendment to Section 5-2-1 of Article 5-2 of Chapter 5 of the Goodyear City Code” a copy of which is attached hereto as Exhibit A, is hereby declared a public record and incorporated herein by this reference.

Either three (3) paper copies or one (1) paper copy and one (1) electronic copy, maintained in compliance with A.R.S. 44-7041, of the aforementioned documents being declared public records herein are ordered to remain on file with the City Clerk and to be available for public use and inspection during regular business hours.

SECTION 2.

AMENDING SECTION 5-2-1 OF ARTICLE 5-2 OF CHAPTER 5 OF THE
GOODYEAR CITY CODE

Section 5-2-1 of Article 5-2 of Chapter 5 of the Goodyear City Code is hereby in its entirety and amended as set forth in that certain document titled, "Amendment to Section 5-2-1 of Article 5-2 of Chapter 5 of the Goodyear City Code" which is attached to this Ordinance 2026-1647 as Exhibit A, and is declared a public record, a copy of which is on file with the City Clerk of the City of Goodyear and which is referred to, adopted and made a part hereof as if fully set forth in this Ordinance.

SECTION 3. REPEAL OF ORDINANCE NO. 2019-1438

Ordinance No. 2019-1438 is hereby repealed as of the effective date of this Ordinance No. 2026-1647. The repeal of this ordinance does not affect the rights and duties that matured or penalties that were incurred and proceedings that were begun before the effective date of the repeal.

SECTION 4. CORRECTIONS

The City Clerk and his/her designee, the City Attorney and his/her designee, and the codifiers of this ordinance are authorized to make necessary clerical corrections to this ordinance including, but not limited to, the correction of scrivener's/clerical errors, references, ordinance numbering, section/subsection numbers and any references thereto.

SECTION 5. SEVERABILITY

If any section, subsection, sentence, clause, phrase or portion of this Ordinance is for any reason held invalid or unconstitutional by any court of competent jurisdiction, such portion shall be deemed a separate, distinct, and independent provision and such holding shall not affect the validity of the remaining portions of this Ordinance or parts thereof.

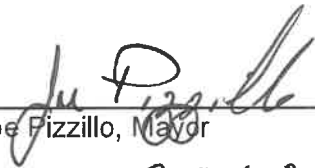
SECTION 6. EFFECTIVE DATE

This ordinance shall become effective at the time and in the manner prescribed by law.

SECTION 7. RECORDATION

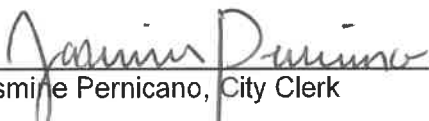
This Ordinance shall be recorded with the Maricopa County Recorder's Office.

PASSED AND ADOPTED by the Mayor and Council of the City of Goodyear, Maricopa County, Arizona, by a 7-0 vote, this 23rd day of March, 2026.



Joe Pizzillo, Mayor
Date: 3-24-2026

ATTEST:



Jasmine Pernicano, City Clerk

APPROVED AS TO FORM:



Roric Massey, City Attorney



Replacement Page

Exhibit 'A'

“Amendment to Section 5-2-1 of Article 5-2 of Chapter 5 of the Goodyear
City Code”

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On File at the Goodyear City Clerk's Office
1900 N. Civic Square.
Goodyear, AZ 85395
623-882-7830

EXHIBIT A

Amendment to Section 5-2-1 of Article 5-2 of Chapter 5 of the Goodyear City Code

Upon Council Adoption of Ordinance No. 2026-1647 Section 5-2-1 of Article 5-2 of Chapter 5 of the Goodyear City Code is hereby deleted in its entirety and replaced with the following:

§ 5-2-1 International fire code adopted.

(A) *Adoption of International Fire Code.* That certain document known as the 2024 International Fire Code, including only the following appendices: B, C, D, E, F, G, H, I and L as published by the International Code Council is hereby referred to, adopted, and made a part hereof as if fully and completely set forth herein except as amended below.

(B) *Amendments.* The 2024 International Fire Code including appendix chapters B, C, D, E, F, G, H, I, and L as adopted by the Mayor and Council of the City of Goodyear is hereby amended as follows:

1. CHAPTER 1 "SCOPE AND ADMINISTRATION," is hereby amended as follows:

Section 101.1 "Title," is hereby amended as follows:

Insert the words "City of Goodyear" as the name of the jurisdiction.

Section 101.2.1 "Appendices," is deleted in its entirety and replaced with the following:

101.2.1 Appendices.

Appendices B, C, D, E, F, G, H, I, and L are hereby adopted by reference as if set forth herein.

Section 101.6 "Public/Charter Schools, State and County owned buildings," is hereby added in its entirety with the following:

101.6 Public/Charter Schools, State and County owned buildings.
Pursuant to Arizona Revised Statutes Title 37, Section 37-1383(A)(5), as the City of Goodyear has a population greater than one hundred thousand (100,000) per the V2024 population estimate and the City of Goodyear has adopted a nationally recognized Fire Code, does hereby assume jurisdiction from the Office of the State Fire Marshal for all

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public/charter schools and State and County owned buildings within the jurisdiction of the City of Goodyear. Such public/charter schools and State and County buildings are not subject to any amendments to the Fire Code outside of what is adopted by the Office of the State Fire Marshal.

Section 102.5 "Application of residential code," is hereby deleted in its entirety and replaced with the following:

102.5 Application of residential code.

Where structures are designed and constructed in accordance with the International Residential Code for One and Two-Family Dwellings as adopted and amended by the governing authority, the provisions of this code shall apply as follows:

1. Construction and design provisions of this code pertaining to the structure shall apply including, but not limited to, premises identification, fire apparatus access, water supplies, fire suppression systems and fire alarm systems. Where interior or exterior systems or devices are installed, construction permits required by Section 105.6 and all subsections therein shall also apply.
2. Administrative, operational and maintenance provision of this code shall apply.

Section 102.7 "Referenced codes and standards," is hereby deleted in its entirety and replaced with the following:

102.7 Referenced codes and standards.

The codes and standards referenced in this code shall be those that are listed in Chapter 80, the City of Goodyear Engineering Design Standards and Policies Manual as adopted and amended by the governing authority, the City of Goodyear Zoning Code, as adopted and amended by the governing authority, the 2010 ADA Standards of Accessible Design as adopted and amended by the governing authority; and all other applicable local, state, and federal laws and regulations. Such codes and standards shall be considered part of the requirements of this code to the extent of each such reference or as otherwise applicable and as further regulated in Sections 102.7.1.

Section 102.7.1 "Conflicts," is hereby deleted in its entirety and replaced with the following:

102.7.1 Conflicts.

Where conflicts occur between provisions of this code and standards referenced in this code or between the provision of this code and any state, local and/or federal laws, rules, and regulations, including by way of

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example, the City of Goodyear Engineering Design Standards and Policies as adopted and amended by the governing authority and technical codes as adopted and amended by the governing authority, the most restrictive requirements shall apply.

Exceptions:

1. Where enforcement of a code provision would violate the conditions of the listing of equipment or appliances as approved by the City of Goodyear, the conditions of the listing and manufacturer's instructions shall apply.
2. Where there is a provision contained in another technical code as adopted and amended by the governing authority that is not addressed in this code then the provision of the technical code shall apply.

Section 102.7.2 "Provisions in referenced codes and standards," is hereby deleted in its entirety.

Section 104.7 "Official Records," is hereby amended as follows:

104.6 Official Records.

The fire code official shall keep official records as required by Sections 104.7.1 through 104.7.6 and all other records required to be retained by law. Such official records shall be retained in the official records for the period required for retention of public records.

Section 105.1.1 "Permits required," is hereby amended by adding the following sentence to the end of the section:

Permits are non-transferable and any change in occupancy, operation, tenancy, or ownership shall require a new permit.

Section 105.2 "Application," is hereby deleted in its entirety and replaced with the following:

105.2 Application.

To obtain a permit, the applicant shall submit a written application, all required supporting documentation and all applicable fees in accordance with the applicable requirements set forth in the City of Goodyear Administrative Process Manual as adopted and amended by the governing authority and as supplemented herein. If the applicable permit application requires the disclosure of occupancy classifications, the application shall indicate the proposed occupancy classifications for all

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parts of the building and of that portion of the site or lot, if any not covered by the building or structure.

Section 105.2.1 "Refusal to issue permit," is hereby amended by deleting the last sentence in its entirety and replacing it with the following to read as follows:

Such refusal shall be in writing and shall contain the reasons for refusal.

Section 105.2.3 "Time limitation of application," is hereby deleted in its entirety and replaced with the following:

105.2.3 Time limitation of application.

In the event a permit has not been issued or an application for a permit has not been denied, an application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, except that the fire code official is authorized to grant one or more extensions of time for additional periods not to exceed 90 days each. The extension shall be requested in writing and justifiable cause demonstrated to the fire code official before any extension is granted.

