

**GYPSUM FIRE PROTECTION DISTRICT**

**RESOLUTION NO. 2023- 4**

**A RESOLUTION AUTHORIZING REPEAL AND READOPTION OF THE 2021 INTERNATIONAL FIRE CODE**

**WHEREAS**, the Gypsum Fire Protection District (“District”) is a quasi-municipal corporation and political subdivision of the State of Colorado and a duly organized and existing special district pursuant to Title 32, Article 1, Colorado Revised Statutes; and

**WHEREAS**, pursuant to §31-1-1002(1)(d), the District is authorized to adopt and enforce fire codes, but no such code shall apply within any municipality or the unincorporated portion of any county unless the governing body of such municipality or county adopts a resolution stating that such code shall be applicable within the District’s boundaries; and

**WHEREAS**, via Resolution No. 2022-3, the District adopted the 2021 International Fire Code (“2021 IFC”), including certain amendments (“IFC Amendments”); and

**WHEREAS**, to improve clarity and ensure enforceability of the 2021 IFC, the District desires to correct typographical errors contained within the IFC Amendments; and

**WHEREAS**, the District’s Board of Directors (“Board”) hereby finds and determines that the repeal and re adoption of the 2021 IFC is appropriate is appropriate and necessary to the function and operation of the District; and

**NOW, THEREFORE, BE IT RESOLVED** by the Board of Directors of the District as follows:

1. **Repeal of Resolution No. 2022-3.** Resolution No. 2022-3 is hereby repealed in its entirety.

2. **Readoption of 2021 IFC.** A certain document, two (2) copies of which are on file in the District’s business office, being marked and designated as the 2021 IFC, including Appendix Chapters A, B, C, D, E, F, G, H, I, K, and N, as published by the International Code Council, is hereby adopted as the Fire Code of the District. The 2021 IFC is adopted for the purposes of regulating, governing and safeguarding life and property from fire and explosion hazards arising from the storage, handling and use of hazardous substances, materials and devices, and from conditions hazardous to life or property in the occupancy of buildings and premises as herein provided; providing for the

issuance of permits and collection of fees therefor. Each and all of the regulations, provisions, penalties, conditions and terms of the 2021 IFC are hereby referred to, adopted, and made a part hereof, as if fully set out in this Resolution, with the additions, insertions, deletions and changes, if any, prescribed in this Resolution.

3. **Applicability within the Town of Gypsum and Eagle County.** The Fire Code of the District shall not apply within the Town of Gypsum or unincorporated portions of Eagle County unless the governing body of the Town of Gypsum, Colorado and/or Eagle County, Colorado adopts a resolution stating that such code shall be applicable.

4. **Amendments to 2021 IFC.** The sections of the 2021 IFC, as described in Exhibit A attached hereto and incorporated herein by this reference, are hereby revised by the addition of the words underlined and the deletion of the words stricken.

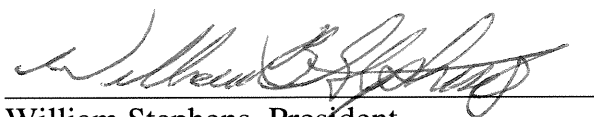
5. **Severability.** If any part, section, subsection, sentence, clause or phrase of this Resolution is for any reason held to be invalid, such invalidity shall not affect the validity of the remaining provisions.

6. **Effective Date.** This Resolution shall take effect and be enforced immediately upon its approval by the District Board.

ADOPTED this 23<sup>rd</sup> day of August, 2023.

GYPSUM FIRE PROTECTION DISTRICT

By



William Stephens, President

Attest:



Katie Hood, Secretary

## EXHIBIT A

### AMENDMENTS TO 2021 IFC

#### CHAPTER 1

Section 101.1, insert: Gypsum Fire Protection District Section 102.4, modify as follows:

##### **102.4 Application of building code.**

The design and construction of new structures shall comply with the *International Building Code* and the *International Fire Code*, and any alterations, additions, changes in use or changes in structures required by this code, which are within the scope of the *International Building Code* and the *International Fire Code*, shall be made in accordance therewith.

