

## **DIVISION 10 - SPECIALTIES**

### **SECTION 10522**

#### **FIRE EXTINGUISHERS, CABINETS, AND ACCESSORIES**

##### **PART 1: GENERAL**

##### **1.01 RELATED DOCUMENTS**

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

##### **1.02 SECTION INCLUDES**

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

##### **1.03 SUBMITTALS**

- A. Product Data: Provide data for each type of sign specified, including details of construction relative to materials, dimensions of individual components, profiles, and finishes. 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: Provide samples for initial selection purposes in the form of manufacturer's color charts consisting of actual units or sections of units showing full range of colors, textures, and patterns available for each type of cabinet finish indicated or exposed to view.

##### **1.04 QUALITY ASSURANCE**

- A. Single Source Requirement: For each Fire Extinguisher type required, obtain from one source of a single manufacturer.
- B. Coordination: Verify that cabinets are sized to accommodate type and capacity of extinguishers indicated.
- C. UL-Listed Products: Fire extinguishers shall be UL listed with UL listing mark for type, rating, and classification of extinguisher.
- D. FM-Listed Products: Fire extinguishers approved by Factory Mutual Research Corporation for type, rating and classification of extinguisher with FM marking.

##### **1.05 DELIVERY, HANDLING & STORAGE**

- A. Deliver fire extinguishers and cabinets to site in unopened container or packaging submitted by manufacturer. Store in controlled conditioned space free from extreme temperature differences. Protect units from damage on site in secure locked room until time of installation.

## PART 2: PRODUCTS

### 2.01 MATERIALS

- A. Available Manufacturers:
  - 1. Ansul Fire Protection.
  - 2. Potter-Roemer, Smith Industries, Inc.
  - 3. J.L. Industries, Inc. Activar
  - 4. Larsen's Manufacturing, Co.
- B. Fire Extinguisher Cabinets
  - 1. Equal to Larsen's 2409-R4 Semi Recessed with Vertical Duo Clear Acrylic Door (#4 Stainless Steel).  
(To fit in a 4 inch stud wall with 5/8 " gwb on both sides.)
- C. Fire Extinguishers
  - 1. General: Provide fire extinguishers for each cabinet and other locations indicated, in colors and finishes selected by Architect from manufacturer's standard, that comply with authorities having jurisdiction.
  - 2. Multipurpose Dry Chemical Type: UL-rated 4-A: 60-B; C, 10 - lb nominal capacity, in enameled steel container.
  - 3. Class K Type Wet Chemical for kitchen grease fires, Nominal capacity of 6 liters, UL rating of 2A:1B:C:K.
  - 4. Provide Louisiana State Fire Marshal inspection tag on each fire extinguisher.
- D. Mounting Brackets
  - 1. Brackets: Designed to prevent accidentally dislodging extinguisher, of sizes required for type and capacity of extinguisher indicated, in plated finish.
    - a. Provide brackets for extinguishers not located in cabinets.
    - b. Provide brackets for extinguishers not located in cabinets and for those located in cabinets.
- E. Finishes for Cabinets, General:
  - 1. Comply with NAAMM "Metal Finishes Manual" for recommendations relative to applying and designating finishes.
  - 2. Protect mechanical finishes on exposed surfaces from damage by applying temporary strippable protective covering prior to shipping.

## PART 3: EXECUTION

### 3.01 EXAMINATION

- A. Examine rough in for hose valves, hose rack, and cabinets to verify locations of piping connections prior to cabinet installation.
- B. Examine walls and partitions for thickness and framing for cabinets to verify cabinet depth and mounting prior to cabinet installation.

### 3.02 INSTALLATION

- A. Follow manufacturer's printed instructions for installation.
- B. Install 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 cabinets as required by type and size of cabinet and style of trim and to comply with manufacturer's instructions.

2. Fasten mounting brackets and cabinets to structure, square and plumb.

### 3.03 CLEANING AND PROTECTION

- A. At completion of the installation, clean cabinets and extinguishers so that they are free of dust or dirt.
- B. Protect cabinets and extinguishers from harm from other trades prior to acceptance of building by Owner.
- C. Insure that all fire extinguishers are fully charged and inspected as required.
- D. Repair wall areas or surfaces around cabinets or mounting brackets as required.

### 3.04 SCHEDULE

- A. The following are to be used in the building:
  1. Semi Recessed Cabinet Type (Multi-purpose dry chemical type) in the following locations:
    - a. Two (2) required as shown in locations indicated on the Floor Plan A2.1. One in the Meeting Room and one in the main Library.
  2. Exposed Surface Mounted Type (Multi-purpose dry chemical type) in the Following locations (Three (3) Required):
    - a. Electrical/ IT Room
    - b. Mechanical Room s. (2 required)
  3. Exposed Surface Mounted Type (Type K Class – Wet Chemical for Kitchen Grease Fires) in the Following Locations (One (1) Required):
    - a. Serving

END OF SECTION - 10522