## Fire Alarm and Fire Sprinkler Submittals – General Information

- **Please make an appointment if you wish to discuss your project or any other issues. Due to limited staffing, walk in requests cannot always be accommodated. Contractor information and forms can be located on our website: www.eagleriverfire.org.**

Fire alarm and fire sprinkler submittals for permit will fall under one of two categories: new installations or remodels.

- New installations or remodels of significant impact shall require a full submittal for review. Remodels of limited scope, remodels of relatively minor impact and tenant finishes may be submitted in the form of a scope of work application. If you are unsure about your project, please call us to discuss the project.

- Please review the submittal requirements for the appropriate systems to ensure your submittal is complete and can be processed in the shortest time possible.

- All submittals may be submitted via USPS, UPS, FedEx, or hand delivered to the Eagle River Fire Protection District, Fire Prevention Bureau located at our administrative offices in Edwards, CO.

- We will not accept incomplete submittals. All incomplete submittals shall be returned without review. Returned submittals shall delay the approval process. Submittals which have been reviewed, rejected and returned to the contractor shall be subject to a plan check resubmittal fee.

- No work of any kind on any project will be allowed until the Eagle River Fire Protection District has issued a permit for the project. Any work done without a permit will be subjected to fees of four times the permit fee in addition to the actual permit and review fees.

- Eagle River Fire Protection District Fire Prevention Division will make every effort to review, comment, and issue approval on complete submittals within 10 working days. However, due to limited staffing review times may take longer. More complex or special use projects may require a longer review process. Please plan your project accordingly.

- Complex Submittals: May be forwarded to a Fire Protection Engineer for review shall be billed at actual cost for the review. You will be invoiced for all charges including shipping. All charges are required to be paid in full prior to any final fire inspections.

- Rush Reviews: The submittal shall be forwarded to a Fire Protection Engineer. You will be invoiced at the actual cost for rush review, and any other charges including shipping. Any charges shall be paid in full prior to any final inspections.

**Fire Sprinkler Submittal Requirements**

**If any of the following components are not included, the entire submittal shall be returned to you**.

## Fire Sprinkler – Scope of Work (SOW)

- Signed permit application.
- Check for the correct amount made out to ERFPD.
- Copy of the approved Building Permit – issued by Town of Avon, Eagle County, Minturn or Redcliff.
- Current copy of CO Division of Fire Safety registration.
- Current copy of contractor's license for the Town of Avon (if applicable).
- Detailed Scope of Work Memo on company letterhead – Signed.
- Cut sheets if needed.
- SOW must be signed by NICET III or above, or a Fire Protection Engineer (FPE).
- Copy of the signed contract may be requested to verify job valuation.

## Fire Sprinkler – Full Submittal

- Signed Permit Application.
- Check for the correct amount made out to ERFPD.
- Copy of the approved building permit – issued by Town of Avon, Eagle County, Minturn, Redcliff or CO Division of Fire Safety.
- Current copy of CO Division of Fire Safety registration.
- Current copy of contractor's license for the Town of Avon (if applicable).
- Minimum of 3 sets of plans – ¼" scale.
- 3 sets of cut sheets.
- 3 sets of hydraulic calculations.
- Complete detailed water test flow result (new construction/significant remodel).
- 1 site plan (new construction/significant remodel).
- 1 set reflected ceiling plans (new construction/significant remodel).
- 1 set interior elevations (new construction/significant remodel).
- Plans and calculations signed by NICET III or above, or a Fire Protection Engineer (FPE).

## Current Codes

- 2015 IFC (International Fire Code).
- 2015 IBC (International Building Code).
- FS – 2016 NFPA 13 (National Fire Protection Association).

All info and forms can be found on our website: www.eagleriverfire.org.

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Revised: 1/2019

# Fire Sprinkler Rough Inspection

Any work done on a fire suppression system must be inspected. Usually these inspections will fall under one of two categories: fire sprinkler rough and fire sprinkler final acceptance. These inspections must be conducted regardless if the project is a new-construction fire suppression system or a remodel. Any question regarding scheduling or conducting inspections should be directed to the fire prevention bureau.

- Calls for fire sprinkler rough inspections must be placed at least twenty-four (24) hours in advance.

- An approved set of plans and cut sheets shall be made available during the inspection. Should the job be a Scope of Work, an approved copy of the letter and appropriate cut sheets must be available. On all jobs, a copy of the signed permit shall be present at ALL times.

- A representative of the fire sprinkler permit holder's company who is familiar with the job shall be on-site and available to walk the inspector. All necessary tools, personnel and equipment need to be present and available.

Prior to calling for a Fire Sprinkler Rough Inspection, ensure that the following issues have been addressed:

- All work has been done in accordance with applicable codes and in a workman-like manner.

- Rough inspections are conducted after the installation of all piping and fittings. A hydrostatic test of 200 psi for two hours must be completed. Interim "hydro" tests using air are acceptable only when weather issues are a consideration. A full hydro test shall be completed prior to a final inspection. Should the project meet NFPA criteria with no extenuating circumstances, a hydrostatic test may be waived.

