

XAVIER UNIVERSITY

Campus Signage Implementation - Phase 1A

Volume 2 – Sign Standards Manual (Includes Technical Specifications)

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SECTION 10400 - EXTERIOR SIGNS

PART 1 - GENERAL

The pages that follow contain the Technical Specifications for the Xavier University Exterior Sign Standards. These Specifications should be used together with the Special Bid Provisions and the Sign Type Drawings to form a full description of the work required to fabricate and install the signs.

1.1 REFERENCE STANDARDS

- A. The work shall conform to the codes and standards of the following agencies as further cited herein:
1. AA: Aluminum Association, 818 Connecticut Avenue, NW, Washington, D.C. 20006.
 2. ADAAG: Americans with Disabilities Act Accessibility Guidelines
 3. ANSI: American National Standards Institute
 4. ASTM: American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103 as published in "Compilation of ASTM Standards in Building Codes"
 5. AWI: Architectural Woodworking Institute "Quality Standards"
 6. NEC: National Electric Code - Latest Edition
 7. PEI: Porcelain Enamel Institute, Inc., 1900 L Street NW, Washington, DC, 20036
 8. UL: Underwriters Laboratories Inc. Publication Stock, 333 Pfingsten Road, Northbrook, IL 60062.

1.2 QUALITY ASSURANCE

- A. The approved manufacturer shall have at least five years of experience in the type of work required; shall have a reputation for doing satisfactory work on time; and shall have recently successfully completed similar work.
- B. The Drawings in this Bid Package are for design intent only. The Contractor is responsible for the proper engineering of all items. The internal structure, dimensions and specifications for all items shall be indicated in the Contractor's shop drawings. Sign Contractor to engineer signs to proper level to withstand abuses of their environment.
- C. The Contractor shall inform the Architect and Owner of any product and/or material deficiencies or incompatibilities that will prevent the signs from withstanding the conditions and abuses of their environment.

1.3 DELIVERY, STORAGE AND HANDLING

- A. Deliver and store work under this Section in a manner to prevent cracking or stress of components and to prevent mechanical damage or damage by the elements.
- B. Deliver work under this Section to Site in ample time to avoid delay in job progress and at such times as to permit proper coordination of the various parts.

1.4 GUARANTEES

- A. Manufacturers shall provide their standard guarantees for work under this Section. However, such guarantees shall be in addition to and not in lieu of all other liabilities which manufacturers and Contractors may have by law or by other provisions of the Contract Documents.
- B. Unless otherwise noted in these specifications the Contractor shall guarantee all work under this Contract for a period of not less than one year, following completion and approval of the installation, during which time the Contractor shall maintain and service all signs provided under this Contract.
- C. Contractor shall provide to the Owner, in writing, specific product warranties for all paint finishes, adhesive vinyl graphics and all exterior digital print graphics including banners and campus maps, as indicated in the Drawings and Specifications below.

1.5 PATTERNS & MOLDS

- A. Patterns and molds for all cast elements must be turned over to the Owner at the conclusion of the project. Patterns and molds must be cleaned and repaired if necessary to allow the Owner to produce additional castings for new or replacement sheilds and finials.

PART 2 - PRODUCTS**2.1 MATERIALS****A. Aluminum**

1. Aluminum plate for all signs shall conform to ASTM-B209, Alloy 6061-T6 to thickness indicated on drawings.
2. Aluminum extrusions for all signs shall conform to ASTM-B221 Alloy 6061-T6 to dimensions and thickness indicated on drawings.
3. Aluminum shall be of best commercial quality and their various forms shall be straight and true. There shall be no scratches, scars, creases or buckles.
4. Cut aluminum letters shall be water jet cut from sheets of thickness as indicated on the drawings. Letters shall be cut with

sharp corners, flat faces, and accurate profiles. Sand sides to smooth finish.

5. Fabricated aluminum letterforms shall be of solid aluminum sheeting. Letterforms shall be rigid, self-supporting and structurally sound. Use brackets and supports as required. All exposed welds shall be filed smooth with all tool marks removed by fine abrasive grain air blasting or other approved method.
6. Cast aluminum shall be solid aluminum, no scrap permitted. Cast aluminum shall be free of all porosity, with sharp corners, flat and accurate profiles. All exposed welds shall be filed smooth with all tool marks removed by fine abrasive grain air blasting or other approved method. All burrs and rough spots shall be removed and faces shall be polished to a uniform high luster finish. Aluminum shall be mechanically sanded and degreased prior to receiving finish. All coatings shall be true to form, with no irregularities.
7. Patterns and molds for all cast elements must be turned over to the Owner at the conclusion of the project. Patterns and molds must be cleaned and repaired if necessary to allow the Owner to produce additional castings for new or replacement sheilds and finials.
8. Where aluminum is shop fabricated, all joints, returns and the like shall be properly joined together and welded edges shall be ground smooth to proper aluminum finish.
9. Aluminum in contact with dissimilar metals shall have bituminous or other protective coating to prevent electrolytic action.

B. Steel

1. Structural steel materials, details and workmanship shall conform to the requirements of the latest edition of the A.I.S.C. Specifications for the Design, Fabrication, and Erection of Structural Steel Buildings.
2. All steel shall be galvanized in accordance with ASTM-A123.

C. Bronze/Brass/Copper

1. Bronze shall be solid bronze made of pre-alloyed ingots, free of all porosity with sharp corners and flat accurate profiles. All burrs and rough spots shall be removed and faces shall be polished to a uniform high lustre. Bronze shall be mechanically sanded and degreased prior to receiving finish. All coatings shall be true to form with no irregularities.
2. Cast bronze shall be solid bronze, cast of pre-alloyed ingots [no scrap metal permitted]. Alloy shall match Designer's sample. Bronze shall be cast in sizes and thicknesses as shown on drawings. Sand sides to a smooth finish.

3. Plate bronze plaques shall be saw-cut from plate stock, in alloy to match Designer's sample, of thickness and sizes as indicated on drawings. Sign parts shall be cut with sharp corners, flat faces and accurate profiles; belt polish faces to uniform finish as noted in drawings. Sand sides to a smooth finish.
4. Bronze letterforms / artwork shall be water jet cut from a sheet as indicated on drawings. Letters shall be saw cut with sharp corners, flat faces and accurate profiles. Sand sides to a smooth finish.
5. Fabricated bronze letterforms shall be solid bronze sheeting, Alloy to match Designers sample. Letterforms shall be rigid, self-supporting and structurally sound. Use brackets and supports as appropriate. All exposed welds shall be filed smooth with all tool marks removed by fine abrasive grain or air blasting or other approved method.
6. Finishes to be as follows:
Oxidized - Medium

All bronze shall have clear acrylic lacquer finish, applied evenly, free from runs and imperfections.

D. Welding

1. Welding materials and practices shall conform to the requirements of the latest edition of American Welding Society code for steel and aluminum. Shop welders shall be certified by AWS. Welding rods shall be of a composition compatible to the base metal being welded. Welding rods for structural steel shall be an E70 category. Welding of aluminum shall be the MIG process, using ER-5356 wire.
2. Fabrication shall be accomplished using the highest standards of workmanship. All pieces shall be saw cut and carefully fit together. All visible connections shall be full welded and ground flush and smooth. All visible surfaces and connections shall be without visible grounding marks, surface differentiation or variation.

E. Hardware

1. Anchor bolts shall conform to ASTM-A576 with a minimum yield strength of 50,000 PSI. Hexagonal nuts and washers shall be furnished with each bolt.
2. High strength bolts (other than anchor bolts), nuts and washers shall conform to ASTM-A325.
3. Where mechanical fasteners and hardware are required, they shall be of adequate thickness, length and construction to properly secure the sign unit. Any visible portion of any mounting device shall be finished to match adjacent sign surface, unless otherwise specified.

4. Metal fasteners and hardware in contact with dissimilar metals shall have a protective coating or neoprene shields to prevent electrolytic action.
5. Lock cylinders shall be interchangeable core pin tumblers with nickel silver keys; all locks to be keyed alike. Locks to be flush with adjacent cabinetry as indicated in the Drawings. Painted finish to match color and finish of adjacent cabinetry. Provide five sets of keys.

F. Glass

1. Tempered glass shall be clear float glass conforming to Federal Specification DD-G-001403, Kind FT, Condition A, Type 1, Class as required, Quality 3. All tempered glass shall be stress tested in the factory prior to installation. Tempering shall be by Temp Glass Co., Perrysburg, Ohio, or approved equal.

G. Acrylic

1. Acrylic shall be cast acrylic sheet that is optically clear, has high impact resistance, weather resistance, formability and machineability.
2. Acrylic plastic shall be Plexiglas G with smooth finish, Rohm and Haas, Philadelphia, PA, or approved equal.
3. Saw-cut acrylic letters shall be cut from acrylic sheet, thickness as indicated on Drawings. Letters shall be saw-cut with sharp corners, flat faces and accurate profiles. Polish sides to a smooth finish.

H. Polycarbonate

1. Polycarbonate sheet shall be formed polycarbonate clear or with integral color.
2. Polycarbonate over laminate shall be .015 Lexan Film 8A35-112 with velvet finish first surface, polished finish second surface, GE Plastics.

I. Vinyl

1. Vinyl for computer-cut letters shall be Scotchcal as manufactured by 3M Co., St. Paul, MN, or approved equal.
2. Vinyl shall have a matte finish with a .003 to .006 film thickness and shall match colors as shown on Drawings.
3. Provide written warranties for all die-cut vinyl products.

J. Reflective Sheeting

1. Reflective Sheeting shall conform to Federal Highway Administration Standard FP-79 Table IV [engineer grade] as manufactured by 3M Co., St. Paul, MN, or approved equal.
2. Sheeting shall have pressure sensitive adhesive backing and shall be applied without necessity of additional adhesive coats on either the backing or application surface. Surface shall be degreased and etched according to manufacturer's specification prior to application.
3. Provide written warranties for all die-cut vinyl products.

K. Large Format Digital Graphics

1. Imaging/Prepress
 - a. The Contractor will be provided with final 'camera ready' art work for all map and banner graphics by the Owner. Colors will be assigned Pantone color numbers and images will be high-resolution photographs.
 - b. All editing of colors and images (i.e. contrast, color balance, etc...) must be approved by the Designer and the Owner. The Contractor shall make all adjustments and printer calibrations necessary to achieve accurate spot color matches and correct color balance and saturation values for photographic images.
 - c. All artwork to be returned within two months of fabrication/ installation completion. All artwork must be returned via tracked overnight mail.
2. Output
 - a. Campus Maps
 - 1) Graphics shall be produced using a continuous ink-jet printing machine suitable for the printing of large-format, full-color images and text directly from a digital file, one step directly to substrate. The print resolution must be 720-dpi minimum. The ink-jet output device shall have a minimum width capacity of 63 inches with the capability of printing on the following substrates: vinyl (frontlit, backlit, adhesive), net (thin and thick), Tyvek, panaflex, silk, canvas, vinyl coated nylon (Vylon), and nylon.
 - 2) Inks and solvents shall be durable for outdoor use and provide a minimum of 2 years of colorfastness without the use of protective coatings or laminates. Colors shall be derived from four-process color CMYK pigments with a 6 million color combination range. Black shall be process black only.

b. Vinyl Banners

1) Graphics shall be produced using 3M Scotchprint 2000 imaging system directly from a digital file or approved equal. Image shall be output onto 8620 white, 2-mil Controltac pressure sensitive film for banners and 8640 white 4-mil Controltac pressure sensitive film for rigid surface mounting. Minimum output resolution shall be 400 dpi. Images on Controltac shall be sealed with 8910 or 8911 over laminating film.

2) For banners, the Scotchprint image will be applied to 3M Panaflex substrate. 2-sided banners will have a blackout layer between the banner faces to insure opacity.

3) Inks and solvents shall be durable for outdoor use and provide a minimum of 1.5 years colorfastness without the use of protective coatings or laminates.

4) Nylon Flags and Banners

5) Graphics shall be produced using a four-color process electrostatic plotter at 300dpi, output directly from a digital file, onto dielectric transfer print paper. Dielectric transfer print paper shall be heat transferred to a 14oz. indoor/outdoor, opaque, smooth two-sided receiver that is vinyl reinforced with 100% polyester blackout. The heat transferred electrostatic transfer print and vinyl banner receiver media are water separated for carrier sheet removal. The unfinished separated banner is then overlaminated with 1.5 mil matte over laminating film.

6) Inks and solvents shall be durable for outdoor use and provide a minimum of 2 years colorfastness without the use of protective coatings or laminates.

c. Photographic Durst Lambda Print

1) Graphics shall be full color continuous tone produced directly from a digital file using a Durst Lambda photographic printer onto archival Ilford-Cibachrome paper with a minimum colorfastness rating of 2 years without protective coatings.

2) Printer shall have a minimum width capacity of 50" with a minimum resolution of 720-dpi. Prints shall be laminated with a .015 Lexan film with a velvet finish on the first surface and polished finish on the second surface.

3. The Contractor shall provide the Owner with a warranty in writing guaranteeing a minimum of 2 years color fastness and 2 years product durability. There shall be no delamination, buckling, warping or deterioration during that time frame.

L. Banner Poles

1. Banner poles to be as manufactured by Pole-Tech, Inc., East Setauket, NY, 800-633-6733, or approved equal.
2. Banner bracket arms to be manufactured by Kalamazoo Banner Works, Kalamazoo, MI, 800-525-6424, or approved equal.
3. All load requirements to be verified by manufacturer. Requirements to include, but not be exclusive to: design load, snow load, wind load and uplift load, as required.
4. The Contractor shall provide documentation that pole assembly and bracket arms assembly meets all building codes, and shall provide complete description of pole system in terms of materials, dimension, i.e. pole diameter and taper, wall thickness and footing system.

M. Sign Mounting Brackets

1. Brackets shall be Sign Fix Universal Cantilever brackets, by Sign Fix Inc., Pine Bush, NY, fabricated from stainless steel Type 304 with extruded sign support "T" section. Aluminum Alloy 6061-T6.
2. Stainless steel strappings shall be "Band It" as distributed by Hinds & Coon Co., Boston, MA, or approved equal. Strapping shall be painted to match light pole.

N. Adhesives

1. Where adhesive mounting techniques are specified, the Contractor shall use adhesives specifically designed for compatibility with the base materials and the desired adhesive strength. All adhesives shall be tested on site. All adhesives shall be indicated in the shop drawings.
2. Surfaces on which sign is to be installed using adhesive shall be free of grease, oil, or any other residue.
3. Foam tape shall be 1/32" thick, high density open cell double coated polyurethane foam tape, Scotch Mount #4016 by 3M Co., St. Paul, MN, or approved equal.
4. VHB tape shall be double coated acrylic foam tape #4920 by 3M Co., St. Paul, MN, or approved equal.
5. Provide necessary amounts of clear silicone sealant or grout for use in pin mounting.

O. Electrical

1. All electrical items - light fixtures, lamps, wiring and appurtenances necessary for the signs shown in the drawings shall be provided and installed as part of this Contract. All specific electrical

equipment required by product codes or building codes, such as item grounds, disconnect switches, insulation etc. shall be shown and noted in the shop drawings.

2. The Contractor shall insure that the graphic area of each illuminated sign is illuminated evenly, with no hot spots, light leaks or drop-off of light intensity at the borders of the graphic area. The Contractor shall insure that there are no light leaks on the sign face or around the perimeter of the sign frame.
3. All electrical items shall bear an Underwriter's label.
4. All silk screening processes shall be approved by the Designer prior to fabrication.

P. Masking and Spraying

1. Graphic mask shall be assembled on sign panel or wall in a professional manner prior to spraying. No hand-cut masks shall be used.
2. Masking and spraying shall be done carefully so as not to leave bleeding or rough edges at painted surfaces. All edges and corners of the finished graphics shall be true and clean. Graphics with rounded positive or negative corners will not be accepted.
3. Spray guns used for artwork shall be airless type as approved. All graphic work shall receive at least two coats of paint.

Q. Sandblasting

1. All sandblasting and tinting to be executed by an artisan with experience showing the highest standards. Letterforms shall be sharp and clean with no imperfections. Protect adjoining and adjacent surfaces from damage with Homosote or other hard board. Clean up shall occur on same day as sandblasting.
2. Glass
 - a. Sandblasting on glass shall be executed on tempered glass using a fine silver grit. Graphics on pre-cut friscut shall be sharp and clean and shall be bonded securely to glass prior to blasting. Stencil shall be removed with standard solvent and cleaned with water. Sandblasted area shall be clean and free of imperfections.
 - b. Following blasting the graphics shall be sprayed with Transparent Gray Lithichrome Shadow cut 50% with lacquer thinner, Cleveland Lithochrome Co., Fort Scott, KS, or equal.
3. Stone
 - a. Sandblasting on stone shall be executed with an abrasive that contains less than 1% silica at 80 - 120 lb. pressure. Graphics on pre-cut friscut shall be sharp and clean and shall be

bonded securely to stone prior to blasting. Following blasting any "pockets or notches" due to irregularities or aggregates in material shall be carefully filled and smoothed over prior to removal of mask. Stencil shall be removed with standard solvent and cleaned with water. Sandblasted area shall be clean and free of imperfections.

- b. Following blasting the graphics shall be sprayed with Transparent Gray Lithichrome Shadow to match Designer's Sample, Cleveland Lithochrome Co., Fort Scott, KS, or equal.

R. Chiseled Stone

1. Letters shall be hand cut or chiseled with pneumatic chisel into granite in typestyle as specified on Drawings with "vee" cut section.
2. All chiseling and tinting to be executed by an artisan with experience showing the highest standards. Letterforms shall be sharp and clean with no imperfections.
3. Letters to be tinted with Transparent Grey Lithichrome Shadow by Cleveland Lithochrome, Inc., Fort Scott, Kansas. Tint to be selected by Architect. Lithichrome to match Designer's Sample, and applied with airbrush.

S. Typeface

1. All copy shall be in the typefaces shown in the graphic standards to match the letterforms shown in the Detail Drawings.
2. All types of graphics - engraved, photo-polymer, saw-cut, vinyl, silk screened, etc. shall be made with the Adobe fonts by Adobe Inc., Mountainview, CA, specified using a PC or Mac link to the final graphic output device.

T. Typesetting

1. All typeset messages shall be prepared on a Macintosh or IBM PC. Letterforms shall match the samples shown in the drawings.
2. Standard letter spacing and standard word spacing shall be approved by Designer for all fonts before final manufacture.
3. Typical type and symbol layout for each sign type is indicated on the Design Drawings. All type shall be placed according to the dimensions shown on the drawings. Should any design conflict occur in the fabrication of the signs; i.e., type not fitting, it shall be brought to the attention of the Designer.

U. Windmaster Signs

1. Moveable freestanding signs shall be the Windmaster sign by Marketing Displays International, Farmington Hills, MI.

2.2 FINISHES**A. Paints**

1. Paints for metal signs shall be finished with acrylic polyurethane semi-gloss enamel as manufactured by Matthews Paint Co., Wheeling, Ill., or approved equal.
2. All surfaces shall be cleaned, primed and pre-treated according to manufacturer's specifications and noted in Shop Drawings as part of the finished surface work.

B. CONCRETE FOOTINGS

1. Site Preparation and Restoration
 - a. Within existing concrete sidewalks the Contractor shall demolish an area of concrete sidewalk sufficient to accomplish required construction for concrete footings. Disturbance to existing conditions shall be held to the absolute minimum necessary to accomplish the work. Areas disturbed shall be restored and finished flush with sidewalk
2. Materials and Construction
 - a. Air-entrained Class D cement concrete masonry shall comply with Section 901 of the Commonwealth of Massachusetts, Department of Public Works, "Standard Specifications for Highways and Bridges," 1973 and current amendments.
 - b. Concrete shall have a minimum compressive strength of 3,000 psi at 28 days.
 - c. Installation of Class D cement concrete including formwork, finishing, protection and curing of concrete shall conform to requirements of Section 901 of the "Standard Specifications".
 - d. Reinforcing bars shall be deformed bars rolled from new billet steel conforming to ASTM-A615, Grade 60. Include tie wire and accessories as required.
 - e. Grouting called for on the drawings shall be performed with Five Star Grout as manufactured by U.S. Grout Corporation or approved equal. The grout must show no shrinkage under ASTM C-827 and CRD-C-621, and must contain no expansive cements or metallic powders such as aluminum or iron filings. Preparation of surfaces, mixing, placing and curing of grout shall be in accordance with manufacturer's recommendations.

PART 3 - EXECUTION**3.1 PREPARATION AND INSPECTION**

- A. All surfaces to receive work shall be prepared and finished by the respective trades. The Sign Contractor shall notify the Designer if surfaces or openings are not satisfactory to receive this work. Commencement of work by Sign Contractor shall constitute acceptance of conditions and surfaces. Subsequent work not accepted by the Designer shall be replaced at no additional cost to the Owner.
- B. Prior to installation of all sign types each type shall be verified in field as to meet field conditions. Sign Contractor shall notify Architect if corresponding room name and number signs do not meet field conditions.
- C. All work shall be performed in accordance with a written schedule agreed on by Owner, Contractor, Designer and Sign Installer. In any case where work cannot be completed on schedule, the Contractor shall supply temporary signs at no additional expense to the Owner.
- D. All work shall be subject to inspection and approval by the Designer in the shop or field at any reasonable time. Provide at least 72 hours notice for Designer's inspection of complete fabricated signs before delivery.

3.2 WORKMANSHIP, PERFORMANCE

- A. All work shall present clean, straight sharply defined lines, free from defects impairing strength or durability, and shall be performed in a shop where the grade of work is of a quality acceptable to the Designer. All work shall be installed plumb, straight, square, level and in proper elevation plane, location, and alignment with other work. All work shall be designed for adjustment to field variations, fitted with proper joints and intersections, and adequately anchored in place. All workmanship and finishes shall be of best quality in every particular, strictly in accordance with best practice. All work shall be complete in every detail. Finish work shall be subject to approval by the Designer.

3.3 INSTALLATION / APPLICATION / ERECTION

- A. Members shall be shop-fabricated, and where practical, all work shall be delivered to the site completely assembled. All joints of such fabricated work shall be completely smooth without apparent marks showing throughout the finish. All work "broken down" shall be erected so that all parts fit accurately with hairline joints.
- B. Unless otherwise shown on the Drawings, all members shall be continuous lengths without seams. Work shall be formed to profiles indicated on the Drawings.

- C. Where material lengths require joints, all joints shall be flush. Similar materials at joints shall be either bonded or welded together, or shall be lap jointed to provide for expansion. All joints to be lightproof.
- D. Protect adjacent or adjoining surfaces and work from damage during installation in this section.
- E. Work shall be designed and anchored so that work will neither be distorted nor the fasteners overstressed from expansion and contraction of metal or other materials as applicable.

3.4 CLEANING AND PROTECTION

- A. At completion, all work shall be checked over, re-adjusted, and left in first class condition. Signs shall be cleaned with non-abrasive cleaning agents without damage to sign surfaces.
- B. Manufacturer shall provide Owner with information on cleaning and maintenance recommendations for all signs.
- C. Names, stamps and decals of manufacturers, installers or maintainers of signs shall not be visible in the finish work.

3.5 PERMITS

- A. Sign Contractor shall obtain all permits required by Local Authorities for installation of signs.

3.6 AS-BUILT DRAWINGS

- A. Sign Contractor to provide as-built drawings for building engineer/management use.

END OF SECTION 10400

Sign Type	Description	Dwg. #s
–	List of Drawings	0.1
–	Graphic Standards - Colors	0.2
–	Graphic Standards - Typography	0.3 - 0.4
–	Graphic Standards - Symbols	0.5 - 0.6
–	Graphic Standards - Sign Setback Guidelines	0.7
100A	Hoff Pillars	100A.1
101A	Trailblazer, Post and Panel	101A.1 - 101A.3
101B	Trailblazer, Mounted to Existing Pole	101B.1 - 101B.3
110	Vehicular Directional, Double Post	110.1 - 110.4
111	Vehicular Directional, Single Post	111.1 - 111.4
112	Vehicular Directional, Temporary Events	112.1 - 112.2
115	Parking ID, Large, Single Post	115.1 - 115.4
116	Parking ID, Small, Single Post	116.1 - 116.3
117	Parking Lot Number Panel	117.1 - 117.3
120	Campus Information Kiosk	120.1 - 120.4
121	Campus Map Display	121.1 - 121.4
123	Pedestrian Directional, Double Post	123.1 - 123.4
124	Pedestrian Directional, Single Post	124.1 - 124.3
130	Freestanding Building ID, Large, Double Post	130.1 - 130.5
131	Freestanding Building ID, Large, Single Post	131.1 - 131.5
132	Freestanding Building ID, Small, Double Post	132.1 - 132.6
133A	Building ID Plaque, Large	133A.1 - 133A.4
135A	Building ID Letters, Large	135A.1 - 136A.3
135B	Building ID Letters, Medium	135B.1 - 135B.5
135C	Building ID Letters, Small	135C.1 - 135C.3
136	Refurbish Letters	136.1
137	Building ID Letters on Panel	137.1 - 137.3
138	Building Entrance Graphics	138.1 - 138.4
140	Regulatory	140.1 - 140.3
141	Parking Regulatory	141.1 - 141.3
142	Traffic Control	142.1 - 142.4
143	Street Name Sign	143.1 - 143.4
144A	Acessible Path Sign, Post & Panel	144A.1 - 144A.3
144B	Acessible Path Sign, Wall Mounted	144B.1 - 144B.2
150	Vehicular Light Pole Banner	150.1
151	Pedestrian Light Pole Banner	151.1
152	Street Pole Banner	152.1 - 152.2
153	Flag Pole Banner, Halyard	153.1
154	Flag Pole Banner, Fixed Bracket	154.1 - 154.2
155A	Building Mounted Banner	155A.1 - 155A.3
155B	Building Mounted Banner, Vertical Strip	155B.1 - 155B.3

Color Name	Specification
Dark Blue	to match Pantone 648c
Dark Gray	to match RAL 7022, Umbragrau
Light Gray	to match RAL 7044, Seidengrau
Matte White	3M Scotchcal, 220-20 Matte White
Medium Blue	to match Pantone 647c
Parking Blue	3M Scotchlite 280-76, Light Blue
Reflective White	3M Scotchlite 280-10, White
Red	3M Scotchlite 280-82, Ruby Red
Silver	Mattews Paint Company 30136, Brushed Aluminum
White	Mattews Paint Company 11477, Natural White
Note:	All paint finishes for exterior signage are semi-gloss unless otherwise noted in the drawings

Bembo Semibold

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
a b c d e f g h i j k l m n o p q r s t u v w x y z
0 1 2 3 4 5 6 7 8 9

Standard Letterspacing - All Caps
Adobe Illustrator Optical Kerning, Track 50

Standard Letterspacing - Upper and Lower Case
Adobe Illustrator Optical Kerning, Track 25

ALUMNI CENTER

Main Campus

Bembo Regular

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
a b c d e f g h i j k l m n o p q r s t u v w x y z
0 1 2 3 4 5 6 7 8 9

Standard Letterspacing - All Caps
Adobe Illustrator Optical Kerning, Track 100

MICHAEL J. CONATON

Frutiger Bold

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
a b c d e f g h i j k l m n o p q r s t u v w x y z
0 1 2 3 4 5 6 7 8 9

Standard Letterspacing - All Caps
Adobe Illustrator Optical Kerning, Track 75

EVENT ONLY

Standard Letterspacing - Upper and Lower Case
Adobe Illustrator Optical Kerning, Track 25

Sycamore

Note:
Logotype shown has adjustments to
improve legibility for signage applications—
this logotype for use on signage only.

Logotype - white or light background



Logotype - dark background

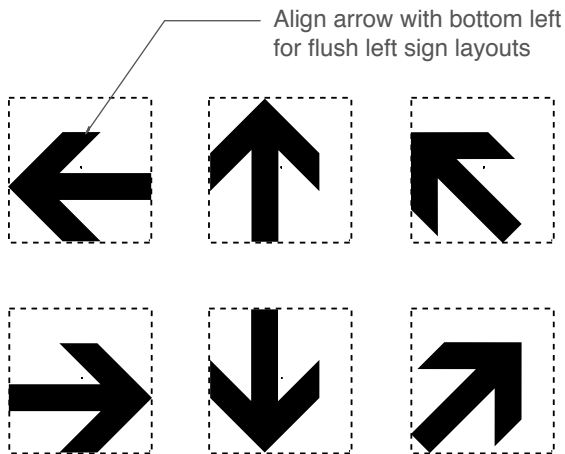


Decorative Pattern

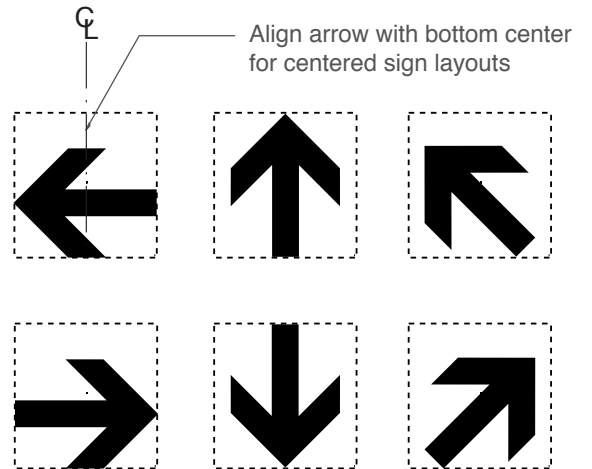
Note: for reference only - not for reproduction.
Artwork to be provided by Designer on disk.



Arrow Orientation – Flush Left Sign Layouts



Arrow Orientation – Centered Sign Layouts



Parking - Sign Panels



Black outline does not print (typ.)

No Parking - All Conditions



No Smoking - All Conditions



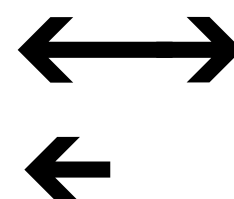
Accessible - Sign Panels



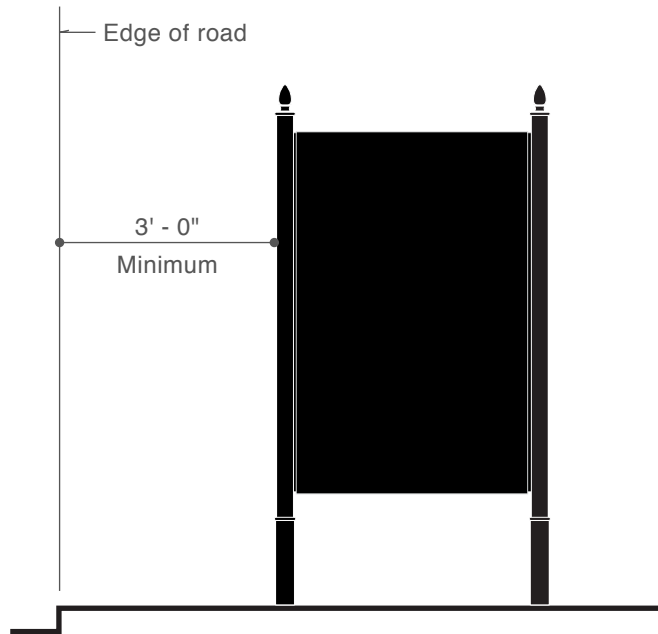
Accessible - Entrance Doors



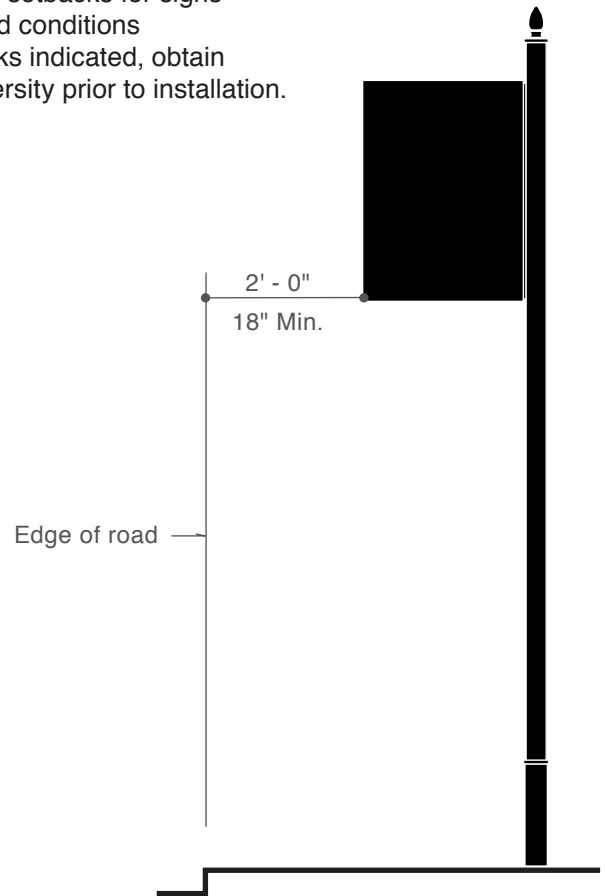
Parking Zone Arrow



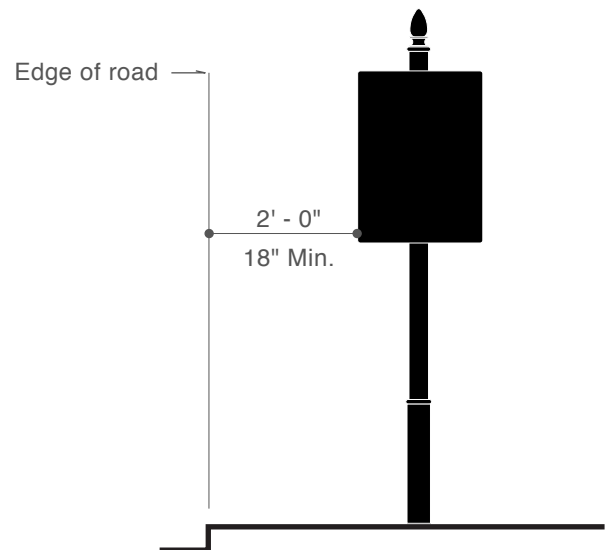
Shown below are standard setbacks for signs along campus roads. If field conditions do not allow for the setbacks indicated, obtain approval from Xavier University prior to installation.



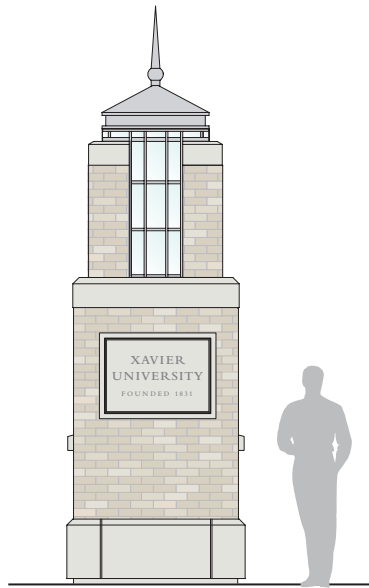
Double Posted Sign



Single Post Sign (Tavern Style)



Single Post Sign (Centered Post)



Location Elevation

Scale: 3/16" = 1' - 0"

Sign Type 101A - Hoff Pillars

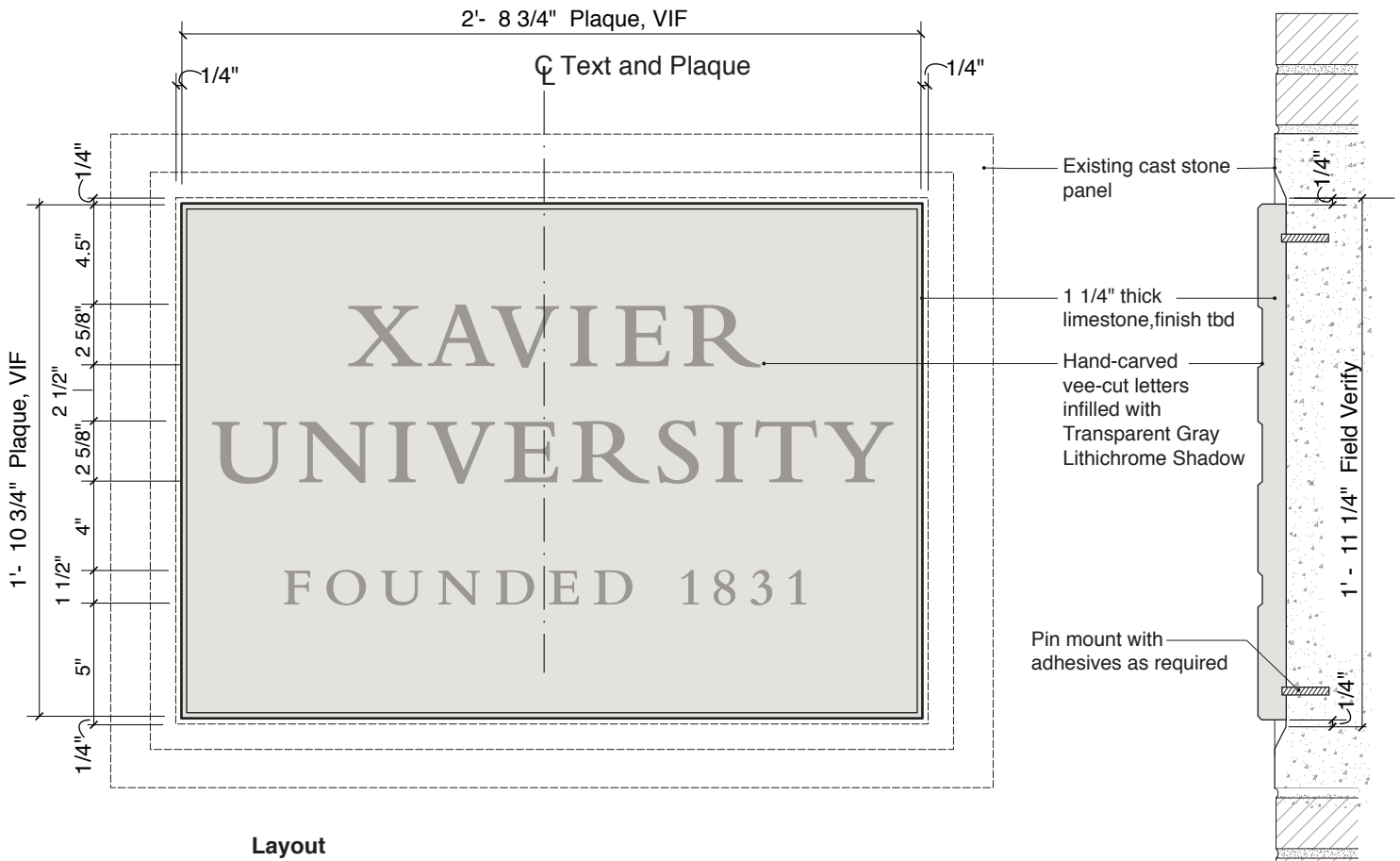
Typestyle: Bembo Semibold

Color: Transparent Gray Lithichrome Shadow

Description: Lettering hand-carved into limestone, infilled with lithochrome, pin-mounted to existing pillar with adhesives as required.



Reference Photo (Pillar Under Construction)



Layout

Scale: 1 1/2" = 1' - 0"

Section

Scale: 1 1/2" = 1' - 0"

Sign Type 105A - Trailblazer, Post and Panel

Artwork: Logotype to be provided.

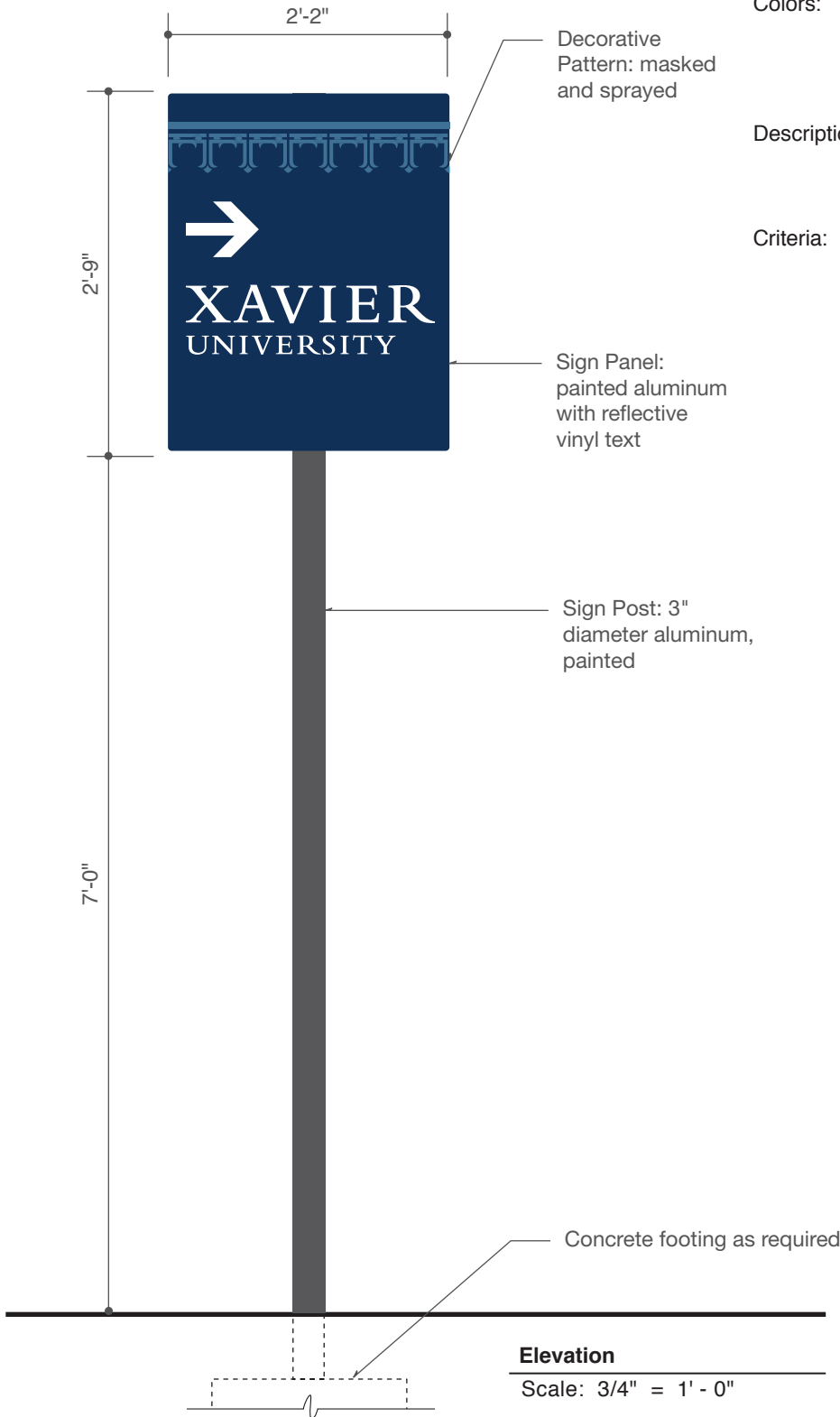
Colors: Sign Post - Dark Gray
Sign Panel - Dark Blue
Text & Arrow - Reflective White
Decorative Pattern - Medium blue

Description: Single sided aluminum sign panel and post, painted with masked and sprayed decorative pattern and reflective vinyl text.

Criteria: This sign is used for providing directions to the University and the Cintas Center along roadways leading to the campus from major highways and where a light pole or utility pole isn't present.

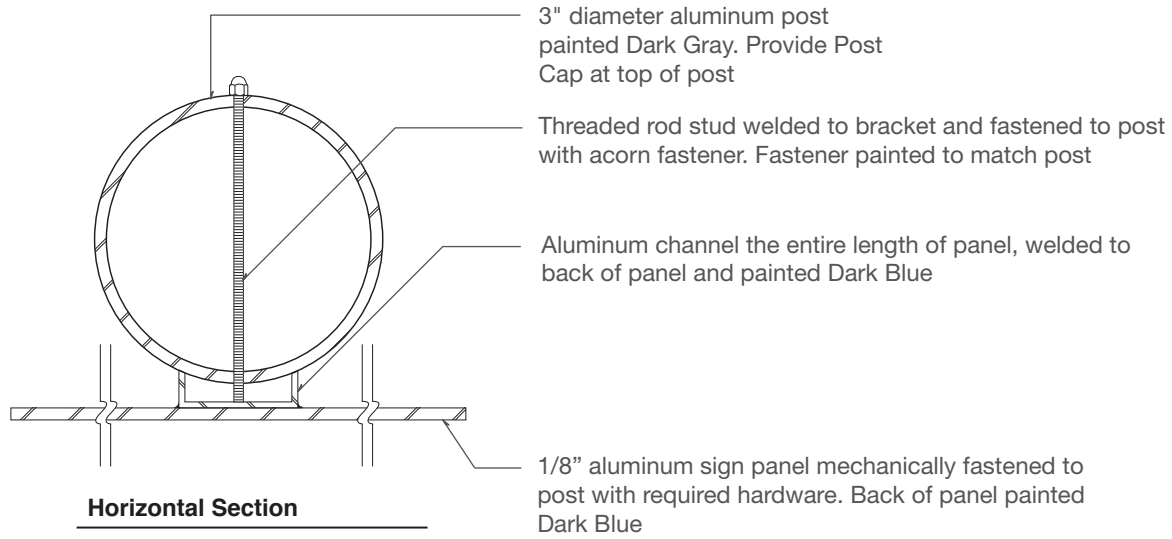
Signs should be located prior to an intersection, a distance as determined in the field.

The Cintas Center message, when provided, should always be accompanied with the "Xavier University" message.



