

Chapter 1 Administration

Section 101.1 Title is amended as follows:

These regulations shall be known as the *Fire Code* of Central Yavapai Fire District, hereinafter referred to as “this code”.

Section 102.3.1 Change of use or occupancy. is amended by adding the following:

Any building or structure remaining vacant for a period longer than 18 months shall be made to comply with the requirements of this code prior to any occupancy, regardless of the previous occupancy group or division.

Section 102.5 Historic buildings is amended as follows:

The provisions of this Code relating to the construction, alteration, repair, enlargement, restoration, relocation or moving of buildings or structures shall not be mandatory for existing buildings or structures identified and classified by the state or local jurisdiction as historic buildings when such buildings or structures do not constitute a distinct hazard to life or property. Fire protection in designated historic buildings and structures shall be provided in accordance with an approved fire protection plan or as required by the fire code official.

Section 102.9 Conflicting provisions is hereby amended as follows:

Where there is a conflict between a general requirement and a specific requirement, the specific requirement shall be applicable. Where this Code conflicts with any Central Yavapai Fire District Code provision or other provisions of local law, the more restrictive shall apply.

Section 103.1 General is revised as follows:

The department of fire prevention also known as the Community Risk Management Division is established within the jurisdiction under the direction of the fire code official also known as the Assistant Chief/Fire Marshal. The function of the department shall be the implementation, administration and enforcement of the provisions of this code.

Section 103.2 Appointment is revised as follows:

The fire code official, also known as the Assistant Chief/Fire Marshal shall be appointed by the chief appointing authority of the jurisdiction, following examination to determine his/her qualifications; and the fire code official shall not be removed from office except for cause and after full opportunity to be heard on specific and relevant charges by and before the appointing authority.

Section 103.3 Deputies is revised as follows:

In accordance with the prescribed procedures of this jurisdiction and with the concurrence of the appointing authority, the fire code official shall have the authority to appoint deputy fire code officials, known as Fire Safety Specialists, and other related technical officers and inspectors and following examination to determine qualifications.

Section 104.2 Applications and Permits is amended as follows:

The fire code official is authorized to receive applications, review construction documents and issue permits for construction regulated by this code, issue permits for operations regulated by this code, collect applicable fees, inspect the premises for which such permits have been issued and enforce compliance with the provisions of this code.

Section 104.10 Investigations is amended as follows:

The fire department shall have the authority to investigate or cause to be investigated the cause, origin and circumstances of any fire, explosion or other hazardous condition occurring in the jurisdiction involving loss of life or injury to persons or destruction or damage to property. If it appears that such incident is of suspicious origin, they are authorized to take charge of all physical evidence relating to the cause of the incident and are authorized to pursue the investigation to its conclusion. Information that could be related to trade secrets or processes shall not be made part of the public record unless directed by a court of law.

Section 104.12 Fees is amending by adding:

The Fire Chief is authorized to establish and collect, with the approval of the Fire Board, fees for any or all inspections or operational services authorized by the Code and the Central Yavapai Fire District.

Permit and inspection fees and other operational fees of the fire marshals office may be determined by the Fire Chief or his or her designee and established by Central Yavapai Fire Code Amendments.

Section 105.1.1 Permits Required is amended by adding:

It shall be unlawful for any person, firm or corporation to use a building or premises or engage in any activities for which a permit is determined to be required by the fire code official under this code without first having obtained such permit.

Section 105.1.2 Types of Permits item number 2 is amended as follows:

2. Construction permits. A construction permit allows the applicant to install or modify systems and equipment for which a permit is required by Section 105.7. Approved plans shall be considered a permit to proceed with work.

Section 105.1.4 Operating without a permit is amended by adding:

Any person, company, firm, corporation or entity operating in violation of section 105.6 or 105.7 shall be subject to double permit fees. All operations and/or work shall cease until the required permits are obtained.

Section 105.2.2 Inspection Required is amended as follows:

Before a new operational permit is approved, the fire code official shall inspect the vehicles, buildings, devices, premises, storage space or area to be used to determine compliance with this code or any operational constraints required. Before a construction permit is signed off the fire code official shall inspect or cause to be inspected, the permitted work to determine compliance with this code and the conditions of the permit. See section 106.

Section 105.2.2.1 Inspection Requests is amended by adding:

It shall be the duty of the person doing the work authorized by a permit to notify the fire code official that such work is ready for inspection. The fire code official is authorized to require that every request for inspection be made not less than one working day before such inspection is desired.

Section 105.2.2.2 After hours Inspection Request is amended by adding:

If, outside the normal business hours of the Community Risk Management of the Central Yavapai Fire District, an inspection is requested, then an after hours inspection charge of \$75.00 per hour shall be charged with a two hour minimum charge.

Section 105.6 Required Operational Permits is revised as follows:

The fire code official is authorized to issue operational permits prior to engaging in the following activities, operations, practices or functions:

105.6.2 Amusement buildings or events - any event that may exceed an occupant load of 999 or as required by the Fire Code Official.

105.6.4 Carnivals and fairs.

105.6.9 Covered mall buildings.

105.6.11 Cutting and welding – Dry hotwork and/or welding conducted outside during fire burn or open flame restrictions requires a permit and will be evaluated on a case by case basis by the Fire Code Official.

105.6.13 Exhibits and trade shows.

105.6.14 Explosives.

105.6.23 Welding & Hot Work – Dry hotwork and/or welding conducted outside during fire burn or open flame restrictions requires a permit and will be evaluated on a case by case basis by the Fire Code Authority.

105.6.26 Liquid or gas fueled vehicles or equipment in assembly buildings.

105.6.30 Open burning.

105.6.31 Open Flames and Torches – Open flames and torches used outside during fire burn or open flame restrictions requires a permit and will be evaluated on a case by case basis by the Fire Code Authority.