- Any work that has been previously inspected and then changed shall be submitted for review and re-inspection.

- Should an inspection be denied, a reinspect fee of $100.00 shall be charged and shall be paid at the fire department prior to re-scheduling a follow-up inspection. Cash is not accepted by the department.

## Fire Sprinkler Final Acceptance Inspections

- A representative of the fire sprinkler permit holder's company who is familiar with the job shall be on-site and available to walk the inspector. All necessary tools, personnel and equipment need to be present and available.

- Prior to final acceptance, all sprinkler components shall have been checked and/or tested according to the manufacturer's instructions. The permit holder is responsible for conducting a 100% pre-test of the system.

- Calls for final inspections must be made at least twenty-four (24) hours in advance.

- An approved set of plans and cut sheets shall be available during the inspection. All as-builts or red-lines must be available for the inspection. On all jobs, a copy of the signed permit must be present at all times.

- Final acceptance testing is conducted concurrently with other life safety systems if permitted. It is the permit holder's responsibility to coordinate with other trades as necessary for final inspections.

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# Fire Protection Systems – Test and Inspection Requirements

All fire protection systems shall be maintained and tested regularly. A quality maintenance program increases the likelihood that the system will operate as it is designed to do in the event of a fire.

The IFC does not require that copies of the completed fire protection system test and inspections be forwarded to the Authority Having Jurisdiction (AHJ). However, the ERFPD Prevention Division requests that you forward a copy of all completed test and inspections for commercial entities for review.

**Repairs:** The timeline for repairs to be completed is up to the AHJ. Critical deficiencies are required to be reported to the ERFPD Prevention Bureau for review approval prior to conducting the work so the issue can be fixed as quickly as possible. Non-critical deficiencies must be scheduled for repair and/or replacement within 30 days from the completed inspection date.

With regard to the testing and maintenance of fire protection systems, applicable sections from the 2015 International Fire Code include, but are not limited to the following:

**901.4.1 Required Fire Protection Systems –** Fire protection systems required by the IFC or the International Building Code (IBC) shall be installed, repaired, operated, tested and maintained in accordance with this code. A fire protection system for which a design option, exception or reduction to the provisions of this code or the IBC has been granted shall be considered to be a required system.

**901.4.2 Nonrequired Fire Protection Systems –** a fire protection system or portion thereof not required by the IFC or the IBC shall be allowed to be furnished for partial or complete protection provided such installed system meets the applicable requirements of the IFC and the IBC

**901.6 Inspection, Testing and Maintenance –** Fire detection, alarm, and extinguishing systems, mechanical smoke exhaust systems, and smoke and heat vents shall be maintained in an operative condition at all times, and shall be replaced or repaired where defective. Nonrequired fire protection systems and equipment shall be inspected, tested and maintained or removed.

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**901.6.1 Standards** – Fire protection systems shall be inspected, tested and maintained in accordance with the referenced standards listed in Table 901.6.1.

**TABLE 901.3.1**
**FIRE PROTECTION SYSTEM MAINTENANCE STANDARDS**

| SYSTEM | STANDARD |
|---|---|
| Portable fire extinguishers | NFPA 10 |
| Carbon dioxide fire-extinguishing system | NFPA 12 |
| Halon 1301 fire-extinguishing systems | NFPA 12A |
| Dry-chemical extinguishing systems | NFPA 17 |
| Wet-chemical extinguishing systems | NFPA 17A |
| Water-based fire protection systems | NFPA 25 |
| Fire alarm systems | NFPA 72 |
| Smoke and heat vents | NFPA 204 |
| Water-mist systems | NFPA 750 |
| Clean-agent extinguishing systems | NFPA 2001 |

**901.6.2 Records** – Records of all system inspections, tests and maintenance required by the referenced standards shall be maintained.

# NO WORK WITHOUT PERMIT POLICY

- Any work done prior to approval and issuance of the permit shall result in an immediate order to discontinue work and a **Work without Permit Fee shall be assessed.**

- The fee shall be equal to four (4) times the amount of the scheduled permit fee and must be paid before any work can be continued or inspections requested.

- If work is continued without an approved permit, understand that additional fees shall be assessed.

- Acknowledgement and understanding statement for the No Work without Permit Policy, is now located on Permit Applications. Signature on application verifies reading and understanding of "No Work without Permit policy".

Fees shall be paid by check or money order. Eagle River Fire Protection District does not accept cash or credit cards. The fee shall be delivered in person or mailed to the Eagle River Fire Protection District Administrative Office. No formal notification of receipt for fee shall be mailed from the ERFPD office unless requested.

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# Construction Material Handling Policy

**Intent:**
Requirement that all materials used in life safety systems (sprinkler systems, fire alarm systems, BDAs, hood systems, and fire extinguishers) are shipped, handled and stored in accordance with the manufacturer's specifications.

**Scope:**
This policy applies to all life safety fire suppression and notification system designers, engineers, inspectors, installers and service companies that may contract or perform services within the boundaries of the Eagle River Fire Protection District. This includes new construction, remodel, repair or retrofitting of systems.