Section 104.12, modify as follows:

##### **104.12 Authority at fire and other emergencies.**

The fire chief or officer of the fire department in charge at the scene of a fire or other emergency involving the protection of life or property, or any part thereof, shall have the authority to direct such operation as necessary to extinguish or control any fire, perform any rescue operation, investigate the existence of suspected reported fires, gas leaks, or other hazardous conditions or situations, or take any other action necessary in the reasonable performance of duty. In the exercise of such power, the fire chief or officer of the fire department is authorized to prohibit any person, vehicle, vessel or thing from approaching the scene, and is authorized to remove, or cause to be removed or kept away from the scene, any vehicle, vessel or thing that could impede or interfere with the operations of the fire department and, in the judgment of the fire chief or officer of the fire department, any person not actually and usefully employed in the extinguishment of such fire or in the preservation of property in the vicinity thereof.

Section 105.3.9, add the following new provision:

##### **105.3.9 Transfer of permit.**

In the event of a change of contractor, engineer, or registered design professional of record to another contractor, engineer, or registered design professional, plans and documents shall be resubmitted unless an appropriate letter of release is furnished accordingly.

Section 106.1, modify as follows:

##### **106.1 Submittals.**

*Construction documents* and supporting data shall be submitted electronically with each

application for a permit 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.

**Exception:** The *fire code official* is authorized to waive the submission of *construction documents* ~~and supporting data~~ not required to be prepared by a registered design professional if it is found that the nature of the work applied for is such that review of *construction documents* is not necessary to obtain compliance with this code. The *fire code official* is authorized to require a scope of work letter to be submitted at the time of application in lieu of the *construction documents*.

Section 106.3, modify as follows:

### **106.3 Amended construction documents.**

Work shall be installed in accordance with the *approved construction documents*, and any changes made during construction that are not in compliance with the *approved construction documents* shall be ~~resubmitted for approval as an amended set of *construction documents*~~ approved by the *fire code official* and shall be submitted in an amended set of as-built construction documents prior to final inspection.

Section 107.2, modify as follows:

### **107.2 Schedule of permit fees.**

The fee for each permit shall be paid as required, in accordance with the schedule as established by the applicable governing authority. The fee for each permit shall be set forth by the Gypsum Fire Protection District and reference the Town of Gypsum Building Permit Fees where applicable.

Section 107.4, modify as follows:

### **107.4 Work commencing before permit issuance.**

A Any person who commences any work, activity or operation regulated by this code before obtaining the necessary permits shall be subject to an additional ~~fee~~ investigation penalty established by the ~~applicable governing authority~~ Gypsum Fire Protection District Board of Directors, which shall be in addition to the required permit fees. Such investigation penalty may be collected whether or not a permit is then or subsequently issued. The minimum investigation penalty shall be four (4) times the applicable permit fee. The payment of such investigation penalty shall not exempt any person from compliance with all other provisions of this code nor from any penalty prescribed by law.

Section 107.6, modify as follows:

### **107.6 Refunds.**

~~The applicable governing authority is authorized to establish a refund policy.~~ The Fire

Chief or fire code official shall authorize the refunding of fees upon written request filed by the original permit applicant not later than one hundred eighty (180) days after the date of fee payment as follows:

1. The full amount of any fee paid hereunder which was erroneously paid or collected.
2. The full amount of any fee paid hereunder for which the permit has not been processed.
3. Not more than 80% of the total permit fee paid when an application has been processed but is withdrawn or cancelled before any plan review effort has been expended.

Section 107.7, add the following new provision:

**107.7 Permit fees / plan check fees.**

Plan check fees for permits required under this code are non-refundable. Minimum plan check fees shall be paid at the time of application. Plan check fees will be assessed according to the fee schedule adopted by the Gypsum Fire Protection District Board of Directors. Additional plan check fees may be assessed if the plan review requires more than four hours for review. The fire code official shall, at his or her discretion, require additional plan and inspection review by the department's contracted fire protection engineer at the contractor's expense. Additional plan check fees shall be assessed for review of re-submittals in excess of the four hours allotted by the original plan check fee. Any additional plan check fees shall be paid prior to issuance of the permit.

Permit fees shall be assessed according to the fee schedule adopted by the Gypsum Fire Protection District Board of Directors. Permit fees are based on one rough-in inspection for each space in the building and one final inspection for each space in a building.

Permit fees shall be paid prior to issuance of the permit. Permit fees are non-refundable once the permit has been issued.

After two failed inspections on any level, for example, two roughs or two finals, the contractor shall be assessed additional inspection fees for that inspection level according to the fee schedule adopted by the Gypsum Fire Protection District Board of Directors. Re-inspection fees (if applicable) shall be paid prior to requesting a final inspection.

