

**SECTION 10 44 00**  
**FIRE PROTECTION SPECIALTIES**

**PART 1 GENERAL**

**1.01 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

**1.02 SECTION INCLUDES**

- A. Fire extinguishers.
- B. Fire extinguisher cabinets.
- C. Fire department building rapid entry system.
- D. Accessories.

**1.03 RELATED REQUIREMENTS**

- A. Section 06 10 00 - Rough Carpentry: Wood blocking product and execution requirements.
- B. Section 09 91 23 - Interior Painting: Field paint finish.

**1.04 REFERENCE STANDARDS**

- A. ASTM E814 - Standard Test Method for Fire Tests of Penetration Firestop Systems; 2013a (Reapproved 2017).
- B. FM (AG) - FM Approval Guide; current edition.
- C. NFPA 10 - Standard for Portable Fire Extinguishers; 2017, with Errata (2018).
- D. UL (DIR) - Online Certifications Directory; Current Edition.

**1.05 SUBMITTALS**

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide extinguisher ratings and classifications, color and finish, and anchorage details.
- C. Shop Drawings: Indicate locations of cabinets and cabinet physical dimensions.
- D. Manufacturer's Installation Instructions: Indicate special criteria and wall opening coordination requirements.
- E. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.
- F. Maintenance Data: Include test, refill or recharge schedules and re-certification requirements.

**1.06 FIELD CONDITIONS**

- A. Do not install extinguishers when ambient temperature may cause freezing of extinguisher ingredients.

**PART 2 PRODUCTS**

**2.01 MANUFACTURERS**

- A. Fire Extinguishers:
  - 1. Amerex: [www.amerex-fire.com](http://www.amerex-fire.com).
  - 2. Kidde, a unit of United Technologies Corp: [www.kidde.com](http://www.kidde.com).
  - 3. JL Industries, Inc: [www.jlindustries.com](http://www.jlindustries.com).
  - 4. Oval Brand Fire Products; Oval Dry Chemical Fire Extinguisher - Multipurpose ABC: [www.ovalfireproducts.com/#sle](http://www.ovalfireproducts.com/#sle).
  - 5. Potter Roemer; [potterroemer.com](http://potterroemer.com)
  - 6. Strike First Corporation of America; ABC-Seamless Steel Fire Extinguisher: [www.strikefirstusa.com](http://www.strikefirstusa.com).
  - 7. Substitutions: See Section 01 60 00 - Product Requirements.

- B. Fire Extinguisher Cabinets and Accessories:
  - 1. Activar Construction Products Group, Inc. - JL Industries; Ambassador Series: [www.activarcpg.com/#sle](http://www.activarcpg.com/#sle).
  - 2. Larsen's Manufacturing Co: [www.larsensmfg.com/#sle](http://www.larsensmfg.com/#sle).
  - 3. Oval Brand Fire Products; Cabinets for Low Profile Extinguishers: [www.ovalfireproducts.com/#sle](http://www.ovalfireproducts.com/#sle).
  - 4. Potter-Roemer: [www.potterroemer.com/#sle](http://www.potterroemer.com/#sle).
  - 5. Strike First Corporation of America; EL-Elite Architectural Series Fire Extinguisher Cabinet, Non-Fire Rated: [www.strikefirstusa.com](http://www.strikefirstusa.com).
  - 6. Substitutions: See Section 01 60 00 - Product Requirements.

## **2.02 FIRE EXTINGUISHERS**

- A. Fire Extinguishers - General: Comply with product requirements of NFPA 10 and applicable codes, whichever is more stringent.
  - 1. Provide extinguishers labeled by UL (DIR) or FM (AG) for purpose specified and as indicated.
  - 2. Provide Bi-lingual labels.
- B. Multipurpose Dry Chemical Type Fire Extinguishers: Carbon steel tank, with pressure gauge.
  - 1. UL-rated 4-A:80-B:C, 10-lb nominal capacity.
  - 2. Size: 10 pound capacity.
  - 3. Finish: Baked polyester powder coat, color as selected.
  - 4. Temperature range: Minus 40 degrees F to 120 degrees F.