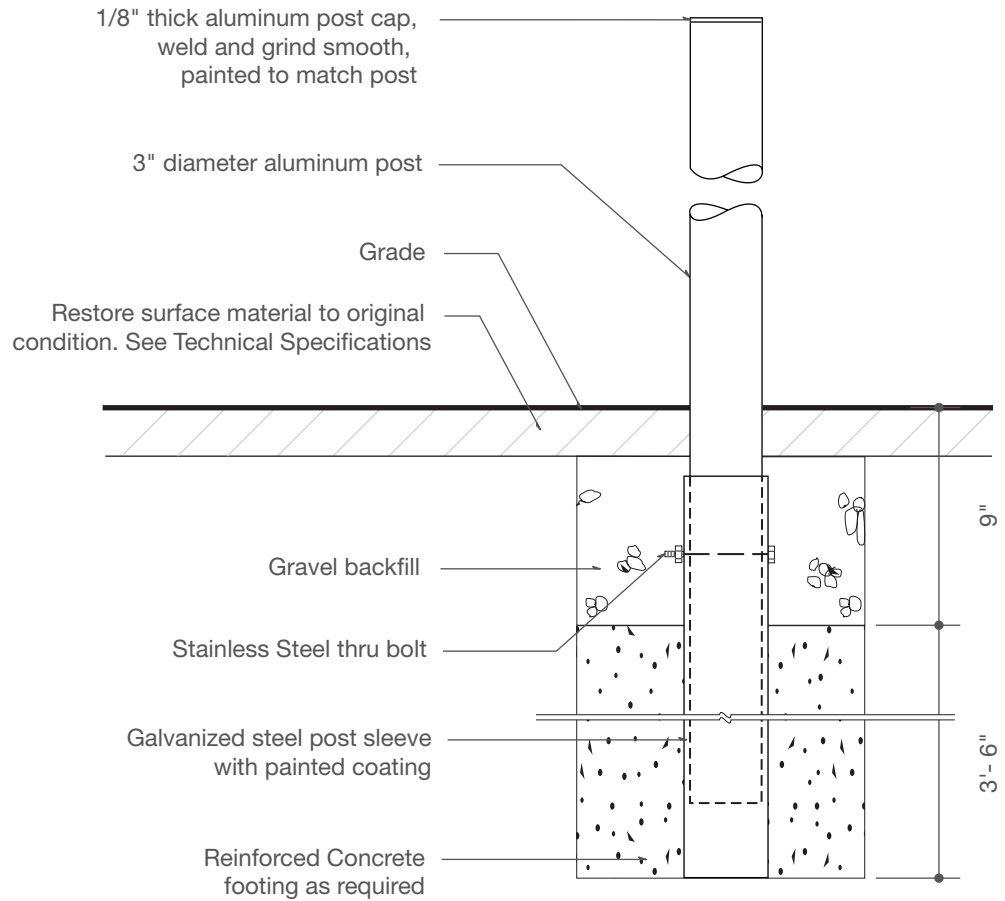
Elevation

Scale: 3/4" = 1' - 0"



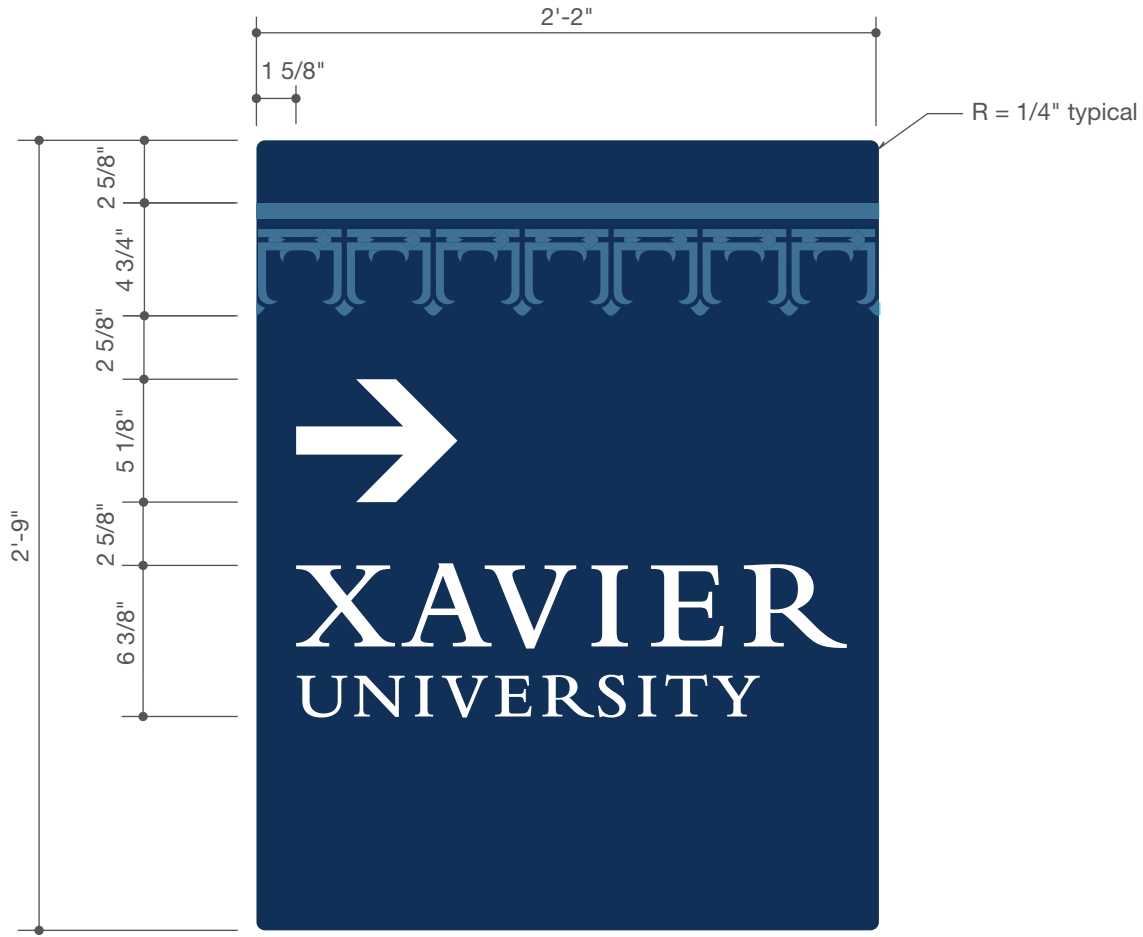
Horizontal Section

Half Size



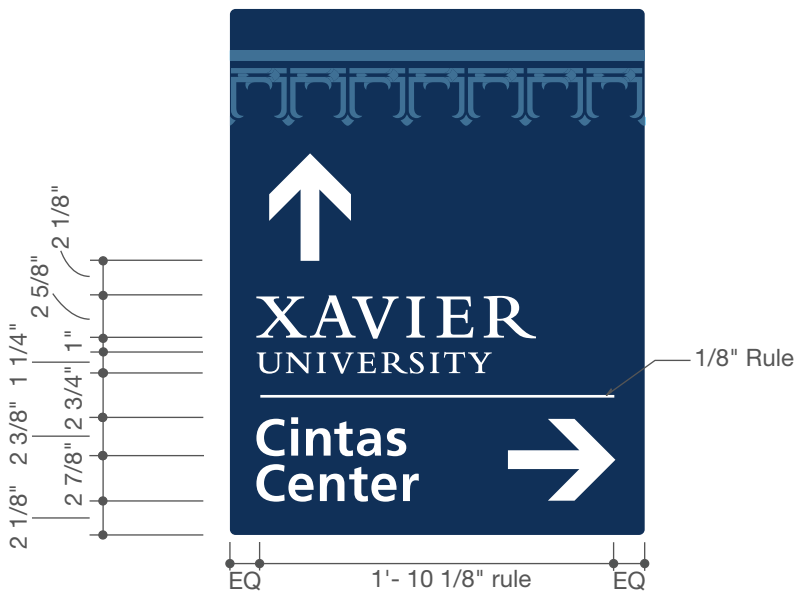
Post Cap, Base and Footing Detail

1 1/2" = 1' - 0"



Layout 1

Scale: 1 1/2" = 1' - 0"



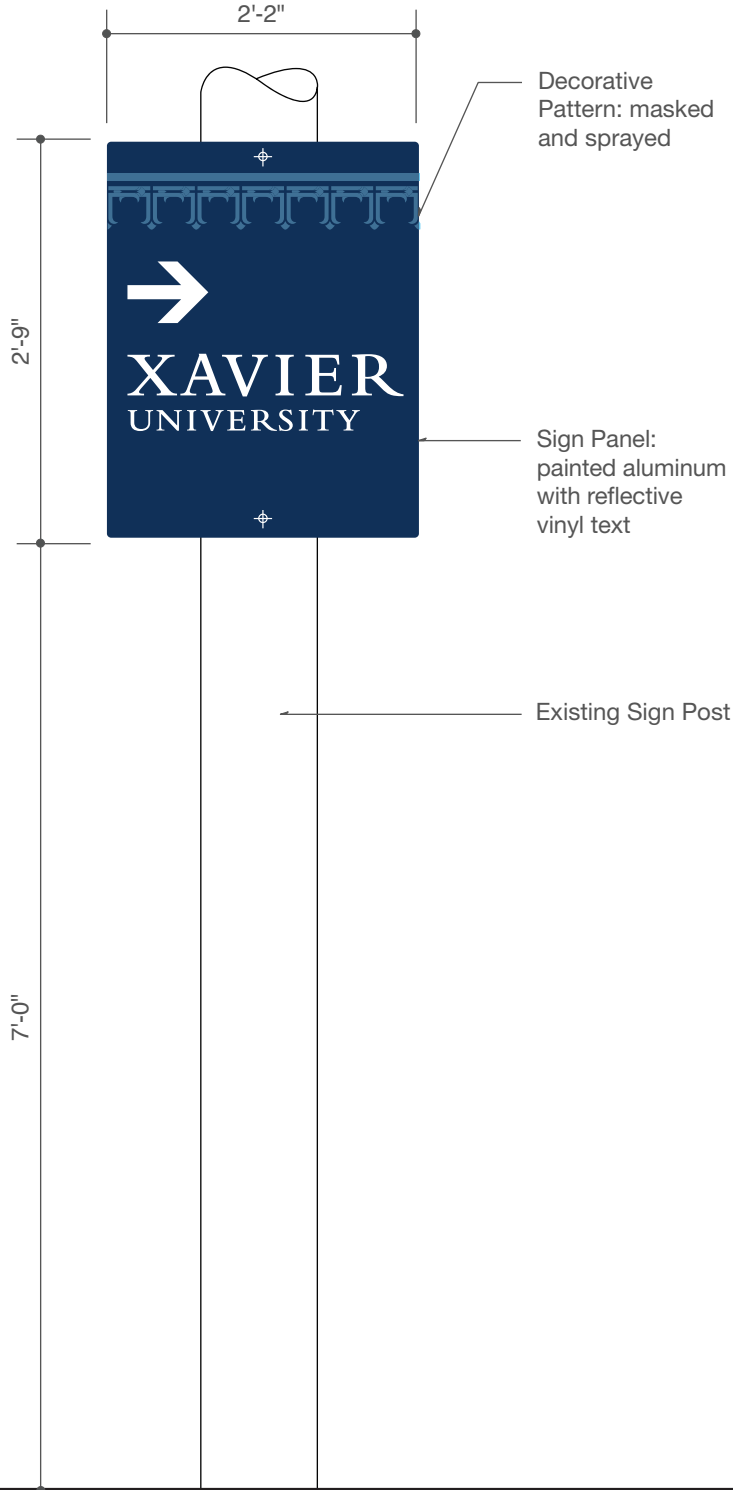
Layout 2

Scale: 1" = 1' - 0"



Layout 3

Scale: 1" = 1' - 0"



Sign Type 105B - Trailblazer, Mounted to Existing Pole

Artwork: Logotype to be provided.

Colors: Sign Panel - Dark Blue
 Text & Arrow - Reflective White
 Decorative Pattern - Medium Blue

Description: Single sided aluminum sign panel, painted with masked and sprayed decorative pattern and reflective vinyl text. Mounted to existing pole.

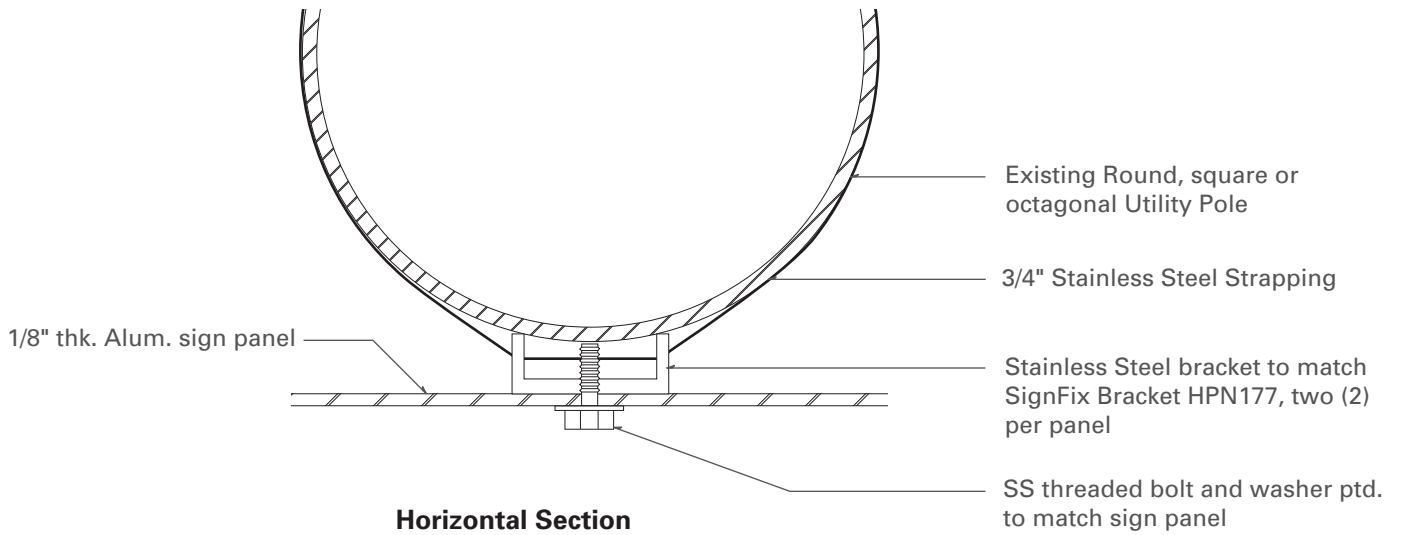
Criteria: This sign is used for providing directions to the University and the Cintas Center along roadways leading to the campus from major highways: where a light pole or utility pole exists.

Signs should be located prior to an intersection, a distance as determined in the field.

The Cintas Center message, when provided, should always be accompanied with the "Xavier University" message.

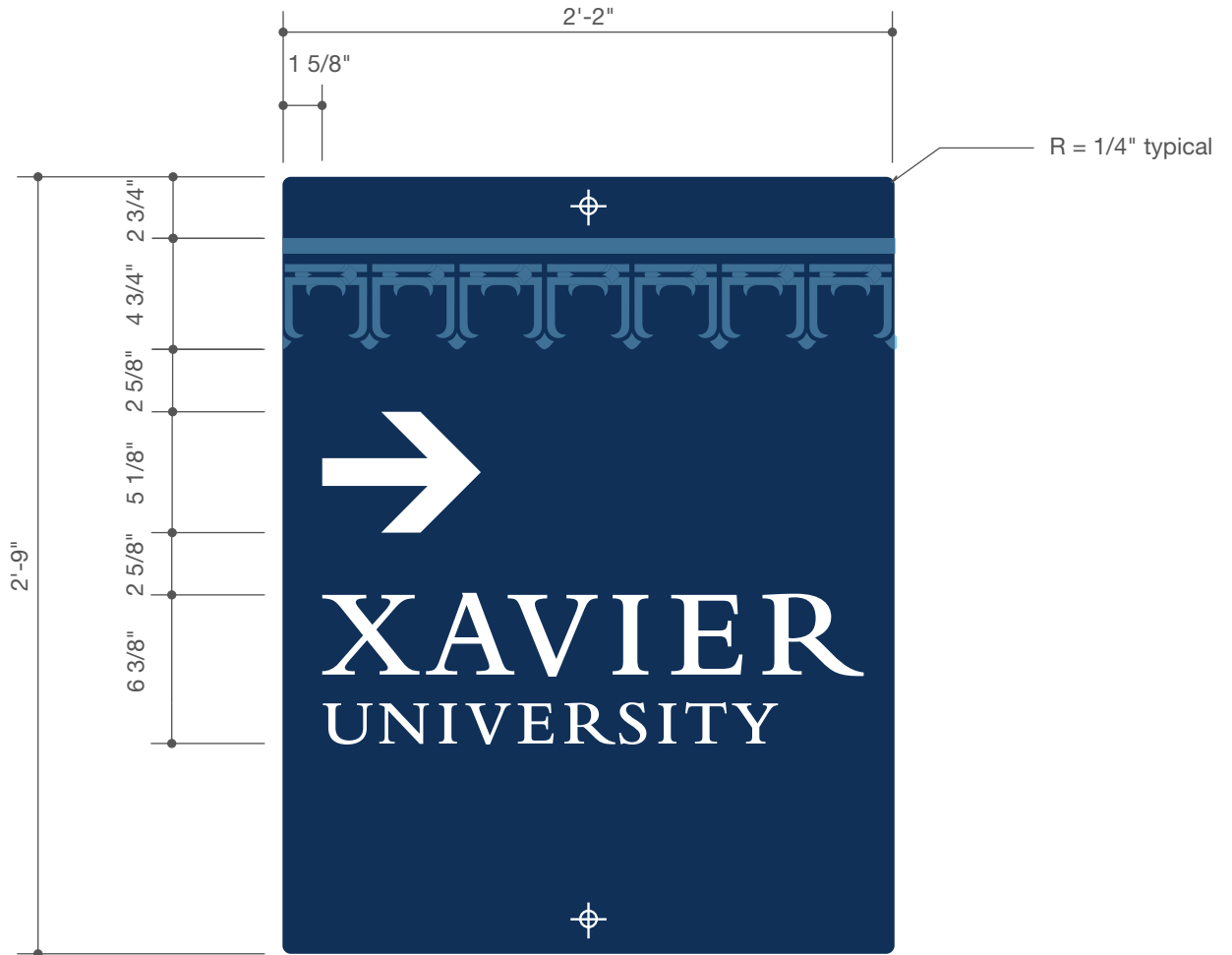
Elevation

Scale: 3/4" = 1' - 0"



Horizontal Section

Half Size



Layout

Scale: 1 1/2" = 1' - 0"

Sign Type 110 - Vehicular Directional, Double Post

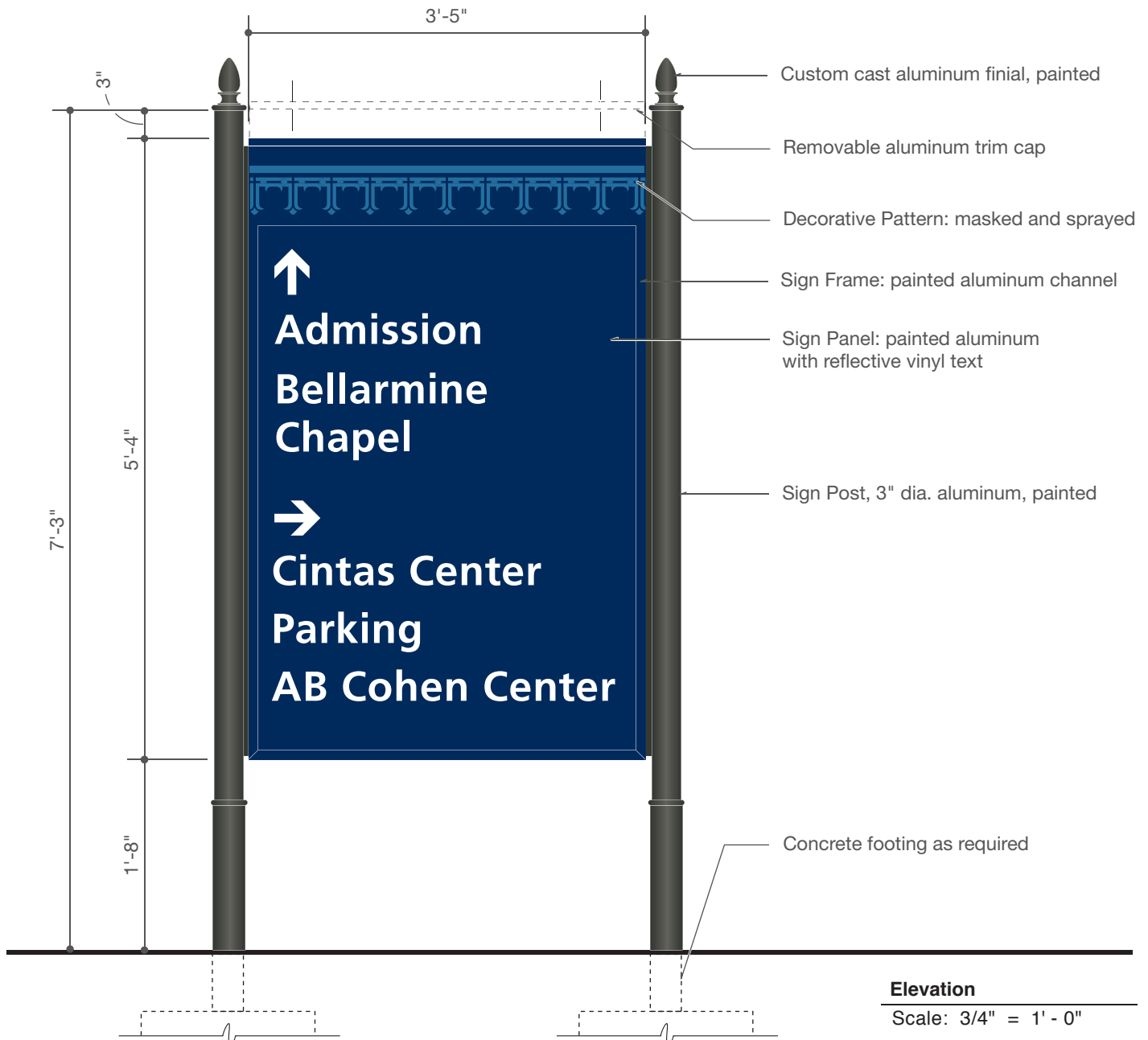
Typestyle: Frutiger 65 Bold

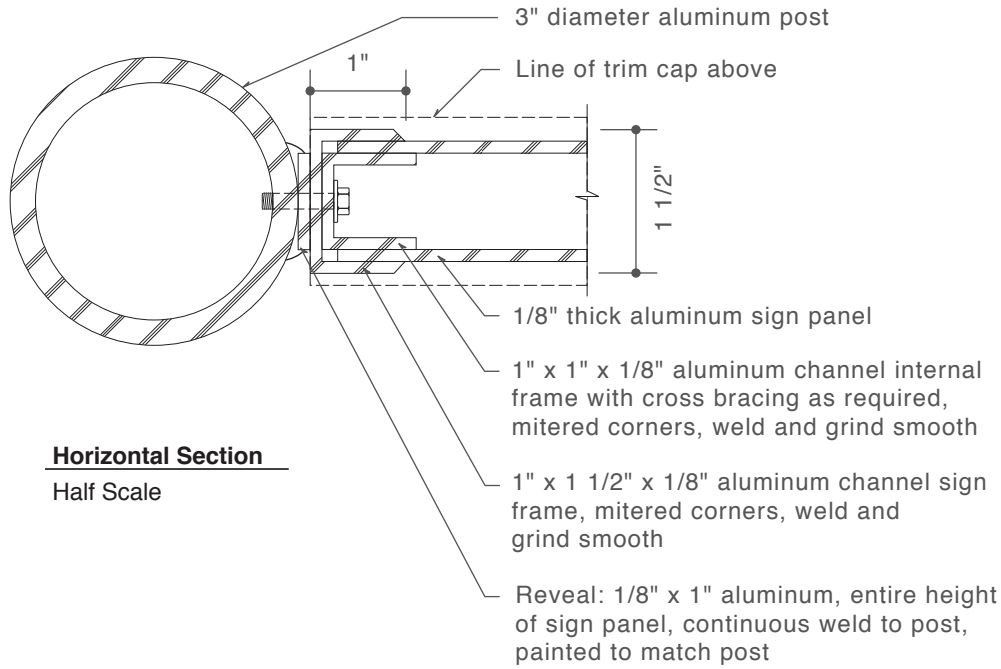
Criteria: This sign is used for providing vehicular directions along campus roads and prior to the main campus entrance on Dana Avenue.

Colors: Sign Posts and Finials - Dark Gray
 Sign Panel and Frame - Dark Blue
 Text & Arrows - Reflective White
 Decorative Pattern - Medium Blue

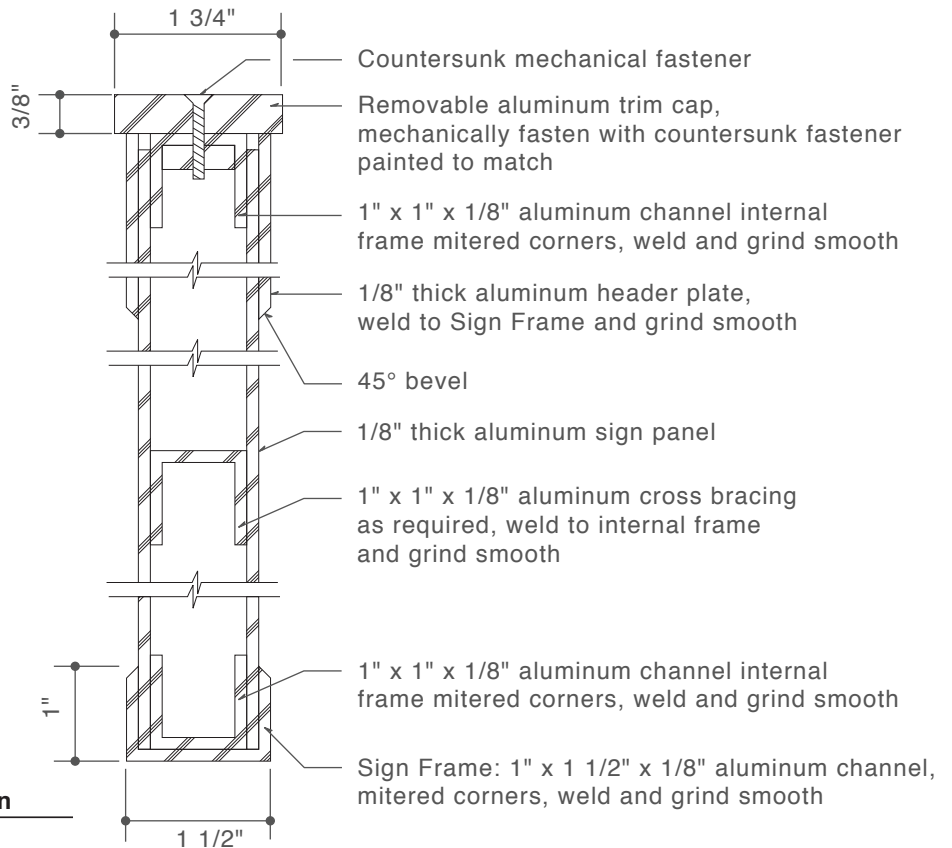
Signs are to be located on University property prior to an intersection, as determined in the field and positioned on the right side of the travel lane. This sign type is intended for single sided use, but can be adapted for double sided use if necessary.

Description: Double sided aluminum sign panel and post, painted with masked and sprayed decorative pattern and reflective vinyl text.

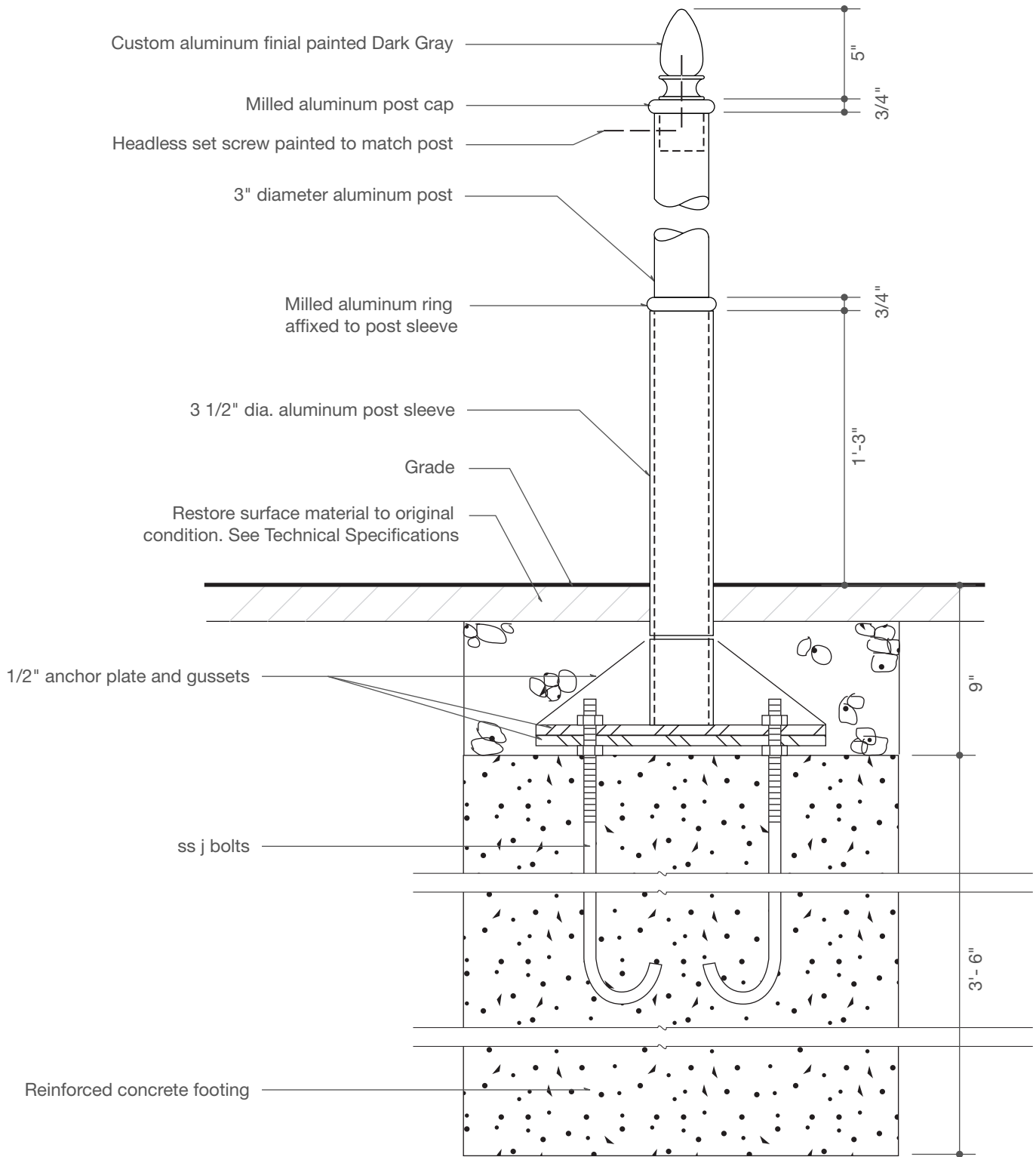




Horizontal Section
 Half Scale

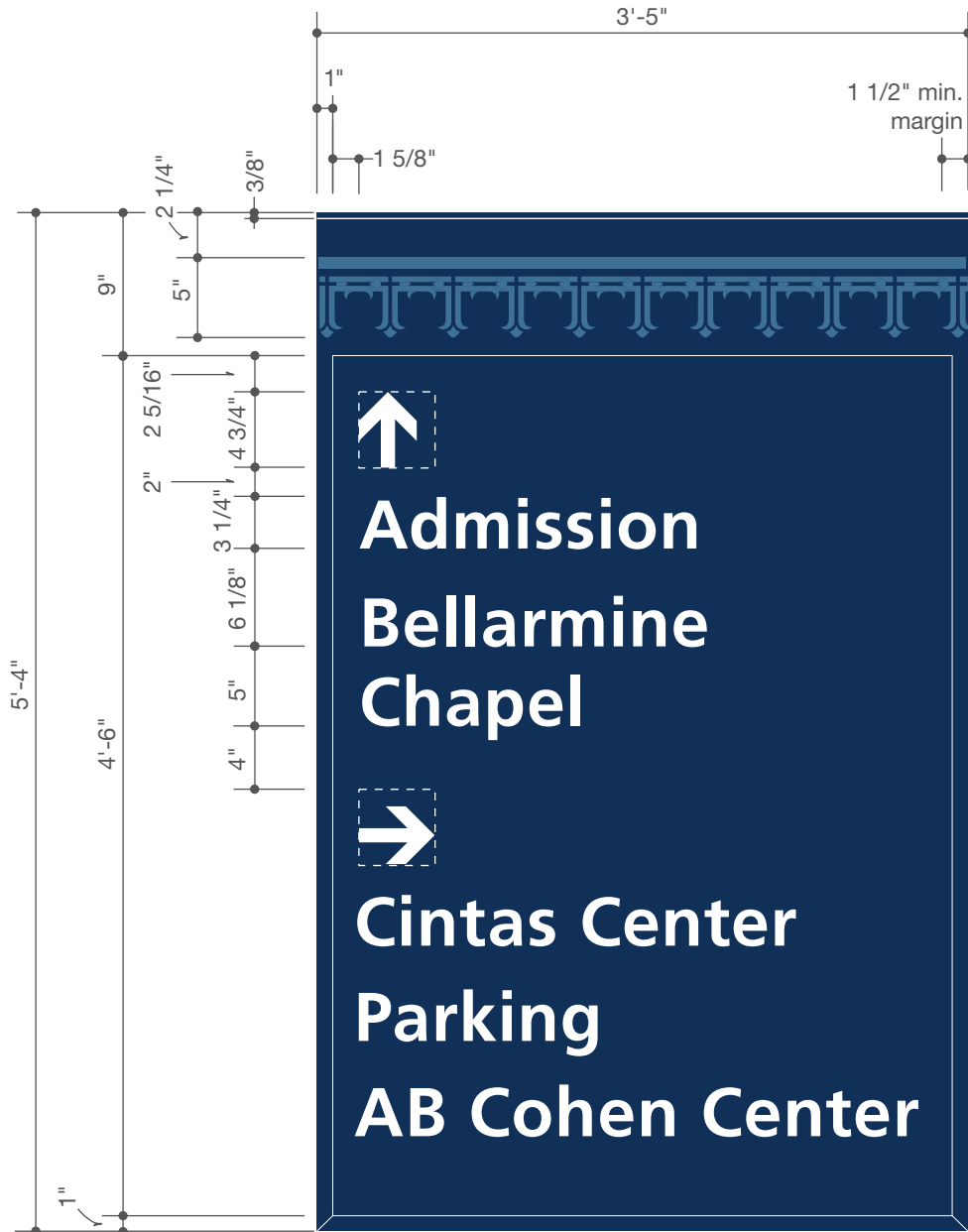


Vertical Section
 Half Scale



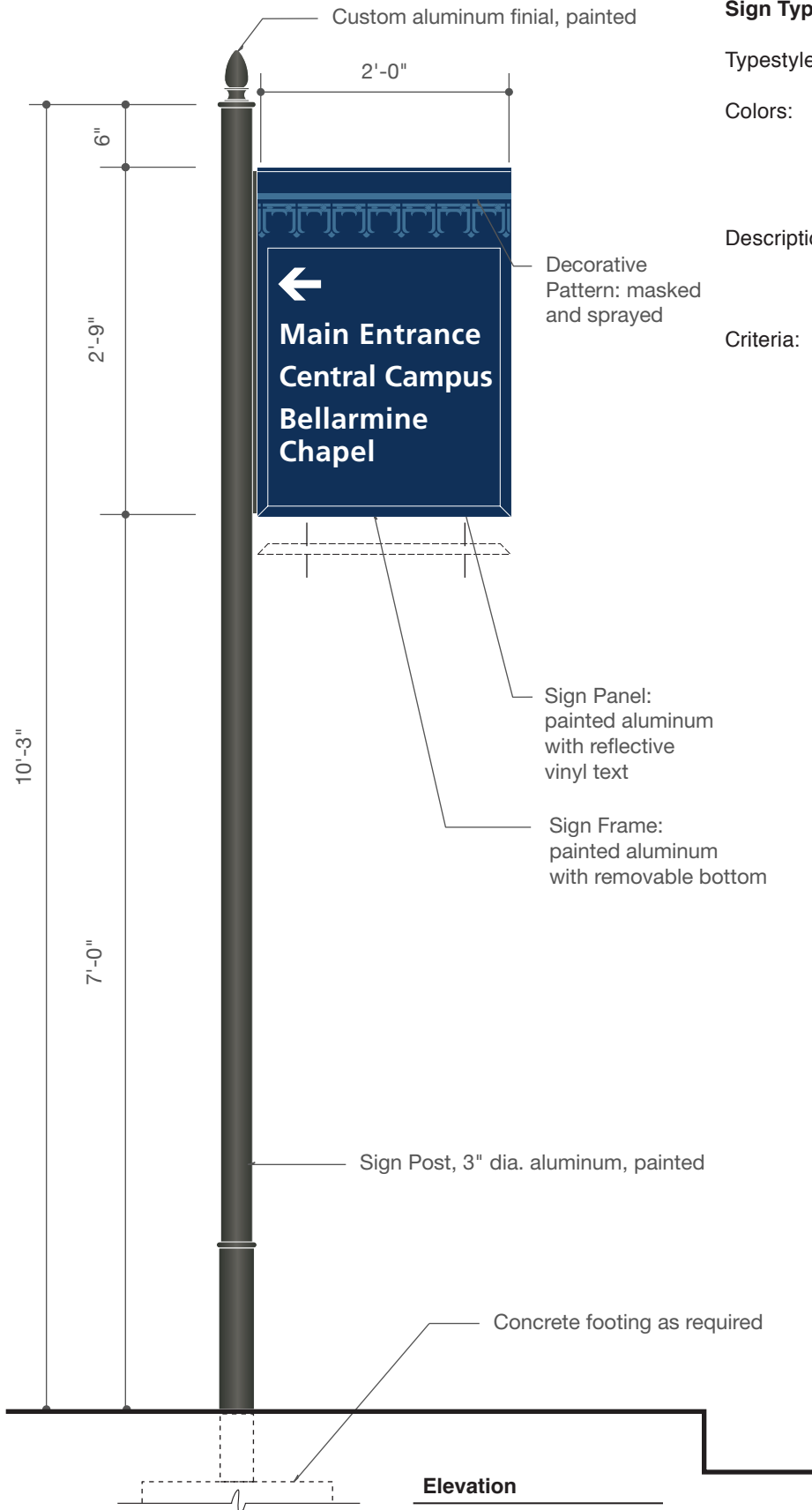
Post Cap, Base and Footing Detail

1 1/2" = 1' - 0"



Layout

Scale: 1" = 1' - 0"



Sign Type 111 - Vehicular Directional, Single Post

Typestyle: Frutiger 65 Bold

Colors: Sign Post and Finial - Dark Gray
Sign Panel and Frame- Dark Blue
Text & Arrow - Reflective White
Decorative Pattern - Medium Blue

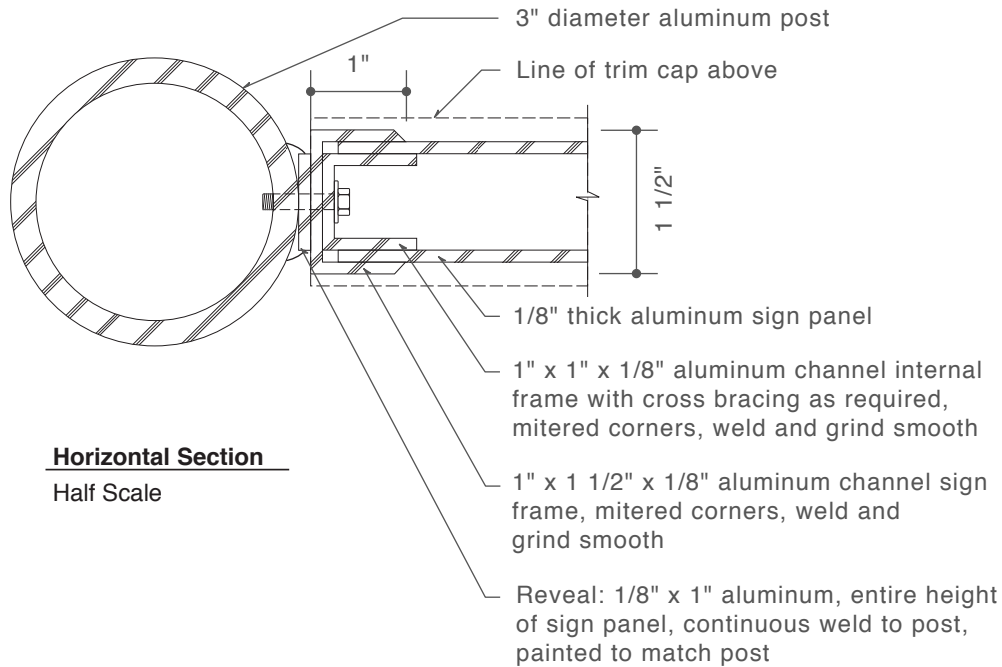
Description: Double sided aluminum sign panel and post, painted with masked and sprayed decorative pattern and reflective vinyl text.

Criteria: This sign is used for providing vehicular directions along campus roads, particularly in the areas where landscaping, parked cars, and other obstructions along the edge of the road may restrict visibility to a double-posted sign type.

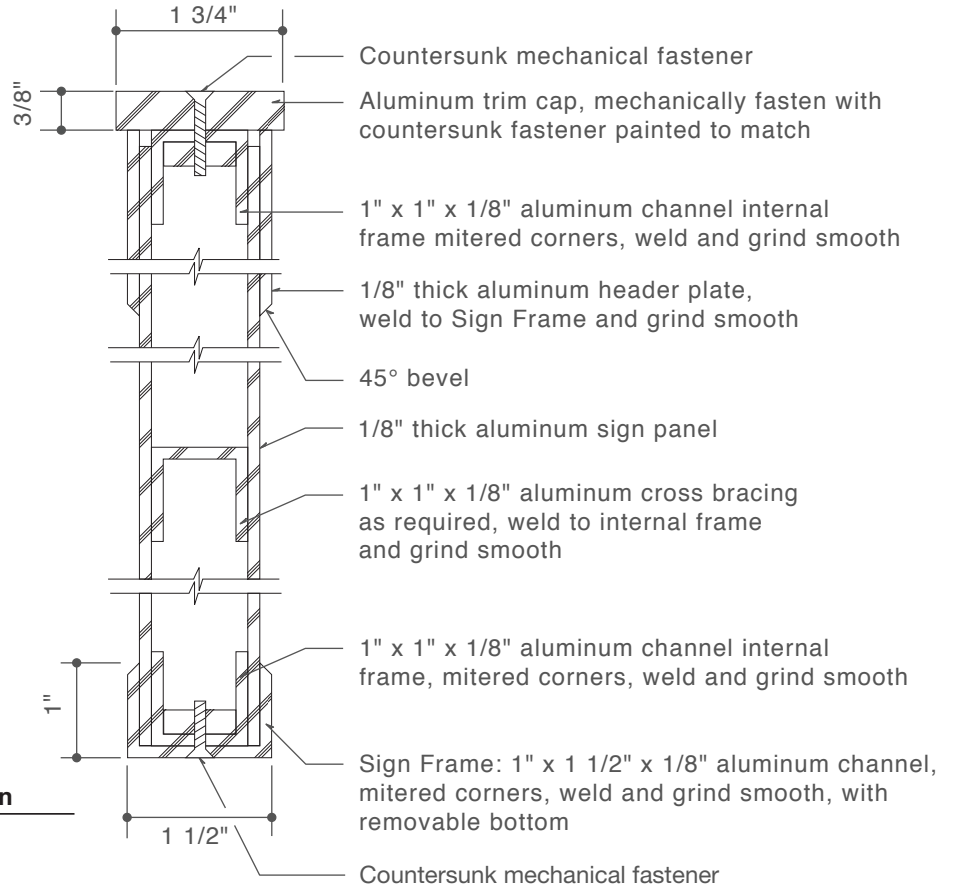
Signs are to be located on Campus prior to an intersection, as determined in the field. Positioned on the right hand side of the travel lane. This sign type is intended for single sided use, but can be adapted for double sided use if necessary.

Elevation

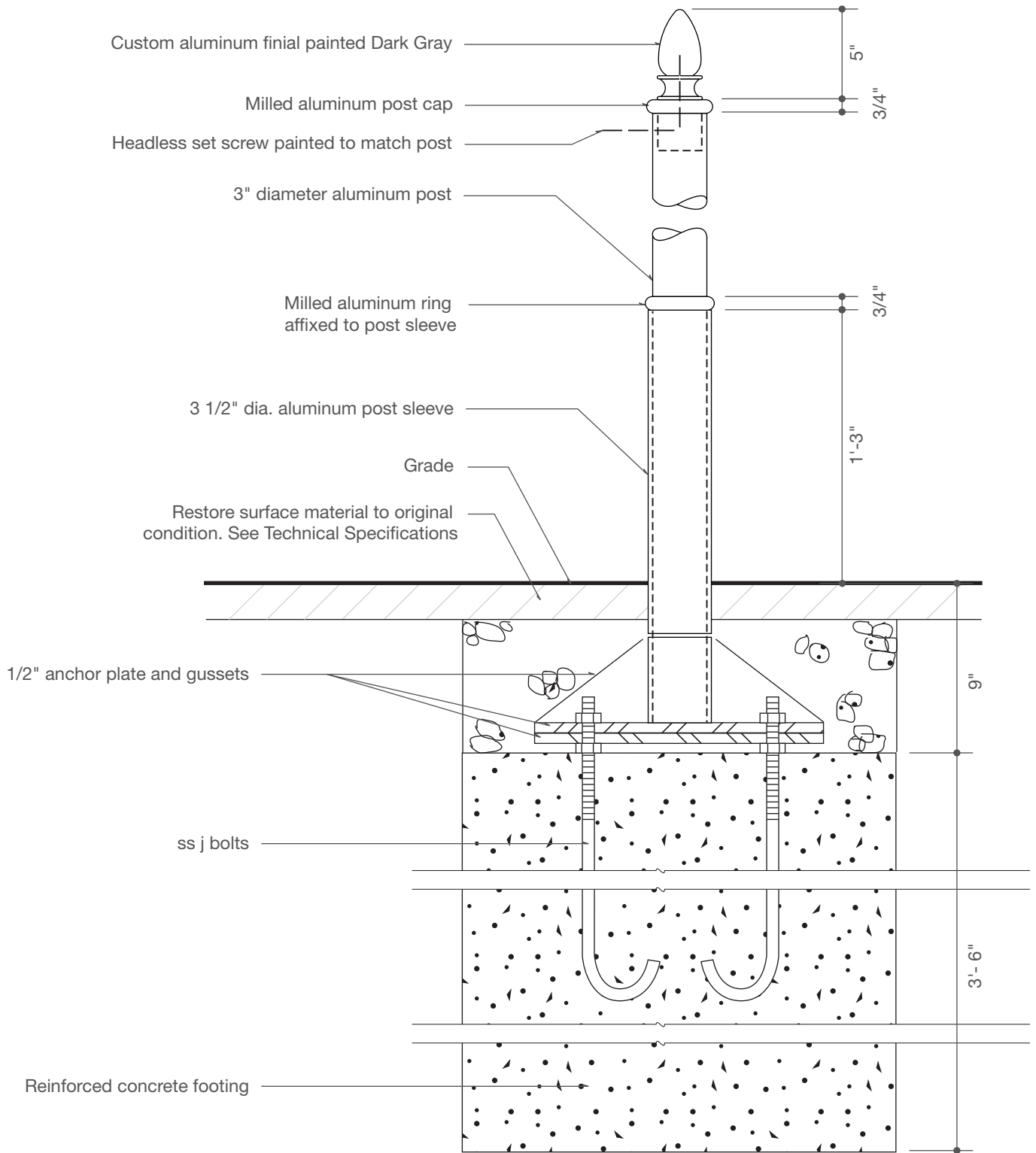
Scale: 3/4" = 1' - 0"



Horizontal Section
Half Scale

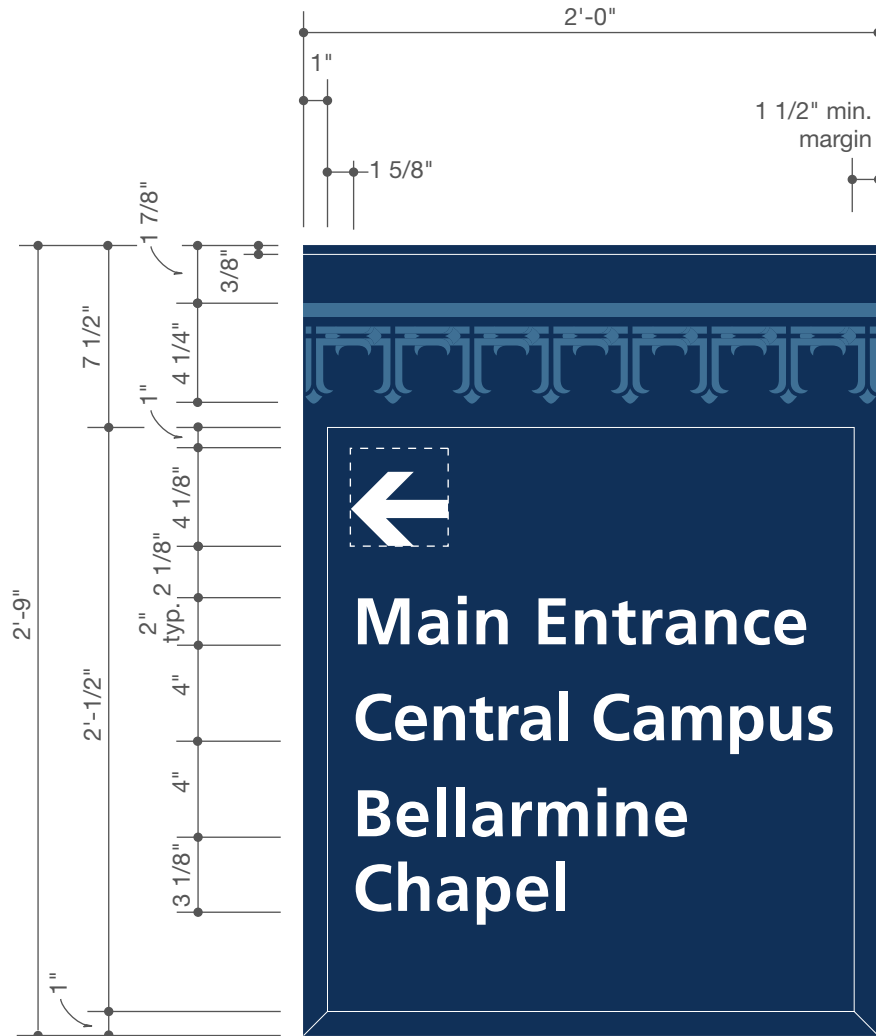


Vertical Section
Half Scale



Post Cap, Base and Footing Detail

1 1/2" = 1' - 0"



Layout

Scale: 1 1/2" = 1' - 0"

Sign Type 112 - Vehicular Directional, Temporary Events

Typestyle: Frutiger 65 Bold

Artwork: Symbols to be provided.

Colors: Sign Frame - Black
 Sign Panel - Dark Blue
 Text & Arrow - Reflective White
 Symbols - As noted in layouts.

Description: Double sided sign with polycarbonate panel, painted with reflective vinyl graphics in Windmaster sign frame.

