

GOLDER RANCH FIRE DISTRICT

Amendments to the Golder Ranch Fire District Fire Code
2024 Edition

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Golder Ranch Fire District Fire Headquarters Office
Pursuant to Golder Ranch Fire District Resolution XXXX-XXX
Adopted XXXX, XXXX
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Golder Ranch Fire District
2024 International Fire Code
Fire Code Amendments

The 2024 Edition of the International Fire Code (2024 IFC) is hereby adopted by the Golder Ranch Fire District (GRFD) Governing Fire Board for the purpose of establishing minimum requirements consistent with nationally recognized good practice for providing a reasonable level of life safety protection from the hazards of fire, explosion or dangerous conditions in new and existing buildings, structures, and premises.

The International Fire Code as adopted and amended herein shall be enforced by the GRFD Fire Marshal, who shall operate under the supervision of the GRFD Fire Chief.

The 2024 IFC along with the Amendments shall be known as the “Golder Ranch Fire District Fire Code”.

Copies of the Golder Ranch Fire District Fire Code are now on file in the Fire & Life Safety Division of GRFD at 1175 W. Magee Rd., Tucson, Arizona 85704 and shall be available to all interested parties during normal business hours. The provision of the fire code shall be controlling within the boundaries of GRFD as those boundaries may be modified from time to time.

The 2024 IFC is hereby amended by the GRFD Governing Board in the following respects:

CHAPTER 1 – SCOPE AND ADMINISTRATION
SECTION 101 SCOPE AND GENERAL REQUIREMENTS

Amend section 101.1 as follows:

[A] **101.1 Title:** These regulations shall be known as the *2024 International Fire Code with Golder Ranch Fire District Amendments*, hereinafter referred to or cited as “this code” or the Golder Ranch Fire District Fire Code.

Delete and replace section 101.2.1 as follows:

[A] **101.2.1 Appendices:** The following appendices are adopted and amended as part of this Code by the Golder Ranch Fire District (GRFD): B, C, D, F, H, I, L, N, O, and P as added and/or amended.

Appendix B	Fire-Flow Requirements for Buildings
Appendix C	Fire Hydrant Locations and Distribution
Appendix D	Fire Apparatus Access Roads
Appendix F	Hazard Ranking
Appendix H	Hazardous Materials Management Plan (HMMP) and Hazardous Materials Inventory Statement (HMIS) Instructions
<u>Appendix I</u>	<u>Fire Protection Systems—Noncompliant Conditions</u>
<u>Appendix L</u>	<u>Requirements for Fire Fighter Air Replenishment Systems</u>
<u>Appendix N</u>	<u>Indoor Trade Shows and Exhibitions</u>
<u>Appendix O</u>	<u>Valet Trash and Recycling Collection in Group R-2 Occupancies</u>
<u>Appendix P</u>	<u>Fire Department Standard Details</u>

SECTION 102 APPLICABILITY

Amend section 102.7.1 as follows:

[A] **102.7.1 Conflicts.** Where conflicts occur between provisions of this code and referenced codes and standards, the higher standard for the promotion of the safety and welfare of the emergency responders and the public will apply.

Delete section 102.7.2 in its entirety.

SECTION 104 DUTIES AND POWERS OF THE FIRE CODE OFFICIAL

Add section 104.12 as follows:

[A] **104.12 Fees.** The Fire Chief is authorized to establish and collect, with the approval of the GRFD Fire Board, any amount established by resolution, fees for any or all inspections or operational services authorized by this code. Permit and inspection fees and other operational fees of the Fire District may be determined by the Fire Chief or designee and established through resolution.

SECTION 105 PERMITS

Add a new section as follows:

[A] 105.6.26 Access-controlled egress doors: A construction permit is required to install or modify access-controlled egress doors in accordance with Sections 1010.2.10, 1010.2.11 or 1010.2.13.

Add a new section as follows:

[A] 105.6.27 Delayed egress locks: A construction permit is required to install or modify delayed egress locks in accordance with Section 1010.2.12

Add a new section as follows:

[A] 105.6.28 Commercial kitchen cooking oil storage: A construction permit is required to install or modify cooking oil storage systems and their components in accordance with Section 607.

