

SECTION 10520
FIRE PROTECTION SPECIALTIES

SECTION INDEX

PART 1 – GENERAL	1
1.1 SYSTEM DESCRIPTION	1
1.2 SUBMITTALS.....	1
1.3 PROJECT CONDITIONS.....	1
PART 2 –PRODUCTS	1
2.1 FIRE EXTINGUISHER, FIREHOSE, AND HOSE VALVE CABINETS.....	1
PART 3 – EXECUTION	2
3.1 PREPARATION	2
3.2 INSTALLATION	2

PART 1 - GENERAL

1.1 SYSTEM DESCRIPTION

A. Design Requirements

1. Design fire extinguisher cabinets for one or two extinguishers as indicated.
2. Design fire hose cabinets to accommodate a fire extinguisher and 9 meters (100 feet)] of PR Super Flex hose with adjustable fog nozzle and provide cutout for [38-mm (1-1/2-inch)] [63-mm (2-1/2-inch)] single valve.
3. Provide hose valve cabinet with cutout for [38-mm (1-1/2-inch)] single valve.

1.2 SUBMITTALS

A. Shop Drawings

1. Submit Shop Drawings of each item, showing layout and details of fabrication and installation.

B. Samples

1. Submit Samples of metal finishes.

C. Maintenance Instructions

1. Submit maintenance instructions for finished materials.

1.3 PROJECT CONDITIONS

A. Field Measurements

1. Take field measurements to verify or supplement dimensions indicated. Be responsible for accurate fit of the Work.

PART 2 - PRODUCTS

2.1 FIRE EXTINGUISHER, FIRE HOSE, AND HOSE VALVE CABINETS

A. Manufacturers

1. J.L. Industries, Inc.; Larsen's Manufacturing Co.; Potter-Roehmer; or as approved.

- B. Fabrication - General
 - 1. Fabricate cabinets of minimum 20 gage steel with corner seams welded and ground smooth and white enamel finish, for recessed mounting.
 - 2. Cabinets recessed in one- or two-hour-rated partitions: UL-listed with UL listing mark and fire-resistance rating of wall where it is installed.
 - 3. Door and frame: prime painted steel with continuous stainless steel hinge.
- C. Door
 - 1. 20 gage minimum flush solid metal with cam catch assembly and horizontal engraved letters.
- D. Frame
 - 1. 18 gage minimum, [flush trim] [trimless] style for mounting in wallboard, plaster or masonry partitions.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Protection
 - 1. Protect the Work and adjacent construction against damage.

3.2 INSTALLATION

- A. General
 - 1. Install cabinets in accordance with manufacturer's instructions, approved Shop Drawings and specified requirements. Furnish each item with required fasteners.
- B. Fire Extinguisher, Fire Hose, and Hose Valve Cabinets
 - 1. Install cabinets in wall recess before installation of wallboard, plaster or masonry.

END OF SECTION

SECTION 10950
MISCELLANEOUS SPECIALTIES

SECTION INDEX

PART 1 –GENERAL	1
1.1 REFERENCES.....	1
1.2 SUBMITTALS.....	1
1.3 PROJECT CONDITIONS	2
PART 2 –PRODUCTS	2
2.1 FINISH FOR ALUMINUM.....	2
2.2 COAT RACKS - WALL MOUNTED.....	2
2.3 COAT AND HAT RACKS – FREE STANDING	2
2.9 JANITOR CLOSET UTILITY SHELF.....	3
2.13 VESTIBULE MAT	3
PART 3 –EXECUTION	3
3.1 PREPARATION.....	3
3.2 INSTALLATION	3
3.3 CLEANING	3

PART 1 - GENERAL

1.1 REFERENCES

- A. Aluminum Association (AA)
 - 1. DAF-45 - Designation System for Aluminum Finishes.
 - 2. SAA-46 - Standards for Anodized Architectural Aluminum.
- B. American Society for Testing and Materials (ASTM)
 - 1. A36/A36M - Specification for Carbon Structural Steel.
 - 2. A786/A786M - Specification for Rolled Steel Floor Plates.
- C. National Fire Protection Association (NFPA)
 - 1. 252 - Methods of Fire Tests of Door Assemblies.
- D. Underwriters Laboratories Inc. (UL)
 - 1. 10B - Fire Tests of Door Assemblies.

