

## SECTION 10430 & 10440

### PART 1 GENERAL

#### 1.1 SECTION INCLUDES

- A. Interior and exterior non-illuminated ADA building signs including GRADE II BRAILLE & 1/32" RAISED LETTERS.
- B. **ZINC ETCHED ADA SIGNAGE FOR EXTERIOR APPLICATION**
- C. BRAILLE SIGNS ZINC ETCHED SIGNAGE SYSTEM 3000 for the visually impaired-designed to comply with the regulations set forth in the American with Disabilities Act



#### 1.2 RELATED SECTIONS

- A. Section 09000 – PAINTING: For adhesives and sign installation

#### 1.3 REFERENCES

- A. Title III of the 2010 ADA STANDARDS, Department of Justice. (pages 71 – 74; 119 -127; & 186 – 194)
- B. American National Standard for Building and Facilities (ANSI 4.30 – 4.30.6)
- C. Environmental Protection Agency (EPA)
- D. Specification # 800, National Library Service, National Library of Congress.
- E. American Society for Testing and Materials (ASTM)
  - a. ASTM D 523-89 Standard Test Method for Specular Gloss.
  - b. ASTM D 2244-89 Standard Practice for Calculation of Color Differences From Instrumentally Measured Colored Coordinates.
  - c. ASTM G 53-91 Standard Practice for Operating Light – and Water – Exposure Apparatus (Fluorescent UV – Condensation Type) for Exposure or Nonmetallic Materials.

#### 1.4 PERFORMANCE REQUIREMENTS

- A. Painted Sign Finish shall comply with the following performance requirements:
  - a. Weatherability: When tested in accordance with ASTM G 53, after 500 hours in a Weatherometer (equivalent to approximately 3 years exterior exposure):
    - i. Gloss retention not less than 88.0 determined in accordance with ASTM D 523 at 60 degree angle.

- ii. Color shall not change more than 1.68 units determined in accordance with ASTM D 2244 and measured with a Hunter Colorimeter, Model D25.
- b. Paint manufacturer: Matthews Paint, SATIN VOC MAP. TEL: 800-323-6593, web: [www.signpaint.com](http://www.signpaint.com)
- c. Durability: Sign finish shall show no effect after repeated use of waterbase cleaners.

## **1.5 SUBMITTALS**

- A. Submit the following in accordance with Section 01300:
  - a. Product Data: Manufacturer's material description and fabrication methods.
  - b. Proofs: Photocopy proofs of each sign on schedule are available upon request at no additional charge.
  - c. Sample: Colors of painted finishes are available on manufacturer's color chart and actual color samples of metal tone finishes are available upon request.

## **1.6 QUALITY ASSURANCE**

- A. Manufacturer's Qualifications
  - a. Company with not less than 5 successive years experience in the manufacture of interior/exterior building signs.
  - b. Field Samples: Furnish one sample sign to the Architect for review. When approved, Architect will forward sign to the project site for installation.

## **1.7 DELIVERY, STORAGE, AND HANDLING**

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

## **PART 2 PRODUCTS**

### **2.01 MANUFACTURERS**

- A. BRAILLE SIGNS, INC. 16782 VON KARMAN AVE. UNIT 30. IRVINE CA. 92606. TEL: (949)797-1570. FAX: (949)797-1573. WEB: [www.braillesignsinc.com](http://www.braillesignsinc.com) Email: [braillesigns@gmail.com](mailto:braillesigns@gmail.com)
- B. Other manufacturers seeking approval of their products must comply with above requirements & ADA regulations.

### **2.02 SIGNS.**

- A. ETCHED ZINC sign system 3000 utilizing chemical etc process to produce raised numbers and letters with corresponding Grade II and pictograms on zinc sign, all complying with ADA and CA/ANSI A117.1 requirements.
  - a. Sign Types: Painted or Sanded Face Metal Tone Finish
    - i. Standard pictograms or symbols
    - ii. Room Identification signs

- iii. Etched seals
- iv. Evacuation plans
- v. Elevator signs and symbols
- vi. Custom signs
- vii. Nameplates
- viii. Directory maps
- ix. Plaques
- x. Sign and holders/framing units

- b. Sign Sizes:
  - i. All signs are available in custom sizes with square or radius corners, with or without borders.
  - ii. Maximum size for custom signs and maps is 23'' by 35''.
- c. Typestyles: Comply with ADA, Section 703.
  - i. Standard pictograms & symbols are available in 5 standard typestyles.
  - ii. Non-standard copy signs and room number signs are available in ADA compliant typestyles.
  - iii. Raised letters and numerals are available in heights ranging from .625'' to 2.0''
- d. Painted Sign Finish: Factory applied baked-on-acrylic polyurethane enamel, UV inhibited.
- e. Painted Signs Colors: Compliant with ADA Section 4.30.5. Select from MATTHEWS COLOR SELECTOR standard colors. web: [www.signpaint.com](http://www.signpaint.com)
- f. Sanded Face Metal Tone Colors: Factory applied metal tones available in silvertone, and bronzetone, must comply with ADA Section 4.30.5

## **2.03 OTHER MATERIALS**

- A. Adhesives: 3M VHB or high grade industrial silicone adhesive as recommended by the adhesive manufacturer for the substrates shown.
- B. Mechanical Fasteners: Countersunk holes, concealed and/or tamper proof screws, washers, and toggles may be used in securing holders 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 installation until unsatisfactory conditions have been corrected.
- B. Verify the mounting locations for each sign in compliance with the ADA, Section 4.30.6

### **3.02 INSTALLATION**

- A.** Mount signs level and plumb with recommended adhesive to substrates at locations and heights to comply with ADA, Section 4.30.6
- B.** Secure sign holders to substrate with concealed fasteners, and adhere sign insert to holder.