

**SECTION 10 14 00
SIGNAGE**

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 - Accessible and Usable Buildings and Facilities
- B. ASCE 7 – Minimum Design Loads for Buildings and Other Structures
- C. FBC – Florida Building Code - Accessibility
- D. FBC - Florida Building Code Section 423

1.4 SUBMITTALS

- A. Submit shop drawings under provisions of Section 01 33 00.
- B. Indicate sign styles, lettering font, foreground and background colors, locations, overall dimensions of each sign and anchorage.
- C. Provide complete interior and exterior sign schedule showing sign type, location, and verbiage.
- D. Samples: Submit two sample signs in size illustrating type, style, letter font, and colors specified, and method of attachment.
- E. Provide manufacturer's installation instructions, templates, and attached devices.
- F. 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 01 60 00.
- 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 FBC - Accessibility and ANSI A117.1.
- B. ADA requirements supersede technical specifications in this Section.

2.2 BUILDING SIGNAGE - GENERAL

- A. General; applies to all signs except as noted:
 - 1. Material shall be minimum 1/8" stock with 3/8" radius corners.
 - a. Exterior signs – Shall be UV stable material of lucent or phenolic resin using raised lettering, which is an integral part of the sign.
 - b. Interior signs – Shall be material of lucent or phenolic resin using raised lettering, which is an integral part of the sign.
 - c. Interior signs exposed to direct sun, shall be of same material as exterior signs.
 - d. Paint shall be Matthews Acrylic Polyurethane system or equal.
 - i) Shall be low VOC
 - ii) Shall be UV Stable
 - iii) Shall be lead and chromate free
 - iv) Minimum life expectancy of 10-years
 - 2. Applied lettering may be not allowed, with the approval of the Owner.
 - 3. Letters and background colors selected by Architect from manufacturer's standard colors
 - 4. Mounting:
 - a. Shall be with adhesives and/or non-removable oval head screws as indicated on the contract documents.
 - b. Mount at locations as directed by Architect
 - c. Mount as required by the FBC Accessibility section 703.4
 - 5. Graphic Process with Braille in one of the following, but no applied lettering method allowed:
 - a. Provide raised (photopolymer process)
 - b. Engraved letters
 - c. Sand craved process
 - 6. Letters:
 - a. Letters and numbers shall meet the requirements of FBC _ Accessibility section 703.
 - b. Letters and numbers to be raised $1/32$ " upper case sans serif font meeting the requirements of section 703 FBC Accessibility
 - c. Raised characters shall be 5/8" high minimum and 2" high maximum.
 - d. Braille shall be installed on sign as per section 703.3 FBC Accessibility
 - e. Pictograms shall have the equivalent verbal description directly below the pictogram and follow requirements of section 703.6 FBC Accessibility.
 - 7. Characters and backgrounds must be matte or other non-glaze surface and of castrating colors.
 - 8. All signs shall comply with chapter FBC - Accessibility.
- B. Capacity signs:
 - 1. For all rooms with a capacity of 50 persons or more as shown on the drawings or other rooms as indicated on the plans.
 - 2. Furnish and install signage, 3" high by length required, reading "MAXIMUM CAPACITY".
 - 3. Allow for 3-digits maximum after "maximum capacity", copy as shown on the drawings.

