

Design Requirements: Refer to SREF. Equivalent products of other Manufacturers may be proposed, but in no case should extinguishers have a plastic valve and handle assembly.

Fire Extinguishers and Fire Blankets.

General: Fire extinguishers and fire blankets are provided as follows (Class ABC extinguishers may be used for all types of fires classified as A, B, or C except as modified below). Provide fire extinguishers for each extinguisher cabinet and other locations indicated, in colors and finishes selected by Architect from Manufacture's Standard which comply with requirements of S.R.E.F. UL approved fire extinguishers shall be provided as per NFPA 10 for all buildings and located by the Duval County School Board Director of Safety in cooperation with the Office of Facilities Planning and Construction Project Manager. (Recessed type in exit Corridors).

- a. 10# ABC shall be provided in all Corridors and Kiln Rooms.
- b. 10# CO₂ extinguishers shall be provided in all Mechanical spaces.
- c. FE-36 (5lb) extinguishers or a suitable equal shall be provided in all Computer Areas, Media Centers and Laboratories.

Fire extinguishers and fire blankets are placed in locations which are readily accessible and suitable for the hazard present and are readily visible. Extinguishers and blankets are on hangers or brackets, shelves, or cabinets so that the top of the extinguisher or blanket is five (5) feet or less AFE (objects projecting more than four (4) inches from the wall will comply with State and Federal accessibility requirements).

Class A fire extinguishers of at least 4-A capacity are installed in spaces where wood and paper are stored, such as woodworking shops and storerooms, and in each portable/relocatable classroom. Throughout an educational facility, Class A fire extinguishers are located so that the travel distance from any point in the facility to an extinguisher is seventy-five (75) feet or less.

Class B fire extinguishers of at least 20-B:C capacity are installed in spaces where flammable liquids are stored, such as science labs, auto shops, boiler rooms, duplicating stations, and bulk storage of paints, and extinguishers are located so that the travel distance from any point in the space to an extinguisher is fifty (50) feet or less.

Alkaline dry chemical extinguishers, such as sodium bicarbonate or potassium bicarbonate, are installed within fifteen (15) feet of cooking equipment in kitchens, home economics labs, teacher lounges, classrooms, etc.

Class C fire extinguishers of at least 20-B:C capacity are installed in locations where electrical devices are likely to overheat, such as electronic labs and equipment rooms.

Fire extinguishers are readily accessible at all times. (Fire extinguishers may be located inside student-occupied spaces provided they are located adjacent to the primary exit door and the door remains unlocked when the facility is occupied, and a permanently affixed sign, with a red background and white letters reading "FIRE EXTINGUISHER INSIDE" is placed on the outside

adjacent to the door). *Extinguishers remain fully charged and operable at all times and are tagged to indicate compliance, including the date of inspection.*

Fire blankets are located in each laboratory and each shop where a personal fire hazard may exist.

Fire extinguishers shall not be located on building exteriors.

Mounting Brackets: Provide Manufacturer's Standard Bracket.
Provide brackets for extinguishers not located in cabinets.

Fire Extinguisher Cabinets

- a. Cabinet Type: Semi-recessed enameled steel box with aluminum trim and door. Aluminum Anodized Finishes: Color Anodized Finish: AA-M32C22A42 (medium satin mechanical finish, medium matte etched finish with 0.7 mil minimum thick integrally colored anodic coating).
- b. Cabinets shall not project more than 4" from wall.
- c. Door Style: Full glass panel.
- d. Door Hardware: Provide either lever handle with cam action latch, or door pull, exposed or concealed, and friction latch. Provide concealed or continuous type hinge permitting door to open 180°.

Identify fire extinguisher in cabinet with lettering spelling "FIRE EXTINGUISHER" painted on door by silk-screen process. Identify bracket mounted extinguishers with red letter decals spelling "FIRE EXTINGUISHER" applied to wall. Letter size, style, and location are selected by Architect.

Identify all fire extinguishers with permanent marking (non-removable label, engraving, and silk screen process) as follows:

PROPERTY OF

DUVAL COUNTY PUBLIC SCHOOLS

-UNLAWFUL FOR PERSONAL USE-

END OF SECTION 10522