Criteria: This sign is used for providing vehicular directions in areas of campus during events, as necessary, to control or divert the flow of traffic and manage parking. Signs are intended for single sided use but can be adapted for double-sided conditions. This is particularly true at the entrance to parking areas where vehicles will be approaching from two directions



Elevation

Scale: 3/4" = 1' - 0"



Layout 1

Scale: 1" = 1' - 0"

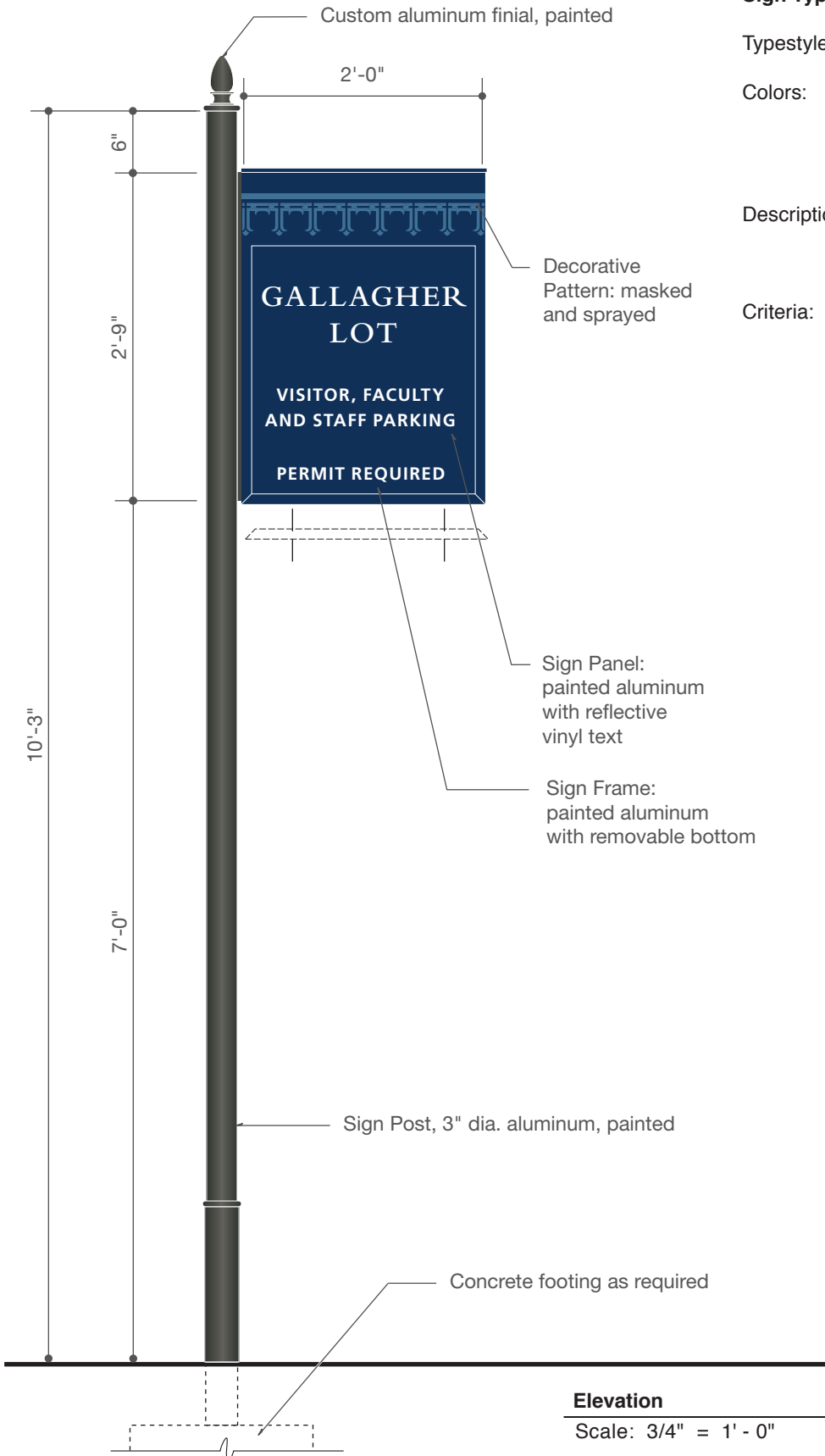
Sign Type 115 - Parking ID, Large, Single Post

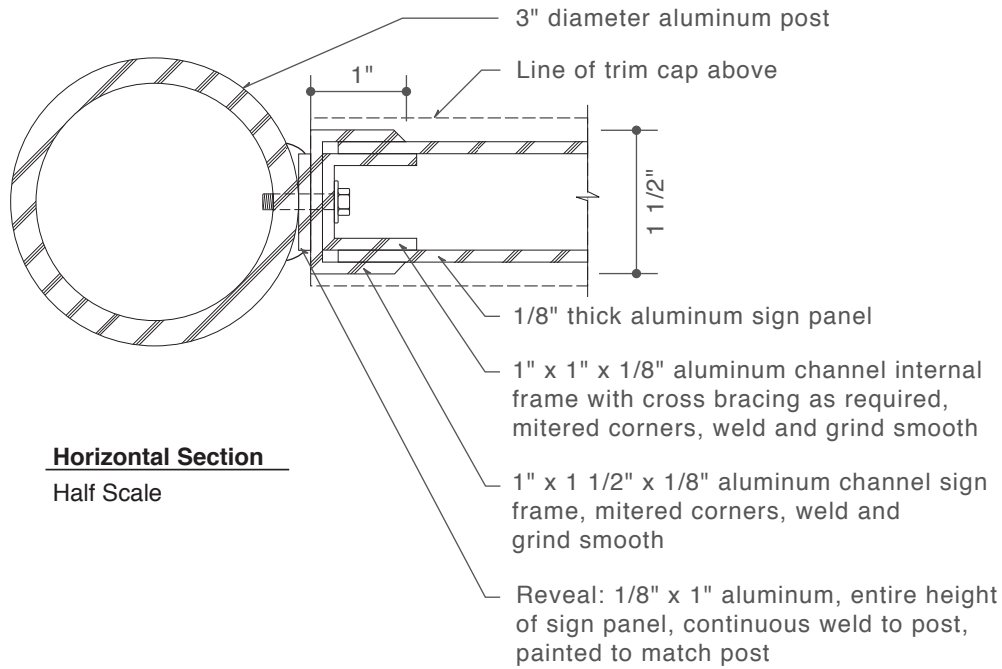
Typestyle: Bembo Semibold and Frutiger 65 Bold

Colors: Sign Post and Finial - Dark Gray
Sign Panel and Frame - Dark Blue
Text - Reflective White
Decorative Pattern - Medium Blue

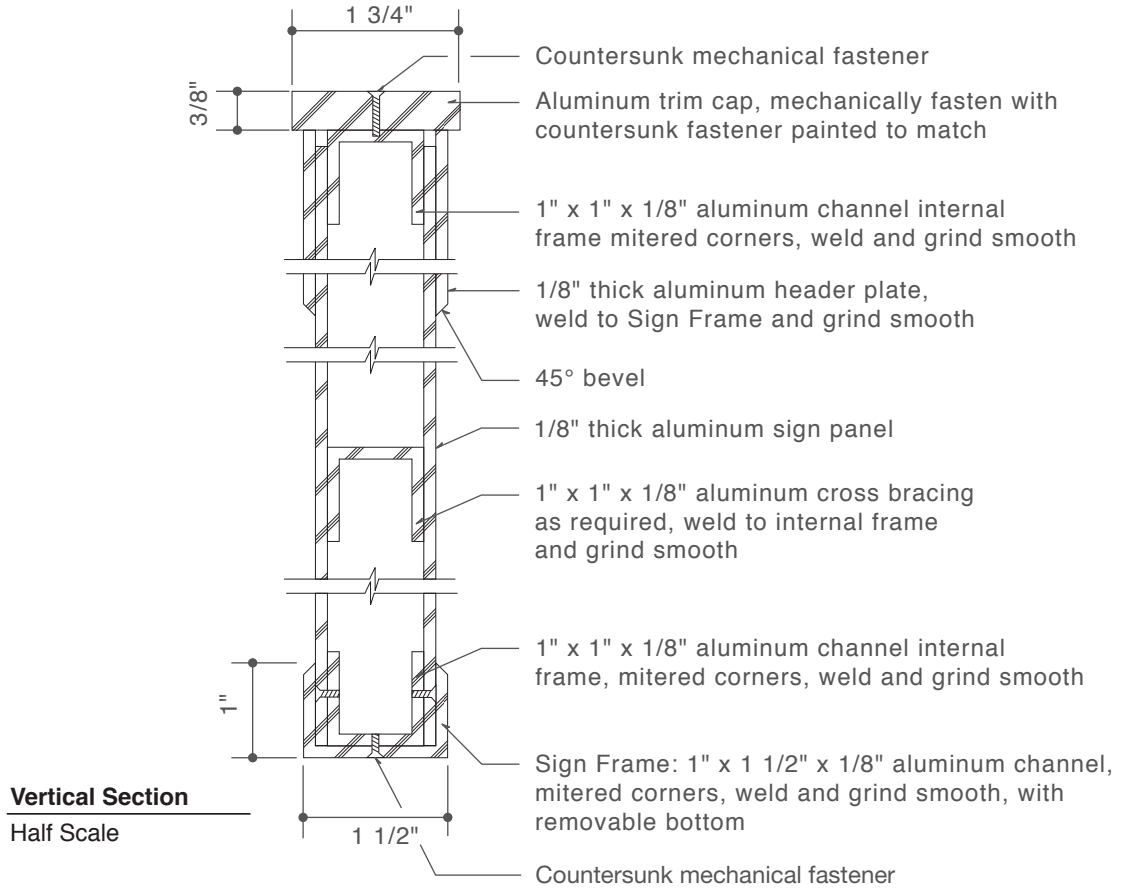
Description: Double sided aluminum sign panel and post, painted with masked and sprayed decorative pattern and reflective vinyl text.

Criteria: This sign is used for the identification of major Xavier University parking lots. The sign is most often to be located at the entrance to a parking lot and positioned perpendicular to the roadway.

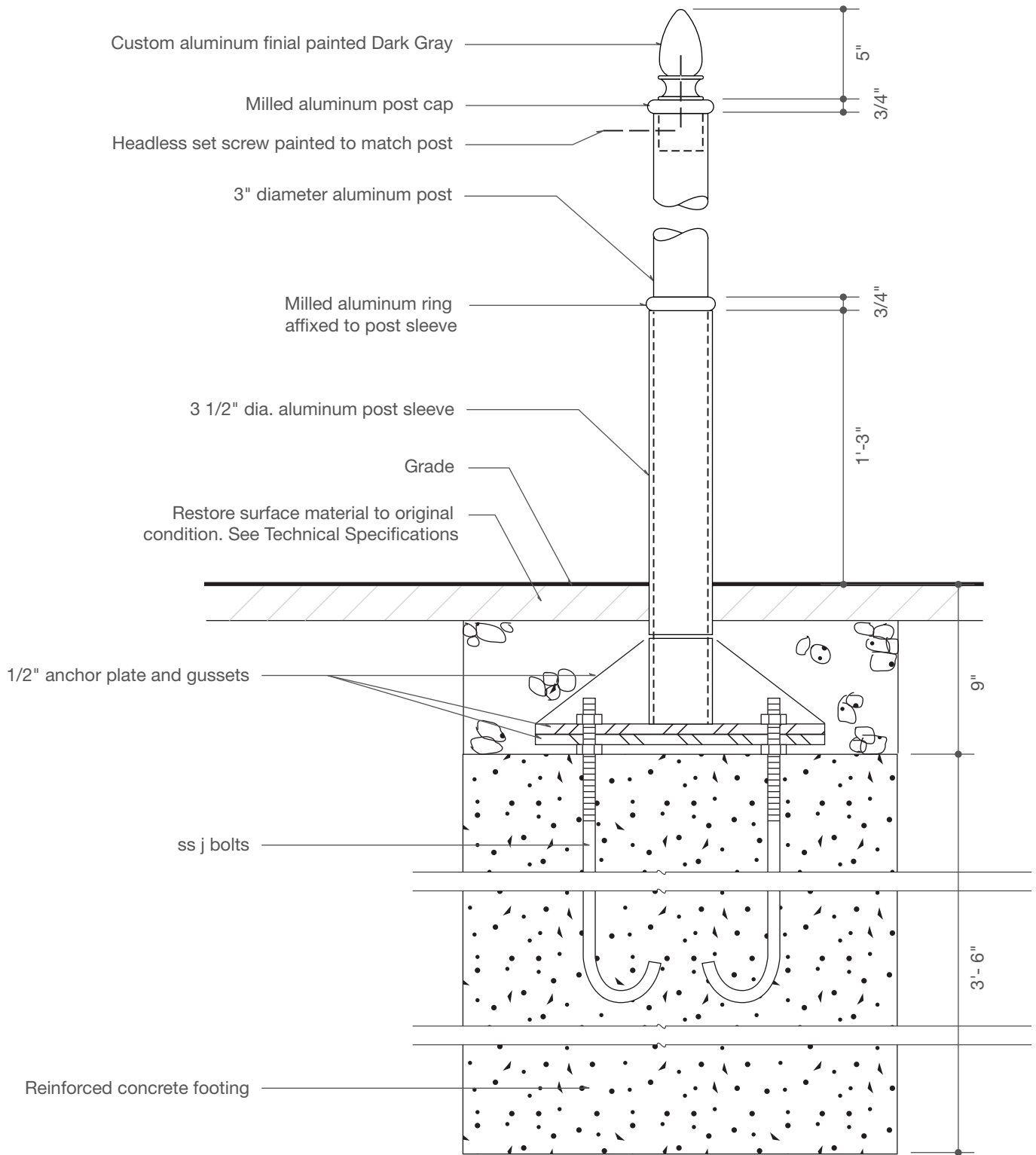




Horizontal Section
 Half Scale

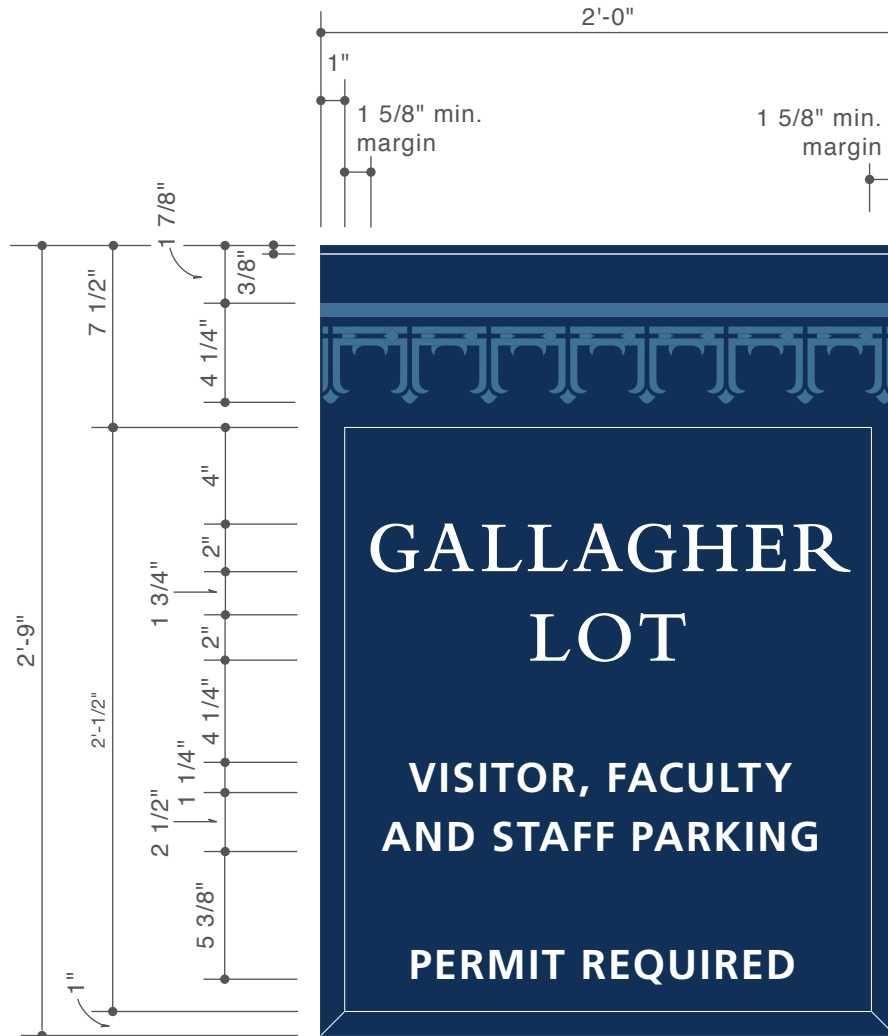


Vertical Section
 Half Scale



Post Cap, Base and Footing Detail

1 1/2" = 1' - 0"



Layout 1

Scale: 1 1/2" = 1' - 0"

Sign Type 116 - Parking ID, Small, Single Post

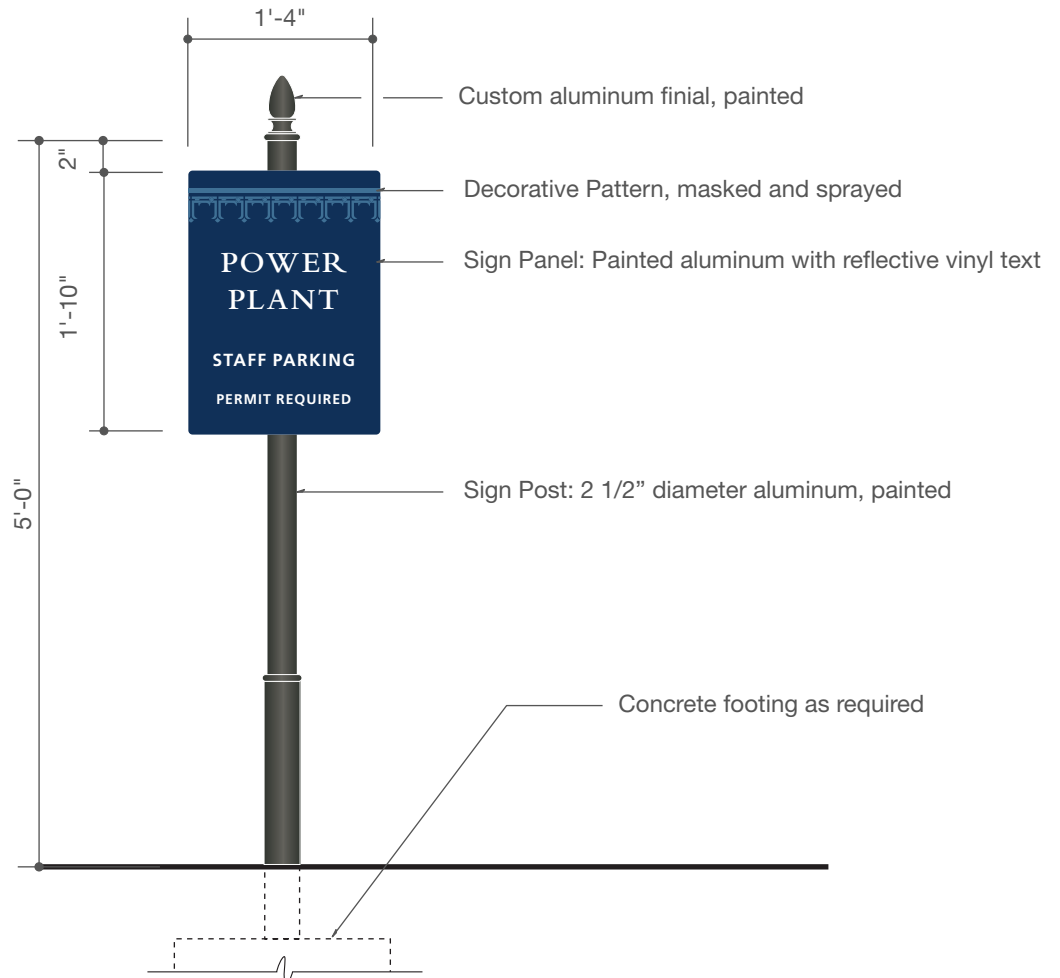
Typestyle: Bembo Semibold and Frutiger 65 Bold

Colors: Sign Post and Finial- Dark Gray
 Sign Panel - Dark Blue
 Text - Reflective White
 Decorative Pattern - Medium Blue

Description: Single sided aluminum sign panel and aluminum post, painted with masked and sprayed decorative pattern and reflective vinyl text.

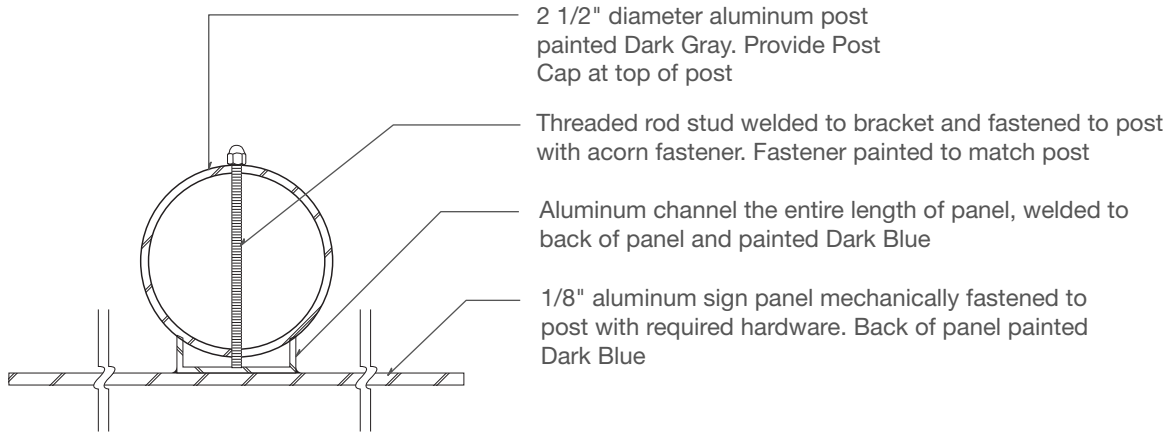
Criteria: This sign is used for the identification of Xavier University parking lots that are small or staff only.

Signs are to be located on University property, parallel to the street, as determined in the field. This sign type is intended for single-sided use only.



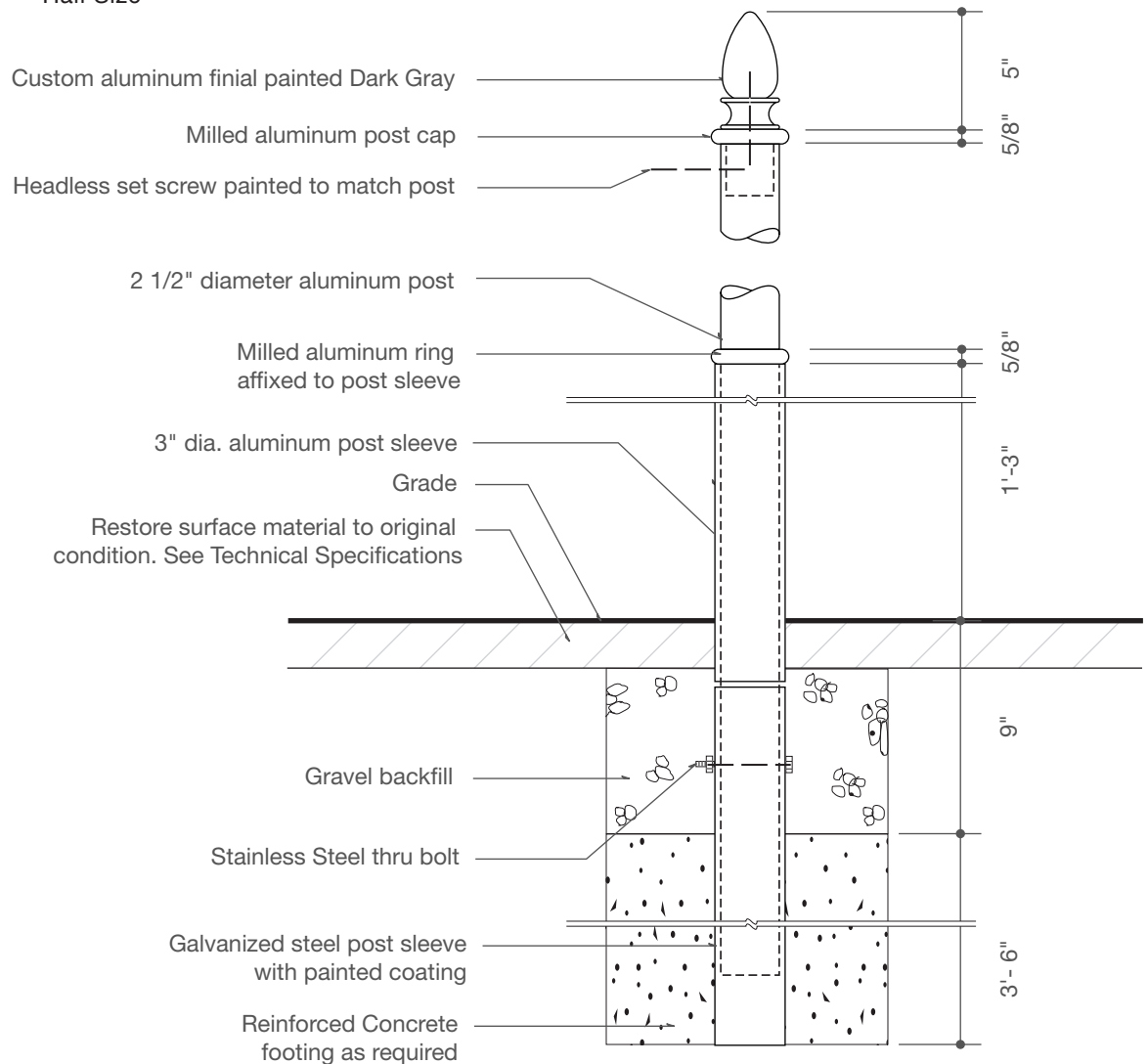
Elevation

Scale: 3/4" = 1' - 0"



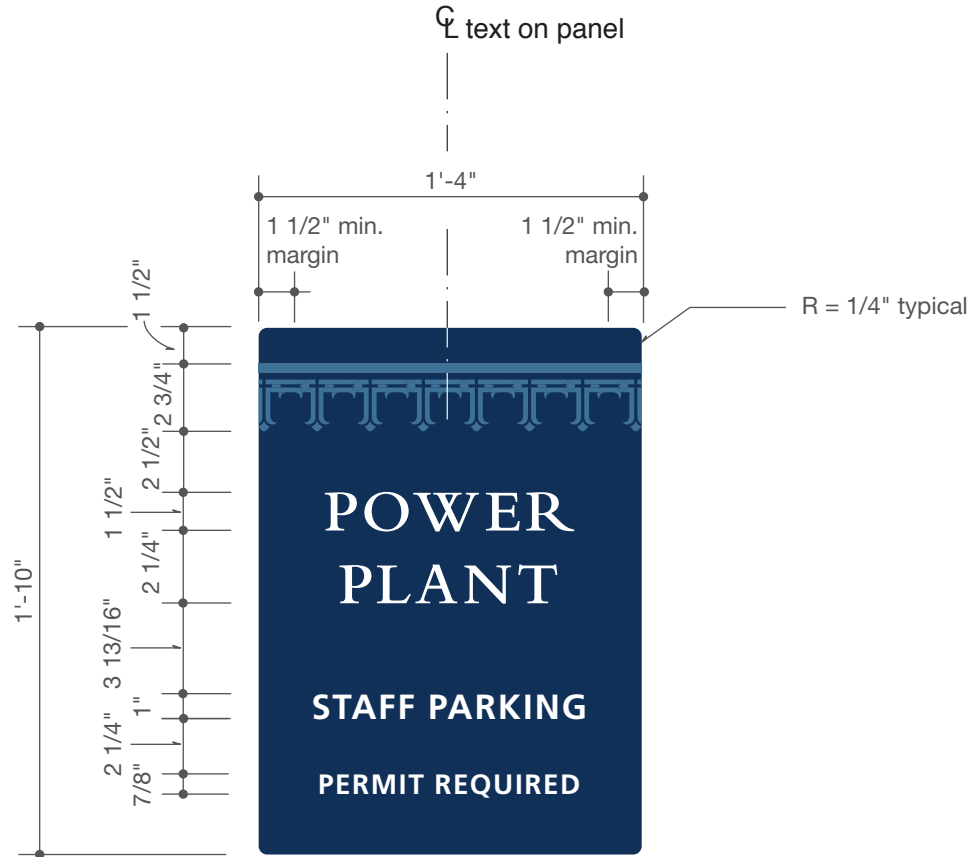
Horizontal Section

Half Size



Post Cap, Base and Footing Detail

1 1/2" = 1' - 0"



Layout 1

Scale: 1 1/2" = 1' - 0"

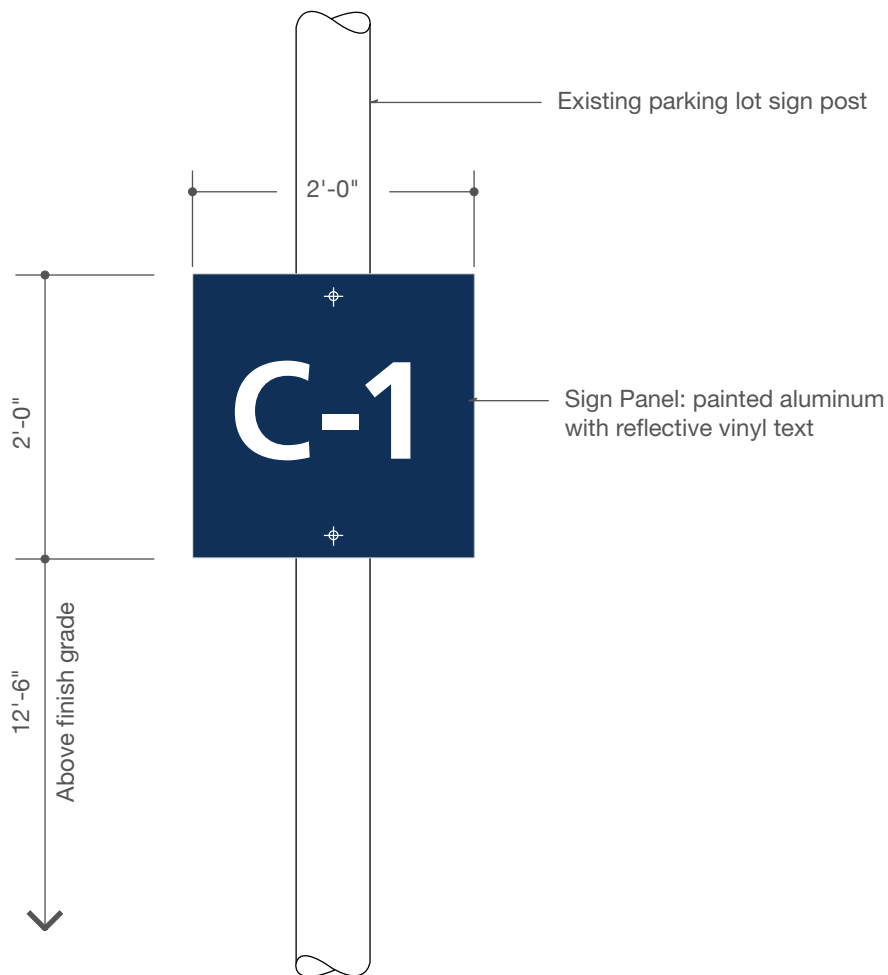
Sign Type 117 - Parking Lot Number Panel

Typestyle: Frutiger 65 Bold

Colors: Sign Panel - Dark Blue
Text - Reflective White

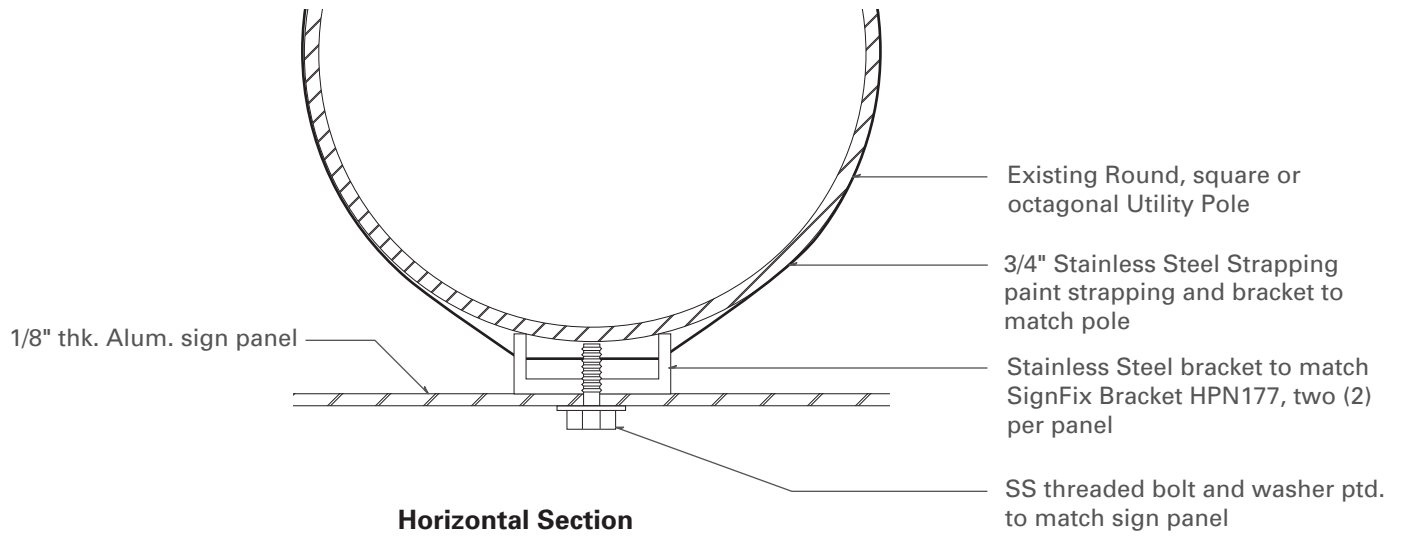
Description: Single sided aluminum sign panel, painted with reflective vinyl text, mounted to existing pole.

Criteria: This sign is used, in addition to Sign Type 15, to identify sections of Xavier University's larger parking lots. It is to be placed where an existing light pole or utility pole is present.



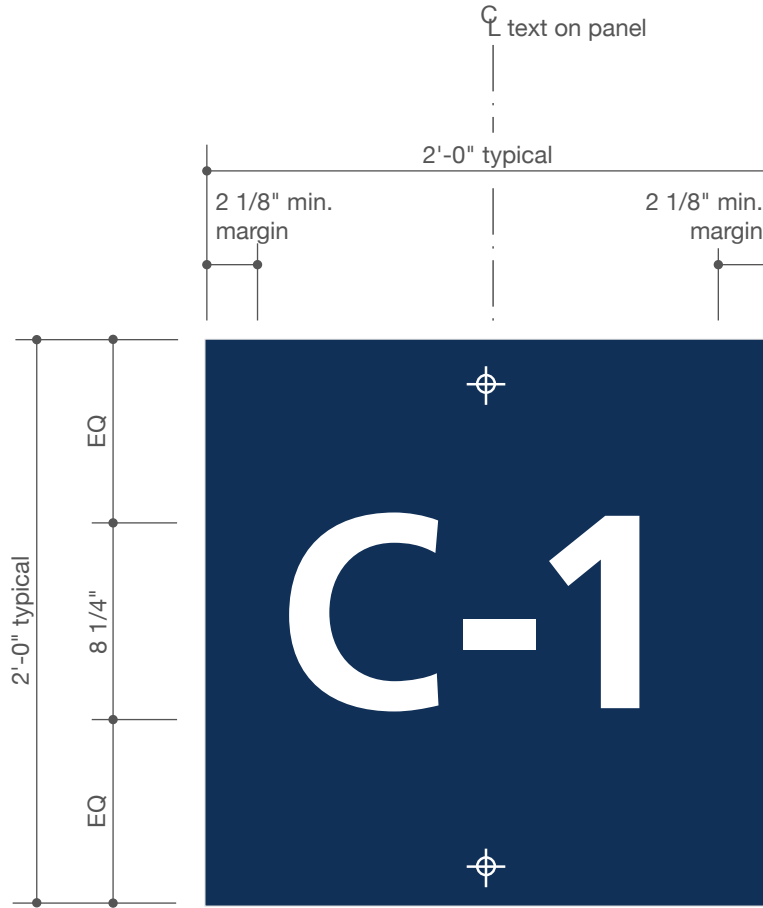
Elevation

Scale: 3/4" = 1' - 0"



Horizontal Section

Half Size



Layout 1

Scale: 1 1/2" = 1' - 0"

Sign Type 120 - Campus Information Kiosk

Artwork: Map Artwork (1 side) provided on disc by Designer, Adobe Illustrator CS3

Poster Artwork (3 sides) provided by Owner

Colors: As Noted

Description: Fabricated aluminum kiosk with glass covered internally illuminated poster cases (4 sides), pre-cast base and lead-coated copper roof.

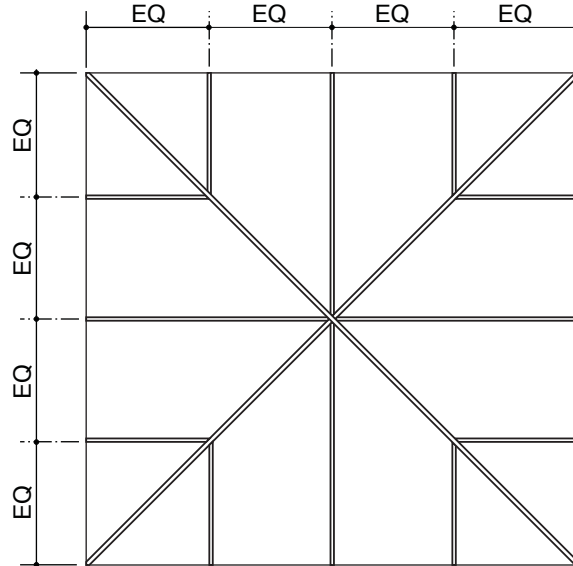
Criteria: This four-sided kiosk is to be used for the display of promotional, event and wayfinding information. Kiosks should be located in central gateway areas and in close proximity to event facilities, such as the Cintas Center and Gallagher Hall, as well as an available power source.



Poster: high resolution (600 dpi min.) digital transparency

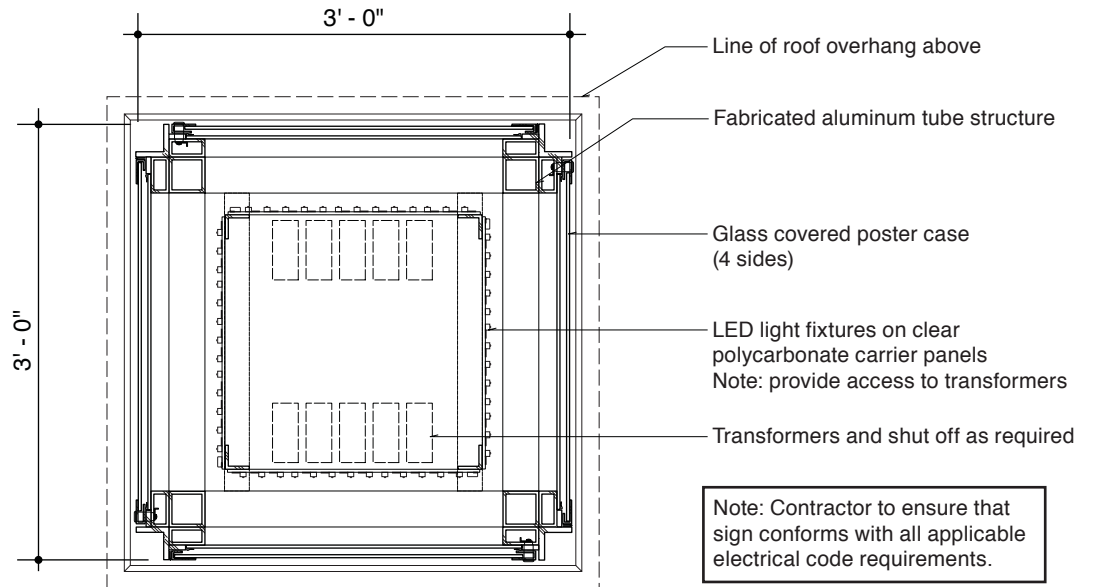
Elevation

Scale: 3/4" = 1' - 0"



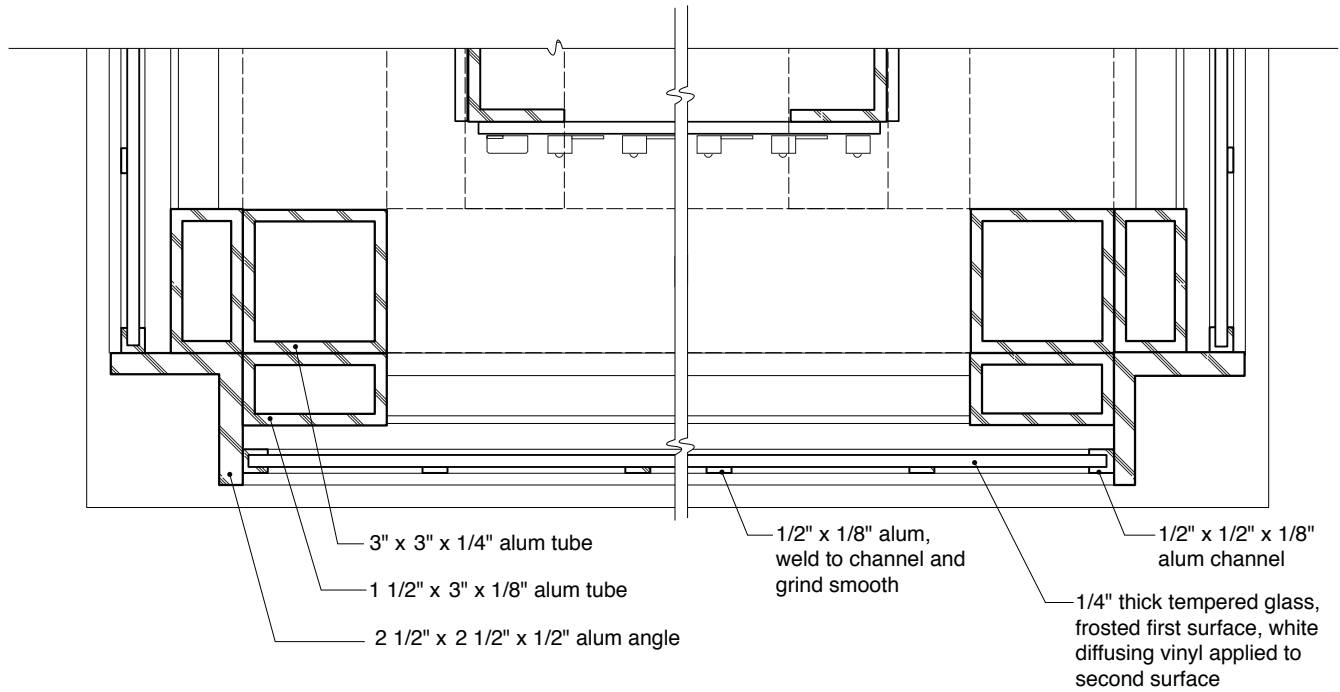
Roof Plan

Scale: 3/4" = 1' - 0"



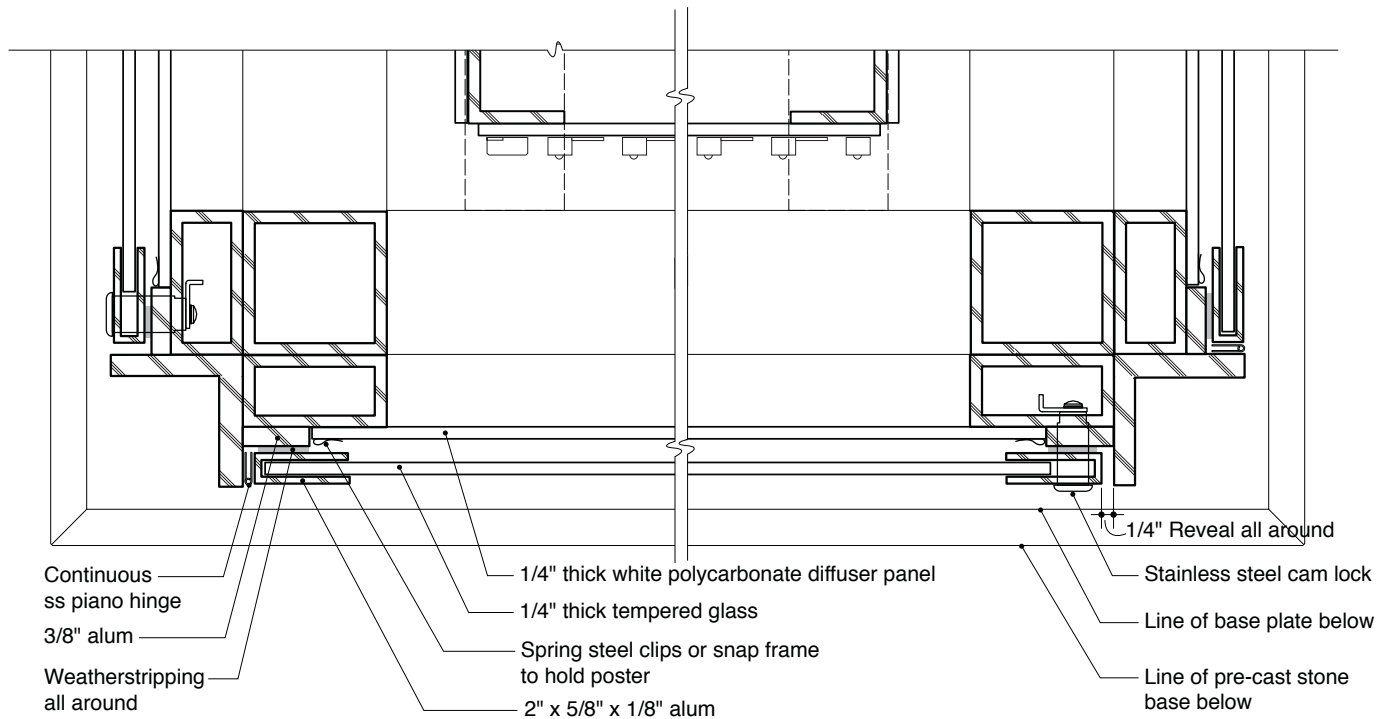
Section at Poster Cabinet

Scale: 3/4" = 1' - 0"



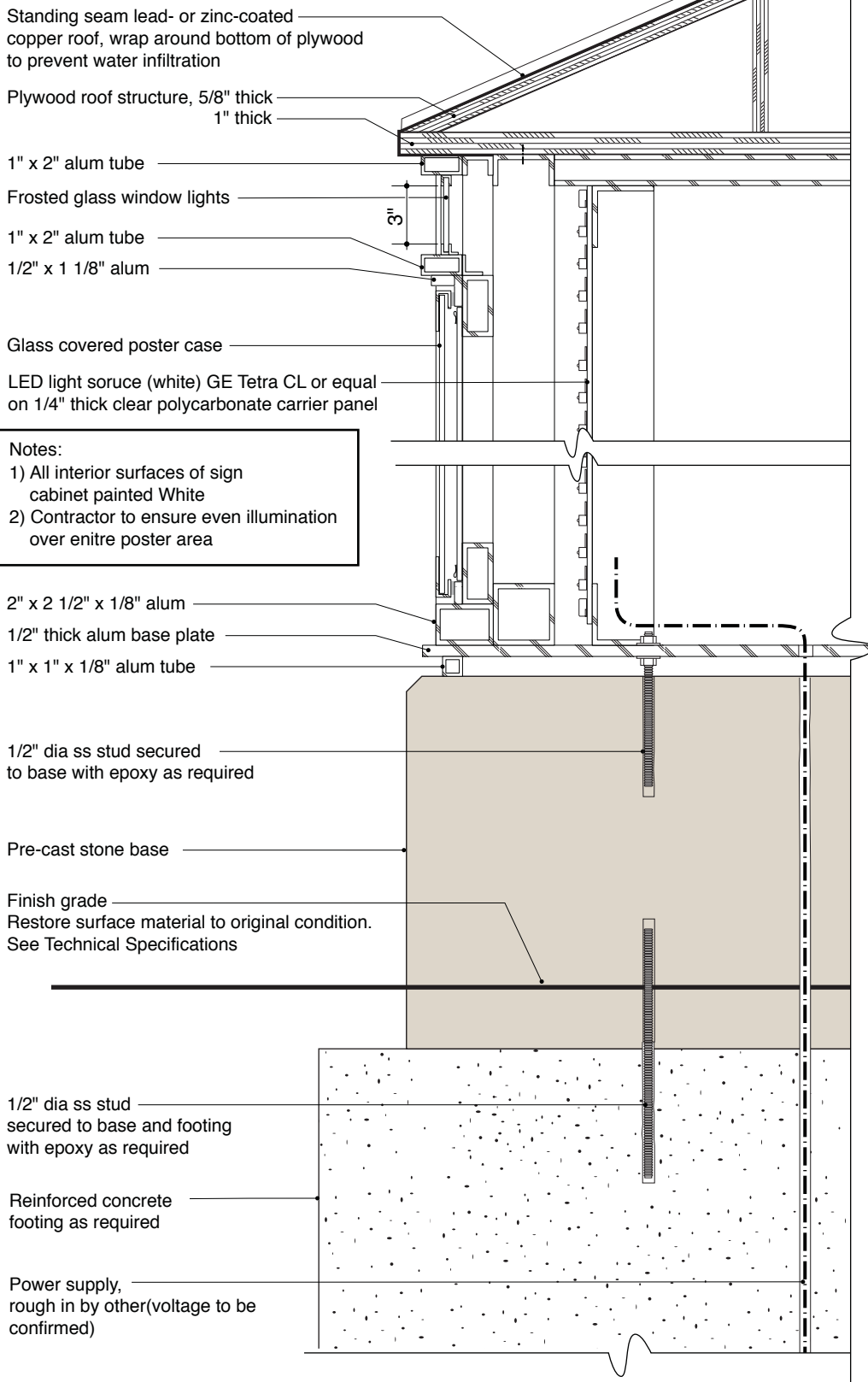
Horizontal Section at Frosted Glass Window Lights

Scale: 3" = 1' - 0"



Horizontal Section at Poster Cabinet

Scale: 3" = 1' - 0"



Vertical Section

Scale: 1 1/2" = 1' - 0"

Sign Type 121 - Campus Map Display

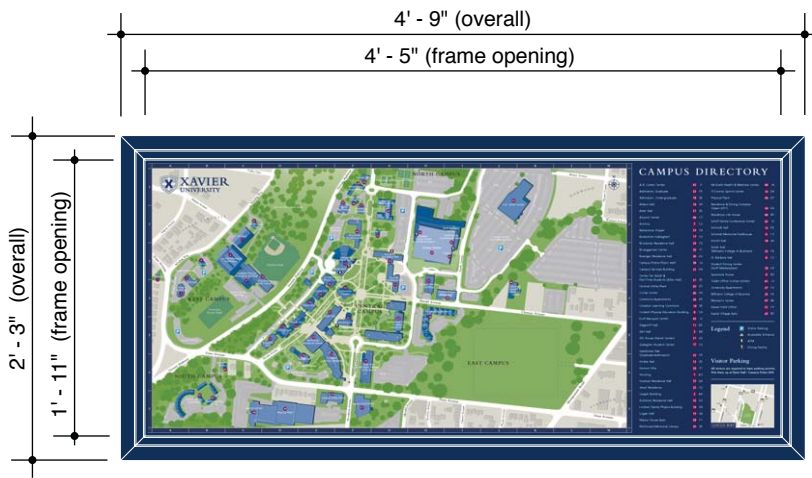
Artwork: Map Artwork provided on disc by Designer, Adobe Illustrator CS3

Colors: As Noted

Description: Fabricated aluminum map display with digital high pressure laminate (dHPL) graphic panel, removable frame, waterjet-cut decorative grillwork, cast aluminum shield and pre-cast concrete base.