Section 110.1, modify as follows:

**110.1 Authority to disconnect service utilities.**

The fire code official or fire company officer in command of an incident shall have the authority to authorize disconnection of utility service to the building, structure or system in order to safely execute emergency operations or to eliminate an immediate hazard. The fire code official or fire company officer in command of an incident shall notify the serving utility and, where possible, the owner or the owners authorized agent and the occupant of the building, structure or service system of the decision to disconnect prior to

taking such action. If not notified prior to disconnection, then the *owner*, owner's authorized agent or occupant of the building, structure or service system shall be notified in writing as soon as practical thereafter.

Section 111.1, modify as follows:

### **111.1 Board of appeals established.**

In order to hear and decide appeals of orders, decisions or determinations made by the *fire code official* relative to the application and interpretation of this code, there shall be and is hereby created a board of appeals. The board of appeals shall be appointed by the ~~governing body~~ Gypsum Fire Protection District Board of Directors pursuant to Section 111.1.1 and shall hold office at its pleasure. The board of appeals shall adopt rules of procedure for conducting its business, and shall render all decisions and findings in writing to the appellant with a duplicate copy to the *fire code official*.

Section 111.1.1, add the following new provision:

#### **111.1.1 Membership of the board of appeals.**

The Board of Directors of the Gypsum Fire Protection District shall be the board of appeals in lieu of appointed members.

Section 111.2, modify as follows:

### **111.2 Limitations on authority.**

An application for appeal shall be based on a claim that the true 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 of appeals shall have the authority to hear and decide appeals of orders, decisions or determinations made by the *fire code official* relative to the application and interpretation of this code. The board of appeals shall not have authority relative to interpretation of the administrative provisions of this code. The board shall not have authority to waive requirements of this code or any resolution adopted by the Board of Directors of the Gypsum Fire Protection District.

Section 111.3, modify as follows:

### **111.3 Qualifications.**

The board of appeals shall consist of members who are a licensed and/or certified professional engineer, architect, building contractor, superintendent of building construction, building official, *fire code official*, or other person qualified by experience and training to pass on matters pertaining to hazards of fire, explosions, hazardous conditions or fire protection systems, and are not employees of the jurisdiction.

Section 111.5, add the following new provision:

### **111.5 Fees.**

Fees for a board of appeals hearing shall be \$100.00 payable to the Gypsum Fire Protection District at the time of application.

Section 111.6, add the following new provision:

### **111.6 Time for appeal.**

An appeal shall be commenced within ten (10) days from the date of the decision being appealed by filing a written notice of appeal with the secretary of the board of appeals.

Section 111.7, add the following new provision:

### **111.7 Board action on appeal.**

Upon receipt of a notice of appeal, the secretary of the board of appeals shall schedule said appeal for a hearing within thirty (30) days or, if the board has adopted a regular schedule of meetings, not later than the third regular meeting following receipt of the notice. The secretary shall thereupon mail written notice of the date, time, and place of the hearing to the *fire code official* and the appellant.

Section 111.8, add the following new provision:

### **111.8 Hearings.**

Hearings shall be open to the public and conducted as nearly as possible in conformance with Section 24-4-105, C.R.S. The board of appeals shall adopt reasonable rules and regulations for the conduct of such hearings.

Section 111.9, add the following new provision:

### **111.9 Rulings.**

The board of appeals shall issue its findings and ruling on an appeal, in writing, not later than thirty (30) days after the hearing or, if the board has adopted a regular schedule of meetings, not later than the second regular meeting following the hearing. The secretary shall mail copies of the findings and ruling to the *fire code official* and the appellant.

Section 111.10, add the following new provisions:

### **111.10 Appeals of rulings.**

Any person aggrieved by a decision of the board of appeals shall have the right to appeal therefrom to the Gypsum Fire Protection District Board of Directors. Such appeal shall be made within thirty (30) days from the date of the decision of the board of appeals and, in the case of an appeal by the *fire code official*, the original appellant shall be notified within five (5) days from the date of the decision that the *fire code official* intends to appeal the decision.

#### **111.10.1 Procedure.**

Appeal of a ruling shall be commenced by filing a written notice of appeal with the administrative assistant to the Gypsum Fire Protection District Board of Directors, who shall schedule the appeal for a hearing not later than the second regular meeting following receipt of said notice. The administrative assistant shall notify the secretary of the board of appeals, fire code official, and the appellant in writing of the date, time, and place of the hearing.

**111.10.2 Fees.**

The fee for an appeal of a ruling shall be \$100.00, payable to the Gypsum Fire Protection District at the time of filing a notice of appeal.

