



## **GYPSUM FIRE PROTECTION DISTRICT AMENDMENTS TO THE INTERNATIONAL FIRE CODE:**

The following amendments are hereby made to the International Fire Code, 2009 edition:

SECTION 101.1 – TITLE: is hereby amended as follows:

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

SECTION 102.7- REFERENCED CODES AND STANDARDS: This section is to be deleted in its entirety and shall be replaced with the following text; The codes and standards referenced in this code shall be those listed in Chapter 47 with the addition of National Fire Protection Association Standards (NFPA) 96-98, 326-05, and 551-07, 720-09 and Gypsum Fire Protection District standards as approved by the Chief and as published on the Department web site at [www.gypsumfd.com](http://www.gypsumfd.com). Such codes and standards shall be considered part of the requirements of this code to the prescribed extent of each such reference. Where codes and standards are adopted by other governmental jurisdictions, and where differences occur between provisions of this code and the adopted standards, the more stringent of the two shall apply. Fire sprinkler standards, fire alarm standards, Commissioning Standards, and related standards shall be published and available for review.

SECTION 105.3.9- TRANSFER OF PERMIT: Amend to add this new section to read as follows; In the event of a change of contractor, engineer or registered design professional of record to another contractor, engineer or registered designed professional; plans and documents shall be resubmitted unless an appropriate letter of release is furnished accordingly.

SECTION 105.3.10- PERMIT FEES / PLAN CHECK FEES: Amend to add this new section to read as follows; 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 as adopted by the Gypsum Fire Protection District. Additional plan check fees may be assessed if the plan review requires more than two hours for review. The Fire Code Official shall at their 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. Any additional plan check fees shall be paid prior to issuance of the permit.

Permit fees shall be assessed according to the Fee Schedule as adopted by the Gypsum Fire Protection District. 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 the issuance of the permit. Permit fees are non-refundable once the permit has been issued.

After 2 failed inspections on any level for example 2 roughs or 2 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. Re-inspection fees (if applicable) shall be paid prior to requesting a Final Inspection.

SECTION 202 -DEFINITIONS: Amend to add this new section to read as follows;  
Tampering: Any alteration, damage, misuse or deactivation and/or any similar actions that render inoperable any fire protection, fire detection or life safety system without express approval of the fire department. [See Section 901.8]

SECTION 308.1.4 -OPEN-FLAME COOKING DEVICES: Amend this section to add the following language as follows; Exception 4. Listed or AIG certified Natural Gas appliances.

SECTION 312.4- ELECTRIC METERS, GAS METERS AND PIPING: Amend to add this new section to read as follows; Above ground electric meters, gas meters, regulators, and piping shall be protected from damage by ice or snow, and if exposed to vehicular damage due to proximity to alleys, driveways or parking areas, shall be protected from such damage in accordance with section 312.1 of this code. Location of electric meters and gas meters in new installations shall be approved by the local utility company prior to installation.

SECTION 318 –CARBON MONOXIDE DETECTION: Amend to add this new section to read as follows; Carbon Monoxide where required shall be in accordance with the State of Colorado requirements and NFPA 720. Where conflict exists, the stricter shall apply.

SECTION 318.1 –CARBON MONOXIDE DETECTION LOCATION: Amend to add this new section to read as follows; additional and initial detection may be determined by the Fire Code Official based on the conditions presented. Locations shall be subject to approval of the fire department.

SECTION 503.7- ELECTRICALLY POWERED GATES: Amend to add this new section to read as follows; Electrically powered gates shall be provided with an approved fire department emergency access key switch. Key access shall be assessable in a location acceptable to the fire department. Electrically powered gates opened using the fire department key switch shall remain open not less that one minute after opening.

SECTION 503.8 -ELECTRICALLY POWERED GATES, FAIL SAFE HINGE: Amend to add this new section to read as follows; 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 special key or tool.

SECTION 510.1- EMERGENCY RESPONDER RADIO COVERAGE IN BUILDINGS: Amend this section to add the following language as follows; See additional requirements set by IFC Appendix J and NFPA 1 Appendix O. Technical Data provided by the Gypsum Fire Protection District.

