

PART 1 - GENERAL

1.1 REFERENCES

- .1 American National Standards Institute/National Fire Prevention Association (NFPA)
 - .1 NFPA 13-2016, Standard for the Installation of Sprinkler Systems, edition recognized by authority having jurisdiction.
 - .2 NFPA 20-2016, Standard for the Installation of Stationary Pumps for Fire Protection.
 - .3 NFPA 25-2014, Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems.

1.2 QUALITY ASSURANCE

- .1 Qualifications:
 - .1 Installer: certified journey person in wet sprinkler systems with ten (10) years documented experience approved by manufacturer.
- .2 Health and Safety:
 - .1 Do construction occupational health and safety in accordance with Section 01 35 29 – Health and Safety Requirements.

PART 2 – PRODUCTS

- .1 Not applicable

PART 3 – EXECUTION

3.1 MANUFACTURER'S INSTRUCTIONS

- .1 Compliance: comply with manufacturer's written recommendations or specifications, including product technical bulletins, handling, storage and installation instructions, and datasheet.

3.2 INSTALLATION

- .1 Install, inspect and test to acceptance in accordance with NFPA 13, NFPA 25, or the authority having jurisdiction, whichever is more stringent.

3.3 PIPE INSTALLATION

- .1 Install piping straight and true to bear evenly on hangers and supports. Do not hang piping from plaster ceilings as required by NFPA 13.
- .2 Keep interior and ends of new piping and existing piping thoroughly cleaned of water and foreign matter.
- .3 Keep piping systems clean during installation by means of plugs or other approved methods. When work is not in progress, securely close open ends of piping to prevent entry of water and foreign matter.
- .4 Inspect piping before placing into position.
- .5 Parts of the sprinkler system will require draining and refill to all modifications and replacement of exterior building cladding.

3.4 FIELD PAINTING EXPOSED PIPING

- .1 Field painting is not the responsibility of the sprinkler contractor.

3.5 FIELD QUALITY CONTROL

- .1 Site Test, Inspection:
 - .1 Perform test to determine compliance with NFPA 25 and specified requirements in presence of Departmental Representative.
 - .2 Preliminary Tests:
 - .1 Hydrostatically test each system at 1400 kPa for a two (2) hour period with no leakage or reduction in pressure.
 - .2 Flush piping with potable water in accordance with NFPA 13.
 - .3 Formal Tests and Inspections:
 - .1 Do not submit request for formal test and inspection until preliminary test and corrections are completed and approved.
 - .2 Submit written request for formal inspection at least 15 days prior to inspection date.
 - .3 Repeat required tests as directed.
 - .4 Correct defects and make additional tests until systems comply with contract requirements.
 - .5 Furnish appliances, equipment, instruments, connecting devices, and personnel for tests.
 - .6 Authority of Jurisdiction, will witness formal tests and approve systems before they are accepted.

3.6 CLEANING

- .1 Upon completion and verification of performance of installation, remove surplus materials, excess materials, rubbish, tools and equipment.

END OF SECTION