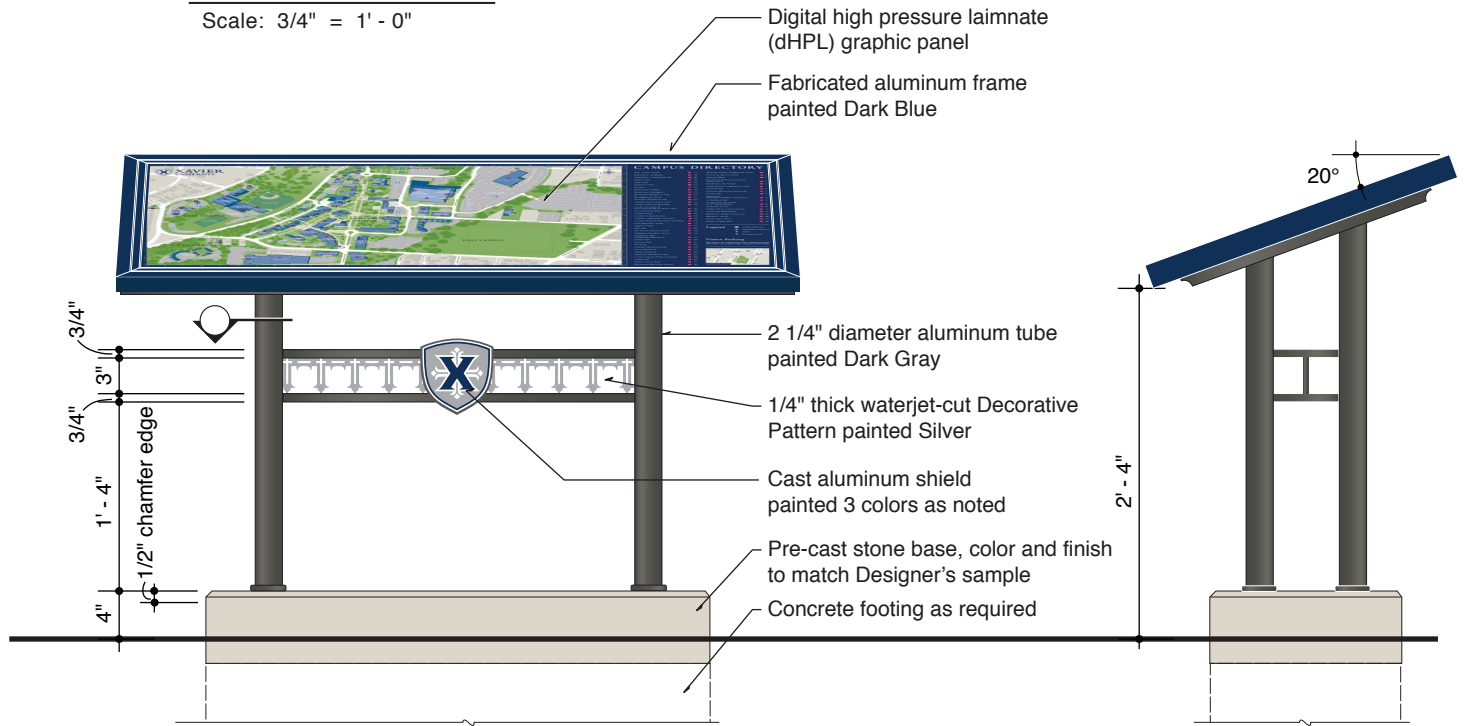
Criteria: This map display is used to provide pedestrian orientation information at Central Gathering areas, at decision points along pathways and at egress points from parking areas.

Displays should be oriented in the direction of the map graphic (facing North) whenever possible. If due North is not possible, West or East is acceptable. The map display must never be positioned facing South.



Graphic Panel

Scale: 3/4" = 1' - 0"

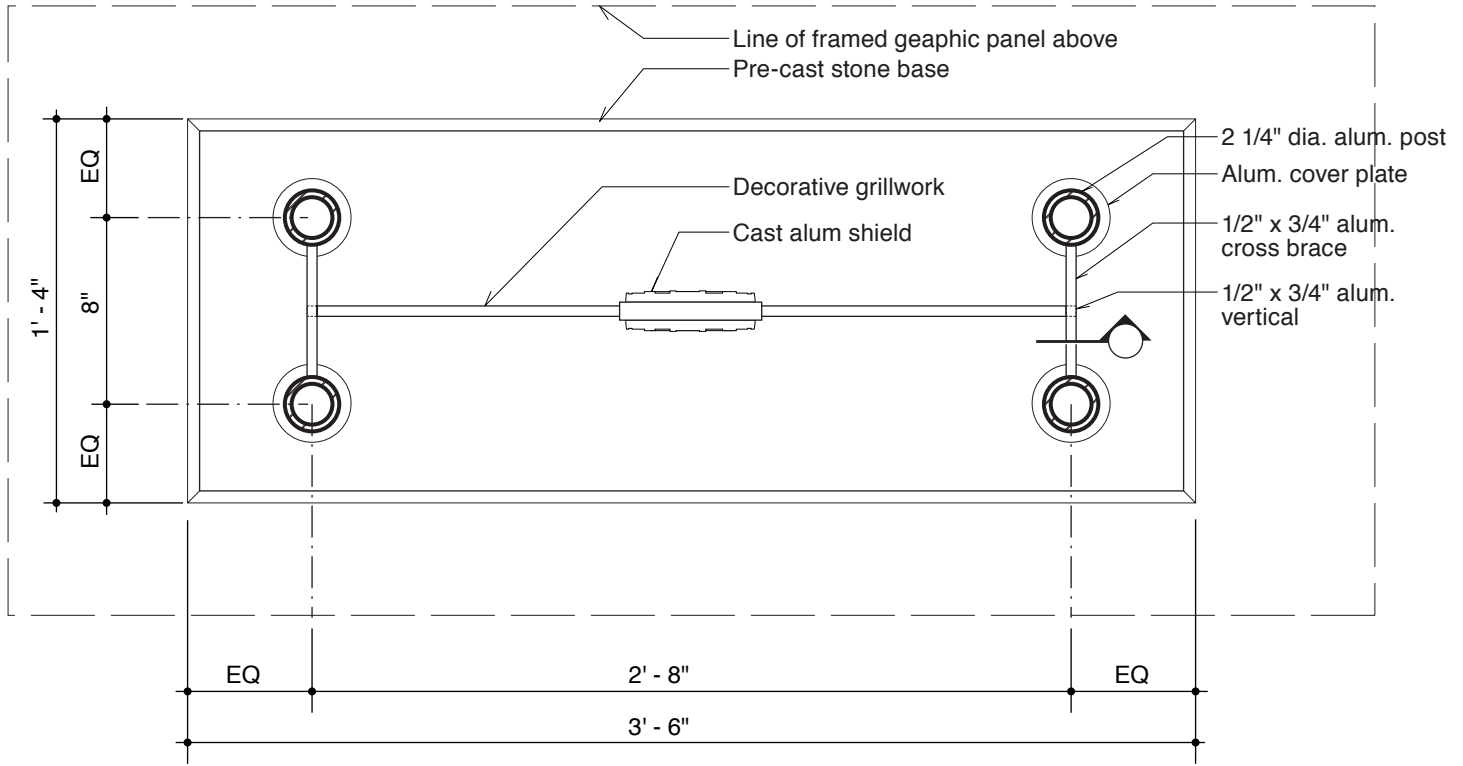


Front View

Scale: 3/4" = 1' - 0"

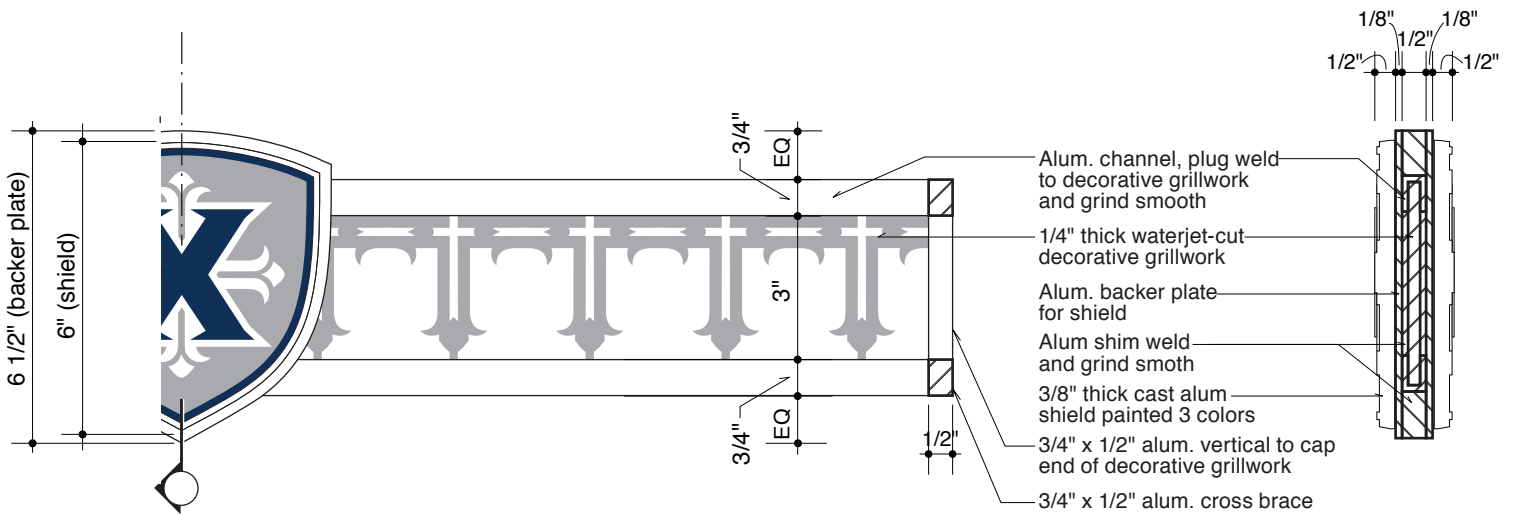
Side View

Scale: 3/4" = 1' - 0"



Plan Section

Scale: 1 1/2" = 1' - 0"

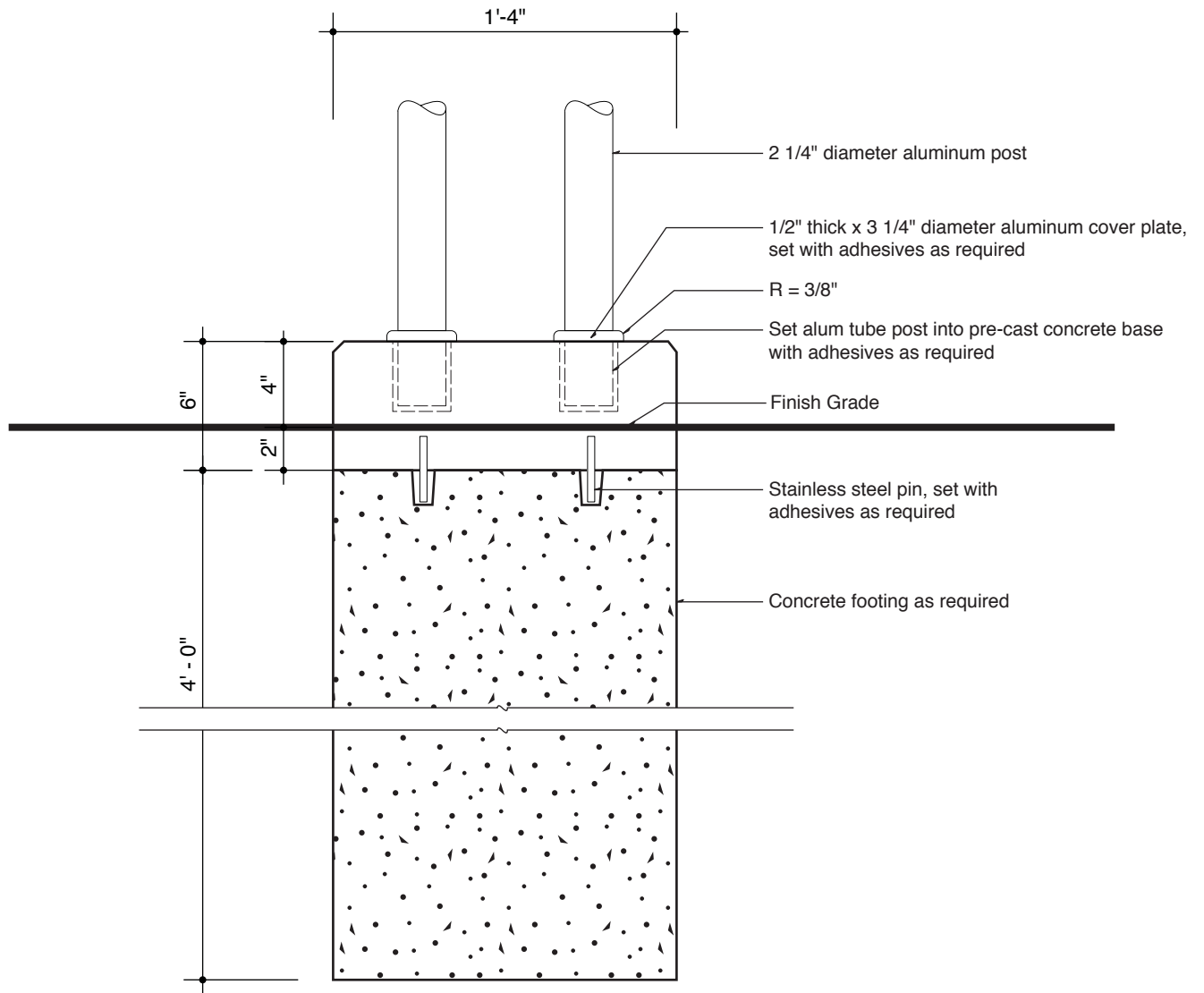


Detail at Decorative Grillwork

Scale: 3" = 1' - 0"

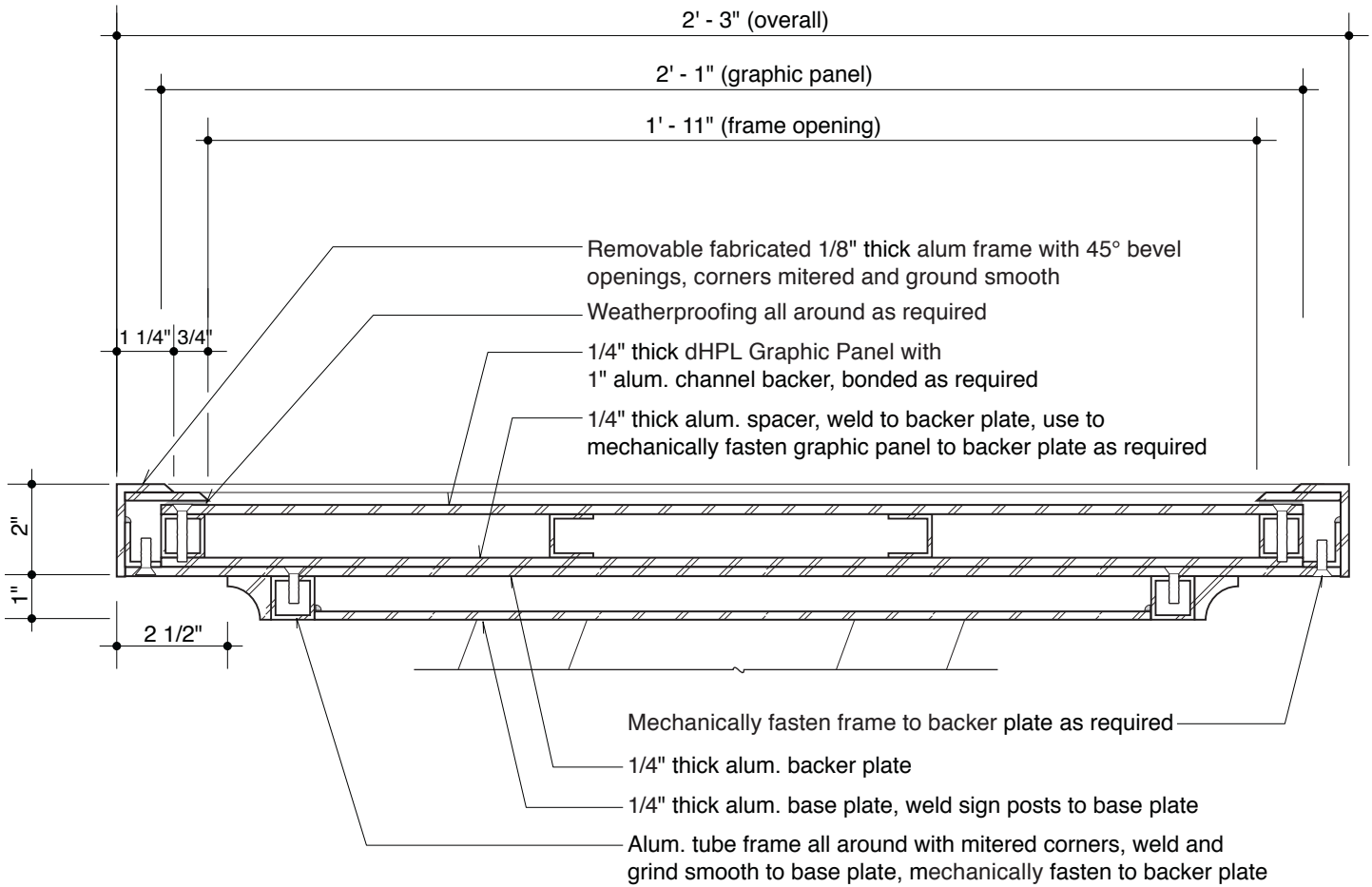
Section at Shield

Scale: 3" = 1' - 0"



Base/Footing Detail

Scale: 1 1/2" = 1' - 0"



Section at Graphic Panel

Scale: 3" = 1' - 0"

Sign Type 123 - Pedestrian Directional, Double Post

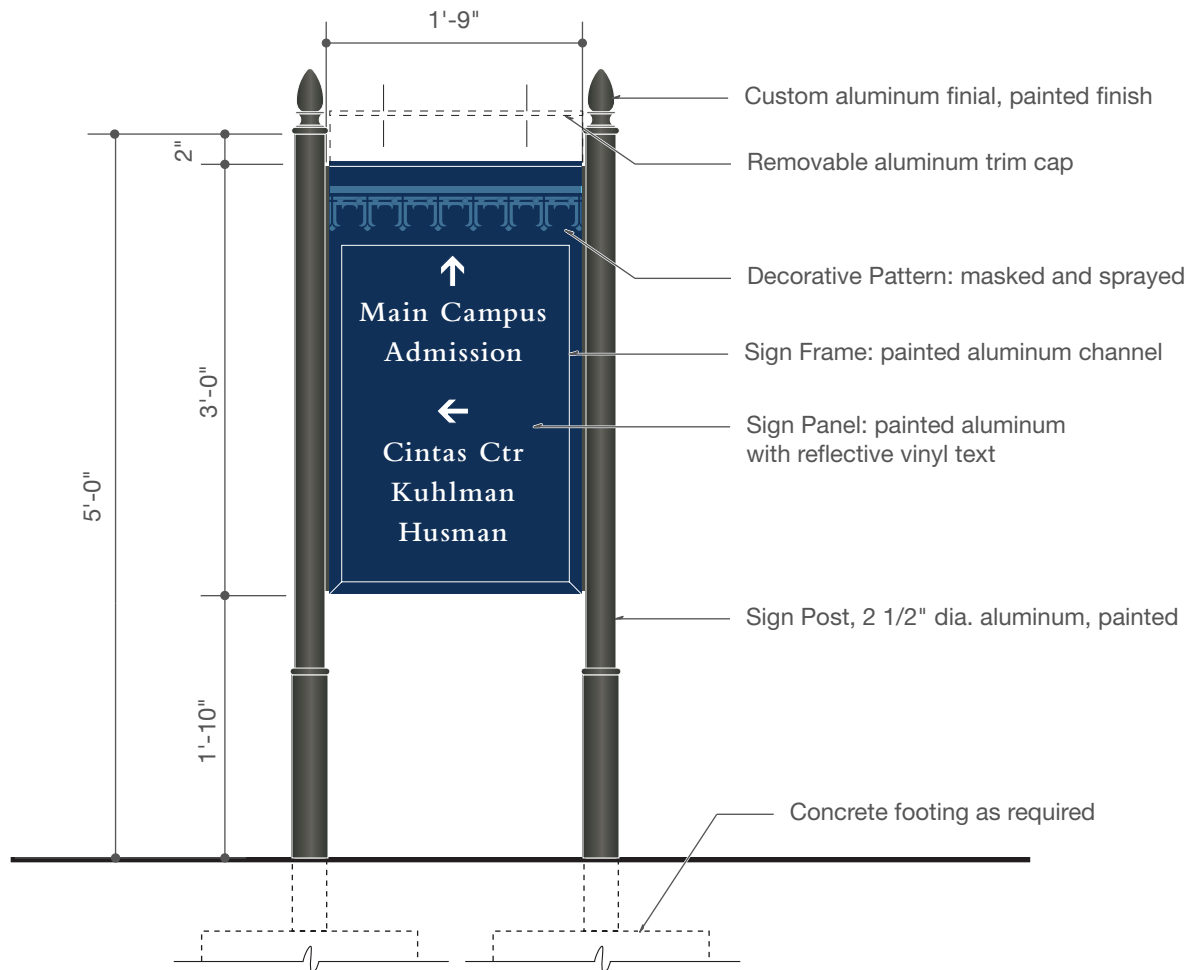
Typestyle: Bembo Semibold

Colors: Sign Post and Finial- Dark Gray
 Sign Panel and Frame- Dark Blue
 Text & Arrow - Reflective White
 Decorative Pattern - Medium Blue

Description: Double sided aluminum sign panel and aluminum posts, painted with masked and sprayed decorative pattern and reflective vinyl text.

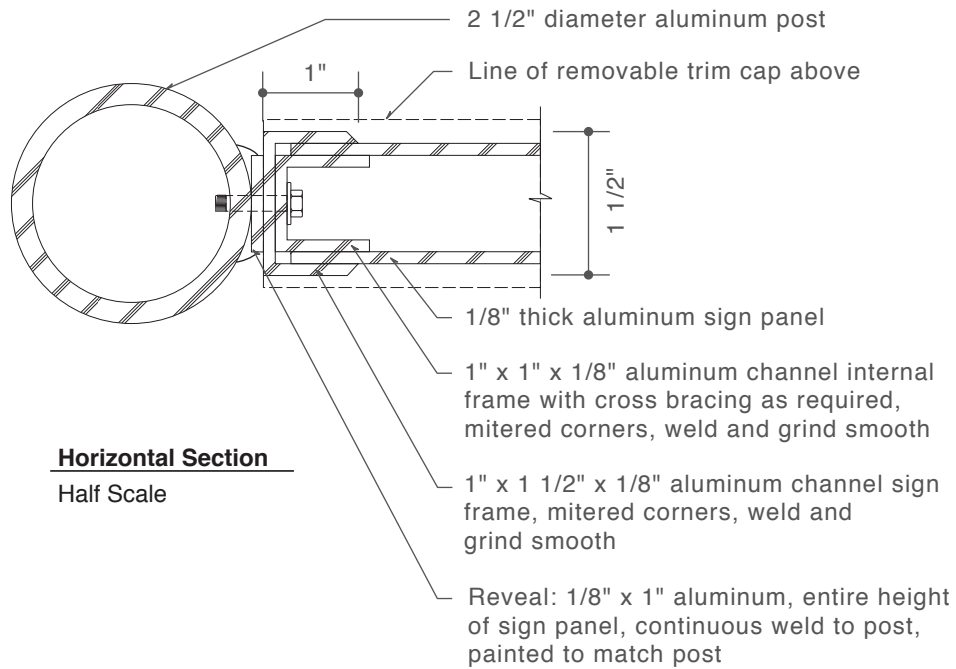
Criteria: This sign is to be used for providing pedestrian directional information at major decision points where site lines are obstructed.

Typically, this is a double-sided sign meant to be read by pedestrians traveling in both directions along a path and should be positioned perpendicular to the path of travel to the right of the dominant direction of travel.

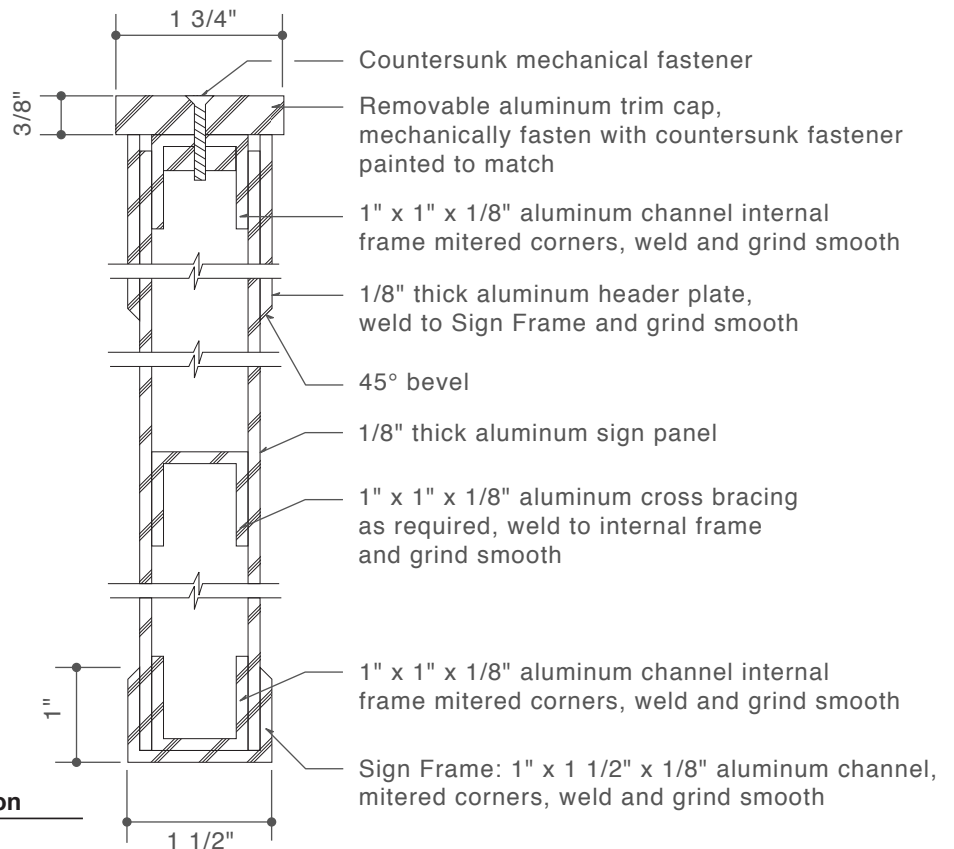


Elevation

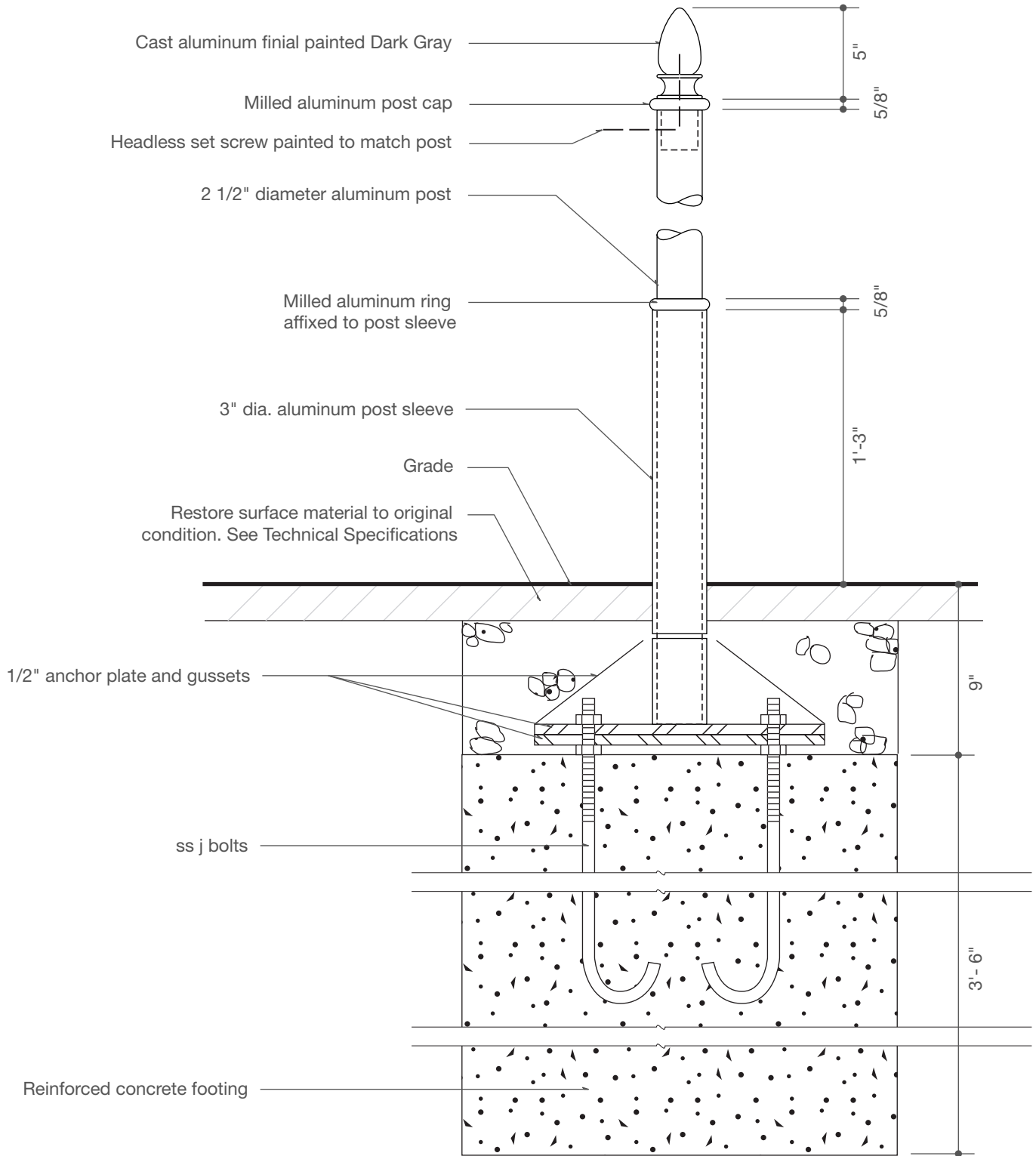
Scale: 3/4" = 1' - 0"



Horizontal Section
 Half Scale

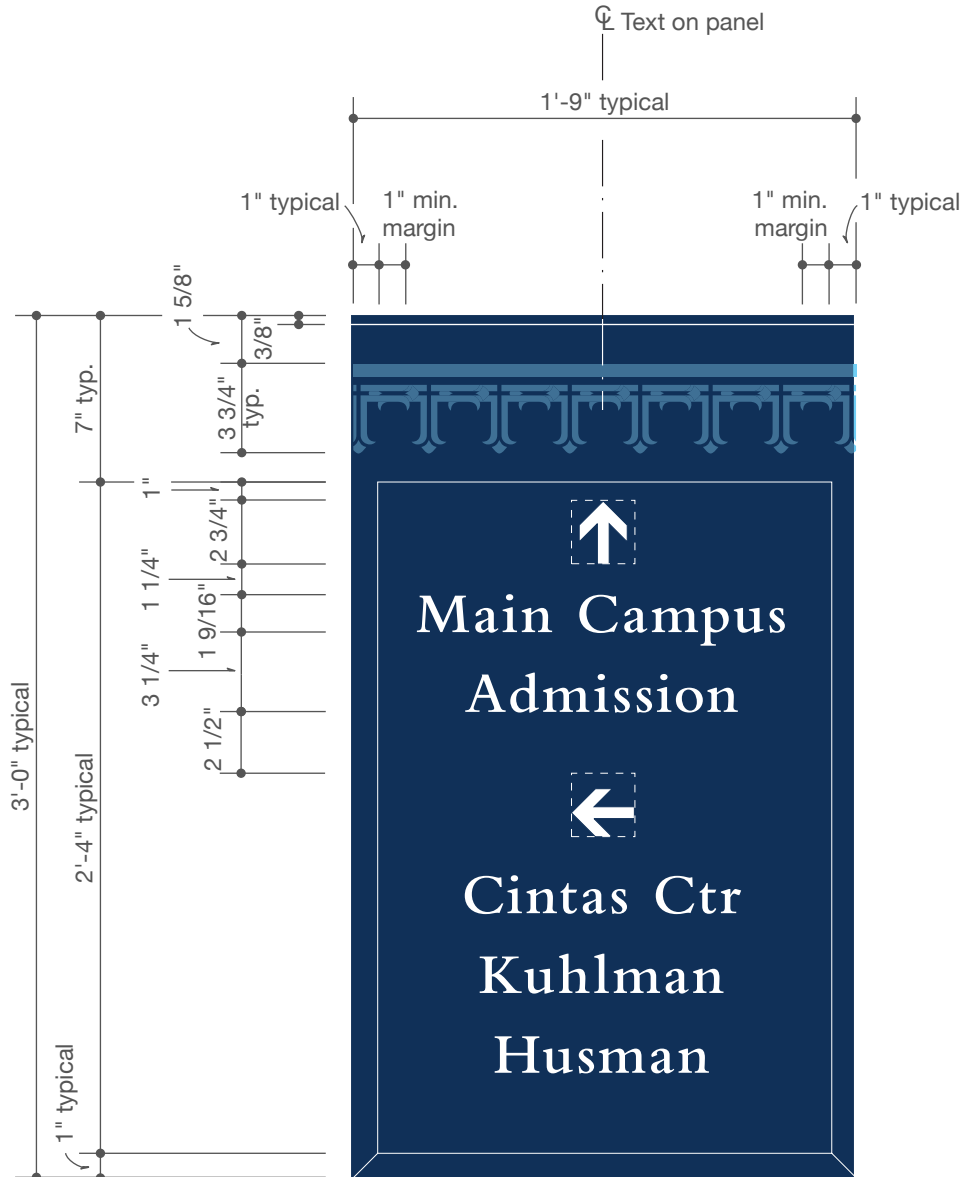


Vertical Section
 Half Scale



Post Cap, Base and Footing Detail

1 1/2" = 1' - 0"



Layout 1

Scale: 1 1/2" = 1' - 0"

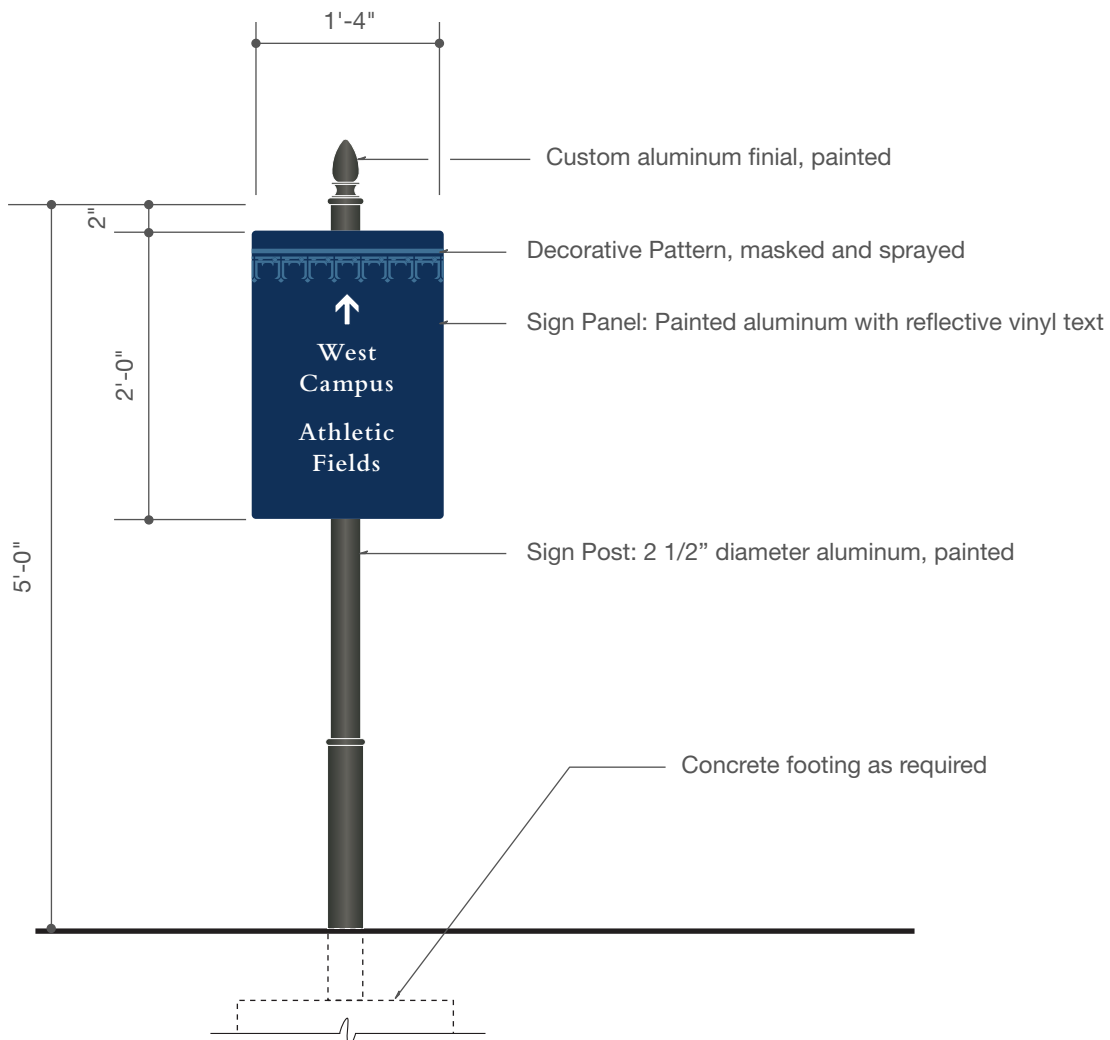
Sign Type 124 - Pedestrian Directional, Single Post

Typestyle: Bembo Semibold

Colors: Sign Post and Finial - Dark Gray
Sign Panel - Dark Blue
Text & Arrow - Reflective White
Decorative Pattern - Medium Blue

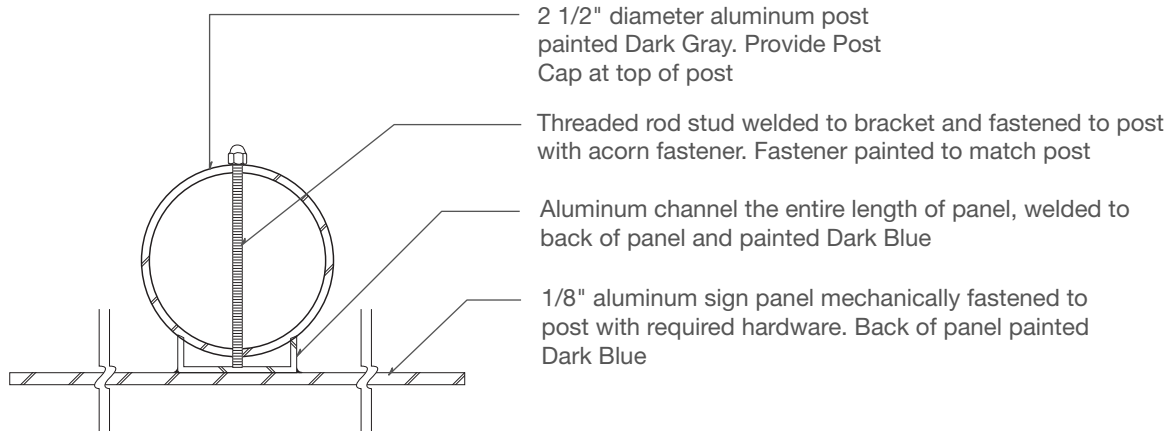
Description: Single sided aluminum sign panel and aluminum post, painted with masked and sprayed decorative pattern and reflective vinyl text.

Criteria: This sign is to be used for providing pedestrian directional information along pathways where limited information.



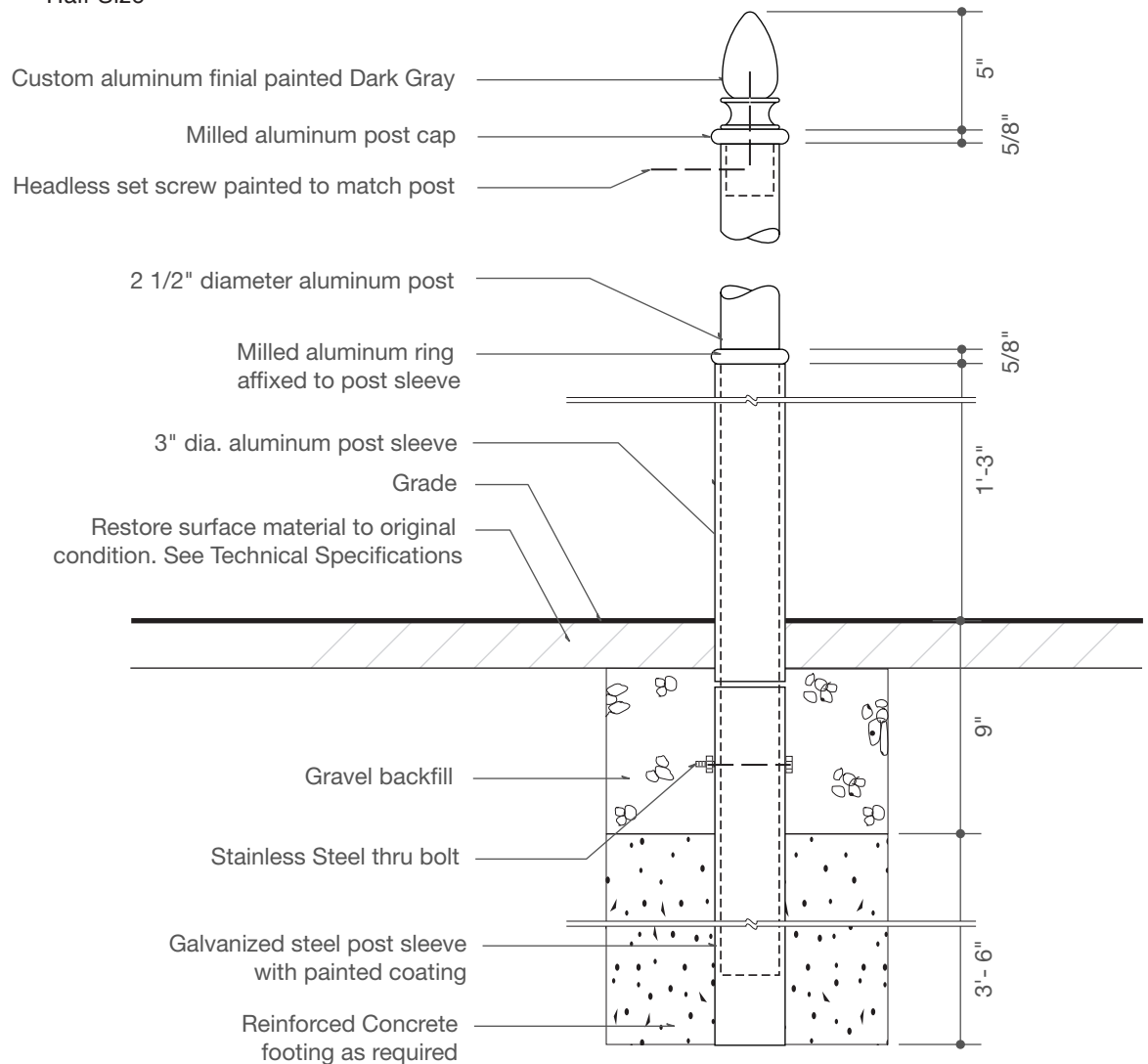
Elevation

Scale: 3/4" = 1' - 0"



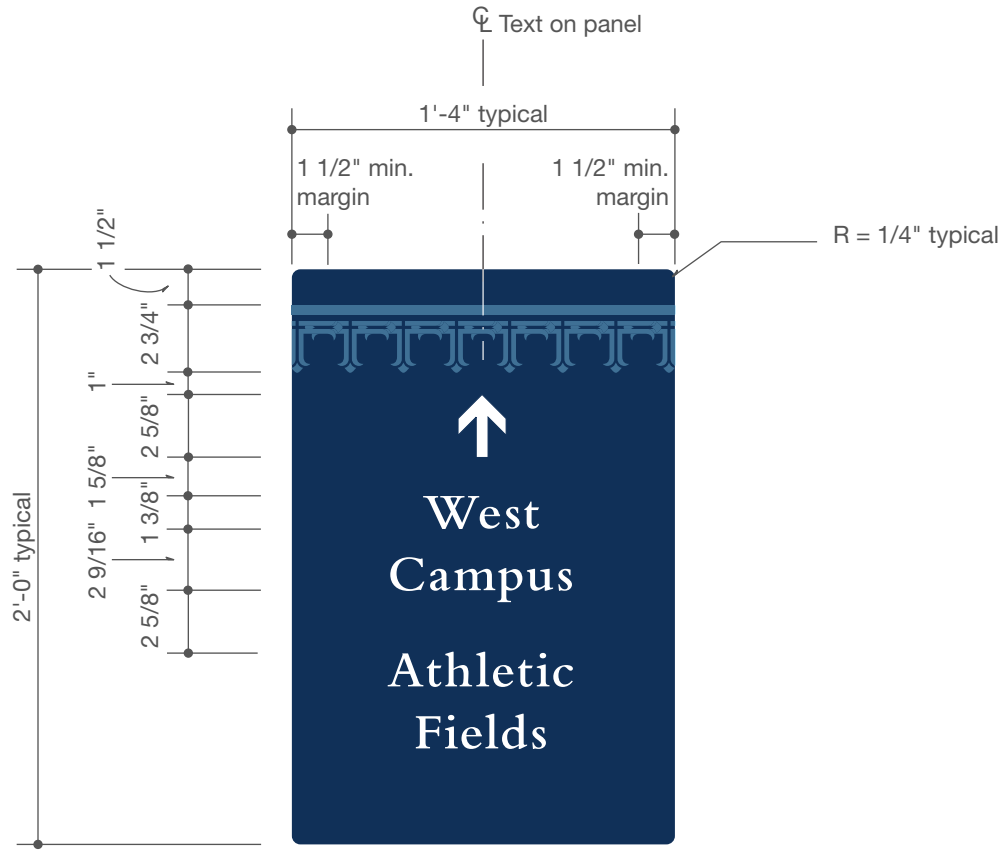
Horizontal Section

Half Size



Post Cap, Base and Footing Detail

1 1/2" = 1' - 0"



Layout 1

Scale: 1 1/2" = 1' - 0"

Sign Type 130 - Freestanding Building ID, Large, Double Post

Typestyle: Bembo Semibold and Frutiger 55 Roman

Criteria: This Sign is used for identifying major destinations along the campus perimeter or along streets with higher speed. Typically this sign should be installed perpendicular to the main road and is double-sided, unless otherwise noted.