Section 105.2.4 "Action on application," is hereby deleted in its entirety and replaced with the following:

105.2.4 Action on application.

The fire code official shall examine or cause to be examined applications for permits and amendments thereto in accordance with the requirements set forth in the City of Goodyear Administrative Process Manual as adopted and amended by the governing authority as supplemented herein. If the application and/or supporting documentation does not conform to the requirements of applicable laws, the fire code official shall reject such application in writing stating the reasons therefor. If the fire code official is satisfied that the proposed work conforms to the requirements of this code and laws and ordinances applicable thereto and all applicable fees have been paid, the fire code official shall issue a permit therefore as soon as practicable.

Section 105.3.1 "Expiration," is hereby deleted in its entirety and replaced with the following:

105.3.1 Expiration.

Every permit issued shall expire by limitation and become null and void if the work authorized by such permit is not commenced within 180 days after its issuance or if the work authorized by such permit is suspended or

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abandoned for a period of 180 days after the work is commenced. Notwithstanding the foregoing, a permittee holding an unexpired permit shall have the right to apply in writing to extend the expiration deadlines set forth herein. The fire code official is authorized to grant, in writing, one extension of time for a period of not more than 180 days provided that the permittee has demonstrated in writing that no changes have been made or will be made in the original construction documents for the permitted work and that justifiable cause exists for the failure to commence the work within 180 days or for the suspension of abandonment of the work after it was commenced. The fee for the extension shall be the cost of reviewing the application at a rate of \$100.00 per hour with a minimum charge of one hour. In order to renew action on a permit after expiration, a new permit fee, as determined by the fire code official, shall be paid based on the current fee schedule adopted by the City.

Section 105.5 "Required Operational Permits," is deleted in its entirety and replaced with the following:

105.5 Required Operational Permits.

Operational permits are required for the operations set forth in section 105.5.1 through 105.5.57. Operational permits are in addition to required construction permits. The Fire Chief is authorized to issue the operational permits required herein.

Section 105.5.17 "Fire hydrants and valves," is hereby deleted in its entirety and replaced with the following:

105.5.17 Fire hydrants and valves.

Except for authorized employees of the City of Goodyear Fire Department or any fire department that is subject to an automatic aid or mutual aid agreement with the City of Goodyear for the assistance in responding to fires and other types of emergency incidents, an operational permit is required to use or operate fire hydrants or valves intended for fire suppression purposes that are installed on the City of Goodyear's water system and accessible to a fire apparatus access road that is open to or generally used by the public. Approval to use or operate fire hydrants or valves that are part of private water company's water system is regulated by the private water company.

Section 105.5.30 "LP-gas," is hereby amended as follows:

Item 2 requiring an operation permit for the operation of cargo tankers that transport LP-gas is hereby deleted.

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Section 106.1 "Submittals," is hereby deleted in its entirety and replaced with the following:

106.1 Submittals.

Construction documents and supporting data shall be submitted in accordance with the applicable requirements set forth in the City of Goodyear Administrative Process Manual as adopted and amended by the governing authority and in accordance with the requirements set forth in Sections 106.2.1 through 106.2.4 and all subsections therein, and in Section 107.3.4 and all subsections therein of the International Building Code as adopted and amended by the governing authority, as applicable and as otherwise supplemented herein. In the event of a conflict, the most restrictive provisions shall apply. All construction documents and supporting data shall be prepared by a professional registrant with the Arizona Board of Technical registration, or in lieu of being designed by a professional registrant with the Arizona Board of Technical registration , fire sprinkler installation drawings shall bear a review certification of a minimum Level III National Institute for the Certification of Engineering Technologies (NICET) in Fire Sprinkler Systems , and fire alarm installation drawings shall bear a review certification of a minimum Level III National Institute for the Certification of Engineering Technologies (NICET) in Fire Alarm Systems, and emergency responder radio coverage systems shall bear a review certification of a minimum IB-PSC National Institute for the Certification of Engineering Technologies (NICET) for In-Building Public Safety Communications.

Exception: The fire code official shall have the authority to waive the submission of construction documents , calculations or other data if the nature of the work applied for is such that the reviewing of construction documents is not necessary to determine compliance with this code and the authority to waive the requirement that construction documents, calculations and or other data be prepared and designed by a professional registrant if compliance with the requirements of this code can be determined by the fire code official.

Section 108 "Fees," is hereby deleted in its entirety and replaced with the following:

108.1 Fees.

Fees are established per section 109 of the International Building Code and the City of Goodyear fee schedule as adopted by City Council.

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Section 112 "Means of Appeals," is deleted in its entirety and replaced with the following:

SECTION 112 MEANS OF APPEALS

112.1 General.

Any person shall have the right to appeal a decision of the fire code official to the Board of Appeals as provided in Section 113 Board of Appeals, Sections 113.1 through 113.8 and all subsections therein of the International Building Code as adopted and amended by the governing authority.

Section 113.1 "Unlawful acts," is hereby deleted in its entirety and replaced with the following:

113.1 Unlawful acts.

It shall be unlawful for:

1. Any person to erect, construct, install, alter, extend, repair, move, remove, or demolish any building, structure, premises, system or equipment regulated by this code in violation of any of the provision of this code; or to cause or allow same to be done.
2. Any person to erect, construct, install, alter, extend, repair, move, remove, or demolish any building, structure, premises, system or equipment in violation of approved construction plans or any direction of the fire code official or of a permit or certificate issued under the provisions of this code or to cause or allow same to be done.
3. Any person to occupy or use any building, structure, premises, system, or equipment regulated by this code in violation of any provisions of this code or any direction of the fire code official or of a permit or certificate issued under the provisions of this code, or to cause or allow same to be done.
4. Any Owner to fail to take actions necessary to correct conditions in any building, structure, or equipment regulated by this code that is in violation of any provisions to bring such building, structure or equipment in compliance with the provisions of this code.
5. Any person to violate or fail to comply with notices and orders issued pursuant to the enforcement of this code, including by way of example, but not limitation, provisions of notices of violations, notices of unsafe conditions, and stop work orders.

Section 113.3 "Notice of violation," is hereby deleted in its entirety and replaced with the following:

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113.3 Notice of violation.

Whenever the fire code official determines that there has been a violation of this code or has grounds to believe that a violation has occurred, the fire code official may provide a written warning by attaching the warning in a conspicuous place in or about the structure affected by such notice. Such warnings shall include at least the following, a description of the real estate sufficient for identification, description of the violation(s) and why the notice is being issued and the corrective actions that need to be taken. Whenever the fire code official determines that there has been a violation of this code or has grounds to believe that a violation has occurred and the fire code official wants to prosecute such violation, a notice of the violation shall be given to the person(s) responsible for the violation as prescribed in section 113.3.1 below and the notice of violation shall be in accordance with all of the following:

1. Be in writing.
2. Include a description of the real estate sufficient for identification.
3. Include a statement of the violation or violations and why the notice is being issued.
4. Correction orders shall be included in the notice which shall provide a reasonable time to make the repairs and improvements required or to take other such actions needed for compliance with the provisions of this code.
5. Include information on the right to appeal the notice of violation.
6. Include a statement of the right to file a lien in accordance with the provisions of Section 109.3.3 Prosecution of violation.

Section 113.3.1 "Service," is hereby added as follows:

113.3.1 Service.

A notice of violation or order prescribed in Section 113.3 shall be deemed to be served if a copy of the notice or order is:

1. Delivered personally; or
2. Mail by certified mail with return receipt requested to the last known address.
3. If the notice or order is returned showing that the notice or order was not delivered, a copy thereof shall be posted in a conspicuous place in or about the structure affected by such notice or order.
4. If more than one person owns a building or structure that is the subject of a notice or order, service to just one of the owners satisfies the requirement of providing the owner notice.

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5. Service of a notice or order in the foregoing manner upon an owner ' s agent, or upon the person responsible for the structure, shall constitute service of notice upon the owner.

Section 113.3.3 "Prosecution of violations," is hereby deleted in its entirety and replaced with the following:

113.3.3 Prosecution of violations.

Any person failing to comply with a notice of violation or order prepared and served in accordance with Sections 113.3 and 113.3.1 shall be deemed guilty of a misdemeanor and shall be subject to the penalties as prescribed by law. Such violations shall be deemed a strict liability offense. If the notice of violation is not complied with the fire code official is authorized to request legal counsel of the jurisdiction to institute the appropriate proceeding at law or in equity (or both) to restrain, correct or abate such violation, or to require the removal or termination of the unlawful occupancy of the structure in violation of the provision of this code or of the order or direction made pursuant thereto. Any action taken by the authority having jurisdiction on such premises shall be charged against the real estate upon which the structure is located and shall be a lien upon such real estate.