SECTION 108 FEES

Add to section 108.2 as follows:

[A] 108.2 Schedule of Permit Fees: A fee for each permit shall be paid as required, in accordance with the most current permit fee schedule approved by the GRFD Fire Board.

Add to section 108.4 as follows:

[A] 108.4 Work Commencing before permit issuance: Any person who commences work, activity, or operation regulated by this code before obtaining the necessary permits shall be subject to 300 percent of the usual permit fee, which shall be in addition to the required permit fees.

SECTION 109 INSPECTIONS

Add section 109.5 as follows:

[A] 109.5 Reinspection: A reinspection fee may be assessed for each permitted inspection or reinspection when such portion of work for which inspection is called, is not complete or when corrections called for are not made. If the items that were identified during the first reinspection of a particular phase are not corrected at the time of the reinspection, the permit will be locked out and further inspections will not be scheduled until a reinspection fee is paid. Reinspection fees may also be assessed when:

1. The approved plans are not readily available to the inspector.
2. Access to the site is not provided on the date for which the inspection is scheduled.
3. A competent responsible party representative is not on-site at the time of inspection.
4. Significant deviations from the approved plans are found that have not been approved by the fire code official.
5. The correct address is not provided so that an inspection can be made as scheduled.
6. Obvious signs of failure are present. For example, an intermediate fire sprinkler system inspection where the system is not charged with water at time of inspection.

Each reinspection will be assessed this fee. This procedure will be repeated for each phase of the installation and inspection process.

SECTION 110 MAINTENANCE

Add to section 110.3 as follows:

[A] 110.3 Recordkeeping: Fire system annual maintenance inspection reports shall be submitted through the web-based third-party reporting service, The Compliance Engine.

SECTION 112 MEANS OF APPEALS

Amend section 112.1 as follows:

[A] 112.1 General: Whenever an applicant disputes the application or interpretation of this code by staff, a written appeal may be filed with the fire chief within 14 calendar days.

1. The appeal will be heard by the fire chief or an authorized representative within 10 working days of the receipt of the appeal.
2. Adequate information shall be provided by the applicant on the Petition of Appeal to fully describe the condition(s) in question.
3. The fire chief shall consult with the *fire code official*, and/or an authorized representative as deemed appropriate, to provide additional information regarding the appeal.
4. The applicant may, but is not required to, meet with the fire chief or a designated representative to discuss the appeal.
5. If the appeal is denied, the applicant shall comply with the requirement(s) of the fire code or file an appeal with the Fire District Board within 30 calendar days from the date the appeal was denied.

Delete section 112.2 in its entirety

Delete section 112.3 in its entirety

Amend section 112.4 as follows:

[A] 112.4 Administration: The *fire code official* shall take action without delay in accordance with the decision of the fire chief.

SECTION 113 VIOLATIONS

Amend section 113.4 as follows:

[A] 113.4 Violation Penalties: Persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter, repair, or do work in violation of the approved construction documents or directive of the fire code official, or of a permit or certificate used under provisions of this code, shall be guilty of a criminal infraction with associated penalties as determined by the appropriate law enforcement agency having jurisdiction and the applicable court system.

SECTION 114 STOP WORK ORDER

Amend section 114.4 as follows:

[A] **114.4 Failure to Comply:** Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to correct a violation or unsafe condition, shall be guilty of a violation penalty in accordance with Section 113.4.

CHAPTER 2 - DEFINITIONS SECTION 202 GENERAL DEFINITIONS

Add to section 202 as follows:

Construction and development handbook: GOLDER RANCH FIRE DISTRICT FIRE CODE CONSTRUCTION AND DEVELOPMENT HANDBOOK. A publication developed by the Golder Ranch Fire District to assist contractors, engineers, architects, developers and other members of the public in navigating through required procedures, installation methods and standard details within the Golder Ranch Fire District.

Driveway: A vehicular ingress and egress route that connects a building or structure to a fire department access road.

Interior Tenant Notification: Notification appliances placed within the interior spaces of occupancies equipped with an automatic sprinkler system. These appliances are intended to alert occupants of a potential fire condition within the building when the automatic sprinkler system water flow switch is activated.

Fire Risk Analysis: An analytical process or review conducted by the fire code official in accordance with nationally recognized standards; such as NFPA 101; 101A; 550; 551; or 1142; ICC IUCWC; and ISO evaluation criteria to determine minimum levels of fire protection requirements based upon the risk associated with the subject matter, where not specifically detailed in this code or when an application requesting a reduction or modification to this code is received.

