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## **Planning Guide for Developments in the Frederick-Firestone Fire Protection District**

### **Plan Reviews:**

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, with a specialization in fire protection.

A Fire Code Analysis Report will need to be provided by the reviewing engineer. 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)
- Design code year
- Specific fire alarm or fire suppression systems information

Three full sets of signed and stamped project drawings will need to be provided at the time of submittal. 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. 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 approved, 1-set of stamped and signed project drawings will be returned to the submitting contractor. This set of project drawings will be the approved 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 approved project drawings will be returned only after the final review has been completed and approved by the Frederick-Firestone Fire Protection District Fire Marshal. Construction will not be allowed to begin until all required project drawings and applications have been submitted.

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 Frederick – 2006 International Fire Code

Town of Firestone – 2006 International Fire Code

Weld County Property located in the Frederick-Firestone Fire Protection District – 2006 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 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:**

2006 International Fire Code, Chapter 5, Section 503

2006 International Fire Code, Appendix D of the

**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:**

2006 International Fire Code, Chapter 5, Section 505

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:**

2006 International Fire Code, Chapter 5, Section 506

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.

**Water Supply:**

2006 International Fire Code, Chapter 5, Section 506

All new fire hydrants are to be Mueller Hydrants, AWWA C502. Red in color.

Fire hydrants placement shall be spaced as directed in the 2006 International Fire Code, Appendix C.

**NOTE:** Spacing for Single Family residential communities will be at 500 feet.

**NOTE:** Spacing for Multi-Family residential communities will be at 300 feet. These projects will be reviewed under the commercial section of the 2006 International Fire Code.

Fire hydrants shall be placed no more than 80 feet from the Fire Department Connection (FDC).

**Fire Flow requirements:**

2006 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 are required for all Single Family Homes, if travel distances are great than 1000' from a fire hydrant, or if no fire hydrant exists for fire protection. Residential Fire Sprinklers are required for single family homes with square footages greater than 3600 total square footage of living space. Installation to be completed as directed in NFPA13D or NFPA 13R standard.

**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
- Fire Sprinkler shop drawings and data cut sheets, signed and stamped, 3-sets

If you have any further questions please contact me at 303-833-2742 x 10.

Thank you,

David P. Puccetti  
Division Chief/Fire Marshal  
Frederick-Firestone Fire Protection District  
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