211000 Water-Based Fire Suppression Systems

Sections Included In This Standard:
1.1 General Requirements
1.2 Fire Protection Piping
1.3 Dry Pipe Sprinkler Systems
1.4 Pressure Testing

1.1 GENERAL

Concealed sprinklers are not permitted without specific approval from EH&S.

1.2 FIRE PROTECTION PIPING

A. SPRINKLER PIPING

1. Wet sprinkler piping shall be schedule 40 black pipe or as approved by NFPA and code. Schedule 10 shall be the minimum allowable thickness.

2. Dry pipe sprinkler piping shall be seamless schedule 40 galvanized with galvanized fittings.

3. Color: Paint all exposed sprinkler piping except galvanized, fire engine red.

B. FIRE HYDRANTS: Refer to Section 331000 1.3 for the requirements relating to hydrants.

1.3 DRY PIPE SPRINKLER SYSTEMS

A. Dry pipe sprinkler systems shall have a drainage valve (or valves) piped to waste. Location of the drainage valve(s) shall be clearly marked on the as-built drawings.

B. Install drains at low points of system; with valves and piping to exterior.

1.4 FIRE PROTECTION SYSTEMS

Pressure Testing: All fire water systems shall be tested for two hours at 200 psi according to NFPA 24. Pressure test shall be inspected and approved by UF EH&S and PPD. All testing shall be performed to ASTM Standards.

END OF SECTION