SECTION 603.4 PORTABLE NON-VENTED HEATERS: This section is to be deleted in its entirety and shall be replaced with the following text; Portable non-vented fuel-fired heating equipment shall be prohibited on the interior of any structure, tent or other space used for occupancy or storage.  
Exception: Portable non-vented heaters on construction job sites shall be regulated under Chapter 14 of this code.

SECTION 603.4.2.1.1- PROHIBITED LOCATIONS: Amend this section to add the following language as follows; 1. Inside of any occupancy when connected to the fuel gas container as an integral component. For example, a “Torpedo” burner with an electric fan and diesel/kerosene tank, burners attached to 20lb propane tanks, and similar appliances.  
4. Portable heaters on construction job sites as regulated in Chapter 14 of this code.

SECTION 609 SECTION 609.1-GENERAL: Amend this section to add the following language as follows; Compliance with National Fire Protection Association (NFPA) Standard 96 is required.

SECTION 903.7. - QUALIFICATIONS: Amend to add this new section to read as follows  
Service personnel shall be registered with the Colorado Division of Fire Safety as a Fire Suppression System contractor and qualified and experienced in the inspection, testing, and maintenance of fire sprinkler systems. Qualified personnel shall meet the requirements for Item 1 and either Item 2 or 3 (minimum).

1. National Institute for Certification in Engineering Technologies. Level II minimum is required for field supervisors.
2. Journeyman certification program through an organized labor union.
3. A minimum of 8 hours of continuing education annually.
4. Certified by examination by a state or local authority.
5. Trained and qualified personnel employed by an organization listed by a national testing laboratory for the servicing of fire sprinkler systems.
6. Factory trained and certified.
7. Completion of apprentice program through an accredited educational program.

SECTION 901.7.4 -PREPLANNED IMPAIRMENT PROGRAMS: The first paragraph is hereby amended as follows:

Preplanned impairments shall be authorized by the Gypsum Fire Protection District. An Impairment Permit is required prior to authorization. Before authorization is given, a designated individual shall be responsible for verifying that all of the following procedures have been implemented:

SECTION 902 -DEFINITIONS: Amend this section to add the following language as follows;

False Alarms: A unintentional alarm generated by malfunctioning or damaged equipment or resulting from poor maintenance.

Inaccessible Buildings: Where fire department access does not extend to at least 50% of the exterior perimeter, or does not provide aerial apparatus access within 20 feet of the exterior perimeter of the highest occupied floor, or where the most remote point of the exterior perimeter is greater than 150 feet of any fire staging area as determined by the Fire Code Official.

SECTION 903.2.11.1- STORIES WITHOUT OPENINGS: Amend this section to add the following text: 3. Openings referred to in items 1 and 2 above shall have approved fire department access.

SECTION 903.2.11.3.1- INACCESSIBLE BUILDINGS: Amend to add this new section to read as follows: An automatic sprinkler system shall be installed through all buildings classified as an inaccessible building. See Section 902 Definitions.

SECTION 903.3.1.1- NFPA 13 SPRINKLER SYSTEMS: This section is to be deleted in its entirety and shall be replaced with the following text; Where the provisions of this code require that a building or portion thereof be equipped with throughout with an approved automatic fire sprinkler system in accordance with this section, sprinklers shall be installed in accordance with NFPA 13 and Gypsum Fire Protection District Standards as published at [www.gypsumfd.com](http://www.gypsumfd.com).

SECTION 903.4.3- FLOOR CONTROL VALVES: Amend this section to add the following language as follows: 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 department.

SECTION 905.2.1- INSTALLATION STANDARDS - STANDPIPE SYSTEMS: Amend to add this new section to read as follows; 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 REQUIRED INSTALLATIONS: Amend this section to add the following language as follows: 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.

SECTION 905.3.1-HEIGHT EXCEPTIONS: Amend this section by deleting the following exception; 5.2 Conditions where topography makes access from the fire department vehicle to the building impractical or impossible.

SECTION 907.1.1- QUALIFICATIONS: Amend this section to add the following text: Alarm Service personnel shall be qualified and experienced in the inspection, testing, and maintenance of fire alarm systems. Qualified personnel shall meet the requirements for Item 1 and either Item 2 or 3 (minimum).