105.6.32 Open flames and candles.

105.6.36 Pyrotechnic special effect material.

105.6.43 Temporary membrane structures, tents and canopies. An operational permit is required to operate an air-supported temporary membrane structure or a tent having an area in excess of 600 square feet, or a canopy used for an A occupancy in excess of 1,200 square feet.

Exception: Tents used exclusively for recreational camping purposes.

Section 105.7 Required Construction Permits is amended as follows:

The fire code official is authorized to issue construction approvals for work as set forth in Sections 105.7.1 through 105.7.12.

105.7.1 Automatic fire-extinguishing systems.

105.7.4 Fire alarm and detection systems and related equipment.

105.7.5 Fire pumps and related equipment.

105.7.6 Flammable and combustible liquids.

105.7.12 Standpipe systems.

105.7.13 Temporary membrane structures, tents and canopies. An operational permit is required to operate an air-supported temporary membrane structure or a tent having an area in excess of 600 square feet, or a canopy used for an A occupancy in excess of 1,200 square feet. Exception: Tents used exclusively for recreational camping purposes.

Section 105.7.14 Fire apparatus and personnel access is amended by adding:

A construction permit is required:

1. To install or modify any access gate across a fire apparatus access road.
2. To modify or encroach on any fire apparatus access road.
3. To modify any personnel access points into buildings or facilities.

Section 105.8 Fee Schedule is amended by adding the following:

Plan Review Fees-

Alarm system plans- **\$.02 per square foot. Minimum fee of \$150.00.**

Sprinkler system plans- **\$.02 per square foot. Minimum fee of \$150.00.**

Underground fire mains and remote fire department connections- **\$120.00 each.**

Fire Protection Equipment-Commercial Type Cooking Equipment and Spray Booths and Spray Rooms- **\$100.00 each.**

Fire Protection Equipment-Fire Pumps- **\$150.00 each.**

Standby Fees for Fire District Personnel- \$50 per hour, per person standing by, 3 hour minimum.

Permits Required, With Fees

Amusement Buildings and Events

Single Event	\$150.00
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Blasting (\$1,000,000.00 Bond required per incident)

Single Project Site- 3 day	\$25.00
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Single Project Site- 30 day	\$50.00
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Major Project Site- 90 day	\$100.00
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Major Project Site- 180 day	\$150.00
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Fireworks (\$1,000,000.00 Bond required per incident)

Firework & Pyrotechnic displays	\$150.00
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Aboveground Fuel Storage (flammable or combustible)

Up to and including an aggregate amount of 5,000 gallons	\$ 50.00
Above the aggregate amount of 5,000 gallons	\$250.00

Section 106.2 Inspections is amended as follows:

The fire code official is authorized to conduct such inspections as are deemed necessary to determine the extent of compliance with the provisions of this Code and to approve reports of inspection by approved agencies or individuals. All reports of such inspections shall be prepared and submitted in writing for review and approval. Inspection reports shall be certified by a responsible officer of such approved agency or by the responsible individual. The fire code official is authorized to engage such expert opinion as deemed necessary to report upon unusual, detailed or complex technical issues subject to the approval of the governing body. A completed inspection shall not be construed to be an approval of a violation or to cancel the provisions of this Code or of any other codes or ordinances of the Central Yavapai Fire District. Inspections presuming to give authority to violate or cancel the provisions of this Code or of other ordinances of the jurisdiction shall not be valid.

Section 106.3 Concealed Work is amended as follows:

All work or operations requiring a permit by this Code shall be subject to inspection by the fire code official and such work shall remain accessible and exposed for inspection purposes until approved. It shall be the duty of the permit applicant to cause the work to remain accessible and exposed for inspection purposes. Whenever any such work is covered or concealed without first being 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 any expense entailed in the removal or replacement of any material to allow for inspection.

Section 108.2 Limitations on Authority is amended as follows:

An application for appeal shall be based on a claim that the intent of this code or the rules legally adopted hereunder have been incorrectly interpreted, the provisions of this code do not fully apply, or an equivalent method of protection or safety is proposed. The board shall have no authority to waive requirements of this code. Rulings and interpretations by the Board of Appeals shall be binding upon the Fire District and the appealing party. All rulings made by the Board of Appeals shall be only for the appellant and shall not be intended as a general change in this Code.

Section 109.3 Violation Penalties is amended as follows:

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 misdemeanor, punishable by a fine of not more than five hundred dollars (\$500). Each day that a violation continues after due notice has been served shall be deemed a separate offense.

Section 111.4 Failure to Comply is amended as follows:

Any person who shall continue any work after 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 five hundred dollars (\$500) per day per violation.

Section 112 Liability Insurance is amended by adding the following:

Proof of liability insurance shall be provided for any permit applied for as requested by the fire code authority.

Chapter 2 **Definitions**

Section 202 General Definitions add the following definitions:

“Addition” is defined as: An extension or increase in floor area or height of a building or structure.

“Self service storage facility” is defined as: Any real property used for renting or leasing individual storage spaces in which the renters themselves customarily store and remove their own personal property on a self service basis. The use of any portion of this facility to conduct any business, including but not limited to, selling, fabricating, manufacturing, processing, dispensing, or mixing of any material is prohibited. Any violation will require the entire facility to be retrofitted to meet the current fire code standard.

Chapter 3 **General Precautions Against Fire**

Section 307.2 Permit Required is amended as follows:

A permit shall be obtained from the fire code official in accordance with Section 105.6 prior to conducting open burning, kindling for a fire for recognized silviculture or range or wildlife management practices, prevention or control of disease or pests, 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.

Section 307.2.1 Authorization is amended by adding the following:

The fire department shall be notified prior to commencement of open burning.

