

SECTION 21 1200 - FIRE SUPPRESSION STANDPIPES

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Standpipe system.
- B. Fire department connection.

1.02 RELATED SECTIONS

- A. Drawings and General Provisions of the Contract apply to this section.

1.03 REFERENCES

- A. FM P7825 - Approval Guide; Factory Mutual Research Corporation; current edition.
- B. ITS (DIR) - Directory of Listed Products; Intertek Testing Services NA, Inc.; current edition.
- C. NFPA 14, 2007 - Standard for the Installation of Standpipe and Hose Systems; National Fire Protection Association.
- D. UL (FPED) - Fire Protection Equipment Directory; Underwriters Laboratories Inc.; current edition.

1.04 SUBMITTALS

- A. Product Data: Provide manufacturer's catalog sheet for equipment indicating rough-in size, finish, and accessories.
- B. Shop Drawings: Indicate supports, components, accessories, and sizes.
 - 1. Submit shop drawings and product data to Owner's insurance underwriter for approval.
 - 2. Submit proof of approval to Architect.
- C. Project Record Documents: Record actual locations of components.
- D. Operation Data: Include manufacturer's data.
- E. Maintenance Data: Include servicing requirements and test schedule.
- F. Certificates: Provide certificate of compliance from authority having jurisdiction indicating approval of field acceptance tests.

1.05 QUALITY ASSURANCE

- A. Perform Work in accordance with NFPA 14, 2007. Maintain minimum of one copy on site.
- B. Installer Qualifications: Company specializing in performing the work of this section with minimum three years documented experience.

1.06 PRE-INSTALLATION MEETING

- A. Convene one week before starting work of this section.

1.07 DELIVERY, STORAGE, AND PROTECTION

- A. Deliver and store products in shipping packaging until installation.

1.08 EXTRA MATERIALS

- A. Provide two extra 2-1/2-inch angle valves and FDC screw on caps.

PART 2 - PRODUCTS

2.01 FINE HOSE VALVES

- A. Hose Connection Valve: Angle type; brass finish; 2-1/2 inch size, thread to match fire department hardware, 300 psi working pressure, with threaded cap and chain of same material and finish. Consult with the Fire Marshal for the type of thread required.

2.02 FIRE DEPARTMENT CONNECTION

- A. Type: Flush mounted wall type with brass finish.
- B. Outlets: Storz type with thread size to suit fire department hardware; threaded dust cap and chain of matching material and finish.
- C. Drain: 3/4 inch automatic drip to outside.
- D. Label: Manual wet "Standpipe and Automatic Sprinkler - Fire Department Connection".

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Install in accordance with NFPA 14, 2007

- C. Where static pressure exceeds 75 psi at any hose station, provide pressure reducing valve to prevent pressure on hose exceeding 90 psi.
- D. Flush entire system of foreign matter.

3.02 FIELD QUALITY CONTROL

- A. Test entire system in accordance with NFPA 14, 2007
- B. Test shall be witnessed by authority having jurisdiction.

END OF SECTION 21 1200