**111.10.3 Transmission of files.**

Upon receipt of a notice of appeal from the administrative assistant, the secretary of the board of appeals shall transmit the file containing all exhibits, testimony, and evidence of whatsoever kind to the administrative assistant not later than ten (10) days prior to the scheduled hearing.

**111.10.4 Hearing.**

At the hearing, the Gypsum Fire Protection District Board of Directors shall examine the file and consider any additional evidence which it deems appropriate. Strict rules of evidence shall not apply, but all additional oral evidence shall be reduced to writing in summary form.

**111.10.5 Ruling.**

Within ten (10) days from the date of the hearing, the Gypsum Fire Protection District Board of Directors shall issue its written ruling affirming, modifying, or reversing the ruling of the board of appeals. Copies of the ruling shall be mailed to the secretary of the board of appeals, fire code official, and the appellant. The fire code official shall then take whatever action is indicated by the ruling of the Gypsum Fire Protection District Board of Directors.

Section 112.4, modify as follows:

**112.4 Violation penalties.**

Persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter, repair or do work in violation of the *approved construction documents* or directive of the *fire code official*, or of a permit or certificate used under provisions of this code, shall be guilty of a misdemeanor, punishable by a penalty of not more than two thousand (\$2,000.00) dollars or by imprisonment not exceeding ninety (90) days, or both such penalty and imprisonment.

Each day that a violation continues after due notice has been served shall be deemed a separate offense.

Section 113.4, modify as follows:



### **113.4 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~~ penalty of not less than three hundred (\$300.00) dollars or more than two thousand (\$2,000.00) dollars.

## **CHAPTER 2**

Section 202, modify as follows:

**NUISANCE ALARM.** An alarm caused by the mechanical failure, malfunction, improper installation or lack of proper maintenance, or an alarm activated by a cause that cannot be determined. Fire alarms that require emergency response that are caused by a system not being offline during repair, test, inspection, or maintenance will be considered a nuisance alarm.

## **CHAPTER 3**

Section 307.3, modify as follows:

### **307.3 Extinguishment authority.**

Where open burning creates or adds to a hazardous situation, or a required permit for open burning has not been obtained, the *fire code official* and/or fire company officer in command of an incident is authorized to order the extinguishment of the open burning operation.

**308.1.4 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. [No Change]
2. [No Change]
3. LP-gas cooking devices having LP-gas container with a ~~water capacity not greater than 2½ pounds [nominal 1 pound (0.454kg) LP-gas capacity]~~ liquid propane capacity not greater than 4.7 gallons.

Section 308.2, modify as follows:

### **308.2 Permits required.**

Permits shall be obtained from the *fire code official* in accordance with Section 105.5

prior to engaging in the following activities involving open flame, fire and burning:

1. Use of a torch or flame-producing device to remove paint from a structure.
2. Use of open flame, fire or burning in connection with ~~Group A or E~~ Group A, B, E, F, H, I, R-1, R-2, R-4, S, or U occupancies.

**Exception: Group R-3 occupancies**

3. Use or operation of torches and other devices, machines, or processes liable to start or cause fire in or upon wildfire risk areas.

## **CHAPTER 4**

Section 403.4.1, modify as follows:

### **403.4.1 First emergency evacuation drill.**

The first emergency evacuation drill of each school year shall be conducted within ~~10~~ 21 days of the beginning of classes.

## **CHAPTER 5**

Section 503.6.1, add the following new provision:

### **Section 503.6.1 Electrically powered security gates.**

Electrically powered gates shall have an *approved* fire department emergency access key switch in an *approved* location. Electrically powered gates opened using the fire department key switch shall remain open not less than one minute after opening.

Section 503.6.2, add the following new provision:

### **Section 503.6.2 Electrically powered security gates, fail-safe hinge.**

Electrically powered gates shall be equipped with a fail-safe hinge pin that will disable the operating arm. The safety hinge pin shall be accessible without use of a special key or tool.

Section 507.2.2, modify as follows:

**507.2.2 Water tanks.** Water tanks for private fire protection shall be installed in accordance with NFPA 22 and water supply calculations shall be determined by NFPA 1142.

## **CHAPTER 6**

Section 603.4.1, modify as follows:

#### **603.4.1 Labeling.**

Doors into electrical control panel rooms shall be marked with a plainly visible and legible sign, of contrasting colors (red letters on a white sign), stating ELECTRICAL ROOM or similar approved wording. The disconnecting means for each service, feeder or branch circuit originating on a switchboard or panelboard shall be legibly and durably marked to indicate its purpose unless such purpose is clearly evident.

