

SECTION 10 14 00
SIGNAGE

PART 1 - GENERAL

1.1 DESCRIPTION

- A. This section specifies interior signage.

1.2 RELATED WORK

- A. Electrical: Related Electrical Specification Sections.
B. Color Finish: Section 09 06 00, SCHEDULE FOR FINISHES.

1.3 MANUFACTURER'S QUALIFICATIONS

Sign manufacturer shall provide evidence that they regularly and presently manufacture signs similar to those specified in this section as one of their principal products.

1.4 SUBMITTALS

- A. Submit in accordance with Section 01 33 00, SHOP DRAWINGS, PRODUCT DATA AND SAMPLES.
- B. Samples: Sign panels and frames, with letters and symbols, each type. Submit 2 sets. One set of samples will be retained by COR, other returned to Contractor.
1. Sign Panel, 200 mm x 250 mm (8 inches x 10 inches), with letters.
 2. Color samples of each color, 150 mm x 150 mm (6 inches x 6 inches). Show anticipated range of color and texture.
 3. Sample of typeface, arrow and symbols in a typical full size layout.
- C. Manufacturer's Literature:
1. Showing the methods and procedures proposed for the concealed anchorage of the signage system to each surface type.
 2. Manufacturer's printed specifications, anchorage details, installation and maintenance instructions.
- D. Samples: Sign location plan, showing location, type and total number of signs required.
- E. Shop Drawings: Scaled for manufacture and fabrication of sign types. Identify materials, show joints, welds, anchorage, accessory items, mounting and finishes.
- F. Full size layout patterns for dimensional letters.

1.5 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.

1.6 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

1.7 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 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 eggshell, matte or other non-glare finish with adequate contrast with background.
 - 6. Mounting Location and Height: As shown. Mount on wall adjacent to the latch side of the door and to avoid door swing and protruding objects.
- 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.

1.8 COLORS AND FINISHES:

Section 09 06 00, SCHEDULE FOR FINISHES.

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. COR to be notified of any discrepancy in drawing, in field directions or conditions, and/or of any changes required for all such construction details.
- E. The Sign Contractor, by commencing work of this section, assumes overall responsibility, as part of his warranty of work, to assure that assemblies, components and parts shown or required within the work of the section, comply with the Contract Documents. The Contractor shall further warrant: That all components, specified or required to satisfactorily complete the installation are compatible with each other and with conditions of installations.

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. Matt 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 Helvetica Medium Condensed. Initial caps 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 is for layout purposes only; final text for signs is listed in Sign Message Schedule.

2.4 SIGN TYPES

A. Sign Types 1, 2, and 3:

1. Bar system sign frames with premier 25 mm (1 inch) parallel bar system top and bottom with 229 mm (9 inch) wide back plate.
2. Signage inserts match to CSS GQ Brown (brown face with white underside)
3. Signs attach to back plate system with standard double-sided tape attachments for inserts or number blocks.
4. Materials consist of 75% recycled content. Aluminum extrusion and EPP Downstream Certified Environmentally Preferable signage product materials.
5. Signage is double sided tapped or mechanically mounts to walls providing easy sign moves and no wall damage.
6. Component based sign system for easy updatability.
7. Signage system provides compatible software program to make room ID/function sign updates with existing computer and printer equipment allowing for quickly and easily updating signage by In-house staff.
8. Finishes and styles to coordinate with facility existing signage for easy of re-configurations.
9. Dimensions of signs typically are 152 mm (6 inch)high x 229 mm (9 inch) wide (excluding the backer frame) which is always with a 25 mm (1 inch) parallel bar frame in silver finish recycled aluminum.
10. Total thickness of system is 6 mm (1/4 inch) for the backer plate.

B. Sign Types 4, 5, 6, and 7:

1. All text and graphics are to be first surface silk-screened.

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 to be true. Assemble 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 COR and/or COR Interior Design and forwarded to contractor.

