



TIMBER MESA FIRE AND MEDICAL DISTRICT

TMFMD Amendments for 2015 IFC

For the purposes of this amendment only the items listed below are effected changes to the 2015 International Fire Code (IFC). All other verbiage in the code shall remain as written as in the original publication of the 3rd edition of the 2015 IFC with all Fire Code Errata as published.

CHAPTER 1

SCOPE AND ADMINISTRATION

Section 101.2.1 Appendices. All appendices to be adopted

Section 113.2 Schedule of permit fees. Is AMENDED to read:

A fee for each permit shall be paid, as required, in accordance with the schedule as established by the Timber Mesa Fire and Medical District fee schedule.

CHAPTER 2

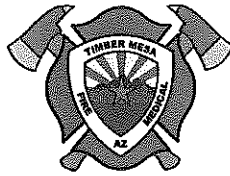
DEFINITIONS

Driveway. Is ADDED to read:

Driveway. A vehicular ingress and egress route that serves no more than five buildings or structures, not including accessory structures, or no more than five residential dwelling units.

Institutional Group I-1. The first sentence is AMENDED to read:

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



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Institutional Group I-1, Six to Sixteen persons receiving custodial care. Is AMENDED to read:

Six to ten persons receiving care. A facility such as above, housing not fewer than six and not more than 10 persons receiving such care, shall be classified as Group R-4.

Residential Group R-3. AMENDED to read:

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

Boarding houses (transient or non-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 (transient or non-transient) with 10 or fewer occupants.

Residential Group R-4. The first sentence is AMENDED to read:

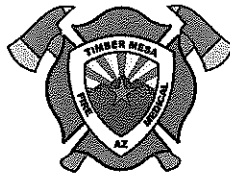
Residential Group R-4 shall include buildings, structures or portions thereof for more than five but not more than 10 persons, excluding staff, who reside on a 24-hours basis in a supervised residential environment and receive custodial care.

CHAPTER 3

GENERAL REQUIREMENTS

Section 311.5 Placards. Is AMENDED to read:

When determined by the fire or building code official, any vacant or abandoned buildings or structures determined to be unsafe pursuant to Section 110 of this code relating to structural or interior hazards shall be marked as required by Sections 311.5.1 through 311.5.5.



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CHAPTER 5

FIRE SERVICE FEATURES

Section 507.5.4 Obstruction. Is AMENDED by ADDING a third sentence:

Unobstructed access to fire hydrants shall be maintained at all times. The fire department shall not be deterred or hindered from gaining immediate access to fire protection equipment or fire hydrants. Vehicles shall not be placed, parked, or kept within 15 feet (4,572 mm) from the center of a fire hydrant, pursuant to A.R.S. 28-873 A(4).

CHAPTER 9

FIRE PROTECTION SYSTEMS

Section 901.2 Construction Documents. Is AMENDED by ADDING a second paragraph:

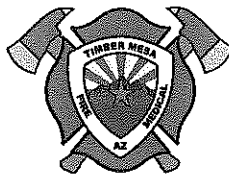
Automatic fire protection system hydraulic calculations shall be based upon 90 percent of the available water supply as determined by the local water purveyor or flow test information.

Section 901.4.2.1 Discontinuance of use. Is added to read:

All non-required fire protection systems shall be approved for discontinuance upon written approval of both the fire code official and the building official after inspection of the premises and system

Section 901.4.6 Pump and riser room size. Is AMENDED to read:

Fire pump and *automatic sprinkler system* riser rooms shall be located in a dedicated room and have a door directly accessible from the exterior of the building in new construction (any construction not to an existing structure). New *automatic sprinkler systems* that are installed in existing buildings are to have the riser room located within 100 feet of a door leading to the exterior of the building. The room shall be designed with adequate space for all equipment necessary for the installation, as defined by the manufacturer, with sufficient working space



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around the stationary equipment. Clearances around the equipment to elements of permanent construction, including other installed equipment and appliances, shall be sufficient to allow inspection, service, repair or replacement without removing such elements of permanent construction or disabling the function of a required fire-resistance-rated assembly. Fire pump and *automatic sprinkler system* riser rooms shall be provided with a door(s) and an unobstructed passageway large enough to allow for removal of the largest piece of equipment.