The fire code official shall take into consideration fire scenarios and their probability of occurrence and or potential consequences. Items to consider in the fire risk analysis process or review may include; distances to fire stations; available fire apparatus and first responders; fire protection systems; Wildland interface; building and occupancy types; hazardous materials; water supplies; and other pertinent information detailing the subject matter being considered for modification or reduction of fire code prescriptions.

Occupancy Hazard Classifications:

Critical Hazard Occupancies: Those occupancies that have vital assets, systems, networks, or structures whose damage or destruction would have a debilitating effect on the community. This classification includes but is not limited to, the following:

- Power plants
- Water treatment facilities
- Public safety buildings

- Special structures unique to the community

High Hazard Occupancies: Those occupancies that have an occupant load of more than 300 persons. This classification includes but is not limited to, the following:

- Schools
- Places of assembly
- Hospitals
- Nursing homes
- Adult care facilities
- Facilities that use, store or handle hazardous materials in quantities beyond what is customary for maintenance of the occupancy
- Facilities with flammable or combustible liquids, compressed gases, or explosive materials in reportable quantities
- Facilities with a large impact on the community if lost or interrupted by a fire or explosion
- High rise occupancies

Medium Hazard Occupancies: Those occupancies that have an occupant load of 50 to 300 persons. This classification includes but is not limited to, the following:

- Residential care facilities
- Store, use or handle hazardous materials in less than reportable quantities or use, store or handle flammable or combustible liquids in less than reportable quantities
- Special hazard operations or processes (requiring a permit)
- Restaurants

Low Hazard Occupancies: Those occupancies that have an occupant load of 49 persons or less (other than residential care facilities). This classification includes but is not limited to, the following:

- Small business mercantile type occupancies

Portable fryer appliance: A portable deep fat fryer must:

1. Be listed for operation without required hoods or vents;
2. Be powered by electrical energy only (no fuel-gas connection allowed); AND
3. Contain an internal fire extinguishing system compliant with Section 904.

If a fryer appliance does not meet all of those requirements, it shall be classified and protected as a medium-duty cooking appliance in accordance with the *International Mechanical Code*.

Residential dry standpipe: A standpipe installed to assist in providing an available water supply for firefighting operations when access to a residential structure is otherwise limited.

SECTION 203 OCCUPANCY CLASSIFICATION AND USE

Amend section 203.7.1 as follows:

203.7.1 Institutional Group I-1: Institutional Group I-1 occupancy shall include buildings, structures or portions thereof for more than 10 persons, excluding staff, who reside on a 24-hour basis in a supervised environment and receive custodial care.

Amend section 203.7.1.3 as follows:

203.7.1.3 Six to 10 persons receiving custodial care: A facility housing not fewer than six and not more than 10 persons receiving custodial care shall be classified as Group R-4.

Amend section 203.9.3 as follows:

203.9.3 Residential Group R-3: Congregate living facilities (transient or nontransient) with 10 or fewer occupants.

Amend section 203.9.4 as follows:

203.9.4 Residential Group R-4: Residential Group R-4 shall include buildings, structures or portions thereof for more than five but not more than 10 persons, excluding staff, who reside on a 24-hour basis in a supervised residential environment and receive custodial care. Buildings of Group R-4 shall be classified as one of the occupancy conditions indicated below.

CHAPTER 3 – GENERAL REQUIREMENTS SECTION 307 OPEN BURNING, RECREATIONAL FIRES AND PORTABLE OUTDOOR FIREPLACES

Add section 304.1.1.1 as follows:

304.1.1.1 Valet trash services: Valet trash services utilized in any occupancy with individual units or suites that open into a corridor or breezeway shall, at a minimum, comply with the requirements for R-2 occupancies as outlined in Appendix O.

Amend section 308.1.6 as follows:

308.1.6 Open Flame Devices: Is hereby **AMENDED** by **ADDING**: Torches are prohibited for weed and vegetation abatement in conjunction with residential open burn permits within GRFD.

