SECTION 101400 - EXTERIOR SIGNAGE

PART 1 - GENERAL

1.1 SUMMARY

A. Related Documents: Provisions established in Conditions of the Contract, Division 1 - General Requirements, and the Drawings are collectively applicable to this Section.

B. Section Includes

1. Identifying devices where shown on the Drawings complete and as specified including the following:

a. Parking signs indicating accessible spaces.

b. Directional and traffic signs, provided by Owner.

2. Coordination for installation of signage provided by others.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Acceptable Manufacturers: Subject to compliance with requirements herein, provide products from one of the following:

1. As selected by Owner.

2.2 HANDICAPPED PARKING

A. Screen Printed Signs:

1. 18 gauge bonderized steel with blue baked enamel finish and white screen printed copy.

2. Copy and Size:

a. "Handicapped Parking Only" - 12 inches by 18 inches.

b. "Van Accessible" - 12 inches by 6 inches.

3. Acceptable Product: Best Traffic Signs No. SS04 with SS52 as required.

B. Post: Galvanized pipe column minimum 9 feet long.

2.3 DIRECTIONAL SIGNS

A. Screen Printed Signs:

1. Extruded aluminum panels with anodic finish and white screen printed copy.

2. Size and Configuration: As indicated on Drawings.

3. Copy: As indicated on Drawings.

4. Acceptable Product: As selected by Owner.

END OF SECTION

SECTION 102800 - TOILET ACCESSORIES

PART 1 GENERAL

1.1 SUMMARY

A. Related Documents: Provisions established in Division 1 General Requirements, and the Drawings are collectively applicable to this Section.

B. Section Includes:

1. Toilet and washroom accessories.
   a. Public Area accessories
   b. Unit accessories

2. Attachment hardware and related trim.

1.2 SUBMITTALS

A. General: Submit in accordance with Section 01330.

B. Product Data: Submit manufacturer's catalog cut sheets, data sheets, installation instructions, maintenance data, and operating instructions.

C. Shop Drawings: Submit setting drawings indicating locations of accessories as indicated on the drawings, including methods of attachment.

D. Samples: Submit actual samples of plastic color chips for selection.

E. Certificates: Verification of grab bar strength and installation.

F. Maintenance Data: Submit operating and maintenance instructions for equipment requiring periodic maintenance.

1.3 QUALITY ASSURANCE

A. Regulatory Requirements

1. Conform to Americans with Disabilities Act Accessibility Guidelines (ADAAG), ANSI A117.1, or local or state codes, whichever is more stringent, for installing work for accessibility to the handicapped.

1.4 DELIVERY, STORAGE, AND HANDLING

A. Deliver, store, and handle products in accordance with Section 01600.

B. Pack accessories individually with protective wrappings.

1.5 SEQUENCING AND SCHEDULING

A. Coordinate work with placement of wall reinforcement and reinforcement of toilet partitions to receive anchor attachments. Supply rough-in data in sufficient time to be built into other work.

B. Do not install accessories until room finishes are completed or as directed by Owner's Superintendent.

1.6 KEYING

A. Supply 3 keys for each accessory to Owner.

B. Master key all accessories.

C. Key coin boxes separately from dispensing unit.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Acceptable Manufacturers: Subject to compliance with requirements indicated, provide products of one of the following:
   1. Public Area Accessories:
      a. Basis oof Design: Bobrick Washroom Equipment, Inc.
      b. Bradley

   2. Unit Accessories:
      a. Refer to the Drawings.

B. Substitutions: Submit in accordance with Section 01600.

2.2 MATERIALS

A. Sheet Steel: ASTM A 366, commercial quality.
B. Zinc Coating: ASTM A 123.
C. Chrome Plating: ASTM B 456, Type SC2.
D. Stainless Steel Sheet: ASTM A 167.
E. Stainless Steel Tubing: ASTM A 269, stainless steel.
F. Adhesive: Contact type, waterproof.
G. Fasteners, Screws, and Bolts: Hot dip galvanized ASTM A386 where concealed; finish to match device where exposed.
H. Expansion Shields: Type as recommended by accessory manufacturer for component and substrate.