Section 901.6.2 Records. Is AMENDED to read:

Records of all system inspections, tests and maintenance required by the referenced standards shall be maintained on the premises for a minimum of three years. All individuals or businesses performing inspections, tests or maintenance required by the referenced standards shall forward itemized reports of such work to the fire code official within 30 days of activity performed.

Section 903 - AUTOMATIC FIRE SPRINKLER SYSTEMS

Section 903.2.8 Group R. Is AMENDED to read:

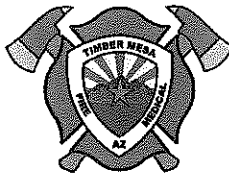
An *automatic sprinkler system* shall be installed in accordance with Section 903.3 shall be provided throughout all buildings with a Group R-1, R-2, or R-4 *fire area*. Single family residences (R-3 occupancies), where the fire flow requirements listed in Appendix B of this code are unachievable, will be subject to the requirements as set forth in NFPA 1141 and NFPA 1142 with exception to mandatory fire sprinkler requirements.

Section 903.2.8.2 AND Section 903.2.8.3 are COMBINED and AMENDED to read:

Section 903.2.8.2 Group R-3 or R-4 (Condition 1 or 2) congregate residencies.

An *automatic sprinkler system* shall be installed throughout all new Group R-3 or R-4 congregate residencies in accordance with Section 903.1.2 or 903.1.3 with 10 or fewer residents.

Existing Group R-3 or R-4 congregate residencies shall be retrofitted with an automatic sprinkler system in accordance with Section 903.1.2 or 903.1.3 within 24 months of discovery or



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annexation into the Timber Mesa Fire and Medical District boundaries.

Section 903.2.14 Multiple Occupancy Structures. Is ADDED to read:

All new buildings or structures, exceeding 3,000 square feet designated as a multiple tenant structure(s) (such as a strip mall) shall have an *automatic sprinkler system* installed throughout. Existing buildings or structures, where a change of occupancy occurs, separation requirements shall comply with Table 508.4 of the International Building Code 2015, and Section 1103.5.4 of this code.

Section 903.4.2.1 Water-flow notification devices. Is ADDED to read:

Water-flow notification devices. An approved audible/visual notification appliance shall be installed in a normally occupied interior area of each building or each individual tenant space at the time of a tenant improvement. ADA restrooms within the same area shall have a visual notification appliance located within the room. Such sprinkler water flow notification devices shall be activated by the water flow of a single sprinkler of the smallest size installed in the system. This section will be retroactive as deemed necessary by the *fire code or building official*.

SECTION 905 - STANDPIPE SYSTEMS

Section 905.8 Dry standpipes. Is AMENDED to read:

When required by the fire code official, dry standpipes shall be installed when fire apparatus access roads do not meet the requirements as outlined in Appendix D.

Section 907 – FIRE ALARM AND DETECTION SYSTEMS

Section 907.2.1 Group A. Is amended to read:

An automatic fire alarm system (to include detection and initiation devices) that activates the occupant notification system in accordance with Section 907.5 shall be installed in all new Group A occupancies.



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Exception is removed in its entirety.

Section 907.2.3 Group E. Is amended to read:

An automatic fire alarm system (to include detection and initiation devices) that initiates the occupant notification signal utilizing an emergency voice/alarm communication system meeting the requirements of Section 907.5.2.2 and installed in accordance with Section 907.6 shall be installed in Group E occupancies.

Exception 2 shall remain and all others to be removed entirely.

Section 907.2.6 Group I. Is amended to read:

An automatic fire alarm system (to include detection and initiation devices) that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group I occupancies.

Exceptions removed in their entirety.

Section 907.2.7 Group M. Is amended to read:

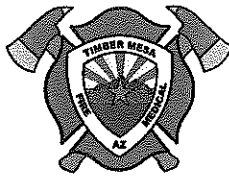
An automatic fire alarm system (to include detection and initiation devices) that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group M occupancies where the occupant load of the fire area is greater than 50 people.

#1 and #2 to be deleted and all exceptions removed in their entirety.

Section 912 - FIRE DEPARTMENT CONNECTIONS

Section 912.2 Locations. Is AMENDED to read:

With respect to hydrants, driveways, buildings and landscaping, fire department connections shall be located that, the 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 chief, or their designated fire code official.