Section 113.3.5 "Transfer of ownership," is hereby added as follows:

113.3.5 Transfer of ownership.

It shall be unlawful for the owner of any building or structure who has received a notice of violation or order or upon whom a notice of violation or order has been served to sell, transfer, mortgage , lease or otherwise dispose of such building or structure to another until the provisions of the notice of violation or order have been complied with or until such owner shall first furnish the grantee, transferee, mortgagee or lessee a true copy of any notice of violation or order issued by the building official and shall furnish to the building official a signed and notarized statement that the grantee, transferee, mortgagee or lessee , acknowledging the receipt of such notice of violation or order and fully accepting responsibility without condition for making the correction of repairs required by such notice of violation or order.

Section 113.4 "Violation penalties," is hereby deleted in its entirety and replaced with the following:

113.4 Violation penalties.

Any person who violates a provision of this code or fails to comply with any of the requirements thereof; erects, constructs, alters, or repairs a

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building or structure in violation of the approved construction documents or directive of the fire code official or of a permit or certificate issued under the provisions of this code; or who fails to comply with a notice of violation or order prepared and served in accordance with Sections 113.3 and 113.3.1 shall be deemed guilty of a misdemeanor and shall be subject to the penalties as prescribed by law. Violations shall be deemed a strict liability offense. Each day that a violation continues after due notice has been served shall be deemed a separate offense.

Section 114.3.1 "Imminent danger," is hereby added as follows:

114.3.1 Imminent danger.

Where an imminent danger exists, the fire code official shall not be required to give a written notice prior to stopping work.

Section 114.4 "Failure to comply," is hereby deleted in its entirety and replaced with the following:

114.4 Unlawful continuances.

Upon issuance of a stop work order, the cited work shall immediately cease. 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 subject to the penalties as prescribed by law.

2. CHAPTER 2 "DEFINITIONS," is hereby amended as follows:

Section 201.1 "Scope," is hereby deleted in its entirety and replaced with the following:

201.1 Scope.

Unless otherwise expressly stated, the following words and terms shall, for the purposes of this code, have the meaning shown in this chapter regardless of whether the words are italicized, capitalized, or otherwise designated in the text as being a defined term.

Section 201.3 "Terms defined in other codes," is hereby deleted in its entirety and replaced with the following:

201.3 Terms defined in other codes.

Where terms are not defined in this code and are defined in the International Energy Conservation Code, International Fuel Gas Code, International Fire Code, International Mechanical Code, International Plumbing Code, International Residential Code for One and Two-Family

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Dwellings, International Property Maintenance Code as adopted and amended by the governing authority, such terms shall have the meanings ascribed to them in those codes.

Section 202 "General Definitions," is hereby amended as follows:

Section 202 is amended to add the following definitions:

CONFLICT. A situation in which it is impossible to comply with provisions applicable to the same subject; a conflict does not exist when different provisions address the same subject and can be complied with without violating either provision.

BUILD TO RENT. A “build to rent”, “single family rental”, or a similar description of a product that is located on a single parcel, is not intended to be individually purchased, and is intended to be rented are considered a multi-family type product for the purpose of applying requirements for fire sprinkler protection. Whether the product is constructed under the International Residential Code or the International Building Code, will not have a bearing on excluding the fire sprinkler requirements.

EASEMENT. That portion of land or property reserved for present or future use by a person or agency other than the legal fee owner(s) of the property. The easement shall be permitted to be for use under, on or above said lots.

FIRE ALARM CONTROL UNIT. A system component that receives inputs from automatic and manual fire alarm devices and may be capable of supplying power to detection devices and transponder(s) or off-premises transmitter(s). The control unit may be capable of providing a transfer of power to the notification appliances and transfer of condition to relays or devices. The fire alarm control unit shall be of the addressable type.

FIRE ALARM SYSTEM. A system or portion of a combination system consisting of components and circuits arranged to monitor and annunciate the status of fire alarm or supervisory signal-initiating devices and to initiate the appropriate response to those signals. The fire alarm system shall be of the addressable type.

GOVERNING AUTHORITY. The Mayor and Council of the City of Goodyear.

Group R single stair buildings. A residential structure, more than three (3) stories and is constructed with a single access stair point. Structures

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meeting this definition are to meet the requirements of Section 420.12 of the International Building Code – City of Goodyear Amendments.

IMMINENT DANGER. A condition which could cause serious or life-threatening injury or death at any time.

OPERATOR. Any person who has charge, care or control of a structure or premises which is let or offered for occupancy.

OWNER. Any person, agent, operator, firm or corporation having a legal or equitable interest in the property; or recorded in the official records of the state, county or municipality as holding title to the property; or otherwise having control of the property, including the guardian of the estate of any such person and the executor or administrator of the estate of such person if ordered to take possession of real property by a court.

PERSON. An individual, corporation, partnership, or any other legal entity.

PREMISES. A lot, plot or parcel of land, easement or public way including any structures thereon.

REPAIR. Repair of any fire protection equipment is defined as a "like for like" replacement of a component. The component replaced must be from the same manufacturer, be the same model, and be the same part number.

REPLACEMENT. Replacement of any fire protection system component for any fire protection system must be by the same manufacturer, the same model, and the same part number. Replacement of a component by a different manufacturer, model, or part number due to obsolescence is considered an upgrade.

STRICT LIABILITY OFFENSE. An offense in which the prosecution in a legal proceeding is not required to prove criminal intent as a part of its case. It is enough to prove that the defendant either did an act which was prohibited or failed to do an act which the defendant was legally required to do.

TEMPORARY. For a period not to exceed 180 days.

UPGRADE. Upgrade of a fire protection system is anytime a major system component is replaced by a different manufacturer, model, or part number due to obsolescence or to expand capacity. Upgrades of the fire

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protection system shall the entire fire protection system to meet all current Fire Code and NFPA requirements.

The following sub sections of "Section 203 - Occupancy Classification and Use" are amended to read as follows:

203.7.1 Institutional Group 1-1.

This occupancy shall include buildings, structures or parts thereof for more than 16 persons who reside on a 24-hour basis in a supervised environment and receive custodial care. The persons receiving care are capable of self-preservation. This group shall include, but not be limited to, the following:

- Alcohol and drug centers
- Assisted living facilities
- Congregate care facilities
- Convalescent facilities
- Group homes
- Half-way houses
- Residential board and custodial care facilities
- Social rehabilitation facilities

203.7.1.3 Six to sixteen persons receiving care. A facility such as above, housing at least six and not more than 16 persons receiving such care shall be classified as Group R-4.

203.7.1.4 Five or fewer persons receiving care. A facility such as above with five or fewer persons receiving such care shall be classified as Group R-3 or shall comply with the International Residential Code provided an automatic sprinkler system is installed in accordance with Section 903.3.1.3 as amended or Section P2904 of the International Residential Code. Automatic sprinkler systems are not required in one- and two- family (Group R-3) structures complying with the exceptions noted under Section 903.2.8 of this code as amended by this ordinance.

203.7.1.5 Arizona State Department of Health Facilities. All facilities as licensed by the State of Arizona Department of Health, further known, but not limited to, as direct care, personal care, supervisory care and behavioral residential agency, housing at least six and not more than 10 persons shall be considered a Group R-4.

203.9.3 Residential Group R-3.

Residential occupancies where the occupants are primarily permanent in nature and not classified as Group R-1, R-2, R-4 or I, including:

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Boarding houses (nontransient) with 16 or fewer occupants
Boarding houses (transient) with 10 or fewer occupants
Buildings that do not contain more than two dwelling units
Care facilities that provide accommodations for five or fewer persons receiving care
Congregate living facilities (nontransient) with 16 or fewer occupants
Congregate living facilities (transient) with 10 or fewer occupants

203.9.3.1 Care facilities within a dwelling.

Care facilities for five or fewer persons receiving care that are within a single-family dwelling are permitted to comply with the International Residential Code provided an automatic sprinkler system is installed in accordance with Section 903.3.1.3 with amendments or Section P2904 of the International Residential Code. Automatic sprinkler systems are not required in one- and two- family (Group R-3) structures complying with the exceptions noted under Section 903.2.8 of this code as amended by this ordinance.

203.9.4 Residential Group R-4.

This occupancy shall include buildings, structures or portions thereof for more than five but not more than 16 persons, excluding staff, who reside on a 24- hour basis in a supervised residential environment and receive custodial care. The persons receiving care are capable of self-preservation. This group shall include, but not be limited to, the following:

Alcohol and drug centers
Assisted living facilities
Congregate care facilities
Convalescent facilities
Group homes
Halfway houses
Residential board and custodial care facilities
Social rehabilitation facilities

203.9.5 Arizona State Department of Health Facilities, which includes all facilities as licensed by the State of Arizona Department of Health, further known, but not limited to, as direct care, personal care, supervisory care and behavioral residential agency, housing at least six and not more than 10 persons shall be considered a Group R-4 occupancy.

Group R-4 occupancies shall meet the requirements for construction as defined for Group R-3, except as otherwise provided for in the

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International Building Code as adopted and amended by the governing authority.