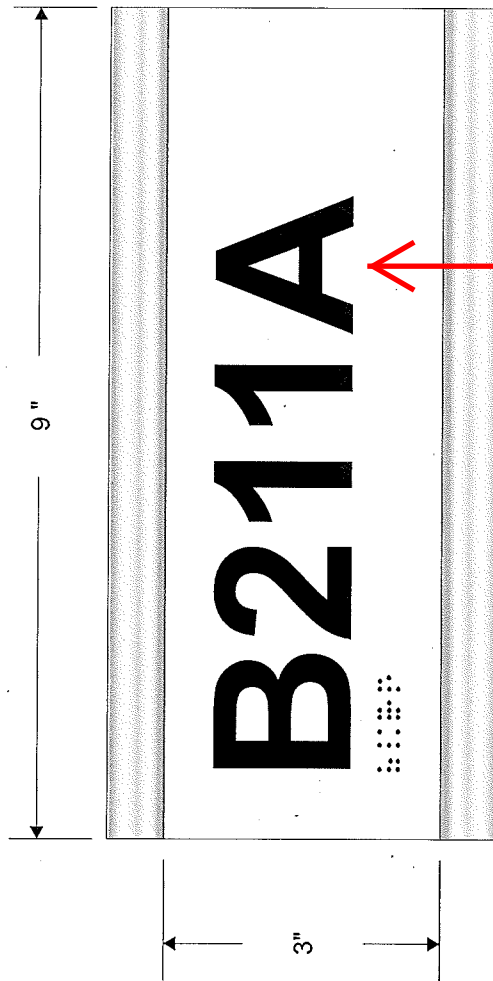
PART 3 - EXECUTION

3.1 INSTALLATION

- A. Protect products against damage during field handling and installation. Protect adjacent existing and newly placed construction, landscaping and finishes as necessary to prevent damage during installation. Paint and touch up any exposed fasteners and connecting hardware to match color and finish of surrounding surface.
- 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 COR for clarification.
- C. Contractor shall be responsible for all signs that are damaged, lost or stolen while materials are on the job site and up until the completion and final acceptance of the job.
- D. Remove or correct signs or installation work COR determines as unsafe or as an unsafe condition.
- E. At completion of sign installation, clean exposed sign surfaces. Clean and repair any adjoining surfaces that became soiled or damaged as a result of installation of signs.
- F. Locate signs as shown on the Sign Location Plans.
- G. Certain signs may be installed on glass. A blank glass back up is required to be placed on opposite side of glass exactly behind sign being installed. This blank glass back up is to be the same size & color as sign being installed.
- H. Contractor will be responsible for verifying that behind each sign location there are no utility lines that will be affected by installation of signs. Any damage during installation of signs to utilities will be the sole responsibility of the Contractor to correct and repair.
- I. Furnish inserts and anchoring devices which must be set in concrete or other material for installation of signs. Provide setting drawings, templates, instructions and directions for installation of anchorage devices which may involve other trades.

- - - END - - -

Renovate 4A for Community Living Center (CLC) - Signage Layout Chart					
Sign Code	VA Designation	Content - Verify "message" with COR	Size	Comments	
1	IN-03.01	Room Number	3"H x 9"W		
2	IN-04.03	Room Number and Room Name, Room Number and Resident Name (at Resident Display Niche)	6"H x 9"W	3" room number, 3" room/resident name	
3	IN-09.03	"RESTROOM"	12"H x 9"W	3" room number, unisex symbol	
4	IN-01.10	"STAIRS FIRE EXIT"	9"H x 9"W	Provide at each door to stairs	
5	IN-01.31	"Fire Extinguisher"	9"H x 9"W	Provide above each fire extinguisher cabinet	
6	E/W - RACE (Albany Stratton VA specific)	In case of fire: RACE	6"H x 9"W	Phone ext to read xt62911 , provide adjacent to each door to stairs	
7	-	"Community Living Center, Wing 4A"	16"H x 22W		
8	-	Room Number	6"		



IN-03.01

Sign Code

1

Room & Area ID: ADA Compliant Room Number ID

Sign Frame contains 75% recycled content

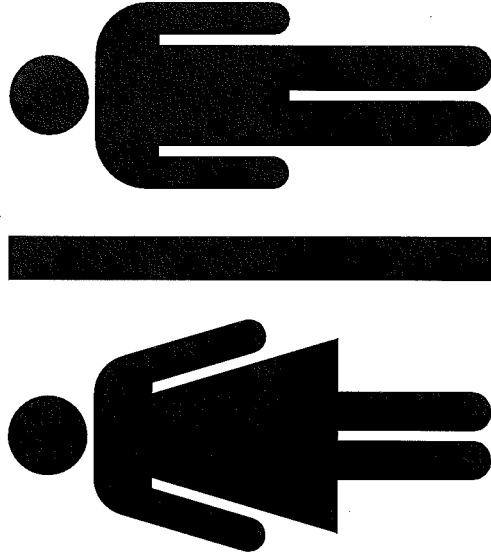
Sign Backing is an Environmentally Preferred Product (EPP Downstream Certified)

Inserts and slide in units are not to be magnetically attached to frame, but rather double side taped.



