

SECTION 10522

FIRE EXTINGUISHERS, CABINETS, AND ACCESSORIES

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 extinguisher - See plans for locations.
 - 2. Fire extinguisher cabinets - See plans for locations.
 - 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.
- C. Samples for initial selection purposes in form of manufacture's color charts showing full range of colors available for those units with factory-applied color finishes.

1.04 QUALITY ASSURANCE

- A. Single-Source Responsibility: Obtain fire extinguisher and cabinets from one source from a single manufacturer.
- B. Coordination: Verify that fire extinguisher cabinets are sized to accommodate fire extinguisher specified.
- C. UL-Listed Products; Fire extinguisher UL-listed and bear UL "Listing Mark" for type, rating, and classification of extinguisher.
- D. FM-Listed Products: Fire extinguisher approved by Factory Mutual Research Corporation for type, rating, and classification of extinguisher and carry appropriate FM marking.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. Allenco.
 - 2. Ansul Fire Protection, Wormald US Inc.
 - 3. Badger-Powhatan.
 - 4. Bobrick Washroom Equipment, Inc.
 - 5. J.L. Industries.
 - 6. Larsen's Manufacturing Co.

7. Modern Metal Products by Muckle.
8. Potter-Roemer, Inc.
9. Samson Metal Products, Inc.
10. Walter Kidde, Division of Kidde, Inc.
11. Watrous Inc.

2.2 FIRE EXTINGUISHER

- A. General: Provide fire extinguisher 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.
 1. Abbreviations indicated below identify extinguisher types related to UL classification and rating system and not necessarily to type and amount of extinguishing material contained in extinguisher.
- B. Multipurpose Dry Chemical Type: UL-rated 2-A:10:B:C, 10-lb. nominal capacity, in enameled steel container with current inspection labels attached.

2.3 FIRE EXTINGUISHER CABINETS

- A. General: Provide fire extinguisher cabinets where indicated, of suitable size for housing fire extinguisher 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: Suitable for mounting conditions indicated, of the following types:
 1. Semirecessed: Cabinet box (tub) partially recess in 8" masonry walls.
- D. Trim Style: Fabricate trim in one piece with corners mitered, welded, and ground smooth.
- E. Door Material and Construction: Manufacturer's standard door construction, of material indicated, coordinated with cabinet types and trim styles selected.
 1. Enameled Steel: Manufacturer's standard finish, hollow steel door construction with tubular stiles and rails.
 2. Door Glazing: Tempered float glass complying with ASTM C1048, Type I, Quality q3, Class as follows:
 - a. Clear glass, Class 1 (transparent).
- 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: Engraved.
 2. Door Style: Manufacturer's standard design.
 3. Full-Glass Panel: Float glass, 1/8-inch thick.
- G. 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 degrees.

2.4 FINISHES FOR FIRE EXTINGUISHER CABINETS, GENERAL

- A. Comply with NAAMM "Metal Finishes Manual" for recommendations relative to application and designations of finishes.
- B. Protect mechanical finishes on exposed surfaces from damage by application of strippable, temporary protective covering prior to shipment.

2.5 STEEL FIRE EXTINGUISHER CABINET FINISHES

- A. 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.
 - 1. Color and Gloss: As indicated by reference to manufacturer's standard color and gloss designations.

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.
 - 1. 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.
 - 2. Securely fasten mounting brackets and fire extinguisher cabinets to structure, square and plumb, to comply with manufacturer's instructions.
 - 3. Where exact location of surface-mounted cabinets and bracket-mounted fire extinguisher is not indicated, locate as directed by Architect.

END OF SECTION