2.3 FABRICATION

A. Weld and grind smooth joints of fabricated components.
B. Form exposed surfaces from single sheet of stock, free of joints.
C. Form surfaces flat without distortion. Maintain flat surfaces without scratches or dents.
D. Back paint components where contact is made with building finishes to prevent electrolysis.
E. Shop assemble components and package complete with anchors and fittings.
F. Provide steel anchor plates, adapters, and anchor components for installation.

2.4 FACTORY FINISHING

A. Galvanizing: ASTM A 123 to 1.25 ounces per square foot.
B. Shop Primed Ferrous Metals: Pretreat and clean; spray apply one coat primer and bake.
C. Chrome/Nickel Plating: ASTM B 456, Type SC 2 satin finish.
D. Stainless Steel: No. 4 satin luster finish.

PART 3 EXECUTION

3.1 EXAMINATION

A. Examine conditions and proceed with Work in accordance with Section 01450.
B. Verify that site conditions are ready to receive work and dimensions are as indicated on shop drawings and instructed by the manufacturer.
C. Check openings for plumbness of blocking and frames.

D. Beginning of installation means acceptance of existing conditions.

3.2 PREPARATION

A. Deliver inserts and rough-in frames to site at appropriate time for rough installation.
B. Provide templates and rough-in measurements as required.
C. Verify exact location of accessories for installation.
D. Protect adjacent or adjoining finished surfaces and work from damage during installation.

3.3 INSTALLATION

A. Install using skilled workmen in accordance with manufacturers' printed instructions.
B. Install plumb and level, securely and rigidly anchored to substrate.
C. Locate accessories in order that they do not interfere with door swings or use of fixtures. Install recessed accessories after wall finishes have been completed.
D. Anchor accessories with bolts, plates, and approved type fasteners. Take down any loose items and repair damaged wall surfaces.
E. Mount surface mounted accessories to backup material with steel screws, plumb and align.
F. Anchor grab bars to drywall with concealed 16 gage steel anchor plates.

3.4 SCHEDULE – COMMON AREA TOILETS

A. Provide product indicated or equivalent from manufacturer’s listed above.
B. Grab Bars:
    1. Material: 1-1/2 diameter stainless steel, satin finish.
    2. Construction: 1-1/2 inch clearance between grab bar and wall.
    3. Mounting: Concealed plates with no exposed fasteners.
    4. Selected Products: Series B-6106, Bobrick.

C. Paper Towel Dispenser:
    1. Material: 22 gage stainless steel, satin finish.
    2. Construction: Cabinet with 3/16 inch diameter stainless steel piano hinge and tumbler lock.
    3. Mounting: Surface mounted.
    4. Dispenser Capacity: 400C-Fold or 525 multifold paper towels.
    5. Selected Product: B-2620, Bobrick.

D. Toilet Tissue Dispenser – Surface-mounted:
    1. Material: Satin stainless steel.
    2. Mounting: Surface mount vertically – 20 inches AFF - centerline.
    3. Capacity: 1 each per toilet.
    4. Selected Product: B-2888, Bobrick.

E. Lavatory Mounted Liquid Soap Dispenser: Countertop model.
    1. Selected Products: Series B-822, Bobrick.

F. Framed Mirror:
   1. Material: 1/4 inch clear polished plate mirror with 20 gage galvanized steel back and stainless steel retainerchannel.
   2. Mounting: Concealed wall hanger and theft resistant locking screws.
   3. Selected product: Bobrick.
   4. Model: B-165 2436.

3.5 SCHEDULE - LIVING UNITS
A. Refer to the Drawings.

END OF SECTION

SECTION 10 44 13 - FIRE EXTINGUISHERS & CABINETS

PART 1 - GENERAL

1.1 SUMMARY

A. Related Documents: Provisions established in General of the Contract, Division 1 General Requirements, and the Drawings are collectively applicable to this Section.

B. Section Includes:

1. Fire extinguishers.
2. Fire extinguisher cabinets.
3. Mounting hardware.

1.2 DEFINITIONS

A. Where indicated on the Drawings the abbreviation "FEC#" defines a fire extinguisher and cabinet and the abbreviation "FE" is for fire extinguisher without cabinet.