Section 605.8.2, modify as follows:

#### **605.8.2 Spark arrestor.**

Incinerators shall be equipped with an effective means for arresting sparks. Chimneys used with fireplaces, or heating appliances in which solid fuels are used, shall be maintained with an effective means for arresting sparks.

### **CHAPTER 9**

Section 901.2.2, add the following new provision:

#### **901.2.2 Personnel Qualifications.**

Fire suppression system personnel shall be registered with the Colorado Division of Fire Prevention and Control as a fire suppression system contractor and qualified and experienced in the installation, inspection, testing, and maintenance of fire sprinkler systems. Qualified personnel shall also meet one (1) of the following requirements:

1. National Institute for Certification in Engineering Technologies (NICET);
  - a. Level II minimum is required for field supervisors
  - b. Level III minimum is required for system engineering and plans submittals
2. Factory trained or certified;
3. Journeyman certification program through an organized labor union;
4. Trained and qualified personnel employed by an organization listed by a national testing laboratory for the servicing of fire sprinkler systems; or
  5. Completion of apprentice program through an accredited educational

program. Section 901.4.2, modify as follows:

#### **901.4.2 Nonrequired fire protection systems.**

*A fire protection system or portion thereof not required by this code or the International*

*Building Code* shall be allowed to be furnished for ~~partial~~ complete protection provided such installed system meets the applicable requirements of this code and the *International Building Code*.

Section 901.6.3, modify as follows:

**901.6.3 Records.**

Records of all system inspections, test and maintenance required by the referenced standards shall be maintained and submitted to the *fire code official*, for record keeping purposes, no later than thirty (30) days after any such system inspections, test or maintenance is performed or conducted.

Section 901.9, modify as follows:

**901.9 Termination of monitoring service.**

For fire alarm system required to be monitored by this code, notice shall be made to the *fire code official* whenever prior to alarm monitoring services are being terminated. Notice shall be made in writing, to the *fire code official*, by the building owner/agent prior to termination of services and by the monitoring company service provider being terminated.

Section 901.11, add the following new provision:

**901.11 Response to Nuisance Alarms.**

If the Gypsum Fire Protection District responds to two or more *nuisance alarms* within a thirty (30) day period, the property owner/agent may be fined by the Gypsum Fire Protection District for each offense. Fines shall be as follows:

First (1st) offense:	\$0	Second (2nd) offense:	\$0	Third (3rd)
offense:	\$150	Fourth (4th) offense:	\$300	Fifth (5th)
offense:	\$500			

Additional offenses will be billed at the current full cost of personnel and fire equipment for a minimum of a one (1) hour time period.

**Exception:** The property owner/agent can provide documentation that the issue that caused the *nuisance alarm* is in the process of being repaired.

Section 903.2.1, modify as follows:

**Section 903.2.1 Group A.**

An *automatic sprinkler system* shall be provided throughout buildings ~~and portions thereof~~ used as Group A occupancies as provided in this section.

Section 903.2.3, modify as follows:

**903.2.3 Group E.**

An *automatic sprinkler system* shall be provided for Group E occupancies as follows:

1. Throughout all Group E *fire areas* greater than 12,000 square feet (1115 m<sup>2</sup>) in area.
2. The Group E *fire area* is located on a floor other than a *level of exit discharge* serving such occupancies

~~**Exception:** In buildings where every classroom has not fewer than one exterior exit door at ground level, an *automatic sprinkler system* is not required in any area below the lowest *level of exit discharge* serving that area.~~

3. The Group E *fire area* has an occupant load of 300 or more. Section

903.2.8.1, add the following new provision:

**903.2.8.1. Group R-3.** An *automatic sprinkler system* installed in accordance with Section 903.1.3 shall be required, permitted, and installed in Group R-3 occupancies that are supplied by a municipal water supply and constructed more than 5.5 miles of road travel distance from a fire station.

Section 903.2.8.1.1, add the following new provision:

**903.2.8.1.1 Group R-2.** An *automatic sprinkler system* installed in accordance with Section 903.1.3 shall be required in buildings that have R-2 occupancies and other occupancies under one common roof.

