



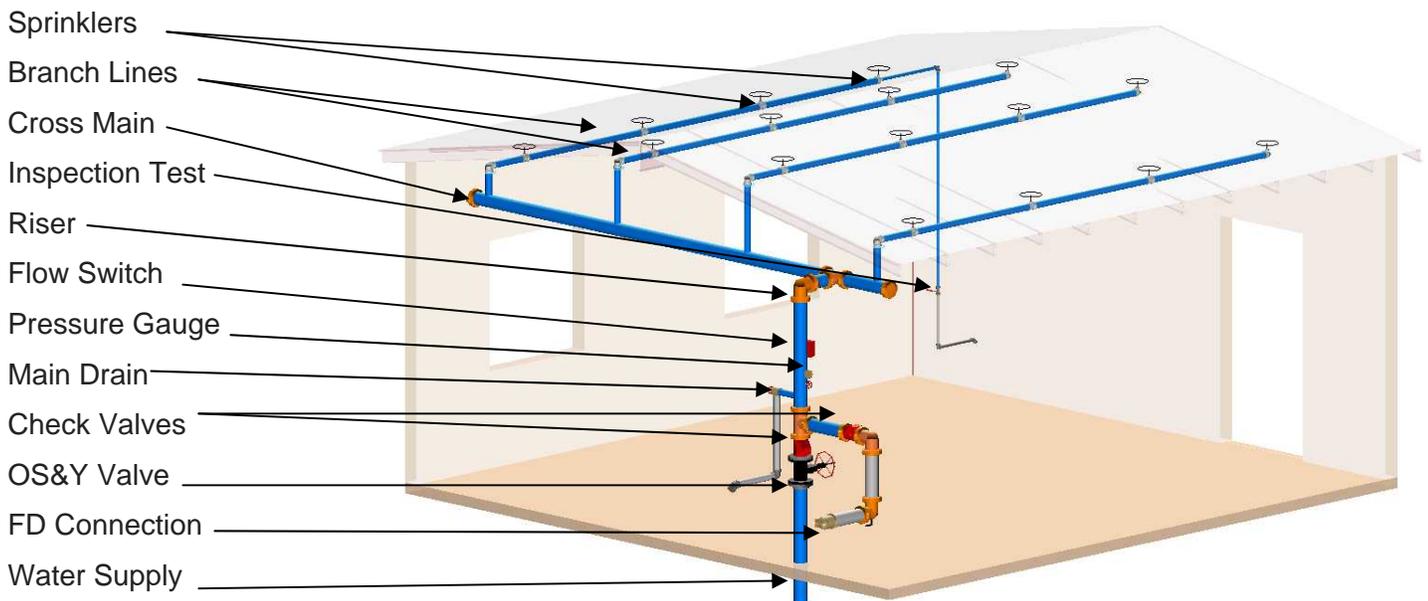
QUICK RESPONSE

*Saving life and property through effective licensing, plan review,
and inspection of fire protection systems.*

February 2006

Welcome to the first edition of our **Quick Response** newsletter; this is a new project of the Minnesota State Fire Marshal Division's Fire Protection Section. Each month, we intend to provide a **Quick Response** newsletter on an issue or topic related to fire protection systems or equipment. The intent of this newsletter is to provide information for code officials, contractors, and the general public. In our first issue, we want to focus on some sprinkler system basic information. In future editions of **Quick Response**, we will be providing more detailed information on individual sprinkler system components and common questions.

Below is a drawing of a fairly simple wet-pipe sprinkler system with its individual components identified. This would be an example of the most basic type of system that would be installed in a building.



Automatic sprinkler systems have proven to be highly effective. In a report from the National Fire Protection Association from August, 2005, sprinklers were shown to reduce fire deaths and fire damage:

Type of Occupancy	Reduction in Fire Deaths	Reduction in Fire Loss
Assembly	100%	70%
Health Care	75%	64%
Residential	78%	42%
Retail Stores & Offices	74%	50%
Manufacturing	60%	67%

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