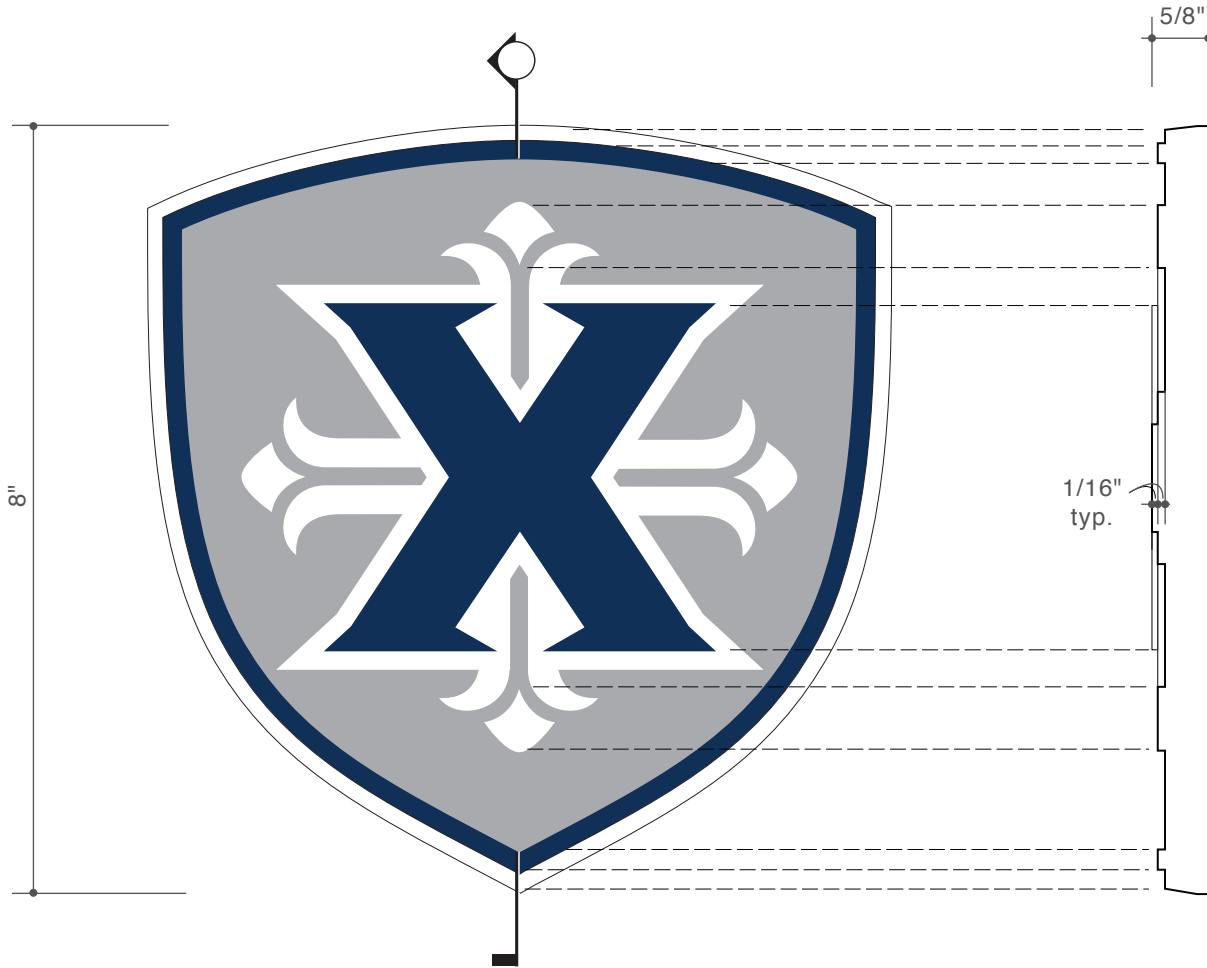
Colors: Sign Posts and Finials - Dark Gray
 Sign Panel and Frame- Dark Blue
 Text - Reflective White
 Decorative Pattern - Medium Blue
 Shield - 3 Colors as noted in Graphic Standards

Final locations are to be determined in the field.

Description: Double sided aluminum sign panel and aluminum posts, painted with masked and sprayed decorative pattern and reflective vinyl text.


Elevation

Scale: 3/4" = 1' - 0"

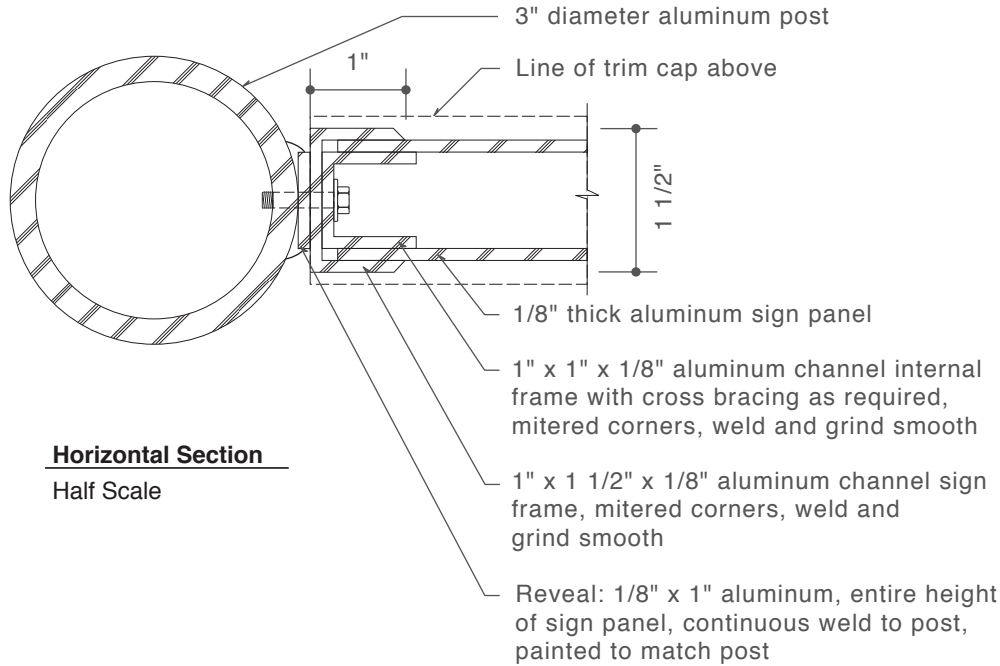


Cast Aluminum Shield - Detail

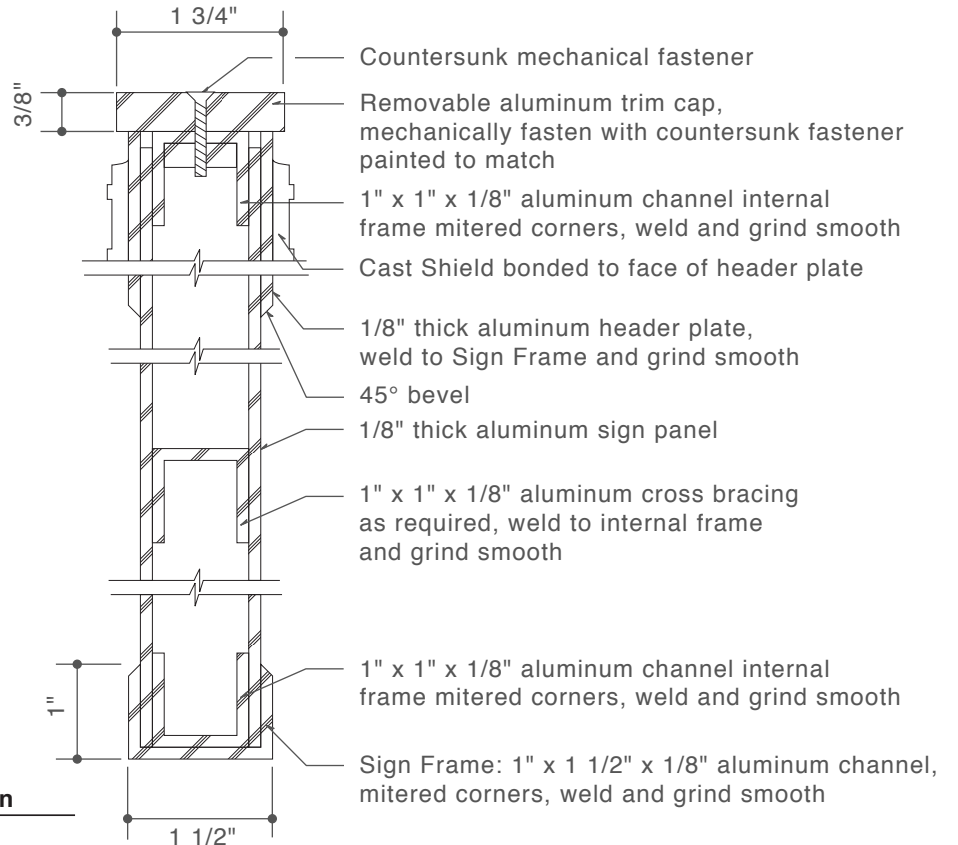
Scale: Half Full

Cast Aluminum Shield - Vertical Section

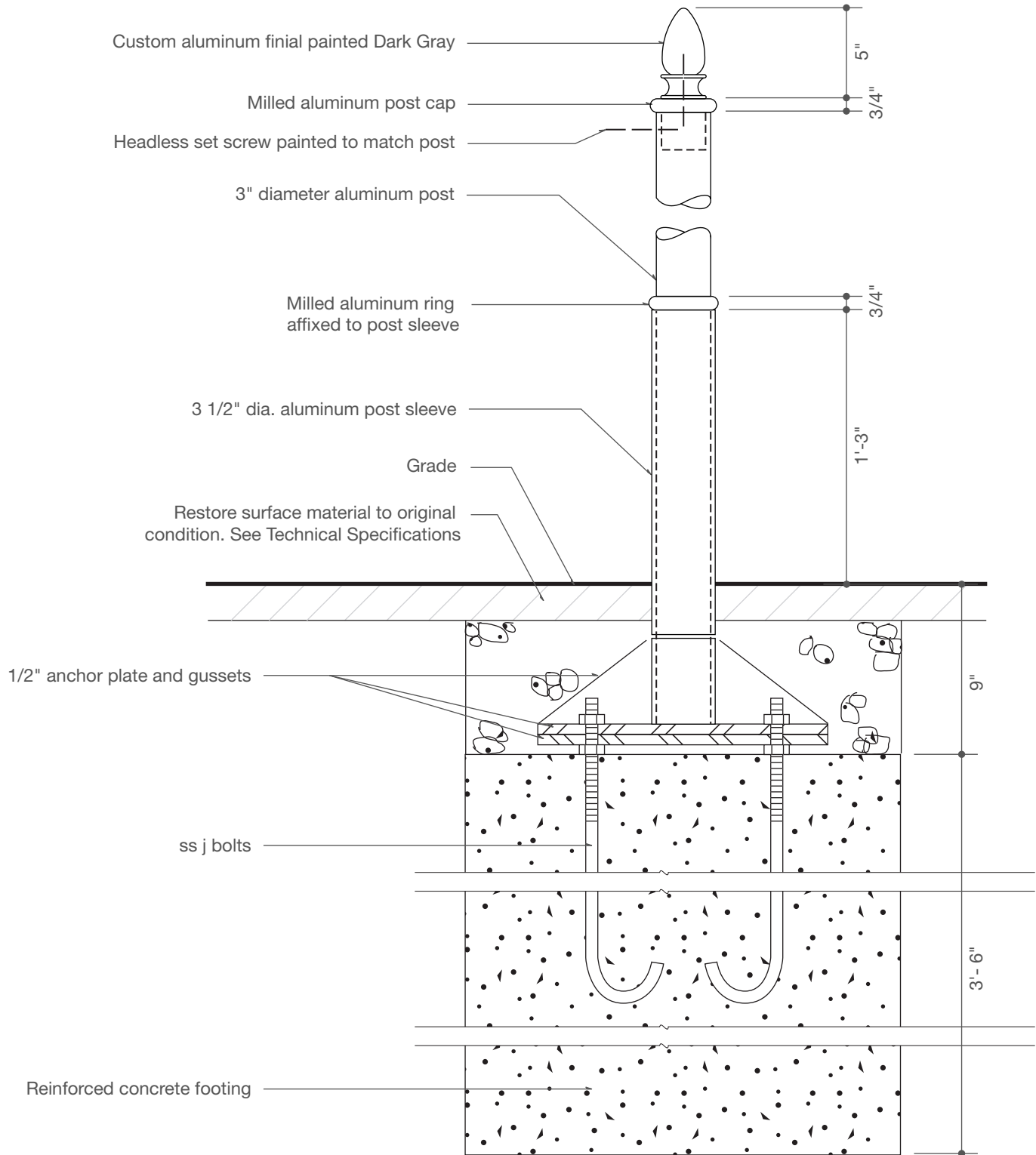
Scale: Half Full



Horizontal Section
Half Scale



Vertical Section
Half Scale



Post Cap, Base and Footing Detail

1 1/2" = 1' - 0"



Layout 1 - Single Line

Scale: 3/4" = 1' - 0"



Layout 2 - Two Lines

Scale: 3/4" = 1' - 0"

Sign Type 131 - Freestanding Building ID, Large, Single Post

Typestyle: Bembo Semibold, Frutiger 55 Roman

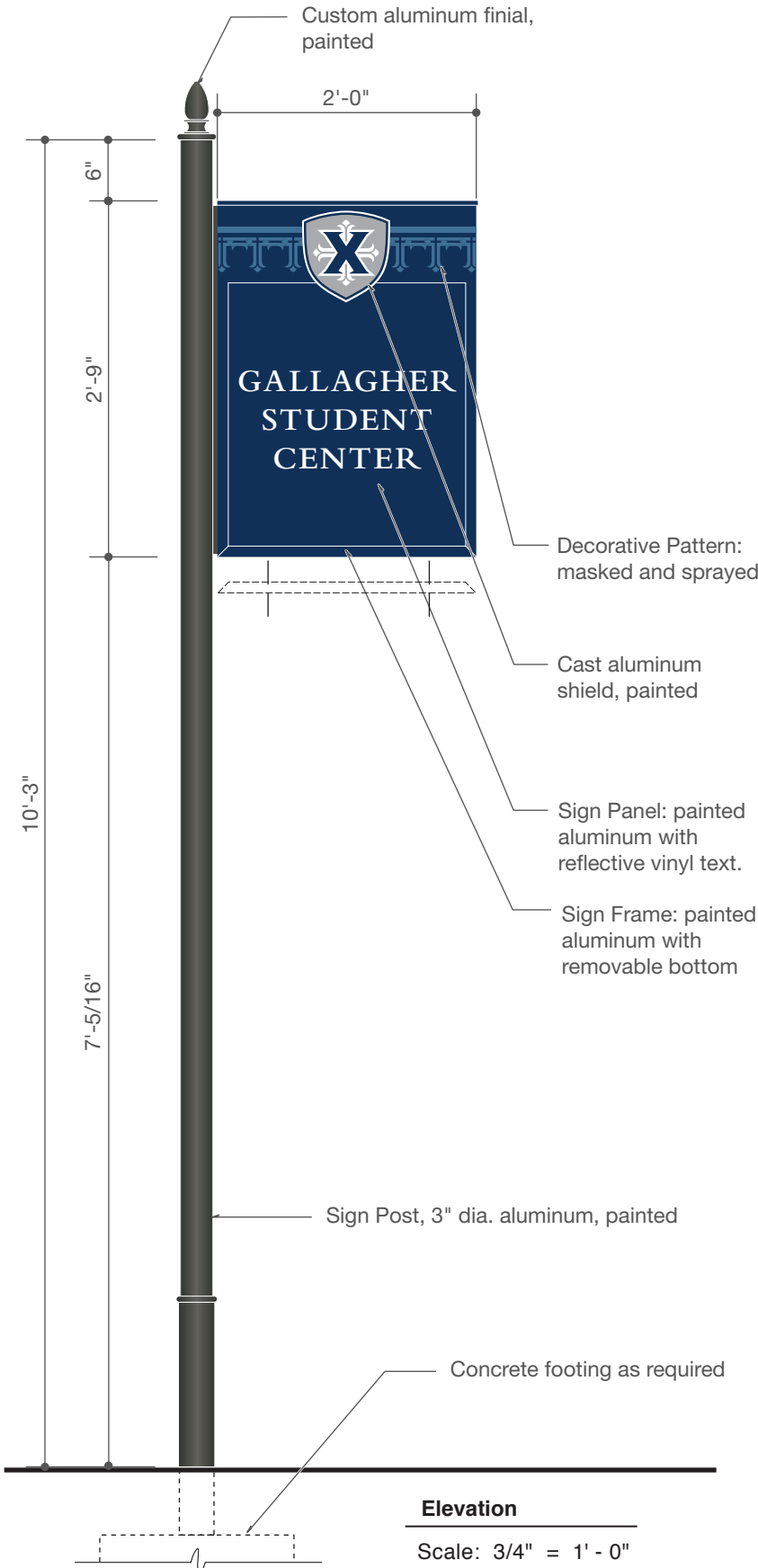
Colors: Sign Post and Finial - Dark Gray
 Sign Panel and Frame - Dark Blue
 Text - Reflective White
 Decorative Pattern - Medium Blue
 Shield - 3 colors as noted in the Graphic Standards

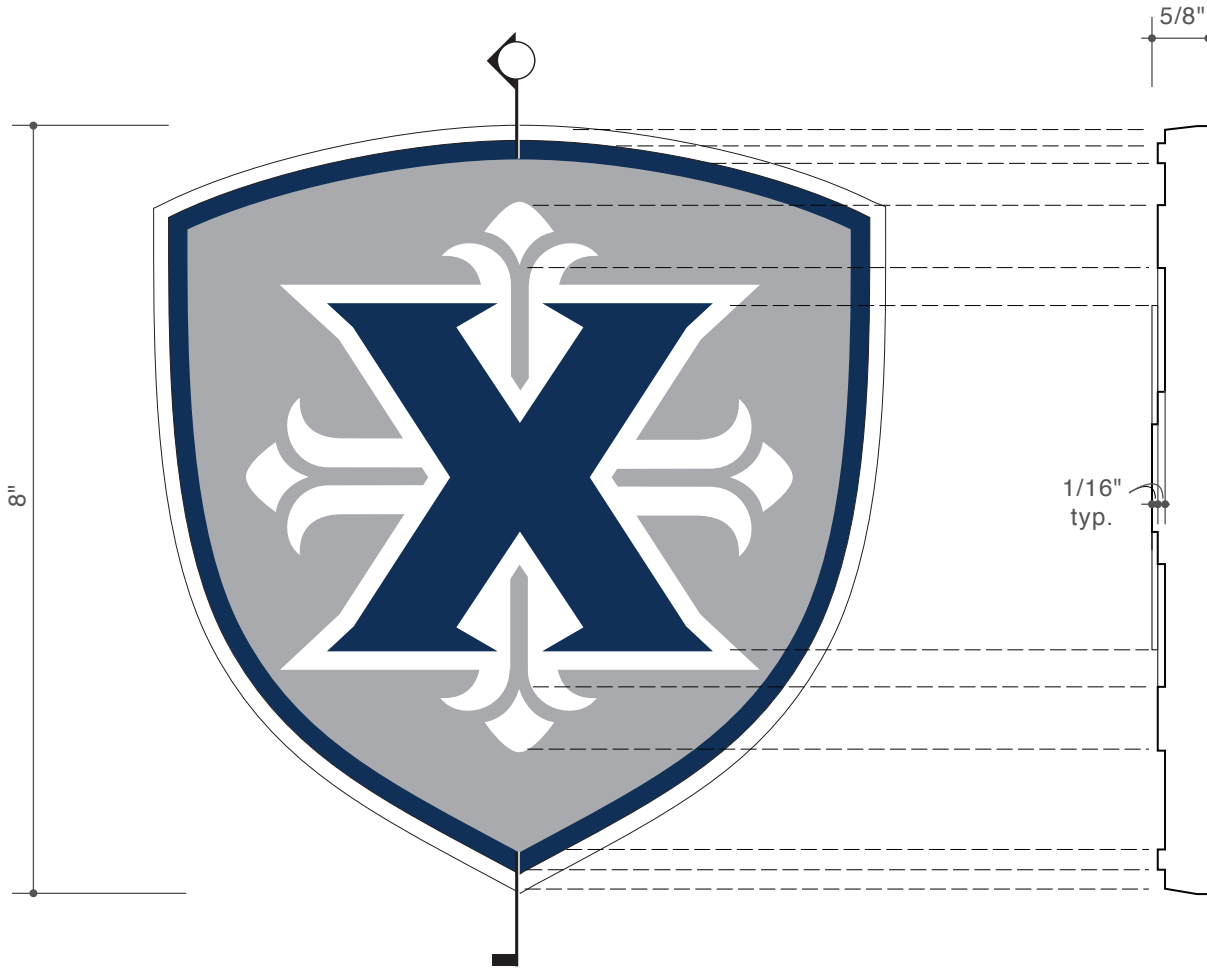
Description: Double sided aluminum sign panel and aluminum posts, painted with masked and sprayed decorative pattern and reflective vinyl text.

Criteria: This sign is used for the identification of buildings where site lines may be obstructed by landscaping or parked cars.

Freestanding identification signs are typically used for buildings that have a significant first time visitor function or event component.

This sign is most often mounted perpendicular to the face of the building or pathway leading to the entry.



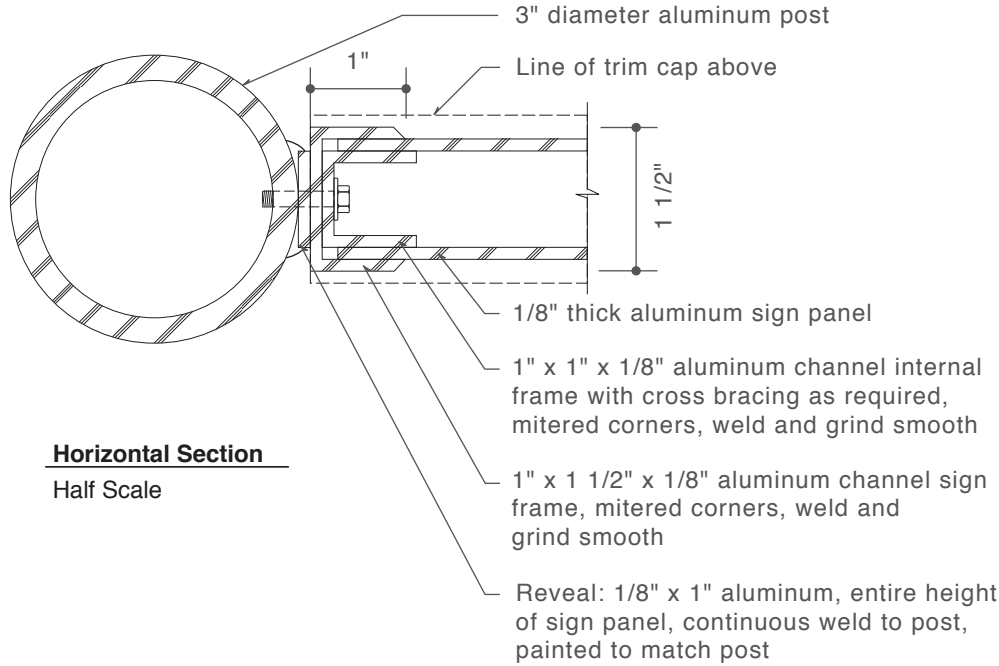


Cast Aluminum Shield - Detail

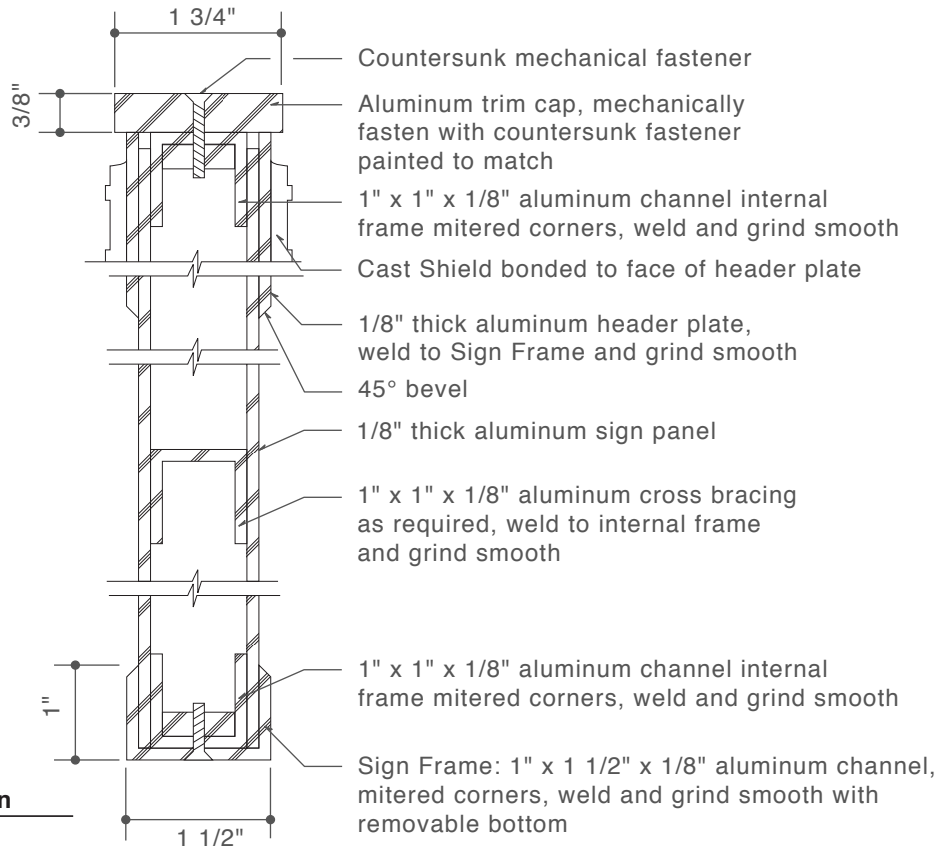
Scale: Half Full

Cast Aluminum Shield - Vertical Section

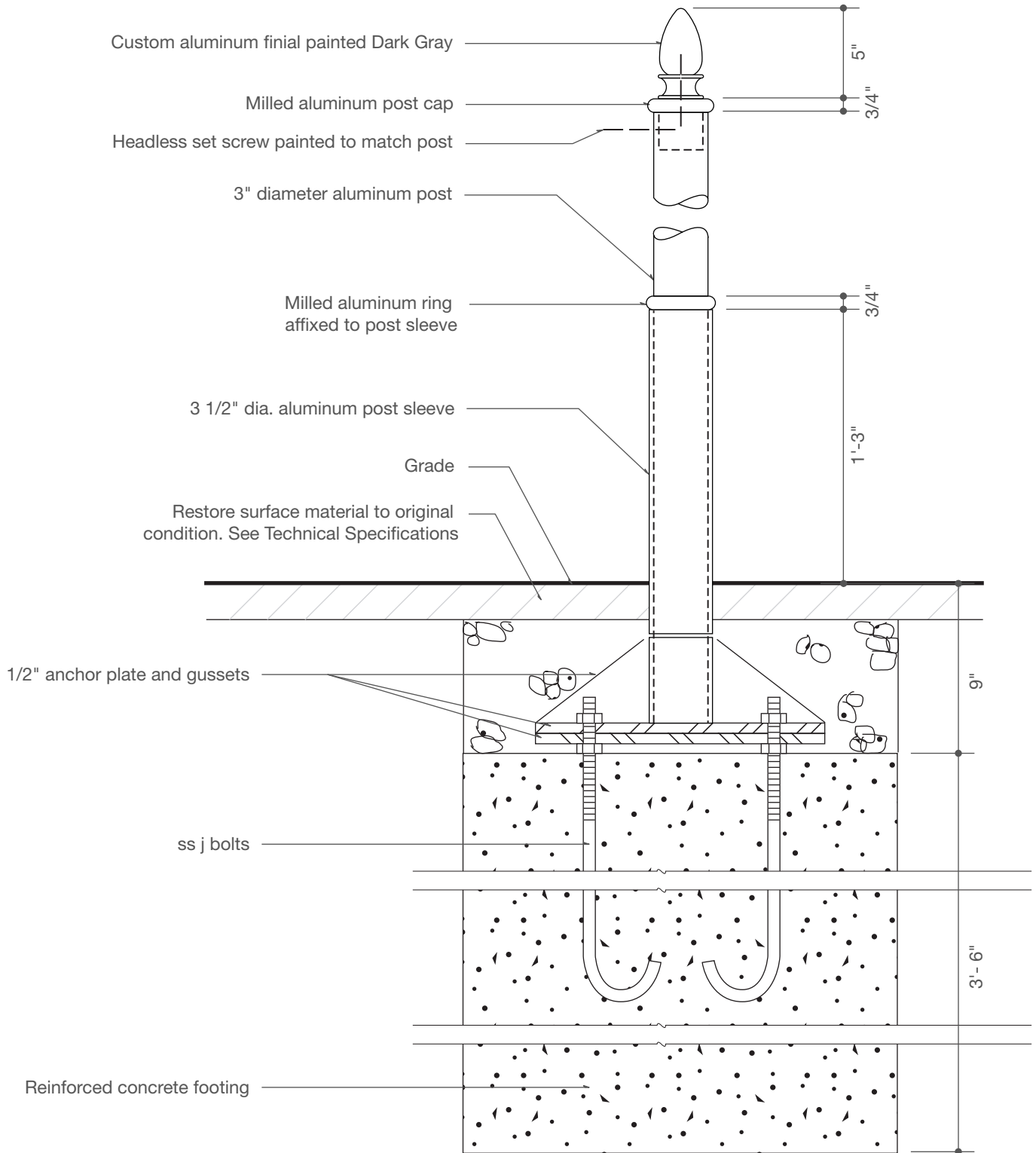
Scale: Half Full



Horizontal Section
 Half Scale

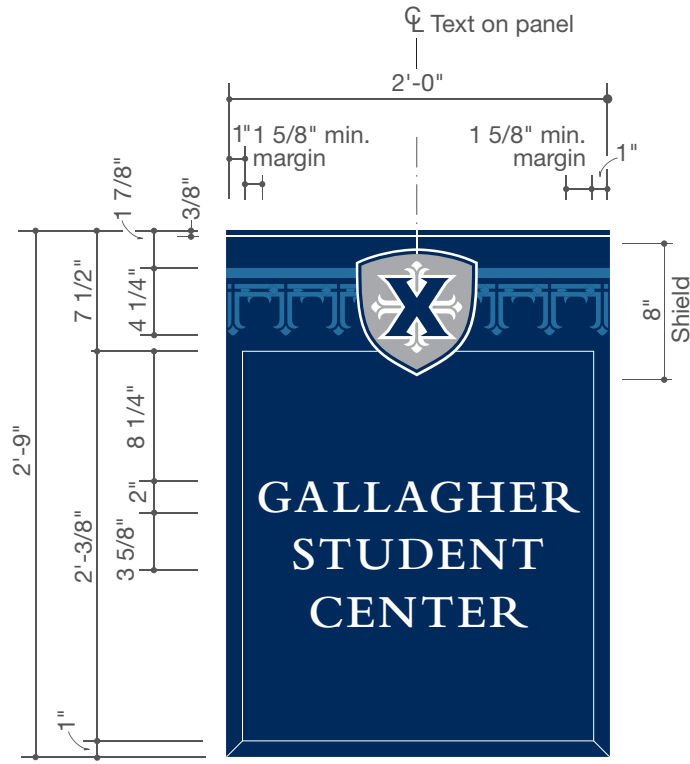


Vertical Section
 Half Scale



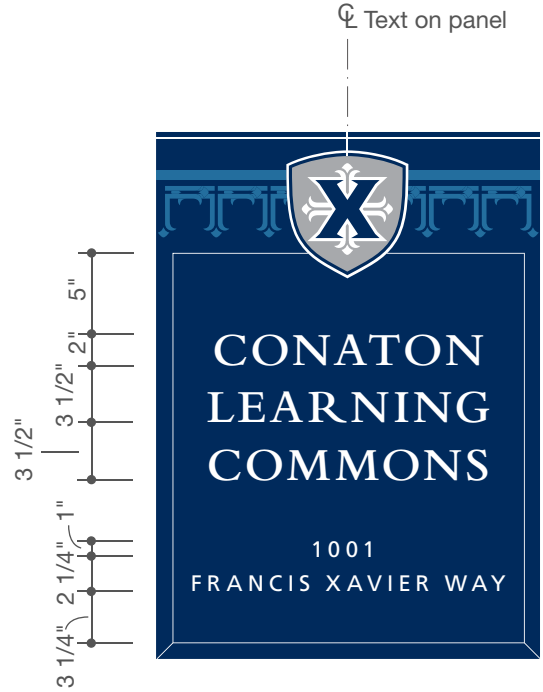
Post Cap, Base and Footing Detail

1 1/2" = 1' - 0"



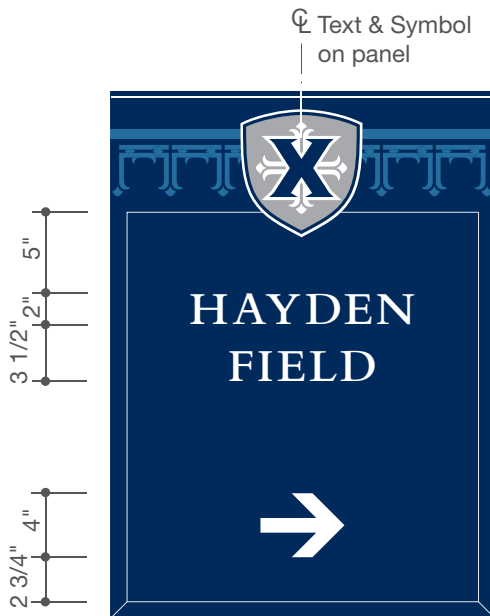
Layout 1

Scale: 1" = 1' - 0"



Layout 2

Scale: 1" = 1' - 0"



Layout 3

Scale: 1" = 1' - 0"

Sign Type 132 - Freestanding Building ID, Large, Double Post

Typestyle: Bembo Semibold and Frutiger 55 Roman

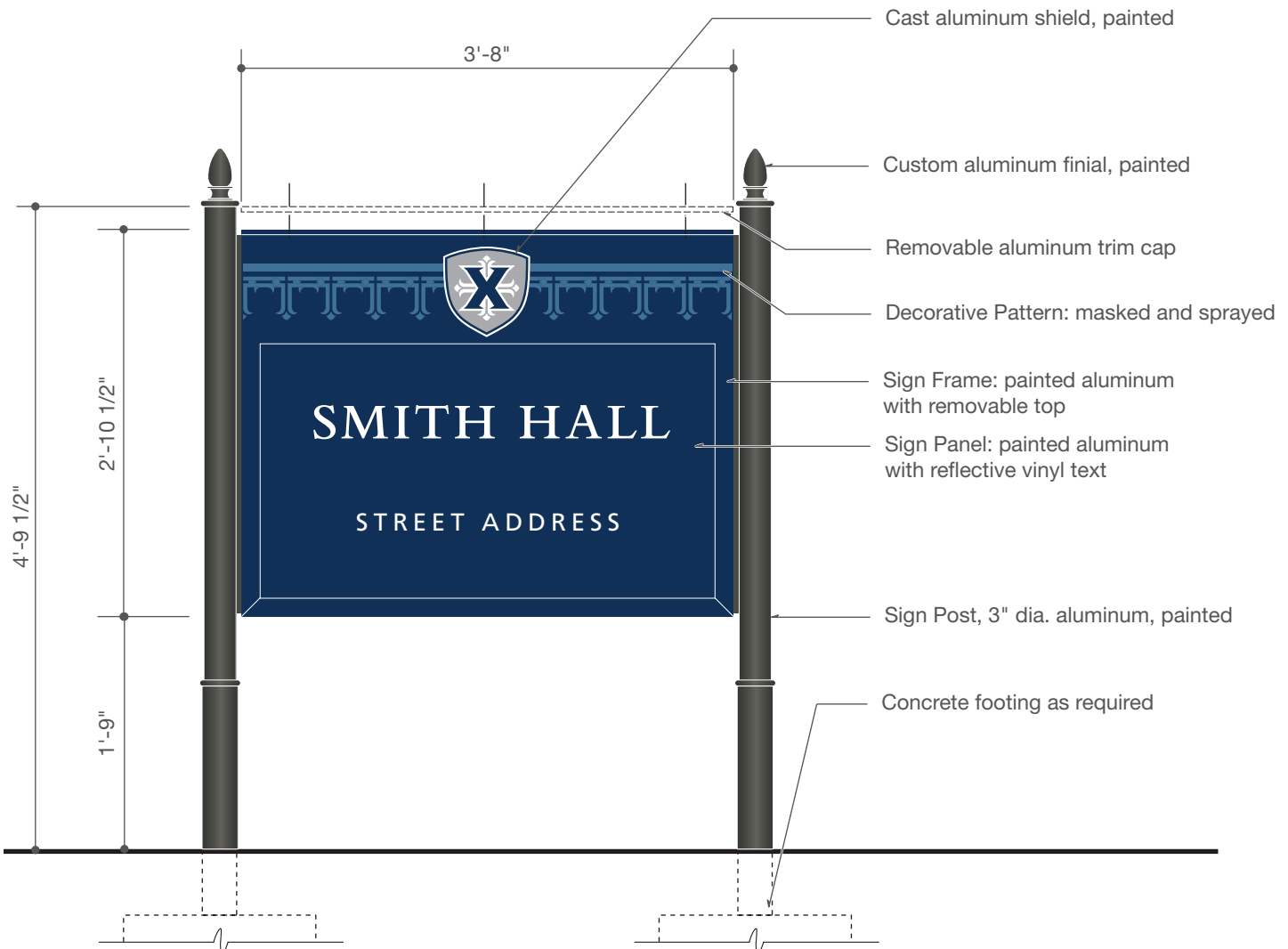
Colors: Sign Posts and Finials - Dark Gray
 Sign Panel and Frame- Dark Blue
 Text - Reflective White
 Decorative Pattern - Medium Blue
 Shield - 3 Colors as noted in Graphic Standards

Description: Double sided aluminum sign panel and aluminum posts, painted with masked and sprayed decorative pattern and reflective vinyl text.

Criteria: There are two primary functions for this sign. The first is for the identification of buildings in areas of campus that are accessible primarily by pedestrian paths and which have a significant student or first-time visitor function. The second is for secondary buildings along the perimeter or outlying areas of campus that do not serve a significant student or visitor population.

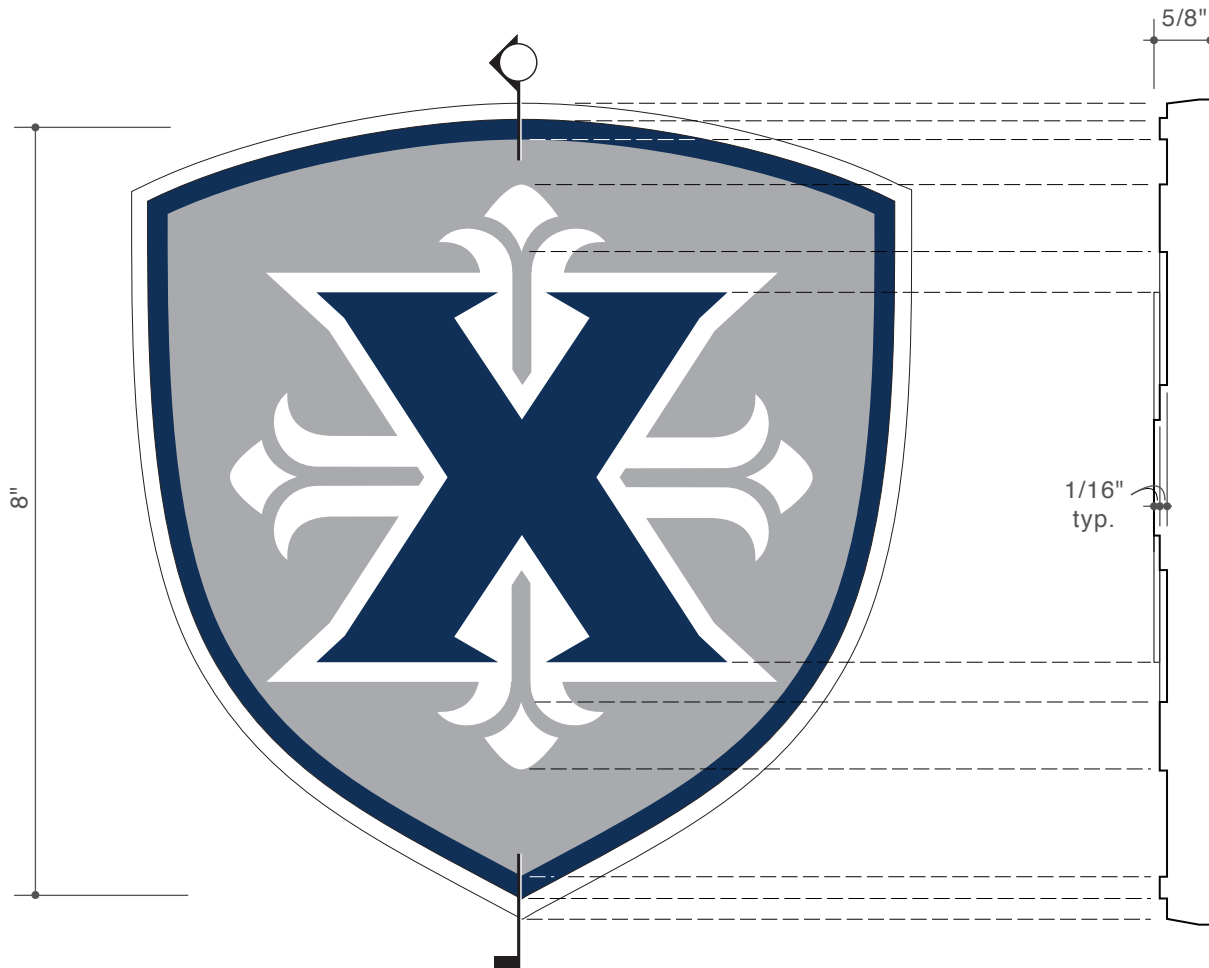
Signs should be mounted parallel to the face of the building and to one side of the entry or path.

These signs are primarily single sided but can be adapted for a double sided application if necessary, perpendicular to the path of travel.