Section 903.2.9.1, modify as follows:

**903.2.9.1 Repair garages.** An *automatic sprinkler system* shall be provided throughout all buildings used as repair garages in accordance with Section 406.8 of the *International Building Code*, as shown:

1. Buildings having two or more stories above grade plane, including *basements*, with a *fire area* containing a repair garages exceeding 10,000 square feet (929 m<sup>2</sup>).
2. Buildings not more than one story above grade plane, with a *fire area* containing a repair garage exceeding 12,000 square feet (1115 m<sup>2</sup>).
3. Buildings with repair garages servicing vehicles parked in *basements*.

4. A group S-1 *fire area* used for the repair of commercial motor vehicles where the *fire area* exceeds 5,000 square feet (464 m<sup>2</sup>).
5. Buildings in which repair garages and other occupancy types occupy a building under one common roof.

Section 903.4, modify as follows:

#### **903.4 Sprinkler system supervision and alarms.**

Valves controlling the water supply for *automatic sprinkler systems*, pumps, tanks, water levels and temperatures, critical air pressures and waterflow switches on all sprinkler system shall be electrically supervised by a *listed* fire alarm control unit.

#### **Exceptions:**

1. ~~*Automatic sprinkler systems* protecting one and two family dwellings.~~
2. [No Change]
3. [No Change]
4. [No Change]
5. [No Change]
6. [No Change]
7. [No Change]

Section 903.4.3, modify as follows:

#### **903.4.3 Floor control valves.**

*Approved* supervised indicating control valves shall be provided at the point of connection to the riser on each floor in high-rise buildings. Floor control valves shall be readily accessible without the use of special key, knowledge or ladder. Locations of floor control valves shall be subject to approval of the *fire code official*.

Section 905.2.1, add the following new provision:

#### **905.2.1, Installation standards - standpipe systems.**

Class III standpipes may be required to be manual wet when required by the *fire code official*. Standpipes shall be hydraulically separate from fire sprinkler risers. Combination risers are prohibited without expressed permission of the *fire code official*.

Section 905.3, modify as follows:

#### **905.3, Required installations.**

Standpipe systems shall be installed where required by Sections 905.3.1 through 905.3.8. ~~Standpipes systems are allowed to be combined with *automatic sprinkler systems*.~~ Standpipe installations may be required by the *fire code official* where distances to all portions of the property from fire apparatus exceed 150 feet. Stand pipe class shall be

determined by the fire code official based on the conditions presented.

**Exception:** Standpipe systems are not required in Group R-3 occupancies. Section 905.3.1, modify as follows:

**905.3.1 Height.**

Class III standpipe systems shall be installed throughout buildings where the floor level of the highest story is located more than 30 feet (9144 mm) above the lowest level of the fire department vehicle access, or where the floor level of the lowest story is located more than 30 feet (9144 mm) below the highest level of fire department vehicle access.

**Exceptions:**

1. [No Change]
2. [No Change]
3. [No Change]
4. [No Change]
5. [No Change]
6. [No Change]
- 6.1 [No Change]

6.2 ~~Conditions where topography makes access from the fire department vehicle to the building impractical or impossible.~~

Section 907.1.4, add the following new provision:

**907.1.4 Personnel qualifications.**

Fire alarm system personnel shall be qualified and experienced in the installation, inspection, testing, and maintenance of fire alarm systems. Qualified personnel shall meet one (1) of the following requirements:

1. National Institute for Certification in Engineering Technologies (NICET);
  - a. Level II minimum is required for field supervisors
  - b. Level III minimum is required for system engineering and plans submittals
2. Factory trained or certified;

3. Journeyman certification program through an organized labor union;
4. Trained and qualified personnel employed by an organization listed by a national testing laboratory for the servicing of fire alarm systems; or
  5. Completion of apprentice program through an accredited educational program. Section 907.2.1, modify as follows:

#### **907.2.1 Group A.**

A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group A occupancies where the *occupant load* due to the assembly occupancy is 300 or more, or where a Group A *occupant load* is more than 100 persons above or below the lowest *level of exit discharge*. Group A occupancies not separated from one another in accordance with Section 707.3.10 of the *International Building Code* shall be considered as a single occupancy for the purposes of applying this section. Portions of Group E occupancies occupied for assembly purposes shall be provided with a fire alarm system as required for the Group E occupancy.

~~**Exception:** Manual fire alarm boxes are not required where the building is equipped throughout with an *automatic sprinkler system* installed in accordance with Section 903.3.1.1 and the occupant notification appliances will activate throughout the notification zones upon sprinkler water flow.~~

Section 907.2.2, modify as follows:

#### **907.2.2 Group B.**

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

1. The combined Group B *occupant load* of all floors is 500 or more.
2. The Group B *occupant load* is more than 100 persons above or below the lowest *level of exit discharge*.
3. The *fire area* contains an ambulatory care facility.

