

SECTION 10440

INTERIOR SIGNAGE

RLS ADA SIGNAGE

RLS sign systems—tactile and Raster Braille signage for the visually impaired designed to comply with the regulations set forth in the Americans with Disabilities Act (ADA).

Section 10440

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Interior tactile building signs including Braille.

1.02 RELATED SECTIONS

- A. Section(s) 10410-Directories, 10420-Dimensional Letters and Plaques and 10430-Exterior Signage

1.03 REFERENCEES

- A. Title III of the “Americans with Disabilities Act of 1990,” (ADA), Department of Justice.
- B. “American National Standard for Buildings and Facilities” CABO/ANSI A117.1-1992, Council of American Building Officials/American National Standards Institute.
- C. Environmental Protections Agency (EPA).
- D. Specification #800, national Library Service, national Library of Congress.
- E. American Society for Testing and Materials (ASTM).
 1. ASTM D 523-89 Standard Test Method for Specular Gloss
 2. ASTM D 2244-89 Standard Practice for Calculation of Color Differences from Instrumentally Measured Colored Coordinates.
 3. ASTM G 53-91 Standard Practice for Operating Light- and Water-Exposure Apparatus (Fluorescent UV-Condensation Type) for Exposure of Nonmetallic Materials.

1.04 PERFORMANCE REQUIREMENTS

- A. Painted sign finish shall comply with the following performance requirements:
 1. Durability: Sign finish shall show no effect after requested use of standard household cleaners.

1.05 SUBMITTALS

- A. Submit the following in accordance with Section 01300:
 1. Product Data: Manufacturer’s material description and fabrication methods.
 2. Shop Drawings: Submit manufacturer’s shop drawings showing fabrication and mounting methods.
 3. Samples: Submit manufacturer’s standard color samples.

1.06 QUALITY ASSURANCE

A. Manufacturer's Qualifications:

1. Companies with not less than 10 successive years experience in the manufacturer of interior building signs.
2. Company licensed to manufacture products by the EPA using the process specified.
3. Furnish a list of at least 5 signage projects completed in the previous 2 years if requested by the owner's representative.

1.07 DELIVERY, STORAGE, AND HANDLING

- ### A.
- Deliver signs to the project site, packaged to prevent damage during delivery and storage. Store signs in dry area protected from the elements

PART 2 PRODUCTS

2.01 MANUFACTURERS

- ### A.
- Acceptable Manufacturers: Subject to compliance with requirements of the contract documents, acceptable manufacturers are as follows:

1. GSI Sign Systems 3110 Washington Avenue North, Suite 200, Minneapolis, MN. (800) 486-4605

2.02 PLAQUE/INSERT SIGNS

- ### A.
- RLS 1-ply 2-piece construction modified acrylic sign system consisting of 1-ply 1/8 inch substrate, and 1/32 inch profile material to produce raised numbers and letters with corresponding engraved Grade II Raster Braille (complying with Specification #800), and pictograms on RLS sign, all complying with ADA and CABO/ANSI A117.1 requirements.

B. 1. Sign Types:

6" x 8" Room name and number signs

8" x 8" Restroom identification signs

2. Graphics:

- a. Tactile Characters: RLS System, computer-engineered, adhesive-backed, raised graphics, complying with ANSI A117.1-1998.
- b. Pictograms: All "symbols" must match as closely as possible the published "international" symbols. Other interpretations will not be deemed acceptable. All symbols must be approved prior to fabrication.
- c. Braille: Use drill and press-fit method for placing Braille dots on architectural signs; computer engineered, using special carbide engraving bit, press fit tool with pump, and UV stable acrylic Rasters.
- d. Design for Characters that that are both Tactile and Visual shall comply with ANSI A117.1-1998, Sections 703.2.1 through 703.2.8.
 - 1) Character Height: measured vertically from the baseline of the character, shall be 5/8 inch minimum and 2 inch maximum, based on the upper case "I".
 - 2) Character Depth: Raised 1/32 inch.
 - 3) Copy Style: Upper Case Helvetica

- 4) Braille: complying with ANSI A117.1 – 1998, Sections 703.5.1 through 703.5.4. Grade 2 (conforming to Specifications #800, national Library Service, Library of Congress), rounded or domed, .025 inch to .032 inch high, to allow smooth tactile sweep of the fingers.

3. Painted Sign Finish:

- a. Reverse ink applied to acrylic using screen-printed or sprayed methods, UV inhibited.

2.03 OTHER MATERIALS

- A. Adhesives: Pressure sensitive adhesive of high-grade industrial silicone adhesive as recommended by the adhesive manufacturer for the substrates shown.
- B. Prominent mechanical fasteners are not recommended due to potential injury of confusion to the visually impaired individual.
- C. Mechanical Fasteners: Countersunk holes concealed and/or tamper proof screws, washers, and toggles may be used in securing plaques to substrate.

PART 3 INSTALLATION

3.01 EXAMINATION

- A. Examine the substrates and conditions under which the work is to be performed, and notify the Contractor in writing of conditions detrimental to the proper and timely completion of the work. Do not proceed with the installation until unsatisfactory conditions have been corrected.

3.02 INSTALLATION

- A. Mount signs level and plumb with recommended adhesive to substrates at locations and heights to comply with ADA guidelines.
- B. Signs mounted on glass sidelights adjacent to handle side of door must have accompanying glass backer.

3.03 CLEANING

- A. Remove adhesives from exposed sign surfaces as recommended by adhesives manufacturer. Clean sign surfaces as needed.

3.04 SCHEDULE

- A. Provide the following interior building signs as listed below and as indicated on attached drawing:

END OF SECTION