

Note: Deleted text is shown in strikeout and added or revised text is bolded and capitalized.

**TOWN OF ORO VALLEY  
AMENDMENTS TO THE  
INTERNATIONAL FIRE CODE  
2006 EDITION**

The following provision of the International Fire Code, 2006 Edition, as published by the International Code Council, Inc., is hereby amended as follows:

**CHAPTER 1**

Revise Section 101.1 as follows:

**101.1 Title.** These regulations shall be known as the Fire Code of [THE TOWN OF ORO VALLEY, ARIZONA] hereinafter referred to as “this code” **OR THE FIRE CODE.**

Revise Subsection 101.2.1 as follows:

**101.2.1 Appendices.** Provisions in the appendices shall not apply unless specifically adopted; **THEREFORE, THE FOLLOWING APPENDICES ARE ADOPTED AS PART OF THIS CODE:**

**APPENDIX-B FIRE-FLOW REQUIREMENTS FOR BUILDINGS**

**APPENDIX-C FIRE HYDRANT LOCATIONS AND DISTRIBUTION**

**APPENDIX-D FIRE APPARATUS ACCESS ROADS**

**APPENDIX-E HAZARD CATEGORIES (AS REFERENCE INFORMATION)**

**APPENDIX-F HAZARD RANKING**

**APPENDIX-G CRYOGENIC FLUIDS – WEIGHT AND VOLUME EQUIVALENTS (AS REFERENCE INFORMATION)**

Add new Section 102.10 as follows:

**102.10 OTHER LAWS. THE PROVISIONS OF THIS CODE SHALL NOT BE DEEMED TO NULLIFY ANY PROVISIONS OF LOCAL, STATE OR FEDERAL LAW.**

Add new Section 102.11 as follows:

**102.11 APPLICATION OF REFERENCES. REFERENCES TO CHAPTER OR SECTION NUMBERS, OR TO PROVISIONS NOT SPECIFICALLY IDENTIFIED BY NUMBER, SHALL BE CONSTRUED TO REFER TO SUCH CHAPTER, SECTION OR PROVISION OF THIS CODE.**

Revise Section 103 as follows:

**SECTION 103**

**DEPARTMENT OF FIRE PREVENTION/BUILDING SAFETY**

**103.1 General.** The department of fire prevention **IN CONJUNCTION WITH THE BUILDING SAFETY DEPARTMENT** is established within the jurisdiction under the direction of the fire code official **IN CONJUNCTION WITH THE BUILDING CODE OFFICIAL.** The function of the department(S) shall be the implementation, administration and enforcement of the provisions of the code.

Revise Subsection 105.4.1 follows:

**105.4.1 Submittals.** Construction documents shall be submitted in one or more sets and in such form and detail as required by the fire code official. The construction documents shall be prepared by a registered design professional ~~where required by the statutes of the jurisdiction in which the project is to be constructed.~~ **THE DESIGN OF FIRE PROTECTION SYSTEMS SHALL BE INCLUDED IN THE BUILDING CONSTRUCTION DOCUMENT SUBMITTAL.**

Add new Subsection 105.4.2.1 as follows:

**105.4.2.1 AUTOMATIC FIRE SPRINKLER SYSTEM DESIGN. THE FOLLOWING ARE CONSIDERED TO BE PROFESSIONAL REGISTRANT DESIGN ACTIVITIES TO BE INCLUDED WITH THE CONSTRUCTION DOCUMENTS:**

- CONSIDER THE RANGE OF HAZARDS OF THE PROJECT;**
- PREPARE A HAZARD ANALYSIS IDENTIFYING THE HAZARD CLASSIFICATION OF THE INTENDED OCCUPANCY, INCLUDING ANY SPECIAL HAZARDS;**
- DETERMINE THE APPLICABLE CODES, STANDARDS, AND APPROPRIATE ENGINEERING PRACTICES;**
- ASCERTAIN THE AVAILABILITY AND ADEQUACY OF THE WATER SUPPLY FOR THE PROJECT;**
- DETERMINE THE APPROPRIATE DESIGN DENSITY AND AREA OF OPERATION FOR EACH HAZARD AREA.**

Add new Subsection 105.4.2.2 as follows:

**105.4.2.2 FIRE ALARM AND OTHER CODE REGULATED ALARM SYSTEM DESIGN. THE FOLLOWING ARE CONSIDERED TO BE PROFESSIONAL REGISTRANT DESIGN ACTIVITIES TO BE INCLUDED WITH THE CONSTRUCTION DOCUMENTS:**

- DETERMINE THE SYSTEM TYPE;**
- DETERMINE THE APPLICABLE CODES, STANDARDS, AND APPROPRIATE ENGINEERING PRACTICES;**
- DETERMINE DEVICE TYPES AND LOCATIONS;**
- PREPARE GENERALIZED RISER DIAGRAM;**
- COORDINATE AND INTERFACE WITH OTHER SYSTEMS;**
- DEVELOP SYSTEM SPECIFICATIONS.**

Add new Subsection 105.4.3.1 as follows:

**105.4.3.1 FIRE PROTECTION SYSTEM LAYOUT OR SHOP CONSTRUCTION DOCUMENT SUBMITTALS. AUTOMATIC FIRE SPRINKLER SYSTEM AND FIRE ALARM SYSTEM LAYOUT OR SHOP CONSTRUCTION DOCUMENTS SHALL BE BY PERSONS WITH A MINIMUM CERTIFICATION OF A LEVEL III NATIONAL INSTITUTE FOR THE CERTIFICATION OF ENGINEERING TECHNOLOGIES (NICET) AND SHALL BE REVIEWED FOR COMPLIANCE WITH DESIGN BY THE REGISTRANT RESPONSIBLE FOR THE SYSTEM DESIGN.**

Revise Subsection 105.4.5 as follows:

**105.4.5 Corrected documents. CONSTRUCTION AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.** Where field conditions necessitate any substantial change from the approved construction documents, the fire code

official shall have the authority to require the corrected construction documents to be submitted for approval. **THE FIRE CODE OFFICIAL SHALL DETERMINE THE LEVEL OF CHANGES FOR THE SPECIFIC PROJECT. MINOR CHANGES CAN BE HAND DRAWN ON A COPY OF THE ORIGINAL APPROVED CONSTRUCTION DOCUMENTS. MAJOR CHANGES SHALL BE RE-DRAFTED. A MINIMUM OF THREE SETS OF CORRECTED PLANS SHALL BE SUBMITTED FOR APPROVAL. AS-BUILT CORRECTED CONSTRUCTION DOCUMENTS SHALL BE SUBMITTED PRIOR TO CERTIFICATE OF OCCUPANCY ISSUANCE.**

Add new Subsection 105.4.7 as follows:

**105.4.7 ELECTRONIC CONSTRUCTION DOCUMENTS. A FULL SET OF APPROVED CONSTRUCTION DOCUMENTS, INCLUDING ANY AS-BUILT CONSTRUCTION DOCUMENTS, SHALL BE PROVIDED AS AN ELECTRONIC FILE. THE ELECTRONIC FILE SHALL BE A PORTABLE DOCUMENT FORMAT (PDF) AND STORED ON A CD-ROM DISK. ELECTRONIC CONSTRUCTION DOCUMENTS SHALL BE SUBMITTED PRIOR TO CERTIFICATE OF OCCUPANCY ISSUANCE.**

Revise Subsection 105.6.23 as follows:

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

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

Exception: Work that is conducted under a construction permit.

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

Revise Subsection 105.6.30 as follows:

**105.6.30 Open Burning.** An operational permit is required for the kindling or maintaining of an open fire, **AN OPEN BURN, A RECREATIONAL FIRE IN A WILDFIRE RISK AREA, A BURN USING A FORCED AIR CURTAIN DESTRUCTOR, A PUBLIC ASSEMBLY FIRE,** or a fire on any public street, alley, road, or other public or private ground. Instructions and stipulations of the permit shall be adhered to.

**Exception:** Recreational fires **NOT IN A WILDFIRE RISK AREA.**

Revise Subsection 105.6.31 as follows:

**105.6.31 Open flames and torches.** An operational permit is required to remove paint with a torch; or to use a torch or open-flame device in a ~~hazardous fire~~ **WILDFIRE RISK** area.

