

SECTION 10520  
FIRE EXTINGUISHERS AND CABINETS

PART 1 - GENERAL

1.01 PROVISIONS INCLUDED

- A. The general provisions of the Contract, including General and Supplementary Conditions and Division 1 - General Requirements, apply to work specified in this Section.

1.02 SUMMARY

- A. This Section includes the following:
  - 1. Fire-protection cabinets for portable fire extinguishers.
  - 2. Brackets for fire extinguishers which are not in cabinets.
- B. Work by Owner: Furnishing fire extinguishers and placing them in the cabinets and on the brackets.

1.03 SUBMITTALS

- A. Product Data: For fire extinguisher cabinets. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes. Include roughing-in dimensions, details showing mounting methods, relationships of box and trim to surrounding construction, door hardware, cabinet type, trim style, and panel style.
- B. Samples for Initial Selection: Manufacturer's color charts consisting of units or sections of units showing the full range of colors, textures, and patterns available for each type of cabinet finish indicated.
- C. Samples for Verification: 6 x 6 inch square sample of exposed cabinet finish.

1.04 QUALITY ASSURANCE

- A. Source Limitations: Obtain all fire extinguisher cabinets through one source from a single manufacturer.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide cabinets for portable fire extinguishers by one of the following:
  - 1. J.L. Industries, Inc.
  - 2. Larsen's Manufacturing Company.
  - 3. Potter-Roemer; Div. of Smith Industries, Inc.

## 2.02 MATERIALS

- A. Cold-Rolled Steel Sheet: Carbon steel, complying with ASTM A 366/A 366M, commercial quality, stretcher leveled, temper rolled.

## 2.03 FIRE-PROTECTION CABINETS

- A. Cabinet Construction: Provide manufacturer's standard enameled steel box (tub), suitable for holding fire-extinguisher of the size specified, with trim, frame, door, and hardware to suit cabinet type, trim style, and door style indicated. Weld joints and grind smooth. Miter and weld perimeter door frames.
- B. Cabinet Mounting: Cabinet box recessed in walls.
- C. Cabinet Trim: Steel sheet finished to match the door. Fabricate cabinet trim in one piece with corners mitered, welded, and ground smooth.
  - 1. Exposed Trim: One-piece combination trim and perimeter door frame overlapping surrounding wall surface with exposed trim face and wall return at outer edge (backbend); 1/4- to 5/16-inch backbend depth.
- D. Door Construction: Steel frame with narrow vertical glass panel ("Vertical Duo"). Provide minimum 1/2-inch-thick door frames, fabricated with tubular stiles and rails, and hollow-metal design.
  - 1. Glass: Double-strength annealed (DSA), ASTM C 1036, Type I, Quality q3, Class 1 (clear), 6 mm thick.
  - 2. Door Hardware: Either lever handle with cam-action latch, or exposed or concealed door pull and friction latch. Provide concealed or continuous-type hinge permitting door to open 180 degrees.
- E. Product: J. L. Industries "Ambassador" 1015V10 or equal from Larsen's "Architectural" Series or Potter-Roemer "Alta-A" series.

## 2.04 ACCESSORIES

- A. Mounting Brackets: Manufacturer's standard steel, designed to secure extinguisher, of sizes required for types and capacities of extinguishers indicated, with plated or baked-enamel finish.
  - 1. Provide one bracket for each extinguishers which is not located in cabinets.
  - 2. Quantity: As shown on Drawings.
- B. Identification: Provide lettering to comply with authorities having jurisdiction for letter style, color, size, spacing, and location. Locate as indicated by Architect.
  - 1. Identify fire extinguisher in cabinet with the words "FIRE EXTINGUISHER" applied to door with black vinyl letters; vertical orientation.
  - 2. Identify bracket-mounted extinguishers with the words "FIRE EXTINGUISHER" in red letter decals applied to wall surface.

## 2.05 STEEL FINISHES

- A. Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.
- B. Surface Preparation: Clean surfaces of dirt, oil, grease, mill scale, rust, and other contaminants that could impair paint bond using manufacturer's standard methods.
- C. Baked-Enamel Finish: Immediately after cleaning and pretreating, apply manufacturer's standard two-coat, baked-enamel finish consisting of prime coat and thermosetting topcoat. Comply with paint manufacturer's written instructions for applying and baking to achieve a minimum dry film thickness of 2 mils.
  - 1. Color and Gloss: As selected by Architect from manufacturer's full range.

## PART 3 - EXECUTION

### 3.01 EXAMINATION

- A. Examine walls and partitions for suitable framing depth and blocking where recessed and semi-recessed cabinets are to be installed. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.02 INSTALLATION

- A. Comply with manufacturer's written instructions for installing fire-protection specialties.
- B. Install in locations and at mounting heights indicated or, if not indicated, at heights acceptable to authorities having jurisdiction.
  - 1. Prepare recesses for cabinets as required by type and size of cabinet and trim style.
  - 2. Fasten mounting brackets to structure and cabinets, square and plumb.
  - 3. Fasten cabinets to structure, square and plumb.

### 3.03 ADJUSTING, CLEANING, AND PROTECTION

- A. Adjust cabinet doors that do not swing or operate freely.
- B. Refinish or replace cabinets and doors damaged during installation.
- C. Provide final protection and maintain conditions that ensure that cabinets and doors are without damage or deterioration at the time of Substantial Completion.

END OF SECTION 10520