

SECTION 10 1400

SIGNAGE

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Room and door signs.
- B. Emergency evacuation maps.
- C. Building identification signs.
- D. Installation of Owner-provided plaques.

1.2 RELATED REQUIREMENTS

- A. Section 06 1000 - Rough Carpentry: Blocking for attachment of canopy-mounted dimensional letters.
- B. Division 7: Flashing and sealing at attachment of canopy-mounted dimensional letters to maintain a watertight assembly.

1.3 REFERENCE STANDARDS

- A. ADA Standards - Americans with Disabilities Act (ADA) Standards for Accessible Design; 2010.
- B. ICC A117.1 - Accessible and Usable Buildings and Facilities; 2009.
- C. NC Building Code 2012 edition

1.4 SUBMITTALS

- A. Product Data: Manufacturer's printed product literature for each type of sign, indicating sign styles, font, foreground and background colors, locations, overall dimensions of each sign.
- B. Signage Schedule: Provide information sufficient to completely define each sign for fabrication, including room number, room name, other text to be applied, sign and letter sizes, fonts, and colors.
 - 1. When room numbers to appear on signs differ from those on drawings, include the drawing room number on schedule.
 - 2. When content of signs is indicated to be determined later, request such information from Owner through Architect at least 2 months prior to start of fabrication; upon request, submit preliminary schedule.
 - 3. Submit for approval by Owner through Architect prior to fabrication.
- C. Samples: Submit two samples of each type of sign, of size similar to that required for project, illustrating sign style, font, and method of attachment.
- D. Selection Samples: Where colors are not specified, submit two sets of color selection charts or chips.
- E. Manufacturer's Installation Instructions: Include installation templates and attachment devices.

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years of documented experience.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Package signs as required to prevent damage before installation.
- B. Package room and door signs in sequential order of installation, labeled by floor or building.
- C. Store tape adhesive at normal room temperature.

1.7 FIELD CONDITIONS

- A. Do not install tape adhesive when ambient temperature is lower than recommended by manufacturer.
- B. Maintain this minimum temperature during and after installation of signs.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Flat Signs:
 - 1. Basis of Design Product: Best Sign Systems, Inc; Product ImPressions: www.bestsigns.com.
 - 2. Other Manufacturers:
 - a. AOA Signs: www.aoasigns.com.
 - b. Cosco Industries (ADA signs): www.coscoarchitecturalsigns.com.
- B. Dimensional Letter Signs:
 - 1. AOA Signs: www.aoasigns.com.
 - 2. Cosco Industries: www.coscoarchitecturalsigns.com/#sle.
 - 3. Gemini Sign Letters. www.geminisignletters.com
 - 4. Substitutions: See Section 01 6000 - Product Requirements.
- C. Plaques: Owner provided.

2.2 SIGNAGE APPLICATIONS

- A. Accessibility Compliance: Signs are required to comply with ADA Standards and ICC A117.1 and applicable building codes, unless otherwise indicated; in the event of conflicting requirements, comply with the most comprehensive and specific requirements.
- B. Room and Door Signs: Provide a sign for every doorway, whether it has a door or not, not including corridors, lobbies, and similar open areas.
 - 1. Sign Type: Flat signs with engraved panel media as specified.
 - 2. Provide "tactile" signage, with letters raised minimum 1/32 inch (0.8 mm) and Grade II braille.
 - 3. Character Height: 1 inch (25 mm).
 - 4. Sign Height, unless otherwise indicated:
 - a. Signs with numbers only: 2 inches (50 mm).
 - b. Signs with room names or other additional information: 6 inches (150mm).
 - 5. Offices, Conference and Meeting Rooms: Identify with room numbers to be determined later, not the numbers indicated on drawings; in addition, provide "window" section for replaceable occupant name.

6. Service Rooms: Identify with room names and numbers to be determined later, not those indicated on drawings.
 7. Rest Rooms: Identify with pictograms and, based on the tags indicated on the drawings, the names "BOYS" and "GIRLS", or "MEN" and "WOMEN", room numbers to be determined later, and braille.
- C. Exit Stair, provide sign on 2nd floor: Identify with pictogram and text reading "STAIR".
- D. Building Identification Signs:
1. Use individual metal letters as shown on drawings.
 2. Mount on outside wall in location indicated on drawings.
- E. Plaque: Owner to provide two owner-provided plaques, installation on concrete or masonry, locations to be determined.

2.3 SIGN TYPES

- A. Flat Signs: Signage media without frame.
1. Edges: Square.
 2. Corners: Radiused.
 3. Wall Mounting of One-Sided Signs: foam adhesive tape or other adhesive suitable for painted CMU walls and glass. .
- B. Color and Font: Unless otherwise indicated:
1. Character Font: Helvetica, Arial, or other sans serif font.
 2. Character Case: Upper case only.
 3. Background Color: As selected from manufacturer's full range .
 4. Character Color: Contrasting color, as selected from manufacturer's full range.

2.4 TACTILE SIGNAGE MEDIA

- A. Engraved Panels: Laminated colored plastic; engraved through face to expose core as background color:
1. Total Thickness: 1/8 inch (3 mm).

2.5 PLAQUES

- A. Metal Plaques: To be provided by Owner.

2.6 DIMENSIONAL LETTERS

- A. Cut Metal Letters:
1. Metal: Aluminum sheet, flat.
 2. Finish: Painted.
 3. Letter Height: 18 inches.
 4. Mounting: Concealed studs set in epoxy, for mounting on concrete or masonry.
 5. See drawings for copy and layout.
- B. Fabricated Metal Letters:
1. Metal: Aluminum sheet fabricated to provide letter depth. Provide closure plates on back side of each letter.

2. Finish: Painted.
3. Letter Height: 18 inches.
4. Mounting: Mechanically fasten bottom of each letter to heavy duty aluminum mounting rail, using stainless steel fasteners with galvanic barrier coating. Provide mounting rails in longest practical lengths and, where possible, place breaks between words. Fasten mounting rail to solid blocking in canopy, and seal fasteners to maintain watertight assembly.
5. See drawings for copy and layout.

2.7 ACCESSORIES

- A. Concealed Screws: Stainless steel
- B. Tape Adhesive: Double sided foam tape permanent adhesive and liquid adhesive for mounting on painted CMU walls and glass.
- C. Blank back up panel for mounting on glass to conceal back side of panel signs installed on glass.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that substrate surfaces are ready to receive work.

3.2 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Install neatly, with horizontal edges level.
- C. Install back up panels on all signs installed on glass.
- D. Protect from damage until Substantial Completion; repair or replace damaged items.

END OF SECTION