~~**Exception:** Manual fire alarm boxes are not required where the building is equipped throughout with an *automatic sprinkler system* installed in accordance with Section 903.3.1.1 and the occupant notification appliances will activate throughout the notification zones upon sprinkler water flow.~~

Section 907.2.2.1, modify as follows:



### 907.2.2.1 Ambulatory care facilities.

*Fire areas* containing ambulatory care facilities shall be provided with an electronically supervised automatic smoke detection system installed within the ambulatory care facility and in public use areas outside of tenant spaces, including public *corridors* and elevator lobbies.

~~**Exception:** Buildings equipped throughout with an *automatic sprinkler system* in accordance with Section 903.3.1.1 provided the occupant notification appliances will activate throughout the notification zones upon sprinkler water flow.~~

Section 907.2.3, modify as follows:

Section 907.2.3.1, add the following new provision:

**907.2.3.1** **Automatic smoke detection system.** An automatic smoke detection system shall be installed throughout Group E occupancies in accordance with Section 907.5 and Section 907.6.

~~**Exception:** Group E occupancies with an occupant load of 50 or less. Section 907.2.4, modify as follows:~~

**907.2.4 Group F.** A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group F occupancies where both of the following conditions exist:

1. The Group F occupancy is two or more stories in height.
2. The Group F occupancy has a combined *occupant load* of 500 or more above or below the lowest *level of discharge*.

~~**Exception:** Manual fire alarm boxes are not required where the building is equipped throughout with an *automatic sprinkler system* installed in accordance with Section 903.3.1.1 and the occupant notification appliances will activate throughout the notification zones upon sprinkler water flow.~~

Section 907.2.7, modify as follows:

### **907.2.7 Group M.**

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

1. The combined Group M *occupant load* of all floors is 500 or more persons.

2. The Group M *occupant load* is more than 100 persons above and below the lowest *level of exit discharge*.

**Exceptions:**

1. A manual fire alarm system is not required in covered or open mall buildings complying with Section 402 of the *International Building Code*.
2. ~~Manual fire alarm boxes are not required where the building is equipped throughout with an *automatic sprinkler system* installed in accordance with Section 903.3.1.1 and the occupant notification appliances will automatically activate throughout the notification zones upon sprinkler water flow.~~

Section 907.2.8.1, modify as follows:

**907.2.8.1 Manual fire alarm system.**

A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group R-1 occupancies.

**Exceptions:**

1. A manual fire alarm system is not required in buildings not more than two stories in height where all individual *sleeping units* and contiguous attic and crawl spaces to those units are separated from each other and public or common areas by not less than 1-hour *fire partitions* and each individual *sleeping unit* has an *exit* directly to a *public way*, *egress court* or yard.
2. ~~Manual fire alarm boxes are not required throughout the building where all of the following conditions are met:~~
  - 2.1 ~~The building is equipped throughout with an *automatic sprinkler system* installed in accordance with Section 903.3.1.1 or 903.3.1.2.~~
  - 2.2 ~~The notification appliances will activate upon sprinkler water flow.~~
  - 2.3 ~~Not fewer than one manual fire alarm box is installed at an *approved* location.~~

Section 907.2.9.1, modify as follows:

**907.2.9.1 Manual fire alarm systems.**

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

1. Any *dwelling unit* or *sleeping unit* is located three or more stories above the lowest

*level of exit discharge.*

2. Any *dwelling unit* or *sleeping unit* is located more than one story below the highest *level of exit discharge* of exits serving the *dwelling unit* or *sleeping unit*.
3. The building contains more than 16 *dwelling units* or *sleeping units*.

**Exceptions:**

1. A fire alarm system is not required in buildings not more than two stories in height where all *dwelling units* or *sleeping units* and contiguous attic and crawl spaces are separated from each other and public or common areas by not less than 1-hour *fire partitions* and each *dwelling unit* or *sleeping units* has an exit directly to a public way, egress court or yard.
2. ~~Manual fire alarm boxes are not required where the building is equipped throughout with an *automatic sprinkler system* installed in accordance with Section 903.3.1.1 or 903.3.1.2 and the occupant notification appliances will automatically activate throughout the notification zones upon a sprinkler water flow.~~
3. ~~A fire alarm system is not required in buildings that do not have interior corridors serving *dwelling units* and are protected by an approved *automatic sprinkler system* installed in accordance with Section 903.3.1.1 or 903.3.1.2, provided that *dwelling units* either have a means of egress door opening directly to an exterior exit access that leads directly to the exits or are served by open ended corridors designed in accordance with Section 1027.6, Exception 3.~~

Section 907.2.10, modify as follows:

**907.2.10. Group S.**

A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group S public- and self-storage occupancies three stories or greater in height for interior *corridors* and interior common areas. Visible notification appliances are not required within storage units.