3. CHAPTER 5 "FIRE SERVICE FEATURES," is amended as follows:

Section 503.1.1 "Buildings and Facilities," is hereby deleted in its entirety and replaced with the following:

503.1.1 Buildings and Facilities.

Approved fire apparatus access roads shall be provided for every facility, building or portion of a building hereafter constructed or moved into or within the jurisdiction. The fire apparatus access road shall comply with the requirements of this section and shall extend to within 150 feet (45 720 mm) of all portions of the facility and all portions of the exterior walls of the first story of the building as measured by an approved route around the exterior of the building or facility.

Exception: The fire code official is authorized to increase the dimension of 150 feet (45 720 mm) when there are not more than two Group R-3 or Group U occupancies.

Section 503.3 "Marking," is hereby deleted in its entirety and replaced with the following:

503.3 Marking.

Where required by the fire code official, approved signs or other approved notices or markings that include the words "NO PARKING-FIRE LANE" shall be provided for fire apparatus access roads to identify such roads or prohibit the obstruction thereof. Signage shall be in accordance with the City of Goodyear Engineering Design Standards and Policies Manual as adopted and amended from time to time. Signs shall be installed perpendicular and double sided when placed on one side of a fire apparatus access roads.

The means by which fire lanes are designated shall be maintained in a clean and legible condition at all times and replaced or repaired when necessary to provide adequate visibility. Signs shall not be greater than 100' 0" (30.48m) apart and shall be posted at the beginning and end of the fire lane.

In addition to or in lieu of the required fire lane signage the Fire Code Official may approve curb, street or driveway painted red to indicate fire lane and labeled " FIRE LANE NO PARKING " in white block letters 3 inches (76.2mm) in height, ¾ inch (19.5mm) stroke, on the vertical face of

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the curb to indicate fire lane. Lettering shall not be greater than 50' 0" (15.24m) apart and shall be posted at the beginning and end of the fire lane.

Section 503.6 "Security gates," is deleted in its entirety and replaced, to include Sections 503.6.1 through 503.6.12, with the following:

503.6 Security gates.

The installation of security gates across a fire apparatus access road shall be approved by the fire code official. 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. Electric gate operators, where provided, shall be listed in accordance with UL 325. Gates intended for automatic operation shall be designed, constructed and installed to comply with the requirements of ASTM F2200 and the following:

503.6.1 Obstruction.

The gates shall be designed so that the access roadway or turning radius 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 control panel. Turning radius from the public street shall meet the requirements of the Goodyear Fire Department.

503.6.2 Width.

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

503.6.3 Divided entrance.

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

503.6.4 Access controls.

Access controls shall be exterior to the gate, installed a minimum of ten (10) feet from the gate, and located for activation by the vehicle operator without dismounting from the vehicle. The height of the key switch/control panel shall be sixty-six (66) inches, measured from the finished grade line of the street.

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503.6.5 Lock box.

The lock box, padlock and/or key switch, must be an approved model utilized by the Goodyear Fire Department. The current approved manufacturer of the lock box, padlock, or key switch is The Knox Company.

503.6.6 Traffic pre-emption.

A Traffic Pre-emption opening device shall be installed on all motorized gates. An Opticom, 3M, Model 722 receiver (no coding model) or compatible shall be used.

503.6.7 Activation.

Gates must open to a clear width of twenty (20) feet within twenty (20) seconds of activation and remain in the open position until closed by operation of the electrical control device.

503.6.8 Control pedestal.

The control pedestal must be identified with an approved sign using white letters on a red background. This sign must be of reflective material, securely fastened to the pedestal, and legible from the approaching vehicle: FD ACCESS.

503.6.9 Battery backup.

Battery back-up for all motorized gates is required, unless the gate will fail safe in the open position in the event of a loss of power.

503.6.10 Secondary exit.

Secondary "Exit Only" gates from properties shall be set up for Goodyear Fire Department emergency access. Exit only gates, which are not motorized, shall be installed per Goodyear Fire Department standards. 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.

503.6.11 Operation.

Operation at the electric gate shall be by either pre-emption device or key switch.

503.6.12 Exiting.

If exiting through an electric gate is not automatic, a pre-emption device and a key switch are required on the inside to allow the Fire Department emergency operation.

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Section 505.1 "Address Identification," is hereby deleted in its entirety and replaced with the following:

505.1 Address Identification.

New and existing buildings shall have approved address numbers, building numbers or approved building identification placed in a position that is plainly legible and visible from the street or road fronting the property. Landscaping or structures cannot obscure addresses or required signage. These numbers shall contrast with their background and shall be weather resistant. Where required by the fire code official, address numbers shall be provided in additional approved locations to facilitate emergency response. Address numbers shall be Arabic numbers or alphabetical letters. Unless otherwise provided herein, numbers shall be a minimum of 4 inches (101.6 mm) high with a minimum stroke width of 0.5 inch (12.7 mm). Where access is by means of a private road and the building cannot be viewed from the public way, a monument, pole or other sign or means shall be used to identify the structure. Address numbers shall be maintained and sized in accordance with the following:

505.1.1 One- and two-family dwellings.

One and two-family dwellings and commercial businesses being conducted in a one or two-family dwelling shall require minimum four (4) inch high numbers or letters with a minimum 1/2-inch stroke width and be of a contrasting color.

505.1.2 Triplexes and multifamily dwellings.

Triplexes and multifamily dwellings shall post building numbers a minimum of fifteen (15) inches high with a three (3) inch stroke. The minimum size unit numbers are to be seven (7) inches high with a one (1) inch stroke and must show the unit ranges per floor. All address numbers must be of a contrasting color, and mounted high on the building and be visible from the street or drive aisle. Building orientation or size may require additional address locations.

505.1.3 Less than 75 feet.

Commercial buildings located less than seventy-five (75) feet from a public right-of-way (the street on which the property is addressed) shall post minimum twelve (12) inch high numbers or letters having a minimum two (2) inch stroke width and be of a contrasting color.

505.1.4 Less than 200 feet.

Commercial buildings located more than seventy-five (75) feet and up to two hundred (200) feet from a public right-of-way (the street on which the property is addressed) shall post minimum sixteen (16) inch high

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numbers or letters having a minimum three (3) inch stroke width and be of a contrasting color.

505.1.5 More than 200 feet.

Commercial buildings located more than two hundred (200) feet from a public right-of-way (the street on which the property is addressed) shall post twenty-four (24) inch high numbers or letters having a four (4) inch stroke width and be of a contrasting color.

505.1.6 Suites.

Unit or suite numerals and/or letters shall be required on or adjacent to the front door and on the rear door of multi-tenant buildings to be immediately visible. Letters or numerals shall be a minimum four (4) inch high with a minimum 1/2-inch stroke width in a color contrasting to the door and shall be weather-resistant.

505.1.7 Large buildings.

Large Office and Warehouse Buildings, regardless of the distance from the public right of way (the street on which the property is addressed) shall post twenty-four (24) inch high numbers with a four (4) inch stroke with contrasting background. Address must be visible from all access directions. Buildings over five hundred (500) feet long will require two (2) address locations if more than one access point is visible.

505.1.8 Doors.

In large or complex buildings or structures with four (4) or more doors in anyone building plane, all doors shall be numbered sequentially around the building or structure. Minimum twelve (12) inch high numbers or letters having a minimum two (2) inch stroke width or as required by the fire code official and be of a contrasting color.

505.1.9 Exceptions.

Exceptions to these requirements shall be approved by the Fire Code Official.

Section 505.3 “Campus plan,” is hereby added as follows:

505.3 Campus plan.

An approved campus plan shall be installed at properties with more than one (1) principal building, buildings with unit identification numbers, or when, in the opinion of the fire code official, emergency response may be delayed due to the physical layout of the complex. (Example: multi-family buildings, business office condos). The campus plan is to be installed at the main entrance. In the case of multiple entrance locations, a campus

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plan is to be installed at those locations. The campus plan shall meet the following requirements:

505.3.1 Specifications.

Drawings and/or samples shall be submitted to the Fire Department for review and approval for all required campus plans.

505.3.2 Dimensions.

The minimum size for the campus plan is to be three (3) feet by three (3) feet. Larger sizes may be required where the site cannot fit on the standard size and still be legible. Approval of the size of the campus plan is by the Fire Department.

505.3.3 Protection.

The campus plan is to be suitably constructed to be installed outdoors. The graphics shall be protected from vandalism and weather by a clear polycarbonate cover. The cover shall be a minimum of 1/8" thick and sealed to protect the graphics from weather damage.

505.3.4 Illumination.

The campus plan is to be illuminated internally by a white light. The light shall be sufficient to illuminate the entire site plan with even light. The campus plan is to be illuminated from dusk to dawn. The illumination can be turned on and off by an automatic timer or photocell.

505.3.5 Installation requirements.

The campus plan is to be installed a minimum of thirty-six (36) inches above the finished grade. Larger sizes of campus plans can be mounted no lower than twenty-four (24) inches when approved by the Fire Code Official. The support post or stanchions are to be set in concrete.