Add new Subsection 105.7.14 as follows:

**105.7.14 GATES ACROSS FIRE APPARATUS ACCESS ROADS. A CONSTRUCTION PERMIT IS REQUIRED TO INSTALL OR MODIFY GATES ACROSS FIRE APPARATUS ACCESS ROADS.**

Add new Subsection 105.7.15 as follows:

**105.7.15 AUTOMATIC FIRE-EXTINGUISHING SYSTEM SUPERVISION MONITORING EQUIPMENT. A CONSTRUCTION PERMIT IS REQUIRED FOR INSTALLATION OF OR MODIFICATION TO AUTOMATIC FIRE-EXTINGUISHING SYSTEM SUPERVISION MONITORING EQUIPMENT WHEN SUCH EQUIPMENT IS NOT INCLUDED IN A FIRE ALARM AND DETECTION SYSTEM PERMIT. MAINTENANCE PERFORMED IN ACCORDANCE WITH THIS CODE IS NOT CONSIDERED A MODIFICATION AND DOES NOT REQUIRE A PERMIT.**

Add new Subsection 106.2.1 as follows:

**106.2.1 INSPECTION REQUESTS. IT SHALL BE THE DUTY OF THE HOLDER OF THE PERMIT OR THEIR DULY AUTHORIZED AGENT TO NOTIFY THE FIRE CODE OFFICIAL WHEN WORK IS READY FOR INSPECTION. IT SHALL BE THE DUTY OF THE PERMIT HOLDER TO PROVIDE ACCESS TO AND MEANS FOR INSPECTIONS OF SUCH WORK THAT ARE REQUIRED BY THIS CODE.**

Add new Subsection 106.2.2 as follows:

**106.2.2 APPROVAL REQUIRED. WORK SHALL NOT BE DONE BEYOND THE POINT INDICATED IN EACH SUCCESSIVE INSPECTION WITHOUT FIRST OBTAINING THE APPROVAL OF THE FIRE CODE OFFICIAL. THE FIRE CODE OFFICIAL, UPON NOTIFICATION, SHALL MAKE THE REQUESTED INSPECTIONS AND SHALL EITHER INDICATE THE PORTION OF THE CONSTRUCTION THAT IS SATISFACTORY AS COMPLETED, OR NOTIFY THE PERMIT HOLDER OR HIS OR HER AGENT WHEREIN THE SAME FAILS TO COMPLY WITH THIS CODE. ANY PORTIONS THAT DO NOT COMPLY SHALL BE CORRECTED AND SUCH PORTION SHALL NOT BE COVERED OR CONCEALED UNTIL AUTHORIZED BY THE FIRE CODE OFFICIAL.**

Revise Section 106.3 as follows:

**106.3 Concealed work. IT SHALL BE THE DUTY OF THE PERMIT APPLICANT TO CAUSE THE WORK TO REMAIN ACCESSIBLE AND EXPOSED FOR INSPECTION PURPOSES. Whenever any installation subject to inspection prior to use is covered or concealed without having first been inspected, the fire code official shall have the authority to require that such work be exposed for inspection. NEITHER THE FIRE CODE OFFICIAL NOR THE JURISDICTION SHALL BE LIABLE FOR EXPENSE ENTAILED IN THE REMOVAL OR REPLACEMENT OF ANY MATERIAL REQUIRED TO ALLOW INSPECTION.**

Add new Section 106.5 as follows:

**106.5 ON-SITE CONSTRUCTION DOCUMENTS. ONE SET OF CODE OFFICIAL APPROVED CONSTRUCTION DOCUMENTS SHALL BE ON THE JOB SITE FOR EACH INSPECTION. FAILURE TO HAVE APPROVED CONSTRUCTION DOCUMENTS ON SITE SHALL RESULT IN CANCELING THE INSPECTION AND IS SUBJECT TO ASSESMENT OF A FEE IN ACCORDANCE WITH THE ADOPTED FEE SCHEDULE.**

Add new Section 108.4 as follows:

**108.4 ADMINISTRATIVE APPEAL. WHENEVER A VIOLATION OF THIS CODE HAS BEEN FOUND AND THE APPLICANT WISHES TO APPEAL THE DECISION OF THE STAFF BECAUSE OF CODE INTERPRETATION, OR UNREASONABLE HARDSHIP, AN APPEAL MAY BE FILED TO THE FIRE CHIEF AND FIRE MARSHAL OR AN AUTHORIZED REPRESENTATIVE, AS FOLLOWS:**

- 1. AN APPEAL SHALL BE FILED IN WRITING TO THE GOLDER RANCH FIRE DISTRICT COMMUNITY SERVICES DIVISION.**
- 2. THE FIRE CHIEF AND FIRE MARSHAL, OR AN AUTHORIZED REPRESENTATIVE WILL HEAR THE APPEAL WITHIN 10 WORKING DAYS OF THE RECEIPT OF THE APPEAL.**
- 3. THE FIRE CHIEF AND FIRE MARSHAL, OR AN AUTHORIZED REPRESENTATIVE, MAY USE A HEARING COMMITTEE CONSISTING OF SUCH STAFF AS IS DEEMED APPROPRIATE TO PROVIDE ADVICE ON A PARTICULAR APPEAL.**
- 4. ADEQUATE INFORMATION SHALL BE PROVIDED BY THE APPLICANT ON THE PETITION OF APPEAL TO FULLY DESCRIBE THE CONDITION(S) IN QUESTION.**
- 5. THE APPLICANT MAY, BUT IS NOT REQUIRED TO, MEET WITH THE FIRE CHIEF AND FIRE MARSHAL, OR A DESIGNATED REPRESENTATIVE, TO DISCUSS THE APPEAL.**
- 6. IF THE APPEAL IS DENIED, THE APPLICANT SHALL COMPLY WITH THE REQUIREMENT(S) OF THE FIRE CODE OR FILE AN APPEAL TO THE BOARD OF APPEALS AS PROVIDED IN SECTION 108.1 OF THIS CODE.**

Revise Section 109.3 by inserting text as follows:

**109.3 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 [SPECIFY AN OFFENSE], punishable by a fine of not more than [AMOUNT] dollars or by imprisonment not exceeding [NUMBER OF DAYS], or both such fine and imprisonment. Each day that a violation continues after due notice has been served shall be deemed a separate offense~~ **SUBJECT TO PENALTIES AND PRESCRIBED BY LAW.**

Revise Section 111.4 by inserting text as follows:

**111.4 Failure to comply.** Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be ~~liable to a fine of not less than [AMOUNT] dollars or more than [AMOUNT] dollars~~ **SUBJECT TO PENALTIES AS PRESCRIBED BY LAW.**

Add new Section 112 as follows:

## **SECTION 112 FEES**

**112.1 FEES. A PERMIT SHALL NOT BE ISSUED UNTIL THE FEES HAVE BEEN PAID, NOR SHALL AN AMENDMENT TO A PERMIT BE RELEASED UNTIL THE ADDITIONAL FEE, IF ANY, HAS BEEN PAID. OPERATIONAL SERVICES SHALL NOT BE COMPLETED UNTIL THE FEES, IF ANY, HAVE BEEN PAID.**

**112.2 SCHEDULE OF PERMIT AND OPERATIONAL SERVICES FEES. A FEE FOR EACH PERMIT SHALL BE PAID AS REQUIRED, IN ACCORDANCE WITH THE ADOPTED FEE SCHEDULE.**

**112.3 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 500 PERCENT OF THE USUAL PERMIT FEE, WHICH SHALL BE IN ADDITION TO THE REQUIRED PERMIT FEES. THE PAYMENT OF SUCH FEE SHALL NOT EXEMPT AN APPLICANT FROM COMPLIANCE WITH ALL OTHER PROVISIONS OF THIS CODE AND/OR OTHER ORDINANCES AND REQUIREMENTS NOR FROM ANY PENALTIES PRESCRIBED BY LAW. ALL WORK SHALL CEASE UNTIL THE REQUIRED PERMITS ARE OBTAINED.**

**112.4 FEE REFUNDS. THE FIRE CODE OFFICIAL IS AUTHORIZED TO ESTABLISH A REFUND POLICY.**

## CHAPTER 2

Revise Section 201.4 as follows:

**201.4 Terms not defined.** Where terms are not defined through the methods authorized by this section, such terms shall have ordinarily accepted meanings such as the context implies. ~~Webster's Third New International Dictionary of the English Language,~~ **MERRIAM WEBSTER'S COLLEGIATE DICTIONARY, 11TH EDITION**, shall be considered as providing ordinarily accepted meanings.