CHAPTER 4 - EMERGENCY PLANNING AND PREPAREDNESS SECTION 403 EMERGENCY PREPAREDNESS REQUIREMENTS

Add section 403.9.4 as follows:

403.9.4 Group R-3 occupancies: Group R-3 occupancies utilized as care facilities that are licensed to provide directive care shall prepare and maintain an approved fire safety and evacuation plan in accordance with Section 404. Such occupancies shall comply with the requirements outlined in Section 403.9.3.

CHAPTER 5 - FIRE SERVICE FEATURES
SECTION 503 FIRE APPARATUS ACCESS ROADS

Add to section 503.2.3 as follows:

503.2.3 Surface: Fire apparatus access roads shall be designed and maintained to support the imposed loads of fire apparatus, at least 83,000 and shall be surfaced to provide all-weather driving capabilities. Surfaces shall be comprised of at least 4" of ABC compacted to 95% or asphalt for grades up to 6%. For grades from 6% to 12%, the surface shall be comprised of asphalt type materials. For grades from 12% to 15% surfaces shall be comprised of concrete with a traction surfacing. Grades shall not exceed 15% without approval from the fire code official.

SECTION 507 FIRE PROTECTION WATER SUPPLIES

Add a new subsection as follows:

507.5.1.2 Hydrants for commercial vehicle parking areas: Commercial parking lots and exterior storage areas exceeding 48,000 square feet (4460 m²) in size designed for: long-term vehicle parking over 24 hours, vehicle storage including those awaiting sale, recreational vehicle storage, boat storage, or the housing of combustible mobile storage containers shall be provided with a hydrant system as if it were a building in accordance with Appendix C. Minimum fire flow requirements shall be based on the values established in Section B105.3.1 (amended).

Add a new subsection as follows:

507.5.7 Reflective Pavement Markers: All fire hydrants and automatic fire sprinkler fire department connections shall be identified by the installation of approved 4 inch (10 cm) by 4 inch (10 cm) reflective raised pavement markers placed in accordance with the current Golder Ranch Fire District Fire Code Construction and Development Handbook.

SECTION 510 EMERGENCY RESPONDER COMMUNICATIONS ENHANCEMENT SYSTEMS

Add a new section as follows:

510.5.6 Emergency responder communication enhancement system (ERCES)

infrastructure: New buildings or structures shall be required to install, at a minimum, two-inch (2") Electrical Metallic Tubing (EMT) conduit (between floors where applicable) dedicated for potential ERCES use. The conduit will have a breakout box in an equipment room for cables to be pulled. Guide wire will be provided in the conduit (between each floor, where applicable) in the breakout box. Conduit and breakout boxes shall be installed in accordance with NFPA 70. The conduit and breakout box will be labeled "PUBLIC SAFETY USE ONLY!". If it is determined that after all construction is complete that ERCES equipment is required, the conduit will make installation easier and more economical to the building owner. Such ERCES infrastructure shall be provided for the following:

1. New multi-story or multi-level buildings or structures;
2. New single-story buildings or structures totaling 45,000 square feet (4180 m²) or more in size;
3. New buildings or structures containing a basement or other subterranean space totaling 250 square feet (23 m²) in size;

4. Any new building or structure that the *fire code official* has determined to have been constructed in a manner which may limit, or with materials likely to limit, the ability of emergency response personnel to effectively use emergency radio communication while within that building or structure.

New building or structures containing any underground parking areas will be required to provide the capability for a future rooftop antenna to be installed, if deemed necessary, in addition to the above requirements for ERCES infrastructure.

Add Section 510.5.6.1

510.5.6.1 Acceptance: As part of the installation, a final inspection of the ERCES infrastructure shall be required prior to the issuance of an approved Final Fire inspection report.

Add a new section as follows:

SECTION 511 CONTROLLED ACCESS GATES

511.1 General. New and existing controlled access gates installed across fire department access roads and *driveways* shall be *approved* by the *fire code official*. The provisions of this chapter shall apply to the installation, operation, and *maintenance* of controlled access gates, including those installed in accordance with Sections 503.5 and/or 503.6.

Exception: Controlled access gates installed across *driveways* serving one individual single-family residence.

511.1.1 Controlled access gate type. All new and existing controlled access gates installed across fire department access roads shall be of an *approved* manual or automatic type.

Exception: Automatic gates are prohibited across dead-end fire department access roads without *approved* turnarounds installed in accordance with Appendix D.

