

**SECTION 10 14 00  
SIGNAGE**

**PART 1 - GENERAL**

**1.1 DESCRIPTION**

- A. This section specifies interior signage for room numbers, and code required signs.

**1.2 RELATED WORK**

- A. Electrical: Related Electrical Specification Sections.
- B. Lighted EXIT signs for egress purposes are specified under Division 26, ELECTRICAL.
- C. Color Finish: As selected from manufacturer's full color line.

**1.3 MANUFACTURER'S QUALIFICATIONS**

Sign manufacturer shall provide evidence that it regularly and presently manufactures signs similar to those specified in this section as one of its principal products.

**1.4 SUBMITTALS**

- A. Submit in accordance with Section 01 33 00, SHOP DRAWINGS, PRODUCT DATA AND SAMPLES.
- B. Samples: Sign panels and frames, with letters and symbols, each type. Submit 2 sets. One set of samples will be retained by Resident Engineer, other returned to Contractor.
  - 1. Sign Panel, 200 mm x 250 mm (6 inches wide x 9 inches high), with letters.
  - 2. Color samples of each color, 150 mm x 150 mm (6 inches x 9 inches. Show anticipated range of color and texture.
  - 3. Sample of typeface, arrow and symbols in a typical full size layout.
- C. Manufacturer's Literature:
  - 1. Showing the methods and procedures proposed for the concealed anchorage of the signage system to each surface type.
  - 2. Manufacturer's printed specifications, anchorage details, installation and maintenance instructions.
- D. Samples: Sign location plan, showing location, type and total number of signs required.
- E. Shop Drawings: Scaled for manufacture and fabrication of sign types. Identify materials, show joints, welds, anchorage, accessory items, mounting and finishes.
- F. Full size layout patterns for dimensional letters.
- G. Typewritten signage schedule.

**1.5 DELIVERY AND STORAGE**

- A. Deliver materials to job in manufacturer's original sealed containers with brand name marked thereon. Protect materials from damage.
- B. Package to prevent damage or deterioration during shipment, handling, storage and installation. Maintain protective covering in place and in good repair until removal is necessary.
- C. Deliver signs only when the site and mounting services are ready for installation work to proceed.
- D. Store products in dry condition inside enclosed facilities.

**1.6 APPLICABLE PUBLICATIONS**

- A. The publications listed below form a part of this specification to the extent referenced. The publications are referenced in the text by the basic designation only.
- B. American Society for Testing and Materials (ASTM):  
 B209-07.....Aluminum and Aluminum-Alloy Sheet and Plate  
 B221-06.....Aluminum and Aluminum-Alloy Extruded Bars, Rods,  
 Wire, Shapes, and tubes.
- C. Federal Specifications (Fed Spec):  
 MIL-PRF-8184F.....Plastic Sheet, Acrylic, Modified.  
 MIL-P-46144C.....Plastic Sheet, Polycarbonate

**1.7 MINIMUM SIGN REQUIREMENTS**

- A. Permanent Rooms and Spaces:
  - 1. Tactile and Braille Characters, raised minimum 0.793 mm (1/32 in). Characters shall be accompanied by Grade 2 Braille.
  - 2. Type Styles: Characters shall be uppercase, Helvetica Medium, Helvetica Medium Condensed and Helvetica Regular.
  - 3. Character Height: Minimum 16 mm (5/8 in) high, Maximum 50 mm (2 in).
  - 4. Symbols (Pictograms): Equivalent written description shall be placed directly below symbol, outside of symbol's background field. Border dimensions of symbol background shall be minimum 150 mm (6 in) high.
  - 5. Finish and Contrast: Characters and background shall be eggshell, matte or other non-glare finish with adequate contrast with background.
  - 6. Mounting Location and Height: As shown. Mounted on wall adjacent to the latch side of the door and to avoid door swing and protruding objects.

**1.8 COLORS AND FINISHES:**

Section 09 06 00, SCHEDULE FOR FINISHES as selected from manufacturer's complete color line.

