

SECTION 10440
IDENTIFYING DEVICES

PART 1 GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division-1 specification section, apply to work of this section.

1.2 SECTION INCLUDES:

- A. Tactile/raised letter plastic signs.
- B. Individual plastic characters signs.
- C. Signs of silk-screened characters on plastic.
- D. Required sign type:
 - 1. Interior room, space and area ID signs.
 - 2. International symbols of accessibility for accessible spaces and exits.
 - 3. Accessible routes
 - 4. Tactile "exit" signs
 - 5. Hazard and safety signs
 - 6. Evacuation plans

1.3 REFERENCES

- A. ANSI A117.1 - Specifications for Making Buildings and Facilities Accessible To and Usable By Physically Handicapped People
- B. Florida Building Code, Chapter 11 and Section 423.14.2
- C. NFPA 101: 7.10.1.3.

1.4 SUBMITTALS

- A. Submit shop drawings under provisions of Section 01300.
- B. Shop Drawings: Indicate sign styles, lettering font, foreground and background colors, locations, overall dimensions of each sign and anchorage.
- C. Sign Schedule: Provide complete interior and exterior sign schedule showing sign type, location, and verb age.
- D. Samples: Submit two sample signs in size illustrating type, style, letter font and colors specified method of attachment.
- E. Manufacturer's Installation Instructions: Included installation template and attached devices.
- F. Colors: Colors shall be as selected by the Architect.

1.5 QUALIFICATIONS

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

1.6 REGULATORY REQUIREMENTS

- A. Conform to applicable codes for requirements for the physically handicapped, safety and egress.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver, store, protect and handle products to site under provisions of Section 01600.
- B. Package signs, labeled in name groups.
- C. Store adhesive attachment tape at ambient room temperatures.

1.8 ENVIRONMENTAL REQUIREMENTS

- A. Do not install signs 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 FLORIDA AMERICANS WITH DISABILITIES ACT REQUIREMENTS

- A. Manufacturer shall conform to tactile, Braille, letter size, and other requirements as required by Florida Accessibility Code for Building Construction and ANSI A117.1. ADA requirements supersede technical specifications in this Section.

2.2 MANUFACTURER

- A. Identifying devices shall be as manufactured by Inner Graphics Systems, or approved equal.
- B. Products of the following manufacturers are acceptable providing their products equal or exceed the quality specified; and they can provide signs of the type, size, finish, letter style, and arrangement required.
 - 1. ASI Sign Systems, Indianapolis, Indiana
 - 2. Best Mfg., Montrose, Colorado

2.3 BUILDING INTERIOR SIGNAGE

- A. Capacity signs for all rooms with a capacity of 50 persons or more as shown on the drawings.
 - 1. Furnish and install signage, 3" inch high by length required, reading "MAXIMUM CAPACITY". Allow for 3 digits maximum after "maximum capacity", copy as shown on the drawings.
 - 2. Material shall be 1/8" clear matte acrylic stock with subsurface printed dark gray ground and white copy. Signs shall have 3/8" radius corners.
 - 3. Mounting shall be with non-removable oval head screws using shields where mounted on masonry surfaces. Mount at locations as directed by Architect.
 - 4. Graphic Process: Raised letters and Braille shall be surface applied to the sign face or engraved as an integral part of the sign face.
 - 5. Letters: Letters and numbers shall have width to height ratio between 3:5 and 1:1 and stroke width to height ratio between 1:5 and 1:10. Letters and numbers shall be raised 1/32" upper case sans serif font type with Grade 2 Braille. Raised characters shall be 5/8" high minimum and 2" high maximum. Pictograms shall be accompanied by the equivalent verbal description placed directly below the pictogram.
 - 6. Characters and backgrounds must be eggshell, matte or other non-glaze surface.
- B. Toilet Room Handicapped Signs