505.3.6 Depiction requirements.

The campus plan shall depict the site in a clear, easily understood manner from eight (8) feet. The campus plan shall depict structures, building numbers, units, apartment space numbers, tennis courts, swimming pools, driveways, streets, fire hydrants and any other areas as determined by the Fire Code Official. Construction of the campus plan shall comply with the following requirements:

1. Campus plans shall be a dark print on a contrasting light background.
2. The name and address of the complex are required but shall not exceed ten (10) percent of the total size of the campus plan.
3. Any water areas shall be blue (i.e.: pools, fountains, canals, etc.).
4. Tennis courts shall be green.

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5. Fire hydrants shall be a one-quarter ($\frac{1}{4}$)-inch diameter black circle filled with a yellow center. The abbreviation "HYD" must be affixed by the location of the hydrant on the campus plan.
6. The campus plan shall be oriented to the viewer with a red symbol, one (1) inch in diameter, with the words "YOU ARE HERE" affixed at the appropriate location of the campus plan.
7. North must be indicated on the site plan by an arrow no less than three (3) inch in size.
8. The building numbers must be one (1) inch in diameter, located directly adjacent to the building on the driveway side.
9. The colors used on the campus plan may not be duplicated to represent more than one (1) item.

505.3.7 Setback requirements.

The campus plan shall be installed on the occupant's property. A scaled plan shall be submitted showing the proposed location of the address directory, streets, drive aisles, any gate controls and traffic islands.

1. The location of the campus plan shall be far enough from the street for the fire apparatus to be safely on the property while reviewing the address directory. The location of the campus plan cannot conflict with the traffic visibility zone.
2. No landscape or architectural designs may obstruct the viewing of the campus plan.

505.3.8 Prohibitions.

No advertising or additional artwork is allowed on the campus plan.

Section 506.3 "Multi-tenant buildings," is hereby added to read as follows:

506.3 Multi-tenant buildings.

In multi-tenant buildings there shall be 1 key box installed for every 4 tenant suites or fraction thereof. Location of key boxes and signage shall be as required by the fire code official.

Section 506.4 "Additional Key Boxes," is hereby added to read as follows:

506.4 Additional key boxes.

Additional key boxes may be required to be installed due to the size, configuration or nature of the business as required by the fire code official.

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Section 506.5 "Key Type," is hereby added to read as follows:

506.5 Key type.

Keys shall be of the manual type. Other types of access, such as electronic cards, shall be as approved by the fire code official.

Section 507.5 "Fire hydrant systems," is hereby deleted in its entirety and replaced with the following:

507.5 Fire hydrant systems.

Fire hydrant systems shall comply with Sections 507.5.1 through 507.5.6, and on-site fire hydrants spacing, and mains shall be provided where required by the City of Goodyear Engineering Design Standards and Policies Manual and the fire code official.

Section 507.5.1 "Where required," is hereby amended as follows:

Exceptions #1 and #2 are deleted in their entirety.

Section 509.1.2 "Electric vehicle charging systems," is hereby added as follows:

509.1.2 Electric vehicle charging systems.

All electric vehicle charging systems, to include new and existing locations, are to have an approved sign attached or placed in close proximity to the charging system that details the location of the means of disconnect, to include when required, panel designation and circuit breaker numbers. The approved sign is to be permanent in nature and clearly identifiable.

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4. CHAPTER 9 "FIRE PROTECTION AND LIFE SAFETY SYSTEMS," is amended as follows:

Section 903.2 "Where required," is hereby deleted in its entirety and replaced with the following:

903.2 Where required.

Approved automatic sprinkler systems in new buildings and structures shall be provided in the locations described in Sections 903.2.1 through 903.2.12 as amended herein, except for telecommunication buildings, existing structures, special amusement buildings and exempt locations as follows:

Exceptions:

Telecommunications building: 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 smoke detection system in accordance with Section 907.2 and are separated from the remainder of the building by not less than 1-hour fire barriers constructed in accordance with Section 707 of the International Building Code or not less than 2-hour horizontal assemblies constructed in accordance with Section 711 of the International Building Code, or both.

Existing Structures: An automatic sprinkler system shall not be required to be retrofitted in existing buildings where the occupancy is changed provided the new or proposed use is no more hazardous, based on life safety and fire risk, than the existing use and the existing structure is not increased more than an aggregate total of all additions of 500 square feet. The determination of whether the new or proposed use is less hazardous shall be made by the fire code official in his/her discretion.

Special Amusement Buildings: Automatic sprinkler systems shall not be required for temporary special amusement buildings pursuant to the Exception in Section 411.2 of the International Building Code.

Section 903.2.1.1 "Group A-1," is hereby deleted in its entirety and replaced with the following:

903.2.1.1 Group A-1.

An automatic sprinkler system shall be provided throughout buildings containing Group A-1 occupancies.

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Section 903.2.1.2 "Group A-2," is hereby deleted in its entirety and replaced with the following:

903.2.1.2 Group A-2.

An automatic sprinkler system shall be provided throughout buildings containing Group A-2 occupancies.

Section 903.2.1.3 "Group A-3," is hereby deleted in its entirety and replaced with the following:

903.2.1.3 Group A-3.

An automatic sprinkler system shall be provided throughout buildings containing Group A-3 occupancies.

Section 903.2.1.4 "Group A-4," is hereby deleted in its entirety and replaced with the following:

903.2.1.4 Group A-4.

An automatic sprinkler system shall be provided throughout buildings containing Group A-4 occupancies.

Section 903.2.1.5 "Group A-5," is hereby deleted in its entirety and replaced with the following:

903.2.1.5 Group A-5.

An automatic sprinkler system shall be provided for all enclosed Group A-5 occupancies, including all accessory use areas, which includes, but is not limited to: concession stands, retail areas, and press boxes.

Section 903.2.2 "Group B," is hereby deleted in its entirety and replaced with the following:

903.2.2 Group B.

An automatic sprinkler system shall be provided throughout buildings containing Group B occupancies.

Section 903.2.2.1 "Ambulatory care facilities," is hereby deleted in its entirety and replaced with the following:

903.2.2.1 Ambulatory care facilities.

An automatic sprinkler system shall be provided throughout the area containing ambulatory care facilities.

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Section 903.2.3 "Group E," is hereby deleted in its entirety and replaced with the following:

903.2.3 Group E.

An automatic sprinkler system shall be provided throughout buildings containing Group E occupancies.

Section 903.2.4 "Group F-1," is hereby deleted in its entirety and replaced with the following:

903.2.4 Groups F-1, F-2 and U.

An automatic sprinkler system shall be provided throughout buildings containing Groups F-1, F-2, and U occupancies.

Section 903.2.4.1 "Woodworking operations," is hereby deleted in its entirety.

Section 903.2.7 "Group M," is hereby deleted in its entirety and replaced with the following:

903.2.7 Group M.

An automatic sprinkler system shall be provided throughout buildings containing Group M occupancies.

Section 903.2.7.1 "High-piled storage," is hereby deleted in its entirety.

Section 903.2.8 "Group R," is hereby deleted in its entirety and replaced with the following:

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, to include "Build for Rent" type multifamily project, except as follows:

Exception:

Automatic sprinkler systems shall not be required in one- and two-family dwellings and R-3 occupancies that are less than 5,000 square feet when there is adequate water supply and an approved fire apparatus access road. When there is inadequate water supply or limited fire department access, automatic sprinkler systems shall not be required in one- and two-family dwellings and R-3 occupancies that are less than 3,600 square feet. The square footage shall be determined based on the total floor area, which includes the living area, attached garages and areas under

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roof or horizontal projections, including but not limited to, porches, sunrooms, courts, etc.

Detached structures not satisfying the required fire separation distance shall be considered as part of the total square footage of the main structure.

This exception does not apply to care facilities located in one- or two-family dwellings where the occupants are incapable of self-preservation or Build to Rent properties.

Section 903.2.8.4 "Special Requirements for Arizona State Department of Health Facilities" is hereby added as follows:

903.2.8.4 Special Requirements for Arizona State Department of Health Facilities.

All facilities as licensed by the State of Arizona Department of Health, further known, but not limited to, as direct care, personal care and supervisory care, housing at least six and not more than 10 persons shall be considered a Group R-4.

Section 903.2.8.5 "Special Requirements for Group R Occupancies" is hereby added as follows:

903.2.8.5 Special Requirements for Group R-4 Occupancies.
Fire sprinklers shall be installed in all attached garages.

Section 903.2.9 "Group S-1," is hereby deleted in its entirety and replaced with the following:

903.2.9 Group S-1.

An automatic sprinkler system shall be provided throughout all buildings containing Group S-1 occupancies.

Section 903.2.9.1 "Repair garages," is hereby deleted in its entirety.

Section 903.2.9.2 "Bulk storage of tires," is hereby deleted in its entirety.

Section 903.2.9.3 "Group S-1 distilled spirits or wine," is hereby deleted in its entirety.