Section 308.3.6.1 Permit is amended by adding the following:

A permit shall be obtained from the fire code official for use of open flame devices before a proximate audience. See Section 105.

Section 308.3.6.2 Plans is amended by adding the following:

A plan shall be submitted to the fire code official at the time of the permit application. The plans shall identify the following:

1. Name and address of occupancy
2. Dates & times of the open flame device use
3. Floor plans with placement of open flame device
4. Distances to proximate audience & combustibles
5. Means employed to keep audience away from open flame
6. Height of ceiling and/or structure members if applicable
7. Maximum vertical and horizontal distances flames and/or devices will be thrown, if applicable.
8. Manufacturer's specifications for any devices used for the open flame.

Section 308.3.6.3 Fees is amended by adding the following:

The fees shall be in accordance with Section 105

Section 308.3.6.4 Liability insurance is amended by adding the following:

Insurance shall be provided in accordance with Section 112

Section 308.3.6.5 Demonstration is amended by adding the following:

Prior to the permit being issued the fire code official may require a demonstration of the use of the open flame devices. When approved the fire code official shall issue the permit.

Section 308.3.6.6 Fire Extinguisher is amended by adding the following:

A minimum of 2, 2 ½ gallon approved pressurized water and one 2A:10BC fire extinguishers shall be provided within a 30 foot travel distance. The fire extinguishers shall be visible and accessible.

Section 308.3.6.7 Distance is amended by adding the following:

A minimum distance of 10 feet shall be maintained between the flame and the audience unless a greater distance is specified by the manufacturer.

Section 308.3.6.8 Combustible materials is amended by adding the following:

A minimum distance of 10 feet shall be maintained between the flame and any combustible materials, including ceilings and structural members, unless a greater distance is specified by the manufacturer.

Section 315.2.3 Equipment rooms is amended by adding the following:

Elevator machine rooms

Section 315.3.3 Fire apparatus access gate is amended by adding the following:

Any fenced outside combustible storage shall be provided with gates for fire apparatus access as required by the fire code official. If the gates are locked, an approved padlock shall be provided.

Section 315.3.4 Fire apparatus access road is amended by adding the following:

An all weather access road shall be provided to within 150 feet of all combustible piles for fire apparatus.

Section 315.3.5 Fire hydrants is amended by adding the following:

Approved fire hydrants shall be supplied as required by the fire code authority.

Section 315.3.6 Vegetation is amended by adding the following:

Weeds, grass and similar vegetation shall be eliminated throughout the storage area and within 20 feet of the combustible material piles.

Section 315.3.7 Sources of ignition is amended by adding the following:

Smoking shall be prohibited within the storage area. Potential sources of ignition such as hotwork, warming or open fires and heating devices shall not be allowed within 60 feet of the combustible material piles.

Chapter 4 **Emergency Planning and Preparedness**

Section 403.1 Fire watch personnel is hereby amended by adding the following:

There shall be trained crowd managers or crowd manager supervisors at a ratio of one crowd manager/supervisor for every 250 occupants, as approved by the fire code official. The Fire Code Official may require fire department stand-by personnel due to the type or size of the event. The cost of these personnel shall be the responsibility of the property owner.

Chapter 5 **Fire Service Features**

Section 503.2.3 Surface is revised as follows:

Fire apparatus access roads shall be designed and maintained to support the imposed loads of a 75,000 pound fire apparatus and shall be surfaced so as to provide all-weather driving capabilities

Section 503.2.4 Turning radius is amended as follows:

The required turning radius of a fire apparatus access road shall be 28 feet inside and 50 foot outside.

Section 503.2.7 Grade is amended as follows:

The maximum grade of a fire apparatus access road shall not exceed 12%.

Section 503.4 Obstruction of fire apparatus access roads is amended to read as follows:

Fire apparatus access roads shall not be obstructed in any manner, including the parking of vehicles. For the purposes of this section parking is defined as stopped vehicles with no driver occupying the driver's position. Other occupants of the vehicle do not count as the driver. The minimum widths and clearances established in section 503.2.1 shall be maintained at all times. For required access roads on private property the person in possession of the premises shall be responsible to ensure that fire apparatus access roadways are unobstructed at all times.

Section 503.6 Security gates is amended to read as follows:

The installation of security gates across a fire apparatus access road shall be approved by the fire code official. Where security gates are installed they shall be maintained and an approved means of emergency operation shall be provided. Gates across fire apparatus access roads at gated communities and where required by the fire code official shall be electric and shall be provided with approved preemption controls, a Knox key switch and a manual release. The emergency key switch shall be mounted 5 ½ feet above grade level or on the keypad pedestal. Contact the Fire Marshal's office for specifications.

Section 505.1 Address numbers is amended as follows:

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 6 inches high with a minimum stroke width of 0.5 inch. Larger numbers may be required by the fire code official due to the size of the building and visibility.

Section 505.2.1 Conflicting Road Names is amended by adding the following:

Newly assigned street or road names shall not conflict with existing names and shall be approved by the Fire Marshal.

Section 506.1 Where required is amended by adding the following:

Where access to or within a structure or area is restricted because of secured openings or where immediate access is necessary for life-saving or fire-fighting purposes, or where there is an automatic fire sprinkler or fire alarm system, the fire code official is authorized to require a key box to be installed in an accessible location. The key box shall be of an approved type and shall contain keys to gain access as required by the fire code official. The fire code official shall be immediately notified when locks are changed and new keys shall be provided.

Section 508.5.4 Obstruction is amended by adding the following:

Parking shall not be permitted within 15 feet of a fire hydrant, fire department connection or fire protection system control valve, except as otherwise approved by the fire code official.

