

SECTION 21 11 19
FIRE DEPARTMENT CONNECTIONS

PART 1 - GENERAL

1.1 STIPULATIONS

- A. The specifications sections "General Conditions to the Construction Contract", "Special Conditions" and "Division 01 - General Requirements" form a part of this Section by this reference thereto, and shall have the same force and effect as if printed herewith in full.

1.2 SUMMARY

- A. Section Includes:
 - 1. Flush-type fire-department connection.
 - 2. Storz– type fire department connection.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 - 1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for each fire-department connection.

PART 2 - PRODUCTS

2.1 FIRE-DEPARTMENT CONNECTION

- A. Coordination: Prior to purchase and installation of fire department connection, verify and determine the type, size, location and hose thread the fire department / facility requires.

2.2 FLUSH-TYPE FIRE-DEPARTMENT CONNECTION

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. Elkhart Brass Mfg. Co., Inc.
 - 2. Guardian Fire Equipment, Inc.
 - 3. Potter Roemer LLC.
 - 4. Or equal as approved by the Professional.
- B. Standard: UL 405.
- C. Description -Type: Exposed, freestanding-type fire department connection projecting from floor or finish grade.

- D. Basis of Design: Potter Roemer – Exposed Fire Department Connection – Exposed Hydrant Series - Model 5840 / 5841 / 5843
- E. Pressure Rating: 175 psig minimum.
- F. Body Material: Corrosion-resistant metal.
- G. Inlets: Brass with threads according to NFPA 1963 and matching local fire-department sizes and threads. Include extension pipe nipples, brass lugged swivel connections, and check devices or clappers.
- H. Caps: Brass, lugged type, with gasket and chain.
- I. Escutcheon Plate: Rectangular, brass, wall type.
- J. Outlet: With pipe threads.
- K. Body Style: Horizontal.
- L. Number of Inlets: Two.
- M. Outlet Location: Bottom.
- N. Escutcheon Plate Marking: Similar to "AUTO SPKR & STANDPIPE."
- O. Finish: Polished chrome plated.
- P. Outlet Size: NPS 4.

2.3 STORZ -TYPE FIRE-DEPARTMENT CONNECTION

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. Elkhart Brass Mfg. Co., Inc.
 - 2. Guardian Fire Equipment, Inc.
 - 3. Potter Roemer LLC.
 - 4. Or equal as approved by the Professional.
- B. Standard: UL 405.
- C. Description: Wall mounted Storz type fire department connection with blind cap and chain.
- D. Basis of Design: Potter Roemer – Storz Fire Department Inlet- Series Model 5795-01 thru 06. Example: 5" Storz x 4" NPT, Potter-Roemer No. 5795-02, or approved equal.
- E. Pressure Rating: 175 psig minimum.
- F. Body Material: Corrosion-resistant metal.
- G. Inlets: Brass with threads according to NFPA 1963 and matching local fire-department sizes and threads. Include extension pipe nipples, brass lugged swivel connections, and check device or clapper.

- H. Cap: Brass, lugged type, with gasket and chain.
- I. Escutcheon Plate: Round, brass, wall type.
- J. Outlet: With pipe threads in coordination to match local fire department standard threads.
- K. Inlet: Single 5" Storz
- L. Outlet Location: Back.
- M. Escutcheon Plate Marking: Similar to "AUTO SPKR & STANDPIPE."
- N. Finish: Polished chrome plated.
- O. Outlet Size: NPS 4.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of fire-department connections.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Install wall-type fire-department connections.
- B. Install automatic (ball-drip) drain valve at each check valve for fire-department connection.

END OF SECTION