

SECTION 10425

SIGNS

1 PART 1 GENERAL

1.1 RELATED DOCUMENTS:

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY:

- A. This Section includes the following types of signs:
 - 1. Interior panel signs.
 - 2. Exterior cast letters.
 - 3. Handicapped parking signs.
- B. Related Sections: The following sections contain requirements that relate to this section:
- C. Division 1 Section "Temporary Facilities" for temporary project identification signs.

1.3 SUBMITTALS:

- A. General: Submit the following in accordance with Conditions of the Contract and Division 1 Specification Sections.
- B. Product Data: Include manufacturer's construction details relative to materials, dimensions of individual components, profiles, and finishes for each type of sign required.
- C. Samples: Provide samples of each sign component for initial selection of color, pattern, graphic content and surface texture as required and for verification of compliance with requirements indicated.
- D. Schedule: Provide schedule of interior signage for coordination with Owner.

1.4 QUALITY ASSURANCE:

- A. Single-Source Responsibility: For each separate type of sign required, obtain signs from one source from a single manufacturer.

2 PART 2 PRODUCTS

2.1 MATERIALS:

- A. Acrylic: 1/8" thick sheet acrylic for interior engraved panel signs, in colors indicated or, if not indicated, as selected by Architect from the manufacturer's standards.
- B. Aluminum: 0.080" mill finish aluminum sheet, for exterior signs.

- C. Cast Aluminum: AA535 alloy aluminum.
- D. Reflective sheet: 3M Scotchlite reflective sheeting for exterior panel sign backgrounds.

2.2 PANEL SIGNS:

- A. Panel Signs: Comply with requirements indicated for materials, thicknesses, finishes, colors, designs, shapes, sizes, and details of construction.
- B. Produce smooth, even, level sign panel surfaces, constructed to remain flat under installed conditions within a tolerance of plus or minus 1/16 inch measured diagonally.
- C. Unframed Panel Signs: Fabricate signs with edges mechanically and smoothly finished to conform with the following requirements:
 - 1. Edge Condition: Square cut.
 - 2. Corner Condition: Rounded corners.
- D. Graphic Content and Style: Provide sign copy that complies with the requirements indicated for size, style, spacing, content, position, material, finishes, and colors of letters, numbers, and other graphic devices. Comply with requirements of ANSI A 117.1-1986, Uniform Federal Accessibility Standard and Americans with Disabilities Act.
- E. Tactile Signs: Machine-engrave background of letters, numbers, symbols, and other graphic devices into sign panel on the face indicated to produce precisely formed copy, raised to uniform thickness.
 - 1. Engrave the copy to produce a minimum character projection of 1/32" and a minimum stroke width of 1/4".
 - 2. Form tactile letters in Helvetica style with upper case letters 1" in height.
 - 3. Form accompanying Grade II Braille, raised 1/32".
- F. Handicapped Parking Sign: Provide 12x18" standard reflective aluminum handicapped parking sign displaying the International Symbol of Accessibility as indicated.

2.3 CAST LETTERS:

- A. Cast aluminum letters in sizes indicated.
- B. Finish: Manufacturer's standard baked enamel, color as selected by Architect.

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 as selected by the Architect from the manufacturer's standards.

3 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. Comply with installation requirements of ANSI A 117.1-1986, Uniform Federal Accessibility Standard and Americans with Disabilities Act.
- B. Install signs level, plumb, and at the height indicated, with sign surfaces free from distortion or other defects in appearance.
- C. Wall Mounted Panel Signs: Attach panel signs to wall surfaces using the methods indicated below:
 - 1. Vinyl-Tape Mounting: Use double-sided foam tape, of thickness recommended by sign manufacturer for installation intended, to mount signs to smooth, nonporous surfaces. Do not use this method for vinyl-covered or rough surfaces.
 - 2. Silicone-Adhesive Mounting: Use liquid silicone adhesive recommended by the sign manufacturer to attach sign units to irregular, porous, or vinyl-covered surfaces. Use double-sided vinyl tape where recommended by the sign manufacturer to hold the sign in place until the adhesive has fully cured.
 - 3. Mount signs @ 60" above floor on latch side of door.
- D. Pole Mounted Panel Signs: Attach panel signs to heavy duty galvanized hat shaped channels. Mount signs @ 72" above grade. Paint poles in colors as directed.
- E. Cast Letters: Projected spacer mounting on masonry. Mount in locations indicated.

3.2 CLEANING AND PROTECTION:

- A. At completion of the installation, clean soiled sign surfaces in accordance with the manufacturer's instructions. Protect units from damage until acceptance by the Owner.
- B. Restore sign surfaces that have been damaged prior to Substantial Completion. Replace damaged signs that cannot be repaired to satisfaction of Owner.

3.3 SIGN SCHEDULE:

- A. Interior Signs: Provide wall mounted tactile signs at the following locations:
 - 1. Room Identification: Provide individual room identification signs at each interior door, with room name as indicated on schedules.: Coordinate verbiage with Owner.
- B. Cast Letters: Provide letters as indicated on exterior walls.

END OF SECTION