511.2 Compliance. New and existing controlled access gates regulated by Section 503.5, 503.6, or elsewhere in this code shall be constructed, installed, and maintained in accordance with UL325, ASTM F2200, and the current Golder Ranch Fire District *Fire Code Construction and Development Handbook*.

Add a new section as follows:

SECTION 512 DRIVEWAYS

512.1 General. *Driveways* exceeding 200 feet (60,960 mm) in length shall provide a minimum unobstructed width of 14 feet (4,267 mm) and a minimum unobstructed height of 13 feet 6 inches (4,115 mm). Such *driveways* shall not exceed 10 percent in grade.

Exception: Where provided with a *residential dry standpipe* in accordance with Sections 905.8.1 and 905.8.2 and *approved* by the *fire code official*.

CHAPTER 9 - FIRE PROTECTION AND LIFE SAFETY SYSTEMS

SECTION 901 GENERAL

Add to section 901.2 as follows:

901.2 Construction documents: Automatic *fire protection system* hydraulic calculations shall be based on a curve that is 90 percent of the available water supply curve as determined by current flow test information. The *fire code official* shall witness all flow tests.

Add to section 901.4 as follows:

901.4 Installation: The layout, calculation, and installation of fire protection systems shall be performed by persons knowledgeable and trained in such systems. Only qualified professionals (NICET Level III or higher) or Arizona registrants shall design fire alarm systems or sprinkler systems engineered to the standards outlined in Section 903.3.1.1. Contractors are required to possess a current Arizona License from the Register of Contractors to install fire protection systems. The installer shall follow all manufacturer guidelines for installation, inspection and testing. Contractors shall maintain certification when required by the manufacturer.

Add a new subsection as follows:

901.4.7.5 Minimum size: Rooms containing fire pump equipment and fire riser rooms for sprinkler systems installed in accordance with Section 903.3.1.1 shall be a minimum of four feet (121 cm) by four feet (121 cm) in size.

Add a new subsection as follows:

901.4.7.6 Room access: Pump and fire riser rooms shall have a door directly accessible from the exterior of the building.

SECTION 903 AUTOMATIC SPRINKLER SYSTEMS

Add to section 903.1 as follows:

903.1 General: Sprinklers shall be installed under exterior roofs and canopies exceeding 4 feet in width. Sprinklers may be omitted, when approved by the fire code official, where the construction is noncombustible or limited combustible. Sprinklers shall be installed under all roofs or canopies over areas where combustibles are stored and handled.

Amend section 903.2 as follows:

903.2 Where required. Approved automatic sprinkler systems in new buildings and structures shall be provided in the locations described in this section. **THROUGHOUT ALL GROUP A, B, E, F, H, I, M, R AND S OCCUPANCIES FOR EVERY FACILITY, BUILDING OR PORTION OF A BUILDING HEREAFTER CONSTRUCTED WITHIN OR MOVED INTO THE JURISDICTION.**

Exception:

1. Spaces or areas in telecommunications buildings used exclusively for telecommunications equipment, associated electrical power distribution equipment, batteries and standby engines, provided that 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.

2. One-two family dwellings where the required fire flow is available in accordance with Section 507 and appendix B.
3. Detached garages accessory to a Group R-3 occupancies.
4. Open parking structures.

Delete existing section 903.3.1.1.2 in its entirety (see Section 903.7) and replace as follows:

The minimum design requirements for automatic fire sprinkler systems installed per section 903.3.1.1 shall be as determined by Section 903.3.1.1.2.1 or by the NFPA 13 for the respective hazard and commodity classification present, whichever is greater.

Add a new subsection as follows:

903.3.1.1.2.1 Strip malls, multi-occupant, or shell buildings: The minimum sprinkler design density for all new multi-occupant or shell buildings shall be Ordinary Hazard (Group 2) as outlined in NFPA 13.

Add a new subsection 903.3.1.1.4

903.3.1.1.4 Storage, shell buildings: Buildings with areas primarily utilized for storage with an interior ceiling height in the storage area 20 feet (6096 mm) or more above the finished floor shall be provided with a minimum eight-inch (203 mm) underground connection from an approved water supply to the bottom of the automatic sprinkler system riser where adequate public or private water systems are present.

