

SECTION 10 14 23

PANEL SIGNAGE

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes: Provide panel signs as indicated, complete with attachment devices and accessories as required for complete installation.
- B. Related Sections:
 - 1. Section 09 90 00: Traffic line paint.
 - 2. Section 10 14 16: Plaques.
 - 3. Section 10 14 19: Dimensional letter signage.
 - 4. Section 10 44 00: Fire extinguisher cabinet graphics.
 - 5. Division 14: Elevator graphics.

1.2 SUBMITTALS

- A. Product Data: Furnish manufacturer's literature and indicate each sign type, style, color, and method of attachment.
- B. Shop Drawings: Furnish listing of sign types, lettering and locations, along with dimensions of each sign.
 - 1. Computerized Output: Furnish computerized samples of signs and graphics at a scale duplicating final appearance.
 - 2. Dimensional Letter Signs: Furnish complete shop drawings regarding fabrication and method of attachment of dimension letter signs.
- C. Samples: Furnish full size samples where requested.

1.3 QUALITY ASSURANCE

NOTE TO SPECIFIER: VERIFY LEED REQUIREMENTS APPLICABLE TO PROJECT. CALGREEN BELOW IS A SPECIFIC CALIFORNIA REQUIREMENT DELETED IN OTHER STATES, REVISE WHERE OTHER STATES HAVE SUSTAINABILITY REQUIREMENTS.

- A. Sustainability Requirements: Comply with LEED requirements including those relative to interior air quality requirements for materials with volatile organic compound (VOC) emissions (low-emitting materials) such as adhesives.
- B. Sustainability Requirements: Comply with CALGreen requirements including those relative to finish material pollution control for adhesives.

1.4 FIELD CONDITIONS

- A. Weather Limitations: Proceed with signage installation when existing and forecasted weather conditions permit signage to be installed according to manufacturer's written requirements or where installed at interior enclosed and conditioned spaces.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Package separately or in like groups of names, labeled as to names enclosed; include installation template, attachment system and installation instructions.

PART 2 - PRODUCTS

2.1 SYSTEMS MANUFACTURERS

- A. Cosco formerly Inland Pacific Architectural Signage Systems
888.404.4592 phone, 507.304.6408 fax,
architecturalsignage@coscoindustries.com email,
www.coscoarchitecturalsigns.com website
- B. Substitutions: Refer to Section 01 25 00.

2.2 MATERIALS

- A. System Description: Provide panel signage as indicated with attachment devices and accessories.
 - 1. ADA Signage.
 - 2. Acrylic and Laminate Signage.
 - 3. Photopolymer
 - 4. Molded Plastic Frames.
- B. Regulatory Requirements: Provide signs for assuring access for persons with disabilities in accordance with federal, state, and local regulations.

NOTE TO SPECIFIER: ADA STANDARDS BELOW ARE MANDATORY STARTING MARCH 15, 2012; PRIOR ADAAG (AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES) WILL NO LONGER BE APPLICABLE AFTER THAT DATE.

- 1. Federal Regulations: Comply with Americans with Disabilities Act (ADA) Standards.
- C. Dimensional Letter Signage: Provide individual letter signs as indicated.
 - 1. Material: Manufacturer's standard acrylic plastic for individual letter signs.
 - a. Character Material: Acrylic sheet.
 - b. Character Height: As indicated.
 - c. Character Thickness: 1/8".
 - d. Character Style: Helvetica, upper and lower case as selected from manufacturer's standard offerings.
 - e. Color and Finish: As selected from manufacturer's full range of colors and finishes.
 - 2. Fabrication: Fabricate dimensional letters as indicated, of minimum 1/8" thick with edges and corners smooth and finished to match adjacent surfaces.
 - 3. Attachment: Secure letters using double sided foam tape or silicone adhesive.

