

FIRE PROTECTION ACCESSORIES

GENERAL INFORMATION

- 1.1 Section Includes: Fire extinguishers mounted on wall brackets, and recessed cabinets in corridor partitions.
- 1.2 Mechanical areas shall have 10-pound ABC fire extinguishers installed on brackets throughout as required by NFPA 10. As part of the design each occupied floor shall be provided with two (minimum) fire extinguisher cabinets containing 10-pound ABC fire extinguishers, and each laboratory shall be provided with 5-pound ABC fire extinguishers installed on brackets, in quantities required by the NYC Fire Department, or as directed by Columbia Environmental Health & Safety.

DESIGN REQUIREMENTS

- 2.1 Products shall comply with National Fire Protection Association (NFPA) 10 - Standard for Portable Fire Extinguishers.
- 2.2 Bracket-Mounted Extinguishers:
 - a. ABC Multi-Purpose Dry Chemical: Red, glossy, polyester-coated steel cylinder with pressure gauge, wall mounting bracket, and hose. Contents stored under pressure at approximately 195 psi. 5 and 10 lb. sizes.
 - b. Extinguisher Brackets: Surface wall-mounted type, size and carrying capacity required for each extinguisher; by the extinguisher manufacturer.
 - c. Cabinet-Mounted Type: ABC Multi-Purpose Dry Chemical. Same as described above, 10 lb. capacity.
- 2.3 Fire Extinguisher Cabinets: Specify type for fire-rated walls (where required) with the flush doors, horizontal black lettering, stainless steel finish. Fabricate cabinets in accordance with ASTM E814 to measure fire resistance.
- 2.4 Gypsum board construction shall be specified to be reinforced to carry anchor loads without crushing or anchor pullout.

DESIGN REQUIREMENTS

- 2.5 Specify coordination of installation of fire extinguisher cabinets with masonry installation (where relevant) to assure proper fit, and that the fire protection vendor provide backboxes to the mason for incorporation as work progresses. Specify that precautions be taken to protect backboxes after installation.

CONSTRUCTION REQUIREMENTS

3.1 General:

- a. Install work plumb, level and true-to-line, at plan locations and mounting heights shown. Anchor work securely.
- b. Install work without damaging adjacent construction and with evidence of drilling, cutting, and fitting concealed by installed accessories.
- c. Anchor brackets securely in place, using anchors appropriate for fixtures and substrates. In all cases, anchors shall pass through applied wall finishes without bearing on them, and shall securely engage substrate.

3.2 Adjusting, Cleaning, and Protection:

- a. Correct nonconforming and damaged work. Replace work that cannot be corrected at the Project.
- b. Cleaning: Remove temporary covering and wrapping at the substantial completion of the Project. Clean and polish accessories.
- c. Protection: Protect accessories from damage, abuse and theft. Replace damaged and missing parts. If accessories are installed before adjoining surfaces are painted, remove and/or properly protect it in place until painting is completed.

REFERENCE

- 4.1 The applicable CSI Specification Section is 10 44 00.