Add a new subsection as follows:

903.3.1.2.4 Porches, Garages and Exterior Storage Closets: In Group R occupancies, sprinklers shall not be required in any porches, patios, and similar structures where open on two or more sides or where the covering does not exceed four feet in width. Sprinklers are required in all attached garages of Group R occupancies.

Sprinklers shall not be required in attic, crawl spaces and other concealed spaces that are not used or intended for living purposes or storage and do not contain fuel-fired equipment. A sprinkler shall protect the direct area of fuel-fired equipment.

Sprinkler protection shall be extended into attached exterior storage closets in R-1 and R-2 occupancies protected with an automatic sprinkler system installed in accordance with Section 903.3.1.2.

Add new subsection as follows:

903.3.1.3.1 Installation Requirements: *Automatic sprinkler systems* installed in accordance with Section 903.3.1.3 are required to comply with all of the following:

1. A listed electric bell is required to be installed on the exterior of the building and shall automatically sound upon receiving a signal from the *automatic sprinkler system* water flow switch. The electric bell shall be listed for its application, rated for exterior installation, and be installed in accordance with the manufacturer's specifications.

2. Attached garages are required to be protected by the *automatic fire sprinkler system*. Residential or quick-response sprinklers and the same piping installed in the rest of the system shall be used. Coverage, spacing, and installation requirements shall be compliant with NFPA 13D and the sprinklers' respective listings. Intermediate temperature-rated sprinklers shall be installed where appropriate.
3. NFPA 13D *automatic sprinkler system* risers shall be located in a wall cavity with an *approved* access panel.
4. Partially-enclosed exterior porches, patios, and balconies are required to be protected by the *automatic sprinkler system* if they meet all of the following conditions:
 - a. The enclosure area is constructed of combustible material.
 - b. The porch is enclosed on at least three sides with the smallest dimension being 48" deep or greater.
 - c. A means of egress (to include bedroom windows) from the structure is present and opens into the enclosed area.
5. Sprinkler pipe installed in areas subject to freezing conditions shall be protected with approved insulating pipe wrap.

Add to section 903.3.5 as follows:

903.3.5 Water Supplies: Water supplies for automatic sprinkler systems shall comply with this section and the standards referenced in Section 903.3.1. For connections to public waterworks systems, the water supply test used for design of fire protection systems shall be adjusted to account for seasonal and daily pressure fluctuations based on information from the water supply authority and as approved by the fire code official.

Add a new subsection as follows:

903.4.2.1 Water-flow notification: Unless a manual or automatic fire alarm system is required elsewhere in this code, interior tenant notification shall be provided whenever a monitored automatic sprinkler system in accordance with Section 903.3.1.1 or 903.3.1.2 is present. An approved audible/visual notification appliance shall be installed within a normally occupied interior area of each building or tenant space. Americans with Disabilities Act (ADA)-compliant restrooms inside each building or tenant space shall have a visual notification appliance installed within the restroom area. The notification appliances shall be activated by an approved means upon water-flow detection from the automatic sprinkler system water-flow switch. Systems shall be required to be installed when:

1. New buildings are constructed: Interior tenant notification in accordance with the requirements of 903.4.2.1 shall be provided for all newly constructed buildings containing a monitored automatic sprinkler system. If a multi-tenant shell building is constructed, each individual space created by demising walls shall be provided with interior tenant notification in accordance with the requirements of 903.4.2.1.

The requirements for notification appliance quantities and placement may be increased or adjusted based on occupancy-specific hazards at the discretion of the fire code official.

Amend section 903.6 as follows:

903.6 Where required in existing buildings and structures: Approved automatic sprinkler systems shall be provided throughout the fire area of existing non-sprinklered occupancies per chapter 11, when there is an increase in fire area, and when there is a change of occupancy to a group A, E, F, H, I, R, or S occupancy.

Add a new subsection 903.7 as follows:

903.7 Bathrooms: Group R occupancies, or areas utilized as Group R areas within another occupancy, that are equipped throughout with an *automatic sprinkler system* in accordance with Sections 903.3.1.1, 903.3.1.2 or 903.3.1.3, shall be required to provide sprinkler protection in all bathroom areas.

Exception: Bathrooms that do not exceed 24 square feet in area and are located within individual dwelling units or sleeping units, provided that walls and ceilings, including the walls and ceilings behind a shower enclosure or tub are of noncombustible or limited combustible materials with a 15-minute thermal barrier rating.