Revise Section 202 by adding the following definitions:

**DIRECTED CARE SERVICE. CARE OF RESIDENTS, INCLUDING PERSONAL CARE SERVICES, WHO ARE INCAPABLE OF RECOGNIZING DANGER, SUMMONING ASSISTANCE, EXPRESSING NEED OR MAKING BASIC CARE DECISIONS.**

**DRIVEWAY. A VEHICULAR INGRESS AND EGRESS ROUTE THAT SERVES NO MORE THAN TWO BUILDINGS OR STRUCTURES, NOT INCLUDING ACCESSORY STRUCTURES, OR NO MORE THAN FIVE DWELLING UNITS.**

**PERSONAL CARE SERVICE. ASSISTANCE WITH ACTIVITIES OF DAILY LIVING THAT CAN BE PERFORMED BY PERSONS WITHOUT PROFESSIONAL SKILLS OR PROFESSIONAL TRAINING AND INCLUDES THE COORDINATION OR PROVISION OF INTERMITTENT NURSING SERVICES AND THE ADMINISTRATION OF MEDICATIONS AND TREATMENTS.**

**RESIDENTIAL CARE/ASSISTED LIVING HOME. A BUILDING OR PART THEREOF HOUSING A MAXIMUM OF 10 PERSONS, EXCLUDING STAFF, ON A 24-HOUR BASIS, WHO BECAUSE OF AGE, MENTAL DISABILITY OR OTHER REASONS, LIVE IN A SUPERVISED RESIDENTIAL ENVIRONMENT WHICH PROVIDES SUPERVISORY, PERSONAL, OR DIRECTED SERVICES. THIS CLASSIFICATION SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING: RESIDENTIAL BOARD AND CARE FACILITIES, ASSISTED LIVING HOMES, HALFWAY HOUSES, GROUP HOMES, CONGREGATE CARE FACILITIES, SOCIAL REHABILITATION FACILITIES, ALCOHOL AND DRUG ABUSE CENTERS AND CONVALESCENT FACILITIES.**

**SHOPPING CENTER. A GROUP OF MULTIPLE OCCUPANCIES PLANNED AND DESIGNED FOR THE SITE ON WHICH IT IS BUILT, FUNCTIONING AS A UNIT, WITH OFF-STREET PARKING, LANDSCAPED AREAS AND PEDESTRIAN MALLS OR PLAZAS PROVIDED ON THE PROPERTY AS AN INTEGRAL PART OF THE UNIT. THE UNIT HAS COMMON POINTS OF INGRESS AND EGRESS AND SINGLE OR MULTIPLE LOTS OR UNDER SINGLE OR MULTIPLE OWNERSHIP.**

**SUPERVISORY CARE SERVICE. GENERAL SUPERVISION, INCLUDING DAILY AWARENESS OF RESIDENT FUNCTIONING AND CONTINUING NEEDS.**

**WILDFIRE RISK AREA. LAND WHICH IS COVERED WITH GRASS, GRAIN, BRUSH OR FOREST, WHETHER PRIVATELY OR PUBLICLY OWNED, WHICH IS SO SITUATED OR IS OF SUCH INACCESSIBLE LOCATION THAT A FIRE ORIGINATING UPON IT WOULD PRESENT AN ABNORMALLY DIFFICULT JOB OF SUPPRESSION OR WOULD RESULT IN GREAT OR UNUSUAL DAMAGE THROUGH FIRE OR SUCH AREAS DESIGNATED BY THE FIRE CODE OFFICIAL.**

Revise Section 202 as follows:

**Group I-1.** This occupancy shall include buildings, structures or parts thereof housing more than ~~16~~ **10** persons, on a 24-hour basis, who because of age, mental disability or other reasons, live in a residential environment that provides supervisory care services. The occupants are capable of responding to an emergency situation without physical assistance from staff. This group shall include, but not be limited to, the following:

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

A facility such as the above with ~~five~~ **TEN** or fewer persons shall be classified as a Group ~~R-3~~ **R-4** **CONDITION 1** or shall comply with the *International Residential Code* in accordance with Section 101.2 ~~A facility such as above, housing at least six and not more than 16 persons, shall be classified as Group R-4.~~ **WHERE THE BUILDING IS IN COMPLIANCE WITH SECTION 419 OF THE INTERNATIONAL BUILDING CODE.**

Revise Section 202 as follows:

**Group I-2.** This occupancy shall include buildings and structures used for medical, surgical, psychiatric, nursing, ~~or~~ custodial, personal, **OR DIRECTED CARE** on a 24-hour basis of more than five persons who are not capable of self-preservation **BY RESPONDING TO AN EMERGENCY SITUATION WITHOUT PHYSICAL ASSISTANCE FROM STAFF.** This group shall include, but not be limited to, the following:

- Hospitals
- Nursing homes (both intermediate-care facilities and skilled nursing facilities)
- Mental hospitals
- Detoxification facilities

A facility such as the above with five or fewer persons shall be classified as Group R-3 or shall comply with the *International Residential Code* in accordance with Section 101.2.

**THIS OCCUPANCY SHALL ALSO INCLUDE BUILDINGS AND STRUCTURES USED FOR ASSISTED LIVING HOMES PROVIDING SUPERVISORY, PERSONAL, OR DIRECTED CARE ON A 24-HR BASIS OF MORE THAN 10 PERSONS WHO ARE NOT CAPABLE OF SELF-PRESERVATION BY RESPONDING TO AN EMERGENCY SITUATION WITHOUT PHYSICAL ASSISTANCE FROM STAFF. A FACILITY SUCH AS THE ABOVE WITH TEN OR FEWER PERSONS SHALL BE CLASSIFIED AS R-4 CONDITION 2.**

Revise Section 202 as follows:

**R-4.** Residential occupancies shall include buildings arranged for occupancy as residential care/assisted living homes including not more than ~~16~~ **10** occupants, excluding staff.

Group R-4 occupancies shall meet the requirements for construction as defined in the *International Building Code* for Group R-3 **AND SECTION 419** or shall comply with the *International Residential Code* **WHERE THE BUILDING IS IN COMPLIANCE WITH SECTION 419 OF THE INTERNATIONAL BUILDING CODE.**

**CONDITION 1. THIS OCCUPANCY CONDITION SHALL INCLUDE FACILITIES LICENSED TO PROVIDE SUPERVISORY CARE SERVICES, IN WHICH OCCUPANTS ARE CAPABLE OF SELF PRESERVATION BY RESPONDING TO AN EMERGENCY SITUATION WITHOUT PHYSICAL ASSISTANCE FROM STAFF. CONDITION 1 FACILITIES HOUSING MORE THAN 10 PERSONS SHALL BE CLASSIFIED AS A GROUP I-1.**

**CONDITION 2. THIS OCCUPANCY CONDITION SHALL INCLUDE FACILITIES LICENSED TO PROVIDE PERSONAL OR DIRECTED CARE SERVICES, IN WHICH OCCUPANTS ARE INCAPABLE OF SELF PRESERVATION BY RESPONDING TO AN EMERGENCY WITHOUT PHYSICAL ASSISTANCE FROM STAFF. CONDITION 2 FACILITIES HOUSING MORE THAN 10 PERSONS SHALL BE CLASSIFIED AS GROUP I-2.**

### CHAPTER 3

Revise Section 302.1 as follows:

~~**BONFIRE.** An outdoor fire used for ceremonial purposes.~~

**FORCED AIR CURTAIN DESTRUCTOR. A FORCED AIR PIT INCINERATOR FOR THE PURPOSE OF DISPOSAL OF WASTE VEGETATIVE DEBRIS.**

**PUBLIC ASSEMBLY FIRE. AN OPEN, OUTDOOR FIRE USED FOR CEREMONIAL PURPOSES AT A GATHERING OF PERSONS FOR PURPOSES SUCH AS CIVIC, SOCIAL OR RELIGIOUS FUNCTIONS, OR FOR RECREATION.**

Revise Section 307.2 as follows:

**307.2 Permit required.** A permit shall be obtained from the fire code official in accordance with Section 105.6 prior to kindling a fire for recognized silvicultural or range or wildlife management practices, prevention or control of disease or pests, **AN OPEN BURN, A RECREATIONAL FIRE IN A WILDFIRE RISK AREA, A BURN USING A FORCED AIR CURTAIN DESTRUCTOR, AND A**

**PUBLIC ASSEMBLY FIRE, or a bonfire.** Application for such approval shall only be presented by and permits issued to the owner of the land upon which the fire is to be kindled.