**Expectations:**
All materials used in life safety systems will be handled as specified by the manufacturer. Depending on the materials, certified letters from the transportation provider indicating that the materials have been shipped, handled and stored in accordance with the manufacturer's specifications may be required. Materials that are not handled, stored or shipped as specified may not be used in life safety fire suppression and notification systems within the boundaries of the Eagle River Fire Protection District.

**For more information, contact:**
Mick Woodworth, Fire Marshal
Eagle River Fire Protection District
1050 Edwards Access Rd, PO Box 2942
Edwards CO, 81632
(970) 736-5064
MWoodworth@eagleriverfire.org

# Fire System Backflow Prevention Device
# General Information

1) You must be registered with the Colorado Division of Fire Prevention and Control (CODFPC) to be able to work on any fire sprinkler system including the backflow prevention device. For information go to: https://www.colorado.gov/dfpc/fire-suppression-system-contractors.

2) Your insurance must include fire system and life safety riders.

3) Check with your local fire prevention bureau for any additional regulations before you work in their district.

4) Fire system backflow prevention assembly control valves can be supervised with various switches and contractors should be familiar with them.

5) Alarm companies and monitoring companies shall be notified to put alarms in the test mode while you are testing or repairing the backflow prevention assembly.

6) Alarm systems should be put back on line immediately following the completion of the test and/or repair.

7) Backflow prevention assembly testers are taught to leave valves in the orientation they found them in. If valves are off on a fire sprinkler system, the appropriate entities shall be notified immediately. Closed valves indicate a compromised sprinkler system.

8) If a backflow prevention assembly on a fire suppression system must be repaired, then the building management shall be notified to be on fire watch for the duration of the repair. Eagle River Fire Prevention Bureau shall also be notified immediately of the deficiency.

9) National Fire Protection Agency 25 handbook has many other regulations and procedures that shall be followed for testing, inspection and repair of backflow prevention assemblies on fire sprinkler systems.

10) Always contact your local fire prevention bureau with any questions or concerns you may have.

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# Flow Test Information Sheet

Note: ERFPD recommends a two-hydrant test

1. Reason for test: Design Base ☐ Other ☐
2. Address of property: _____
3. Date & time of test: Date: _____ Time: _____ (am) (pm)

4. Test conducted by: _____
   Name Title Affiliation
5. Test witnessed by: _____
   Name Title Affiliation
6. Source of water supply: Gravity ☐ Pump ☐ Other: _____
7. Name of water district: _____ Fire district: _____
8. Is water supply provided with PRV STA's Yes ☐ No ☐
   (If so, what is PRV outlet setting? _____PSIG) Make/Model of hydrants: _____
9. Area Map: (Draw Sketch showing property location; bounding streets and names, North Arrow, location of fire main tap to subject building, hydrant locations and identification numbers, distances from hydrants to property, elevations of hydrants and property floors or grade, all water mains, sizes and interconnection valves etc.)

| | | | | | | |
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| | | | | | | |

10. Flow Test Data 11. Date Gauges Last Calibrated: _____

| Flow at Hydr. Number | Static at Hydr. Number | Static PSIG | Residual PSIG | Flow GPM | Outlet Coefficient | Adjusted GPM | Pitot PSI |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

11. Signed: _____

Witness: _____

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# Permit Application

**Permit Number: _____ (Required)**

| **Job Address:** | **Project and Building Name:** | |
|---|---|---|
| General Contractor | Email Address | Cell Phone |
| Fire Alarm Contractor | Email Address | Cell Phone |
| Fire Sprinkler Contractor | Email Address | Cell Phone |
| Bi-Directional Amplification Contractor: | Email Address | Cell Phone |
| Dry Hydrant / Horizontal Standpipe Contractor: | Email Address | Cell Phone |
| **Valuation of Work:** | | |
| **Special Conditions:** | | |

| **Notice!!! Read Before Signing** | **Form of Payment** | |
|---|---|---|
| This permit becomes null and void if work or construction authorized is not commenced within 180 days or if construction is suspended or abandoned for a period of 180 days at any time after work is commenced.<br><br>I herby certify that I have read and examined this application and know the same to be true and correct. All provisions of laws and ordinances governing this type of work **shall** be complied with whether specified herein or not. The granting of a permit does not presume to give authority to violate or cancel the provisions of any other state or local law regulating construction or the performance of construction. I have read and understand the No Work Without Permit Policy.<br><br>Signature of Contractor Date | **Total Fee** | **Check Number** |
| | **Application accepted by:** | **Approved for issuance by:** |
| | **Date:** | **Date:** |

