

**SECTION 10 14 00
SIGNAGE - VAMC ALBANY, NY**

INTERIOR SIGNAGE

PART 1 - GENERAL

1.1 DESCRIPTION

- A. This section specifies interior signage for room identification, life safety and directional/ wayfinding signs.

1.2 MANUFACTURER'S QUALIFICATIONS

Sign vendor shall provide evidence that they regularly and presently manufacture signs similar to those specified in this section as one of their principal products. Sign vendor shall have at least 5 years experience and have completed 5 other similar VA signage projects within the last 5 years. Recommended Vendor: Creative Signage System, Inc. 9101 51st Place College Park, MD 20740 P: 301-345-3700 E: creative@creativesignage.com.

1.3 SUBMITTALS

- A. Manufacturer's Literature:
1. Showing the methods and procedures proposed for the concealed anchorage of the signage system to each surface type and the frame profile / construction.
 2. Manufacturer's printed specifications, anchorage details, installation and maintenance instructions.
- B. Samples: Sign location plan, showing location, type and total number of signs required.
- C. Shop Drawings: Scaled for manufacture and fabrication of sign types. Identify materials, show joints, welds, anchorage, accessory items, mounting and finishes.
- D. Certification of meeting environmental attributes required within specification.
- E. Physical sample of sign type D1A/F1/W-PB

1.4 DELIVERY AND STORAGE

- A. Deliver materials to job in manufacturer's original sealed containers with brand name marked thereon. Protect materials from damage.
- B. Package to prevent damage or deterioration during shipment, handling, storage and installation. Maintain protective covering in place and in good repair until removal is necessary.
- C. Deliver signs only when the site and mounting services are ready for installation work to proceed.

D. Store products in dry condition inside enclosed facilities.

1.5 APPLICABLE PUBLICATIONS

- A. The publications listed below form a part of this specification to the extent referenced. The publications are referenced in the text by the basic designation only.
- B. American Society for Testing and Materials (ASTM):
B209-07.....Aluminum and Aluminum-Alloy Sheet and Plate
B221-08.....Aluminum and Aluminum-Alloy Extruded Bars, Rods,
Wire, Shapes, and tubes.
- C. Federal Specifications (Fed Spec):
MIL-PRF-8184F.....Plastic Sheet, Acrylic, Modified.
MIL-P-46144C.....Plastic Sheet, Polycarbonate

1.6 MINIMUM SIGN REQUIREMENTS

- A. Permanent Rooms and Spaces:
1. Tactile and Braille Characters, raised minimum 0.793 mm (1/32 in). Characters shall be accompanied by Grade 2 Braille.
 2. Type Styles: Characters shall be uppercase, Helvetica Medium, Helvetica Medium Condensed and Helvetica Regular.
 3. Character Height: Minimum 16 mm (5/8 in) high, Maximum 50 mm (2 in).
 4. Symbols (Pictograms): Equivalent written description shall be placed directly below symbol, outside of symbol's background field. Border dimensions of symbol background shall be minimum 150 mm (6 in) high.
 5. Finish and Contrast: Characters and background shall be non-glare finish with adequate contrast with background.
 6. Mounting Location and Height: To comply with ADA Regulations. Mount on wall adjacent to the latch side of the door and to avoid door swing and protruding objects.
 7. All signs shall have a recycled aluminum parallel bar frame for mechanical wall mounting, durability and style.
 8. All wall mounted signs must be mechanically fastened to the wall unless noted as an exception.
- B. Overhead Signs:
1. Type Styles: As shown. Characters shall have a width-to-height ratio between 3:5 and 1:1. Characters shall have a stroke width-to-height ratio of between 1:5 and 1:10.
 2. Character Height: minimum 75 mm (3 in) high for overhead signs. As shown, for directional signs.
 3. Finish and Contrast: Same as for signs of permanent rooms and spaces.
 4. Mounting Location and Height: As shown.

1.7 COLORS AND FINISHES:

CSS 2-Ply Non-Glare Acrylic with Subsurface Gannett Off White Background with CSS Satin Anodized Aluminum Parallel Bar Frame. Sign frames to contain 75% Recycled content. Sign backing to be an Environmental Preferable Product (EPP Downstream Certified). Overhead Signage to have 2" solid wood header. Life Safety Signage color Fire Red Background with White Copy & Graphics.

1.8 REPLACEMENT AVAILABILITY

All products designed must be readily available items on GSA Schedule for ease in future procurement. All signs must be American made and under standard GSA warranties.

PART 2 - PRODUCTS

2.1 GENERAL

- A. Signs of type, size and design shown on the drawings and as specified.
- B. Signs complete with lettering, framing and related components for a complete installation.
- C. Provide graphics items as completed units produced by a single manufacturer, including necessary mounting accessories, fittings and fastenings.
- D. Do not scale drawings for dimensions. Contractor to verify and be responsible for all dimensions and conditions shown by these drawings. Resident Engineer to be notified of any discrepancy in drawing, in field directions or conditions, and/or of any changes required for all such construction details.

2.2 PRODUCTS

- A. Aluminum:
 - 1. Sheet and Plate: ASTM B209.
 - 2. Extrusions and Tubing: ASTM B221.
- B. Cast Acrylic Sheet: MIL-PRF-8184F; Type II, class 1, Water white non-glare optically clear. Matte finish water white clear acrylic shall not be acceptable.
- C. Polycarbonate: MIL-P-46144C; Type I, class 1.
- D. Vinyl: 0.1 mm thick machine cut, having a pressure sensitive adhesive and integral colors.