~~**Exceptions:** Manual fire alarm boxes are not required where the building is equipped throughout with an *automatic sprinkler system* installed in accordance with Section 903.3.1.1, and the occupant notification appliances will activate throughout the notification zones upon sprinkler water flow.~~

Section 907.5.2.1.4, add the following new provision:

**907.5.2.1.4 Silencing of alarm notification appliances.**

Upon the silencing (by the fire department) of a fire alarm system that has been activated, the fire alarm system shall be capable of silencing the audible alarms while still providing

visual notification to occupants.

Section 907.6.6, modify as follows;

**907.6.6 Monitoring.**

Fire alarm systems required by this chapter or by the *International Building Code* shall be monitored by an *approved* supervising station in accordance with NFPA 72.

**Exception:** Monitoring by a supervising station is not required for:

1. Single- and multiple-station smoke alarms required by Section 907.2.11.
2. Smoke detectors in Group I-3 occupancies.
3. ~~Automatic sprinkler systems in one and two family dwellings.~~ Section

914.3.1, modify as follows:

**914.3.1 Automatic sprinkler system.**

Buildings and structure shall be equipped throughout with an *automatic sprinkler system* in accordance with Section 903.3.1.1 and a secondary water supply where required by Section 914.3.3. However, with the approval of the *fire code official*, alternate automatic fire suppression systems may be considered for use in areas where a fire sprinkler system may not be suitable.

~~**Exceptions:** An *automatic sprinkler system* shall not be required in spaces or areas of telecommunications equipment buildings used exclusively for telecommunications equipment, associated electrical power distribution equipment, batteries and standby engines, provided that those spaces or areas are equipped throughout with an automatic fire detention system in accordance with Section 907.2 and are separated from the remainder of the building by not less than 1-hour *fire barriers* constructed in accordance with Section 707 of the *International Building Code* or not less than 2-hour *horizontal assemblies* constructed in accordance with Section 711 of the *International Building Code*, or both.~~

Section 914.6.1, modify as follows:

**914.6.1 Automatic sprinkler system.**

With the approval of the *fire code official*, alternate automatic fire suppression systems may be considered for use in areas where a fire sprinkler system may not be suitable.

Stages shall be equipped with an *automatic sprinkler system* in accordance with Section 903.3.1.1. Sprinklers shall be installed under the roof and gridiron and under all catwalks and galleries over the stage. Sprinklers shall be installed in dressing rooms, performer lounges, shops, and storerooms accessory to such stages.

**Exceptions:**

- ~~1.— Sprinklers are not required under stage areas less than 4 feet (1219 mm) in clear height utilized exclusively for storage of tables and chairs, provided the concealed space is separated from the adjacent spaces by Type X gypsum board not less than 5/8 inch (15.9 mm) in thickness.~~
- ~~2.— Sprinklers are not required for stages 1,000 square feet (93m<sup>2</sup>) or less in area and 50 feet (15 240mm) or less in height where curtains, scenery or other combustible hangings are not retractable vertically. Combustible hangings shall be limited to a single main curtain, borders, legs and a single backdrop.~~
- ~~3.— Sprinklers are not required within portable orchestra enclosures on stages.~~

**APPENDIX A**

Adopted.

**APPENDIX B**

Adopted.

**APPENDIX C**

Adopted.

C106, add the following new provision:

**C106 Performance based equivalency.** Performance based equivalency shall be approved by the *fire code official*.

**APPENDIX D**

Adopted.

D109, add the following new provision:

**D109 Performance based equivalency.** Performance based equivalency shall be approved by the *fire code official*.

**APPENDIX E**

Adopted.

**APPENDIX F**

Adopted.

**APPENDIX G**

Adopted.

**APPENDIX H**

Adopted.

**APPENDIX I**

Adopted.

**APPENDIX J**

Not adopted and shall be used for reference purposes only.

**APPENDIX K**

Adopted.

**APPENDIX L**

Not adopted and shall be used for reference purposes only.

**APPENDIX M**

Not adopted and shall be used for reference purposes only.

**APPENDIX N**

Adopted.