Provide 3" room number at top - similar to sign code '1'

9"



RESTROOM



Parallel Bar
Satin Silver Frame

White Sub-Surface
Graphic
Dk. Brown BG

1" x 1/32" ADA
White Tactile Numerals
& Grade II Braille
Dk. Brown BG

IN-09.03

Sign Code

3

Room & Area ID: ADA Compliant Restroom

Sign Frame contains 75% recycled content

Sign Backing is an Environmentally Preferred Product (EPP Downstream Certified)

Size

229 mm H x 229 mm W
(9" H x 9" W)

Description & Use

To identify stairwell doors that are fire exits.

Message Configuration

(Refer to layout drawing for lettering sizes and dimensions)

Sign Components

Etched sign face laminated to acrylic backing plaque.

Graphic Process

Tactile text with accompanying Braille.

Colors

Text: Refer to Color Chart.

Background: Refer to Color Chart.

Typography

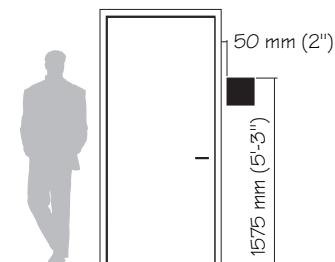
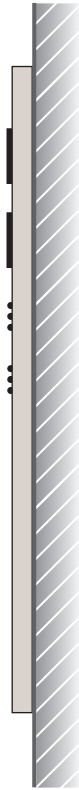
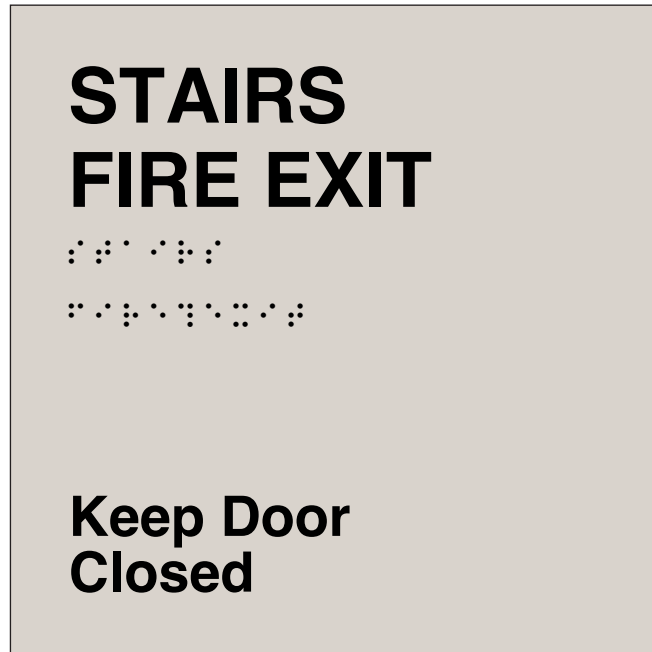
Helvetica Medium
Grade 2 Braille

Mounting

Double sided foam tape or silastic adhesive.