SECTION 904 ALTERNATIVE AUTOMATIC FIRE-EXTINGUISHING SYSTEMS

Add a new subsection as follows:

904.16 Portable Fryer Appliances. Portable fryer appliances must be Underwriters Laboratories (UL) listed for their application and installed in accordance with the manufacturer's specifications. Portable fryers shall be set up in an *approved* location and shall not be relocated without the approval of both the *fire code official* and the governing health department. Portable fryers must have their factory appliance cables plugged directly into a permanent power receptacle without the use of intervening electrical components. Portable fryers with an oil capacity exceeding 6.00 gallons (2271 ml) must have their internal fire suppression system tied into the building's occupant notification system, where applicable, in accordance with section 907.5. Internal fire extinguishing systems are required to be maintained in accordance with section 904.12.5.

SECTION 905 STANDPIPES

Amend section 905.8 as follows:

905.8 Dry standpipes. Dry standpipes shall not be installed.

Exception: Where subject to freezing, where installed in accordance with NFPA 14, or when required by Section 905.8.1.

Add section 905.8.1 as follows:

905.8.1 Residential dry standpipes. Residential dry standpipes shall be installed when driveways do not meet the requirements outlined in Section 512 or as required by the *fire code official*.

Add section 905.8.2 as follows:

905.8.2 Installation requirements. Residential dry standpipes required by Section 905.8.1 shall be installed in accordance with their respective standards and the current Golder Ranch Fire District *Fire Code Construction and Development Handbook*.

SECTION 912 FIRE DEPARTMENT CONNECTIONS

Amend section 912.2 as follows:

912.2 Location: With respect to hydrants, *driveways*, buildings and landscaping, fire department connections shall be so located that fire apparatus and hose connected to supply the system will not obstruct access to the buildings for other fire apparatus. The location of fire department connections shall be approved by the *fire code official*. Each fire department connection shall be identified by an approved permanent weather resistant sign in accordance with the current Golder Ranch Fire District *Fire Code Construction and Development Handbook*.

CHAPTER 11 - CONSTRUCTION REQUIREMENTS FOR EXISTING BUILDINGS SECTION 1103 FIRE SAFETY REQUIREMENTS FOR EXISTING BUILDINGS

Amend section 1103.5.3 as follows:

1103.5.3 Group I-2, Condition 2: In addition to the requirements of Section 1103.5.2, existing buildings of Group I-2, Condition 2 occupancy shall be equipped throughout with an approved automatic sprinkler system in accordance with Section 903.3.1.1. The automatic sprinkler system shall be installed within 12 months of identification and evaluation.

Add section 1103.5.6.1 as follows:

1103.5.6.1 Fire area increase for existing one- and two-family dwellings. *An automatic sprinkler system shall be provided throughout existing one- and two-family dwellings undergoing a fire area increase where all the following apply:*

1. The square footage of the new *fire area* is greater than 50 percent of the total *fire area* of the original existing structure.
2. The new combined *fire area* (new and existing) exceeds 3,600 square feet (334 m²).
3. The available *fire-flow* is less than the *fire-flow* required by Appendix B of this code based upon the new total *fire area*.

Add section 1103.5.7 as follows:

1103.5.7 Existing Group R-3 and R-4 residential facilities: All existing Group R-3 and R-4 residential facilities shall be equipped throughout with an *automatic sprinkler system* in accordance with Section 903.2.8. Existing facilities shall be upgraded within 12 months of identification and evaluation.

Exception: Buildings equipped throughout with a previously *approved automatic sprinkler system*.

**CHAPTER 31 – TENTS, TEMPORARY SPECIAL EVENT STRUCTURES AND
OTHER MEMBRANE STRUCTURES
SECTION 3103 TEMPORARY TENTS AND MEMBRANE STRUCTURES**

Add section 3103.1.1 as follows:

3103.1.1 Compliance. Tents and membrane structures regulated by this code shall be constructed and operated in accordance with the current Golder Ranch Fire District *Fire Code Construction and Development Handbook*.