Section 510.2 Access to fire sprinkler riser room is amended by adding the following:

An exterior door leading directly into the room containing the fire sprinkler riser and shut off controls shall be provided. The door shall be identified with a sign stating "FIRE RISER ROOM" with letters minimum 4 inches high with a minimum 1 inch stroke.

Exceptions:

1. When an approved method of controlling the fire sprinkler water supply from outside the structure is provided and accessible to firefighters.
2. When other access is approved by the fire code official.

CHAPTER 9 **FIRE PROTECTION SYSTEMS**

Section 901.2.2 Design Certification is amended by adding the following:

Construction documents for fire sprinkler and fire alarm systems shall be stamped as required by NFPA and the Arizona Revised Statutes.

Section 901.2.3 Fire Sprinkler Construction Documents

Fire sprinkler plans and hydraulic calculations shall require an engineer's stamp of approval or a minimum NICET Level III stamp of approval prior to being submitted for review.

Exceptions: 1. Fire Sprinkler Plans for high-piled combustible storage occupancies shall require a registered fire protection engineer stamp
2. High-piled storage occupancies shall submit a plan showing the location of the different classifications of commodities.

Section 901.2.4 Fire Alarm Construction Documents

Fire alarm plans and calculations shall require a minimum NICET Level III approval stamp as stated in NFPA 72.

Section 901.3 Permits amended by adding the following sub-sections:

Section 901.3.1 Plan Review Fees – Fire Sprinkler and Alarm Systems

When plans and specifications are required to be submitted for review of fire alarm and fire sprinkler systems, a plan review fee shall be paid at the time of submitting the plans and specifications for review. Said fee shall be calculated at the rate of **\$.02** per square foot. A minimum fee of **\$150** will be assessed.

Section 901.3.2 Plan Review Fees – Fire Protection Equipment – Commercial-Type Cooking Equipment & Spray Booths & Spray Rooms

When plans and specifications are required to be submitted for review of fire protection equipment for commercial-type cooking equipment, spray booths, or spray rooms, a plan review fee of **\$100** per unit shall be paid at the time of submitting the plans and specifications for review.

Section 901.3.3 Plan Review Fees – Underground Fire Mains – Remote Fire Department Connection (FDC)

When plans, specifications, acceptance tests and/or initial inspections are required for the installation of an underground fire main and/or a remote fire department connection, a plan review and inspection fee in the amount of **\$120.00** shall be paid at the time of submittal of the plans and specifications or prior to a request for an acceptance test.

Section 901.3.4 Plan Review Fees – Fire Protection Equipment – Fire Pumps

When plans, specifications, acceptance tests and/or initial inspections are required for the installation of a fire pump, a plan review and inspection fee in the amount of **\$150.00** shall be paid at the time of the submittal of the plans and specifications or prior to a request for an acceptance test.

Section 901.4.2 Non-required fire protection systems is amended as follows:

Any fire protection system or portion thereof not required by this Code, the International Building Code or the Central Yavapai Fire District shall be permitted to be furnished for partial or complete protection provided such installed system meets the requirements of this Code and the International Building Code.

Non-required systems providing partial protection shall not be recognized for exceptions or reductions permitted by other requirements of this Code or the International Building Code.

Non-required systems providing complete protection that take advantage of any exception or reduction permitted by other requirements of this Code or the International Building Code shall become required systems

Section 902 Definitions is revised as follows:

FIRE AREA. The aggregate floor area enclosed and bounded by exterior walls, regardless of any area separation walls plus any mezzanines, canopies, overhangs or horizontal projections over 4 feet in width, regardless of any area separation walls.

Section 903.2.1.1 Group A-1 is amended as follows:

1. The fire area is 5000 square feet or greater.

Section 903.2.1.3 Group A-3 is amended as follows:

1. The fire area is 5000 square feet or greater.

The exception is deleted.

Section 903.2.1.4 Group A-4 is amended as follows:

1. The fire area is 5000 square feet or greater.

The exception is deleted.

Section 903.2.2 Group E is amended as follows:

An automatic sprinkler system shall be provided for all Group E occupancies.

Section 903.2.2 Group E is amended by deleting the following:

Section 1, section 2 and the exception are deleted.

Exception added: A daycare with less than 11 children in a private residence.

Section 903.2.3 Group F is amended as follows:

An automatic sprinkler system shall be provided throughout all buildings containing Group F occupancies where one of the following conditions exists:

1. Where a Group F fire area is 5000 square feet or greater;
2. Where a Group F fire area is located more than two stories above grade; or
3. Deleted.

Section 903.2.6 Group M is amended as follows:

1. Where a Group M fire area is 5000 square feet or greater;
2. Where a Group M fire area is located more than two stories above grade; or
3. Deleted.

Section 903.2.7 Group R is amended by adding the following:

Exception 1: Group R-3 less than 5000 square feet unless more than two stories above grade.

Section 903.2.8 Group S-1 is amended as follows:

1. Where a Group S-1 fire area is 5000 square feet or greater;
2. Where a Group S-1 fire area is located more than two stories above grade; or
3. Deleted

Exception: A self storage building with an approved fire wall reducing the floor area to less than 5,000 square feet.

Section 903.2.8.1 Repair Garages is amended as follows:

1. Buildings two or more stories in height, including basements, with a fire area containing a repair garage 5000 square feet or greater, or exceeding 3000 square feet with any open flame or welding.
2. One-story buildings with a fire area containing a repair garage 5000 square feet or greater or exceeding 3000 square feet with any open flame or welding.

Section 903.2.10 Windowless stories in all occupancies is amended as follows:

Exception: Group U under 5,000 square feet unless more than two stories above grade.

Section 903.2.14 Group B is amended by adding the following:

An automatic sprinkler system shall be provided throughout all buildings containing a Group B occupancy where one of the following conditions exist:

1. Where a Group B fire area is 5,000 square feet or greater;
2. Where a Group B fire area is located more than two stories above grade.