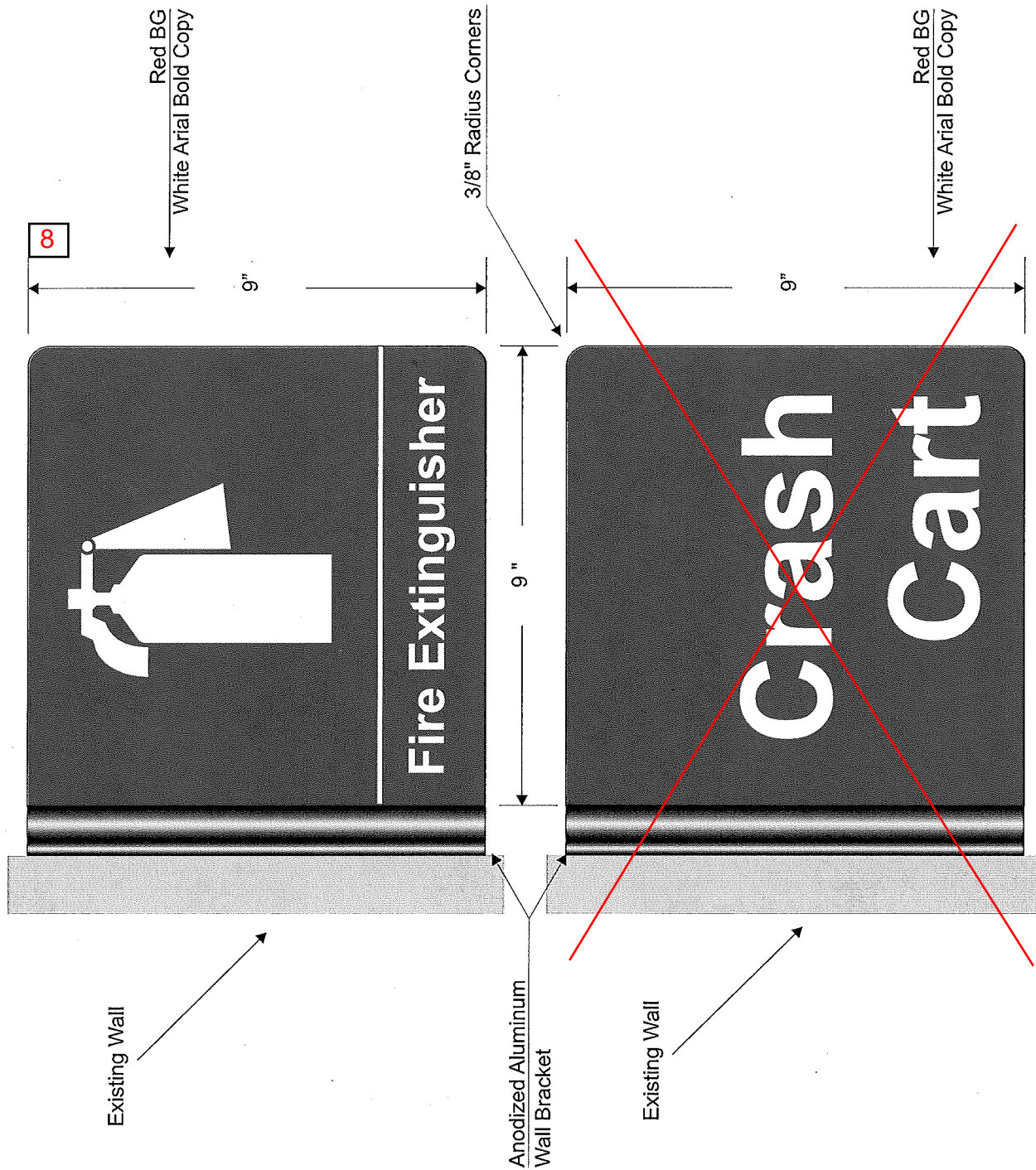
Installation

Knob side of door, 1575 mm (63") to top of sign and 50 mm (2") over from door frame.