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# EAGLE RIVER FIRE PROTECTION DISTRICT PERMIT FEES - 2019

| Valuation Btwn | Permit Fee | Valuation Btwn | Permit Fee | Valuation Btwn | Permit Fee | Valuation Btwn | Permit Fee |
|---|---|---|---|---|---|---|---|
| Minimum Fee | $ | 20,001 - 21,000 | $794 | 55,001 - 56,000 | $1,649 | 90,001 - 91,000 | $2,213 |
| 0 - 500 | $56 | 21,001 - 22,000 | $828 | 56,001 - 57,000 | $1,665 | 91,001 - 92,000 | $2,230 |
| 501 - 600 | $63 | 22,001 - 23,000 | $861 | 57,001 - 58,000 | $1,682 | 92,001 - 93,000 | $2,246 |
| 601 - 700 | $71 | 23,001 - 24,000 | $894 | 58,001 - 59,000 | $1,699 | 93,001 - 94,000 | $2,263 |
| 701 - 800 | $78 | 24,001 - 25,000 | $927 | 59,001 - 60,000 | $1,715 | 94,001 - 95,000 | $2,279 |
| 801 - 900 | $85 | 25,001 - 26,000 | $960 | 60,001 - 61,000 | $1,732 | 95,001 - 96,000 | $2,296 |
| 901 - 1,000 | $92 | 26,001 - 27,000 | $984 | 61,001 - 62,000 | $1,748 | 96,001 - 97,000 | $2,313 |
| 1001 - 1,100 | $100 | 27,001 - 28,000 | $1,008 | 62,001 - 63,000 | $1,765 | 97,001 - 98,000 | $2,329 |
| 1101 - 1,200 | $107 | 28,001 - 29,000 | $1,032 | 63,001 - 64,000 | $1,782 | 98,001 - 99,000 | $2,346 |
| 1201 - 1,300 | $114 | 29,001 - 30,000 | $1,056 | 64,001 - 65,000 | $1,798 | 99,001 - 100,000 | $2,362 |
| 1301 - 1,400 | $121 | 30,001 - 31,000 | $1,080 | 65,001 - 66,000 | $1,815 | 100,001 - 101,000 | $2,379 |
| 1401 - 1,500 | $129 | 31,001 - 32,000 | $1,103 | 66,001 - 67,000 | $1,831 | 101,001 - 102,000 | $2,395 |
| 1501 - 1,600 | $136 | 32,001 - 33,000 | $1,127 | 67,001 - 68,000 | $1,848 | 102,001 - 103,000 | $2,412 |
| 1601 - 1,700 | $143 | 33,001 - 34,000 | $1,151 | 68,001 - 69,000 | $1,865 | 103,001 - 104,000 | $2,429 |
| 1701 - 1,800 | $150 | 34,001 - 35,000 | $1,175 | 69,001 - 70,000 | $1,881 | 104,001 - 105,000 | $2,445 |
| 1801 - 1,900 | $158 | 35,001 - 36,000 | $1,199 | 70,001 - 71,000 | $1,898 | 105,001 - 106,000 | $2,462 |
| 1901 - 2,000 | $165 | 36,001 - 37,000 | $1,223 | 71,001 - 72,000 | $1,914 | 106,001 - 107,000 | $2,478 |
| 2001 - 3,000 | $197 | 37,001 - 38,000 | $1,246 | 72,001 - 73,000 | $1,931 | 107,001 - 108,000 | $2,495 |
| 3001 - 4,000 | $230 | 38,001 - 39,000 | $1,270 | 73,001 - 74,000 | $1,947 | 108,001 - 109,000 | $2,512 |
| 4001 - 5,000 | $263 | 39,001 - 40,000 | $1,294 | 74,001 - 75,000 | $1,964 | 109,001 - 110,000 | $2,528 |
| 5001 - 6,000 | $297 | 40,001 - 41,000 | $1,318 | 75,001 - 76,000 | $1,981 | 110,001 - 111,000 | $2,545 |
| 6001 - 7,000 | $330 | 41,001 - 42,000 | $1,342 | 76,001 - 77,000 | $1,997 | 111,001 - 112,000 | $2,561 |
| 7001 - 8,000 | $363 | 42,001 - 43,000 | $1,366 | 77,001 - 78,000 | $2,014 | 112,001 - 113,000 | $2,578 |
| 8001 - 9,000 | $396 | 43,001 - 44,000 | $1,390 | 78,001 - 79,000 | $2,030 | 113,001 - 114,000 | $2,595 |
| 9001 - 10,000 | $429 | 44,001 - 45,000 | $1,413 | 79,001 - 80,000 | $2,047 | 114,001 - 115,000 | $2,611 |
| 10,001 - 11,000 | $463 | 45,001 - 46,000 | $1,437 | 80,001 - 81,000 | $2,064 | 115,001 - 116,000 | $2,628 |
| 11,001 - 12,000 | $496 | 46,001 - 47,000 | $1,461 | 81,001 - 82,000 | $2,080 | 116,001 - 117,000 | $2,644 |
| 12,001 - 13,000 | $529 | 47,001 - 48,000 | $1,485 | 82,001 - 83,000 | $2,097 | 117,001 - 118,000 | $2,661 |
| 13,001 - 14,000 | $562 | 48,001 - 49,000 | $1,509 | 83,001 - 84,000 | $2,113 | 118,001 - 119,000 | $2,678 |
| 14,001 - 15,000 | $595 | 49,001 - 50,000 | $1,533 | 84,001 - 85,000 | $2,130 | 119,001 - 120,000 | $2,694 |
| 15,001 - 16,000 | $628 | 50,001 - 51,000 | $1,566 | 85,001 - 86,000 | $2,147 | 120,001 - 121,000 | $2,711 |
| 16,001 - 17,000 | $662 | 51,001 - 52,000 | $1,582 | 86,001 - 87,000 | $2,163 | 121,001 - 122,000 | $2,727 |
| 17,001 - 18,000 | $695 | 52,001 - 53,000 | $1,599 | 87,001 - 88,000 | $2,180 | 122,001 - 123,000 | $2,760 |
| 18,001 - 19,000 | $728 | 53,001 - 54,000 | $1,616 | 88,001 - 89,000 | $2,196 | 123,001 - 124,000 | $2,777 |
| 19,001 - 20,000 | $761 | 54,001 - 55,000 | $1,632 | 89,001 - 90,000 | $2,213 | 124,001 - 125,000 | $2,794 |