Revise Subsection 307.4.1 as follows:

**307.4.1 ~~Bonfires~~ PUBLIC ASSEMBLY FIRE.** A ~~bonfire~~ **PUBLIC ASSEMBLY FIRE** shall not be conducted within ~~50~~ **40** feet (~~15-240 mm~~) (**12,192 mm**) of a structure or combustible material ~~unless the fire is contained in a barbecue pit.~~ Conditions which could cause a fire to spread within ~~50~~ **40** feet (~~15-240 mm~~) (**12,192 mm**) of a structure shall be eliminated prior to ignition. **PUBLIC ASSEMBLY FIRES MAY NOT EXCEED A TOTAL PILE SIZE FUEL AREA OF 4 FEET IN DIAMETER AND 3 FEET IN HEIGHT AND SHALL BE ONLY COMPRISED OF NATURAL LOGGED WOOD. THE BURNING OF DEAD OR CUT LANDSCAPE VEGETATION, BUILDING CONSTRUCTION LUMBER, WASTE MATERIAL, OR RUBBISH IS PROHIBITED.**

Add new Subsection 307.4.3 as follows:

**307.4.3 FORCED AIR CURTAIN DESTRUCTOR FIRE.** A **FORCED AIR CURTAIN DESTRUCTOR FIRE SHALL NOT BE CONDUCTED WITHIN 500 FEET OF ANY DWELLING. CONDITIONS WHICH COULD CAUSE A FIRE TO SPREAD WITHIN 50 FEET (15,240 MM) OF A STRUCTURE SHALL BE ELIMINATED PRIOR TO IGNITION.**

Revise Section 307.5 as follows:

**307.5 Attendance.** Open burning, ~~bonfires~~ **FORCED AIR CURTAIN DESTRUCTOR FIRES, PUBLIC ASSEMBLY FIRES,** or recreational fires shall be constantly attended until the fire is extinguished. A minimum of one portable fire extinguisher complying with Section 906 with a minimum 4-A rating or other approved on-site fire-extinguishing equipment, such as dirt, sand, water barrel, garden hose or water truck, shall be available for immediate utilization.

**PUBLIC ASSEMBLY FIRES SHALL HAVE A PHYSICAL BARRIER LOCATED WITH A MINIMUM OF 15 FOOT RADIUS AROUND THE EDGE OF THE FIRE AND UNAUTHORIZED PERSONS SHALL NOT BE ALLOWED TO APPROACH THE FIRE.**

**A FORCED AIR CURTAIN DESTRUCTOR FIRE SHALL HAVE A PHYSICAL BARRIER LOCATED AT A MINIMUM OF 15 FOOT RADIUS AROUND THE EDGE OF THE FIRE AND UNAUTHORIZED PERSONS SHALL NOT BE ALLOWED TO APPROACH THE FIRE. FIRE IGNITION SHALL BE NO EARLIER THAN ONE HOUR AFTER SUNRISE AND SHALL BE COMPLETELY EXTINGUISHED TWO HOURS BEFORE SUNSET. THE FIRE SHALL NOT BE ALLOWED TO SMOLDER.**

Revise Subsection 308.3.1 as follows:

**308.3.1 Open-flame cooking devices.** Charcoal burners and other open-flame cooking devices shall not be operated on combustible balconies or within 10 feet (3048 mm) of combustible construction.

Exceptions:

1. One- and two-family dwellings.
2. Where buildings, balconies and decks are protected by an automatic sprinkler system.
3. **LP-GAS COOKING DEVICES HAVING LP GAS CONTAINER WITH A WATER CAPACITY NOT GREATER THAN 2.5 POUNDS [NOMINAL 1 POUND (0.454 KG) LP-GAS CAPACITY].**

Delete Subsection 308.3.1.1

Revise Section 308.5 as follows:

**308.5 Open-flame devices.** Torches and other devices, machines or processes liable to start or cause fire shall not be operated or used in or upon ~~hazardous fire~~ **WILDFIRE RISK** areas, except by a permit in accordance with Section 105.6 secured from the fire code official.

Exception: Use within inhabited premises or designated campsites which are a minimum of 30 feet (9144 mm) from grass-, grain-, brush- or forest-covered areas.

Revise Subsection 308.5.1 as follows:

**308.5.1 Signals and markers.** Flame-employing devices, such as lanterns or kerosene road flares, shall not be operated or used as a signal or marker in or upon ~~hazardous fire~~ **WILDFIRE RISK** areas.

**Exception:** The proper use of fuses at the scenes of emergencies or as required by standard railroad operating procedures.

Revise Subsection 311.2.1 as follows:

**311.2.1 Security.** Exterior openings and interior openings accessible to other tenants or unauthorized persons shall be boarded, locked, blocked or otherwise protected to prevent entry by unauthorized individuals. **THE FIRE CODE OFFICIAL IS AUTHORIZED TO PLACARD, POST SIGNS, ERECT BARRIER TAPE, OR TAKE SIMILAR MEASURES AS NECESSARY TO SECURE PUBLIC SAFETY.**

Revise Section 311.5 as follows:

**311.5 Placards.** 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.

Revise Subsection 311.5.2 as follows:

**311.5.2 Placard size and color.** Placards shall be 24 inches by 24 inches (610 mm by 610 mm) **MINIMUM** in size with a red background, white reflective stripes and a white reflective border. The stripes and border shall have a 2-inch (51mm) **MINIMUM** stroke.

**CHAPTER 4**

Add new Subsection 404.5.1 as follows:

**404.5.1 DISTRIBUTION. THE FIRE SAFETY AND EVACUATION PLANS SHALL BE DISTRIBUTED TO THE TENANTS AND BUILDING SERVICE EMPLOYEES BY THE OWNER OR OWNER'S AGENT. TENANTS SHALL DISTRIBUTE TO THEIR EMPLOYEES APPLICABLE PARTS OF THE FIRE SAFETY PLAN AFFECTING THE EMPLOYEES' ACTIONS IN THE EVENT OF A FIRE OR OTHER EMERGENCY.**

**CHAPTER 5**

Revise Section 503.1 as follows:

**503.1 Where required.** Fire apparatus access roads shall be provided and maintained in accordance with Sections 503.1.1 through 503.1.3, **AND APPENDIX D.**

Revise Section 503.2 as follows:

**503.2 Specifications.** Fire apparatus access roads shall be installed and arranged in accordance with Sections 503.2.1 through 503.2.7, **AND APPENDIX D.**

Add new Section 503.7 as follows:

**503.7 TRAFFIC CONTROL SIGNALING DEVICES. FIRE APPARATUS ACCESS ROADS, WHICH HAVE NEW ELECTRONIC TRAFFIC CONTROL SIGNALING DEVICES INSTALLED, SHALL INCLUDE PREEMPTIVE CONTROL EQUIPMENT COMPATIBLE WITH THE FIRE DEPARTMENT'S EXISTING SYSTEM.**

Revise Section 504.1 as follows:

**504.1 Required access.** Exterior doors and openings required by this code or the International Building Code shall be maintained readily accessible for emergency access by the fire department. **LOCKS AND LATCHES SHALL HAVE EXTERIOR HARDWARE PERMITTING EMERGENCY OPERATION BY THE FIRE DEPARTMENT. WHERE ACCESS DOORS ARE USED IN PAIRS, AND APPROVED FLUSH BOLTS ARE USED, THE DOOR LEAF HAVING THE FLUSH BOLT SHALL HAVE NO SURFACE-MOUNTED HARDWARE.** An approved access walkway leading from fire apparatus access roads to exterior openings shall be provided when required by the fire code official.

Revise Section 505.1 as follows:

**505.1 Address numbers.** 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. These numbers shall contrast with their background. Address numbers shall be ~~Arabic numerals or alphabet letters. Numbers shall be a minimum of 4 inches (102 mm) high with a minimum stroke width of 0.5 inch (12.7 mm).~~ **IN ACCORDANCE WITH TOWN OF ORO VALLEY ADDRESS DISPLAY REQUIREMENTS, AS APPLICABLE. ADDRESS NUMBERS SHALL BE VISIBLE FROM BOTH DIRECTIONS OF TRAVEL ALONG THE FIRE APPARATUS ACCESS ROAD. ADDRESS NUMBERS SHALL ALSO BE LOCATED AT THE DRIVEWAY ENTRANCE WHERE THE ADDRESS IS NOT VISIBLE FROM THE DRIVEWAY ENTRY.**

Add new Section 505.3 as follows:

**505.3 GRAPHIC DIRECTORIES. APPROVED ILLUMINATED GRAPHIC ALL WEATHER DIRECTORIES SHALL BE PROVIDED AT MAIN DRIVEWAY ENTRANCES FOR EVERY MULTIPLE DWELLING DEVELOPMENT, MOBILE HOME PARK, OR WHEN REQUIRED BY THE CODE OFFICIAL.**

Revise Section 508.1 as follows:

**508.1 Required water supply.** An approved water supply capable of supplying the required fire flow for fire protection shall be provided to premises upon which facilities, buildings or portions of buildings are hereafter constructed or moved into or within the jurisdiction. **WHERE PROPERTY IS SUBDIVIDED**

