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## 104422 - Fire Extinguisher Specialties

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104422 - Fire Extinguisher Specialties

## SECTION 10 4422 - FIRE EXTINGUISHER SPECIALTIES

### 1.1 SUMMARY

#### A. Section Includes:

1. Fire protection cabinets for the following:
  - a. Portable fire extinguishers.
2. Fire extinguishers.
3. Signage.

#### B. See Chapter 5, Division 01, Section 017700.1.1.B.1.i Closeout Procedures - Project Record Documents for equipment list requirements for all equipment provided in this section.

### 1.2 MATERIALS

#### A. Cold-Rolled Steel Sheet: ASTM A 1008/A 1008M, Commercial Steel (CS), Type B.

#### B. Aluminum: Alloy and temper recommended by aluminum producer and manufacturer for type of use and finish indicated, and as follows:

1. Sheet: ASTM B 209 (ASTM B 209M).
2. Extruded Shapes: ASTM B 221 (ASTM B 221M).

#### C. Tempered Float Glass: ASTM C 1048, Kind FT, Condition A, Type I, Quality q3, 3 mm thick, Class 1 (clear).

### 1.3 FIRE EXTINGUISHERS

#### A. Fire Extinguishers: Type, size, and capacity for each fire protection cabinet and mounting bracket.

##### 1. Manufacturers:

- a. J. L. Industries, Inc., a division of Activar Construction Products Group.
- b. Kidde Residential and Commercial Division, Subsidiary of Kidde plc.
- c. Larsen's Manufacturing Company.
- d. Potter Roemer LLC.

2. Multi-Purpose Dry Chemical Type in Steel Container: UL-rated 3-A;40:B:C, 5-lb (2.3 kg) nominal capacity, with monoammonium phosphate-based dry chemical in enameled-steel container.

1.4 MOUNTING BRACKETS

- A. Mounting Brackets: manufacturer's standard galvanized steel, designed to secure fire extinguisher to wall. Of sizes required for types and capacities of fire extinguishers indicated, with plated or red baked-enamel finish.

1.5 FIRE PROTECTION CABINET

- A. Cabinet Type: Suitable for fire extinguisher.

- 1. Manufacturers:

- a. J. L. Industries, Inc., a division of Activar Construction Products Group.
- b. Kidde Residential and Commercial Division, Subsidiary of Kidde plc.
- c. Larsen's Manufacturing Company.
- d. Potter Roemer LLC.

- B. Cabinet Construction: As required.

- 1. Fire-Rated Cabinets: Construct fire-rated cabinets with double walls fabricated from 0.0428-inch- (1.1-mm-) thick, cold-rolled steel sheet lined with minimum 5/8-inch- (16-mm-) thick, fire-barrier material. Provide factory-drilled mounting holes.

- C. Cabinet Material: Steel sheet.

- 1. Shelf: Same metal and finish as cabinet.

- D. Semirecessed Cabinet: Cabinet box partially recessed in walls of sufficient depth to suit style of trim indicated; with one-piece combination trim and perimeter door frame overlapping surrounding wall surface with exposed trim face and wall return at outer edge (backbend). Provide where walls are of insufficient depth for recessed cabinets but are of sufficient depth to accommodate semirecessed cabinet installation.

- 1. Rolled-Edge Trim: 2-1/2-inch (64-mm) backbend depth.

- E. Surface-Mounted Cabinet: Cabinet box fully exposed and mounted directly on wall with no trim. Provide where walls are of insufficient depth for semirecessed cabinet installation.

- F. Cabinet Trim Material: Steel sheet.

- G. Door Material: Steel sheet.

- H. Door Style: Vertical duo panel with frame.

- I. Door Glazing: Tempered float glass (clear).

- J. Door Hardware: Manufacturer's standard door-operating hardware of proper type for cabinet type, trim style, and door material and style indicated.

1. Provide projecting lever handle with cam-action latch or projecting door pull and friction latch.
2. Provide continuous hinge, of same material and finish as trim, or concealed hinge permitting door to open 180 degrees.

K. Finishes:

1. Manufacturer's standard baked-enamel paint for the following: Color by Architect.
  - a. Exterior of cabinet, door, and trim except for those surfaces indicated to receive another finish.
  - b. Interior of cabinet and door.

L. Signage:

1. Decals applied to cabinet, Red Vertical.

1.6 FABRICATION

- A. Cabinet Doors: Fabricate doors according to manufacturer's standards, from materials indicated and coordinated with cabinet types and trim styles selected.
1. Fabricate door frames with tubular stiles and rails and hollow-metal design, minimum 1/2 inch (13 mm) thick.
  2. Fabricate door frames of one-piece construction with edges flanged.
  3. Miter and weld perimeter door frames.

1.7 INSTALLATION

- A. General: Install fire protection cabinets in locations and at mounting heights indicated or, if not indicated, at heights acceptable to authorities having jurisdiction and as indicated below.
1. Fire Protection Cabinets: 54 inches (1372 mm) above finished floor to top of cabinet.

END OF SECTION 10 4422