

SECTION 15375 - STANDPIPE AND HOSE

City of San Diego, CWP Guidelines

PART 1 -- GENERAL

1.1 WORK OF THIS SECTION

- A. The WORK of this Section includes providing wet or dry standpipe, fire hose cabinet and hose, and fire department connection for building fire protection system.

1.2 RELATED SECTIONS

- A. The WORK of the following Sections applies to the WORK of this Section. Other Sections of the Specifications, not referenced below, shall also apply to the extent required for proper performance of this WORK.

- 1. Section 15020 Pipe Supports
- 2. Section 15310 Fire Protection Piping
- 3. Section 15330 Wet-Pipe Sprinkler System
- 4. Section 15365 Halon Agent Extinguishing System
- 5. Section 15380 Fire Pumps

1.3 CODES

- A. The WORK of this Section shall comply with the current editions of the following codes as adopted by the City of San Diego Municipal Code:

- 1. Uniform Fire Code
- 2. National Electrical Code

1.4 SPECIFICATIONS AND STANDARDS

- A. Except as otherwise indicated, the current editions of the following apply to the WORK of this Section:

- 1. NFPA 14 Installation of Standpipe and Hose Systems

1.5 SHOP DRAWINGS AND SAMPLES

- A. The following shall be submitted in compliance with Section 01300:

- 1. Description of supports, components, and accessories showing sizes.
- 2. Product data shall be submitted to [authority having jurisdiction] [Fire Marshal] for approval. Proof of approval shall be submitted to CONSTRUCTION MANAGER.

1.6 OWNER'S MANUAL

- A. The following shall be included in the OWNER'S MANUAL in compliance with Section 01300:

- 1. Valve data, servicing requirements, and test schedule.

1.7 PRODUCT DELIVERY, STORAGE, AND HANDLING

- A. **Delivery of Materials:** Products shall be delivered in original, unbroken packages, containers, or bundles bearing the name of the manufacturer.
- B. **Storage:** Products shall be carefully stored in a manner that will prevent damage and in an area that is protected from the elements.

PART 2 -- PRODUCTS

2.1 GENERAL

- A. The WORK of this Section shall comply with the following:
 - 1. [NFPA 14] [] for standpipe and hose system.
 - 2. Equipment and components shall bear [UL] [FM] [] label or marking.

2.2 PIPING MATERIAL

- A. Piping material shall comply with the following:
 - 1. Buried Piping: [Cast] [Ductile] iron.
 - 2. Above Ground Inside Building: [Steel, Schedule [] [black] [galvanized.] [Copper tube; Type []].
- B. Pipe and appurtenances shall be supported in accordance with Section 15020.

2.3 PIPING SPECIALTIES

- A. Piping specialties shall include the following:
 - 1. Automatic Alarm Valve: Flow detector with alarm circuits, pressure switch and pressure retard chamber.
 - 2. Alarm Gong: [Water] [Electrical] type.

2.4 EQUIPMENT

- A. Equipment shall include the following:
 - 1. Hose Cabinet: Formed [steel] [] construction, [prime painted;] [recessed] [semi-recessed] [surface] mounted; 16 gauge thick with 12 gauge thick door; door style [flush,] [glazed,] hinged, positive latch device, prepared for pipe and accessory rough-in.
 - 2. Hose Rack: [Cast steel;] [] polished chrome finish; [swivel] [stationary] type with pins and water stop.
 - 3. Hose: [50] [75] [100] [] feet of [unlined linen] [latex lined linen] [rubber lined synthetic] [] hose; mildew and rot-resistant.

4. Nozzle: [Brass,] [], chrome plated; combination fog-straight stream and adjustable shut-off nozzle.
5. Angle Valve: [Hydrolater] [] type, [1-1/2] [] inch nominal size [complying with Section []].
6. Fire Department Outlet Connections: [Standard wall] [Flush mounted wall] [Free standing] type; [ductile iron,] [brass,] [chrome plated] finish; [1-1/2] [and] [2-1/2] inch size, thread to match fire department hardware, [300] [] psig working pressure, threaded cap and chain of same material and finish.
7. Fire Department Inlet Connection: [Standard wall] [Flush mounted wall] [Free standing] type; [ductile iron,] [brass,] [chrome plated] [] finish; [2-1/2] [] inch size, thread to match fire department hardware, automatic drip [connected to drain,] [two] [] way threaded dust cap and chain of same material and finish, marked "Standpipe - Fire Department Connection."
8. External Fire Department Devices: [Pressure actuated] [Flow actuated] electrical switch for [two] [] circuits.

PART 3 -- EXECUTION

3.1 GENERAL

- A. **General:** Products and equipment shall be installed in accordance with the manufacturer's written installation instructions.

3.2 INSTALLATION

- A. Hose cabinet shall be installed plumb with top of cabinet (inside horizontal) surface [] inches above finished floor.
- B. Angle valves shall be located in cabinet at [60] [] inches above floor. [Fire department connection shall be located below angle valve and not closer than 4 inches from side or bottom of cabinet.]
- C. Wet standpipe system shall be connected to water source ahead of domestic water connection.
- D. Where static pressure exceeds [100] [] psi at any hose station, pressure reducing valve shall be installed to prevent pressure on hose exceeding [90] [] psi.
- [E. Two-way fire department outlet connection shall be installed on roof.]
- [F. Alarm [and supervisory] control shall be connected to building alarm system.]

3.3 CLEANING

- A. Entire system shall be flushed of foreign matter.

3.4 SYSTEM TEST

- A. System shall be hydrostatically tested in accordance with NFPA 14.
- B. Test shall be witnessed by [Fire Marshal.] [authority having jurisdiction.] [CONSTRUCTION MANAGER.]

** END OF SECTION **