**WITH OR WITHOUT THE CREATION OF PUBLIC OR PRIVATE STREETS FOR THE EXPRESSED PURPOSE OF PROVIDING SAID SUBDIVIDED PARCELS FOR SALE OR OTHERWISE PERMITTING SEPARATE AND/OR INDIVIDUAL DEVELOPMENT TO OCCUR, AN APPROVED WATER SUPPLY CAPABLE OF SUPPLYING THE PROJECTED FIRE FLOW FOR FIRE PROTECTION SHALL BE PROVIDED AND EXTENDED TO SERVE DIRECTLY ANY AND ALL SUBDIVIDED PROPERTIES. THE PROJECTED FIRE FLOW WILL BE BASED ON THE GREATEST POTENTIAL DEMAND POSED BY ANY TYPE OF OCCUPANCY ALLOWED BY ZONING LAWS ON THE PROJECTED PROPERTY.**

Revise Section 508.3 as follows:

**508.3 Fire flow.** Fire flow requirements for buildings or portions of buildings and facilities shall be determined by an approved method **AND IN ACCORDANCE WITH APPENDIX B.**

Revise Section 508.5 as follows:

**508.5 Fire hydrant systems.** Fire hydrant systems shall comply with Sections 508.5.1 through 508.5.7 **AND APPENDIX C.**

Revise Subsection 508.5.1 as follows:

**508.5.1 Where required.** Where a portion of the facility or building hereafter constructed or moved into or within the jurisdiction is more than ~~400~~ **300** feet from a hydrant on a fire apparatus access road, as measured by an approved route around the exterior of the facility or building, on-site fire hydrants and mains shall be provided where required by the fire code official. **HYDRANTS SHALL BE INSTALLED AT THE ENTRANCES FROM MAIN ARTERIAL FIRE APPARATUS ACCESS ROADS TO ALL PLANNED AREA DEVELOPMENTS. WHERE WATER MAINS ARE EXTENDED, REPLACED, OR RELOCATED, HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH THE DISTANCE REQUIREMENTS OF THIS SECTION.**

Exceptions:

1. For Group R-3, ~~and~~ Group U occupancies, **ONE- AND TWO-FAMILY DWELLINGS, AND THEIR ACCESSORY STRUCTURES GREATER THAN 1,000 SQUARE FEET IN FIRE AREA**, the distance requirement shall be ~~600~~ **400** feet.
2. For **ONE- AND TWO-FAMILY DWELLINGS, AND THEIR ACCESSORY STRUCTURES GREATER THAN 1,000 SQUARE FEET IN FIRE AREA** ~~buildings~~ equipped throughout with an approved automatic sprinkler system installed in accordance with Section 903.3.1.1 ~~or 903.3.1.2~~, the distance requirement shall be 600 feet (183 m).

Revise Subsection 508.5.4 as follows:

**508.5.4 Obstructions.** Posts, fences, vehicles, growth, trash, storage and other materials or objects shall not be placed or kept near fire hydrants, fire department inlet connections or fire protection system control valves in a manner that would prevent such equipment or fire hydrants from being immediately discernible. 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 OF FIRE PROTECTION EQUIPMENT OR FIRE HYDRANTS.**

Add new Subsection 508.5.4.1 as follows:

**508.5.4.1 OBSTRUCTION AT THE TIME OF AN EMERGENCY. AT THE TIME OF AN EMERGENCY, THE FIRE DEPARTMENT SHALL NOT BE DETERRED OR HINDERED**

**FROM GAINING IMMEDIATE ACCESS TO FIRE PROTECTION EQUIPMENT OR FIRE HYDRANTS.**

Add new Subsection 508.5.7 as follows:

**508.5.7 REFLECTIVE PAVEMENT MARKERS. ALL FIRE HYDRANTS SHALL BE IDENTIFIED BY THE INSTALLATION OF APPROVED BLUE REFLECTIVE PAVEMENT MARKERS.**

Add new Subsection 508.5.8 as follows:

**508.5.8 OUT OF SERVICE HYDRANTS. OUT OF SERVICE HYDRANTS SHALL BE CLEARLY MARKED OR TAGGED AS OUT OF SERVICE. WHILE THE WATER LINES ARE UNDERGOING BACTERIOLOGICAL CLEANSING AND TESTING, THE HYDRANTS SHALL BE MARKED AS OUT OF SERVICE. OUT OF SERVICE MARKING AND TAGS SHALL REMAIN UNTIL THE HYDRANT HAS BEEN INSPECTED AND APPROVED BY THE WATER UTILITY, AND IS IN SERVICE. THE WATER UTILITY WILL NOTIFY THE FIRE MARSHAL WHEN THE HYDRANTS ARE IN SERVICE AND AVAILABLE FOR FIRE FLOW TESTING.**

Add new Section 510.2 as follows:

**510.2 EQUIPMENT ACCESS. APPROVED ACCESS SHALL BE PROVIDED AND MAINTAINED FOR ALL FIRE PROTECTION EQUIPMENT TO PERMIT IMMEDIATE SAFE OPERATION AND MAINTENANCE OF SUCH EQUIPMENT. MATERIALS OR OBJECTS SHALL NOT BE PLACED OR KEPT IN SUCH A MANNER THAT WOULD PREVENT SUCH EQUIPMENT FROM BEING READILY ACCESSIBLE.**

Add new Section 511 CONSTRUCTION DOCUMENT CABINET as follows:

**511.1 WHERE REQUIRED. A CONSTRUCTION DOCUMENT CABINET SHALL BE PROVIDED FOR EVERY FACILITY, BUILDING OR PORTION OF A BUILDING HEREAFTER CONSTRUCTED OR MOVED INTO OR WITHIN THE JURISDICTION.**

**511.2 CONTENTS. THE CONSTRUCTION DOCUMENT CABINET SHALL CONTAIN A COPY OF THE APPROVED CONSTRUCTION DOCUMENTS, INCLUDING ANY AS-BUILT DOCUMENTS, INDICATING THE TYPICAL FLOOR PLAN AND DETAILING THE BUILDING CORE, MEANS OF EGRESS, FIRE PROTECTION SYSTEMS, FIRE-FIGHTING EQUIPMENT AND FIRE DEPARTMENT ACCESS.**

**511.3 CABINET CONSTRUCTION. THE CONSTRUCTION DOCUMENT CABINET SHALL BE A KNOX CABINET OR OTHER DURABLE, LOCKABLE CABINET AS APPROVED BY THE FIRE CODE OFFICIAL. THE CABINET SHALL BE SIZED TO HOLD THE CONTENTS INDICATED IN SECTION 511.2. LARGE BUILDINGS MAY REQUIRE ADDITIONAL CABINETS.**

**511.4 LOCATION. THE CONSTRUCTION DOCUMENT CABINET SHALL BE LOCATED ADJACENT TO THE AUTOMATIC SPRINKLER SYSTEM RISER OR IN THE FIRE COMMAND CENTER WHERE PROVIDED.**

## CHAPTER 6

Add new Section 605.11 as follows:

**605.11 ELECTRICAL SERVICE SHUTOFF ACCESS. WHERE ELECTRICAL SERVICE SHUT OFF CONTROLS ARE LOCATED INSIDE A BUILDING, A DOOR PROVIDING DIRECT ACCESS FROM THE EXTERIOR TO THE ROOM CONTAINING SUCH SHUT OFF CONTROLS SHALL BE PROVIDED WHERE REQUIRED BY THE CODE OFFICIAL.**

Add new Subsection 608.6.3 as follows:

**608.6.3 SUPERVISION. VENTILATION SYSTEMS REQUIRED BY SECTION 608.6.1 AND 608.6.2 SHALL BE SUPERVISED BY AN APPROVED CENTRAL, PROPRIETARY, OR REMOTE STATION SERVICE OR SHALL INITIATE AN AUDIBLE AND VISUAL SIGNAL AT A CONSTANTLY ATTENDED ON-SITE LOCATION.**

## CHAPTER 9

Revise 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. APPROVED AUTOMATIC SPRINKLER SYSTEMS SHALL BE PROVIDED THROUGHOUT ALL ONE- AND TWO-FAMILY DWELLINGS AND TOWNHOUSES USED AS MODEL HOMES WITH SALES OR CONSTRUCTION OFFICES, AND ONE- AND TWO-FAMILY DWELLINGS AND TOWNHOUSES WHICH EXCEED 3,600 SQUARE FEET IN FIRE-FLOW CALCULATION AREA HEREAFTER CONSTRUCTED WITHIN OR MOVED INTO THE JURISDICTION.**

Exception: (Unchanged)

Revise Subsection 903.2.1 by deleting in its entirety and reserving the numbering.

Revise Subsection 903.2.2 by deleting in its entirety and reserving the numbering.

Revise Subsection 903.2.3 by deleting in its entirety and reserving the numbering.

Revise Subsection 903.2.4 by deleting in its entirety and reserving the numbering.

Revise Subsection 903.2.5 by deleting in its entirety and reserving the numbering.

Revise Subsection 903.2.6 by deleting in its entirety and reserving the numbering.