# Permit Fees 2019

Permit fees shall apply but not be limited to the following: Fire Alarm Systems, Fire Sprinkler Systems, Bi-directional Amplification Systems and Rural Water Supplies. Fee schedule includes permitting fees, site inspection for rural water, plan review, rough inspection, and final inspection. Final flow/pressure test included for rural water systems.

| **Total Valuation** | **Fee** |
|---|---|
| $1.00 to $125,000 | See Permit Fee Table |
| $125,000 + | $2794 plus $17.00 for each additional $1000.00. |

**Other Fees:**

| | |
|---|---|
| Fire Flow/Flush Test | $100.00 to witness test conducted by sprinkler contractor |
| Kitchen Hood Systems | $100.00 to witness test conducted by hood system and fire alarm contractors |
| Inspections outside of normal business hours | $100.00 per hour (minimum charge 2 hours) |
| Re-inspection fees, including but not limited to partial inspections. | $150.00 |
| Work without Permit Fee | 4 times the building permit fee |
| Additional inspections when inspection limit (2 per floor) per permit reached. | $150.00 per inspection |
| Additional plan review required by changes, additions, or revisions to plans | $100.00per hour (minimum charge 2 hour) or actual cost of outside consultant |
| For use of outside consultants for plan checking and inspections, or both | Billed at additional costs incurred above plan check fee including but not limited to shipping, travel and site inspections etc. |
| Inspections for which no fee is specifically indicated | $100.00 per hour (minimum charge 1 hour) |
| Special permits for which no fees indicated | $100.00 per permit |
| Fireworks Permits | $100.00 per permit, including site visit |
| Incident and Investigation Report Requests | Please refer to our public records request form |

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# 2015 IFC Amendments

**Chapter 1 – Scope and Administration**
**101.1 Title.** These regulations shall be known as the Fire Code of the Eagle River Fire Protection District (ERFPD), hereinafter referred to as "this code."
**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*, shall be made in accordance therewith.
**102.7 Referenced codes and standards.** The codes and standards referenced in this code shall be the most currently published edition of those that are listed in Chapter 80, and such codes and standards shall be considered to be part of the requirements of this code to the prescribed extent of each such reference and as further regulated in Sections 102.7.1 and 102.7.2.
**104.9. Alternative materials and methods.** The provisions of the code are not intended to prevent the installation of any material or to prohibit any method of construction not specifically prescribed by this code, provide that any such alternative has been approved. The fire code official is authorized to approve an alternative material or method of construction where the fire code official finds that the proposed design is satisfactory and complies with the intent of the provisions of this code, and that the material, method or work offered is, for the purpose intended, at least the equivalent of that prescribed in this code in quality, strength, effectiveness, fire resistance, durability and safety. Where the alternative material, design or method of construction is not approved, the fire code official shall respond in writing, stating the reasons why the alternative was not approved. The 2015 ICC Performance Code for buildings and facilities may be used as a reference tool for alternative materials and methods subject to approval by the fire code official.
**104.11 Authority at fires 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 or 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 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, any person not actually and usefully employed in the extinguishing of such fire or in the preservation of property in the vicinity thereof. Fire alarm panel trouble signals,

maintenance signals, testing signals or as approved in writing by the Fire Chief shall not be construed as an emergency fire condition.

**104.11.3 Systems and devices.** Persons shall not render a system or device inoperative during an emergency unless by direction of the fire chief or fire department official in charge of the incident. Fire alarm panel trouble signals, maintenance signals, testing signals or as approved in writing by the Fire Chief shall not be construed as an emergency fire condition.

**105.1.2 Types of permits.** 2. Construction permits. A construction permit allows the applicant to construct, enlarge, alter, repair, move, demolish, or change the occupancy of a building or structure, the likes of which are regulated by this code. A construction permit also allows the applicant to install or modify systems and equipment for which a permit is required by Section 105.7.

