SECTION 211119 – FIRE DEPARTMENT CONNECTIONS

Revise this Section by deleting and inserting text to meet Project-specific requirements.

1. GENERAL
	* + 1. RELATED DOCUMENTS
				1. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
			2. SUMMARY
				1. Section Includes:

Exposed-type fire-department connections.

Flush-type fire-department connections.

Yard-type fire-department connections.

* + - 1. SUBMITTALS
				1. Submittals for this section are subject to the re-evaluation fee identified in Article 4 of the

General Conditions.

* + - * 1. Manufacturer’s installation instructions shall be provided along with product data.
				2. Submittals shall be provided in the order in which they are specified and tabbed (for

combined submittals).

* + - * 1. Product Data: For each type of product.

Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for each fire-department connection.

1. PRODUCTS
	* + 1. EXPOSED-TYPE FIRE-DEPARTMENT CONNECTION

* + - * 1. [Manufacturers:](http://www.specagent.com/Lookup?ulid=9242) Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

[Elkhart Brass Mfg. Co., Inc](http://www.specagent.com/Lookup?uid=123456916971).

[GMR International Equipment Corporation](http://www.specagent.com/Lookup?uid=123456916974).

[Guardian Fire Equipment, Inc](http://www.specagent.com/Lookup?uid=123456916975).

Approved equivalent.

* + - * 1. Standard: UL 405.
				2. Type: Exposed, projecting, for wall mounting.
				3. Pressure Rating: 175 psig minimum.
				4. Body Material: Corrosion-resistant metal.
				5. 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.
				6. Caps: Brass, lugged type, with gasket and chain.
				7. Escutcheon Plate: Round, brass, wall type.
				8. Outlet: Back, with pipe threads.
				9. Number of Inlets: [**Two**] [**Three**].

Retain first option in "Escutcheon Plate Marking" Paragraph below if standpipes supply a sprinkler system.

* + - * 1. Escutcheon Plate Marking: Similar to **"[AUTO SPKR] [DRY STANDPIPE] [WET STANDPIPE] [AUTO SPKR & STANDPIPE] [STANDPIPE**]."
				2. Finish: [**Polished chrome plated**] [**Rough brass or bronze**] [**Rough chrome plated**].
				3. Outlet Size: [**NPS 4**] [**NPS 5**] [**NPS 6**].
			1. FLUSH-TYPE FIRE-DEPARTMENT CONNECTION

* + - * 1. [Manufacturers:](http://www.specagent.com/Lookup?ulid=9243) Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to the following:

[Elkhart Brass Mfg. Co., Inc](http://www.specagent.com/Lookup?uid=123456916979).

[GMR International Equipment Corporation](http://www.specagent.com/Lookup?uid=123456916980).

[Guardian Fire Equipment, Inc](http://www.specagent.com/Lookup?uid=123456916981).

Approved equivalent.

* + - * 1. Standard: UL 405.
				2. Type: Flush, for wall mounting.
				3. Pressure Rating: 175 psig minimum.
				4. Body Material: Corrosion-resistant metal.
				5. 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.
				6. Caps: Brass, lugged type, with gasket and chain.
				7. Escutcheon Plate: Rectangular, brass, wall type.
				8. Outlet: With pipe threads.
				9. Body Style: [**Horizontal**] [**Square**] [**Vertical**].
				10. Number of Inlets: [**Two**] [**Three**] [**Four**] [**Six**].
				11. Outlet Location: [**Back**] [**Bottom**] [**Left side**] [**Right side**] [**Top**].

Retain first option in "Escutcheon Plate Marking" Paragraph below if standpipes supply a sprinkler system.

* + - * 1. Escutcheon Plate Marking: Similar to **"[AUTO SPKR] [DRY STANDPIPE] [WET STANDPIPE] [AUTO SPKR & STANDPIPE] [STANDPIPE**]."
				2. Finish: [**Polished chrome plated**] [**Rough brass or bronze**] [**Rough chrome plated**].
				3. Outlet Size: [**NPS 4**] [**NPS 5**] [**NPS 6**] [**NPS 8**].
			1. YARD-TYPE FIRE-DEPARTMENT CONNECTION

* + - * 1. [Manufacturers:](http://www.specagent.com/Lookup?ulid=9244) Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to the following:

[Elkhart Brass Mfg. Co., Inc](http://www.specagent.com/Lookup?uid=123456916984).

[GMR International Equipment Corporation](http://www.specagent.com/Lookup?uid=123456916987).

[Guardian Fire Equipment, Inc](http://www.specagent.com/Lookup?uid=123456916988).

Approved equivalent.

* + - * 1. Standard: UL 405.
				2. Type: Exposed, freestanding.
				3. Pressure Rating: [**175 psig minimum**] [**300 psig**].
				4. Body Material: Corrosion-resistant metal.
				5. 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.
				6. Caps: Brass, lugged type, with gasket and chain.
				7. Escutcheon Plate: Round, brass, floor type.
				8. Outlet: Bottom, with pipe threads.
				9. Number of Inlets: [**Two**] [**Three**] [**Four**].
				10. Sleeve: [**Brass**] [**Not required**].
				11. Sleeve Height: 18 inches.

Retain first option in "Escutcheon Plate Marking" Paragraph below if standpipes supply a sprinkler system.

* + - * 1. Escutcheon Plate Marking: Similar to **"[AUTO SPKR] [DRY STANDPIPE] [WET STANDPIPE] [AUTO SPKR & STANDPIPE] [STANDPIPE**]."
				2. Finish **[Including Sleeve**]: [**Polished chrome plated**] [**Rough brass or bronze**] [**Rough chrome plated**].
				3. Outlet Size: [**NPS 4**] [**NPS 5**] [**NPS 6**].
			1. EXPOSED-TYPE FIRE DEPARTMENT CONNECTION. (STORZ CONNECTION)
				1. Standard UL 405.
				2. Type: Exposed, projecting, for [**Wall mounting] [Yard-Type].**
				3. Pressure Rating: **[175 psig minimum] [300 psig].**
				4. Storz Connection: **[Straight] [Angle 30-degree pattern].**
				5. Finish: **[Forged aluminum with powder finish}.**
				6. Escutcheon Plate: **[Round wall type].**
				7. Escutcheon Plate Markings: **[AUTO SPKR] [STANDPIPE] [AUTO SPKR & STANDPIPE].**
				8. Finish: **[Polish chrome plated] [Rough Brass or Bronze] [Rough chrome plated].**
				9. Outlet Size: **[”" NPT x 4” Storz] [4” NPT x 5” Storz] [4” NPT x 6” Storz] [6” NPT x 4” Storz] [6” NPT x 5”].**
1. EXECUTION
	* + 1. EXAMINATION
				1. Examine conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of fire-department connections.
				2. Examine roughing-in for fire-suppression standpipe system to verify actual locations of piping connections before fire-department connection installation.
				3. Proceed with installation only after unsatisfactory conditions have been corrected.
			2. INSTALLATION
				1. Install wall-type fire-department connections.
				2. Install yard-type fire-department connections in concrete slab support. Comply with requirements for concrete in Section 033000 "Cast-in-Place Concrete."
				3. Install [**two**] [**three**] <**Insert number**> protective pipe bollards [**around**] [**on sides of**] each fire-department connection. Comply with requirements for bollards in Section 055000 "Metal Fabrications."
				4. Install automatic (ball-drip) drain valve at each check valve for fire-department connection.

END OF SECTION 211119