Section 903.2.9.4 "Group S-1 upholstered furniture and mattresses," is hereby deleted in its entirety.

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Section 903.2.10 "Group S-2," is hereby deleted in its entirety and replaced with the following:

903.2.10 Group S-2. An automatic sprinkler system shall be provided throughout all buildings containing Group S-2 occupancies.

Section 903.2.10.1 "Commercial parking garages," is hereby deleted in its entirety.

Section 903.2.10.2 "Mechanical access enclosed parking garages," is hereby deleted in its entirety.

Section 903.2.11 "Specific buildings areas and hazards," is hereby deleted in its entirety and replaced with the following:

903.2.11 Specific buildings areas and hazards.

In all occupancies requiring automatic sprinkler systems, an automatic sprinkler system shall be installed for building design or hazards in locations set forth in Sections 903.2.11.1 through 903.2.11.6 as amended herein:

Section 903.2.11.1 "Stories without openings," is hereby deleted in its entirety and replaced with the following:

903.2.11.1 Stories without openings.

An automatic sprinkler system shall be provided throughout all stories, including basements.

Section 903.2.11.3 "Buildings 55 feet or more in height," is hereby deleted in its entirety and replaced with the following:

903.2.11.3 Buildings height.

An automatic sprinkler system shall be installed throughout all buildings regardless of the occupant load and the use.

Section 903.3.1.1.2 "Bathrooms." is hereby deleted in its entirety and replaced with the following:

903.3.1.1.2 Accessory exempt locations.

An automatic sprinkler system shall not be required in the following buildings, rooms or areas:

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1. Detached storage sheds, detached private garages, detached gazebos and ramadas for private, residential and non-commercial uses.
2. Detached restroom buildings at parks, golf courses and similar locations not exceeding 1,500 square feet with storage areas not exceeding 100 square feet.
3. Non-combustible detached gazebos, ramadas and greenhouses for public use not exceeding 1,500 square feet.
4. Non-combustible detached wash racks and canopies with flame retardant sunscreen.
5. Agricultural buildings, animal shelters, greenhouses, grain silos and barn accessories to a residential occupancy not exceeding 1,500 square feet with no habitable space.
6. Detached hay barns with no accessory storage or uses and no habitation areas.
7. Open shade horse stalls of non-combustible construction for private, residential non-commercial use not exceeding 5,000 square feet with no storage of combustible products, vehicles, or agricultural equipment.
8. Detached non-combustible carports for residential and commercial developments with covered parking.
9. Temporary tents and membrane structures for approved special events.
10. Detached temporary modular sales offices.
11. Special use structures as approved by the fire code official.

Section 903.3.1.2.4 “Floor control valve assemblies,” is hereby added as follows:

903.3.1.2.4 Floor control valve assemblies.

Floor control valve assemblies shall be required for all multistory buildings, 3 or more stories in height. Floor control valve assemblies are to include a control valve, check valve, main drain valve, and flow switch for isolation, control, and annunciation of water flow for each individual floor level.

Exception: When approved by the Fire Code Official

Section 903.3.1.3.1 “Garage fire sprinkler protection,” is hereby added as follows:

903.3.1.3.1 Garage fire sprinkler protection.

When an NFPA 13D fire sprinkler system is installed in a one-and two-family dwelling; Group R-3; Group R-4, Condition 1; and townhouses with

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an attached garage, automatic fire sprinkler coverage is to extend into the attached garage. Design coverage and sprinkler head spacing shall match the interior of the residence.

Section 903.3.5.3 "Sprinkler design safety factor," is hereby added as follows:

903.3.5.3 Sprinkler design safety factor.

Automatic sprinkler systems for NFPA 13, NFPA 13R, and NFPA 13D systems shall be designed with a minimum safety factor as follows:

1. When the static pressure exceeds 80 psi, the maximum design static pressure shall be 80 psi, or 10 psi less than the actual test pressure, whichever is lower.
2. The actual flow test pressures shall be used to determine the need for sizing fire pumps, pressure reducing valve, and hanger requirements in accordance with NFPA 13, NFPA 13D, and NFPA 13R.
3. When the static pressure is less than 80 psi, a minimum 10 psi safety factor shall be provided between the available water supply and the system flow and pressure demand and shall include hose stream allowances required by NFPA 13, NFPA 13D, and NFPA 13R.

Section 907.2.1 "Group A." is hereby deleted in its entirety and replaced with the following:

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 100 or more. Group A occupancies not separated from one another in accordance with Section 707.3.10 of the International Building Code 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:

1. 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 water flow.
2. Manual fire alarm boxes and the associated occupant notification system or emergency voice/alarm communication system are not required for Group A-5 outdoor bleacher-type seating having an

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occupant load of greater than or equal to 300 and less than 15,000 occupants, provided that all of the following are met:

- 2.1 A public address system with standby power is provided.
- 2.2 Enclosed spaces attached to or within 5 feet (1524 mm) of the outdoor bleacher type seating compose, in the aggregate, a maximum of 10 percent of the overall area of the outdoor bleacher-type seating or 1,000 square feet (92.9 m²), whichever is less.
- 2.3 Enclosed accessory spaces under or attached to the outdoor bleacher-type seating shall be separated from the bleacher-type seating in accordance with Section 1030.1.1.1.
- 2.4 All means of egress from the bleacher-type seating are open to the outside.
3. Manual fire alarm boxes and the associated occupant notification system or emergency voice/alarm communications system are not required for temporary Group A-5 outdoor bleacher-type seating, provided that all of the following are met:
 - 3.1. There are no enclosed spaces under or attached to the outdoor bleacher-type seating.
 - 3.2. The bleacher-type seating is erected for a period of less than 180 days.
 - 3.3. Evacuation of the bleacher-type seating is included in an approved fire safety plan.

Section 907.2.2 "Group B." is hereby deleted in its entirety and replaced with the following:

907.2.2 Group B.

A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group B occupancies where one of the following conditions exists:

1. The combined Group B occupant load of all floors is 100 or more.
2. The fire area contains an ambulatory care facility.

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 water flow.

Section 907.2.4 "Group F." is hereby deleted in its entirety and replaced with the following:

907.2.4 Group F.

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A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group F occupancies where the occupant load due to the Group F occupancy is 100 or more.

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 water flow.

Section 907.2.5 "Group F." is hereby deleted in its entirety and replaced with the following:

907.2.5 Group H.

A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group H-1 through H-4 occupancies where the occupant load is 100 or more, Group H-5 occupancies, and in occupancies used for the manufacture of organic coatings. An automatic smoke detection system shall be installed for highly toxic gases, organic peroxides and oxidizers in accordance with Chapters 60, 62 and 63, respectively.

Section 907.2.7.1 "Occupant load." is hereby deleted in its entirety and replaced with the following:

907.2.7.1 Occupant load.

A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group M occupancies where the following exists:

1. The combined Group M occupant load of all floors is 100 or more persons.

Exceptions:

1. A manual fire alarm system is not required in covered or open mall buildings complying with Section 402 of the International Building Code.
2. 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 automatically activate throughout the notification zones upon sprinkler water flow.

Section 907.2.9.1 "Manual fire alarm system." is hereby deleted in its entirety and replaced with the following:

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907.2.9.1 Manual fire alarm system.

A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group R-2 occupancies where any of the following conditions apply:

1. Any dwelling unit or sleeping unit is located three or more stories above the lowest level of exit discharge.
2. Any dwelling unit or sleeping unit is located more than one story below the highest level of exit discharge of exits serving the dwelling unit or sleeping unit.
3. The building contains more than 16 dwelling units or sleeping units.
4. The building is more than three (3) stories and is constructed with a single access point stair.

Exceptions:

1. A fire alarm system is not required in buildings not more than two stories in height where all dwelling units or sleeping units and contiguous attic and crawl spaces are separated from each other and public or common areas by not less than 1-hour fire partitions and each dwelling unit or sleeping unit has an exit directly to a public way, egress court or yard.
2. 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 or 903.3.1.2 and the occupant notification appliances will automatically activate throughout the notification zones upon a sprinkler water flow.

Section 907.2.10 "Group S." is hereby deleted in its entirety and replaced with the following:

907.2.10 Group S.

A fire alarm system shall be installed in a Group S occupancy as required by Sections 907.2.10.1, 907.2.10.2, and 907.2.10.3.

Section 907.2.10.3 "Other Groups S." is hereby added as follows:

907.2.10.3 Other Group S.

A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group S occupancies where the occupant load is 100 or more persons. Visible notification appliances are not required within public and self-storage occupancies storage units.

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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 water flow.

Section 912.1.1 “Sizing,” is hereby added as follows”

912.1.1 Sizing.

Fire department connections shall be sized to support the system demand or fire flow demand, whichever is greater, for the system that they are connected to. The piping from the system connection to the fire department connection outlets is to be sized to flow the required demand. A sufficient number of fire department connection inlets is to be provided, at a rate of two hundred fifty (250) gpm per outlet, to meet the system demand.