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CHAPTER 11

CONSTRUCTION REQUIREMENTS FOR EXISTING BUILDINGS

SECTION 1103 - FIRE SAFETY REQUIREMENTS FOR EXISTING BUILDINGS

Section 1103.5.4 Fire area increase. Is ADDED to read:

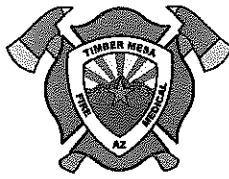
Buildings or residential occupancies where additional square footage is added and the fire flow requirement, as per Appendix B, was not or cannot be met prior to the additional new square footage, the additional construction shall meet current code in such ways as to comply with all fire code requirements, including fire flow requirements as set forth in Appendix B of this code. Single family residences (R-3 occupancies), where the fire flow requirements listed in Appendix B of this code are unachievable, will be subject to the requirements as set forth in NFPA 1141 and NFPA 1142 with exception to mandatory fire sprinkler requirements.

CHAPTER 53 – COMPRESSED GASES

SECTION 5307 - CARBON DIOXIDE (CO₂) SYSTEMS USED IN BEVERAGE DISPENSING APPLICATIONS

Section 5307.5 Required protection. Is AMENDED to read:

Where carbon dioxide storage tanks, cylinders, piping and equipment are located indoors, rooms or areas containing carbon dioxide storage tanks, cylinders, piping and fittings and other areas where a leak of carbon dioxide can collect shall retroactively be provided with ventilation in accordance of Section 5307.5.1 and an emergency alarm system in accordance with Section 5307.5.2. Outside storage shall only require an emergency alarm in accordance with Section 5307.5.2.



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APPENDIX D

FIRE APPARATUS ACCESS ROADS

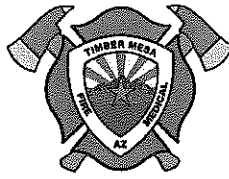
SECTION D103 - MINIMUM SPECIFICATIONS

Section D103.1.1 Driveways. Is ADDED to read:

Driveways. Driveways exceeding 150 feet (45,720mm) in length providing access to single family dwelling units shall provide a minimum unobstructed width of 14 feet (4,267mm) and a minimum unobstructed height of 13 feet 6 inches (4,511mm). Driveways in excess of 150 feet (45,720mm) in length shall provide turnarounds. Driveways in excess of 200 feet (6,0960mm) in length and less than 20 feet (6,096mm) shall provide turnouts in addition to turnarounds. Driveway turnout shall be an all-weather road surface at least 10 feet (3,048mm) wide and 30 feet (9,144mm) long. Driveway turnouts shall be located as required by the fire code official. Driveway turnarounds shall have an inside turning radius of not less than 30 feet (9,144mm) and an outside turning radius of not less than 45 feet (13,716mm). Driveways that connect with a road or roads at more than one point may be considered as having a turnaround if all changes of direction meet the radius requirements for driveway turnarounds. A driveway shall not serve in excess of five residential dwelling units.

Section D103.5 Fire apparatus access road gates. Is AMENDED to read:

- 1: Where a single gate is provided, the gate width shall be not less than 20 feet (6,096mm) when serving two or more directions. Where a fire apparatus road consists of a divided roadway, the gate shall not be less than 12 feet (3658 mm) when serving a single direction.
5. Emergency gates shall be equipped with a means of opening the gate by fire department personnel for emergency access. All electric gates shall be equipped with a key switch compatible with the fire district's existing system.



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Section D103.5 Fire apparatus access road gates. Item 9 Is ADDED to read:

9. Existing electric gates shall be retrofitted with Knox key switch opening equipment in accordance with this section upon discovery or annexation into Timber Mesa Fire and Medical District's boundaries. Compliance with this section shall be completed in a time schedule approved by the fire code official.

Section D103.6 Signs. Is AMENDED to read:

Where required by the *fire code official*, fire apparatus access roads shall be marked with permanent NO PARKING - FIRE LANE signs complying with the Town of Pinetop Lakeside or Timber Mesa Fire and Medical District, City of Show Low, or Navajo County ordinances and or standards. Signs shall have a minimum dimension of 12 inches (305mm) wide by 18 inches (457mm) high and have red letters on white reflective background. Signs shall be posted on one or both sides of the fire apparatus access road as required by Section D103.6.1 through D103.6.2.

Section D103.6.2 Roads more than 26 feet in width. Is amended by adding a second paragraph:

Where parking lanes are provided, they shall have a minimum dimension of 8 feet (2,438mm) in width, measured from the back of a wedge or rolled curb, or from the face of a vertical curb.