2.3 SIGN STANDARDS

- A. Topography:
 - 1. Type Style: Helvetica Medium and Times New Roman. Initial caps or all caps as indicated in Sign Message Schedule.
 - 2. Arrow: See graphic standards in drawings.

3. Letter spacing: See graphic standards on drawings.
4. Letter spacing: See graphic standards on drawings.
5. All text, arrows, and symbols to be provided in size, colors, typefaces and letter spacing shown. Text shall be a true, clean, accurate reproduction of typeface(s) shown. Text shown in drawings are for layout purposes only; final text for signs is listed in Sign Message Schedule.

2.4 CONSTRUCTION

Interior Signs- are composed of two ply-1/16" matte faceplate laminated to 1/8" clear back plate with No.CC69017c compound high performance contact adhesive - shear strength and tack/heat resistance greater than pressure sensitive adhesives. Pocket signs created using No. 38 -.080" separating rib(s) to form insert space for custom computer generated acetate with package results in 5 3/16" inserts and 2 1/16" inserts **(the use of adhesive strips instead of ribs is not acceptable)**. Signs to nest into Type OS22 custom extruded, precision mitered, aluminum parallel bar frame composed of clear anodized **aluminum with a minimum of 75% recycled content**. Parallel bar frame is to be assembled with a two part epoxy process using **composite board back plate made of recycled content and EPP Downstream Certified**. The room number portion to use injected molded ABS characters. Grade II Braille to be produced with high pressure surface beading directly below tactile number 3/16" minimum. Braille translation via Duxbury Braille translator. Subsurface screen inks must be equal to NAZ-DAR Industrial Lacquer #7200 -series with 2-Propoxyethanol CAS # 2807-30-9; 2-Butoxethanol CAS # 111-76-2 ; Isopropyl Alcohol CAS # 67-63-0; Toluene CAS#108-88-3 and must match #6213 Jade with black text (HM). **All sign colors and non ADA copy must be subsurface applied. Surface color or copy including laminates is not acceptable.**

2.5 FABRICATION

- A. Design components to allow for expansion and contraction for a minimum material temperature range of 56 °C (100 °F), without causing buckling, excessive opening of joints or over stressing of adhesives, welds and fasteners.
- B. Form work to required shapes and sizes, with true curve lines and angles. Provide necessary rebates, lugs and brackets for assembly of units. Use concealed fasteners whenever and wherever possible.
- C. Shop fabricate so far as practicable. Joints fastened flush to conceal reinforcement, or welded where thickness or section permits.

- D. Contact surfaces of connected members be true. Assembled so joints will be tight and practically unnoticeable, without use of filling compound.
- E. Signs shall have fine, even texture and be flat and sound. Lines and miters sharp, arises unbroken, profiles accurate and ornament true to pattern. Plane surfaces be smooth flat and without oil-canning, free of rack and twist. Maximum variation from plane of surface plus or minus 0.3 mm (0.015 inches. Restore texture to filed or cut areas.
- F. Level or straighten wrought work. Members shall have sharp lines and angles and smooth surfaces.
- G. Extruded members to be free from extrusion marks. Square turns and corners sharp, curves true.
- H. Drill holes for bolts and screws. Conceal fastenings where possible. Exposed ends and edges mill smooth, with corners slightly rounded. Form joints exposed to weather to exclude water.
- I. Finish hollow signs with matching material on all faces, tops, bottoms and ends. Edge joints tightly mitered to give appearance of solid material.
- J. All painted surfaces properly primed. Finish coating of paint to have complete coverage with no light or thin applications allowing substrate or primer to show. Finished surface smooth, free of scratches, gouges, drips, bubbles, thickness variations, foreign matter and other imperfections.
- K. Movable parts, including hardware, are to be cleaned and adjusted to operate as designed without binding or deformation of members. Doors and covers centered in opening or frame. All contact surfaces fit tight and even without forcing or warping components.
- L. Pre-assemble items in shop to greatest extent possible to minimize field splicing and assembly. Disassemble units only as necessary for shipping and handling limitations. Clearly mark units for re-assembly and coordinated installation.
- M. No signs are to be manufactured until final sign message schedule and location review has been completed by the Resident Engineer & forwarded to contractor.

PART 3 - SIGN TYPES

Interior

- 1 Sign Type D1A/F/PB/W 6" x 9" Room and Area ID
- 2 Sign Type R/W-PB 6" x 9" Function Signs only
- 3 Sign Type E/W-PB 6" x 9" RACE Pull Station information
- 4 Sign Type O/W-PB 6" x 30" Similar Style, Function Signs only
- 5 Sign Type D1A/F/W-PB with added O/W slider insert, 8" x 9"

- 6 Sign Type G-Right Angle D/F (wall or ceiling mounts) 6" x 9"
 - 7 Sign Type V/W-PB Evacuation Plan 6 x 9
 - 8 Sign Type R/W-PB similar 6 x 9, Occupancy Load slot holder for insert
- See drawings for schedule

PART 4 - EXECUTION

3.1 INSTALLATION

- A. Protect products against damage during field handling and installation.
- B. Mount signs in proper alignment, level and plumb according to the sign location plan and the dimensions given on elevation and sign location drawings. Where otherwise not dimensioned, signs shall be installed where best suited to provide a consistent appearance throughout the project. When exact position, angle, height or location is in doubt, contact Resident Engineer for clarification.
- C. All wall mounted signs must be mechanically fastened to the wall unless noted as an exception.
- D. Remove or correct signs or installation work Resident Engineer determines as unsafe or as an unsafe condition.

- - - END - - -