Elevation

Scale: 3/4" = 1' - 0"

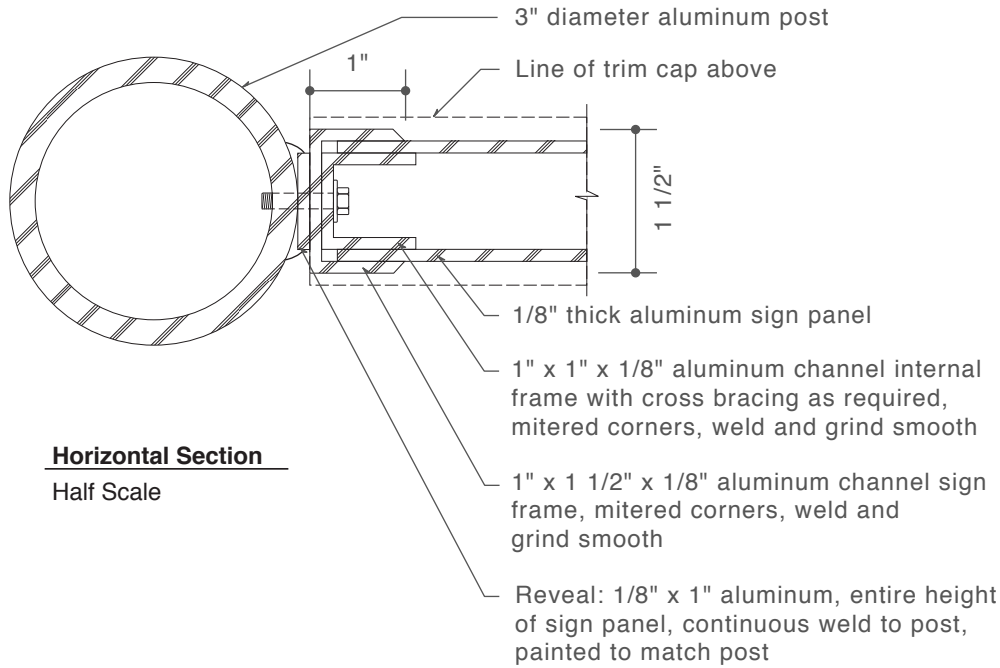


Cast Aluminum Shield - Detail

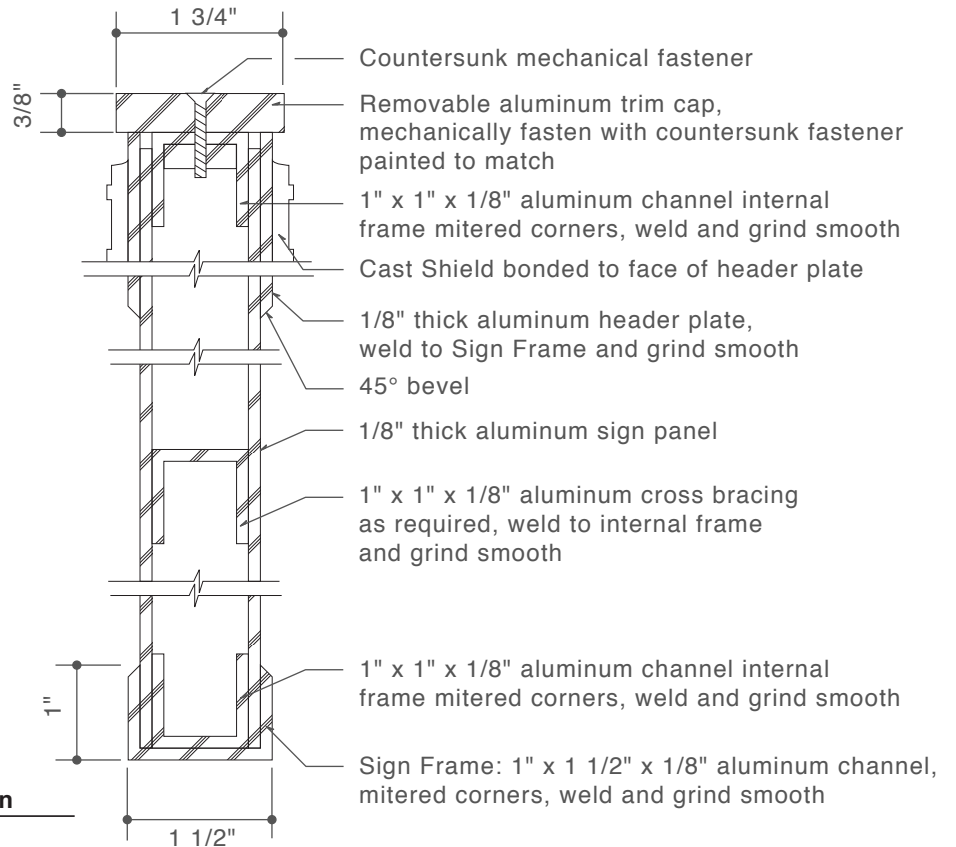
Scale: Half Full

Cast Aluminum Shield - Vertical Section

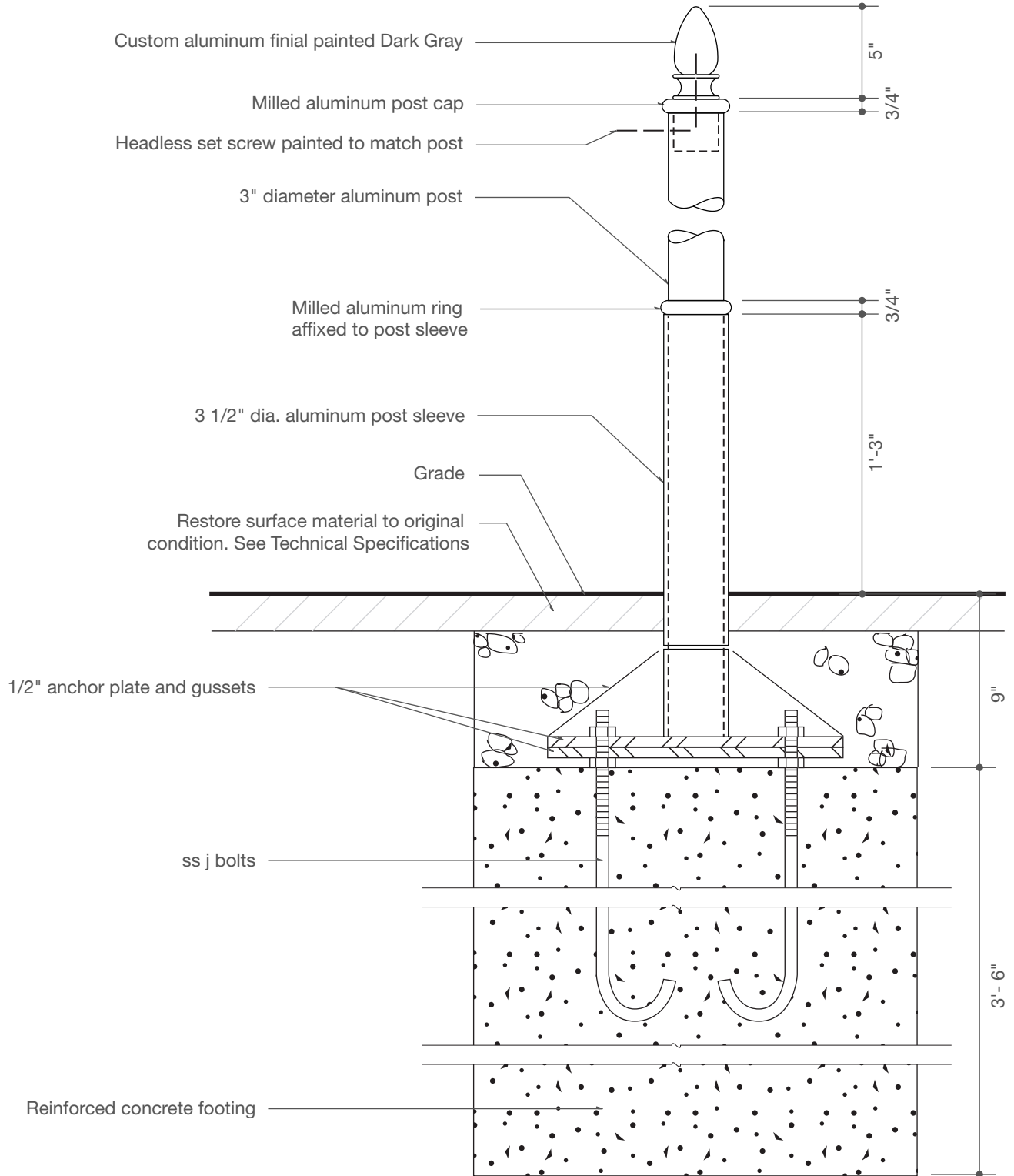
Scale: Half Full



Horizontal Section
Half Scale

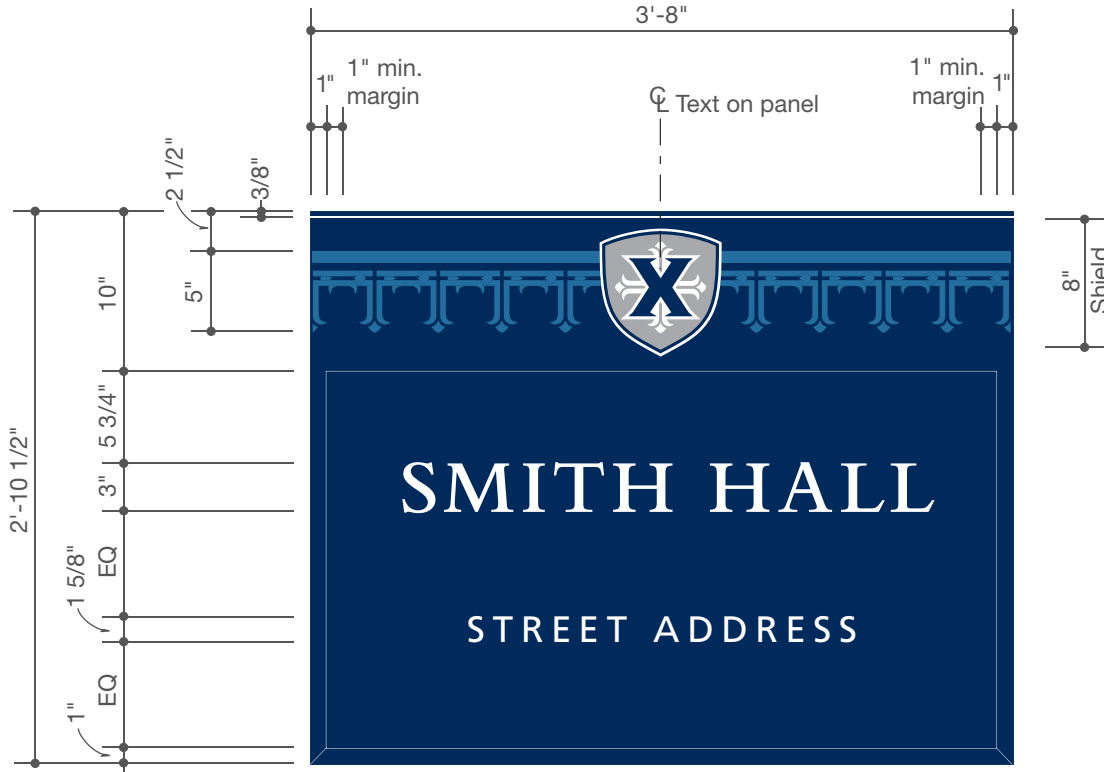


Vertical Section
Half Scale



Post Cap, Base and Footing Detail

1 1/2" = 1' - 0"



Layout 1 - Single Line

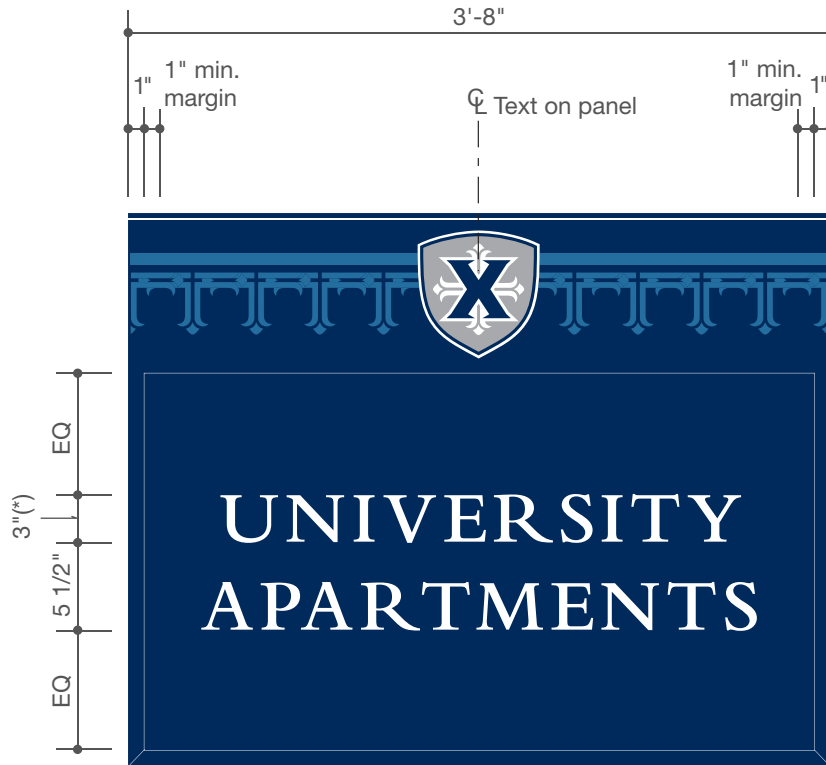
Scale: 1" = 1' - 0"



Layout 2 - Two Lines

Scale: 1" = 1' - 0"

(*) Note: Decrease text height in 1/8" increments down from 3" when necessary for copy-fitting purposes.



(*) Note: Decrease text height in 1/8" increments down from 3" when necessary for copy-fitting purposes.

Layout 3 - No Address

Scale: 1" = 1' - 0"

Sign Type 133A - Building ID Plaque, Large

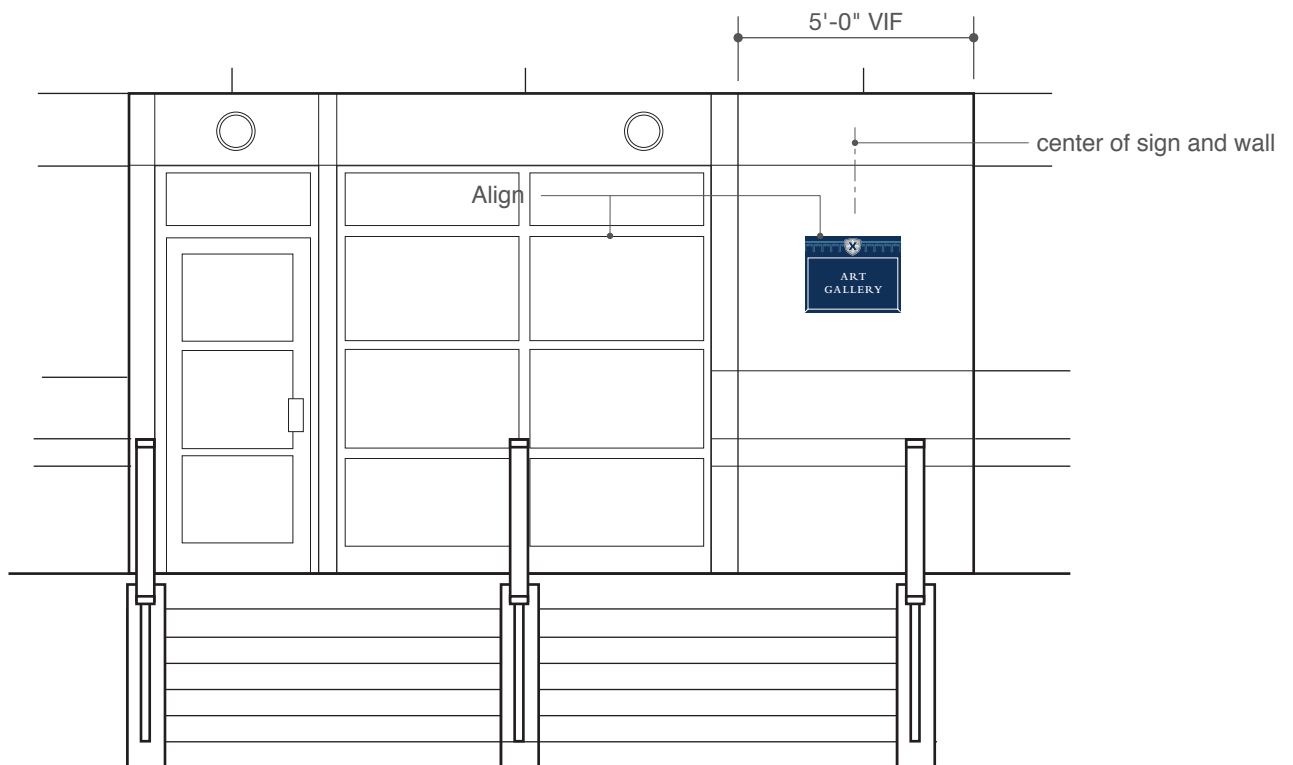
Typestyle: Bembo Semibold and Frutiger 55 Roman

Colors: Sign Panel and Frame- Dark Blue
Text - White
Decorative Pattern - Medium Blue
Shield - 3 Colors as noted in Graphic Standards

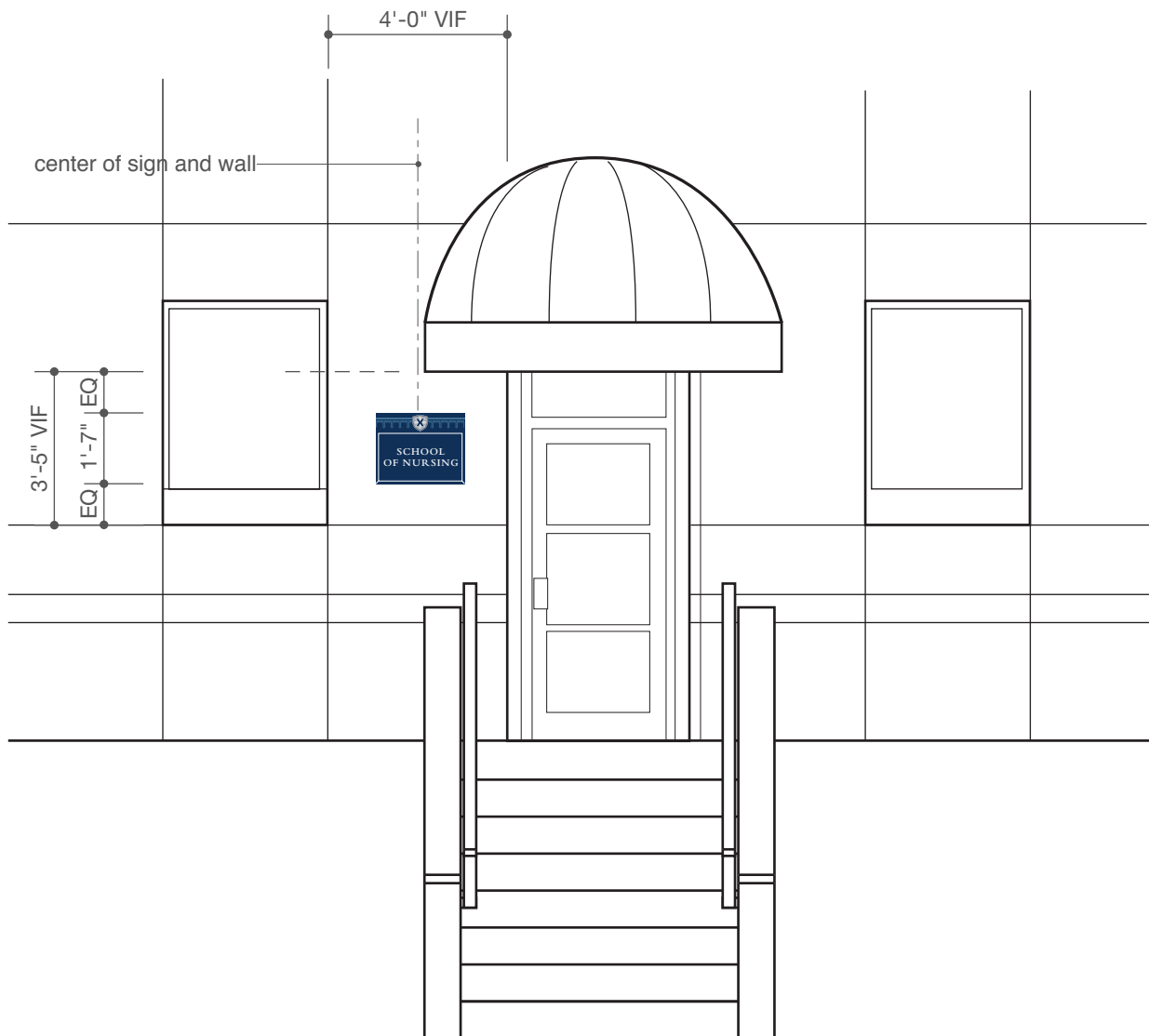
Description: Single sided aluminum plaque, painted with masked and sprayed decorative pattern and white text, mounted to building by entrance.

Criteria: Building plaques are to be used for identifying major buildings at secondary entrances, small scale academic buildings and residences, and separate entrances that service major destinations.

Signs are mounted to the building fascia adjacent to the entrance. The mounting height and position should adhere to the standards but may require adjustment based on field conditions and architectural features.

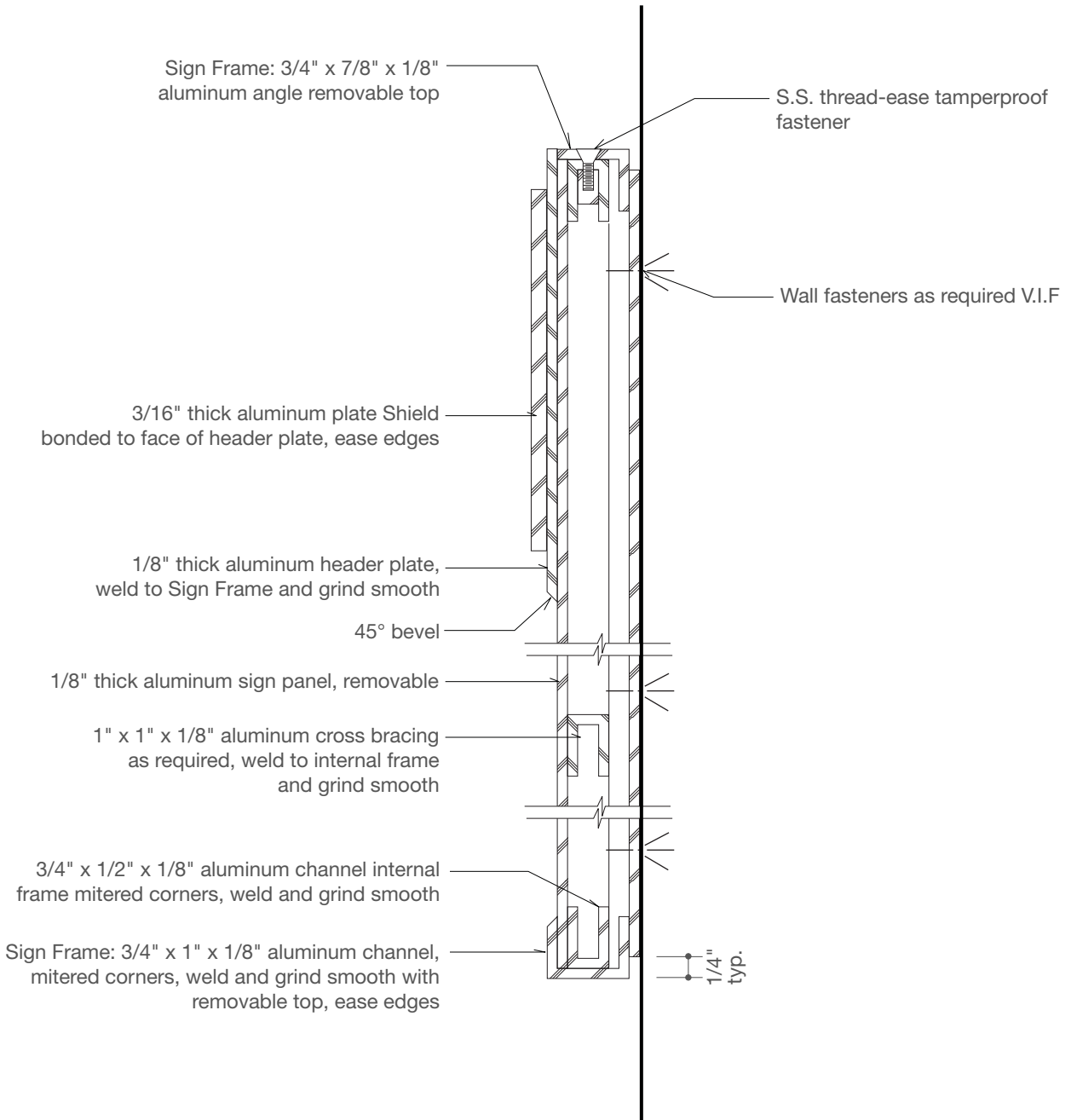
**Elevation 1**

Scale: 1/4" = 1' - 0"



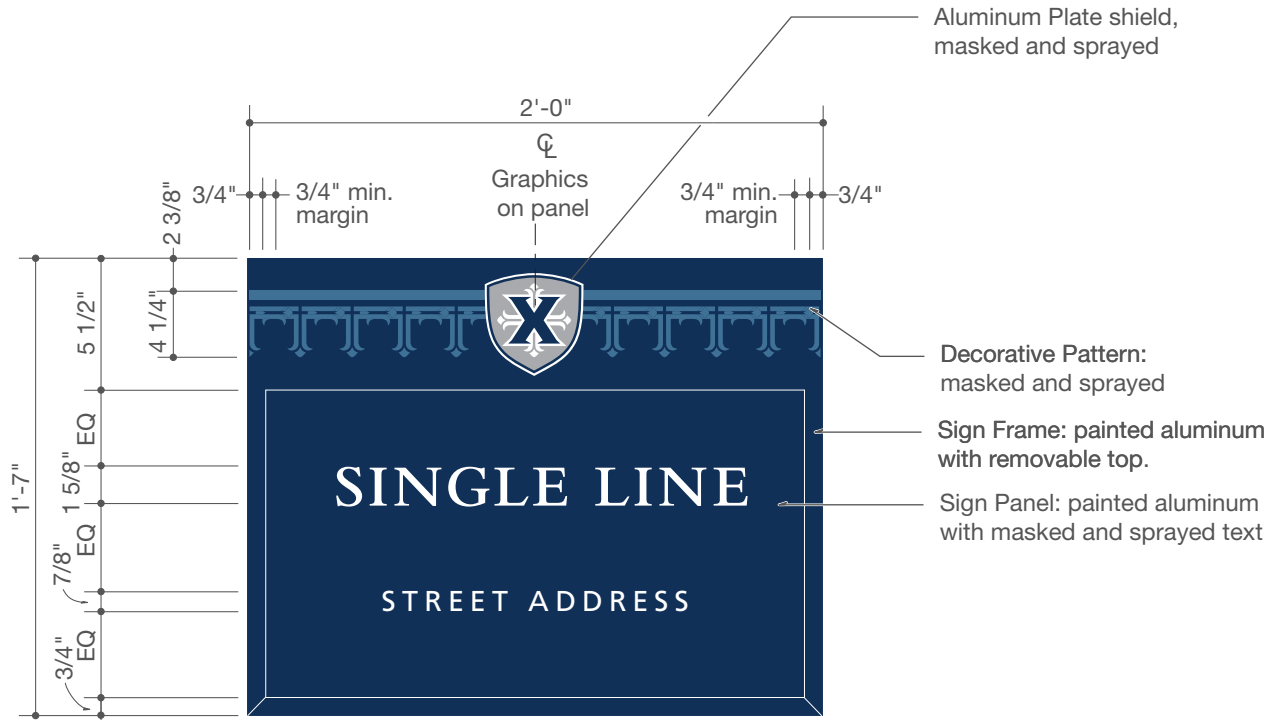
Elevation 2

Scale: 1/4" = 1' - 0"



Vertical Section

Scale: Half Size



Layout 1 - Single Line with Address

Scale: 1 1/2" = 1' - 0"



Layout 2 - Double Line with Address

Scale: 1 1/2" = 1' - 0"



Layout 3 - No Address

Scale: 1 1/2" = 1' - 0"

Letter height varies from 7 1/2" to 10"
 See Location Elevations for size.

Letter height shall be determined
 in relation to the scale of the location.



Layout

Scale: N.T.S.

Sign Type 135A - Building ID Letters, Large

Typestyle: Bembo Regular

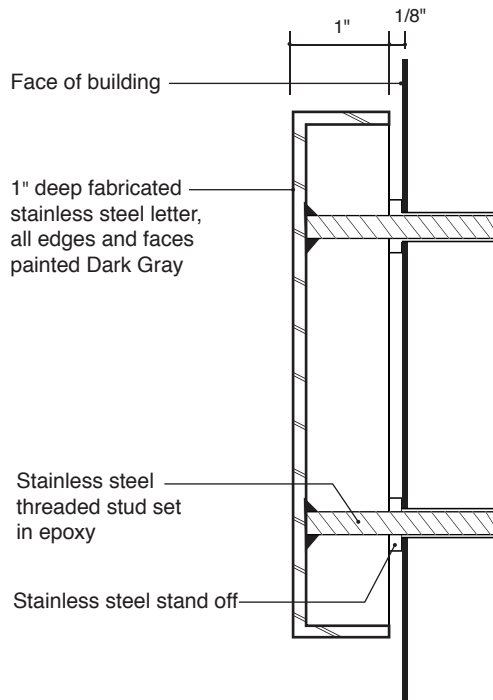
Color: Dark Gray
 Light Gray

Description: 1" deep fabricated stainless steel letters
 with painted finish, stand-off pin mounted
 to building facade.

Criteria: Dimensional letters are used for identifying
 all building types and are mounted in the
 primary entrance side of the building, which
 may include more than one significant point
 of entry. If possible, the letters should be
 weighted closer to the building entrance to
 strengthen wayfinding.

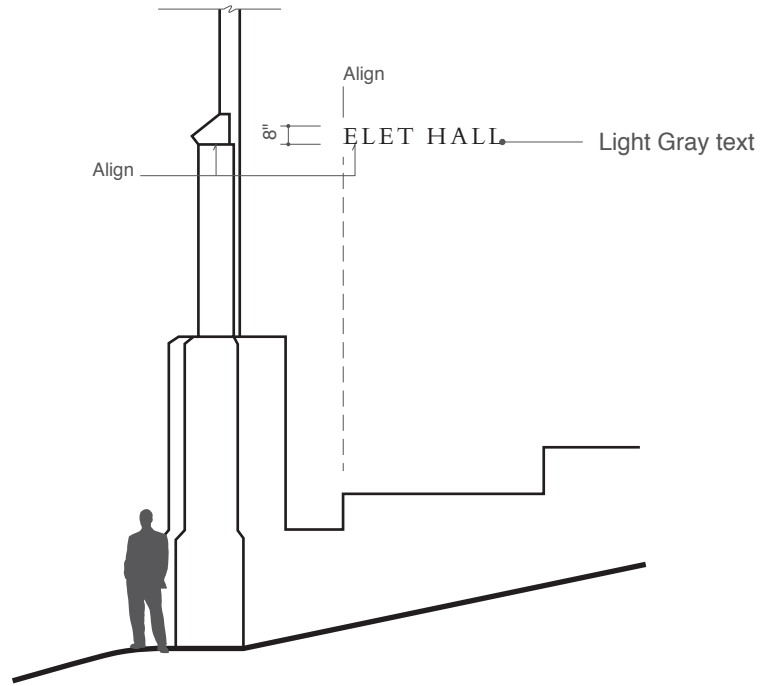
The standard format for building identification
 letters is all caps. The size of the letters should
 be appropriate to the scale of the building and
 its prominence, as determined the field.

Dimensional letters are used for identifying the
 building name only. Colleges, schools or
 departments shall not be identified on the
 exterior.



Section

Scale: Half Size



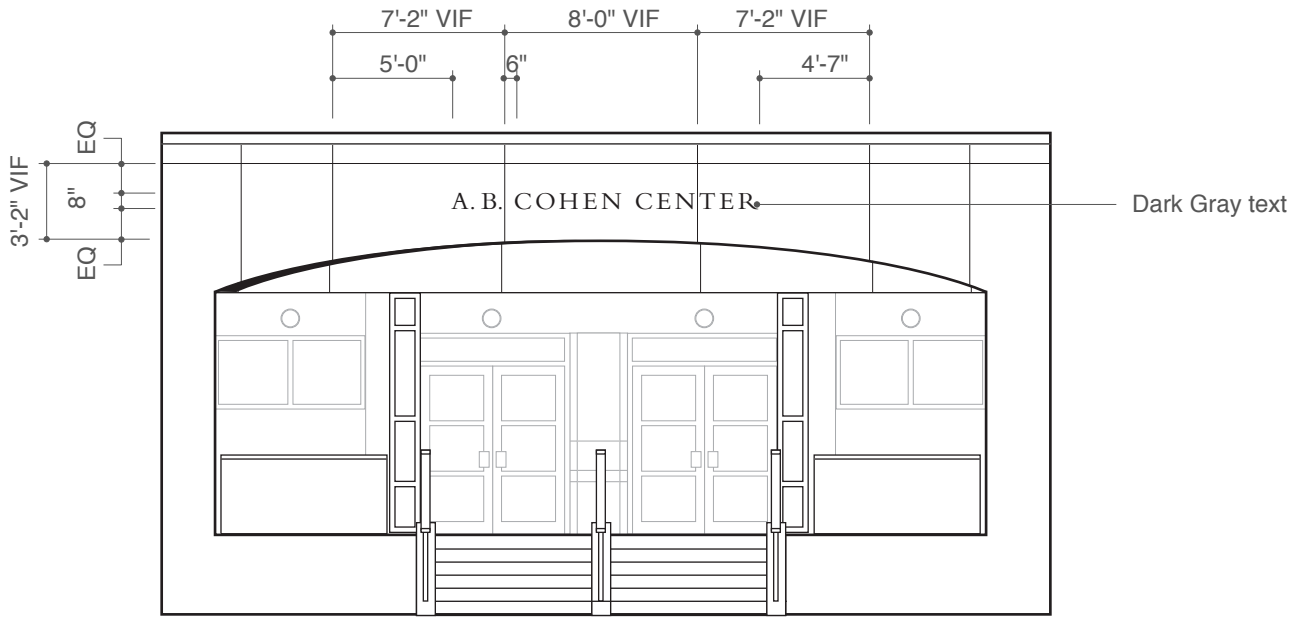
Location Elevation 1

Scale: 1/8" - 1'-0"



Location Elevation 2

Scale: ±1/8" - 1'-0"



Location Elevation 3

Scale: 1/8" = 1'-0"

Sign Type 135B - Building ID Letters, Medium

Typestyle: Bembo Regular

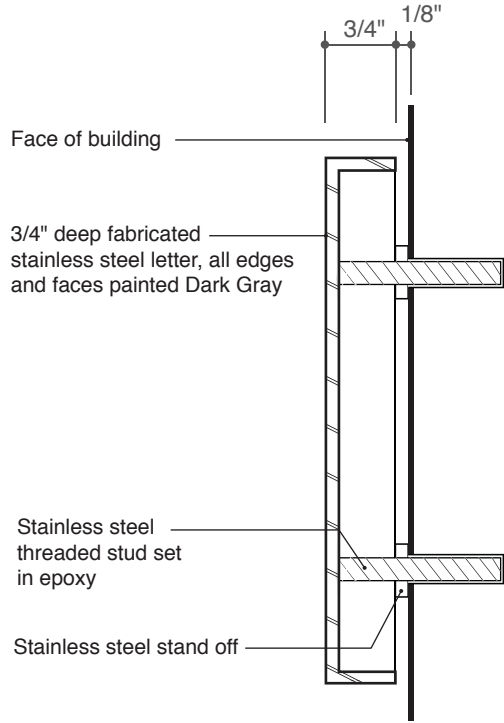
Color: Dark Gray
Light Gray

Description: 3/4" deep fabricated stainless steel letters with painted finish, stand-off pin mounted to building facade.

Criteria: Dimensional letters are used for identifying all building types and are mounted in the primary entrance side of the building, which may include more than one significant point of entry. If possible, the letters should be weighted closer to the building entrance to strengthen wayfinding.

The standard format for building identification letters is all caps. The size of the letters should be appropriate to the scale of the building and its prominence, as determined the field.

Dimensional letters are used for identifying the building name only. Colleges, schools or departments shall not be identified on the exterior.



Section

Scale: Half Size

Letter height varies from 5" to 7"
See Location Elevations for size

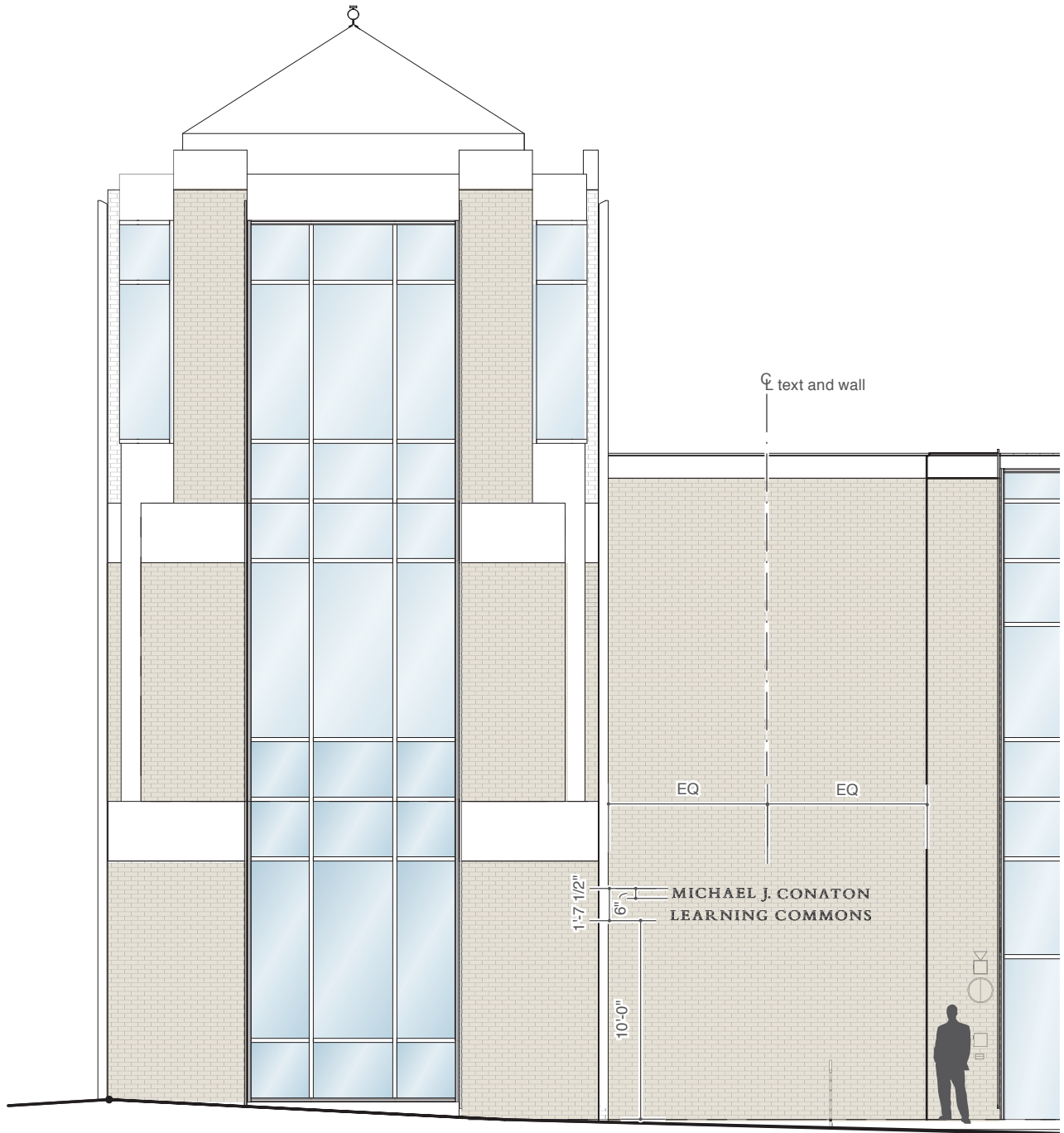
Letter height shall be determined
in relation to the scale of the location.

C

MICHAEL J. CONATON
LEARNING COMMONS

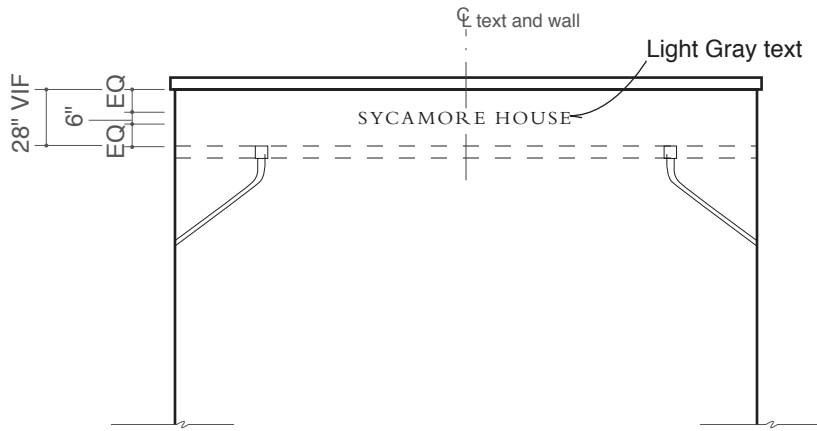
Layout

Scale: N.T.S.



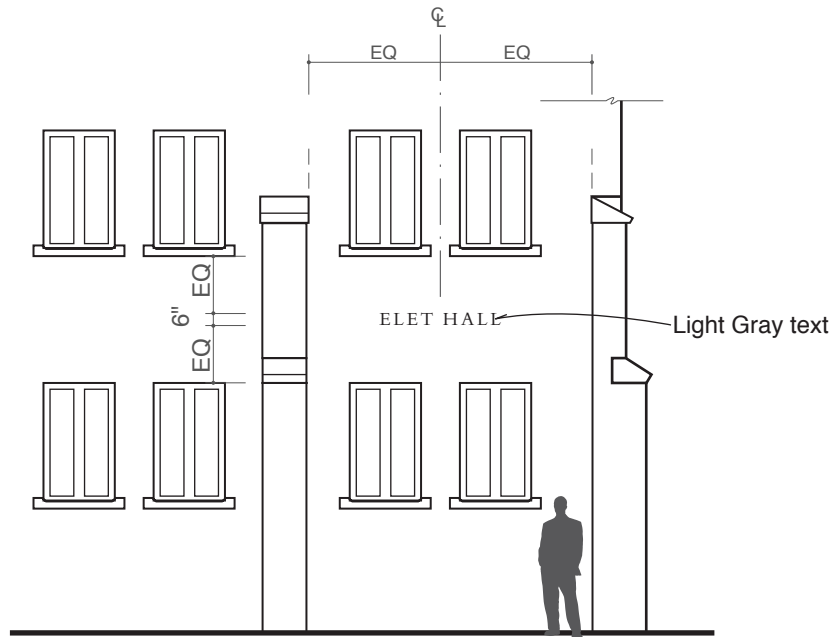
Location Elevation 1

Scale: 1/8" - 1'-0"



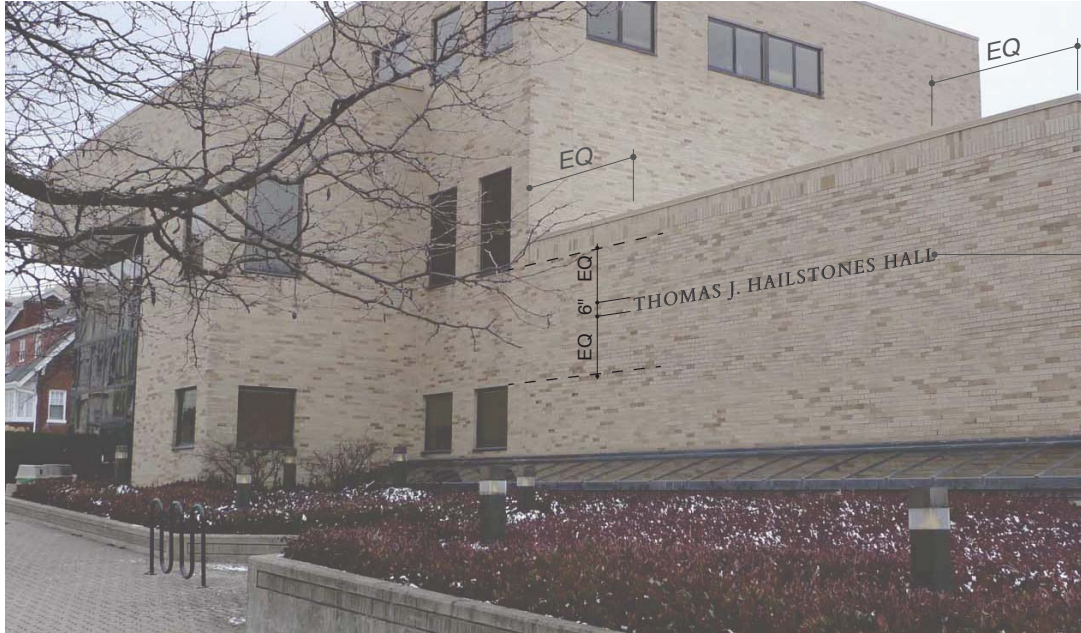
Location Elevation 2

Scale: 1/8" - 1'-0"



Location Elevation 3

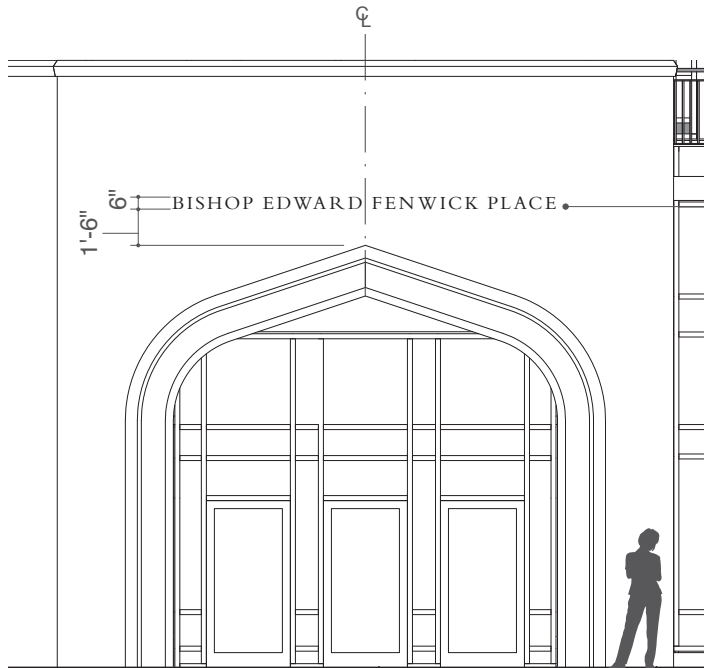
Scale: 1/8" - 1'-0"



Dark Gray text
Standard
Letterspacing

Location Elevation 4

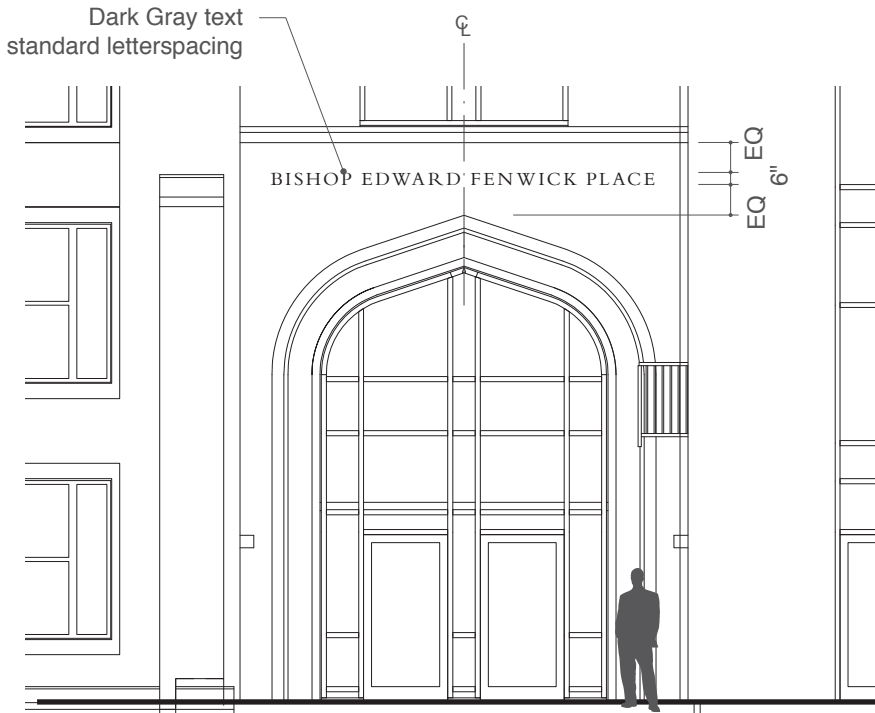
Scale: Not to scale



Dark Gray text
Standard
Letterspacing

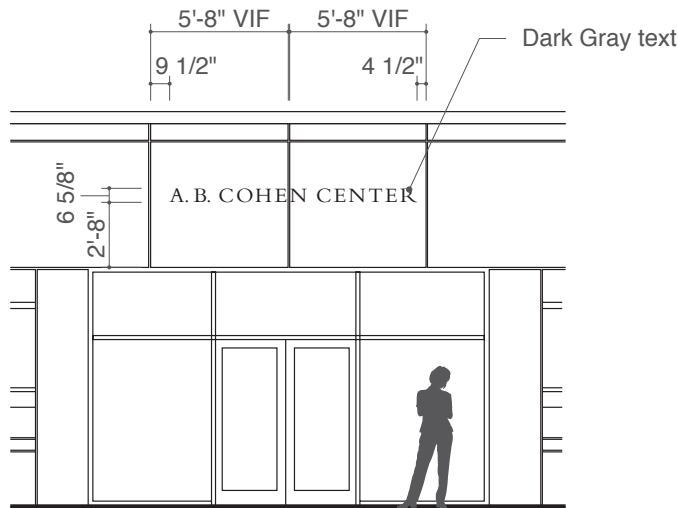
Location Elevation 5

Scale: 1/8" - 1'-0"



Location Elevation 6

Scale: 1/8" - 1'-0"



Location Elevation 7

Scale: 1/8" - 1'-0"

Sign Type 135C - Building Letters, Small

Typestyle: Bembo Regular

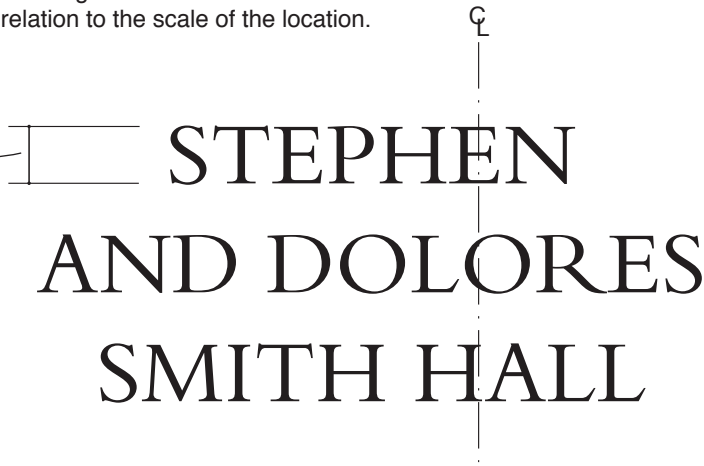
Color: Dark Gray

Description: 1/2" deep fabricated stainless steel letters with painted finish, stand-off pin mounted to building facade.

Criteria: Smaller dimensional letters are used to identify secondary buildings or augment the primary dimensional lettering when multiple entrances warrant additional letter sets.

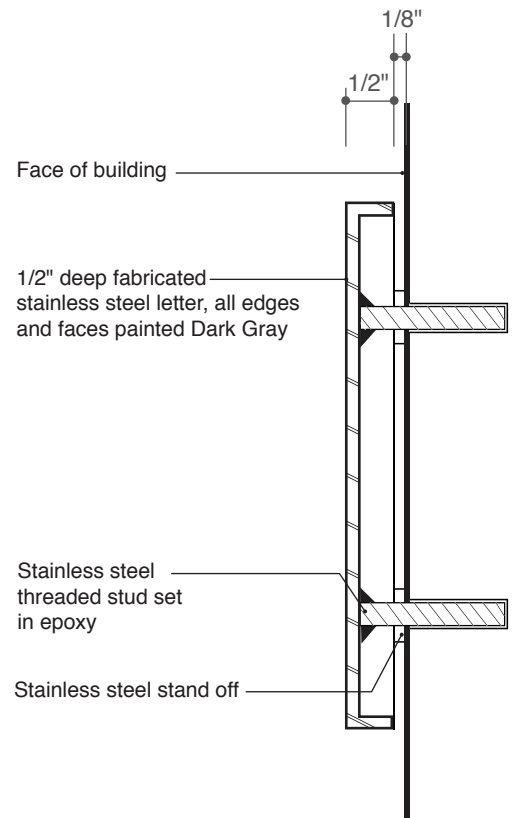
Letter height varies from 2 1/2" to 4 1/2"
See Location Elevations for size

Letter height shall be determined
in relation to the scale of the location.



