

City of Henderson
**Fire Safety Engineering
Informational Bulletin**

Issue 118

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HYDROSTATIC TESTING OF SPRINKLER REMODELS

This bulletin is to clarify the requirements for hydrostatic testing of modifications to existing fire sprinkler piping systems in accordance with NFPA 13 Section 25.2.1.4. Keeping in mind that hydrostatic testing is primarily a workmanship test and not a materials performance test.

- **Where modification is made that affects more than 20 sprinklers or includes modifications to or the addition of any bulk or cross main, the new portion and/or main shall be isolated and tested at not less than 200 psi for 2 hours.**
- **If the modification/addition of more than 20 sprinklers includes the installation of 6 or more mechanical tees to supply 1" pipe (armovers/drops) and fittings, then the system shall be hydrostatically tested at 50 psi over normal static working pressure as measured at the pressure gauge on the system riser.**
- **Where modification is made that affects 20 or less sprinklers, or if the modification/addition of more than 20 sprinklers includes only the installation of 1" pipe (armovers/drops) and fittings from existing 1" outlets, then the system shall be tested at the normal static working pressure.**



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