



SIGN SPECIFICATIONS

SECTION 10425 – PANEL SIGNS

PART 1 – GENERAL

1.1 SUMMARY

A. This section includes the following:

1. Panel Signs

1.2 SUBMITTALS

- A. Product Data: Include fabrication drawings to show construction details, material descriptions, dimensions of individual components and profile views and finishes for each type of sign.
- B. Provide Message List for each sign including large-scale details of wording, lettering, artwork and Braille layout.
- C. Samples for initial selection: For each type of sign material indicated that involves color selection.
 1. Provide message list for each sign, details of wording, lettering and Braille layout.

1.3 QUALITY ASSURANCE

- A. Installer Qualifications: An employer of craftsmen trained and certified by sign manufacturer.
- B. Source Limitations: Obtain each sign type from single manufacturer.
- C. Regulatory requirements: Comply with the Americans with Disabilities Act (ADA) and with code provisions as adopted by local authorities having jurisdiction.

1.4 PERFORMANCE REQUIREMENTS

- A. Provide signage that conforms to the requirements of all regulatory agencies holding jurisdiction.
- B. Comply with all applicable provisions of the 2010 Standards for Accessible Design (the updated ADA Accessibility Guidelines, ADAAG), effective in March 2011. Requirements include, but are not limited to the following:
 1. Tactile copy must be all upper case and raised at least 1/32". Tactile characters must be san serif, not italic, not oblique, script or highly decorative.
 2. The stroke width of the upper case "I" has to be 15% of the letter height or less. The character width of the uppercase "O" must be between 55% and 110% of the height of the corresponding uppercase "I".
 3. The copy height for tactile information must be between 5/8" and 2". If separate visual characters are provided, raised characters can be 1/2" and need not contrast with the background.
 4. The distance between characters on tactile copy must be a minimum of 1/8" and a maximum of 4 times the character stroke width. These distances are measured between the closest points of adjacent characters.
 5. Spacing between lines of tactile copy needs to be a minimum of 135% and a maximum of 170% of the corresponding uppercase "I" height (measured from baseline to baseline).
 6. Braille must be Grade II and positioned directly below the corresponding raised characters. If text is multi-lined, Braille is placed below the entire body of text and separated 3/8" from any other tactile characters and 3/8" minimum from raised borders and decorative elements.

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7. Visual characters and symbols, and their background, are to have a non-glare finish. The color of raised characters must contrast as much as possible with their background to make sure signs are more legible for persons with low vision.
8. Pictograms, selected from International Standards, are to be located within a 6" vertical void and accompanying text descriptions are to be located directly below the pictogram.

1.5 WARRANTY

- A. Manufacturer agrees to repair or replace components that fail in materials or workmanship within the specified warranty period. Failure include the following:
 1. Deterioration of finishes / graphics beyond normal weathering
 2. Deterioration of raised text and braille.
- B. Warranty Period: two years from the date of final completion

PART 2 – PRODUCTS

2.1 MANUFACTURERS

- A. Graphics 22 Signs, Inc. www.graphics22signs.com
5212 Lytle Street, Pittsburgh, PA 15207
Phone: 412-422-8226 fax: 412.422.1226 sales@graphics22signs.com

2.2 PRODUCT NAME

- A. EliteSign™

2.3 GENERAL DESCRIPTION

- A. General description: UV/LED-cured, 1/32" thick, direct-printed raised characters and fully domed, Grade II Braille dots, printed on a wide range of substrates and insert materials including painted acrylic, translucent acrylic, PETG, satin anodized or painted aluminum, direct-print background graphics and more. Photopolymer process or applied letters and Braille are not acceptable.
- B. GRAPHIC CONTENT AND STYLE
 1. Provide sign copy that complies with requirements indicated in the Drawings and Contract Documents for size, style, spacing, content, mounting height and location. Materials, finishes and colors of signage.
- C. TACTILE AND BRAILLE COPY
 1. Manufacturer's UV/LED process for producing copy complying with ADA Accessibility Guidelines and ICC/ANSI A117.1.
 2. Text to be accompanied by Grade 2 Braille.
 3. Raised Copy and Pictogram UV cured to sign panel to produce raised copy between 5/8" – 2" height and no less than 1/32 inch (0.8 mm) raised with accompanying Grade II braille message.

PART 3 – EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.



- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

- A. Install products in accordance with manufacturer's instructions, in locations and with mounting methods as specified in sign and location drawings.
- B. Square, plumb and level all installed products.
- C. Install all signage in accordance with the 2010 Standard for Accessible Design (SAD), effective in March 2011, and any applicable local regulations and/or codes.
- D. Upon completion of the work, sign installer shall remove any unused products, materials, packaging and debris from the installation site.

3.4 CLEANING

- A. Clean all exposed surface not more than 48 hours prior to Date of Substantial Completion in accordance with manufacturer's written cleaning instructions.

3.5 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

3.6 SIGN SCHEDULES

- A. Refer to Signage Schedule and Drawings for sizes, locations, sign types, layouts, typography specifications, sign text/copy and sign graphics.

PART 4 – ACCESSORIES

4.1 VINYL FILM

- A. Provide opaque non-reflective vinyl film, 0.0035 inch (0.089mm) minimum thickness, with pressure sensitive adhesive backing suitable for both exterior and interior applications for signs mounted on glass.

4.2 MOUNTING METHODS

- A. Use double-sided aggressive tape fabricated from materials that are not corrosive to sign material and mounting surface.
- B. Apply small amount of clear silicone adhesive to back of sign before installation.

4.3 ANCHORS AND INSERTS

- A. Provide non-ferrous metal or hot dip galvanized anchors and inserts for exterior installations and elsewhere as required for corrosion resistance.
- B. Use toothed steel or lead expansion bolt devices for drilled-in-place anchors.
- C. Furnish inserts, as required, to be set into concrete or masonry work.

4.4 MECHANICAL FASTENERS

- A. Use non-removable mechanical fasteners placed through predrilled holes.
- B. Attach signs with fasteners and anchors suitable for secure attachment to substrate as recommended in writing by sign manufacturer.

4.5 FRAMES

- A. Fabricate frames to profile indicated; comply with the following requirements for materials and corner conditions:
- B. Material: Aluminum extruded or cast.
- C. Plastic: Corner Condition: Square or radius

END OF SECTION