



ALPINE FIRE PROTECTION DISTRICT

FIRE PREVENTION POLICY MANUAL

REVISED

01/14

STANDARD

Boz Pl
FIRE CHIEF APPROVAL

3-31-2014

EFFECTIVE DATE

13

When required by the above conditions, a hydrostatic test of two hundred (200) PSI, for two (2) hours or as indicated shall be conducted and witnessed by the Fire Department. The sprinkler piping or components shall be installed in such a manner that there will be no visible leakage when the system is subjected to the hydrostatic test.

Existing automatic fire sprinkler systems that have been modified with the addition or replacement of system risers, mains, branch lines and other equipment such as fire pumps and similar equipment shall be hydrostatically tested with water, not air, at 200 PSI for a 2-hour test period. No loss of pressure or water leakage is permitted in the system.

If the new alterations, modifications, or additions, or additions are to be isolated from the existing system during the hydrostatic test, the point of connection to the existing system must be subjected to the hydrostatic test pressure. This can be accomplished by cutting and capping each individual line where the improvement is being performed, then tie back into the other suites. You can isolate these lines in the design process.

In many cases, separating new work from existing work is difficult. The Technical Committee on Sprinkler Systems Installation Criteria believes that to require the entire system to undergo another hydrostatic test when only relatively minor changes are made is unreasonable. When new portions of a system cannot be isolated, such as relocated drops, NFPA 13 provides some flexibility and permits hydrostatic tests to be conducted at the system's normal static pressure. In general, existing portions of the system do not need to be subjected to a new hydrostatic test.

A final inspection of the alterations, modifications or additions is required. The hydrostatic test and final inspection may be conducted at the same time, so long as all work is complete and visible.

The requirements listed above are minimum requirements of the Alpine Fire Protection District and any requests for use of alternate methods or exemption from requirements require approval of the Fire Marshal prior to the test or inspection date.

Alpine Fire Protection District shall witness the 2-hour inspection test. The fire inspector may ask the job superintendent to witness the pressure test when it commences and has achieved the required pressure. After the 2-hour duration, a member of the Fire Prevention Division shall inspect and determine the acceptability of the test.

All applicable test and/or inspection fees shall be paid a minimum of twenty-four (24) hours prior to the desired date of the test.

Contact the Alpine Fire Protection District at (619) 445-2635 to schedule tests a minimum of twenty-four (24) hours prior to the desired test date.

TENANT IMPROVEMENTS TO AUTOMATIC FIRE SPRINKLER SYSTEMS