

**PART 1 – GENERAL**

1.1 DESCRIPTION OF WORK

- A. Related Documents: Drawings and general provisions of the Contract, including General and Supplemental Conditions and Division 1 Specification sections apply to the Work of this Section.
- B. Provide sand etched plastic signs with raised braille and text characters and symbols and contrasting [graphic image] background color.

1.2 SUBMITTALS

- A. Manufacturers must submit 3 references showing products for projects completed within the last 6 years.
- B. Submit manufacturer’s technical data and installation for each type of sign required.
- C. Submit shop drawings listing sign size, letterform and letter heights.
- D. Submit one full size sample sign of type, style and color specified, including method of attachment. If approved, the sample will become part of the job.

1.3 SIGN TYPE DESCRIPTION

- A. Signage shall consist of room number and roomfunction to meet the requirements of the Americans with Disabilities Act – 1990 (ADA) and CABO/ANSI A117.1 – 1992.

1.4 WARRANTY

- A. Provide two year warranty covering material and labor defects.

**PART 2 – PRODUCTS**

2.1 MANUFACTURER

- A. Basis of Design: Independent Specialty Signage, Inc.; [www.chooseiss.com](http://www.chooseiss.com); 147 Wallins Corners Rd #3, Amsterdam, NY 12010, Phone 518-698-5657; Email: [darryl@chooseiss.com](mailto:darryl@chooseiss.com), [jason@chooseiss.com](mailto:jason@chooseiss.com); or approved equal.
- B. Substitutions not permitted
- C. Requests for substitutions will be considered in accordance with the provisions set forth in Section 01600.

2.2 GRAPHIC PROCESS

- A. All signs shall be manufactured using ISS Graphic Process Sand Etched
  1. Tactile characters and text shall be raised not less than 1/32" inches from sign face in precisely formed characters with square-cut edges, free from burrs and cut marks. Glued-on or chemically welded letters and raster and/or reverse punched braille is not acceptable.
  2. All text shall be accompanied by Grade 2 braille. Braille shall be separated 1/2" from the corresponding raised characters or symbols. Grade 2 braille translation shall be provided by sign manufacturer.
  3. Perimeter borders shall be 3/8". (optional)
  4. All letters, numbers and/or symbols shall contrast with their background, either light characters on a dark background or dark characters on a light background. Characters and background shall have a non-glare finish.
- B. The melamine shall be non-static, fire-retardant, NEMA rated “self-extinguishing”, impervious to most acids, alkalis, alcohol, solvents, abrasives and boiling water.

Material Thickness	1/16   1/8   1/4 inch
Maximum continuous operating temperature	225°F

**DIVISION 10 SPECIALTIES**  
**SECTION 101400**  
**INTERIOR SIGNAGE**

- C. Sign material: phenolic resin plastic sheet with melamine laminate and contrasting core color, Flexural strength flat 25,000 psi
- |  |               |
|--|---------------|
| Tensile strength                           | 22,000 psi    |
| Compressive strength flat                  | 47,000 psi    |
| Shear strength                             | 16,800 psi    |
| Dielectric strength short Time (D229 test) | 330 volts/Mil |
- D. Letterform shall be [\_\_\_\_\_ upper [and lower] case or other [san] serif style or simple serif letterforms].
- E. Size of letters and numbers shall be as follows:
1. Room numbers shall be 1" tall.
  2. Lettering for room ID signs shall be 3/4" tall text.
  3. Symbol size shall be 4".
  4. Standard Grade 2 braille shall be 1/2" below copy.
- F. Copy position: [CC (centered/centered) [or as indicated] [unless indicated otherwise] on drawings].

**G. Graphic Background Color Process:**

1. After text / graphics / braille is created by sand etching, the sign background shall be colored with a spray applied finish to produce a contrasting color background, and coated with [flat] [satin] clear protective finish to withstand abrasion, chemical degradation and UV degradation of underlying color. Color as selected by [Owner] [Architect].
2. After text / graphics / braille is created by sand etching process, the sign background shall be printed with a spray applied coating to produce a full color image on the background surface, and coated with [flat] [satin] clear protective finish to withstand abrasion, chemical degradation and UV degradation of underlying color.
  - a. Background image shall be provided by [Owner] [Architect] in digital format to make an image with final output resolution of [\_\_\_\_] DPI.

**2.3 SIGN TYPES / SIZES**

**A. Sign Types:**

- Type 1:** Room function signs shall be size 6" x 6"  
Locations: next to doors \_\_, \_\_ ( \_\_ total)
- Type 2:** Accessible restroom signs shall be size 8" x 6" with a 4" accessibility symbol, gender symbol and the room name in text placed directly below followed by Grade 2 braille.  
Locations: next to door \_\_\_\_; text: "Restroom" ( \_\_ total)
- Type 3:** Classroom signs shall have [one window or two windows where required], size 6" x 6", with room name / room number in text and braille. Window inserts by owner.  
Locations: next to doors \_\_, \_\_ ( \_\_ total)

B. Style: [3/8" borders] [borderless] with [rectangular] [1/2" radius] corners.

C. See typical sign layouts on drawings. Sizes above are not restrictive.

**2.4 MOUNTING**

- A. Silastic Adhesive Mounting; Vinyl foam tape to hold the sign in place until silastic adhesive has cured. (Maximum sign size - 8" x 8") – all signs greater than 8" x 8" shall be mechanically mounted.

**PART 3 – EXECUTION**

3.1 INSTALLATION

- A. Mount signs using specified materials / methods according to manufacturer's instructions. Comply with ANSI A117.1 and ADA regulations for mounting locations and heights.
  - 1. Mount signs [60" from the floor to the center of the sign on the latch side of doors].  
The distance between the door frame and sign should be [2"].
  - 2. Verify sign locations with [Architect and Owner / Tenant]. Installer shall assume responsibility for appropriate location and installation.
  - 3. Replace improperly installed signs at no additional cost to Owner.
- B. Patch and refinish walls at removal of existing signs or where defaced by installation procedures.

3.2 CLEANING AND PROTECTION

- A. Upon completion of the installation, clean letter and plaque surfaces according to manufacturer's instructions. Protect units from damage until acceptance by Owner.

END OF SECTION 101400