

SECTION 10522

FIRE EXTINGUISHERS, CABINETS, AND ACCESSORIES

1 PART 1 GENERAL

1.1 RELATED DOCUMENTS:

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY:

- A. This Section includes the following:
 - 1. Fire extinguishers.
 - 2. Fire extinguisher cabinets.
 - 3. Mounting brackets.

1.3 SUBMITTALS:

- A. General: Submit the following in accordance with Conditions of Contract and Division 1 Specification Sections.
- B. Product data for each type of product specified. For fire extinguisher cabinets include rough-in dimensions, details showing mounting methods, relationships of box and trim to surrounding construction, door hardware, cabinet type and materials, trim style, door construction, panel style, and materials.

1.4 QUALITY ASSURANCE:

- A. Single-Source Responsibility: Obtain fire extinguishers and cabinets from one source from a single manufacturer.
- B. Coordination: Verify that fire extinguisher cabinets are sized to accommodate fire extinguishers of type and capacity indicated.
- C. UL-Listed Products: Fire extinguishers UL-listed and bear UL "Listing Mark" for type, rating, and classification of extinguisher.

2 PART 2 PRODUCTS

2.1 MANUFACTURERS:

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. Allenco.
 - 2. Amerex.
 - 3. Bobrick Washroom Equipment, Inc.
 - 4. JL Industries.

5. Larsen's Manufacturing Co.
6. Potter-Roemer/Div. Smith Industries, Inc.
7. Walter Kidde, Division of Kidde, Inc.
8. Watrous/Div. American Specialties Inc.

2.2 FIRE EXTINGUISHERS

- A. General: Provide fire extinguishers for each extinguisher cabinet and other locations indicated, in colors and finishes selected by Architect from manufacturer's standard, which comply with requirements of governing authorities.
- B. Fill and service extinguishers to comply with requirements of governing authorities and manufacturer.
- C. Multipurpose Dry Chemical Type: UL-rated 2-A:10-B:C, 5-lb. nominal capacity, in enameled steel container.

2.3 MOUNTING BRACKETS:

- A. Provide brackets designed to prevent accidental dislodgment of extinguisher, of sizes required for type and capacity of extinguisher indicated in plated finish.
- B. Provide brackets for extinguishers not located in cabinets.

2.4 FIRE EXTINGUISHER CABINETS:

- A. General: Provide fire extinguisher cabinets where indicated, of suitable size for housing fire extinguishers of types and capacities indicated.
- B. Construction: Manufacturer's standard enameled steel box, with trim, frame, door, and hardware to suit cabinet type, trim style, and door style indicated. Weld all joints and grind smooth. Miter and weld perimeter door frames.
- C. Cabinet Type A: Suitable for mounting conditions indicated, of the following types:
 1. Fully recessed: Cabinet box fully recessed in walls.
 2. Trim Style: Fabricate trim in one piece with corners mitered, welded, and ground smooth.
 3. Exposed Trim: One-piece stainless steel combination trim and perimeter door frame overlapping surrounding wall surface with exposed trim face and wall return at outer edge (backbend).
 - a. Flat Trim with 5/16-inch projection.
 4. Door Material and Construction: Manufacturer's standard door construction, of material indicated, coordinated with cabinet types and trim styles selected.
 - a. Stainless Steel: Manufacturer's standard finish, hollow steel door construction with tubular stiles and rails.
 5. Door Style: Manufacturer's standard design, vertical duo panel with wired glass.
- D. Cabinet Type B: Suitable for mounting conditions indicated, of the following types:

1. Semi-recessed: Cabinet box partly recessed in walls.
 2. Trim Style: Fabricate trim in one piece with corners mitered, welded, and ground smooth.
 3. Exposed Trim: One-piece stainless steel combination trim and perimeter door frame overlapping surrounding wall surface with exposed trim face and wall return at outer edge (backbend).
 - a. Radius Trim with 2-1/2-inch projection.
 4. Door Material and Construction: Manufacturer's standard door construction, of material indicated, coordinated with cabinet types and trim styles selected.
 - a. Stainless Steel: Manufacturer's standard finish, hollow steel door construction with tubular stiles and rails.
 5. Door Style: Manufacturer's standard design, vertical duo panel with wired glass.
- E. Door Hardware: Provide manufacturer's standard door-operating hardware of proper type for cabinet type, trim style, and door material and style indicated. Provide either lever handle with cam action latch, or door pull, exposed or concealed, and friction latch. Provide concealed or continuous-type hinge permitting door to open 180 deg.
- F. Identify fire extinguisher in cabinet with lettering spelling "FIRE EXTINGUISHER" applied to door. Provide lettering to comply with requirements indicated for letter style, color, size, spacing, and location or, if not otherwise indicated, as selected by Architect from manufacturer's standard arrangements.
1. Application Process: Silk screen.
- G. Identify bracket-mounted extinguishers with red letter decals spelling "FIRE EXTINGUISHER" applied to wall surface. Letter size, style, and location as selected by Architect.

2.5 FINISHES FOR FIRE EXTINGUISHER CABINETS, GENERAL:

- A. Comply with NAAMM "Metal Finishes Manual" for recommendations relative to application and designations of finishes.
- B. Provide #4 satin polished finish on stainless steel.
- C. Protect mechanical finishes on exposed surfaces from damage by application of strippable, temporary protective covering prior to shipment.

2.6 STEEL FIRE EXTINGUISHER CABINET FINISHES:

- A. Surface Preparation: Solvent-clean surfaces in compliance with SSPS-SP 1 to remove dirt, oil, grease, and other contaminants that could impair paint bond. Remove mill scale and rust, if present, from uncoated steel in compliance with SSPC-SP 5 (White Metal Blast Cleaning) or SSPC-SP 8 (Pickling).
- B. Baked Enamel Finish: Immediately after cleaning and pretreatment, apply manufacturer's standard 2-coat baked enamel finish consisting of prime coat and

thermosetting topcoat. Comply with paint manufacturer's instructions for application and baking to achieve a minimum dry film thickness of 2.0 mils.

- C. Color and Gloss: Manufacturer's standard color and gloss for cabinet boxes.

3 PART 3 EXECUTION

3.1 INSTALLATION:

- A. Install items included in this section in locations and at mounting heights indicated, or if not indicated, at heights to comply with applicable regulations of governing authorities and ADA.
- B. Prepare recesses in walls for fire extinguisher cabinets as required by type and size of cabinet and style of trim and to comply with manufacturer's instructions.
- C. Securely fasten mounting brackets and fire extinguisher cabinets to structure, square and plumb, to comply with manufacturer's instructions.
- D. Where exact location of surface-mounted cabinets and bracket-mounted fire extinguishers is not indicated, locate as directed by Architect.

END OF SECTION