

## SECTION 101400

**SIGNS**

## PART 1 - GENERAL

## 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

## 1.2 SUMMARY

- A. This Section includes the following types of signs:
  - 1. Panel signs.
- B. Related Sections: The following Sections contain requirements that relate to this Section:
  - 1. Division 01 Section "Temporary Facilities and Controls" for temporary project identification signs.
  - 2. Division 32 Section "Site Improvements" for roadway signs and traffic signals.
  - 3. Divisions 22 and 23 Sections for labels, tags, and nameplates for mechanical equipment.
  - 4. Division 26 Sections for labels, tags, and nameplates for electrical equipment.
  - 5. Division 26 Section "Interior Lighting Fixtures" for illuminated exit signs.
  - 6. See Division 26 Sections for electrical service and connections for illuminated letters.

## 1.3 SUBMITTALS

- A. Product Data: For each type of sign specified, including details of construction relative to materials, dimensions of individual components, profiles, and finishes.
- B. Samples: Provide the following samples of each sign component for initial selection of color, pattern and surface texture as required and for verification of compliance with requirements indicated.
  - 1. Samples for selection of color, pattern, and texture:
    - a. Cast Acrylic Sheet and Plastic Laminate: Manufacturer's color charts consisting of actual sections of material including the full range of colors available for each material required.

## 1.4 QUALITY ASSURANCE

- A. Sign Fabricator Qualifications: Firm experienced in producing signs similar to those indicated for this Project, with a record of successful in-service performance, and sufficient production capacity to produce sign units required without causing delay in the Work.
- B. Single-Source Responsibility: For each separate sign type required, obtain signs from one source of a single manufacturer.

- C. Regulatory Requirements: Comply with the Americans with Disabilities Act (ADA) and with code provisions as adopted by authorities having jurisdiction.
1. Interior Code Signage: Provide signage as required by accessibility regulations and requirements of authorities having jurisdiction. These include, but are not limited to, the following:
    - a. Illuminated Exit Signs: Refer to Division 26.
    - b. Elevator Signs: Refer to Division 14.
    - c. Stairway Identification:
    - d. Signs for Accessible Spaces:
      - 1) Accessible entrances when not all are accessible (inaccessible entrances shall have directional signage to indicate the route to the nearest accessible entrance.
      - 2) Accessible toilet and bathing facilities when not all are accessible.
  2. Notify Architect of details or specifications not conforming to code.
- D. Design Concept: The Drawings indicate sizes, profiles, and dimensional requirements of signs and are based on the specific types and models indicated. Sign units by other manufacturers may be considered provided deviations in dimensions and profiles do not change the design concept as judged by the Architect. The burden of proof of equality is on the proposer.

## 1.5 PROJECT CONDITIONS

- A. Field Measurements: Take field measurements prior to preparation of shop drawings and fabrication to ensure proper fitting. Show recorded measurements on final shop drawings. Coordinate fabrication schedule with construction progress to avoid delay.

## PART 2 - PRODUCTS

### 2.1 MANUFACTURERS

- A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated in the Work include, but are not limited to, the following:
1. Manufacturers of Panel Signs:
    - a. Mohawk Sign Systems.
    - b. Welch Architectural Signage.

### 2.2 MATERIALS

- A. Cast Acrylic Sheet: Provide cast (not extruded or continuous cast) methyl methacrylate monomer plastic sheet, in sizes and thicknesses indicated, with a minimum flexural strength of 16,000 psi when tested according to ASTM D 790, with a minimum allowable continuous service temperature of 176 deg F (80 deg C), and of the following general types:
1. Opaque Sheet: Where sheet material is indicated as "opaque," provide colored opaque acrylic sheet in colors and finishes as selected from the manufacturer's standards.

- B. Colored Coatings for Acrylic Plastic Sheet: Use colored coatings, including inks and paints for copy and background colors, that are recommended by acrylic manufacturers for optimum adherence to acrylic surface and are nonfading for the application intended.

### 2.3 PANEL SIGNS

- A. Substrate: Fabricate signs from 1/8 inch thick matte clear acrylic with edges mechanically and smoothly finished to eliminate cut marks. Background color to be subsurface.
  - 1. Background Color: As selected by the Architect from manufacturer's standard colors.
  - 2. Edge Condition: Straight.
  - 3. Corner Condition: Rounded to 3/8 inch radius.
  - 4. Size: 6 by 6 inch, unless noted otherwise.
- B. Copy: Helvetica.
- C. Letterform: route copy into face of substrate 1/32 inch deep. Chemically weld (inlay) computer precision cut tactile copy into routed letter openings so that tactile copy is embedded in substrate and remains at least 1/32" above surface of substrate.
  - 1. Height: 5/8 inch minimum letter height.
- D. Braille: Use engrave process for all Braille areas. Engrave Braille dots into surface of clear material.
- E. Symbols of Accessibility:
  - 1. Accessible elements: Provide international symbol of accessibility.
  - 2. Elevators: Provide symbol containing person on stairs with flame.
- F. Provide characters complying with ADA Accessibility Guidelines and ICC/ANSI A117.1. Text shall be accompanied by Grade 2 braille.

### 2.4 FINISHES

- A. Colors and Surface Textures: For exposed sign material that requires selection of materials with integral or applied colors, surface textures or other characteristics related to appearance, provide color matches indicated, or if not indicated, as selected by the Architect from the manufacturer's standards.

## PART 3 - EXECUTION

### 3.1 INSTALLATION

- A. General: Locate sign units and accessories where indicated, using mounting methods of the type described and in compliance with the manufacturer's instructions.
  - 1. Install signs level, plumb, and at the height indicated, with sign surfaces free from distortion or other defects in appearance.
  - 2. Locate signs in accordance with approved shop drawings and ADA requirements.
- B. Wall-Mounted Panel Signs: Attach panel signs to wall surfaces using the methods indicated below:

1. Vinyl-Tape Mounting: Use double-sided foam tape to mount signs to smooth, nonporous surfaces. Do not use this method for vinyl-covered or rough surfaces.

3.2 CLEANING AND PROTECTION

- A. After installation, clean soiled sign surfaces according to the manufacturer's instructions. Protect units from damage until acceptance by the Owner.

3.3 PANEL SIGN SCHEDULE

A. Types:	Sizes:	Quantity:
Stairs	Provide 6" x 6"	one for each door to stair
Landings	Provide 6" x 6"	one for each landing
Corridors	Provide 6" x 6"	one for each entry
Exit	Provide 6" x 6"	one for each exit
Elevator	Provide 8" x 6"	one between each elevator
	(In case of Fire Use Stairs)	at each floor
Toilet Rms	Provide 6" x 6"	one for each door
Shower Rms	Provide 6" x 6"	one for each door
Change Room	Provide 6" x 6"	one for each door

END OF SECTION