- D. ADA Toilet Room Signs: Provide signs conforming to ADA Standards for signs for permanent rooms, including symbols with raised characters and Braille; concealed mounting system.
1. Material: Manufacturer's standard colored acrylic signs; color as indicated, as selected by Architect from manufacturer's full range of colors where not otherwise indicated.
 - a. Sign: 0.0625" thick matte acrylic face laminated to 0.0625" thick back plate.
 - b. Edge Condition: Square.
 - c. Corner Condition: Square **[or Radius]**.
 - d. Mounting: Double-sided foam tape, silicone adhesive or mechanical fasteners.
 - e. Sign Sizes: As indicated on Drawings or Schedule.
 2. Standards: Comply with ADA Standards for raised characters and Grade 2 Braille, pictorial symbols, finish, and contrasts requirements. Machine cut raised characters from matte acrylic sheet and apply onto acrylic sign face.
 - a. Raised Copy Thickness: Not less than 1/32".
 - b. Character Style: Helvetica or other Sans Serif Font.
 - c. Character Case: Upper case.
- E. Interior Room Identification and Direction Signs: Provide signs conforming to ADA Standards for permanent signs, total thickness 0.125"; provide raised and Braille characters conforming to federal, state, and local requirements; concealed mounting.
1. Material: Manufacturer's standard colored acrylic signs; color as indicated, as selected by Architect from manufacturer's full range of colors where not otherwise indicated.
 - a. Sign: 0.0625" thick matte acrylic face laminated to 0.0625" thick back plate.
 - b. Edge Condition: Square.
 - c. Corner Condition: Square **[or Radius]**.
 - d. Mounting: Double-sided foam tape, silicone adhesive or mechanical fasteners.
 - e. Sign Sizes: As indicated on Drawings or Schedule.
 2. Comply with ADA Standards for raised characters and Grade 2 Braille, pictorial symbols, finish, and contrasts requirements. Machine cut raised characters from matte acrylic sheet and apply onto acrylic sign face.
 - a. Raised Copy Thickness: Not less than 1/32".
 - b. Character Style: Helvetica or other Sans Serif Font.
 - c. Character Case: Upper case.
 3. Changeable Message Inserts: Fabricate signs to allow insertion of changeable message panel. Insert material to be furnished by Owner (not in Contract).
 4. Subsurface Copy: Direct print image on back face of clear acrylic sheet forming panel face.
 - a. Image: Free from rough edges.

F. Photopolymer

1. Material: Laminated Etched Photopolymer; color as selected by Architect from manufacturer's full range of colors where not otherwise indicated.
 - a. Sign: 0.125" thick photopolymer on acrylic back plate.
 - b. Edge Condition: Square.
 - c. Corner Condition: Square **[or Radius]**.
 - d. Mounting: Double-sided foam tape, silicone adhesive or mechanical fasteners.
 - e. Sign Sizes: As indicated on Drawings or Schedule.
2. Comply with ADA Standards for raised characters and Grade 2 Braille, pictorial symbols, finish, and contrasts requirements. Raised characters and Grade 2 Braille to be integral part of sign.
 - a. Raised Copy Thickness: Not less than 1/32".
 - b. Character Style: Helvetica or other Sans Serif Font.
 - c. Character Case: Upper case.
3. Changeable Message Inserts: Fabricate signs to allow insertion of changeable message panel. Insert material to be furnished by Owner (not in Contract).

G. Panel Sign Frames:

1. Material: Molded plastic **[or Aluminum]** frames.
2. Color: As selected by Architect from manufacturer's full range of colors.
3. Corner Condition: Square **[or Radius]**.
4. Mounting: Wall mount with concealed fasteners.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Install signs after surfaces on which they are to be mounted are painted and finished.

3.2 INSTALLATION

- A. General: Follow manufacturer installation instructions; install signs level, in line, free from distortions and defects.
 1. Installation Methods:
 - a. Concealed Attachment: Install signs with double sided foam tape for smooth surfaces and silicone adhesive for irregular surfaces.
 - b. Exposed Attachment: Install signs with exposed fasteners.
 - c. Panel Sign Frames: Install with concealed fasteners.

2. Location: Mount signs centered at 60" above finished floor on strike side of door where at doors. Install signs at doors to allow a person to approach within 3" of signs without being within a door swing.
- B. Dimensional Letter Signage: Locate dimensional letters with spacing based on full size computer generated installation drawings secured to structure as required to resist anticipated loads.
 1. Final Location: As approved in field by Architect based on full size drawings.
 - C. Tolerances: Sign panels to remain flat under installed conditions within 1/16" tolerance, plus or minus, from corner to corner.
- 3.3 CLEANING
- A. Clean and polish, remove excess adhesive.

END OF SECTION