Revise Subsection 903.2.7 by deleting in its entirety and reserving the numbering.

Revise Subsection 903.2.8 by deleting in its entirety and reserving the numbering.

Revise Subsection 903.2.9 by deleting in its entirety and reserving the numbering.

Add new Subsection 903.2.14 as follows:

**903.2.14 R-4 OCCUPANCIES. AN AUTOMATIC SPRINKLER SYSTEM SHALL BE PROVIDED THROUGHOUT ALL R-4 OCCUPANCIES. CONDITION 2 FACILITIES SHALL INCLUDE SPRINKLERS IN ATTICS AND CONCEALED SPACES AND SHALL INCLUDE SUPERVISION AND MONITORING IN ACCORDANCE WITH SECTION 903.4.**

Revise Subsection 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. The potable water supply shall be protected against backflow in accordance with the requirements of this section and the *International Plumbing Code*. **AUTOMATIC SPRINKLER SYSTEM WATER SUPPLY DATA FOR HYDRAULIC CALCULATIONS SHALL BE BASED ON A CURVE THAT IS 90 PERCENT OF THE AVAILABLE WATER SUPPLY CURVE AS DETERMINED BY FLOW TEST INFORMATION.**

Add new Subsection 903.3.8 as follows:

**903.3.8 AUTOMATIC SPRINKLER SYSTEM RISER LOCATION. THE AUTOMATIC SPRINKLER SYSTEM RISER SHALL BE INSTALLED WITHIN A BUILDING. AN EXTERIOR DOOR LEADING DIRECTLY INTO THE ROOM CONTAINING THE FIRE SPRINKLER RISER AND SHUT OFF CONTROLS SHALL BE PROVIDED.**

Revise Section 903.4 as follows:

**903.4 Sprinkler system ~~monitoring~~ SUPERVISION and alarms.** All valves controlling the water supply for automatic sprinkler systems, pumps, tanks, water levels and temperatures, critical air pressures, and water-flow switches on all sprinkler systems shall be electrically supervised **BY A LISTED FIRE ALARM CONTROL UNIT. A MANUAL FIRE ALARM BOX SHALL BE PROVIDED. ACTUATION OF THE WATER-FLOW SWITCH OR MANUAL ALARM BOX SHALL CAUSE AN ALARM SIGNAL.**

Exceptions:

1. **CONTROL VALVES ON A**—automatic sprinkler systems protecting one- and two-family dwellings.

(No change to exception 2 through 7)

Revise Subsection 903.4.1 as follows:

**903.4.1 ~~Signals~~ MONITORING.** Alarm, supervisory and trouble signals shall be distinctly different and shall be automatically transmitted to an approved central station, remote supervising station or proprietary supervising station as defined in NFPA 72 or, when approved by the fire code official, shall sound an audible signal at a constantly attended location.

Revise Subsection 903.4.2 as follows:

**903.4.2 Alarms.** Approved audible devices shall be connected to every automatic sprinkler system. Such sprinkler ~~water-flow~~ alarm devices shall be activated by water flow equivalent to the flow of a single sprinkler of the smallest orifice size installed in the system **OR BY THE MANUAL FIRE ALARM BOX**. Alarm devices shall be provided on the exterior of the building in an approved location. Where a fire alarm system is installed, actuation of the automatic sprinkler system shall actuate the building fire alarm system.

Add new Subsection 903.6.2 as follows:

**903.6.2 NON-SPRINKLERED BUILDING FIRE AREA INCREASE. FOR ALL OCCUPANCIES AND ONE- AND TWO-FAMILY DWELLINGS, AN APPROVED AUTOMATIC SPRINKLER SYSTEM SHALL BE PROVIDED THROUGHOUT THE ENTIRE FIRE AREA, EXISTING AND NEW, WHEN THE SQUARE FOOTAGE OF THE NEW FIRE AREA IS GREATER THAN 25% OF THE TOTAL SQUARE FOOTAGE CREATED BY ADDING THE NEW FIRE AREA TO THE EXISTING FIRE AREA, AND THE AVAILABLE FIRE FLOW IS NOT EQUAL TO THE FIRE FLOW REQUIRED IN ACCORDANCE WITH APPENDIX B.**

Add new Subsection 903.6.3 as follows:

**903.6.3 NON-SPRINK-LERED BUILDING CHANGE OF OCCUPANCY GROUP. APPROVED AUTOMATIC SPRINKLER SYSTEMS SHALL BE PROVIDED THROUGHOUT THE FIRE AREA OF EXISTING NON-SPRINKLERED OCCUPANCIES WHEN THERE IS A CHANGE OF OCCUPANCY TO A GROUP A, E, F, H, I, R-1, R-2, R-4, OR S-1 OCCUPANCY.**

Add new Subsection 907.2.24 as follows:

**907.2.24 MULTI-TENANT COMMERCIAL BUILDING. A MANUAL FIRE ALARM SYSTEM SHALL BE INSTALLED THROUGHOUT THE ENTIRE BUILDING INTENDED FOR MULTIPLE COMMERCIAL TENANT SPACES EXCEEDING 18,000 GROSS SQUARE FEET.**

**EXCEPTION: MANUAL FIRE ALARM BOXES ARE NOT REQUIRED WHERE THE BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM AND THE ALARM NOTIFICATION APPLIANCES WILL ACTIVATE UPON SPRINKLER WATER FLOW.**

Add new Subsections 907.10.3, 907.10.3.1, 907.10.3.2, and 907.10.1.3.3 as follows:

**907.10.3 ANNUNCIATION PANEL. AN ANNUNCIATION PANEL SHALL BE INSTALLED IN ACCORDANCE WITH SECTIONS 907.10.3.1 THROUGH 907.10.3.3.**

**907.10.3.1 LOCATION. AN ANNUNCIATION PANEL SHALL BE LOCATED NOT MORE THAN 5 FEET (1524 MM) FROM THE PRIMARY FIRE DEPARTMENT ACCESS DOOR. ADDITIONAL ANNUNCIATION PANELS SHALL BE LOCATED NOT MORE THAN 5 FEET (1524 MM) FROM A SECONDARY FIRE DEPARTMENT ACCESS DOOR OR AS APPROVED BY THE CODE OFFICIAL.**

**907.10.3.2 HEIGHT. THE HEIGHT OF THE ANNUNCIATION PANEL SHALL BE A MINIMUM OF 42 INCHES (1067 MM) AND A MAXIMUM OF 48 INCHES (1372 MM) MEASURED VERTICALLY, FROM THE FLOOR LEVEL TO THE BOTTOM OF THE PANEL.**

**907.10.3.3 FUNCTION. ANNUNCIATION PANELS SHALL INDICATE ALL ALARM, SUPERVISORY, AND TROUBLE SIGNALS.**

Revise Section 913.4 as follows:

**913.4 Valve supervision.** Where provided, the fire pump suction, discharge and bypass valves, and the isolation valves on the backflow prevention device or assembly shall be supervised **IN ACCORDANCE WITH SECTION 903.4.** ~~open by one of the following methods.~~

1. ~~Central station, proprietary, or remote station signaling service.~~
2. ~~Local signaling service that will cause the sounding of an audible signal at a constantly attended location.~~
3. ~~Locking valves open.~~
4. ~~Sealing of valves and approved weekly recorded inspection where valves are located within fenced enclosures under the control of the owner.~~

## CHAPTER 10

Revise Section 1028.2 as follows:

**1028.2 Reliability.** Required exit accesses, exits or exit discharges shall be continuously maintained free from obstructions or impediments to full instant use in the case of fire or other emergency when the areas served by such exits are occupied. Security devices affecting means of egress shall be subject to approval of the fire code official. **WHERE PANIC AND FIRE EXIT HARDWARE IS INSTALLED, PANIC OR FIRE EXIT HARDWARE SHALL BE THE ONLY LOCKING DEVICE ON THE DOOR.**

## CHAPTER 14

Add new Section 1410.3 as follows:

**1410.3 ADDRESS AND ACCESS ROAD SIGNS. ALL STRUCTURES UNDER CONSTRUCTION SHALL BE CLEARLY IDENTIFIED WITH AN APPROVED ADDRESS AND BUILDING NUMBER. DURING CONSTRUCTION, APPROVED SIGNS SHALL BE LOCATED TO DIRECT EMERGENCY RESPONDERS INTO AND THROUGH THE CONSTRUCTION SITE. TEMPORARY STREET SIGNS SHALL BE INSTALLED AT EACH STREET INTERSECTION WHEN CONSTRUCTION OF NEW ROADWAYS ALLOWS PASSAGE OF VEHICLES. SIGNS SHALL BE OF AN APPROVED SIZE, WEATHER RESISTANT, AND BE MAINTAINED UNTIL REPLACED BY PERMANENT SIGNS.**

## CHAPTER 32

Revise Subsection 3204.3.1.1 as follows:

**3204.3.1.1 Location.** Stationary containers shall be located in accordance with Section 3203.6. Containers of cryogenic fluids shall not be located within diked areas containing other hazardous materials.