Section 903.3.1.1.1 Exempt Locations is amended as follows:

1. Any room where the application of water, or flame and water constitutes a serious life or fire hazard, provided such room is equipped with an automatic fire alarm system and is separated from the remainder of the building by a wall with not less than a one-hour fire-resistance rating and a floor/ceiling assembly with not less than a two-hour fire-resistance rating, if there is useable space above.

2. Any room where sprinklers are considered undesirable because of the nature of the contents, provided such room is equipped with an automatic fire alarm system and is separated from the remainder of the building by a wall with not less than a one-hour fire-resistance rating and a floor/ceiling assembly with not less than a two-hour fire-resistance rating, if there is useable space above.

3. Generator or transformer rooms equipped with an automatic fire alarm system and separated from the remainder of the building by a wall with not less than a one-hour fire-resistance rating and a floor/ceiling assembly with not less than a two-hour fire-resistance rating, if there is useable space above.

4. Deleted

Section 903.3.1.2.1 Balconies is deleted.

Section 903.3.1.2.2 Garages is amended by adding the following:

Sprinklers are required in all attached garages and workshops.

Section 903.3.1.2.3 Closets is amended by adding the following:

Sprinklers shall not be required in closets provided they meet all of the following requirements, the area does not exceed 24 square feet, the least dimension does not exceed three feet, and the walls and ceilings are surfaced with noncombustible or limited-combustible materials.

Exception: Closets that contain equipment such as washers, dryers, furnaces, or water heaters shall be sprinklered regardless of size.

Section 903.3.1.2.4 Bathrooms is amended by adding the following:

Sprinklers are not required in bathrooms fifty-five (55) square feet or less that **do not** have an electrical receptacle or heating equipment.

Section 903.3.1.3.1 Garages is amended by adding the following:

Sprinklers are required in all attached garages and workshops.

Section 903.3.1.3.2 Closets is amended by adding the following:

Sprinklers shall not be required in closets provided they meet all of the following requirements, the area does not exceed 24 square feet, the least dimension does not exceed three feet, and the walls and ceilings are surfaced with noncombustible or limited-combustible materials.

Exception: Closets that contain equipment such as washers, dryers, furnaces, or water heaters shall be sprinklered regardless of size.

Section 903.3.1.3.3 Bathrooms is amended by adding the following:

Sprinklers are not required in bathrooms fifty-five (55) square feet or less that **do not** have an electrical receptacle or heating equipment.

Section 903.3.5 Water supplies is hereby amended by adding:

The water data for hydraulic calculations shall be based upon 85 percent of the available water supply as determined by flow test information.

Section 903.3.5.1 Domestic Water Source is added as follows:

Furthermore, when the domestic water service is used to supply the automatic fire sprinkler system its use shall be limited to one and two family residences and care homes serving 5 or fewer persons of any age.

Section 903.3.7.1 Locking Fire Department Connection (FDC) caps is amended by adding the following:

An approved locking FDC cap shall be required for all fire department connections within the Central Yavapai Fire District.

Section 903.4.2.1 Occupant Notification is amended by adding the following:

An approved audible sprinkler flow alarm to alert the occupants shall be provided in the interior of the building in a normally occupied location when the sprinkler system is not tied to a monitored fire alarm system. Actuation of the alarm shall be as set forth in the NFPA.

Section 903.6 Existing Buildings is amended by adding the following:

Buildings that are legally in existence on the effective date of this Code and not in strict compliance with this section shall be permitted to continue until such time as it is affected by an alteration or addition that causes the building to exceed the square foot requirements for fire flows, fire alarms and/or fire sprinklers. An approved, automatic, monitored, fire extinguishing system shall be provided throughout all existing buildings when any of the following occur:

1. Any addition that increases the total floor area to 5,000 square feet or greater or,
2. Any change of use or occupancy to a portion of the building to a more hazardous occupancy or as determined by the Fire Code Official or,
3. Any addition to an existing assembly occupancy that increases the occupant load of the building, or
4. Any A, E, or I occupancy that has been vacant for a 18 month period and request to resume as the same occupancy classification, or
5. Any modification or alterations to an existing building, with a total floor area of 5,000 square feet or greater, that breeches or removes a required fire rated wall assembly.

The floor area of the mezzanines, canopies, overhangs or horizontal projections over 4 feet in width shall be included in determining the area where fire flows, fire sprinklers and/or fire alarms are required. For provisions on special hazards and hazardous materials, see Section 903.2.12 and 903.2.13 and chapters 23, 27 and 34.

Section 906.3 Size and distribution is amended by adding the following:

The minimum size portable fire extinguisher required for light/low hazard occupancy shall be 2A-10BC.

Section 907.1.1 Construction Documents is amended by adding the following:

#12. Contact Central Yavapai Fire District for additional plans submittal requirements.

Section 907.2 Where required-New building and structures is amended to add the following:

Exception: For the purposes of section 907, self service storage facilities used solely for storage purposes and containing no living facilities and /or electrical service in the individual units may be divided into separate areas by the use of a continuous eight (8) inch or six (6) inch solid grouted masonry fire wall with a thirty (30) inch parapet to be constructed according to the International Building Code.

Section 907.2.1 Group A is revised as follows:

An automatic and manual fire alarm system shall be installed in accordance with NFPA 72 in Group A occupancies 5,000 square feet or greater or having an

occupant load of 300 or more. Portions of Group E occupancies for assembly purposes shall be provided with a fire alarm as required for the Group E occupancy.

Section 907.2.1.3 System Class is amended by adding the following:

Required fire alarm systems in Group A occupancies shall be a Class A system.