1. National Institute for Certification in Engineering Technologies. Level II minimum is required for field supervisors.
2. Factory trained or certified.
3. Journeyman that have completed a BAT certification program through the State of Colorado.
4. Certified by examination by a state or local authority.
5. A minimum of 8 hours of continuing education annually.
6. Trained and qualified personnel employed by an organization listed by a

national testing laboratory for the servicing of fire Alarm systems.

7. Completion of apprentice program through an accredited educational program.

SECTION 907.6.2.1.3 –SILENCE ALARMS: Amend to add this new section to read as follows; For the purpose of non interference with responder communications, audible alarms shall be capable of silencing audible alarms while still providing visual notification to occupants.

SECTION 907.9.5.1- FIRE ALARM SYSTEMS: Amend to add this new section to read as follows; Fire Alarm Contractors are required to submit a signed copy of each Test and Inspection report on their company letterhead to Gypsum Fire Protection District Fire Prevention Bureau. Such reports shall be submitted within 30 days of the inspection and may be transmitted by mail, electronic transmission, or hand delivered. All deficiencies identified during the tests and inspection shall be duly noted as to nature and location. Reports shall contain without regard to format, all essential information as is contained and addressed in the National Fire Protection Association National Fire Alarm Code, also known as NFPA 72. Failure to submit copies in a timely manner may result in suspension of the contractor's work in the district

SECTION 907.9.5.2- FIRE PROTECTION SYSTEMS: Amend to add this new section to read as follows; Tests and Inspection Reports - Registered Fire Sprinkler Contractors are required to submit a signed copy of each Test and Inspection report on their company letterhead to Gypsum Fire Protection District Prevention Bureau. Such reports shall be submitted within 30 days of the inspection and may be transmitted by mail, electronic transmission, or hand delivered. All deficiencies identified during the tests and inspection shall be duly noted as to nature and location. Reports shall contain without regard to format, all essential information as is contained and addressed in the National Fire Protection Association Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems, also known as NFPA 25. Failure to submit copies in a timely manner may result in suspension of the contractor's work in the district.

SECTION 914.3.1- AUTOMATIC SPRINKLER SYSTEMS: Exception 1 and Exception 2, This section is to be deleted in its entirety and shall be replaced with the following text; Note: 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.

SECTION 914.6.1 - AUTOMATIC SPRINKLER SYSTEMS. This section is to be deleted in its entirety and shall be replaced with the following text; Note: 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.

SECTION 4603.8 - MONITORING REQUIRED: All fire alarm and fire sprinkler systems shall be monitored by a UL listed central monitoring station or by Vail Public Safety Communication Center.

## **Adoption of Appendix's**

APPENDIX A, E and G are not adopted and shall be used for reference purposes only. The Elected Fire Board shall be the Board of Appeals

APPENDIX B, Fire Flow Requirements for buildings, is adopted. Section B101.1 shall be deleted in its entirety and replaced with the following:

“The procedure for determining fire-flow requirements for buildings or portions of buildings hereafter constructed shall be in accordance with this appendix and the Eagle County water flow requirements. In the event of a conflict between this appendix and the Eagle County water flow requirements, the stricter shall apply. This appendix does not apply to structures other than buildings.

APPENDIX C- Adopted and amended by adding a new section C106 as follows:

C106, Performance based equivalency. Performance based equivalency shall be approved by the Fire Code Official.

APPENDIX D- FIRE APPARATUS ACCESS ROADS : Adopted: Amend this section to add the following language as follows: Performance based equivalency shall be approved by Fire Code Official

APPENDIX F- Adopted

APPENDIX H- Adopted

APPENDIX I- Adopted

APPENDIX J - EMERGENCY RESPONDER RADIO COVERAGE is hereby adopted and amended by deleting and replacing section J101.1 and adding a new section J103.1.2.1 as follows:

J101.1 Scope. Systems, components and equipment required to provide emergency responder radio coverage shall be in accordance with this appendix and NFPA 1 Appendix O. In the event of a conflict between the two, the stricter standard shall apply.

J103.1.2.1 See Current Posted design criteria on the Gypsum Fire Protection District Website [www.gypsumfd.com](http://www.gypsumfd.com).