Storage of flammable cryogenic fluids in stationary containers outside of buildings is prohibited within the **BOUNDARIES OF THE TOWN OF ORO VALLEY**. ~~limits established by law as the limits of districts in which such storage is prohibited (see Section 3 of the Sample Ordinance for Adoption of the International Fire Code on page v).~~

## CHAPTER 33

Revise Subsection 3301.2.3 as follows:

**3301.2.3 Permit restrictions. THE STORAGE OF EXPLOSIVES, EXPLOSIVE MATERIALS, AND BLASTING AGENTS IS PROHIBITED WITHIN THE BOUNDARIES OF THE TOWN OF ORO VALLEY.** The fire code official is authorized to limit the quantity of explosives, explosive materials, or fireworks permitted **FOR USE** at a given location. No person, possessing a permit for **USE**

storage of explosives at any place, shall keep or store an amount greater than authorized in such permit. Only the kind of explosive specified in such a permit shall be **USED** ~~kept or stored~~.

## CHAPTER 34

Revise Subsection 3404.2.9.5.1 as follows.

**3404.2.9.5.1 Locations where above-ground tanks are prohibited.** Storage of Class I and II liquids in above-ground tanks outside of buildings, **EXCEEDING 2,000 GALLONS OR 4,000 GALLONS IN AGGREGATE VOLUME** is prohibited within the **BOUNDARIES OF THE TOWN OF ORO VALLEY**. ~~limits established by law in the adopting ordinance as the limits of districts in which such storage is prohibited (see Section 3 of the Sample Ordinance for Adoption of the *International Fire Code* on page v).~~

Revise Subsection 3406.2.4.4 as follows:

**3406.2.4.4 Locations where above-ground tanks are prohibited.** The storage of Class I and II liquids in above-ground tanks **EXCEEDING 2,000 GALLONS OR 4,000 GALLONS IN AGGREGATE VOLUME** is prohibited within the **BOUNDARIES OF THE TOWN OF ORO VALLEY**. ~~limits established by law as the limits of districts in which such storage is prohibited (see Section 3 of the Sample Ordinance for Adoption of the *International Fire Code* on page v).~~

## CHAPTER 38

Revise Subsection 3803.2.1.7 as follows:

**3803.2.1.7 Use for food preparation.** ~~Where approved, listed LP-gas commercial food service appliances are allowed to be used for food preparation within restaurants and in attended commercial food catering operations in accordance with the *International Fuel Gas Code*, the *International Mechanical Code* and NFPA 58.~~ **LISTED AND APPROVED LP-GAS COMMERCIAL FOOD SERVICE APPLIANCES SHALL BE PERMITTED TO BE USED INSIDE RESTAURANTS AND IN ATTENDED COMMERCIAL FOOD CATERING OPERATIONS PROVIDED THAT NO COMMERCIAL FOOD SERVICE APPLIANCES SHALL HAVE MORE THAN TWO 10-OZ NON-REFILLABLE BUTANE GAS CONTAINERS HAVING A MAXIMUM WATER CAPACITY 1.08 LB. PER CONTAINER CONNECTED DIRECTLY TO THE APPLIANCE AT ANY TIME AND CONTAINERS SHALL NOT BE MANIFOLDED. THE APPLIANCE FUEL CONTAINER(S) SHALL BE AN INTEGRAL PART OF THE LISTED, APPROVED COMMERCIAL FOOD SERVICE DEVICE AND SHALL BE CONNECTED WITHOUT THE USE OF A RUBBER HOSE. BUTANE CONTAINERS SHALL BE LISTED. STORAGE IN RESTAURANTS AND AT FOOD SERVICE LOCATIONS OF 10-OZ BUTANE NON-REFILLABLE CONTAINERS SHALL BE LIMITED TO NO MORE THAN TWENTY-FOUR CONTAINERS.**

Revise Section 3804.2 as follows:

**3804.2 Maximum capacity within established limits.** Within the ~~limits established by law restricting~~ **BOUNDARIES OF THE TOWN OF ORO VALLEY**, the storage of liquefied petroleum gas ~~for the protection of heavily populated or congested areas,~~ the aggregate capacity of any one installation shall not exceed a water capacity of 2,000 gallons (7570 L) ~~(see Section 3 of the Sample Ordinance for Adoption of the *International Fire Code* on page v).~~

**Exception:** In particular installations, this capacity limit shall be determined by the fire code official, after consideration of special features such as topographical conditions, nature of occupancy, and proximity to buildings, capacity of proposed containers, degree of fire protection to be provided and capabilities of the local fire department.

## APPENDIX B

Revise Section B105.1 as follows:

**B105.1 One- and two-family dwellings.** The minimum fire-flow requirements for one- and two-family dwellings having a fire-flow calculation area which does not exceed 3,600 square feet (344.5 m<sup>2</sup>), **OR THEIR DETACHED ACCESSORY STRUCTURES GREATER THAN 1,000 SQUARE FEET**, shall be 1,000 gallons per minute (3785.4 L/min). Fire-flow and flow duration for dwellings **AND DETACHED ACCESSORY STRUCTURES** having a fire-flow calculation area in excess of 3,600 square feet (344.5 m<sup>2</sup>) shall not be less than that specified in Table B105.1.

Exception: A reduction in required fire flow of 50 percent, as approved, is allowed when the building is provided with an approved automatic sprinkler system.

Revise Table B105.1 footnote a. as follows:

Table B105.1 footnotes

- a. ~~The minimum required fire flow shall be allowed to be reduced by 25% for Group R.~~
- bA. Types of construction are based on the International Building Code.
- eB. Measured at 20 psi.

## APPENDIX D

Revise Section D103.1 as follows:

**D103.1 Fire apparatus Access road width with a hydrant.** Where a fire hydrant is located on a fire apparatus access road, the minimum road width shall be 26 feet (7925 mm).

**EXCEPTION: MINIMUM WIDTH LESS THAN 26 FEET AS APPROVED BY THE CODE OFFICIAL.**



Revise Table D103.4 as follows:

Table D103.4 Requirements for dead-end fire apparatus access roads.

LENGTH (feet)	WIDTH (feet)	TURNAROUNDS REQUIRED
0-150	20	None required
151- 500 <b>600</b>	20	<del>120-foot Hammerhead, 60-foot “Y” or 96-foot diameter cul-de-sac in accordance with Figure D103.1</del> <b>“HAMMERHEAD”, “Y” OR CUL-DE-SAC IN ACCORDANCE WITH FIGURES D103.1, D103.2 AT TERMINAL END</b>
501-750 <b>601-1200</b>	26	<del>120-foot Hammerhead, 60-foot “Y” or 96-foot diameter cul-de-sac in accordance with Figure D103.1</del> <b>“HAMMERHEAD”, “Y” OR CUL-DE-SAC IN ACCORDANCE WITH FIGURES D103.1, D103.2 AT TERMINAL END AND MIDWAY</b>
Over 750 <b>1200</b>	Special approval required	

Revise Section D103.5 as follows:

**D103.5 Fire apparatus access road gates.** Gates securing fire apparatus access roads shall comply with all of the following criteria:

1. The minimum gate width shall be 20 feet (6096 mm).
2. Gates shall be of the swinging or sliding type.
3. Construction of gates shall be of materials that allow manual operation by one person.
4. Gate components shall be maintained in an operative condition at all times and replaced or repaired when defective.
5. Electrically operated gates ~~shall be equipped with a means of opening the gate by fire department personnel for emergency access. Emergency opening devices shall be approved by the code official.~~
  - A. SHALL BE EQUIPPED WITH A MEANS OF OPENING THE GATE BY FIRE DEPARTMENT PERSONNEL FOR EMERGENCY ACCESS. EMERGENCY OPENING DEVICES SHALL BE APPROVED BY THE CODE OFFICIAL.**
  - B. SHALL BE IN THE FULLY OPENED POSITION IN NO MORE THAN 30 SECONDS.**
  - C. SHALL HAVE A MANUAL OVERRIDE SYSTEM. MANUAL OVERRIDE OPERATIONS SHALL BE LOCATED ON THE ENTRANCE SIDE OF GATE, OR WHEN POWER HAS FAILED, THE GATE(S) SHALL OPEN AND STAY OPEN UNTIL POWER IS RESTORED FOR NORMAL OPERATIONS.**
  - D. SHALL HAVE AN APPROVED FIRE DEPARTMENT KEYED OVERRIDE SWITCH.**
  - E. SHALL HAVE INSTALLED APPROVED PREEMPTIVE CONTROL OPENING EQUIPMENT COMPATIBLE WITH THE FIRE DEPARTMENT’S EXISTING SYSTEM.**
6. Manual opening gates ~~shall not be locked with a padlock or chain and padlock unless they are capable of being opened by means of forcible entry tools or when a key box containing the key(s) to the lock is installed at the gate location.~~

- A. SHALL NOT BE LOCKED WITH A PADLOCK OR CHAIN AND PADLOCK UNLESS AN APPROVED FIRE DEPARTMENT KEY BOX OR AN APPROVED FIRE DEPARTMENT PADLOCK IS INSTALLED.
  - B. KEYS SHALL BE PROVIDED FOR INSTALLATION INTO THE APPROVED FIRE DEPARTMENT KEY BOX. KEYS SHALL BE MAINTAINED CURRENT.
7. Locking device specifications shall be submitted for approval by the code official.
8. A CONSTRUCTION PERMIT IN ACCORDANCE WITH SUBSECTION 105.7.14 IS REQUIRED TO INSTALL OR MODIFY GATES ACROSS FIRE APPARATUS ACCESS ROADS.

