

Section 10400 Identifying Devices

Part 1: General

1.01 Related Requirements

A. Requirements of the Construction Document including Drawings, General Conditions, Supplementary Conditions, and modifications by Addenda of Change Order, apply to work under this section.

1.02 Description of Work

- A. Extent of signage is shown on drawings and schedule
- B. Forms of signs required under this section include the following:
 - 1. ADA compliant interior signage
 - 2. Cast bronze plaque
 - 3. Cast aluminum letters

1.03 Quality Assurance

- A. Uniformity of Manufacturer: For each sign form and graphic image process indicated, furnish products of a single manufacturer.
- B. Design Criteria: Signage shall comply with:
 - 1. Title III of the "Americans with Disabilities Act of 1990", (ADA), Department of Justice.
 - 2. "American National Standard for Building and Facilities" CABO/ANSI A117.1-1992, Council of American Building Officials/American National Standards Institute.
 - 3. The Uniform Building Code, as adopted by the State of Florida.

1.04 Submittals:

- A. Furnish shop drawings of all sign types in accordance with Section 01340.
- B. Samples: Submit samples of each sign form and material showing finishes, color, surface textures and qualities of manufacture and design of each sign component including graphics.
- C. Contractor shall provide a comprehensive signage schedule

Part 2: PRODUCTS

2.01 Acceptable Manufacturers

A. Manufacturer: Subject to compliance with the requirements, provide products of the following:

Images Graphic Specialties

C. Materials:

1. Interior signs: provide modified cast acrylic with eggshell or matte finish
2. Cast letters / plaques: Provide cast aluminum/bronze free of pits or defects with polyurethane or baked enamel finish.

2.03 Fabrication

A. Interior signs: Fabricate panel signs to comply with the requirements indicated for materials, thicknesses, finishes, colors, designs, shapes, sizes and details of construction.

1. Provide smooth, even, level sign panel surfaces, constructed to remain flat under installed condition within a tolerance of plus or minus 1/16" measured diagonally.
2. Fabricate unframed panel signs with edges mechanically and smoothly finished to conform with the following requirements.
 - A. Corner Condition: Provide corners with 1/2" radius.

B. Graphic Image Process

1. Tactile Type: RLS System using Gravo-Tac®, computer engineered, adhesive-backed, raised graphics, complying with ADA, Sections 4.30.3, 4.30.4, and 4.30.5.
2. Pictograms: All "symbols" must match as closely as possible the published "international" symbols. Other interpretations will not be deemed acceptable. All symbols must be approved prior to fabrication.
3. Braille: Use drill and press-fit method for placing Braille dots on architectural signs; computer engineered, using special carbide engraving bit, press-fit tool with vacuum pump, and UV stable acrylic Rasters®.
4. Design:
 - a) Character and Number Height: 5/8 inch minimum, 2 inch maximum, except when otherwise needed to meet requirements of ADA Section 4.03.3.
 - b) Character and Number Depth: Raised 1/32 inch.
 - c) Copy Style: Upper case, sans serif.
 - d) Braille: Grade 2 (conforming to Specifications #800, National Library Service, Library of Congress), rounded or domed, 0.019 inch to 0.025 inch high, to allow smooth tactile sweep of the fingers, from left to right. Braille Dots should be of

uniform depth. Background surface to be smooth without ridges or other intrusions that will interfere with the ability to read the dots. Raised elements, such as borders, shall be separated a minimum dimension is to be applied to depression caused by a routed, or similar Braille fabrication system, to the distance of the border to tactile characters or form dots to tactile character in an acrylic dot type system. A clear cell may be inserted at the beginning and end of a row to set the left and right border spacing in lieu of 3/8 inch. Maintain one of the following configurations for dot/ cell measurements:

	<u>ANSI</u>	<u>ADA</u>	<u>CA24</u>
Dot to Dot	0.092 inch	0.090 inch	0.100 inch
Cell to Cell	0.245 inch	0.241 inch	0.300 inch
Row to Row	0.40 inch	0.395 inch	---

5. The Braille area is to be located below the corresponding tactile text. On directional signs displaying more than one directive, Braille should be placed below each directive. On signs other than directional signs, if the tactile print message is multi-lined and expresses a phrase, the entire Braille text should be grouped together below the print message.

6. Raised Letters:

- a. Elementary Schools: 1/32" raised letters should be chemically adhered to substrate material.
- b. Middle / High Schools 1/16" routed or laser cut letters should be imbedded 1/32" below surface of a substrate and chemically adhered.

Part 3: Execution

- A. General: Location signunits and accessories were shown or scheduled, using methods of type described and in compliance with the manufacturer's instructions, unless otherwise indicated.
- B. Wall mounted panel signs: Attach panel signs to wall surfaces using the methods indicated below:
 - 1. Elementary / Middle Schools: Silicone adhesive mounting: Use standard liquid silicone adhesive recommended by the manufacturer to mount sign units. Use double sided vinyl tape

where recommended by the manufacturer to hold the sign in place until the adhesive has fully cured.

2. High Schools: Tamper proof stainless steel screws: Use pin torque tamper proof screws installed in each corner of sign panel.

3.02 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.

3.03 Signage Schedule

- A. Signage types are identified as follows and are graphically presented on the following pages:

Type A: 3" x 6" room number sign located at entrance to each room

Type B: 6" x 6" room name sign with insert for teachers name located at the entrance to each student occupied classroom / lab, etc.

Type B1: 3" x 6" room name sign

Type B2: 6" x 6": restroom designation sign located outside of each restroom door. (Include gender appropriate symbols)

Type C: 6" x 6" Fire Extinguisher Inside located outside all rooms containing fire extinguisher.

Type D: 6" x 6" located on exterior of all rooms equipped with emergency shut off valves.

Type E: 6" x 6" located on entrance to Clinic

Type F: 6" x 6" located in exterior of electrical rooms

Type G: 6" x 6" located at each building entrance

Type H: 6" x 6" located on exterior of all rooms containing fire pull station.

Type J: 1.25" x 4" F.I.S.H tag located on entrance side of all door frames

Type K: 6" x 6" located at each building entrance

Type L: 18" x 24" cast bronze plaque

Type M: 12" cast aluminum letters designating school names

Type N

Type P