Section 912.6 "Backflow protection," is hereby deleted in its entirety and replaced with the following:

912.6 Backflow protection.

The potable water supply to automatic sprinkler and standpipe systems shall be protected against backflow as required by the International Plumbing Code and the City of Goodyear Engineering Design Standards and Policies Manual.

5. CHAPTER 12 "ENERGY SYSTEMS" is amended as follows:

Section 1203.1.1 “Standby generators,” is hereby deleted in its entirety and replaced with the following:

1203.1.1 Stationary generators.

Stationary emergency and standby power generators required by this code shall be listed in accordance with UL 2200. Associated flammable or combustible liquid tanks shall also comply with Chapters 50 and 57.

Section 1203.2.20 “Connected facilities,” is hereby added as follows:

1203.2.20 Connected facilities.

Power and lighting facilities or the fire command center and elevators specified in Sections 403.4.8.1 and 403.6 of the International Building Code, as applicable, and electrically powered fire pumps required to maintain pressure, shall be transferable to the standby source. Standby

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power shall be provided for at least one elevator to serve all floors and be transferable to any elevator.

Section 1205.1.1 “Permits,” is hereby added as follows:

1205.1.1 Permits.

Permits shall be obtained for solar voltaic systems in accordance with Section 105.6.21.

Exception: Solar photovoltaic system with less than 3 kW alternating current nameplate rating.

Section 1205.1.2 “Marking,” is hereby added as follows:

1205.1.2 Marking.

Marking is required on interior and exterior direct-current (DC) conduit, enclosures, raceways, cable assemblies, junction boxes, combiner boxes and disconnects.

Section 1205.1.2.1 “Materials,” is hereby added as follows:

1205.1.2.1 Materials.

The materials used for marking shall be reflective, weather resistant and suitable for the environment. Marking as required in Section 1205.1.2 through 1205.1.6 shall have all letters capitalized with a minimum height of 3/8 inch white on red background.

Section 1205.1.2.2 “Marking content,” is hereby added as follows:

Section 1205.1.2.2 Marking content.

The marking shall contain the words “WARNING: PHOTOVOLTAIC POWER SOURCE.”

Section 1205.1.2.3 “Main service disconnect,” is hereby added as follows:

1205.1.2.3 Main service disconnect.

The marking shall be placed adjacent to the main service disconnect in a location clearly visible from the location where the disconnect is operated.

Section 1205.1.3 “Location of marking,” is hereby added as follows:

1205.1.3 Location of marking.

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Marking shall be placed on interior and exterior DC conduit, raceways, enclosures and cable assemblies every ten (10) feet, within one (1) foot or turns or bends and within (1) foot above and below penetrations of roof/ceiling assemblies, walls or barriers.

Section 1207.1.9 "Forensic analysis," is hereby added as follows:

1207.1.9 Forensic analysis.

The fire code official may also require a forensic analysis of the cause of failure by an independent laboratory approved by the fire code official, in accordance with Section 104.2.2.

Section 1207.3.4 "Energy storage management system," is hereby deleted in its entirety and amended as follows:

1207.3.4 Energy storage management system.

Where required by the ESS listing, an approved energy storage management system that monitors and balances cell voltages, currents and temperatures within the manufacturer's specifications shall be provided. The system shall disconnect electrical connections to the ESS or otherwise place it in a safe condition if potentially hazardous temperatures or other conditions such as short circuits, over voltage or under voltage are detected. The system shall transmit an alarm signal to an approved location and to an approved annunciator panel if potentially hazardous temperatures or other conditions such as short circuits, over voltage or under voltage are detected. (Material based on NFPA 855 2023 Ed.)

1207.3.4.1 Annunciator panel.

The approved annunciator panel shall visibly indicate any hazardous temperature or other conditions. The location of the annunciator panel shall be approved by the fire code official.

Section 1207.4 "General installation requirements." Is hereby deleted in its entirety and replaced with the following:

1207.4 General installation requirements.

Stationary and mobile ESS shall comply with the requirements of Sections 1207.4.1 through 1207.4.13.

Section 1207.4.13 "Location," is hereby added as follows:

1207.4.13 Location.

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Stationary storage battery systems shall not be located in the following areas:

1. Where the floor is located more than 75 feet (22 860 mm) above the lowest level of fire department vehicle access,
2. Where the floor level is located below the lowest level of exit discharge.

Exceptions:

1. Lead acid and nickel cadmium stationary storage battery systems less than 50 VAC and 60 VDC installed in facilities under the exclusive control of communications utilities in accordance with NFPA 76.
2. Where approved, installations shall be permitted in underground vaults complying with NFPA 70, Article 450, Part III.
3. Where approved by the fire code official, installations shall be permitted on higher and lower floors.
4. Installations on noncombustible rooftops of buildings exceeding 75 feet (22 860 mm) in height that do not obstruct fire department rooftop operations, where approved by the fire code official.

Section 1207.5.4 “Fire detection,” is hereby deleted in its entirety and replaced with the following:

1207.5.4 Fire detection.

An approved automatic smoke detection system or radiant energy sensing fire detection system complying with Section 907.2 shall be installed in rooms, indoor areas and walk in units containing electrochemical ESS. An approved radiant energy sensing fire detection system shall be installed to protect open parking garage and rooftop installations. Alarm and supervisory signals from detection systems shall be transmitted to a central station, proprietary or remote station service in accordance with NFPA 72, or where approved to a constantly attended location, and to an approved remote annunciator panel.

Section 1207.5.5 “Fire suppression systems,” is hereby deleted in its entirety and replaced with the following:

1207.5.5 Fire suppression systems.

Rooms and areas within buildings and walk-in units containing electrochemical ESS shall be protected by an automatic fire suppression system designed and installed in accordance with the most stringent of the following:

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1. An automatic sprinkler system designed and installed in accordance with Section 903.3.1.1 for ESS units (groups) with a maximum stored energy capacity of 50 kWh, as described in Section 1207.5.1, shall be designed with a minimum density of 0.6 gpm/ft.² (2.27 L/min) based over the area of the room or 2,500 ft.² (232 m²) design area, whichever is smaller, unless a lower density is approved based on large-scale fire testing in accordance with Section 1207.1.7.
2. Where approved, an automatic sprinkler system designed and installed in accordance with Section 903.3.1.1 for ESS units (groups) exceeding 50 kWh shall use a density based on large scale fire testing complying with Section 1207.1.7.
3. The following alternate automatic fire extinguishing systems designed and installed in accordance with Section 904, provided the installation is approved by the fire code official based on large scale fire testing complying with Section 1207.1.7:
 - 3.1 NFPA 12, Standard on Carbon Dioxide Extinguishing Systems.
 - 3.2 NFPA 15, Standard for Water Spray Fixed Systems for Fire Protection.
 - 3.3 NFPA 750, Standard on Water Mist Fire Protection Systems.
 - 3.4 NFPA 2001, Standard on Clean Agent Fire Extinguishing Systems.
 - 3.5 NFPA 2010, Standard for Fixed Aerosol Fire Extinguishing Systems.

Exceptions:

1. Fire suppression systems for lead acid and nickel cadmium battery systems at facilities under the exclusive control of communications utilities that operate at less than 50 VAC and 60 VDC shall be provided where required by NFPA 76.
2. Lead-acid and nickel-cadmium systems that are used for DC power for control of substations and control for safe shutdown of generating stations under the exclusive control of the electric utility, and located outdoors or in building space used exclusively for such installations, shall not be required to have a fire suppression system installed.
3. Lead-acid battery system in uninterruptable power supplies listed and labeled in accordance with UL 1778, utilized for standby power applications, which is limited to not more than 10 percent of the floor area on the floor on which the ESS is located, shall not be required to have a fire suppression system. (Material based on NFPA 855 2023 Ed.)

Section 1207.6.1.2.5 “Mechanical exhaust ventilation controls,” is hereby added as follows:

1207.6.1.2.5 Mechanical exhaust ventilation controls.

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Clearly identified separate switches shall be provided to both to activate the mechanical exhaust ventilation system and to shutoff the ventilation system.

Section 1207.6.1.2.6 “System activation,” is hereby added as follows:

1207.6.1.2.6 System activation.

Activation of the gas detection system shall result in all the following:

1. Initiation of distinct audible and visible alarms in the battery storage room.
2. Transmission of an alarm to an approved location.
3. De-energizing of the battery charger.

Exception: Lead-acid and nickel-cadmium stationary storage battery systems shall not be required to comply with Items 1, 2 and 3.

Section 1207.11.3 “Location” is hereby deleted in its entirety and replaced with the following:

1207.11.3 Location.

Energy storage system shall only be installed in the following locations:

1. Detached garages and detached accessory structures.
2. Attached garages separated from the dwelling unit living space and sleeping units in accordance with Section 406.3.2 of the International Building Code.
3. Outdoors or on the exterior side of exterior walls located a minimum of 3 feet (914 mm) from doors and windows directly entering the dwelling unit.

