

SECTION 10431 - SIGNS

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

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

1.02 SUMMARY

- A. This Section includes interior panel signs.
- B. Client logo signs
- C. Related Sections include the following:
 - 1. Division 2 Sections for site signage.

1.03 SUBMITTALS

- A. General: Submit in accordance with Section 01330.
- B. Product Data: Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for each type of sign.
- C. Shop Drawings: Include plans, elevations, and large-scale sections of typical members and other components. Show mounting methods, grounds, mounting heights, layout, spacing, reinforcement, accessories, and installation details.
 - 1. Provide message list for each sign, including large-scale details of wording, lettering, artwork, and Braille layout.
- D. Samples for Initial Selection: For each type of sign material indicated that involves color selection.
- E. Maintenance Data: For signage cleaning and maintenance requirements to include in maintenance manuals.

1.04 QUALITY ASSURANCE

- A. Source Limitations: Obtain each sign type through one source from a single manufacturer.

1.05 COMPLIANCE

- A. Regulatory Requirements: Comply with the Americans with Disabilities Act (ADA) and with code provisions as adopted by authorities having jurisdiction, conditions noted and specified requirements.
 - 1. Sign Finish and Contrast: The color selected for the character and symbols shall be in marked contrast to the sign background. Characters and background shall be matte or other non-glare finish.
 - 2. Tactile and Braille: Characters shall be raised **1/32-inch** and be accompanied

by Grade II Braille.

3. Typestyle - Characters must be uppercase and sans serif or simple serif style. Directional and informational signs are allowed to include lower case letters. Characters must have width-to-height ratio of between 3:5 to 1:1. Characters must have a stroke to height ratio of 1:5 to 1:10.
4. Character Height - Tactile characters height must be between 5/8" and 2", all caps. Characters on projected or overhead signs must be a minimum of 3" high. Characters on directional signs and informational signs must be sized appropriate to the viewing distance.
5. Pictograms: Shall be accompanied by the equivalent written description placed directly below pictogram and be in a background area of at least 6- x 6-inches.

1.06 PROJECT CONDITIONS

- A. Field Measurements: Where sizes of signs are determined by dimensions of surfaces on which they are installed, verify dimensions by field measurement before fabrication and indicate measurements on Shop Drawings.

1.07 COORDINATION

- A. For signs supported by or anchored to permanent construction, advise installers of anchorage devices about specific requirements for placement of anchorage devices and similar items to be used for attaching signs.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

- A. In other Part 2 articles where titles below introduce lists, the following requirements apply for product selection:
 1. Basis-of-Design Product: The design for each sign is based on the product named. Subject to compliance with requirements, provide either the named product or a comparable product by one of the other manufacturers specified.

2.02 SIGNS

- A. General: Provide panel signs that comply with requirements indicated for materials, thicknesses, finishes, colors, designs, shapes, sizes, and details of construction.
 1. Produce smooth panel sign surfaces constructed to remain flat under installed conditions within tolerance of plus or minus **1/16 inch** measured diagonally.
- B. Basis-of-Design Product: Welch Architectural Signage, 7 Lincoln Ave, Scarborough, ME 04074. Phone (800) 635-3506 - Fax (800) 225-6859; contact: Jeff Pappalardo.

2.03 SIGN TYPES COMMON AREAS

- A. Interior Panel Signs:
 1. Substrate: Fabricate signs from 1/8 inch thick matte clear acrylic with 1/4" beveled backer plate. Backer plate from 1/8-inch thick Matte clear acrylic. Edges mechanically and smoothly finished to eliminate cut marks. Background color to be subsurface

- design of sign.
- 2. Background Color: Custom color to be selected by Architect.
- 3. Edges: Straight.
- 4. Corners: Rounded.
- 5. Size: As indicated.
- 6. Copy: Helvetica or as shown on drawings.
- 7. Copy Color: To be selected by Architect from manufacturer's standards.
- 8. Letterform: Apply 1/32-inch computer precision cut tactile copy. All uppercase, normal spacing, 5/8-inch minimum letter height. Tactile letters will be applied in a manner that avoids scoring of the sign's surface at base of tactile letters.
- 9. Braille: Use raster process to create all Braille cells. Drill holes in each dot location and fit clear raster balls into each hole.

2.04 FINISHES, GENERAL

- A. Appearance of Finished Work: Variations in appearance of abutting or adjacent pieces are acceptable if they are within one-half of range of approved Samples. Noticeable variations in same piece are not acceptable. Variations in appearance of other components are acceptable if they are within range of approved Samples and are assembled or installed to minimize contrast.
- B. Client Logo Signs – Aluminum. Provide sign(s) as detailed on drawings and having the following characteristics:
 - 1. Flat cut dimensional 3/8" thick satin aluminum symbols and individually prepared aluminum sections for logo.
 - 2. Size: As indicated.
 - 3. Style and Size: As selected by Architect.
- C. Client Logo Signs – Sintra (PVC): Provide sign(s) as detailed on drawings and having the following characteristics:
 - 1. 1/2" thick Sintra painted logo and 1/4" thick Sintra painted logo.
 - 2. Size: As indicated on drawings.
 - 3. Style and Size: Flush mount to wall

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of work.
- B. Verify that items provided under other sections of Work are sized and located to accommodate signs.
- C. Examine supporting members to ensure that surfaces are at elevations indicated or required to comply with authorities having jurisdiction and are free from dirt and other deleterious matter.
- D. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 INSTALLATION

- A. General: Locate signs and accessories where indicated, using mounting methods in compliance with manufacturer's written instructions.
 - 1. Install signs level, plumb, and at heights indicated, with sign surfaces free from distortion and other defects in appearance.
 - 2. Interior Wall Signs: Install signs on walls adjacent to latch side of door where applicable. Where not indicated or possible, such as double doors, install signs on nearest adjacent walls. Locate to allow approach within 3-inches of sign without encountering protruding objects or standing within swing of door.

3.03 CLEANING AND PROTECTION

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

3.04 SIGN SCHEDULE

- A. Interior Panel Signs: Provide where indicated and where required by code.
 - 1. Men 101, Women 102, Janitor 103, Stair 1 107, Mechanical/Electrical 202
- B. Client Logo Sign – Aluminum: Lobby 118 (10) symbols total
- C. Client Logo Sign - Sintra: Drive Thru 116
- D. Interior Panel Signs:
 - 1. Men 101, Women 102
 - a. Lock door while in use

END OF SECTION 10431