

1 GENERAL

1.1 The work of this section includes the provision of all design, labour, materials, equipment and services required to fabricate and install standard foundations as required for a complete project. The work includes, but is not necessarily limited to, the items referenced herein:

1.1.1 Standpipe and hose system.

1.2 Reference Standards: *[ANSI/NFPA 14-96]* Installation of Standpipe and Hose System.

2 DESIGN

2.1 Provide hydraulic design of standpipe and hose system by a Fire Protection Contractor thoroughly familiar with designing systems of this type and certified by Factory Mutual.

2.2 Design system for a minimum pressure of 2065 kPa.

2.3 System Type: wet, automatic. Hydraulically sized.

3 MATERIALS

3.1 Pipe and Fittings: in accordance with *[NFPA-14]*. Approved Victaulic fitting may also be used.

3.2 Valves, Hoses and Cabinets:

3.2.1 Valves to suit Class, capable of a minimum pressure of 2065 kPa.

3.2.2 Hoses: collapsible type – if required by authorities.

3.2.3 Cabinets: fully recessed mounted, ferrous 1.6 mm thick cabinet with 2.5 mm ferrous door. Provide safety glass. Provide hose rack to accommodate length of hose if required. Size cabinet to allow for the storage of one 9 kg ABC type fire extinguisher.

3.3 Fire Department Connection: minimum 2 - 63 mm internal threaded swivel fittings with NM standard threads. Provide caps.

4 INSTALLATION

4.1 Install vertical piping plumb with structure.

4.2 Slope horizontal piping to allow for drainage.

4.3 Install drain pipes and valves to allow system to be totally drained.

4.4 Completed system test to be witnessed by authority having jurisdiction.

- 4.5. Provide booster pumps if required to ensure flow rate and pressure at most remote stations.
- 4.6. Provide fire department connection suitable for the system design pressure.

End of Section