**105.4.1 Submittals.** *Construction documents* and supporting data shall be submitted in two or more sets 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 jurisdiction in which the project is to be constructed.

**105.7 Required construction permits.** The *fire code official* is authorized to issue construction permits for work which is regulated by this code and as set forth in Sections 105.7.1 through 105.7.18.

**105.7.18 Temporary membrane structures and tents.** A construction permit is required to erect an air-supported temporary membrane structure, a temporary stage canopy or a tent having an area in excess of 400 square feet.

**Exceptions:**

3. Tents and awnings open on all sides, which comply with all of the following:

**ADD**

**108.1.1 Procedures.** To request a hearing before the board of appeals, the applicant shall file a request in writing to the fire chief. The fire chief shall arrange for the board of appeals to meet within 10 working days from the receipt of the request. All applicable fees as stated in the fire district fee schedule shall be paid at the time the written request is made.

**108.3 Qualifications.** The board of appeals shall consist of members who are qualified by experience and training to deliberate on matters pertaining to hazards of fire, explosions, hazardous conditions or *fire protection systems.*

**113.3 Work commencing before permit issuance.** No work shall commence prior to permit issuance without written authority by the code official. All work authorized to begin prior to issuance of a permit does not negate the permit holder from meeting the regulations of this code. Work done prior to the issuance of a permit that does not meet the regulations of this code will be corrected at the permit holder’s expense. All approved permits are subject to field inspection and does not negate the permit holder from meeting the regulations of this code and shall be corrected at the permit holder’s expense.

**113.5 Refunds.** ERFPD shall authorize the refunding of fees as follows:

1. The full amount of any fee paid hereunder which was erroneously paid or collected.

2. Not more than 80% of the permit fee paid when no work has been done under a permit issued in accordance with this code. Not more than 80% of the plan review

fee when an application for a permit for which a plan review fee has been paid is withdrawn or canceled before any plan review effort has been expended.
3. The Fire Official shall not authorize the refunding of any fee paid, except upon written request filed by the original applicant not later than 180 days after the date of fee payment.

**Chapter 2 – Definitions**

**Fire Area.** The aggregate floor area enclosed and bounded by *fire walls* meeting the requirements of the International Building Code and *fire barriers*, *exterior walls* or *horizontal assemblies* of a building. Areas of the building not provided with surrounding walls shall be included in the fire area if such areas are included within the horizontal projection of the roof or floor next above. For buildings constructed under the International Residential Code, the fire area is the aggregate floor area enclosed and bounded by exterior walls of a building.

**Marijuana.** *Marijuana* or *marihuana* means all parts of the plant of the genus *Cannabis*, whether growing or not, the seeds thereof, the resin extracted from any part of the plant and every compound, manufacture, salt, derivative, mixture or preparation of the plant, its seeds or its resin, including marijuana concentrate. *Marijuana* or *marihuana* does not include industrial hemp, nor does it include fiber produced from the stalks, oil or cake made from the seeds of the plant, sterilized seed of the plant which is incapable of germination or the weight of any other ingredient combined with marijuana to prepare topical or oral administrations, food, drink or other product.

**Marijuana Accessories.** *Marijuana accessories* means any equipment, products or materials of any kind which are used, intended for use or designed for use in planting, propagating, cultivating, growing, harvesting, composting, manufacturing, compounding, converting, producing, processing, preparing, testing, analyzing, packaging, repackaging, storing, vaporizing or containing marijuana or for ingesting, inhaling or otherwise introducing marijuana into the human body.

**Marijuana Products.** *Marijuana products* means concentrated marijuana products and marijuana products that are comprised of marijuana and other ingredients and are intended for use or consumption, such as, but not limited to, edible products, ointments and tinctures.

**Occupancy Classification.**

**Factory Industrial F-l Moderate-hazard occupancy.** Factory industrial uses that are not classified as Factory Industrial F-2 Low Hazard shall be classified as F-l Moderate Hazard and shall include, but not be limited to, the following:

**Marijuana Extraction Facilities**

**Marijuana Grow Facilities**

**Institutional Group I-I. Five or fewer persons receiving custodial care.** A facility with five or fewer persons receiving custodial care shall be classified as Group R-3 or shall comply with the *International Residential Code* provided an *automatic sprinkler system* is installed in accordance with Section 903.3.1.3

**Institutional Group 1-2. Five or fewer persons receiving medical care.** A facility with five or fewer persons receiving medical care shall be classified as Group R-3 or shall comply with the *International Residential Code* provided an *automatic sprinkler system* is installed in accordance with Section 903.3.1.3

**Residential Group R-3. Care facilities within a dwelling.** Care facilities for five or

fewer persons receiving care that are within a single-family dwelling are permitted to comply with the *International Residential Code* provided an *automatic sprinkler system* is installed in accordance with Section 903.3.1.3

**Chapter 3 – General Requirements**

**304.1.2 Vegetation.** Weeds, grass, vines or other growth that is capable of being ignited and endangering property, shall be cut down and removed by the *owner* or occupant of the premises. Vegetation clearance requirements in urban-wildland interface areas shall be in accordance with local codes, policies and ordinances.

