

**FREDERICK-FIRESTONE  
FIRE PROTECTION  
DISTRICT**



**Community Risk Reduction  
Division**

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## **Planning Guide for Developments**

### **Plan Reviews:**

1. A Plan Review/Fire Permit Application must be completed at the time of submittal. All applicable project review fees must be paid before the plan review will be completed.

**NOTE:** All project drawings must be reviewed, stamped and signed by a State of Colorado licensed engineer or architect, with a specialization in fire protection.

2. A Fire Code Analysis Report will need to be provided by the reviewing engineer or architect. The Fire Code Analysis Report must include the following information:

- Total project square footage
- Total building square footage
- Building construction type RE: (Type I-V)
- Occupancy classification
- Design code year
- Specific fire alarm or fire suppression systems information

3. Three full sets of signed and stamped project drawings will need to be provided at the time of submittal.

- a. One set of project drawings will be submitted to the Frederick-Firestone Fire Protection District Fire Protection Engineer for review and comment. This set will not be returned.
- b. The additional 2-sets will be for the Frederick-Firestone Fire Protection District Fire Marshal's office. After all the project drawings, have been reviewed and accepted, 1-set of stamped and signed project drawings will be returned to the submitting contractor. This set of project drawings will be the accepted project construction drawings. A copy of these project drawings and the issued Fire Permit will need to be available at the job site for inspection and review by Frederick-Firestone Fire Protection District inspection personnel.

**NOTE:** The Fire Permit will be issued, and one set of accepted project drawings will be returned only after the final review has been completed and accepted by the Frederick-Firestone Fire Protection District, Fire Marshal. Construction for the project will not be allowed to begin until all required project drawings and applications have been submitted.

- c. A ten to fourteen business day turnaround is required for our Fire Protection Engineer to complete the plan review.

### **Fire Code and Standards:**

- Town of Firestone – 2012 International Fire Code as adopted and amended by the Town of Firestone.
- Town of Frederick – 2012 International Fire Code as adopted and amended by the Town of Frederick.
- Weld County Property located in the Frederick-Firestone Fire Protection District – 2012 International Fire Code
- NFPA101, Life Safety Code, Reference Only  
**NOTE:** All Licensed Healthcare Facilities are required to meet the NFPA 101 Life Safety Code as required by the State of Colorado Department of Health & Environment.
- All current applicable NFPA Codes and Standards
- All current applicable State of Colorado Regulations and Standards for Oil and Gas Wells

**Fire Department Access:**

- 2012 International Fire Code, Chapter 5, Section 503 *Fire Apparatus Access Roads*
- 2012 International Fire Code, Appendix D of *Fire Apparatus Access Roads*

**NOTE:** All “Imminent Travel Lanes” for all residential projects will need to be 20’ that is unobstructed. All “Imminent Travel Lanes” for all commercial projects will need to be 26’ that is unobstructed.

**Address Numerals:**

- 2012 International Fire Code, Chapter 5, Section 505 *Premise Identification*
- Address numerals shall be visible from the street fronting the property, and posted with a minimum of 4” numerals mounted on a contrasting background.

**Security Key Box:**

- 2012 International Fire Code, Chapter 5, Section 506 *Key Boxes*
- A Security Key Box (KNOXBOX) is required to be mounted on the front of every new commercial building that is constructed with a fire alarm or a fire suppression system located in the Frederick-Firestone Fire Protection District.

**NOTE:** Large commercial properties will require more than one Security Key Box

**Water Supply:**

- 2012 International Fire Code, Chapter 5, Section 507 *Fire Protection Water Supplies*
- All new fire hydrants are to be approved by the Town of Frederick Engineering Department and the Town of Firestone Engineering Department.
- Fire hydrants shall be placed no more than 80 feet from the Fire Department Connection (FDC).
- Fire hydrant placement shall be spaced as directed in the 2012 International Fire Code, Appendix C, *Fire Hydrant Locations and Distribution*

**NOTE:** Spacing for Single Family residential communities will be a maximum of 500 feet. Spacing for Multi-Family residential communities will be reviewed under the commercial section of the 2012 International Fire Code.

**Fire Flow Requirements:**

- 2012 International Fire Code – Appendix B, *Fire-Flow Requirements for Commercial Buildings*
- A fire-flow analysis report shall be provided for the project.

**Residential Fire Sprinkler Systems:**

- Residential Fire Sprinklers may be required for all Single-Family Homes if travel distances are greater than 1000' from a fire hydrant or if no fire hydrant exists for fire protection.
- A minimum of 1000 GPM for 1 hour is required for homes not larger than 3600 SF. Single Family Homes greater than 3600 SF will be reviewed from the 2012 International Fire Code, Appendix B *Fire Flow Requirements for Buildings* to determine the required fire flows.

**Review Package Checklist:**

- Completed Plan Review/Fire Permitting Application.
- Pay all applicable review and permitting fee's
- Engineering report, signed and stamped
- Site Plan drawing submittal, signed and stamped
- Fire-Flow Analysis Report
- Architectural drawing submittal, signed and stamped
- Engineered drawings, signed and stamped, 3-sets
- Fire Alarm shop drawings and data cut sheets, signed and stamped, 3-sets
- Underground fire line drawings and data cut sheets, signed and stamped, 3-sets
- Copies of Division of Fire Prevention and Control Fire Suppression and underground Fire Line Contractor Registrations.
- Fire Sprinkler shop drawings and data cut sheets, signed and stamped, 3-sets

If you have any further questions, please contact the *Fire Prevention Office* at 303-833-2742.