- C. Toilet Room Accessibility Signs
 - 1. Furnish and install one sign depicting International Symbol of Accessibility (wheelchair) at each toilet room, equipped with facilities for the handicapped.
 - a. Size of pictogram field shall be 6" by 6" minimum increase size as necessary to add any required lettering.
- D. Room Name and Number Signs
 - 1. Provide a sign for each room or space to include name and room number.
 - a. Classroom and administrative office signs shall have a slot providing the owner the ability to add a teacher's name and change the name as necessary.
 - b. Minimum size of 3" high by 6" wide for signs, longer where nomenclature demands
 - 2. Mount number as directed by Architect.
 - 3. All spaces listed in Finish Schedule plus one at each additional door if more than one door to a space.
- E. Storage Signs
 - 1. Provide and install at mechanical and electrical rooms a sign mounted on the door to read as follows: " STORAGE NOT ALLOWED"
 - 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.
- F. Fire Extinguisher, No Exit and Pull Station Sign
 - 1. Copy to read: "No Exit", "Fire Pull Station Inside", And "Fire Extinguisher Inside"
 - 2. Red letters, same material, size and mounting as in A. General.
 - 3. NO EXIT sign shall have letter size as per NFPA 101 section 7.10.8.3.
 - 4. Braille sign not required for fire extinguisher.
 - 5. See plans for locations.
- G. Stair Signs
 - 1. Provide tactile signs at each doorway leading to exit stairway.
 - 2. Wording on sign: "EXIT"
- H. Evacuation Plan
 - 1. Provide frame for a graphic floor plan in each student occupied room.
 - a. Minimum size to be nominal 9" high by 12" width
 - b. Provide a clear removable plastic cover over each sign.
 - c. Sign shall meet the FBC – Accessibility requirements.
 - 2. Mounting:
 - a. Non-removable oval head screws, using rawl plugs where mounted on masonry.
 - b. Architect shall supply the plans to the Contractor.
 - 3. Frame Material: Matte acrylic plastic with all edges eased and tempered glass or clear plastic cover.
- I. Fire Rated/Smoke Partition Labeling
 - 1. Field label all fire rated walls above ceiling level, with fire rating shown on the construction plans.
 - a. Provide minimum 1½" high block lettering, stenciled or self-adhesive, on wall above finished ceiling. If in a storage, mechanical, electrical, or similar unfinished room without finished ceiling, install at approximately 84 inches above floor.
 - b. *(Contractor to use rating from permit plans)* HOUR FIRE RATED WALL, PROTECT ALL OPENINGS AND THROUGH WALL PENETRATIONS PER CODE REQUIREMENTS.

2. Field label all smoke partitions above ceiling level.
 - a. Provide minimum 1½" high block lettering, stenciled or self-adhesive, on wall above finished ceiling. If storage, mechanical, electrical, or unfinished room without finished ceiling, install at 84" above floor.
 - b. SMOKE PARTITION, PROTECT ALL OPENINGS AND THROUGH WALL PENETRATIONS PER CODE REQUIREMENTS.
 - J. Mechanical, Electrical, Data, and Similar Rooms
 1. Provide a sign saying "NO STORAGE" meeting the General requirements.
 2. If these rooms have pair of doors, provide sign saying "THIS DOOR TO REMAIN CLOSED AND LATCHED TOP AND BOTTOM, EXCEPT DURING THE TRANSFER OF EQUIPMENT".
 - a. Sign shall have 1" high block letters and be permanently attached (Attached in way as to maintain the rating of the door) to the inactive door near the latch side 60 inches from finished floor to center of sign.
 - b. Braille not required for this sign.
- 2.3 BUILDING SPECIALITY 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, and 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 an integral part of the sign face, do not surface apply any lettering.
 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.
 - a. Letters shall be raised 1/32" upper case, and sans serif type.
 6. Background must be matte or other non-glare surface.
 - B. Exterior Building Letters and Street Numbers
 1. Provide minimum 12" high by ¼" thick non-illuminated letters as indicate on plans forming the school name.
 2. Provide minimum 8" high by ¼" thick non-illuminated letters on the building as indicate on plans forming the school's street address.
 3. Letter style is Helvetica Medium
 4. Use F-214 alloy aluminum welded construction of anodized clear satin finish with inlaid properly sanded and primed to receive type A10 baked enamel color as selected by the Architect and Owner from manufacturer's standard colors.
 5. Install using manufacturers approved anchoring method to meet ASCE 7 wind load requirements.
 6. School name and street address shall be visible from the main road fronting the campus.

PART 3 EXECUTION

3.1 INSTALLATION

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

The School District of Palm Beach County

Project Name

SDPBC Project No.

3.2 CLEANING

- A. After installation, thoroughly clean all exposed surfaces and restore all damaged material 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 5-years 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