Section 907.2.2 Group B is revised as follows:

An approved manual and automatic fire alarm system shall be installed in **ALL Group B** Occupancies with a total floor area of 5,000 square feet or greater

Section 907.2.3 Group E is amended as follows:

Delete Exception #1

Section 907.2.3.1 System Class is amended by adding the following:

Required fire alarm systems in Group E occupancies shall be a Class A system.

Section 907.2.4 Group F is revised as follows:

An approved manual and automatic fire alarm system shall be installed in **ALL Group F** Occupancies with a total floor area of 5,000 square feet or greater

Section 907.2.5.1 Group H is amended by adding the following:

An approved manual and automatic fire alarm system is required in all Group H occupancies above 5,000 square feet.

Section 907.2.6.4 System Class is amended by adding the following:

Required fire alarm systems in Group I occupancies shall be a Class A system.

Section 907.2.7 Group M is revised as follows:

An approved manual and automatic fire alarm system shall be installed in **ALL Group M** Occupancies with a total floor area of 5,000 square feet or greater.

Section 907.2.7.1 Occupant Notification is deleted.

Section 907.2.8.1 Manual Fire Alarm System is amended as follows:

A manual and automatic fire alarm system shall be installed in Group R-1 occupancies.

Exceptions:

1. Deleted.

Section 907.2.8.2 Automatic Fire Alarm System is amended as follows:

The Exception is deleted.

Section 907.2.9 Group R-2 is amended as follows:

Exception #1 is deleted.

.Section 907.2.12 High-Rise Buildings is amended as follows:

Exceptions 3 and 5 are deleted.

Section 907.2.24 Group S is amended by adding the following:

An approved manual and automatic fire alarm system shall be installed in **ALL Group S** Occupancies with a total floor area of 5,000 square feet or greater

Exception:

1. Self service storage facilities when a four (4) hour rated fire wall is installed to compartmentalize areas to less than 5000 square feet. The use of any portion of this facility to conduct any business, including but not limited to, selling, fabricating, manufacturing, processing, dispensing, or mixing of any material is prohibited. Any violation will require the entire facility to be retrofitted to meet the current fire code standards.

Section 907.3 Where Required – retroactive in existing buildings and structures is amended as follows:

Buildings that are legally in existence on the effective date of this Code and not in strict compliance with this section shall be permitted to continue until such time as it is affected by an alteration or addition that causes the building to exceed the square foot requirements for fire flows, fire alarms and/or fire sprinklers. An approved automatic and/or manual fire alarm system shall be provided throughout all existing buildings when any of the following occur:

1. Any addition that increases the total floor area to 5,000 square feet or greater or,
2. Any change of use or occupancy to a portion of the building to a more hazardous occupancy or as determined by the Fire Code Official or,
3. Any addition to an existing assembly occupancy that increases the occupant load of the building, or
4. Any A, E, or I occupancy that has been vacant for a 18 month period and request to resume as the same occupancy classification, or
5. Any modification or alterations to an existing building, with a total floor area of 5,000 square feet or greater, that breeches or removes a required fire rated wall assembly.

The floor area of the mezzanines, canopies, overhangs or horizontal projections over 4 feet in width shall be included in determining the area where fire flows, fire sprinklers and/or fire alarms are required.

The method of monitoring the fire alarm system shall be as required by the National Fire Protection Association (NFPA) and as approved by the Fire Marshal.

Section 907.3.1 Occupancy requirements: deleted.

Section 907.3.1.1 Group E: deleted.

Section 907.3.1.2 Group I-1: deleted.

Section 907.3.1.3 Group I-2: deleted.

Section 907.3.1.4 Group I-3: deleted.

Section 907.3.1.5 Group R-1 hotels and motels: deleted.

Section 907.3.1.6 Group R-1 boarding and rooming houses: deleted.

Section 907.3.1.7 Group R-2: deleted.

Section 907.3.1.8 Group R-4: deleted.

Section 907.3.2 Single- and multiple-station smoke alarms: deleted

Section 907.3.2.1 General: deleted.

Section 907.3.2.2 Interconnection: deleted.

Section 907.3.2.3 Power source: deleted.

Section 907.15.1 Dedicated Phone Line and Power Source is amended by adding the following:

A dedicated phone line or a telephone system capable of overriding normal use shall be required in order to notify the monitoring company of an emergency. The alarm panel and telephone shall remain functional and connected to electrical power at all times regardless of occupancy vacancies.

Section 907.20.6 Required Monitoring is hereby amended by adding the following:

When required by the Fire Code Official, fire alarm systems shall be monitored by an approved central, proprietary, or remote station. Owners/tenants of buildings with required fire alarm systems must report upon request from the fire department, the name and location of the monitoring company for that system. The Fire Code Official shall be notified within 24 hours of any change or cancellation by the monitoring company or of any changes thereto.

Section 912.4 Signs is hereby amended by adding the following:

When a building is served by multiple fire department connections, each connection shall be provided with an approved sign detailing the area of the building served by each connection.

CHAPTER 10 **MEANS OF EGRESS**

Section 1008.1.1.2 Blocked Doors is added as follows:

Where approved by the fire code official, exterior access doors allowed to be blocked shall be clearly marked on the exterior and interior "THIS DOOR BLOCKED"

Section 1008.1.8.3 Locks & Latches is added as follows:

5. A key locking device on the main entrance door in State licensed facilities classified as Group R-3 or R-4 occupancies and designated as "Directed Care" shall be allowed when the following stipulations are complied with:
 - a. Each employee has a key on their person at all times they are in the facility that will open the door from the inside. Failure to maintain compliance with these requirements shall require immediate removal of the key locking device and replacement with an approved locking

device that does not require a key or special knowledge to open the door from the inside.

