Part 1 General

1.1 References

.1 American National Standards Institute/National Fire Prevention Association (ANSI/NFPA)

.1 ANSI/NFPA 13-2002, Installation of Sprinkler Systems

.2 Underwriters Laboratories of Canada (ULC)

.1 ULC S543-1984, Internal Lug Quick Connect Couplings for Fire Hose.

1.2 Shop Drawings and Product Data

.1 Submit shop drawings and product data in accordance with Section 01330 – Submittal Procedures and in accordance with ANSI/NFPA 13, working plans and design requirements.

1.3 Engineering Design Criteria

.1 Design system in accordance with ANSI/NFPA 13, using following parameters:

.1 Hazard:

.1 To suit occupancy as indicated.

.2 Pipe size and layout:

.1 Hydraulic design.

.2 Sprinkler head layout: to ANSI/NFPA 13 and as directed by authorities having jurisdiction.

.3 Zoning:

.1 System zoning as indicated.

1.4 Closeout Submittals

.1 Provide maintenance data for incorporation into manual specified in Section 01780 – Closeout Submittals.

1.5 Extra Materials

.1 Provide maintenance materials in accordance with Section 01780 – Closeout Submittals.

Part 2 Products

2.1 Pipe, Fittings and Valves

.1 Pipe

.1 Ferrous: to ANSI/NFPA 13.

.2 Fittings and joints to ANSI/NFPA 13:

.1 Ferrous: screwed, welded, flanged or roll grooved.

.3 Valves:

.1 ULC listed for fire protection service.
.2 Up to NPS 2: bronze, screwed ends, OS& Y; gate.
.3 NPS 2 ½ and over: cast iron, flanged or roll grooved ends, indicating butterfly valve.
.4 Swing check valves.
.5 Ball drip.

.4 Pipe hangers:

.1 ULC listed for fire protection services.

2.2 Sprinkler Heads

.1 General: to ANSI/NFPA 13 and ULC listed for fire services.

2.3 Sprinkler Head Type A

.1 Upright bronze.

Part 3 Execution

3.1 Installation

.1 Install, inspect and test to acceptance in accordance with ANSI/NFPA 13.

.2 Testing to be witnessed by the Engineer and the authority having jurisdiction.

END OF SECTION