Add new Subsection D103.5.1 as follows:

**D103.5.1 EXISTING FIRE APPARATUS ACCESS ROAD GATES. EXISTING GATES SECURING FIRE APPARATUS ACCESS ROADS SHALL COMPLY WITH D103.5.**

Revise Section D103.6 as follows:

**D103.6 Signs.** Where required by the fire code official, fire apparatus access roads shall be marked with permanent ~~NO PARKING FIRE LANE~~ signs complying with Figure D103.6. Signs shall have a minimum dimension of 12 inches (305 mm) wide by 18 inches (457 mm) high and have ~~red letters on~~ a white reflective background **AND AN INTERNATIONAL NO PARKING SYMBOL WITH A BLACK P, SIX INCHES HIGH. UNDERNEATH THE NO PARKING SYMBOL, IN ONE-AND-FIVE-EIGHTHS INCH HIGH AND ONE-QUARTER INCH STROKE, IN RED LETTERING IT SHALL READ: FIRE ACCESS TOW-AWAY.** Signs shall be posted on one or both sides of the fire apparatus road as required by Section D103.6.1 or D103.6.2.

**SIGNS SHALL BE INSTALLED AT POINTS NOT MORE THAN 100 FEET APART ALONG THE LENGTH OF THE REQUIRED FIRE APPARATUS ACCESS ROAD. SIGNS SHALL BE VISIBLE FROM THE DIRECTION OF TRAFFIC. THE BOTTOM OF EVERY SUCH SIGN SHALL BE LOCATED NOT LESS THAN 7 FEET NOR MORE THAN 10 FEET ABOVE THE GROUND SURFACE LEVEL AND THE LEADING EDGE SHALL BE A MINIMUM OF 2 FEET FROM THE DRIVE LANE OR EDGE OF CURB. CONSTRUCTION, INSTALLATION, AND MAINTENANCE OF THE SIGNS SHALL BE DONE AT NO EXPENSE TO THE TOWN. MATERIALS AND LOCATIONS OF EACH SIGN SHALL BE INDICATED IN THE DEVELOPMENT PLANS OR CONSTRUCTION DOCUMENTS SUBMITTED TO THE CODE OFFICIAL. SIGNS SHALL BE POSTED ON ONE OR BOTH SIDES OF THE FIRE APPARATUS ROAD, AS REQUIRED BY SECTION D103.6.1 OR D103.6.2.**

**ALTERNATIVE SIGNS MAY BE ALLOWED WITH SUFFICIENT DOCUMENTATION AND PRIOR APPROVAL. ONLY FIRE APPARATUS ACCESS ROADWAYS REQUIRED UNDER THE AUTHORITY OF THIS SECTION OR AS APPROVED BY THE FIRE CODE OFFICIAL MAY BE POSTED OR IDENTIFIED WITH THE APPROVED SIGN. UNAUTHORIZED SIGNS SHALL BE REMOVED.**

Revise Figure D103.6 by deleting and replacing as follows:

**FIGURE D103.6**



Add new Section D103.7 as follows:

**D103.7 DRIVEWAYS. DRIVEWAYS EXCEEDING 150 FEET IN LENGTH PROVIDING ACCESS TO DWELLING UNITS SHALL PROVIDE A MINIMUM UNOBSTRUCTED WIDTH OF 14 FEET (3658 MM) AND A MINIMUM UNOBSTRUCTED HEIGHT OF 13 FEET 6 INCHES (4115 MM). DRIVEWAYS IN EXCESS OF 150 FEET (45 720 MM) IN LENGTH SHALL BE PROVIDED WITH TURNAROUNDS. DRIVEWAYS IN EXCESS OF 200 FEET (60 960 MM) IN LENGTH AND LESS THAN 20 FEET (6096 MM) IN WIDTH SHALL BE PROVIDED WITH TURNOUTS IN ADDITION TO TURNAROUNDS. A DRIVEWAY SHALL NOT SERVE IN EXCESS OF FIVE DWELLING UNITS. DRIVEWAYS THAT CONNECT WITH A ROAD OR ROADS AT MORE THAN ONE POINT MAY BE CONSIDERED AS HAVING A TURNAROUND. DRIVEWAY TURNOUTS SHALL BE AN ALL-WEATHER ROAD SURFACE AT LEAST 10 FEET (3048 MM) WIDE AND 30 FEET (9144 MM) LONG. DRIVEWAY TURNOUTS SHALL BE LOCATED AS REQUIRED BY THE FIRE CODE OFFICIAL.**

Add new Section D103.8 as follows:

**D103.8 DIVIDED FIRE APPARATUS ACCESS ROAD TURNAROUNDS. FIRE APPARATUS ACCESS ROADS THAT ARE DIVIDED WITH MEDIANS SHALL BE PROVIDED WITH MEDIAN BREAKS FOR EMERGENCY VEHICLE TURNAROUND. THE MAXIMUM DISTANCE BETWEEN MEDIAN BREAKS SHALL BE 2,640 FEET.**

Revise Section D104.2 as follows:

**D104.2 Buildings, FACILITIES, AND SHOPPING CENTERS exceeding 62,000 square feet in GROSS BUILDING FIRE area.** Buildings, ~~or~~ facilities, AND SHOPPING CENTERS having a gross building FIRE area of more than 62,000 square feet (5760 m<sup>2</sup>) shall be provided with two separate and approved fire apparatus access roads.

~~Exception: Projects having a gross building area of up to 124,000 square feet (11 520 m<sup>2</sup>) that have a single approved fire apparatus access road when all buildings are equipped throughout with approved automatic sprinkler systems.~~

Add new Section D104.4 as follows:

**D104.4 WIDTH. FIRE APPARATUS ACCESS ROADS SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF 28 FEET (8535 MM) IN THE IMMEDIATE VICINITY OF ANY BUILDING OR PORTION OF BUILDING. FIRE APPARATUS ACCESS ROADS NOT EXCEEDING 32 FEET WIDE (9754 MM) SHALL BE POSTED ON BOTH SIDES OF THE ROAD AS A FIRE LANE. FIRE APPARATUS ACCESS ROADS EXCEEDING 32 FEET WIDE (9754 MM) SHALL BE POSTED ON ONE SIDE OF THE ROAD AS A FIRE LANE. POSTING SHALL INCLUDE SIGNAGE AS INDICATED IN SECTION D103.6 AND CURBS OR PAVEMENT PAINTED RED WITH THE WORDS “NO PARKING – FIRE LANE” STENCILED EVERY 50 FEET.**

Revise Section D105.2 as follows:

**D105.2 Width.** Fire apparatus access roads shall have a minimum unobstructed width of ~~26 feet (7925 mm)~~ **28 FEET (8535 MM)** in the immediate vicinity of any building or portion of building more than 30 feet (9144 mm) in height.

Revise Section D106.1 as follows:

**D106.1 Projects having more than 100 dwelling units.** Multiple-family residential projects having more than 100 dwelling units shall be equipped throughout with two separate and approved fire apparatus access roads.

~~Exception: Projects having up to 200 dwelling units may have a single approved fire apparatus access road when all buildings, including nonresidential occupancies, are equipped throughout with approved automatic sprinkler systems installed in accordance with Section 903.3.1.1 or 903.3.1.2.~~

Revise Section D106.2 as follows:

~~D106.2 Projects having more than 200 dwelling units. Multiple family residential projects having more than 200 dwelling units shall be provided with two separate and approved fire apparatus access roads regardless of whether they are equipped with an approved automatic sprinkler system.~~