Add section 3103.5.1:

3103.5.1 Tent staking or ballasting plan. The Tent or Canopy owner, or the Tent or Canopy Rental Company that is responsible for the tent and the tent installation must provide the installation instructions in accordance with the *Industrial Fabrics Association International (IFAI) Safe Installation and Maintenance of Tents and Fabric Structures Procedural Handbook* at the time of application. Detailed documentation on how those requirements will be met must be reviewed before the permit is issued and approved.

**CHAPTER 33 FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION
SECTION 3310 ACCESS FOR FIRE FIGHTING**

Amend section 3307.1 as follows:

3307.1 Required access. Fire department access shall be *approved* by the *fire code official* and constructed/maintained in accordance with the current Golder Ranch Fire District *Fire Code Construction and Development Handbook*.

**CHAPTER 50 HAZARDOUS MATERIALS-GENERAL PROVISIONS
SECTION 5003 GENERAL REQUIREMENTS**

Amend section 5003.13 as follows:

5003.13 Outdoor rooftop storage, use, and handling. Storage, use, and handling of hazardous materials on top of roofs or canopies shall be prohibited unless the roof or canopy has been specifically engineered for that purpose, complies with Sections 5003.13.1 through 5003.13.5, and is *approved* by the *fire code official*. Engineering controls for rooftop storage of hazardous materials may include, but are not limited to, fire-rated stairwell access to the rooftop provided in accordance with the *International Building Code*, a standpipe system compliant with Section 905, and/or any other control measures necessary to ensure safe firefighting operations.

CHAPTER 80 REFERENCE STANDARDS

Amend Chapter 80 by adding the following references:

ATA Advanced Textiles Association

- Non—Engineered Ballasting Tool (NEBT)
- Ballasting Tool (EBT)

IFAI Industrial Fabrics Association International

- Safe Installation and Maintenance of Tents and Fabric Structures Procedural Handbook (6th Edition, 2017)

GRFD Golder Ranch Fire District

- Golder Ranch Fire District Fire Code Construction and Development Handbook
- Golder Ranch Fire District Adopted Fee Schedule

APPENDIX B FIRE-FLOW REQUIREMENTS FOR BUILDINGS

Add section B105.4 as follows:

B105.4 Fire Flow Requirements for Buildings: Where one- and two-family dwellings are not able to meet fire-flow requirements in accordance with Section B105.1, an automatic fire sprinkler system in accordance with Section 903.3.1.3 may be accepted as a design alternative by the fire code official. Additions to existing and newly constructed one- and two-family homes may request a complete fire risk analysis to determine the minimum levels of fire protection.

APPENDIX D FIRE APPARATUS ACCESS ROADS

Amend Section D102.1 as follows:

D102.1. Access and loading: Facilities, buildings, or portions of buildings hereafter constructed shall be accessible to fire department apparatus by way of an approved fire department apparatus access road installed in accordance with the provisions of this code and the Golder Ranch Fire District Fire Code Construction and Development Handbook.

Delete Section D103.5 in its entirety

APPENDIX L REQUIREMENTS FOR FIRE FIGHTER AIR REPLENISHMENT SYSTEMS

Add section L101.2 as follows:

L101.2 Where required: A fire fighter air replenishment system (FARS) may be required to be installed where deemed necessary by the fire code official in the following buildings:

1. High-rise buildings.
2. Buildings with basements or underground areas three or more floors below grade with an area greater than 20,000 square feet (1858 m²).

SECTION L104 DESIGN AND INSTALLATION

Add to section L104.13.1 as follows:

3. Fill stations for refilling breathing air cylinders shall be located on additional floors as determined by the fire code official on a case-by-case basis based on operational needs and challenges presented at each individual project.

APPENDIX P FIRE DEPARTMENT STANDARD DETAILS

Add section P101 as follows:

SECTION P101 GENERAL

P101.1 Scope: The Golder Ranch Fire District has approved standard details for both new and existing buildings located within the Golder Ranch Fire District. These details can be used by building owners, property representatives, design professionals and contractors to determine the acceptable installation standards. The details can be modified, reviewed and approved by the Golder Ranch Fire District as needed.

P101.2 Compliance: All standard details for new and existing buildings regulated by this code shall be constructed, installed, and maintained in accordance with the current Golder Ranch Fire District Fire Code Construction and Development Handbook. This includes, but is not limited to, all processes, markings, signage, fire department access, construction, and fire service feature requirements.