**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:**

3. LP-gas cooking devices having LP-gas container with a water capacity not greater than 48 pounds [nominal 20 pound (9.1kg) LP-gas capacity]

**315.3 Storage in buildings.** Storage of materials in buildings shall be orderly and stacks shall be stable. Storage of combustible materials shall be separated from heaters or heating devices by distance or shielding so that ignition cannot occur. **Storage room doors shall be provided with approved signs.**

**Chapter 5 – Fire Service Features**

**503.1 Where required.** Fire apparatus access roads shall be provided and maintained in accordance with Eagle County Land Use Regulations (ECLUR) Article 4: Site Development Standards, Division 4-6: Improvement Standards, Section 4-620 Roadway Standards for all roadway and driveway access approvals. The ECLUR meets or exceeds the requirements of Sections 503.1.1 through 503.1.3.

**503.1.1 Buildings and facilities.** Approved fire apparatus access roads shall be provided for every facility, building or portion of a building hereafter constructed or moved into or within the jurisdiction. The fire apparatus access road shall comply with the requirements of this section and shall extend to within 150 feet (45 720 mm) of all portions of the facility and all portions of the exterior walls of the first story of the building as measured by an approved route around the exterior of the building or facility.

**Exceptions:**

1. The fire code official is authorized to increase the dimension of 150 feet to no more than 300ft where any of the following conditions occur:

1.1. The building is equipped throughout with an approved automatic sprinkler system installed in accordance with Section 903.3.1.1, 903.3.1.2 or 903.3.1.3.

1.2. Fire apparatus access roads cannot be installed because of location on property, topography, waterways, nonnegotiable grades or other similar conditions, and an approved alternative means of fire protection is provided.

1.3. There are not more than two Group R-3 or Group U occupancies.

**503.2.6 Bridges and elevated surfaces.** Where a bridge or an elevated surface is part of a fire apparatus access road, the bridge shall be constructed and maintained in accordance with Eagle County Land Use Regulations (ECLUR) Article 4: Site Development Standards, Division 4-6: Improvement Standards, Section 4-620 Roadway Standards for all roadway and driveway access approvals. AASHTO HB-17. Bridges and elevated surfaces shall be designed for a live load sufficient to carry the imposed loads of fire apparatus. Vehicle load limits shall be posted at both entrances to bridges where required

by the fire code official. Where elevated surfaces designed for emergency vehicle use are adjacent to surfaces that are not designed for such use, approved barriers, approved signs or both shall be installed and maintained where required by the fire code official.
**503.2.7 Grade.** The grade of the fire apparatus access road shall be within Eagle County Land Use Regulations (ECLUR) Article 4: Site Development Standards, Division 4-6: Improvement Standards, Section 4-620 Roadway Standards for all roadway and driveway access approvals.
**506.1 Key Boxes -** Where required. All commercial and residential structures with a monitored fire alarm system that summons the fire department shall have a key box known as a Knox box installed in an approved location, where access to or within a structure or an area is restricted because of secured openings or where immediate access is necessary for life-saving or fire-fighting purposes. The Knox box shall be of an approved type listed in accordance with UL 1037, and shall contain keys to gain necessary access as required by the fire code official. Commercial structures shall have a Knox box that holds no less than 50 keys unless a different size is authorized by the fire official.
**508.1 General**. A Fire Command Center shall be required in buildings, structures, or facilities that are more than 4 stories (including basements) in height or are greater than 50,000 square feet (4645msq.) within surrounding exterior walls. (Delete "Where required by other sections of this code and in all buildings classified as high-rise buildings by the *International Building Code,* a) The *fire command center* for fire department operations shall be provided and shall comply with Sections 508.1.1 through 508.1.6.
**510.1 Emergency responder radio coverage in new buildings.** All new buildings shall have approved radio coverage for emergency responders within the building based upon the existing coverage levels of the public safety communication systems of the jurisdiction at the exterior of the building. This section shall not require improvement of the existing public safety communication systems.
**Chapter 6 – Building Services and Systems**
**603.8.2 Spark arrestor.** Incinerators shall be equipped with an effective means for arresting sparks. Chimneys used with fireplaces or heating appliances in which solid fuel is used shall be maintained with an effective means of spark arrestor.
**603.6.6 Chimneys & Heating Appliances.** Chimneys and fireboxes for solid, fuel burning appliances shall be inspected annually by a qualified individual or company. They shall be inspected for soundness, corrosion, proper support, and freedom from combustible deposits. A certificate of inspection in a form acceptable to the fire code official shall be forwarded to the fire department upon completion.
**603.9 Gas** & Utility meters. Above-ground gas & utility meters, regulators and piping subject to damage shall be protected by a barrier complying with Section 312 or otherwise protected in an *approved* manner. Gas & utility meters and piping shall be protected from snow & ice shedding from a roof area. Snow & ice build-up around gas & utility meters shall be kept clear at all times.
**607.9 Communication.** All elevators shall be equipped with two way communication equipment and the equipment shall be operable at all times.
**Chapter 9 – Fire Protection Systems**
**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 installed throughout a building for complete protection such installed system meets the applicable requirements of this code and the *International Building Code.*