## **PART 2 - PRODUCTS**

### **2.1 GENERAL**

- A. Signs of type, size and design shown on the drawings and as specified.
- B. Signs complete with lettering, framing and related components for a complete installation.
- C. Provide graphics items as completed units produced by a single manufacturer, including necessary mounting accessories, fittings and fastenings.
- D. Do not scale drawings for dimensions. Contractor to verify and be responsible for all dimensions and conditions shown by these drawings. Resident Engineer to be notified of any discrepancy in drawing, in field directions or conditions, and/or of any changes required for all such construction details.
- E. The Sign Contractor, by commencing work of this section, assumes overall responsibility, as part of his warranty of work, to assure that assemblies, components and parts shown or required within the work of the section, comply with the Contract Documents. The Contractor shall further warrant: That all components, specified or required to satisfactorily complete the installation are compatible with each other and with conditions of installations.

### **2.2 INTERIOR BUILDING SIGNAGE**

- A. Framed Panel Signs: Fabricate frames to 6 by 9 inch profile.
  - 1. Model: Similar to ASI Sign Systems, Inc. - Inform Plaque Signs.
  - 2. Sign Face Material: Injection molded ABS plastic.
  - 3. Frame Material: Aluminum with hardboard backing.
  - 4. Corner Condition: Square.
  - 5. Graphic Content and Style:
    - a. Room Number: (i.e. 105).
    - b. Room Name: (i.e. Conference Room).
    - c. Braille: Room name and number.
    - d. Lettering Style: Helvetica medium condensed; upper case.
    - e. Easily interchangeable inserts 1.5" high x 6" wide at bottom of sign face. Suitable for adding personalization.
  - 6. Raised Copy:
    - a. Machine cut copy characters from matte finish opaque acrylic sheet and chemically weld onto the acrylic sheet forming sign panel face. Produce precisely formed characters with square cut edges free from burrs and cut mark.
    - 1) Pane material: Matte finished clear acrylic with opaque color coating subsurface applied.

- 2) Raised Copy Thickness: Not less than 1/32 inch.
- 7. Applied Copy: Die cut characters from vinyl film with pressure sensitive adhesive backing. Apply copy to the interchangeable insert face of the sign panel.
  - a. Panel Material: Matte finished clear acrylic sheet with opaque color coating subsurface applied.
- 8. Backer Panel: Provide ABS plastic backer panels to match sign panel color at locations where signs are glass mounted.

### **PART 3 - EXECUTION**

#### **3.1 INSTALLATION**

- A. General: Locate sign units and accessories where indicated in Section 3.3, using mounted methods of the type described and in compliance with the manufacturer's instructions.
  - 1. Install signs level, plumb and at the height indicated, with sign surfaces free from distortion or other defects in appearance.
- B. Wall Mounted Panel Signs: Attach panel signs to wall surfaces using the methods indicated below:
  - 1. Mechanically fasten securely to wall with concealed fasteners.
- C. Protect products against damage during field handling and installation. Protect adjacent existing and newly placed construction, and finishes as necessary to prevent damage during installation. Paint and touch up any exposed fasteners and connecting hardware to match color and finish of surrounding surface.
- D. Mount signs in proper alignment, level and plumb according to the sign location plan and the dimensions given on elevation and sign location drawings. Where otherwise not dimensioned, signs shall be installed where best suited to provide a consistent appearance throughout the project. When exact position, angle, height or location is in doubt, contact Resident Engineer for clarification.
- E. Contractor shall be responsible for all signs that are damaged, lost or stolen while materials are on the job site and up until the completion and final acceptance of the job.
- F. Remove or correct signs or installation work Resident Engineer determines as unsafe or as an unsafe condition.
- G. At completion of sign installation, clean exposed sign surfaces. Clean and repair any adjoining surfaces and landscaping that became soiled or damaged as a result of installation of signs.
- H. Certain signs may be installed on glass. A blank glass back up is required to be placed on opposite side of glass exactly behind sign

being installed. This blank glass back up is to be the same size as sign being installed.

- I. Contractor will be responsible for verifying that behind each sign location there are no utility lines that will be affected by installation of signs. Any damage during installation of signs to utilities will be the sole responsibility of the Contractor to correct and repair.

### **3.2 CLEANING AND PROTECTION**

- A. At completion of the installation, clean soiled sign surfaces in accordance with the manufacturer's instructions. Protect units from damage until acceptance by the Owner.

### **3.3 SCHEDULE**

- A. Interior Building Signage:
  1. Locate interior room signage at all numbered interior door openings within project area. Provide room number, name, Braille, ADA symbols and interchangeable window insert as required. Mounting heights per ADA location as directed by Architect.
  2. Provide 10 extra interior signs with graphics as indicated above as directed by Architect.
  3. Signage format and color to match Room 107 new signage.

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