Section 1207.11.4 “Energy ratings,” is hereby deleted in its entirety and replaced with the following:

1207.11.4 Energy ratings.

Individual ESS units shall have a maximum rating of 20 kwh. The aggregate rating of the ESS shall not exceed:

1. 80 kWh in attached or detached garages and detached accessory structures.
2. 80 kWh on exterior walls.
3. 80 kWh outdoors on the ground.

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ESS installations exceeding the permitted individual or aggregate ratings shall be installed in accordance with Sections 1207.1 through 1207.9. (Material based on NFPA 855 2023 Ed.)

6. CHAPTER 23 "MOTOR FUEL-DISPENSING FACILITIES AND REPAIR GARAGES," is amended as follows:

Section 2308.3.2 "Vehicle impact protection," is hereby added as follows:

2308.3.2 Vehicle impact protection.

Vehicle impact protection for CNG gas storage containers, pumps and dispensers shall be provided in accordance with section 312 of the International Fire Code.

Section 3307.2.1 "Combustible building materials," is hereby deleted in its entirety and replaced with the following:

3307.2.1 Combustible building materials.

When combustible building materials of the building under construction are delivered to a site, a minimum fire flow of 1500 gallons per minute (5678 L/m) shall be provided. The fire hydrant used to provide this fire flow supply shall be within 500 feet (152 m) of the combustible building materials, as measured along an approved fire apparatus access lane. Where the site configuration is such that one fire hydrant cannot be located within 500 feet (152 m) of all combustible building materials, additional fire hydrants shall be required to provide coverage in accordance with this section.

Section 3307.2.2 "Vertical construction of Types III, IV and V construction," is hereby deleted in its entirety and replaced with the following:

Section 3307.2.2 Vertical construction of Types III, IV and V construction. Prior to commencement of vertical construction of Type III, IV or V buildings that utilize any combustible building materials, a minimum fire flow of 1500 gallons per minute (5678 L/m) shall be provided. A sufficient number of fire hydrants shall be provided so all portions of the vertical construction is within 500 feet (152 m) of a fire hydrant measured along an approved fire apparatus access road.

Section 3307.2.2.1 "Fire separation up to 30 feet," is hereby deleted in its entirety.

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Section 3307.2.2.2 “Fire separation of 30 feet up to 60 feet,” is hereby deleted in its entirety.

Section 3307.2.2.3 “Fire separation of 60 feet or greater,” is hereby deleted in its entirety.

7. APPENDIX C: “FIRE HYDRANT LOCATIONS AND DISTRIBUTION,” is hereby deleted in its entirety and replaced with the following:

Section C101 GENERAL is hereby deleted in its entirety and replaced with the following:

C101.1 Scope.

In addition to the requirements of section 507.5.1, fire hydrants shall be provided in accordance with the City of Goodyear Engineering Design Standards and Policies Manual and this appendix for the protection of buildings, or portions of buildings, hereafter constructed or moved into the jurisdiction.

Section C102 NUMBER OF HYDRANTS is hereby deleted in its entirety and replaced with the following:

C102.1 Minimum number of fire hydrants for a building.

The number of fire hydrants available for a building shall be not less than the minimum specified in Table C102.1

TABLE C102.1
REQUIRED NUMBER OF FIRE HYDRANTS ^{a,b,c,d,e,f,g,h}

FIRE-FLOW REQUIREMENT (gpm)	MINIMUM NUMBER OF HYDRANTS
1,750 or less	1
1,751- 2,250	2
2,251- 2,750	3
2,751- 3,250	3

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3,251-4, 000	4
4,001- 5,000	5
5,001- 5,500	6
5,501---6,000	6
6,001- 7 ,000	7
7,001 or more	8 or more ^e

For SI: 1 foot= 304.8 mm, 1 gallon per minute = 3.785 Um

- a. Reduce by 100 feet for dead-end streets or roads.
- b. Where streets are provided with median dividers that cannot be crossed by fire fighters pulling hose lines, or where arterial streets are provided with four or more traffic lanes and have a traffic count of more than 30,000 vehicles per day, hydrant spacing shall average 500 feet on each side of the street and be arranged on an alternating basis.
- c. Where new water mains are extended along streets where hydrants are not needed for protection of structures or similar fire problems, fire hydrants shall be provided at spacing not to exceed 1,000 feet to provide for transportation hazards.
- d. Reduce by 50 feet for dead-end streets or roads.
- e. One hydrant for each 1,000 gallons per minute or fraction thereof.
- f. A 50-percent spacing increase shall be permitted where the building is equipped throughout with an approved automatic sprinkler system in accordance with Section 903.3.1.1 of the International Fire Code.
- g. A 25-percent spacing increase shall be permitted where the building is equipped throughout with an approved automatic sprinkler system in accordance with Section 903.3.1.2 or 903.3.1.3 of the International Fire Code or Section P2904 of the International Residential Code.
- h. The fire code official is authorized to modify the location, number and distribution of fire hydrants based on site-specific constraints and hazards.

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Section C103 FIRE HYDRANT SPACING is hereby deleted in its entirety and replaced with the following:

C103.1 Hydrant spacing.

Fire apparatus access roads and public streets providing required access to buildings in accordance with Section 503 shall be provided with one or more fire hydrants, as determined by the City of Goodyear Engineering Design Standards and Policy Manual, and Table C102.1.

8. APPENDIX D: "FIRE APPARATUS ACCESS ROAD," is hereby amended as follows:

Section D101.1 "Scope," is hereby deleted in its entirety and replaced with the following:

D101.1 Scope.

Fire apparatus access roads shall be in accordance with this appendix, all other applicable requirements of the International Fire Code, and the City of Goodyear Engineering Design Standards and Policies Manual.

Section D103.1 "Access road width with a hydrant," is hereby deleted in its entirety and replaced with the following:

D103.1 Access road width with a hydrant.

Where a fire hydrant is located on a fire apparatus access road, the minimum width shall be as required by the City of Goodyear Engineering Design Standards and Policies Manual.

Figure D103.1 "Dead-end Fire Apparatus Access Road Turnaround," is deleted in its entirety and replaced with the following:

Figure D103.1 Dead End Fire Apparatus Access Road Turnaround.

Dead ends and fire apparatus access road turnarounds shall comply with the requirements for dead ends and fire apparatus access road turnarounds in the City of Goodyear Engineering Design Standards and Policies Manual.

Section D103.2 "Grade," is hereby deleted in its entirety and replaced with the following:

D103.2 Grade.

Fire apparatus access road shall not exceed the grade of 8% as required in the City of Goodyear Engineering Design Standards and Policies Manual.

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Exception: Grades steeper than 8% as approved by the fire chief.

Section D103.3 "Turning radius ," is hereby deleted in its entirety and replaced with the following:

D103.3 Turning radius.

The minimum turning radius shall be in accordance with the requirements in the City of Goodyear Engineering Design Standards and Policies Manual.

Section D103.4 "Dead ends and Table D103.4," are hereby deleted in its entirety and replaced with the following:

D103.4 Dead ends.

Dead-end fire apparatus access roads in excess of 150 feet (45720 mm) shall be provided with width and turnaround provisions in accordance with the requirements of the City of Goodyear Engineering Design Standards and Policies Manual and Table D103.4.

Section D103.6 "Signs," is hereby deleted in its entirety and replaced with the following:

D103.6 Signs.

Where required by the fire code official, fire apparatus access roads shall be marked with permanent signs complying with the City of Goodyear Engineering Design Standards and Policies Manual and/or provide curb markings in accordance with Section 503.3 of the International Fire Code as amended herein.

Section D104.2 "Buildings exceeding 62,000 square feet in area," is hereby amended as follows:

The exception is deleted in its entirety.

Section D106.1 "Projects having more than 100 dwelling units," is hereby amended as follows:

The exception is deleted in its entirety.

Section D106.2 "Projects having more than 200 dwelling units," is hereby deleted in its entirety.

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9. APPENDIX L: "REQUIREMENTS FOR FIREFIGHTER AIR REPLENISHMENT SYSTEMS" is amended as follows:

Section L101.1 "Scope," is hereby deleted in its entirety and replaced with the following:

L101.1 Scope.

Firefighter air replenishment systems (FARS) shall be provided in accordance with this appendix.

Section L101.2 "When required," is hereby added as follows:

L101.2 When required.

A Fire Fighter Air Replenishment System (FARS) shall be required in all new buildings or structures that meet any of the following:

1. The building or structure has five (5) or more floors above grade; or
2. The building or structure is a high rise building as defined by the International Building Code as adopted and amended by the governing authority; or
3. The building, structure or components thereof are underground and the square footage of the underground building, structure, or component thereof is ten thousand (10,000) feet or more and is located either more than two (2) floors below grade or more than thirty (30) feet below grade; or
4. In the opinion of the fire code official, a FARS is required where, in large or complex buildings, the travel distance exceeds 150 foot (45720 mm) from the exterior entry points around the building to all interior locations.