1.3 SUBMITTALS

A. General: Submit in accordance with Section 01330.

B. Product Data: Include physical dimensions, operational features, color and finish, anchorage details, material descriptions and type of hardware.

C. Shop Drawings: Include rough-in measurements, locations, and details for cabinets.

D. Samples: Submit sample of manufacturer's standard finish and colors and specified.

1.4 OPERATION AND MAINTENANCE DATA

A. Submit under provisions of Section 01780.

B. Maintenance Data: Include test, refill or recharge schedules and recertification requirements.

1.5 QUALITY ASSURANCE

A. Single Source Responsibility: Obtain products in this Section from one manufacturer.

B. Certifications

1. Provide extinguishers which are U.L. listed and bear the U.L. "Listing Work" for type, rating, and classification.
2. Conform to NFPA-10 requirements for extinguishers.
3. Provide units conforming with ANSI/UL 711 and ANSI/UL 92.

1.6 DELIVERY, STORAGE, AND HANDLING.

A. Deliver, store and handle products in accordance with Section 01600.

B. Store extinguishers in protected location until after final cleaning is completed.

1.7 PROJECT/SITE CONDITIONS

A. Environmental Requirements: Do not store products subject to freeze damage in environments where damage could occur.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Acceptable Manufacturers: Subject to compliance with requirements indicated, provide products of one of the following:
   1. JL Industries.
   2. Larsens Manufacturing Co.
   3. Potter-Roemer.
   4. CATO, Inc.

B. Substitutions: Submit under provisions of Section 01600.

C. JL Industries used as a standard of quality in products below where model numbers or styles are indicated.

2.2 FIRE EXTINGUISHERS

A. Multi-purpose dry chemical type U.L. 299, (ammonium phosphate), with pressure gauge
   1. Capacity: 10.0 lbs.
   2. Size: 5-inch diameter, 20 ½-inches tall, 9-inches wide.
   3. U.L. Rating: 4A:60B:C, minimum.
   4. Acceptable Product:
      a. Cosmic 10E by JL Industries.
      b. MP10 by Larsen's.

2.3 CABINETS

A. Semi-recessed Cabinet(indicated as FEC1 on the Drawings)
   1. Cabinet box partially recessed in walls of sufficient depth to suit style of trim indicated; with one-piece combination trim and perimeter door frame overlapping surrounding wall surface with exposed trim face and wall return at outer edge (backbend). Provide where walls are of insufficient depth for recessed cabinets but are of sufficient depth to accommodate semi-recessed cabinet installation.
   2. Formed sheet steel, 20 gage, size to accommodate accessories.
      a. Trim: Enameled steel sheet, returned to wall surface.
      b. Door: 20 gage; enameled steel sheet, reinforced for flatness and rigidity; partial vertical glass front design.
      c. Glass: Acrylic.
   3. Square-Edge Trim: 1-1/4- to 1-1/2-inch (32- to 38-mm) backbend depth.
   4. Mounting Hardware: Appropriate to cabinet.
   5. Graphic Identification: Applied decal or pressure-sensitive vinyl letters. Apply vertically.
   6. Acceptable Product: Ambassador 1017V10 by JL Industries.

B. Semi-recessed Cabinet(indicated as FEC2 on the Drawings) for Rated Walls
   1. Cabinet box partially recessed in walls of sufficient depth to suit style of trim indicated; with one-piece combination trim and perimeter door frame overlapping surrounding wall surface with exposed trim face and wall return at outer edge (backbend). Provide where walls are of insufficient depth for

recessed cabinets but are of sufficient depth to accommodate semi-recessed cabinet installation.

2. Formed sheet steel, 20 gage, size to accommodate accessories.
   a. Trim: Enameled steel sheet, returned to wall surface.
   b. Door: 20 gage; enameled steel sheet, reinforced for flatness and rigidity; partial vertical glass front design.
   c. Glass: Acrylic.

