

SECTION 101400 - SIGNAGE

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. Submittals: Product Data, Shop Drawings, and Samples.
- B. Regulatory Requirements: Comply with applicable provisions in the U.S. Architectural & Transportation Barriers Compliance Board's ADA-ABA Accessibility Guidelines and ICC/ANSI A117.1.
- C. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Aluminum Castings: Alloy recommended by sign manufacturer for casting process used and for use and finish indicated.
- B. Aluminum Sheet: ASTM B 209, alloy and temper recommended by aluminum producer and finisher, with not less than the strength and durability of 5005-H15.
- C. Aluminum Extrusions: ASTM B 221, alloy and temper recommended by aluminum producer and finisher, with not less than the strength and durability properties of 6063-T5.
- D. Acrylic Sheet: ASTM D 4802, Category A-1 (cell-cast sheet), Type UVA (UV absorbing).
- E. Plastic Laminate: High-pressure laminate engraving stock with face and core in contrasting colors.
- F. Applied Vinyl: Die-cut characters from vinyl film of nominal thickness of 3 mils with pressure-sensitive adhesive backing, suitable for exterior applications.

2.2 SIGNS

- A. Dimensional Characters for Building Mounted Exterior Signage: Cast-aluminum characters.
 - 1. Finish and Color: As selected from manufacturer's full range.
- B. Interior Panel Signs: Reverse silk-screened clear acrylic with opaque background with beveled edges and square corners.
 - 1. Finishes and Colors: As selected from manufacturer's full range.
 - 2. Tactile Characters: Characters and Grade 2 Braille raised 1/32 inch above surface with contrasting colors.
 - 3. Provide signs where indicated on the drawings.
- C. Exterior Ground Mounted Framed Panel Signs: Extruded-aluminum frames with aluminum sheet face panels with character cutouts and translucent acrylic panel chemically welded to interior face of aluminum face panels.

1. Finishes and Colors: As selected from manufacturer's full range.
 2. Illuminated Signs: Manufacturer's standard fluorescent tube lighting including transformers, insulators, and other components.
- D. Exterior Ground Mounted Site Directional Framed Panel Signs: Extruded-aluminum frames with aluminum sheet face panels with vinyl cutout self adhesive applied characters to interior face of aluminum face panels.
1. Finishes and Colors: As selected from manufacturer's full range.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Locate signs where indicated or directed by Architect. Install signs level, plumb, and at heights indicated, with sign surfaces free from distortion and other defects in appearance.
- B. Interior Wall-Mounted Signs:
 1. Two-Face Tape: Mount signs to smooth, nonporous surfaces, other than vinyl.
- C. Dimensional Characters for Building Mounted Exterior Signage: Mount characters with backs in contact with wall surface.

END OF SECTION 101400

SECTION 102113 - TOILET COMPARTMENTS

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. Submittals: Product Data, Shop Drawings.
- B. Regulatory Requirements: Comply with ICC/ANSI A117.1 for toilet compartments designated as accessible.

PART 2 - PRODUCTS

2.1 TOILET COMPARTMENTS AND SCREENS

- A. Products:
 - 1. Bradley Corporation.
 - 2. Hadrian Inc., Essetials
 - 3. Metpar Corp

2.2 MATERIALS

- A. Steel Sheets for Color-Coated Finish: Mill-phosphatized, corrosion-resistant steel sheet.
 - 1. Electrolytically Zinc Coated: ASTM A 879/A 879M, 01Z.
 - 2. Hot-Dip Galvanized: ASTM A 653/A 653M.
- B. Core Material for Metal-Faced Units: Sound-deadening honeycomb of resin-impregnated kraft paper in thickness required to provide finished thickness of 1 inch minimum for doors, panels, and screens and 1-1/4 inches minimum for pilasters.
- C. Pilaster Shoes and Sleeves (Caps): Stainless steel, not less than 3 inches high.
- D. Brackets: Stirrup or Continuous.
 - 1. Material: Manufacturer's standard.

2.3 FABRICATION

- A. Toilet Compartments: Overhead braced and floor anchored.
- B. Urinal Screens: Wall hung.
- C. Metal Units: Internally reinforce metal panels for hardware, accessories, and grab bars.
- D. Doors: Unless otherwise indicated, 24-inch- wide in-swinging doors for standard toilet compartments and 36-inch- wide (swing as indicated on the drawings) doors with a minimum 32-inch- wide clear opening for compartments indicated to be accessible to people with disabilities.
- E. Door Hardware: Stainless steel. Provide units that comply with accessibility requirements of authorities having jurisdiction at compartments indicated to be accessible to people with disabilities.
 - 1. Hinges: Self-closing type, adjustable to hold door open at any angle up to 90 degrees.

2. Latches and Keepers: Surface-mounted unit designed for emergency access and with combination rubber-faced door strike and keeper.
3. Coat Hook: Combination hook and rubber-tipped bumper, sized to prevent door from hitting compartment-mounted accessories.
4. Door Bumper: Rubber-tipped bumpers at out-swinging doors or entrance screen doors.
5. Door Pull: Provide at out-swinging doors. Provide units on both sides of doors at compartments indicated to be accessible to people with disabilities.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install units rigid, straight, level, and plumb, with not more than 1/2 inch between pilasters and panels and not more than 1 inch between panels and walls. Provide brackets, pilaster shoes, bracing, and other components required for a complete installation. Use theft-resistant exposed fasteners finished to match hardware. Use sleeve nuts for through-bolt applications.
 1. Stirrup Brackets: Align brackets at pilasters with brackets at walls. Locate wall brackets so holes for wall anchors occur in masonry or tile joints.
 2. Set hinges on in-swinging doors to hold open approximately 30 degrees from closed position when unlatched. Set hinges on out-swinging doors and swing doors in entrance screens to return to fully closed position.