CHAPTER 14 **FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION**

Section 1410.1.1 Access Road and Signage is amended by adding the following:

Construction sites shall have a sign posted at the entrance displaying the site address and be marked “**Fire Department Access-Do Not Block**”. An approved sign shall be located to direct emergency responders into and through the construction site as required by the fire code official.

CHAPTER 22 **MOTOR FUEL-DISPENSING FACILITIES AND REPAIR GARAGES**

Section 2206.6.1 Protection from damage is amended by adding the following:
or protected as required by the fire code.

CHAPTER 23 **HIGH-PILED COMBUSTIBLE STORAGE**

Section 2301.3 Construction documents is amended by adding the following:

15. Fire Sprinkler Plans for high-piled combustible storage occupancies shall require a registered fire protection engineer stamp.

Section 2301.5 Identification of High Piled Storage Sprinkler System Capabilities and Limitations is amended by adding the following:

An adhesive label shall be permanently installed at or adjacent to each sprinkler riser. When a building contains more than four risers, a sign shall be located at an approved location inside the building. The minimum sign dimensions are 6 inches high by 4 inches wide. The sign shall specify the capabilities and limitations of the automatic fire sprinkler system. The sign shall include the following information:

1. The design base or basis, including the edition used
2. A statement indicating if the sprinkler design is control mode density area method, control mode specific application, suppression mode or any combination thereof.
3. When used, all of the storage conditions stipulated NFPA 13, Section 12.7 for special designs.
4. The maximum storage height.
5. The minimum required aisle width.
6. If storage is in racks, the maximum rack width and minimum transverse and longitudinal flue widths.
7. Commodities that can be protected by the automatic fire sprinkler system.
8. Commodities that cannot be protected by the automatic fire sprinkler system.
9. Limits on the storage heights if idle wood and plastic storage.

10. Limits on storage heights if miscellaneous Group A plastic, tire and rolled paper storage.
11. Locations where in-rack sprinklers are required.
12. Locations where horizontal and/or vertical barriers are required.
13. Information explaining the manufacturer, sprinkler identification number, K-factor, and operating temperature of the overhead sprinklers protecting the high piled storage.

The following example illustrates a suggested label or sign:

Automatic Sprinkler System Capabilities & Limitations	
Stored Commodity	Class I water miscible flammable liquids in 1 & 5 gallon polyethylene containers in fiberboard cartons
Design Documents	NFPA 13, 2002 edition & NFPA 30-2000 edition, Table 4.8.2 (g) and section 4.8.6.2 (Scheme B)
Design Type	Control Mode, Density/Area Method
Max. Storage Height	25 feet
Min. Aisle Width	8 feet
Max. Rack Width	9 feet
Flue Dimensions	Longitudinal: Min. 6 inches Transverse: Min. 3 inches
System Capabilities	Class I-IV commodities, stored commodity, solid pile or palletized Group A plastics to 12 feet; rack storage of Group A plastics to 25 feet.
System Limitations	No level 2 or 3 aerosols, Class 2,3 or 4 oxidizers
Idle Pallets	6 feet maximum storage height
Tire Storage	5 feet maximum storage height
Roll Paper Storage	5 feet maximum storage height
In-rack sprinklers	In-rack sprinklers are required at each of 3 rack tiers containing the stored commodity. In-rack sprinklers are Tyco/Central FS-B, 17/32" orifice, QR 155°F element, SIN TY0041
Horizontal Barriers	Required at each rack tier containing the stored commodity.
Ceiling Sprinkler	Tyco ELO-231B, 3/4" orifice, SR 286°F element, upright, SIN TY0030

Section 2306.7 Smoke and Heat Removal is amended by adding the following:

The temperature rating of the smoke and heat vents shall be two temperature ratings above the fire sprinkler head temperature rating.

CHAPTER 24
TENTS, CANOPIES AND OTHER MEMBRANE STRUCTURES

Section 2403.2 Approval required is amended as follows:

An operational permit is required to operate an air-supported temporary membrane structure or a tent having an area in excess of 600 square feet, or a canopy used for an A occupancy in excess of 1,200 square feet.

Delete Exception #2.

CHAPTER 26
WELDING AND OTHER HOT WORK

Section 2601.2 Permits is hereby amended by adding the following:

Welding & Hot Work – Dry hotwork, grinding and/or welding conducted outside during fire burn or open flame restrictions shall not be allowed. In emergency situations where work is required, a permit shall be requested and will be evaluated on a case by case basis by the fire code authority.

Section 2604.2.6 Fire extinguisher is hereby amended to read as follows:

A minimum of one portable fire extinguisher complying with section 906 and with a minimum 2-A:20-B:C rating shall be readily accessible within 30 feet (9144 mm) **and on the same floor level** of the location where hot work is performed.

CHAPTER 27
HAZARDOUS MATERIALS-GENERAL PROVISIONS

Section 2701.3.3.6.1 Vehicle Impact Protection is amended by adding the following:

Where required by the Fire Marshal or his representative vehicle impact protection shall be provided as specified in Section 312.2.

CHAPTER 33
EXPLOSIVES AND FIREWORKS

Section 3301.2.4 Financial Responsibility is amended as follows:

Before a permit is issued, as required by Section 3301.2, the applicant shall file with the jurisdiction a corporate surety bond in the principal sum of \$1,000,000 (one million dollars) or a public liability insurance policy for the same amount, for the purpose of the payment of all damages to persons or property which arise from, or are caused by, the conduct of any act authorized by the permit upon which any judicial judgment results. The fire code official is authorized to specify a greater or

lesser amount when, in his or her opinion, conditions at the location of use indicate a greater or lesser amount is required. Government entities shall be exempt from this bond requirement.