1.2 SUBMITTALS

- A. Shop Drawings
 - 1. Submit Shop Drawings of each item, showing layout and details of fabrication and installation.
- B. Samples
 - 1. Submit Samples of the following:
 - a. Metal finishes.
- C. Maintenance Instructions
 - 1. Submit maintenance instructions for finished materials and operating and maintenance instructions for operating components.

1.3 PROJECT CONDITIONS

- A. Field Measurements
 - 1. Take field measurements to verify or supplement dimensions indicated. Be responsible for accurate fit of the Work.

PART 2 - PRODUCTS

2.1 FINISH FOR ALUMINUM

- A. Clear Anodic Finish
 - 1. For work specified to have clear anodic finish, provide an AA-M12C22A31 finish, unless otherwise specified, in accordance with AA DAF-45 and AA SAA-46.
- B. Hard Anodic Finish
 - 1. For work specified to have hard anodic finish, provide an AA-M12C22A42 finish in accordance with AA DAF-45 and AA SAA-46.
 - 2. Color of anodic coating: equal to
Alcoa No. 313 Dark Bronze.

2.2 COAT RACKS - WALL MOUNTED

- A. Manufacturers

Note Drawing requirement. Basic unit. Specify other models for special hooks, etc.

- 1. Nominal 31 cm (12 inch) projection, length and number of shelves indicated, as manufactured by Emco Specialty Products, Inc. or as approved. Brackets and mounts spaced per manufacturer's recommendations.

- B. Fabrication

- 1. Shelves: four extruded aluminum tubes, clear satin finish, with ends closed by brackets or caps.
- 2. Hanger rod: 25-mm (1-inch) minimum o.d. aluminum tube finished and closed same as shelf tubes.
- 3. Brackets: cast aluminum, prevents tubing from turning in brackets.
- 4. Wall mounts: extruded aluminum, provides for vertical adjustment of brackets.
- 5. Finish: Powder-coat in manufacturer's standard color, selected by Architect.

2.3 COAT AND HAT RACKS - FREE STANDING

- A. Manufacturers

- 1. Single face unit, equivalent to Models 20-3, 20-4, per indicated length, as manufactured by Emco Specialty Products, Inc.

- B. Fabrication

- 1. Provide each rack with 3 molded plastic/wire hook hangers per linear foot.
- 2. Provide bottoms of bases with plastic glides.
- 3. Adequately brace each unit to prevent lateral racking and swaying.
- 4. Finish: Powder-coat in manufacturer's standard color, selected by Architect.

2.4 JANITOR CLOSET UTILITY SHELF

- A. Manufacturers
 - 1. American Specialties, Inc. "No. 1308"; Bobrick Washroom Equipment, Inc. "B-239"; or as approved, approximately 860 mm (34 inches) wide with 3 mop holders and 4 rag and towel hooks.
- B. Fabrication
 - 1. Shelf and vertical strip: type 302 stainless steel with No. 4 finish. Mop holders: cadmium-plated steel, with spring-loaded, serrated rubber cams, mounted to strip.

2.4 VESTIBULE MAT

- A. Manufacturers
 - 1. Pawling Corp. "Parco Hi-Rib"; American Floor Products Co., Inc. "Afco Hi-Rib"; R.C. Musson Rubber Co. "Deep-Rib"; or as approved.
- B. Fabrication
 - 1. 11-mm-thick (7/16-inch-thick) solid rubber in manufacturer's standard color selected by the Architect. Edge: beveled.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Protection
 - 1. Protect the Work and adjacent construction against damage.

3.2 INSTALLATION

- A. General
 - 1. Install each item of miscellaneous specialties in accordance with manufacturer's instructions, approved Shop Drawings and specified requirements. Furnish each item with required fasteners.
 - 2. Replace concrete where necessary to properly receive embedded anchors.
- B. Coat Racks
 - 1. Anchor wall mounts to wall with toggle bolts at maximum spacing of 965 mm (38 inches).
- C. Utility Shelf
 - 1. Anchor a utility shelf to the wall of each janitor's closet.
- D. Vestibule Mat
 - 1. Install mat in floor recess with corrugations parallel to thresholds, edges square, straight and parallel to boundary of recess.
 - 2. Where joints are required in large mats for ease of handling, fit the joints tight.

3.3 CLEANING

- A. Upon completion, clean the Work in accordance with manufacturer's instructions.

END OF SECTION