

## SECTION 10 44 16

## PORTABLE FIRE EXTINGUISHERS AND SAFETY EQUIPMENT

06/06

## PART 1 GENERAL

## 1.1 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for information only. When used, a designation following the "G" designation identifies the office that will review the submittal for the Government. Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

**SD-02 Shop Drawings**

Submit fabrication drawings for the following items consisting of fabrication and assembly details to be performed in the factory. Submit installation drawings for the following items in accordance with the paragraph entitled, "Installation," of this section.

Portable Fire Extinguishers; G, AE  
Recessed Extinguisher Cabinets; G, AE  
Flammable Liquid Storage Cabinet; G, AE  
First-Aid Cabinets and Supplies; G, AE

**SD-03 Product Data**

Submit Manufacturer's catalog and warranty data for the following items:

Portable Fire Extinguishers; G, AE  
Accessories; G, AE  
Recessed Extinguisher Cabinets; G, AE  
Flammable Liquid Storage Cabinet; G, AE  
First-Aid Cabinets and Supplies; G, AE

**SD-07 Certificates**

Submit Certificates showing the following:

Certification that **Portable Fire Extinguishers** comply with local codes and regulations.

Certification that Fire Extinguishers comply with OSHA, NFPA, and UL requirements.

Submit **Manufacturer's Warranty and Inspection Tag** on each extinguisher.

## 1.2 DELIVERY, HANDLING, AND STORAGE

Protect materials from weather, soil, and damage during delivery, storage, and construction.

Deliver materials in their original packages, containers, or bundles

bearing the brand name and the name and type of the material.

## PART 2 PRODUCTS

### 2.1 PORTABLE FIRE EXTINGUISHERS

#### a. General:

1. Conform to NFPA 10 for fire extinguishers.
2. Furnish fire extinguishers and cabinets from one manufacturer.
3. All Extinguishers: UL listed, charged and ready for service.
4. Submit Manufacturer's Data for each type of Fire Extinguisher required, detailing all related Cabinet, Wall Mounting and Accessories information, complete with [Manufacturer's Warranty and Inspection Tag](#).

#### b. Multipurpose Hand Extinguisher (F. Ext-1):

1. Tri class dry chemical extinguishing agent.
2. Pressurized, red enameled steel shell cylinder.
3. Activated by top squeeze handle.
4. Agent propelled through hose or opening at top of unit.
5. For use on A, B, and C class fires.
6. Minimum UL Rating: 4A 60B:C, 10 pound.

#### c. Carbon Dioxide Hand Extinguisher (F. Ext-2):

1. Carbon dioxide.
2. Pressurized, red enameled steel shell cylinder.
3. Activated by top squeeze handle.
4. Agent propelled through hose and spreader nozzle.
5. For use on B and C class fires.
6. Minimum UL Rating: 10B:C, 15 pound capacity.

### 2.2 RECESSED EXTINGUISHER CABINETS CABINET (REC)

- a. Door and Trim Construction: No. 4 stainless steel. Flush cabinet door with continuous hinge.
- b. Trim Style: Semi-recessed with rolled edge; 4-inch maximum projection from face of finished wall including handle.
- c. Tub: Constructed of cold rolled steel with white powder coat finish.
- d. Door Style: Glazed with clear acrylic and provided with manufacturer's safety cam lock design.

## e. Manufacturers and Products:

1. J. L. Industries; Cosmopolitan 1037 G10.
2. Larsen's Manufacturing Co.; Architectural Series Model 2409-6R

2.3 **FLAMMABLE LIQUID STORAGE CABINET (FLSC)**

- a. Cabinet: 18 gauge welded steel with two swinging doors complying with NFPA No. 30, current OSHA Standards, and FM-approved or UL-listed.
- b. Finish: Safety yellow baked enamel. Mark front with red letters reading FLAMMABLE LIQUID-KEEP FIRE AWAY.
- c. Size: 45 gallon capacity, 43 inches wide by 18 inches deep by 65 inches high with two adjustable shelves.
- d. Manufacturers:
  1. Lyon Metal Products, Inc., Aurora, IL60507, Model No. 5444.
  2. The Protectoseal Co., Bensenville, IL60166, Model No. 5545.
  3. Eagle Manufacturing Co., Wellsburg, WV26070, Stock No. 004013.

2.4 **FIRST-AID CABINETS AND SUPPLIES**

## a. Manufacturers:

1. Afassco, Inc.
2. Johnson & Johnson.
3. Zee Medical Products Co., Inc.

## b. Cases:

1. Enameled metal or break-resistant plastic.
2. Carrying handles.
3. Made to hang on wall.

## c. Supplies: Quantities to serve 10 people.

2.5 **ACCESSORIES**

- a. Fasteners: Furnish necessary screws, bolts, brackets, and other fastenings of suitable type and size to secure items of fire and safety equipment in position.
  1. Metal expansion shields for machine screws at concrete and masonry.
  2. Interior: Stainless steel.
- b. Brackets: For all hand extinguishers not located in cabinets, furnish heavy-duty brackets with clip-together strap for wall mounting.

## PART 3 EXECUTION

## 3.1 INSTALLATION

Install Fire Extinguishers and other equipment where indicated on the drawings. Install plumb and level. Rigidly attach cabinets and brackets securely to structure. Provide adequate backing for mounting surfaces. Install top of fire extinguisher no more than 54 inches above floor. Verify exact locations prior to installation.

Comply with the manufacturer's recommendations for all installations.

Provide extinguishers which are fully charged and ready for operation upon installation. Provide extinguishers complete with Manufacturer's Warranty with Inspection Tag attached.

## 3.2 ACCEPTANCE PROVISIONS

## 3.2.1 Repairing

Remove and replace damaged and unacceptable portions of completed work with new work at no additional cost to the Government.

Provide Replacement Parts list indicating specified items replacement part, replacement cost, and name, address and contact for replacement parts distributor.

## 3.2.2 Cleaning

Clean all surfaces of the work, and adjacent surfaces which are soiled as a result of the work. Remove from the site all construction equipment, tools, surplus materials and rubbish resulting from the work.

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