PART 0 A/E INSTRUCTIONS

0.01 GENERAL DESIGN REQUIREMENTS

A. Provide fire extinguisher, valve, and hose cabinets as required by the local Denver Building Codes enforced at the time of design and in consultation with the Denver Fire Department.

B. Architect shall coordinate with Mechanical Engineer locations for fire valves and hose cabinets that may be required.

C. Locate all fire extinguishers in glass/lever door cabinets when used in public spaces and at (but not limited to) the following locations: corridors, classrooms that require them by the Denver Fire Department, Science Labs, Computer Labs, Art Classrooms, Home Economics, Industrial Arts Shops.

D. Use both semi-recessed and flush mounting where appropriate for building materials.

E. Architect shall coordinate where fire-rated cabinets are required. Surface mounted units are prohibited.

F. Architect shall review with both the DPS Project Manager and the Denver Fire Department the type and size of fire extinguishers required.

G. Architect shall coordinate the wall depth with the cabinet depths

H. Cabinets doors shall be free of any obstructions for door operation.

I. Cabinets shall be located in conformance to ADA Guidelines for mounting heights and protrusion from wall.

J. Use minimal glass dimensions for cabinet doors and provide with lever action opening device.

K. No full glass or solid doors are to be used.

L. Painted graphics shall conform to the requirements of NFPA-10. Surface applied vinyl or plastic is prohibited.

M. Provide fire extinguishers in all Server Rooms and Electrical Rooms.

N. Provide fire blankets and cabinet in Science Rooms.

O. Extinguishers not in cabinets must be on matching brackets capable of supporting weight and of unit. Provide fire treated and curfed blocking within wall.

PART 1 GENERAL

1.01 QUALITY ASSURANCE

A. Where fire-rated cabinet assemblies are indicated or required, provide assemblies that have been tested, listed and labeled in accordance with (ASTM E-814) by a nationally recognized independent testing and inspection agency acceptable to authorities having jurisdiction.

B. Provide fire extinguishers, cabinets and accessories by a single manufacturer, per category.

C. Conform to NFPA10-Portable Fire Extinguishers.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Provide fire protection specialties as manufactured by one of the following:

1. JL Industries, Inc.
2. Larsen's.
3. Potter Roemer.

2.02 FABRICATION

A. Furnish cabinet assemblies manufactured as an integral unit, complete with all parts and ready for installation.

B. Continuous piano hinges and pull handles for all cabinet doors.

C. Locking Devices- provide panic release lever in public spaces.

2.03 MATERIALS

A. Cabinet Metals:

1. Cold-rolled steel – heavy gauge

B. Cabinet Finishes:

1. Baked Enamel over factory phosphate dipped and prime coated steel.

C. Cabinet Glazing:

1. Clear 1/8" scored and breakable acrylic

D. Fire Extinguishers

1. Multi-purpose dry chemical. (Class ABC)
2. Regular dry chemical (Class K)
3. Wet chemical (Class K)

E. Accessories

1. Fire Blankets and cabinets.
2. Extinquisher brackets.

PART 3 EXECUTION

3.01 INSTALLATION

A. Coordinate installation with work of other trades obtaining exact locations from mechanical installers of hose valves.

B. Provide fire treated blocking.

C. Fire rating of wall must be maintained in cabinet cavity.

3.02 SPARE PARTS

A. Minimum of 2 10 lbs. ABC extinguishers or 5%- whichever is greater.

B. 10 hardware and mechanism.

C. 2 spare cabinets at H.S. and M.S.

3.30 TRAINING

A. Provide training on use of each type of extinguisher for the building's Facility Manager.

END OF SECTION 10520