## **2.03 FIRE EXTINGUISHER CABINETS**

- A. Fire Rating: Listed and labeled in accordance with ASTM E814 requirements for fire resistance rating of walls where being installed.
- B. Cabinet Construction: Non-fire rated.
  - 1. Formed primed steel sheet; 0.036 inch thick base metal.
- C. Fire Rated Cabinet Construction: One-hour fire rated.
- D. Provide fire rated cabinets where installed in fire rated partitions.
- E. Cabinet Configuration: Semi-recessed type.
  - 1. Size to accommodate accessories.
  - 2. Exterior nominal dimensions of 12 inch wide by 27 inch high by 4 inch deep.
  - 3. Trim: Flat square edge, with 1 1/2 inch wide face.
- F. Door: 0.036 inch thick, reinforced for flatness and rigidity; recessed latch, unless otherwise indicated. Hinge doors for 180 degree opening with continuous piano hinge. Provide roller type catch.
- G. Door Glazing: Tempered glass, clear, 1/8 inch thick, and set in resilient channel glazing gasket.
  - 1. Vertical Duo type with glazing.
- H. Cabinet Mounting Hardware: Appropriate to cabinet, with pre-drilled holes for placement of anchors.
- I. Fabrication: Weld, fill, and grind components smooth.
- J. Finish of Cabinet Exterior Trim and Door: Baked enamel or powder coated, color as selected.
- K. Finish of Cabinet Interior: Match exterior.

## **2.04 FIRE DEPARTMENT RAPID ENTRY SYSTEM**

- A. Provide a recessed rapid access entry key box acceptable to the Authorities Having Jurisdiction. KnoxBox 3200, or equal.
- B. Provide optional tamper switch connection for Fire Alarm
- C. Submit color options for selection by AE.

- D. Locate as indicated, or if not indicated as directed by Architect Engineer and acceptable to the Authorities Having Jurisdiction.

## **2.05 ACCESSORIES**

- A. Extinguisher Brackets: Formed steel, galvanized and enamel finished.
- B. Extinguisher Theft Alarm: Battery operated alarm, minimum 10 second delay for disarming, activated by opening cabinet door.
- C. Identification: Lettering complying with authorities having jurisdiction for letter style, size, spacing, and location. Locate as indicated by Architect Engineer.
- D. Wall Signage: Provide for each fire extinguisher or cabinet. Locate as directed.
  - 1. Key Features
    - a. Acrylic
    - b. Triangular
    - c. Measures 8.5 inch wide, 3.25 inch deep, 18 inch high
  - 2. Similar to: Brady "Tall Fire Extinguisher "V" Sign" Part Number SP818V
- E. Cabinet Signage: Die-cut vinyl, 3/4 inch by 18 inch, vertical, red, "FIRE EXTINGUISHER".

## **PART 3 EXECUTION**

### **3.01 EXAMINATION**

- A. Verify existing conditions before starting work.
- B. Coordinate size of cabinets to ensure that the type and capacity of appliances and accessories indicated are accommodated.
- C. Coordinate sizes and locations of fire protection cabinets with wall depths.
- D. Verify rough openings for cabinet are correctly sized and located.
- E. Proceed with installation only after unsatisfactory conditions have been corrected.

### **3.02 INSTALLATION**

- A. Install in accordance with manufacturer's instructions.
- B. Install cabinets plumb and level in wall openings, 24 inches from finished floor to inside bottom of cabinet. Mounting height as required by Authorities Having Jurisdiction for ADA Accessibility Guidelines from finished floor to the carrying handle.
- C. Secure rigidly in place.
- D. Place extinguishers in cabinets, unless otherwise indicated.
- E. Position cabinet signage at wall, directly above cabinet and lettering on cabinet doors after painting is complete..
- F. Remove temporary protective coverings and strippable films, if any, as fire-protection cabinets are installed unless otherwise indicated in manufacturer's written installation instructions.
- G. Adjust fire-protection cabinet doors to operate easily without binding. Verify that integral locking devices operate properly.
- H. On completion of fire-protection cabinet installation, clean interior and exterior surfaces as recommended by manufacturer.
- I. Touch up marred finishes, or replace fire-protection cabinets that cannot be restored to factory-finished appearance. Use only materials and procedures recommended or furnished by fire-protection cabinet and mounting bracket manufacturers.
- J. Replace fire-protection cabinets that have been damaged or have deteriorated beyond successful repair by finish touchup or similar minor repair procedures.

### **END OF SECTION**

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