3. Square-Edge Trim: 1-1/4- to 1-1/2-inch (32- to 38-mm) backbend depth.
4. Mounting Hardware: Appropriate to cabinet.
5. Rating: Same as wall where cabinet is installed.
6. Graphic Identification: Applied decal or pressure-sensitive vinyl letters. Apply vertically.
7. Acceptable Product: Ambassador 1017V10 by JL Industries.

C. Surface-Mounted Cabinet (indicated as FEC3 on the Drawings)
   1. Cabinet box fully exposed and mounted directly on wall with no trim. Provide where walls are of insufficient depth for recessed cabinet installation.
   2. Injection molded high-impact crystal polystyrene, size to accommodate accessories.
      a. Door (Break Panel): Virgin acrylic Plaskolite panel, .080-inch thick, grid-scored, UV resistant; cylinder lock and key, hammer and stainless steel cable.
   3. Mounting Hardware: Appropriate to cabinet.
   4. Graphic Identification: Applied decal or pressure-sensitive vinyl letters.
      a. UV resistant instruction label for break panel; CL-415, Cato, Inc.
      b. Fire extinguisher graphidc symbol; CL-401, Cato, Inc.

   5. Acceptable Product: 105-10: Cato, Inc.

D. Bracket Mounted (indicated as FE on the Drawings)
   1. Mounting Bracket: Manufacturer's standard steel, designed to secure fire extinguisher to fire protection cabinet, of sizes required for types and capacities of fire extinguishers indicated, with plated or baked-enamel finish.

E. Accessories:
   1. Identification: Lettering complying with authorities having jurisdiction for letter style, size, spacing, and location. Locate as indicated.
      a. Identify fire extinguisher in fire protection cabinet with the words "FIRE EXTINGUISHER."
         1) Location: Shipped loose in template form for field application.
         2) Application Process: Decal or pressure-sensitive vinyl letters.
         3) Orientation: Vertical.

2.4 FABRICATION

A. Form body of cabinet with tight inside corners and seams.
B. Predrill holes for anchorage.

C. Form perimeter trim and door stiles by welding, filling, and grinding smooth.
D. Hinge doors for 180 degree opening with continuous piano hinge. Provide nylon roller type catch.
E. Cabinet Construction: Non-rated, and 2-hour fire rated.
1. Fire-Rated Cabinets: Construct fire-rated cabinets with double walls fabricated from 0.0428-inch- (1.1-mm-) thick, cold-rolled steel sheet lined with minimum 5/8-inch- (16-mm-) thick, fire-barrier material. Provide factory-drilled mounting holes.

2.5 FINISHES
A. Extinguisher: Red enamel.
B. Cabinet Trim and Door: Baked enamel, white.
C. Cabinet Interior: Baked enamel, white.
D. Graphic Identification: Black.

PART 3 - EXECUTION

3.1 EXAMINATION
A. Examine conditions and proceed with Work in accordance with Section 01450.
B. Verify rough openings for cabinets are correctly sized and located.
C. Beginning of installation indicates acceptance of existing conditions.

3.2 CABINET INSTALLATION
A. Install using skilled workmen in accordance with manufacturer's printed instructions.
B. Install cabinets plumb and level in wall openings and locations shown on the Drawings. Install compliant with applicable accessibility requirements.
1. Fire Protection Cabinets: 54 inches (1372 mm) above finished floor to top of cabinet.

C. Securely attach cabinets in place to framed rough opening.
D. Fasten cabinets to structure, square and plumb.
1. Fasten mounting brackets to inside surface of fire protection cabinets, square and plumb.

3.3 FIRE EXTINGUISHER INSTALLATION
A. General: Install fire extinguishers in each cabinet and/or on mounting brackets in locations indicated and in compliance with requirements of authorities having jurisdiction.
1. Mounting Brackets: 54 inches (1372 mm) above finished floor to top of fire extinguisher.
a. Mounting Brackets: Fasten mounting brackets to surfaces, square and plumb, at locations indicated.

3.4 IDENTIFICATION
A. Identify fire extinguisher locations with the following methods.
1. Identify fire extinguisher cabinets, use vertical decal spelling "FIRE EXTINGUISHER" applied to cabinet doors after field painting.

END OF SECTION