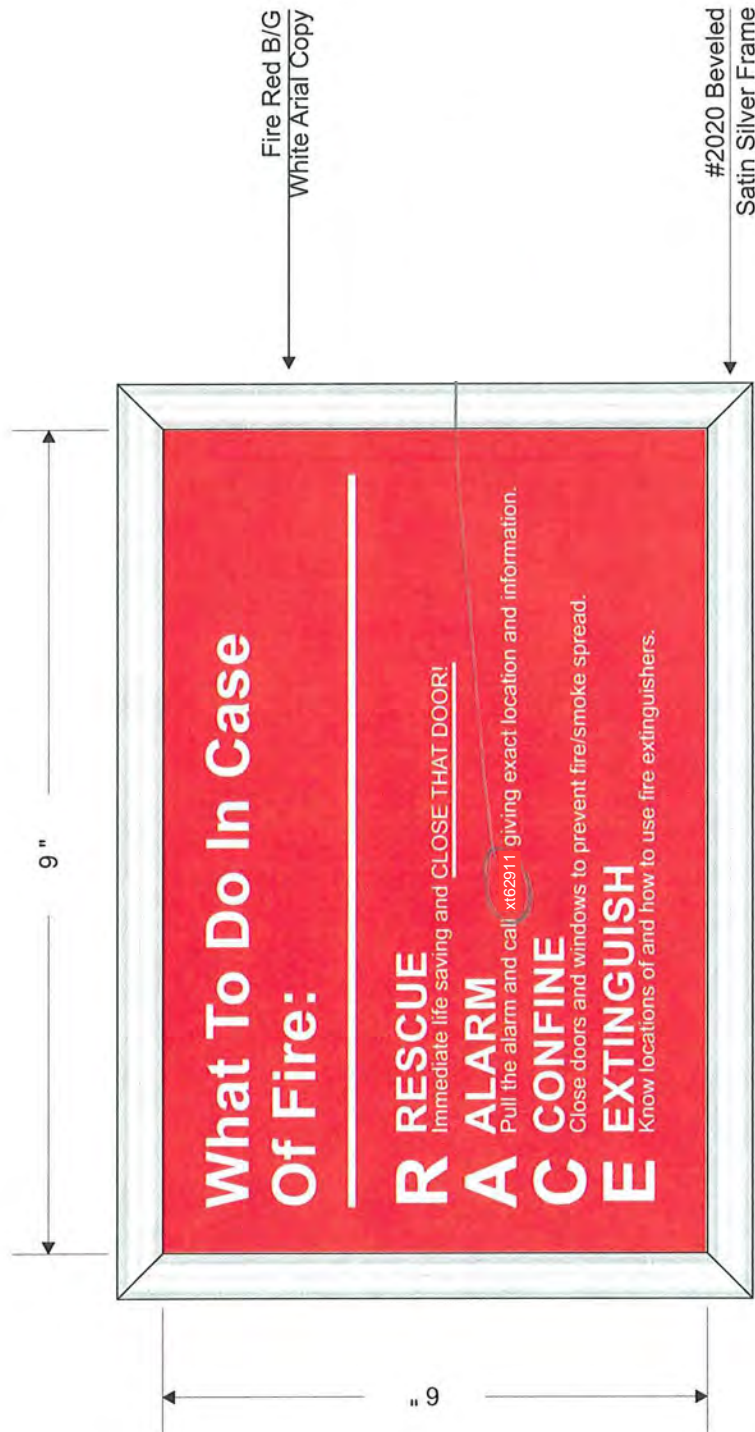
IN-01.31

Sign Code
5



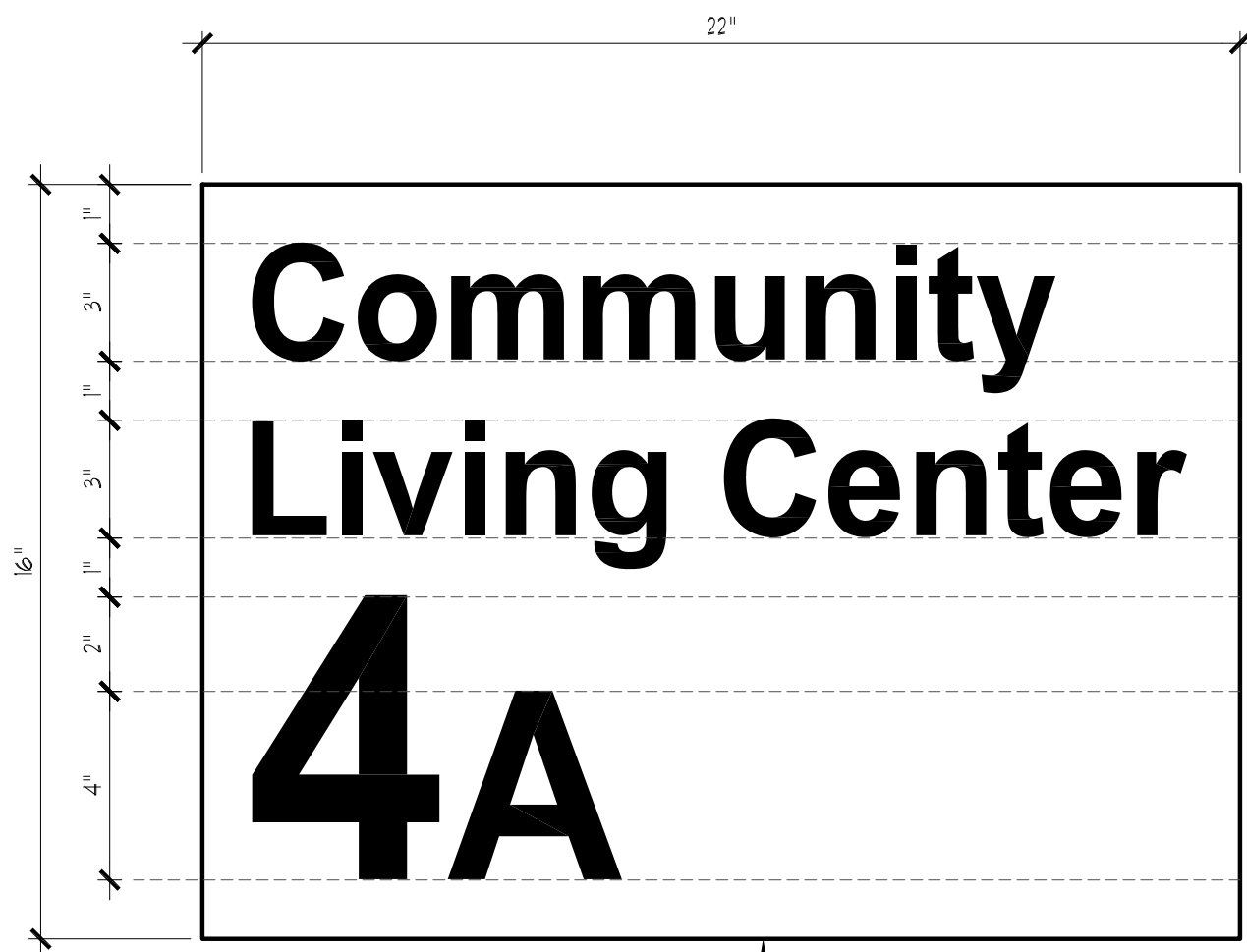
Life Safety & Regulatory: Right Angle

Sign Frame contains 75% recycled content
Sign Backing is an Environmentally Preferred Product (EPP Downstream Certified)



Sign Code

7



White Tactile Text / Numerals
PMS 404u BG