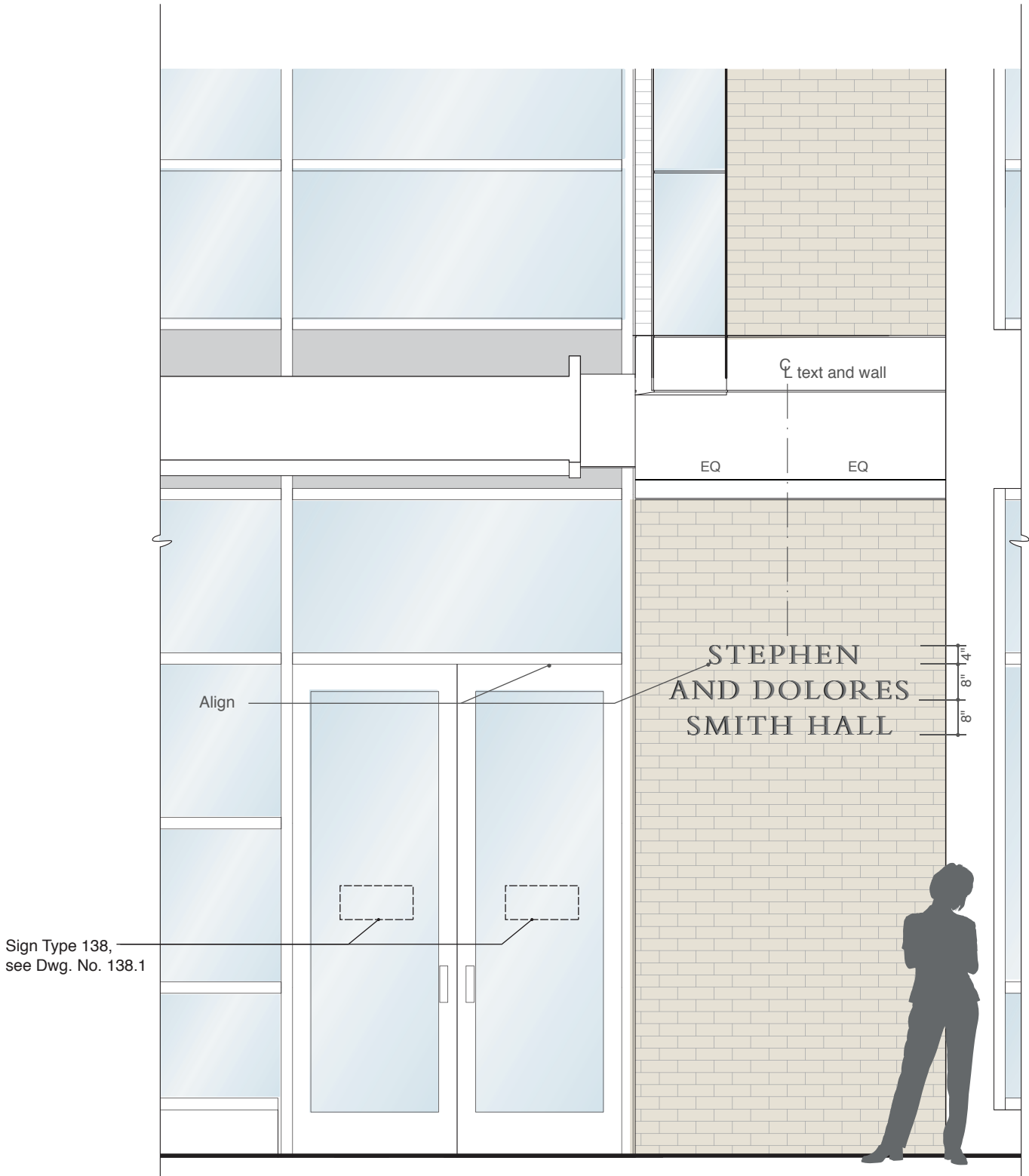
Layout

Scale: N.T.S.



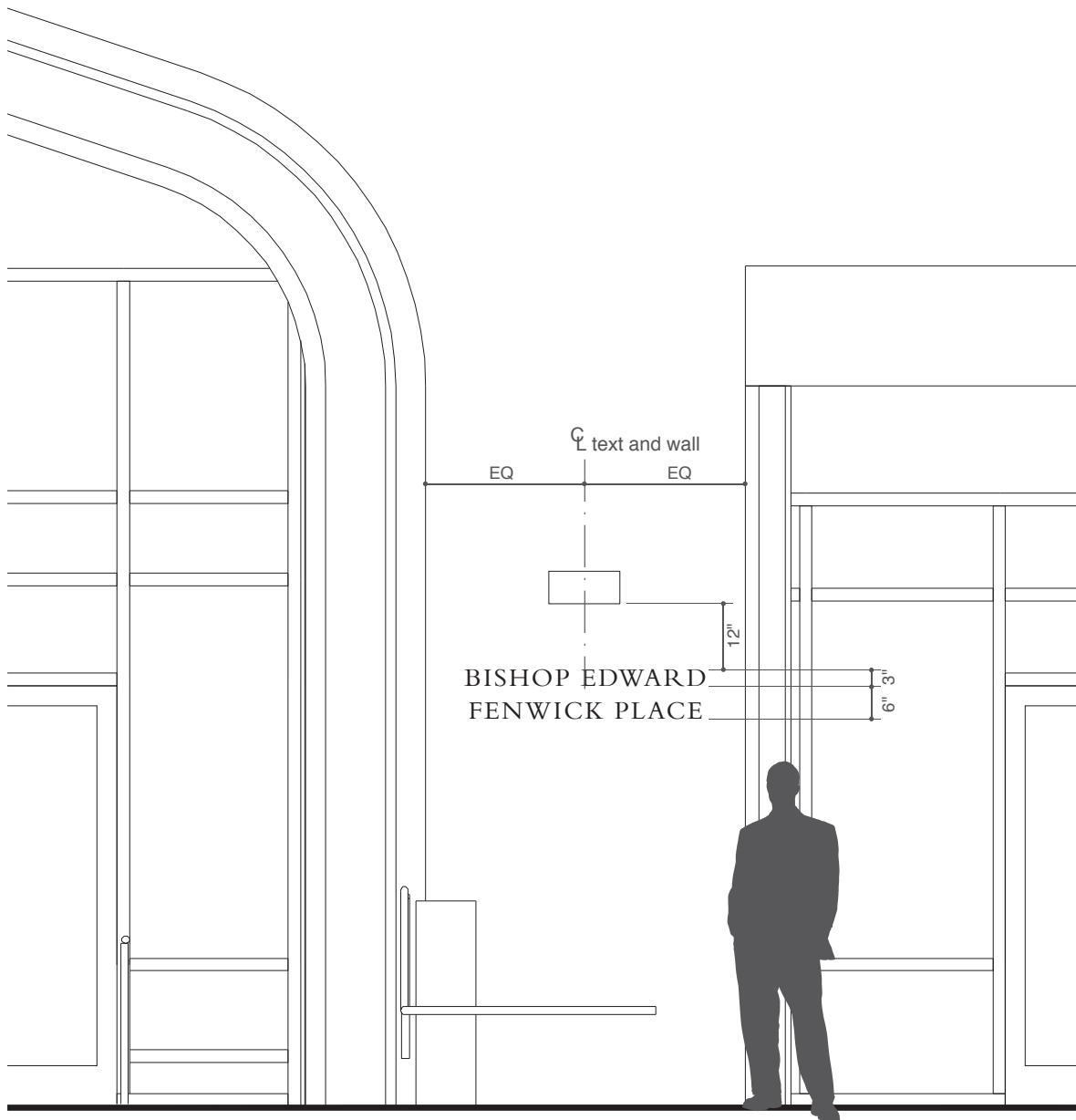
Section

Scale: Half Size



Location Elevation 1

Scale: 3/8" - 1'-0"



Location Elevation 2

Scale: 3/8" = 1'-0"

Sign Type 136 - Refurbish Letters

Description: Clean existing recessed masonry lettering and apply Translucent Gray Lithichrome Shadow to interior of letters.

Color: To match Designer's Sample.

Criteria: Cleaning and applying a tint to existing carved lettering is done to improve legibility. This is particularly important for buildings with a high percentage of public or first-time visitors.

The application of Lithichrome Shadow should only be executed by an experienced crafts person, by hand, either with traditional brush or masked and airbrushed.



Clean and apply Lithichrome Shadow to 10" recessed letters cast in masonry.

Location Elevation 1

Scale: Not to Scale



Clean and apply Lithichrome Shadow to 12" recessed letters cast in masonry.

Location Elevation 2

Scale: Not to Scale

Sign Type 137 - Building ID Letters on Panel

Typestyle: Bembo Regular

Criteria: Sign panels with dimensional lettering shall be provided where building surfaces do not allow for the application of lettering directly on the building. Panels shall be scaled and positioned in a way that is consistent with the architecture and appropriate to existing patterns and linear relationships.

Color: Text - Dark Gray
 Background - TBD

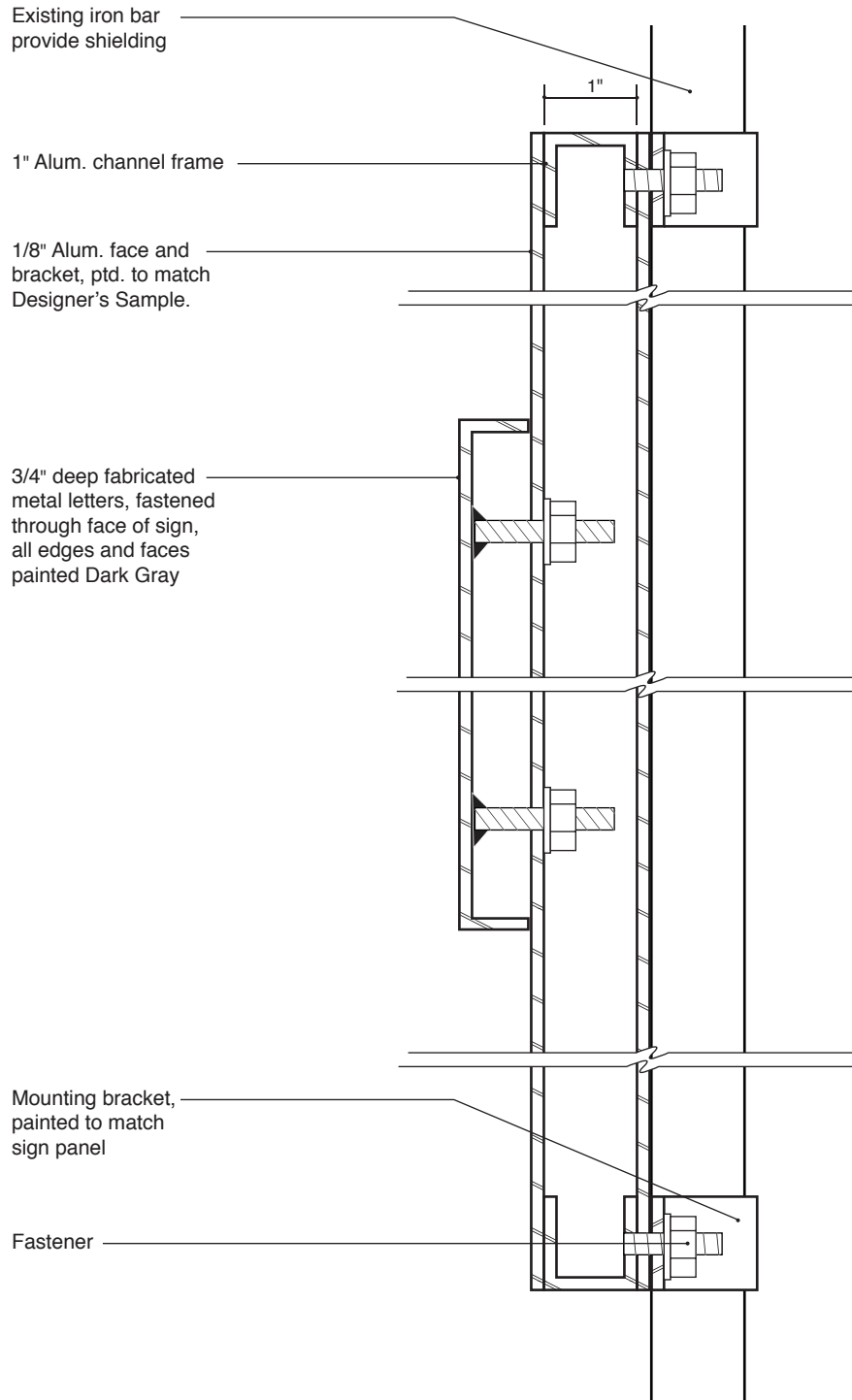
Description: 3/4" deep fabricated metal letters with painted finish, mounted to panel.

The color of the panels should complimentary to the architectural finishes.



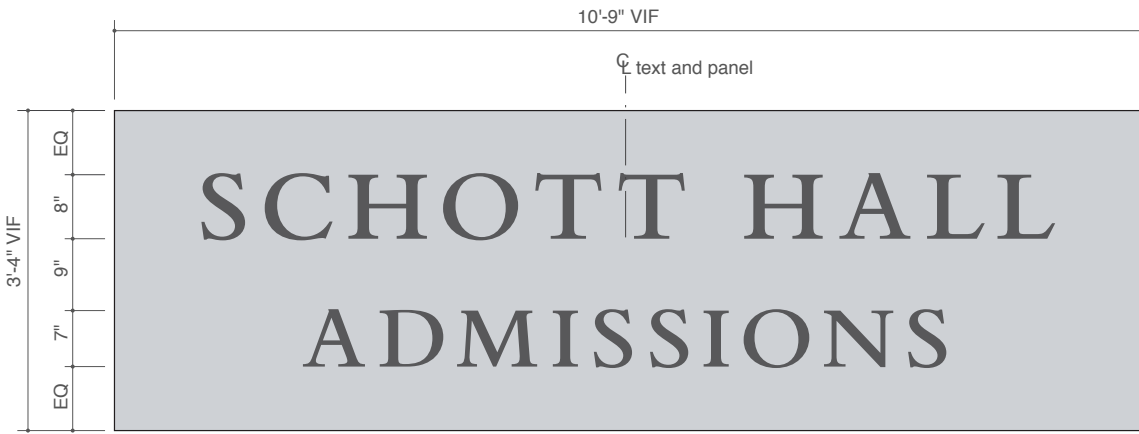
Location Elevation 1

Scale: 3/8" - 1'-0"



Section

Scale: Half Size



Layout 1

Scale: 1/2" = 1'-0"

Sign Type 138 - Building Entrance Graphics

Typestyle: Bembo Regular

Color: Matte White
Matte Black
Red

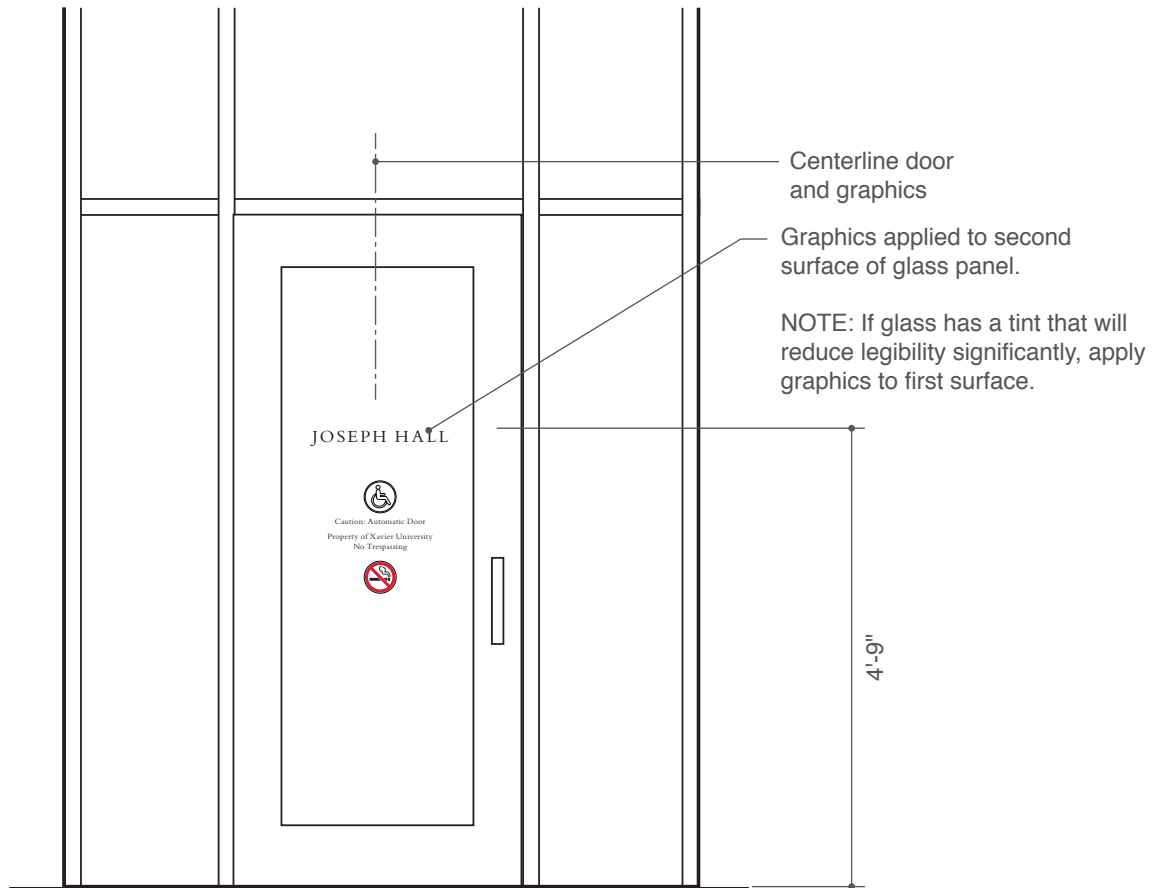
Description: Vinyl applied to second surface of glass.

Criteria: Building entrance graphics provide the name of the building directly at the entrance, along with additional information including trespassing message, automatic door message and the no smoking symbol.

The name of schools or colleges, departments or other information is not permitted on entrance doors, with the following exceptions:

- Schools or Colleges associated with a donor name.
- If access to a specific department is only provided through one of many exterior doors, then the name of the department can be applied to that particular door.

Note: Letter sizes may have to be adjusted to fit on a panel. Use the letter sizes shown as a starting point. Adjust as necessary to fit existing conditions.



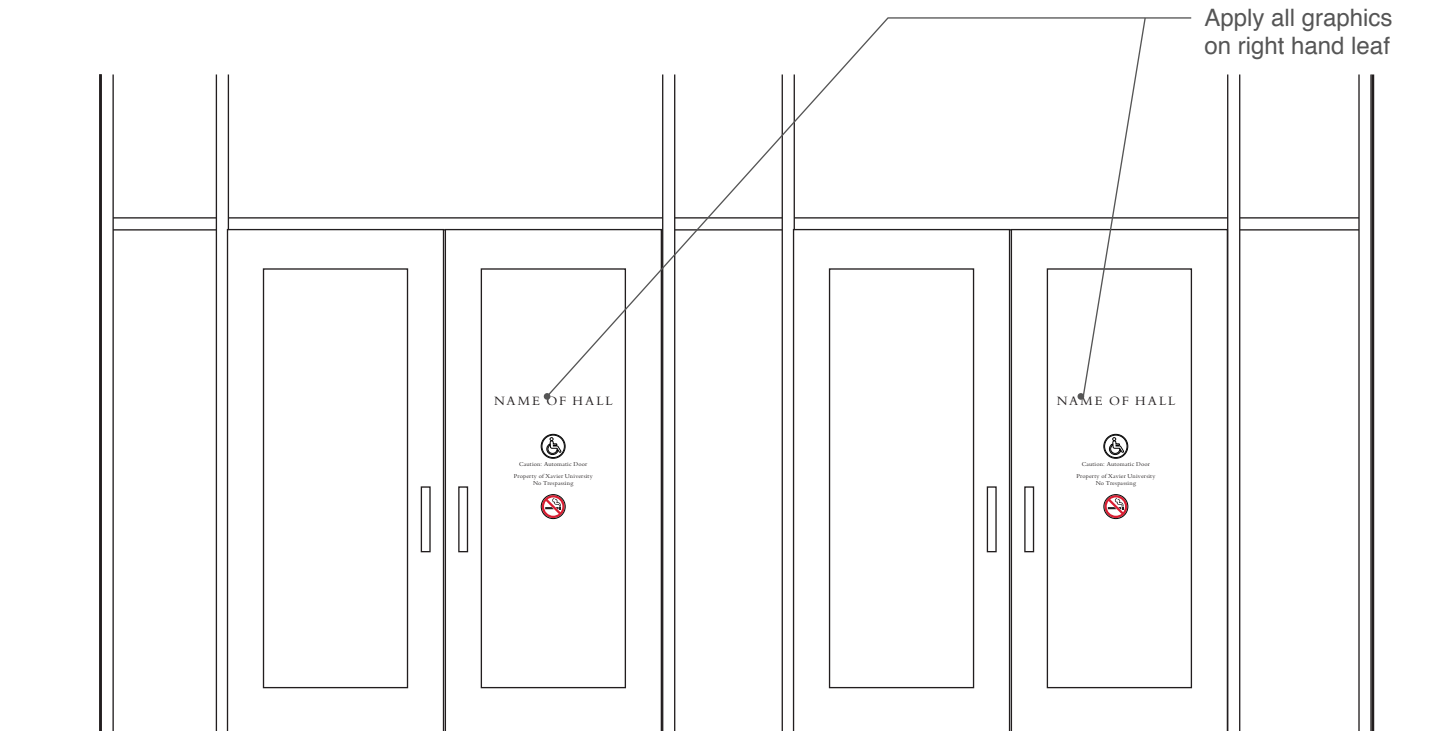
Condition 1 - Single Door

Scale: 1/2" = 1' - 0"



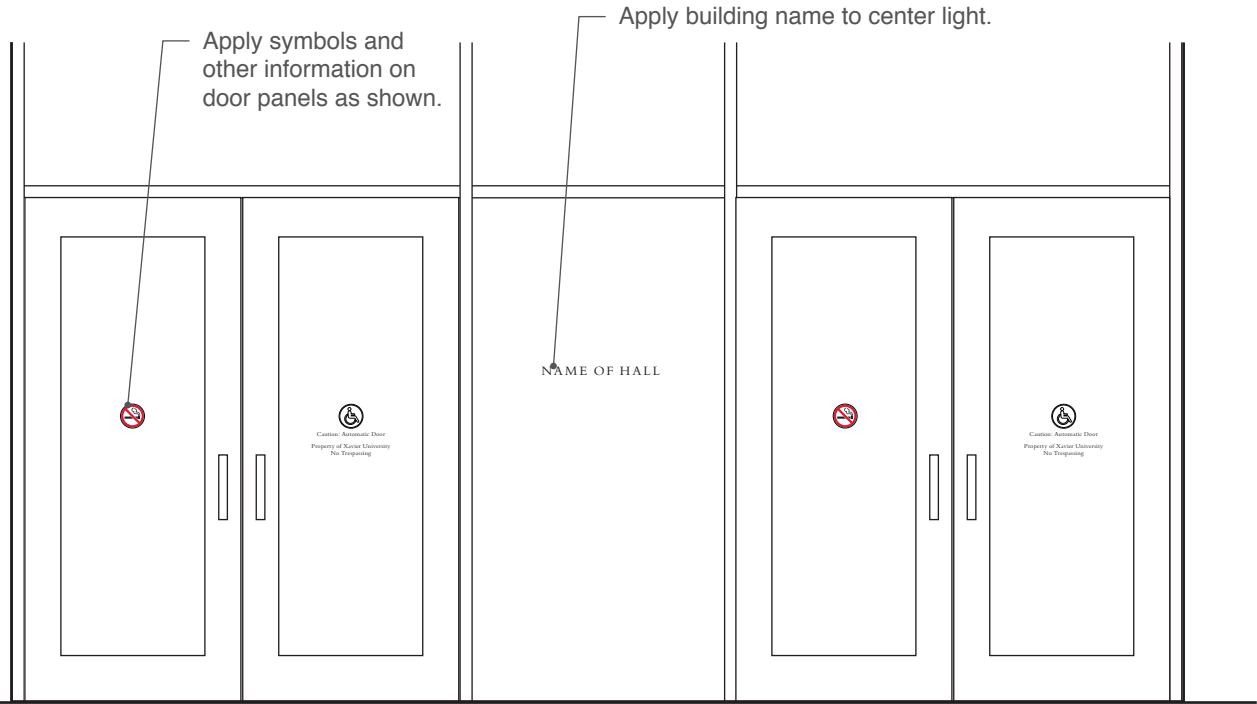
Condition 2 - One Pair of Double Doors

Scale: 3/8" = 1' - 0"



Condition 3 - Two Pairs of Double Doors

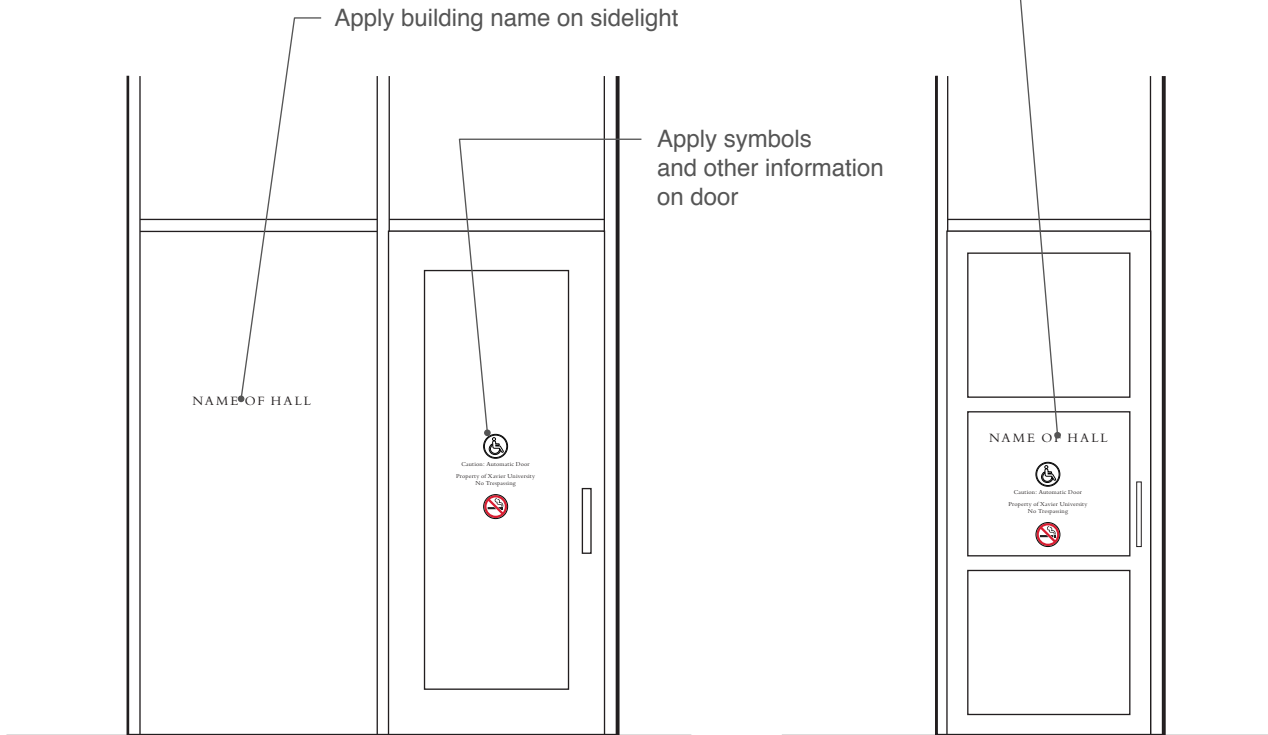
Scale: 3/8" = 1' - 0"



Condition 4 - Center Light

Scale: 3/8" = 1' - 0"

Apply all information on center panel. Confirm dimensions in field prior to fabrication.



Condition 5 - Sidelight

Scale: 3/8" = 1' - 0"

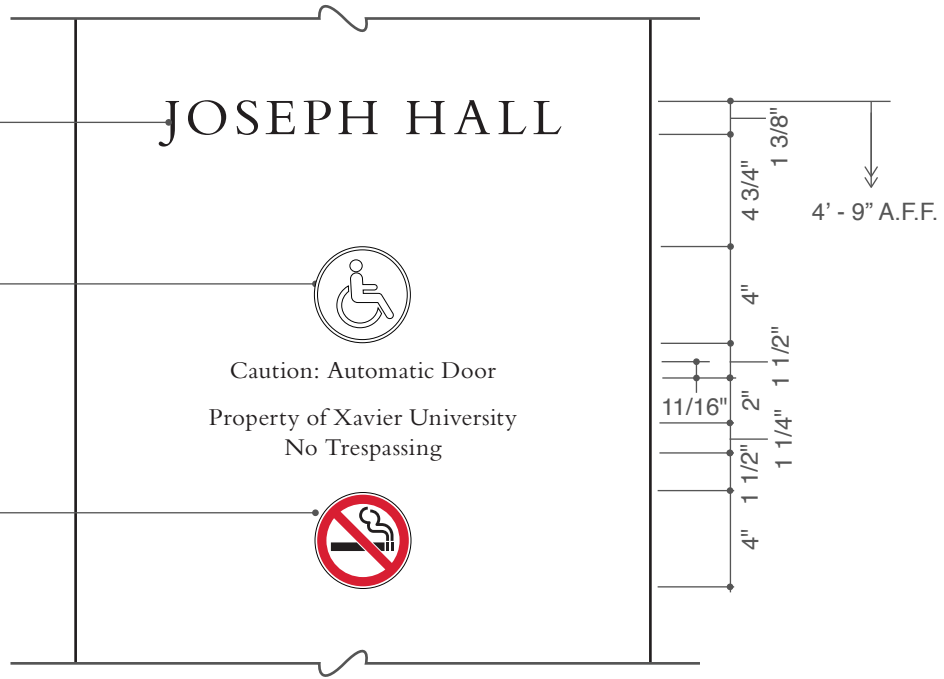
Condition 6 - Panelized Door

Scale: 3/8" = 1' - 0"

Matte White lettering.
(Confirm in field. Provide
Matte Black lettering
if lighting conditions require.)

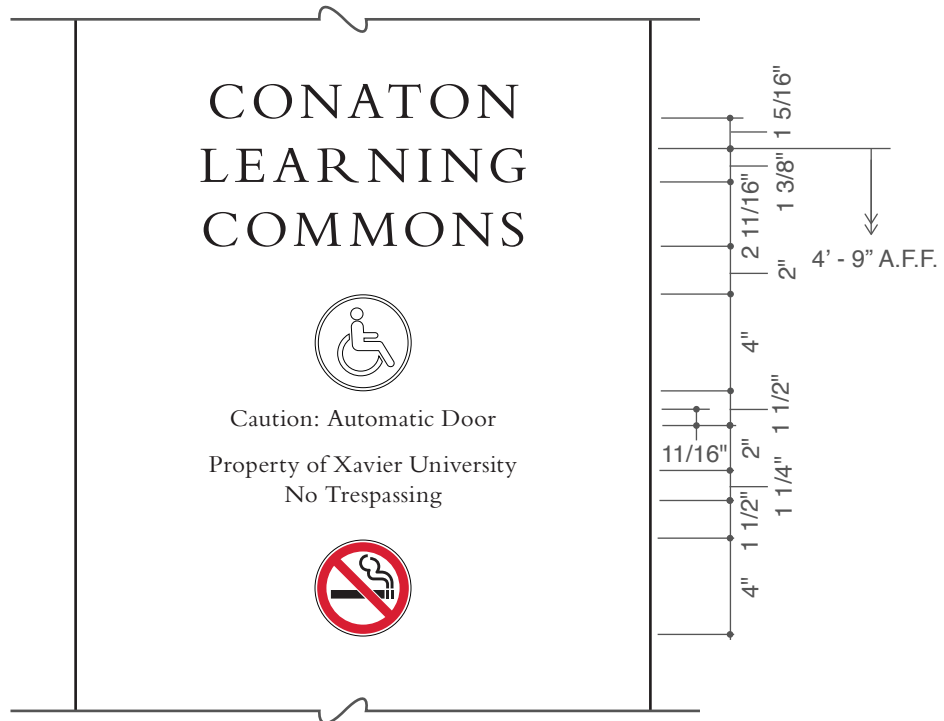
Matte white outline and
symbol. Clear Background.
(See Above)

Red and Black symbol on
Matte White background.



Layout - Single Line Name

Scale: 1 1/2" = 1' - 0"



Layout - Multiple Line Name

Scale: 1 1/2" = 1' - 0"

Sign Type 140 - Regulatory

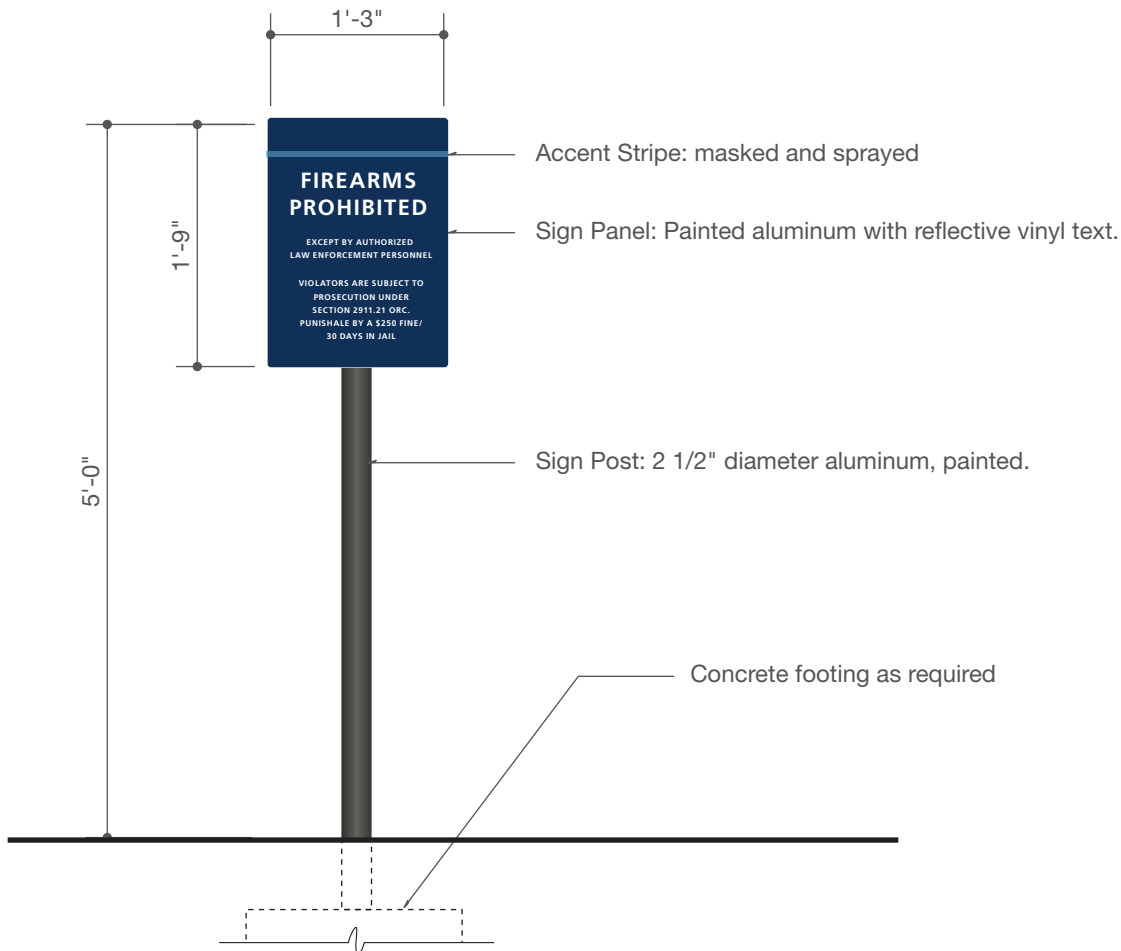
Typestyle: Frutiger 65 Bold

Colors: Sign Post - Dark Gray
Sign Panel - Dark Blue
Text & Arrow - Reflective White
Accent Stripe - Medium Blue

Description: Single sided aluminum sign panel and aluminum post, painted with masked and sprayed stripe and reflective vinyl text.

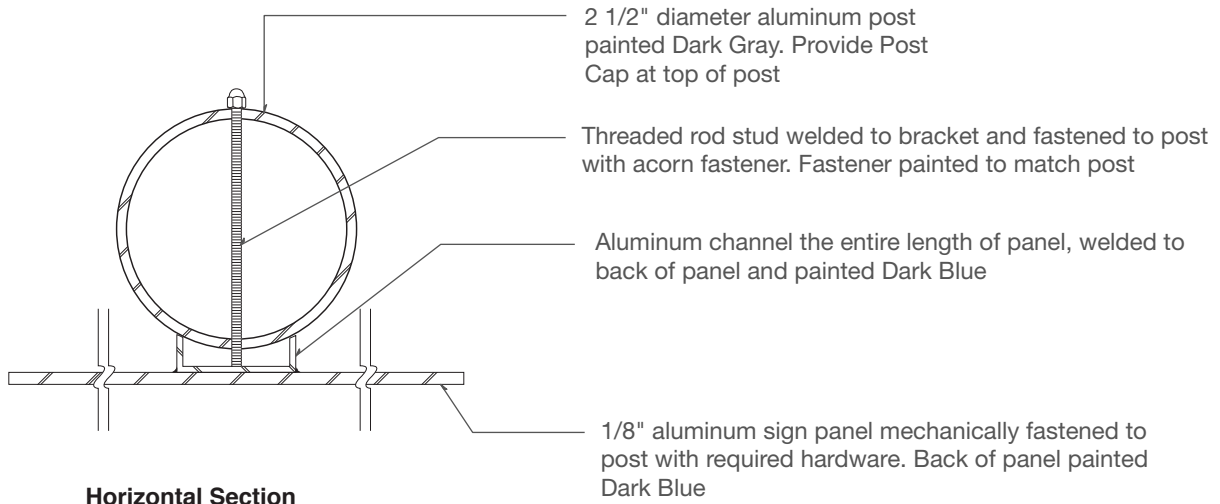
Criteria: Small regulatory signs are used to provide campus policies and regulations. These signs are primarily located at the egress path from a parking area unless otherwise noted.

Regulatory signs are single-sided and mounted perpendicular to the path of travel.



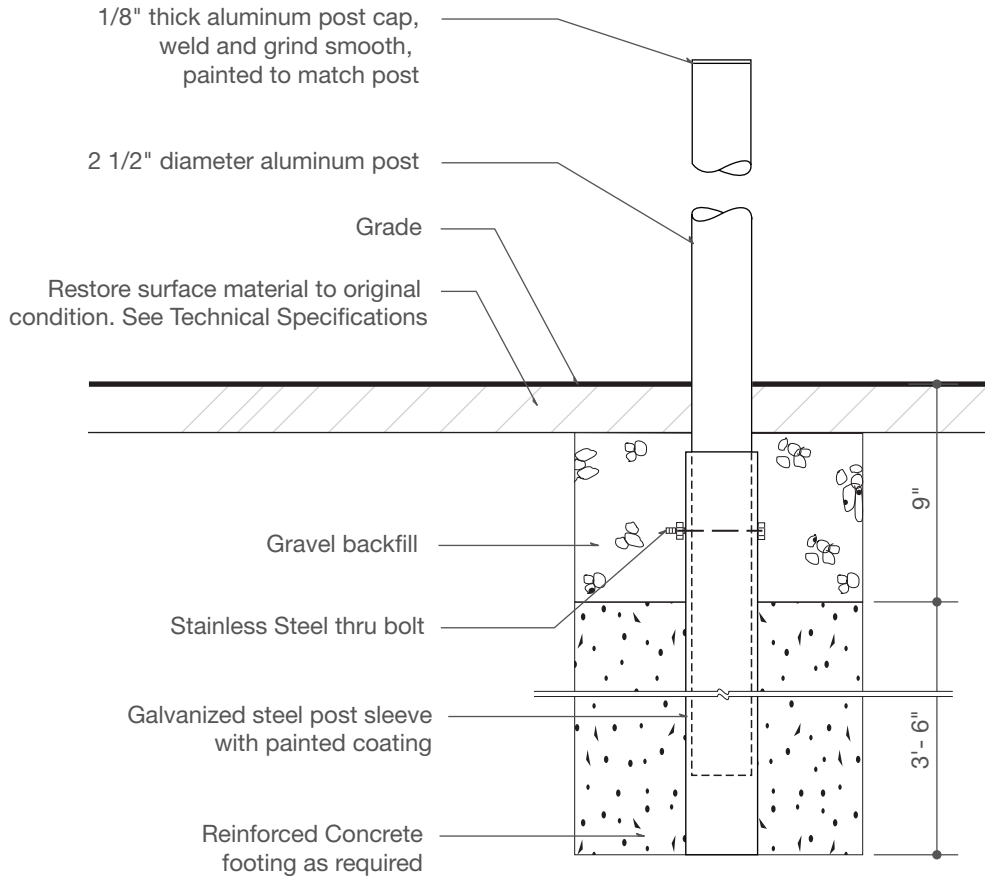
Elevation

Scale: 3/4" = 1' - 0"



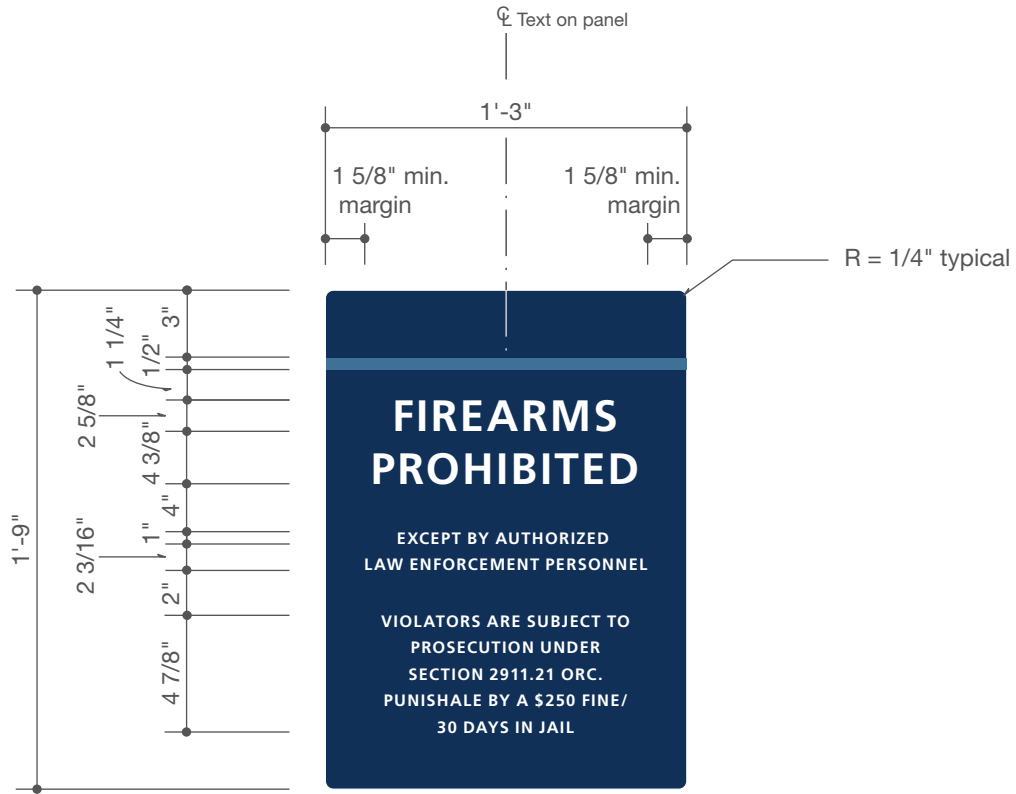
Horizontal Section

Half Size



Footing Detail

1 1/2" = 1' - 0"



Layout 1

Scale: 1 1/2" = 1' - 0"

Sign Type 141 - Parking Regulatory

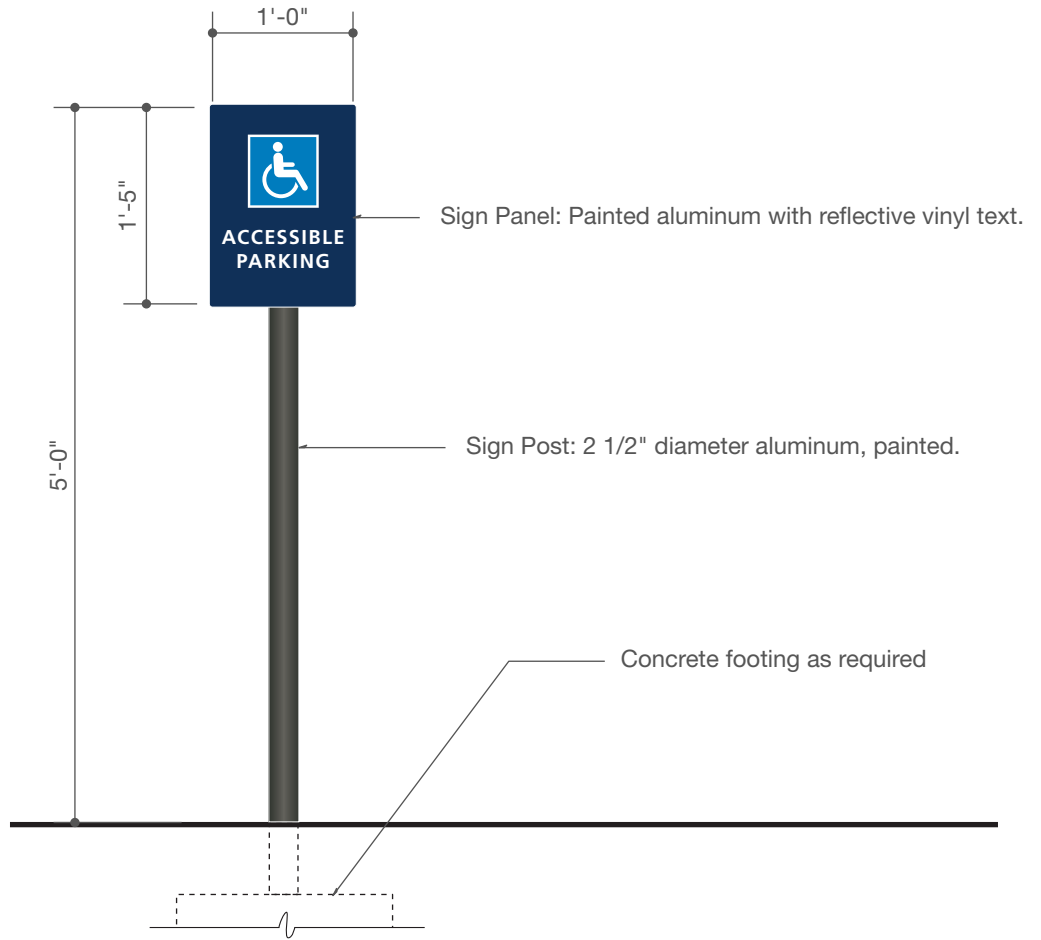
Typestyle: Frutiger 65 Bold

Colors: Sign Post - Dark Gray
Sign Panel - Dark Blue
Text - Reflective White
Symbols - As noted in layouts

Description: Single sided aluminum sign panel and aluminum post, painted with reflective vinyl graphics and text.

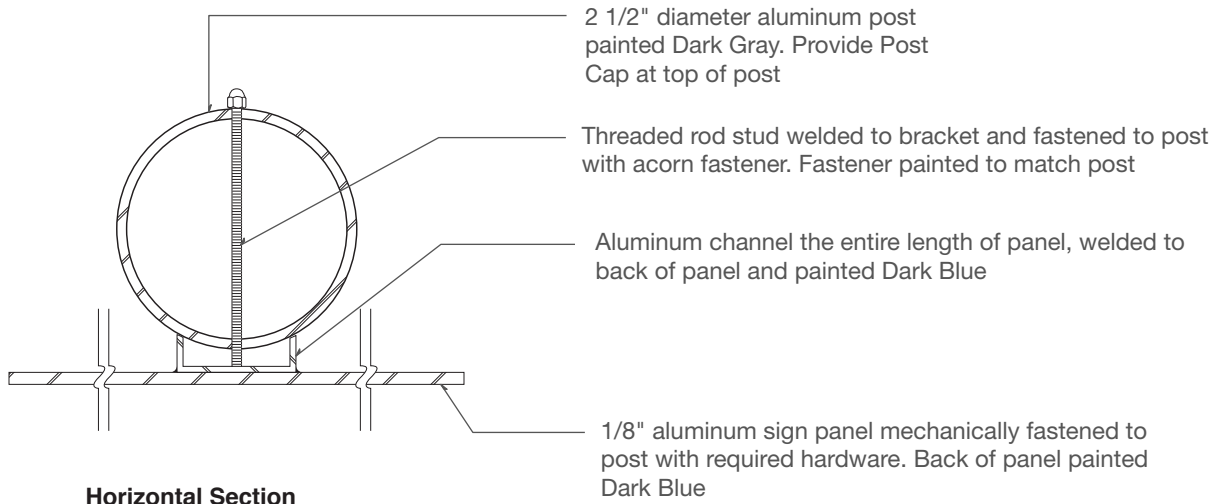
Criteria: Parking regulatory signs are used for identifying and regulating the use of individual parking spaces or a designated area of parking.

Signs are single-sided. For reserved or accessible parking, provide a sign for each space.