1. Furnish and install one sign depicting National Handicapped Symbol (wheelchair) at each toilet room, equipped with facilities for the handicapped. Size shall be 6" by 6" with 3/8" inch radius corners.
 2. Material: 1/8" thick matte acrylic plastic with all edges eased.
 3. Graphic Process: Raised letters and Braille shall be formed as an integral part of the sign face or surface applied to the sign face.
 4. Colors: Letters and background colors as selected by Architect from manufacturer's standard colors.
 5. Letters: Letters and numbers shall have width to height ratio between 3:5 and 1:1 and a stroke width to height ratio between 1:5 and 1:10. Letters and numbers shall be raised 1/32" upper case sans serif font type with Grade 2 Braille. Raised characters shall be 2" inches high. Pictograms shall be accompanied by the equivalent verbal description placed directly below the pictogram.
 6. Mounting shall be with non-removable oval head screws at locations directed by Architect, 5 foot above finish floor to centerline of sign.
 7. Characters and backgrounds must be eggshell, matte or other non-glaze surface.
- C. Room Name and Number Signs
1. Separate signs for each room name and room number is required. 3" inch high by 10" minimum width for signs, longer where nomenclature demands. 3" inch high by 4 inch minimum for 4 digit numbers and letters, and longer where required. Provide 3/8" radius corners.
 2. Mounting: Non-removable oval head screws, using rawl plugs where mounted on masonry.
 3. Number shall be to the left of room name and contiguous to, mounted as directed by Architect. Verify exact location with Architect.
 4. All spaces listed in Finish Schedule plus if more than one door is to a space, additional signs will be required one by number of doors to space.
 5. Material: 1/8" thick matte acrylic plastic with all edges eased.
 6. Graphic Process: Raised letters and Braille shall be formed as an integral part of the sign face or surface applied to the sign face.
 7. Colors: Letters and background colors as selected by Architect from manufacturer's standard colors.
 8. Letters: Letters and numbers shall have width to height ratio between 3:5 and 1:1 and a stroke width to height ratio between 1:5 and 1:10. Letters and numbers shall be raised 1/32" upper case sans serif font type with Grade 2 Braille.
 9. Raised characters shall be 2" high. Pictograms shall be accompanied by the equivalent verbal description placed directly below the pictogram.
 10. Characters and backgrounds must be eggshell, matte or other non-glaze surface.
- D. Storage Signs
1. Provide and install at mechanical and electrical rooms a sign mounted on the door to read as follows: "STORAGE NOT PERMITTED"
 2. Signs shall be matte acrylic plastic, red background with white letters 3" high by width needed for copy and Braille, with 3/8" radius corners.
 3. Mount on doors with non-removable oval head screws. Verify number signs required.
 4. Graphic Process: Raised letters and Braille shall be formed as an integral part of sign face.
 5. Letters: Letters and numbers shall have width to height ratio between 3:5 and 1:1 and a stroke width to height ratio between 1:5 and 1:10. Letters and numbers shall be raised 1/32" upper case sans serif type with Grade 2 Braille. Raised characters shall be 2" high. Pictograms shall be accompanied by the equivalent verbal description placed directly below the pictogram.

6. Characters and backgrounds must be eggshell, matte or other non-glaze surface.
- E. Fire Extinguisher, Not an Exit and Pull Station Sign
 1. Copy to read: "Not An Exit", "Fire Pull Station Inside", and "Fire Extinguisher Inside"
 2. Red letters, same material, size and mounting in Article 2. 3 C., Interior room name and number signs.
 3. Braille sign not required for fire extinguisher.
- F. Stair Signs
 1. Provide separate signs for each stairway as required, 4" high by 12" width with 1/8" radius corners.
 2. Mounting: Non-removable oval head screws, using rawl plugs where mounted on masonry.
 3. Material: 1/8" thick matte acrylic plastic with all edges eased.
 4. Graphic Process: Raised letters and Braille shall be formed as an integral part of the sign face.
 5. Colors: Letters and background colors as selected by Architect from manufacturer's standard colors.
 6. Letters: Letters and numbers shall have width to height ratio between 3:5 and 1:1 and a stroke width to height ratio between 1:5 and 1:10. Letters and numbers shall be raised 1/32" upper case sans serif bold type with Grade 2 Braille.
 7. Raised characters shall be 5/8" high minimum and 2" high maximum. Pictograms shall be accompanied by the equivalent verbal description placed directly below the pictogram.
 8. Characters and backgrounds must be eggshell, matte or other non-glaze surface.
- G. Evacuation Plan
 1. Provide frame for a graphic floor plan in each student occupied room. Size to be 9" high by 12" in width. Provide a clear removable plastic cover over each sign. Sign cover will only be removable using a tool.
 2. Mounting: Mounting: Non-removable oval head screws, using rawl plugs where mounted on masonry. Plan to be supplied by the Architect upon request by the Contractor.
 3. Frame Material: Matte acrylic plastic with all edges eased.

2.4 BUILDING EXTERIOR SIGNAGE

- A. Emergency Access Opening
 1. Provide and install at designated emergency access openings a sign mounted on the door to read as follows: "EMERGENCY ACCESS OPENING."
 2. Signs shall be non-corrosive, 1/8" three ply laminate, UV inhibitors, non-glare surface, white background with red letters 3" high by width needed for copy.
 3. Mount on doors with non-removable oval head stainless steel screws. Verify number of signs required.
 4. Graphic Process: Raised letters shall be formed as an integral part of the sign face.
 5. Letters: Letters shall have width to height ratio between 3:5 and 1:1 and a stroke width to height ratio between 1:5 and 1:10. Letters shall be raised 1/32", upper case, and sans serif type.
 6. Background must be eggshell, matte or other non-glare surface.

PART 3 EXECUTION

3.1 INSTALLATION:

- A. Install all signs in strict accordance with manufacturer's instructions and FADA requirements. Room signs to be mounted 60" to center above finish floor on walls adjacent to the latch side of any door opening.

3.2 CLEANING:

- A. After installation, all exposed surfaces shall be thoroughly cleaned and all damaged material shall be restored to its original condition or replaced with new material.

3.3 WARRANTY:

- A. This Contractor shall fully guarantee all materials and labor under this section for a period of one (1) year from date of final acceptance of the building against all defects in both workmanship and materials and he shall promptly correct and/or replace such faulty work if so notified.

END OF SECTION