

SECTION 10520 - FIRE-PROTECTION SPECIALTIES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. This Section includes the following:

1. Portable fire extinguishers.
2. Wheeled fire extinguishers.
3. Fire-protection cabinets for the following:
 - a. Portable fire extinguishers.
 - b. Fire hose valves.
 - c. Fire hoses and racks.
 - d. Fire extinguishers and fire hoses.
4. Fire-protection accessories.

- B. Related Sections include the following:

1. Division 7 Section "Firestopping" for firestopping sealants at fire-rated cabinets.
2. Division 9 Section "Painting" for field-painting fire-protection cabinets.
3. Division 10 Section "Signs" for directional signage to out-of-sight fire extinguishers and cabinets.
4. Division 11 Section "Food Service Equipment" for fire extinguishing systems provided as part of exhaust hoods.
5. Division 15 Section "Standpipe and Sprinkler Systems" for hose systems and racks.
6. Division 15 Section "Standpipe and Hose Systems" for fire hoses in cabinets.
7. Division 16 Section "Interior Lighting" for fire extinguisher location lights.

1.3 SUBMITTALS

- A. Product Data: Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for fire-protection specialties.
 1. Fire Extinguishers: Include rating and classification.
 2. Cabinets: 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.
 3. Show location of knockouts for hose valves.
- 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: For each type of exposed cabinet finish required, prepared on Samples of size indicated below and of same thickness and material indicated for the Work. If finishes involve normal color and texture variations, include sample sets showing the full range of variations expected.

1. Size: 6-by-6-inch- (150-by-150-mm-) square Samples.

1.4 QUALITY ASSURANCE

- A. Source Limitations: Obtain fire extinguishers and cabinets through one source from a single manufacturer.
- B. NFPA Compliance: Fabricate and label fire extinguishers to comply with NFPA 10, "Standard for Portable Fire Extinguishers."
- C. Fire Extinguishers: Listed and labeled for type, rating, and classification by an independent testing agency acceptable to authorities having jurisdiction.
 1. Provide extinguishers listed and labeled by FM.

1.5 COORDINATION

- A. Coordinate size of cabinets to ensure that type and capacity of fire extinguishers indicated and provided by Owner under separate Contract are accommodated.
- B. Coordinate size of cabinets to ensure that type and capacity of hoses, hose valves, and hose racks indicated are accommodated.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Kidde: Walter Kidde, The Fire Extinguisher Co.
1394 South Third Street
Mebane, NC 27302
1-800-880-6788

2.2 MATERIALS

Multipurpose Dry-Chemical Type: Mono-ammonium phosphate, UL-rated 2-A:10:B:C, 4-lb nominal capacity, discharge time of 8-10 seconds, discharge range of 12 feet, operating pressure of 195 psi, in aluminum container.

3.1 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.

3.2 INSTALLATION OF FIRE-RATED HOSE OR VALVE CABINETS

- A. Install cabinet with not more than 1/16-inch (1.5-mm) tolerance between pipe OD and knockout OD. Center pipe within knockout.
- B. Seal through-penetrations with firestopping sealant specified in Division 7 Section "Firestopping."

3.3 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