Section 3301.2.4.1 Blasting is amended as follows:

Before approval to do blasting is issued, the applicant for approval shall file a bond or submit a certificate of insurance in the amount of \$1,000,000 (one million dollars) in each case to indemnify the jurisdiction against any and all damages arising from permitted blasting.

Section 3301.2.4.2 Fireworks Display is amended as follows:

The permit holder shall furnish a bond or certificate of insurance in the amount of \$1,000,000 (one million dollars) per occurrence for the payment of all potential damages to a person or persons or to property by reason of the permitted display, and arising from any acts of the permit holder, the agent, employees or subcontractors to indemnify the jurisdiction against any and all damages arising from permitted fireworks displays.

Sec. 3301.2.5 Permit Fees is added as follows:

The permit fee for a fireworks display shall be paid at the time of the submittal of the permit application. The fee for stand-by personnel shall be submitted within 5 days following the event. Permit fees shall be as follows:

Fireworks displays, the fee shall be **\$150.00**

Stand-by personnel **\$50.00** per hour per person with a three hour minimum.

Section 3301.4.1 Blaster Certification is amended by adding the following:

All blasting permit applicants shall have a valid Certificate of Fitness card issued by a jurisdiction deemed acceptable by the Fire Marshal.

Section 3301.4.2 Shooter Certification is amended by adding the following:

A current shooters certificate issued by a jurisdiction deemed acceptable by the Fire Marshal must be held by at least one individual on the shooting crew during the fireworks display and/or indoor pyrotechnics display.

CHAPTER 34 **FLAMMABLE AND COMBUSTIBLE LIQUIDS**

Sec. 3401.4.1 Permit Fees is amended as follows:

A permit fee shall be paid, with any permit as required in 3401.4, in the amount of **\$50.00** for flammable or combustible fuel storage up to and including an aggregate amount of 5,000 gallons and **\$250.00** for flammable or combustible fuel storage above the aggregate amount of 5,000 gallons.

CHAPTER 38
LIQUIFIED PETROLEUM GASES

Section 3803.2.1.7 Use for food preparation is deleted in its entirety and replaced with the following:

Listed and approved LP-Gas commercial food service appliances shall be permitted to be used inside restaurants and in commercial food catering operations that are attended. No commercial food service appliances shall have more than two 10-oz non-refillable butane gas containers with a maximum water capacity of 1.08 lb. per container connected directly to the appliance at any time. 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 hose. Butane containers shall be listed. Storage of 10-oz butane non-refillable containers in restaurants and at food service locations shall be limited to no more than twenty-four containers.

CHAPTER 45 **REFERENCED STANDARDS**

Chapter 45 Recognized Standards is revised as follows: (Add the following paragraph)

Whenever in this Code, reference is made to the below listed codes, the appropriately dated editions shall be used.

1. International Building Code (2006 Ed.)
2. International Mechanical Code (2006 Ed.)
3. International Plumbing Code (2006 Ed.)
4. National Electrical Code, NFPA #70 (2005 Ed.)
6. National Fire Protection Association Standards (2005 Ed.)

APPENDIX A

Section A101.2 Membership is amended as follows:

The membership of the board shall consist of five voting members having the qualifications established by Section 108.3 and reside within the boundaries of the Central Yavapai Fire District. Members shall apply to the fire code official or the chief administrative officer of the jurisdiction, subject to confirmation by a majority vote of the Fire Board. Members shall serve without remuneration or compensation, and shall be removed from office prior to the end of their appointed terms only for cause. Suggested types of membership may include:

Section A101.2.1 Design Professional: A practicing design professional registered in the practice of engineering or architecture in the state in which the board is established.

Section A101.2.2 Fire Protection Engineering Professional: A qualified engineer, technologist, technician or safety professional trained in fire protection engineering, fire science or fire technology. Qualified representatives in this category may include fire protection contractors and certified technicians engaged in fire protection system design.

Section A101.2.3 Industrial Safety Professional: A registered industrial or chemical engineer, certified hygienist, certified safety professional, certified hazardous materials manager or comparably qualified specialist experienced in chemical process safety or industrial safety.

Section A101.2.4 General Contractor: A contractor regularly engaged in the construction, alteration, maintenance, repair or remodeling of buildings or building services and systems regulated by the code.

Section A101.2.5 General Industry or Business Representative: A
representative of business or industry.

Section A101.3 Terms of Office is deleted.

Section A101.3.1 Initial Appointments is deleted.

Section A101.5 Secretary of Board is amended as follows:

The fire code official or his designate shall act as secretary of the board and shall keep a detailed record of all its proceedings, which shall set forth the reasons for its decisions, the vote of each member, the absence of a member and any failure of a member to vote.

Section 101.7 Meetings is amended as follows:

The board shall meet at regular intervals, to be determined by the chairman or a minimum of once per year. In any event, the board shall meet within 30 days after notice of appeal has been received.

APPENDIX B

Section B102 Definitions the following definitions are added:

FIRE AREA. The aggregate floor area enclosed and bounded by exterior walls plus any canopies, overhangs or horizontal projections over 4 feet in width.

Table B105.1 Minimum Required Fire Flow and Flow Duration for Buildings is amended as follows:

Add Footnote d.: In special circumstances, where the municipal or rural water supply will not provide the required 1500 gpm the fire code official may accept a lesser amount. This amount may never be less than 1000 gpm.

APPENDIX D

Section D103.2 Grade is amended as follows:

Fire apparatus access roads shall not exceed 12 percent in grade.

The Exception is deleted and replaced as follows:

Exception: The fire code official may permit the access road grade to increase to, but not exceed 15 percent if fire sprinklers are provided in the structure.

Section D103.3 Turning Radius is amended as follows:

The minimum turning radius shall be 28' (twenty eight feet) inside and 50' (fifty feet) outside diameter for all fire department access roads and parking lots.