**901.4.3 Fire areas.** Where buildings, or portions thereof, constructed under the International Building Code are divided into *fire areas* so as not to exceed the limits established for requiring a *fire protection system* in accordance with this chapter, such *fire areas* shall be separated by *fire barriers* constructed in accordance with Section 707 of the *International Building Code* or *horizontal assemblies* constructed in accordance with Section 711 of the *International Building Code,* or both, having a fire-resistance rating of not less than that determined in accordance with Section 707.3.10 of the *International Building Code.*

**901.9 Termination of monitoring service.** For fire protection systems required to be monitored by this code, notice shall be made to the *fire code official* whenever alarm monitoring services are terminated. Notice shall be made in writing, to the *fire code official* by the monitoring service provider being terminated.

**901.11 Responding to Nuisance Alarms.** Nuisance alarms are defined as "an alarm caused by 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 system not being offline during repair, test or inspection will fall under nuisance alarm.

If ERFPD responds to two or more nuisance alarms within a calendar year, the property owner/manager can be fined by ERFPD for each offense. Fines shall be as follows:

1st Offense: $0
2nd Offense: $150
3rd Offense: $200
4th Offense: $300
5th Offense: $500

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

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

**903.2.1 Group A.** An *automatic sprinkler system* shall be provided throughout buildings used as Group A occupancies as provided in this section.

**903.2.2 Ambulatory care facilities.** An *automatic sprinkler system* shall be installed throughout the entire building containing an ambulatory care facility where either of the following conditions exist at any time:

1. Four or more care recipients are incapable of self-preservation, whether rendered incapable by staff or staff has accepted responsibility for care recipients already incapable.
2. One or more care recipients that are incapable of self-preservation are located at other than the level of exit discharge serving such a facility.

**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 m2) in area.
2. Throughout every portion of educational buildings above and below *level of*

*exit discharge* serving that portion of the building.
**903.2.13 Buildings Constructed under the International Residential Code**. An automatic sprinkler system installed in accordance with Section 903.3.1.3 shall be provided throughout all detached one and two-family dwellings and multiple singlefamily dwellings (townhouses), complying with the requirements of the International Residential Code, whose total aggregate fire area exceeds 6,000 square feet (557 square meters).
Exception: Unless otherwise required by more restrictive local codes, policies, amendments, ordinances or plat notes.
**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 systems shall be electrically supervised by a *listed* fire alarm control unit.
Exceptions:
1. *Automatic sprinkler systems* protecting one- and two family *dwellings.*
**905.3.1 Height.** Class I standpipe systems shall be installed throughout buildings where the floor level of the highest story is located more than 20 feet (6035 mm) above the lowest level of the fire department vehicle access, or where the floor level of the lowest story is located more than 20 feet (6035 mm) below the highest level of fire department vehicle access.
**905.3.1.1 Building Area.** In buildings exceeding 10,000 sq. ft. (929 sq. m.) within surrounding exterior walls, an approved Class I standpipe system shall be provided where any portion of the building's interior is more than 150 feet (46 m) of travel, vertically and/or horizontally, from the nearest point of fire department vehicle access.
**907.2 Where required-new buildings and structures.** An approved fire alarm system installed in accordance with the provisions of this code and NFPA 72 shall be provided in new buildings and structures in accordance with Sections 907.2.1 through 907.2.23 and provide occupant notification in accordance with Section 907.5, unless other requirements are provided by another section of this code. One manual fire alarm box shall be provided at all designated exits in an approved location to initiate a fire alarm signal for fire alarm systems employing automatic fire detectors or waterflow detection devices. Where other sections of this code allow elimination of fire alarm boxes due to sprinklers, fire alarm boxes shall be installed at all designated exits.
Exceptions:
1. The manual fire alarm box is not required for fire alarm systems dedicated to elevator recall control and supervisory service.
**907.6.6 Monitoring.** Fire protection 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 1-3 occupancies.
**Chapter 11 – Construction Requirements for Existing Buildings**
**1101.2 Intent.** The intent of this chapter is to provide a minimum degree of fire and life safety to persons occupying existing buildings by providing minimum construction requirements where such existing buildings do not comply with the minimum

requirements of the International Building Code. The 2015 International Existing Building Code can be used as a reference guide for existing buildings to provide direction when the provisions of this chapter are unclear.

**3103.2 Approval required.** Tents and membrane structures having an area in excess of 400 square feet (37 m2) shall not be erected, operated or maintained for any purpose without first obtaining a permit and approval from the *fire code official.*

Exceptions:

1. Tents used exclusively for recreational camping purposes.
2. Tents open on all sides that comply with all of the following:

2.1. Individual tents shall have a maximum size 400 square feet.

2.2. The aggregate area of multiple tents placed side by side without a fire break clearance of not less than 12 feet (3658mm) shall not exceed 400 square feet