

FIRE PROTECTION SPECIALTIES

PART 1 - GENERAL

1.01 DESCRIPTION

- A. This Section describes the requirements for furnishing and installing the following:
  - 1. Fire extinguishers.
  - 2. Fire extinguisher cabinets.
  - 3. Mounting brackets.

1.02 SUBMITTALS

- A. Product Data: Furnish 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.
- B. Samples: Furnish samples of each type of metal finish required, prepared on metal of same thickness and allow to be used in the final work. Where finishes involve normal color and texture variation, include sample sets showing full range of variations expected.

1.03 QUALITY ASSURANCE

- A. Obtain fire extinguishers and cabinets from one source from a single manufacturer.
- B. UL-Listed Products: Provide fire extinguishers which are UL-listed and bear UL "Listing Mark" for type, rating, and classification of extinguisher specified.
- C. Fire-Rated, Fire Protection Cabinets: Listed and labeled to comply with requirements in ASTM E814 for fire-resistance rating of walls where they are installed.

1.04 COORDINATION

- A. Coordinate size of fire protection cabinets to ensure that type and capacity of fire extinguishers are accommodated.
- B. Coordinate sizes and locations of fire protection cabinets with wall depths.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Cold-Rolled Steel: ASTM A1008, Commercial Steel (CS), Type B.
- B. Aluminum: Alloy and temper recommended by aluminum producer and manufacturer for type of use and finish specified, and as follows:
  - 1. Sheet: ASTM B209.
  - 2. Extruded Shapes: ASTM B221.
- C. Stainless Steel Sheets: ASTM A666, Type 304.

- D. Tempered Float Glass: ASTM C1048, Kind FT, Condition A, Type I, Quality q3, 1/4-inch thick, Class 1 (clear).

## 2.02 FIRE EXTINGUISHERS

- A. General: Provide fire extinguishers for each extinguisher cabinet. Comply with requirements of governing authorities. Fire extinguishers shall be full charged and tagged in accordance with requirements of the authority having jurisdiction.
- B. Multi-Purpose Dry Chemical Type: UL-rated 2A:10BC, 5-lb. nominal capacity, in enameled steel container.

## 2.03 MOUNTING BRACKETS

- A. Provide brackets designed to prevent accidental dislodgement of extinguisher, of sizes required for type and capacity of extinguisher specified, in manufacturer's standard plated finish.
  - 1. Provide brackets for extinguishers not located in cabinets.
  - 2. Identify bracket-mounted extinguishers with red letter decals spelling "FIRE EXTINGUISHER" applied to wall surface. Letter size and style to be selected by the County's Representative.

## 2.04 FIRE EXTINGUISHER CABINETS

- A. Approved Manufacturers: J.L. Industries, Larsen's Manufacturing Co., Potter-Roemer, Inc. or approved equal.
- B. Tub: Heavy-gauge, white baked enamel.
  - 1. Where fire extinguisher cabinets are installed in fire-rated partitions, provide cabinet walls fabricated from 0.0428-inch thick, cold-rolled steel sheet lined with minimum 5/8-inch thick fire-barrier material. Provide factory-drilled mounting holes.
- C. Cabinet Type: Recessed or semi-recessed depending on wall or partition depth.
- D. Trim Style: Exposed trim, either square-edge or rolled-edge as standard with manufacturer for cabinet type and depth.
- E. Door Material: Manufacturer's standard enameled steel.
- F. Door Glazing: Clear tempered float glass.
- G. Door Style: Full-glass panel.
- H. Door Hardware: Manufacturer's standard door operating hardware for cabinet type, trim style, and door material and style specified. Provide door pull, exposed or concealed, and friction latch. Provide concealed or continuous type hinge permitting door to open 180-deg.

## PART 3 - EXECUTION

### 3.01 INSTALLATION

- A. Install items in locations and at mounting heights to comply with applicable regulations of governing authorities.
- B. Prepare recesses in walls for fire extinguisher cabinets as required by type and size of cabinet and style of trim in compliance 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 bracket-mounted fire extinguishers is not indicated, locate as directed by County's Representative.

END OF SECTION