END OF SECTION 102113

SECTION 102600 - WALL AND DOOR PROTECTION

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. Submittals: Product Data and material Samples.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Extruded Plastic: ASTM D 1784, Class 1, textured, PVC or acrylic-modified vinyl plastic.
 - 1. Impact Resistance: Minimum 25.4 ft-lbf/in. of notch when tested according to ASTM D 256, Test Method A.
 - 2. Flame-Spread Index: 25 or less per ASTM E 84.
 - 3. Smoke-Developed Index: 450 or less per ASTM E 84.
- B. Adhesive: Recommended by manufacturer for use with material and substrate indicated.

2.2 WALL AND DOOR PROTECTION

- A. Impact-Resistant Wall Covering: Extruded-plastic sheet 0.040 inch thick.
 - 1. Provide Impact Resistant Wall Coverings, 18" high by 24" long, directly adjacent to door frames indicated on the plan, mounted directly above the scheduled base.
 - 2. Manufacturers:
 - a. Koroseal
 - b. InPro Corporation, Inc.
 - c. Pawling Corporation
 - d. Approved Equal..
 - 3. Color and Texture: As selected by Architect.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install components level, plumb, and true to line without distortions.
- B. Apply impact-resistant wall covering with full spread of adhesive unless otherwise recommended by manufacturer. Install full height with seams vertical.

END OF SECTION 102600

SECTION 102800 - TOILET, BATH, AND LAUNDRY ACCESSORIES

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. Submittals: Product Data.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Stainless Steel: ASTM A 666, Type 304, No. 4 finish (satin), 0.0312-inch minimum nominal thickness unless otherwise indicated.
- B. Brass: ASTM B 19, ASTM B 16, or ASTM B 30.
- C. Aluminum: ASTM B 221, Alloy 6063-T6 or 6463-T6.
- D. Sheet Steel: ASTM A 1008/A 1008M, 0.0359-inch minimum nominal thickness.
- E. Galvanized-Steel Sheet: ASTM A 653/A 653M, G60.
- F. Chromium Plating: ASTM B 456, Service Condition Number SC 2 (moderate service).
- G. Baked-Enamel Finish: Factory-applied, gloss-white, baked-acrylic-enamel coating.
- H. Tempered Glass: ASTM C 1048, Kind FT (fully tempered).
- I. Mirrors: ASTM C 1503, Mirror Glazing Quality, clear-glass mirrors, nominal 6.0 mm thick.
- J. Galvanized-Steel Mounting Devices: ASTM A 153/A 153M, hot-dip galvanized after fabrication.
- K. Fasteners: Screws, bolts, and other devices of same material as accessory unit, tamper and theft resistant when exposed, and of galvanized steel when concealed.
- L. Keys: Provide universal keys for internal access to accessories for servicing and resupplying. Provide minimum of six keys to Owner's representative.

2.2 TOILET AND BATH ACCESSORIES

- A. Manufacturers:
 - 1. Bobrick
 - 2. Bradley Corporation
 - 3. A&J Washroom
- B. Provide products as scheduled on the Drawings.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install accessories using fasteners appropriate to substrate indicated and recommended by unit manufacturer. Install units level, plumb, and firmly anchored in locations and at heights indicated.
 - 1. Install grab bars to withstand a downward load of at least 250 lbf, when tested according to method in ASTM F 446.
- B. Adjust accessories for unencumbered, smooth operation and verify that mechanisms function properly. Replace damaged or defective items. Remove temporary labels and protective coatings.

END OF SECTION 102800

SECTION 104413 - FIRE EXTINGUISHER CABINETS

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. Submittals: Product Data.

PART 2 - PRODUCTS

2.1 FIRE-PROTECTION CABINETS

- A. Fire-Protection Cabinets: Enameled-steel, semi-recessed-mounted where possible, or surface-mounted cabinets for fire extinguisher.
 - 1. Manufacturers:
 - a. Larsen's Manufacturing.
 - b. J.L. Industries.
 - c. Potter-Roemer.

- B. Cabinet Construction: Nonrated.

- C. Cabinet Material: Steel sheet.
 - 1. Trim Style: Square trim.
 - 2. Trim Material: Steel.

- D. Door Material: Steel.
 - 1. Door Style: Vertical duo.
 - 2. Door Glazing: Tempered float glass.

- E. Accessories: Mounting brackets, Identification lettering.

- F. Finishes:
 - 1. Manufacturer's standard baked-enamel paint for the following:
 - a. Exterior of cabinet, door, and trim except for those surfaces indicated to receive another finish.
 - b. Interior of cabinet and door.
 - 2. Steel: Baked enamel or powder coat.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install cabinets at 54 inches above finished floor to top of cabinet, or at heights acceptable to authorities having jurisdiction.

END OF SECTION 104413

SECTION 104416 - FIRE EXTINGUISHERS

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. Submittals: Product Data.
- B. Install new fire extinguishers at new and existing locations.

PART 2 - PRODUCTS

2.1 FIRE EXTINGUISHERS

- A. Portable Fire Extinguishers: NFPA 10, listed and labeled for the type, rating, and classification of extinguisher.
 - 1. Manufacturers:
 - a. Larsen's Manufacturing.
 - b. J.L. Industries.
 - c. Potter-Roemer.
 - 2. Multipurpose Dry-Chemical Type: UL-rated 2-A:10-B:C, 10-lb nominal capacity, in enameled-steel container.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install fire extinguishers in cabinets where indicated.
- B. Install fire extinguishers in brackets where indicated.

END OF SECTION 104416