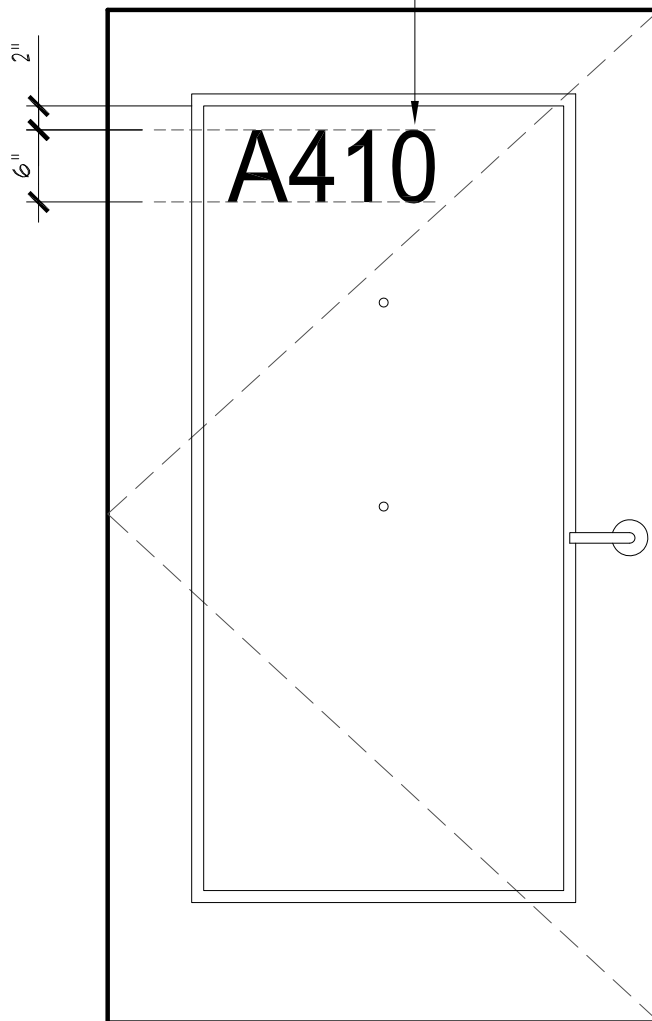
Note:

Confirm final sign configuration and text with the COR.

Sign Code

8

Surface applied vinyl room numbers,
"Type Q" as manufactured by Takeform
(www.takeform.net) or approved equal.
Color to be selected by COR from the full
range of manufacturer's colors.



Typical door to resident room