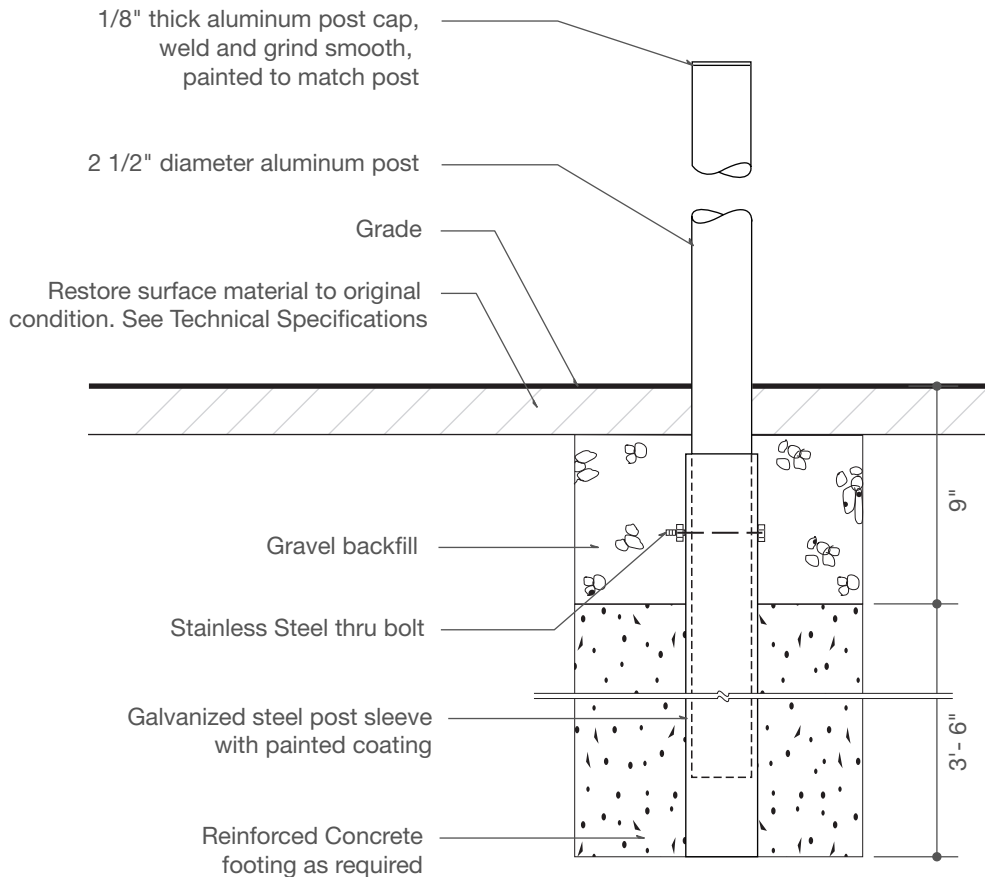
Elevation

Scale: 3/4" = 1' - 0"



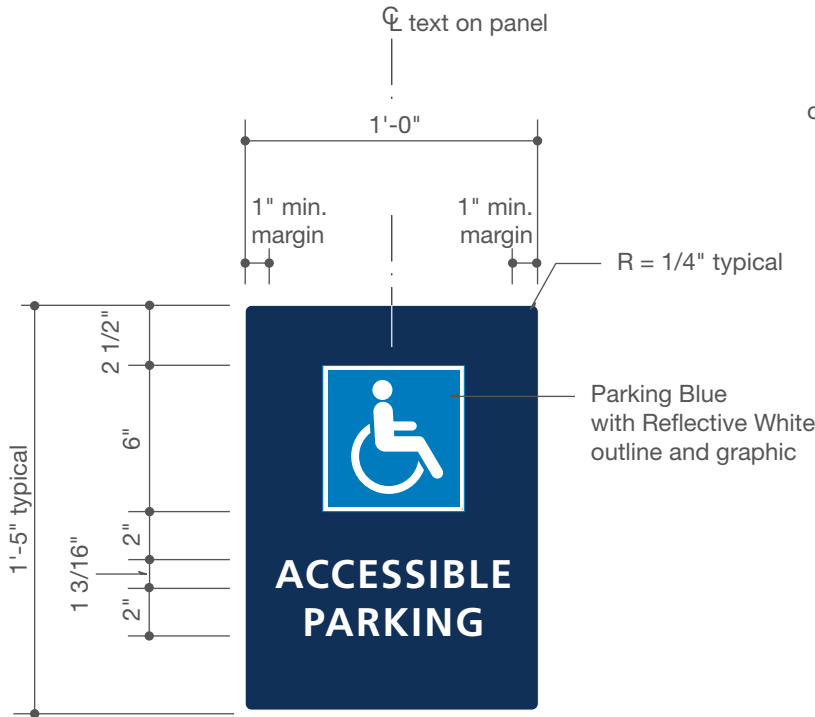
Horizontal Section

Half Size



Footing Detail

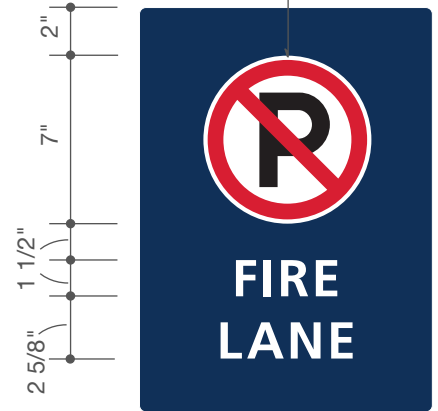
1 1/2" = 1' - 0"



Layout 1

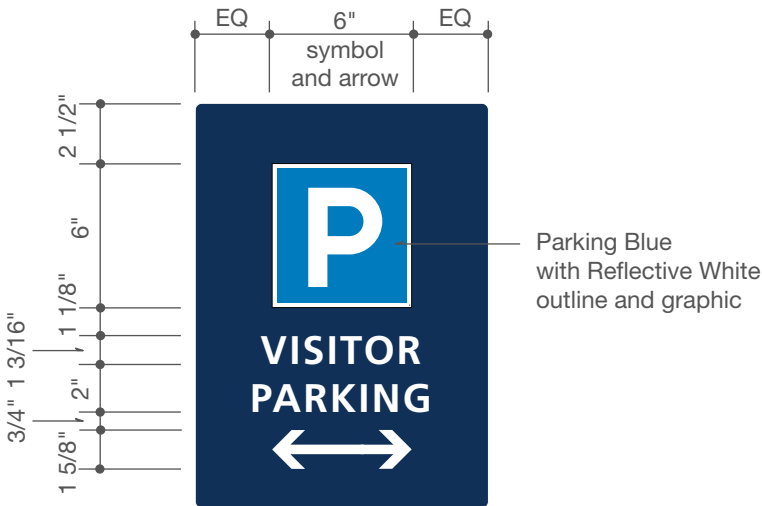
Scale: 1 1/2" = 1' - 0"

White circle with Red outline / slash and Black 'P'



Layout 2

Scale: 1 1/2" = 1' - 0"



Layout 3

Scale: 1 1/2" = 1' - 0"

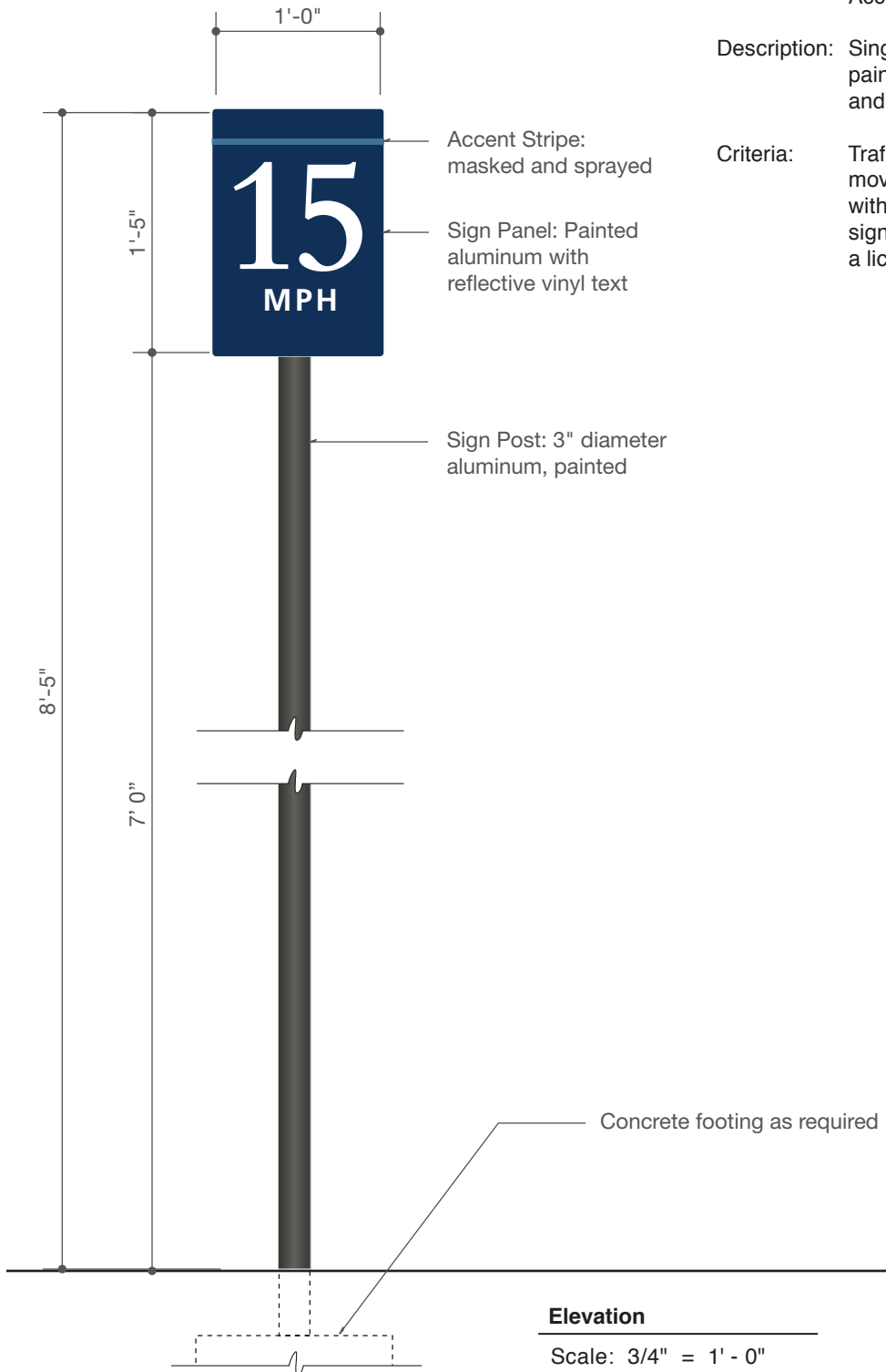
Sign Type 142 - Traffic Control

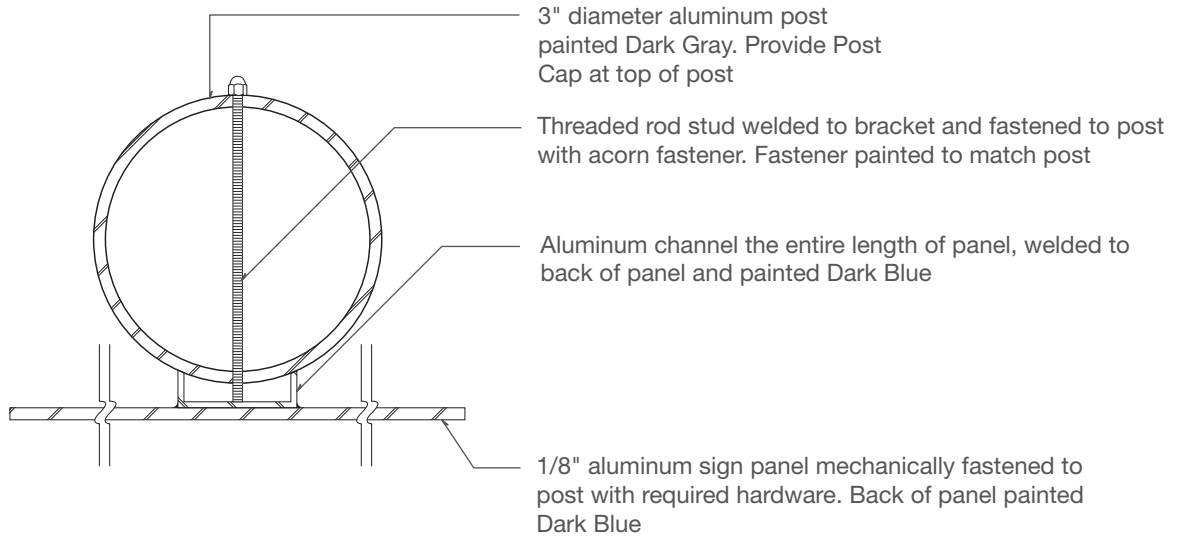
Typestyle: Bembo Semibold and Frutiger 65 Bold

Colors: Sign Post - Dark Gray
Sign Panel - Dark Blue
Text - Reflective White
Accent stripe - Medium Blue

Description: Single sided aluminum sign panel and post, painted with masked and sprayed strip and reflective vinyl graphics and text.

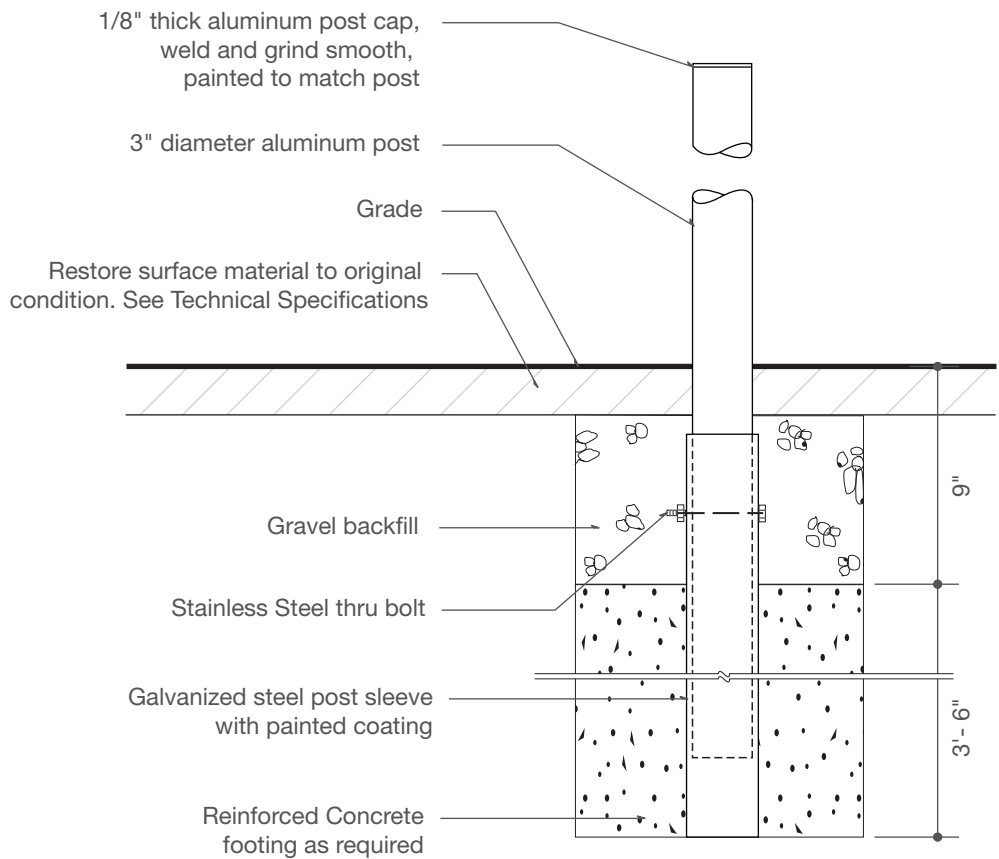
Criteria: Traffic control signs are used for regulating the movement of vehicular traffic in accordance with the Manual on Uniform Traffic Control signs and should be specified and located by a licensed Civil Engineer or Traffic Engineer.





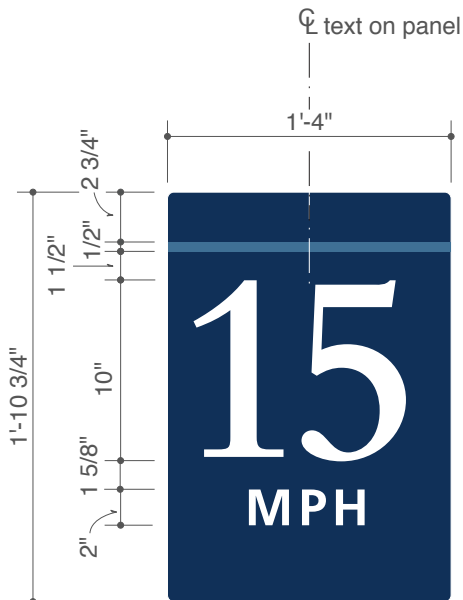
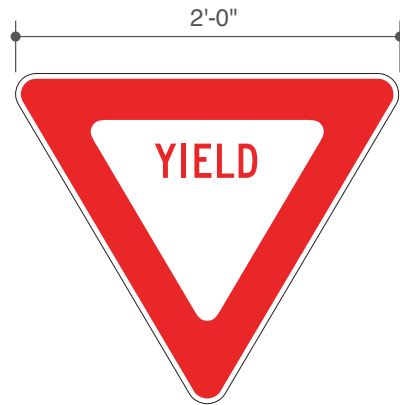
Horizontal Section

Half Size



Footing Detail

1 1/2" = 1' - 0"



Layouts 1

Scale: 1" = 1' - 0"

Note:

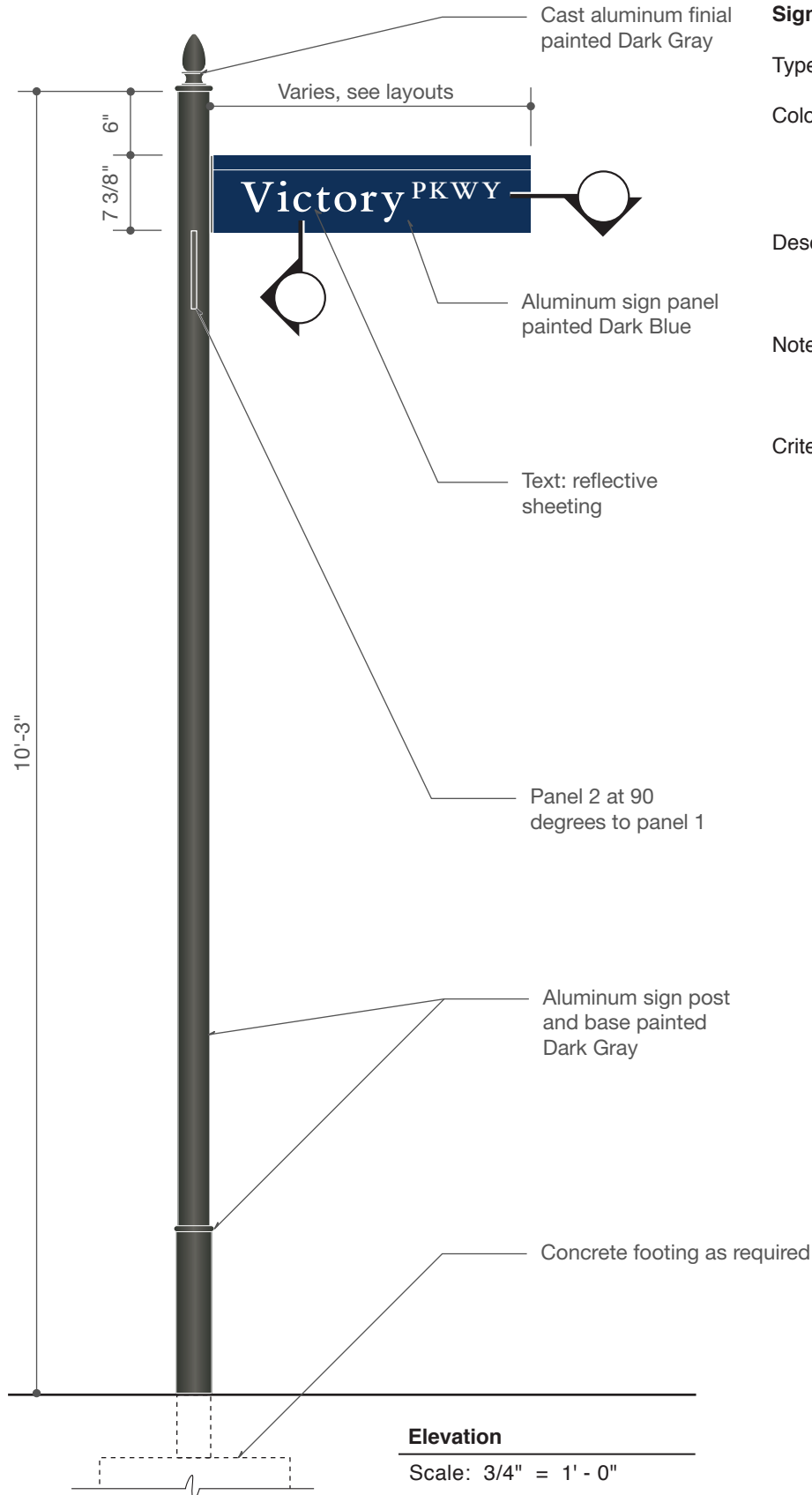
Provide MUTCD Standard Sign Panels,
paint back of panels Dark Gray



Layouts 2

Scale: 1" = 1' - 0"

Note:
Provide MUTCD Standard Sign Panels,
paint back of panels Dark Gray



Sign Type 143 - Street Name Sign

Typestyle: Bembo Semibold

Colors: Sign Post and Finial - Dark Gray
Sign Panel - Dark Blue
Text - Reflective White

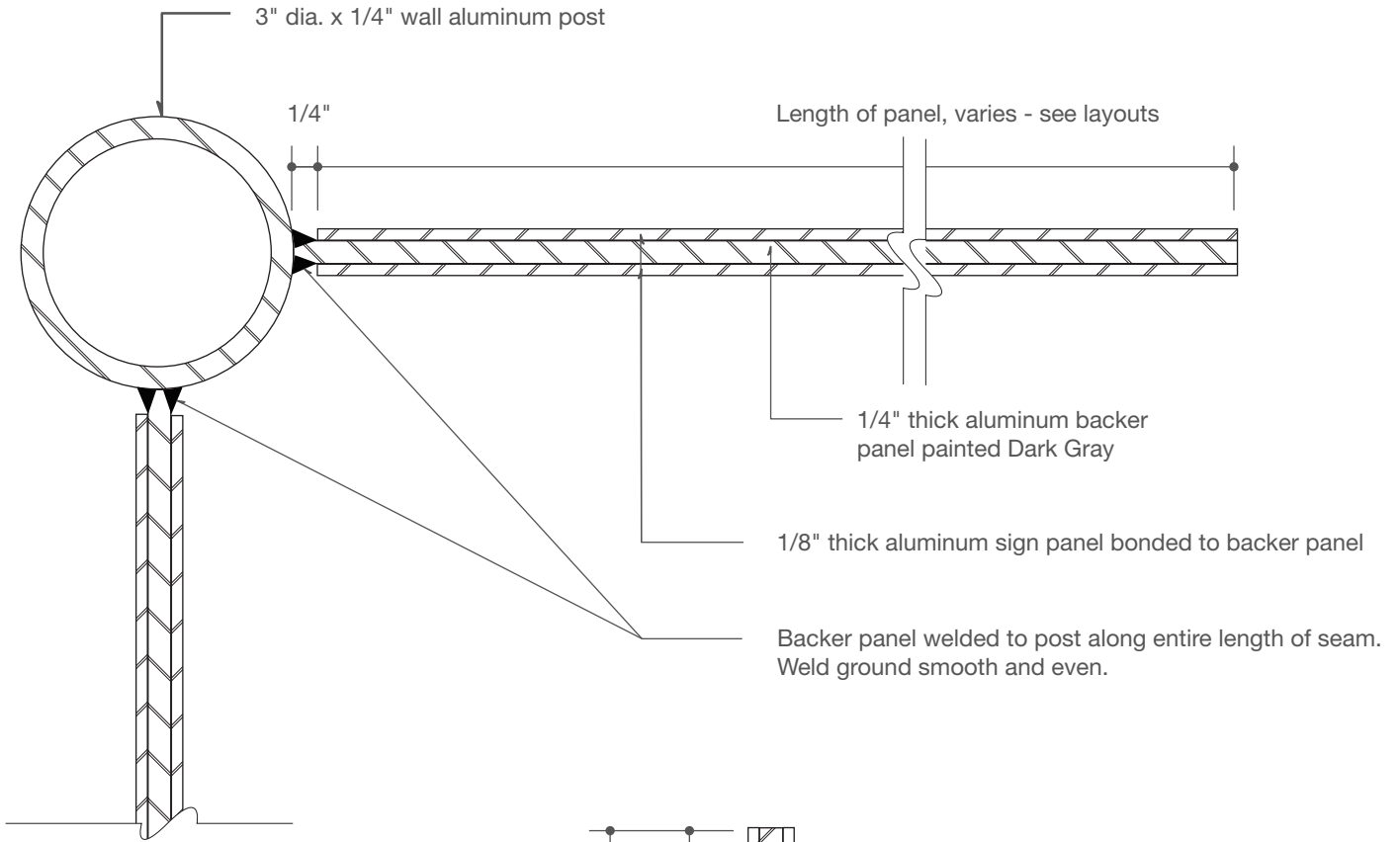
Description: Double sided aluminum sign panel and post, painted with reflective vinyl text.

Note: Each location has two panels unless otherwise noted in the Message Schedule.

Criteria: This sign type is used for identifying streets that are within the University's Campus and include the name of both the primary street and secondary intersecting street.

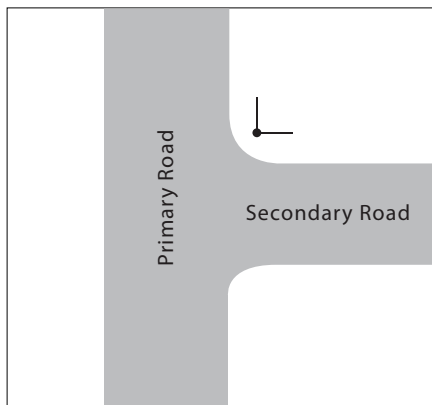
Elevation

Scale: 3/4" = 1' - 0"

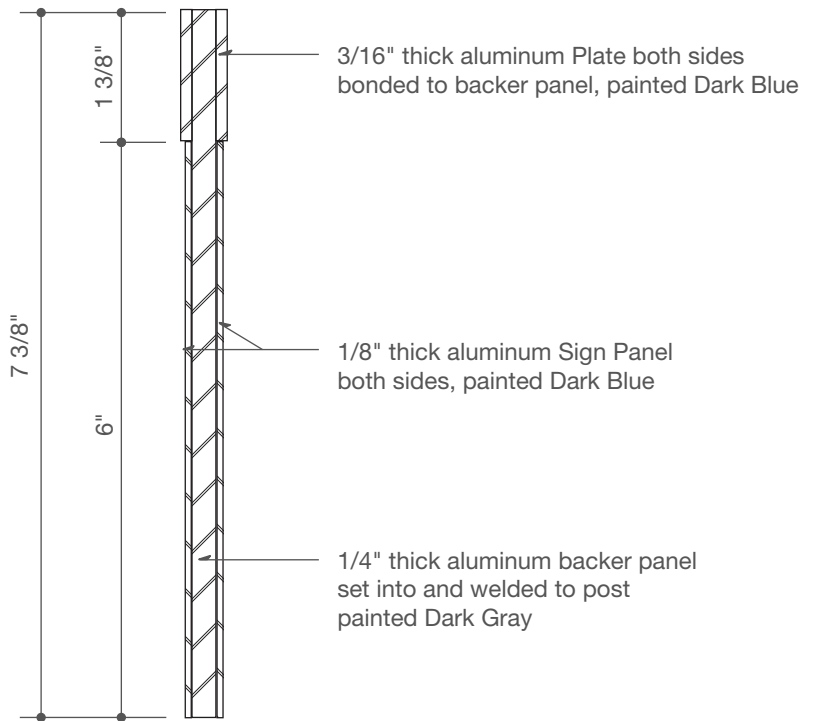


Horizontal Section

Half Scale

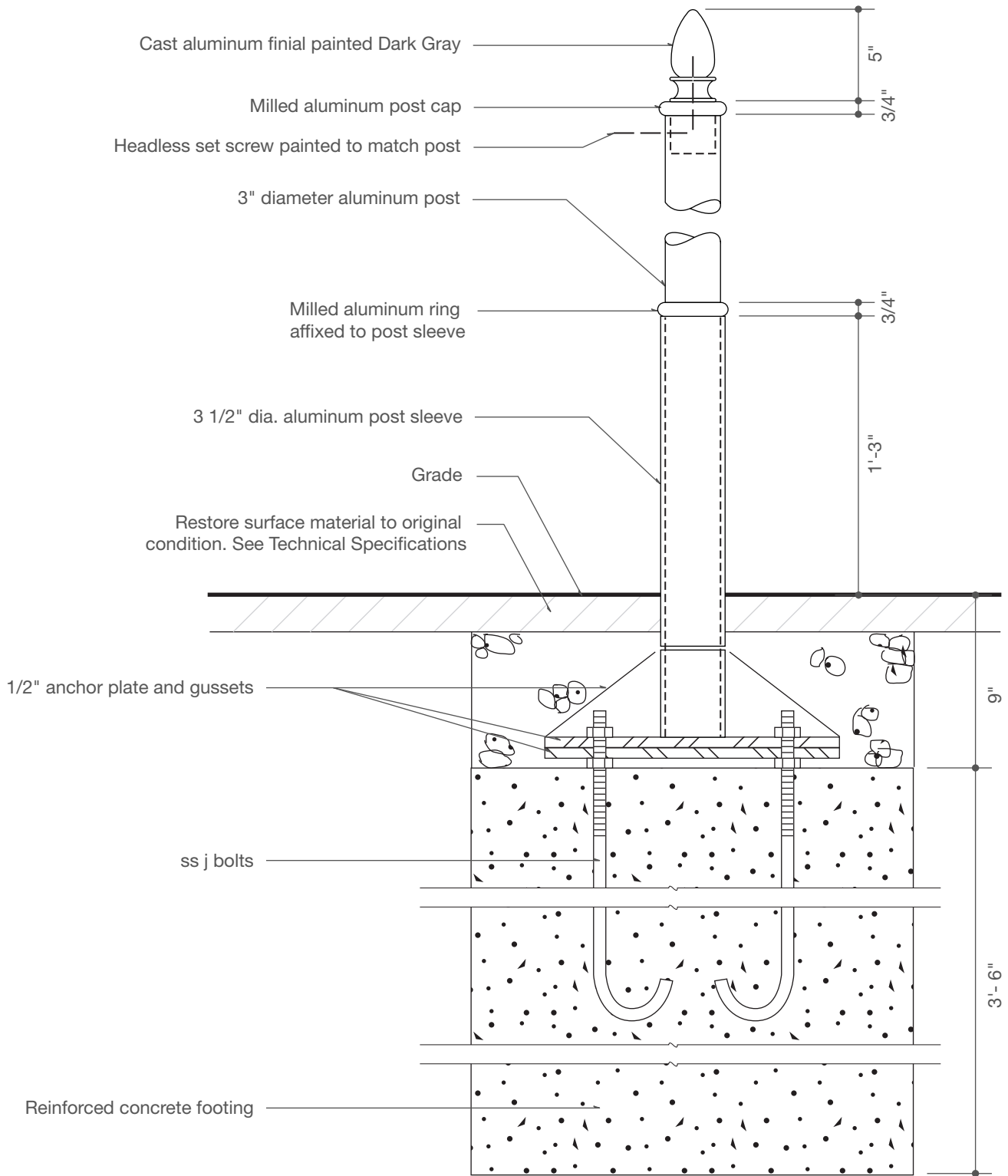


Plan View



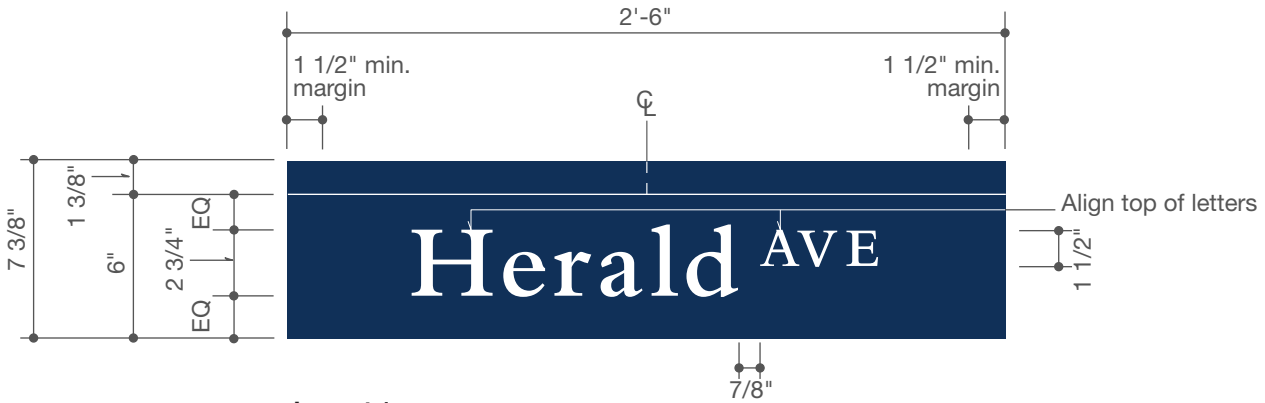
Vertical Section through Sign Panel

Half Scale



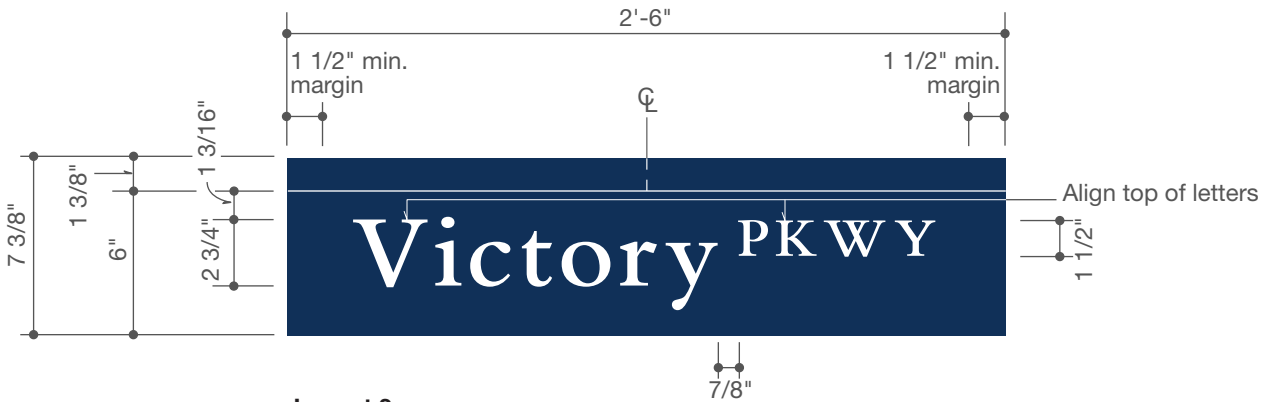
Post Cap, Base and Footing Detail

1 1/2" = 1' - 0"



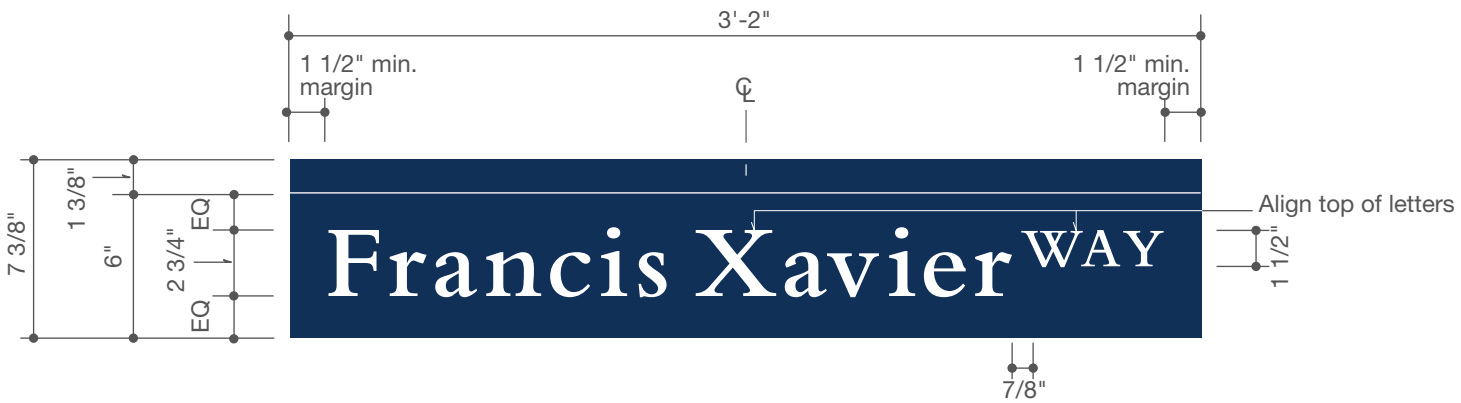
Layout 1

Scale: 1 1/2" = 1' - 0"



Layout 2

Scale: 1 1/2" = 1' - 0"



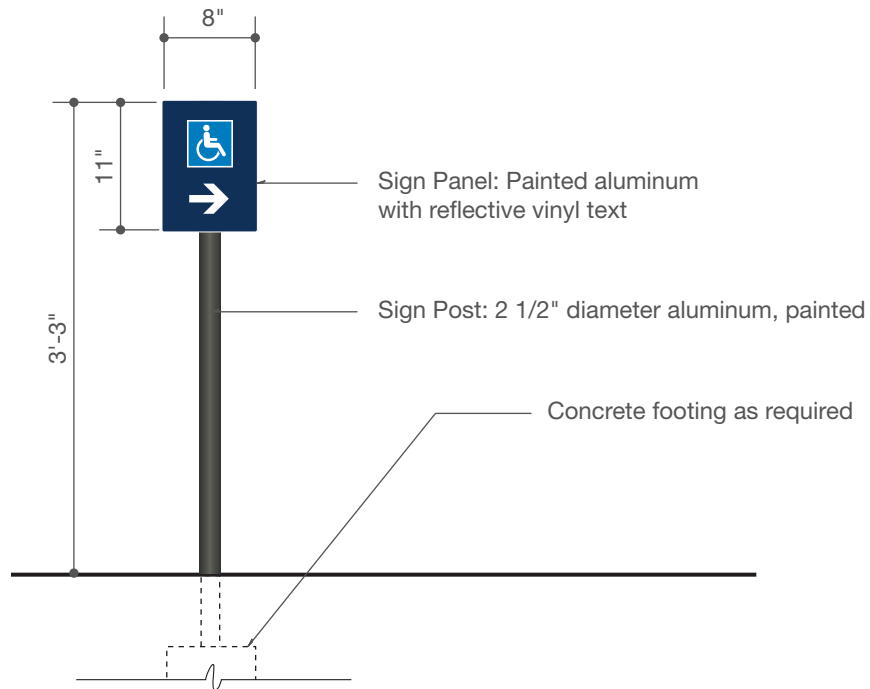
Layout 3

Scale: 1 1/2" = 1' - 0"

Sign Type 144A - Accesible Path, Post and Panel

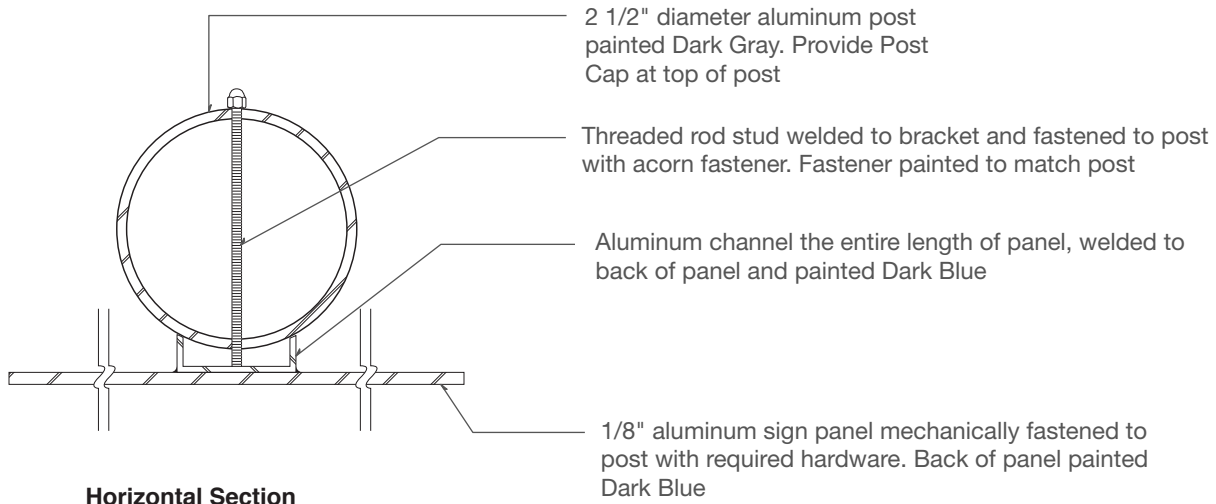
Colors: Sign Post - Dark Gray
Sign Panel - Dark Blue
Arrow - Reflective White
Symbol - As noted in layouts

Description: Single sided aluminum sign panel and aluminum post, painted with reflective vinyl graphics and text.



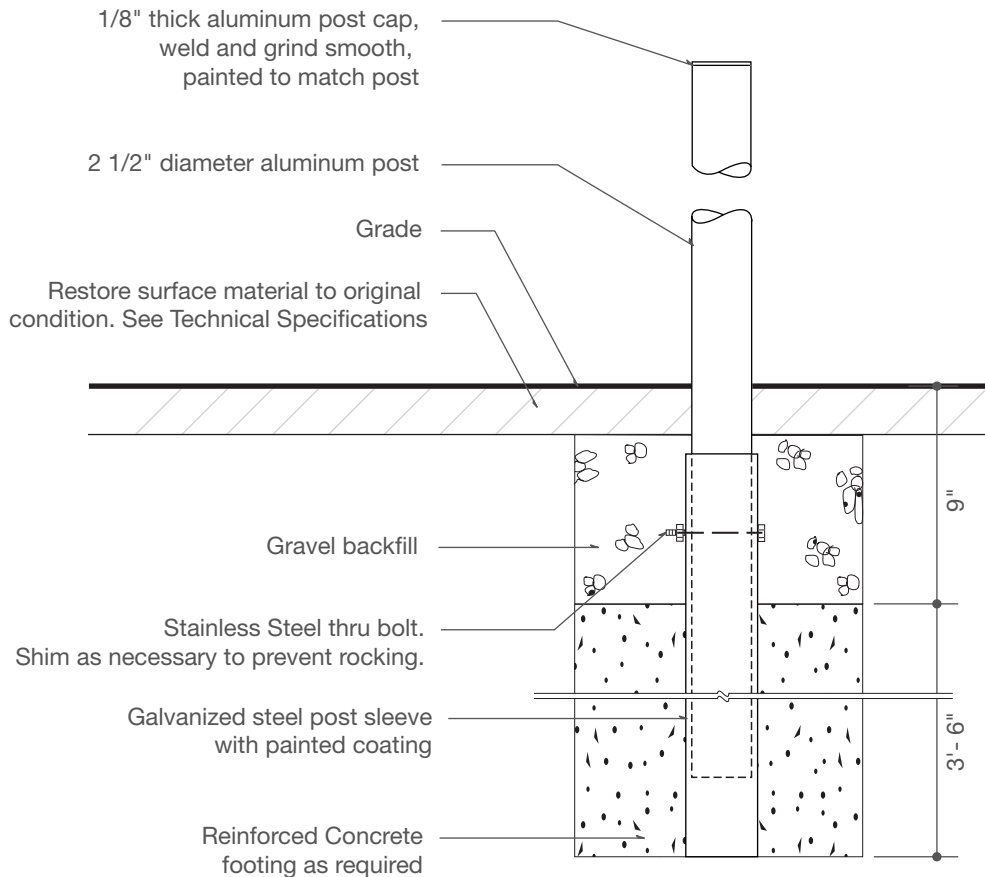
Elevation

Scale: 3/4" = 1' - 0"



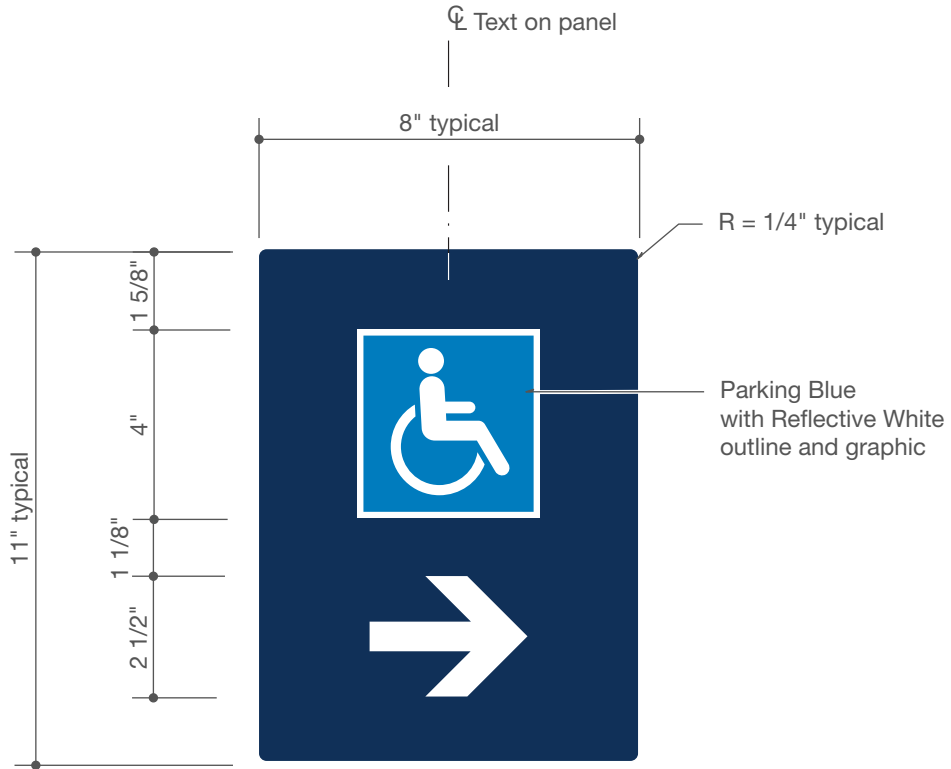
Horizontal Section

Half Size



Footing Detail

1 1/2" = 1' - 0"



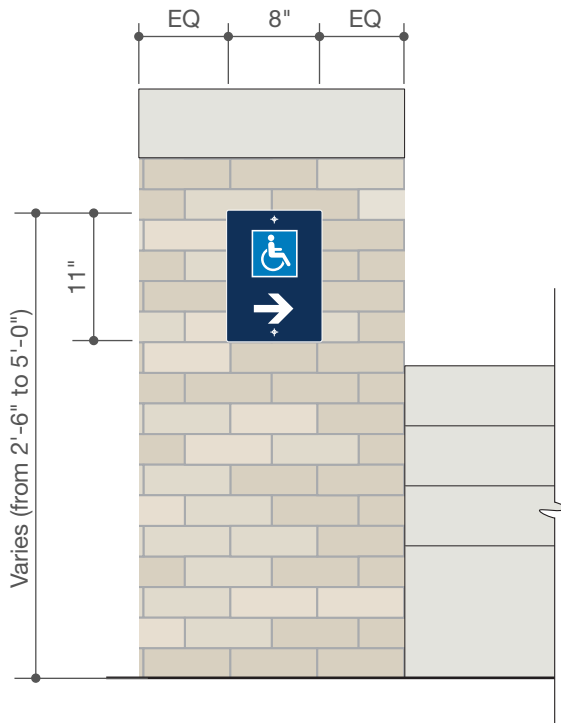
Layout

Scale: 3" = 1' - 0"

Sign Type 144B - Accessible Path Sign, Wall Mounted

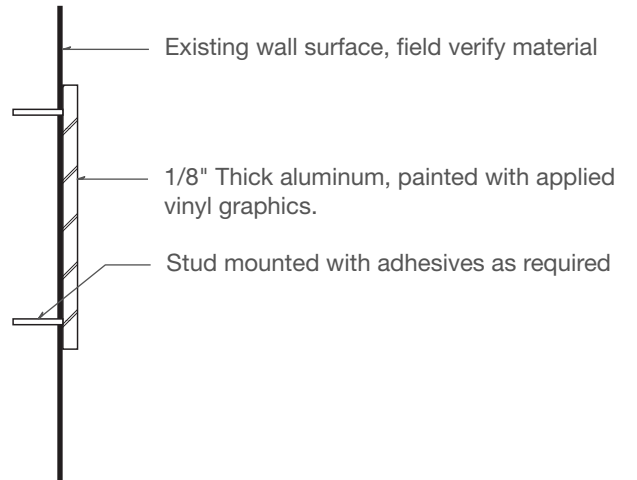
Colors: Sign Panel - Dark Blue
Arrow - Reflective White
Symbol - As noted in layouts

Description: Single sided aluminum sign panel,
painted with reflective vinyl graphics and text.



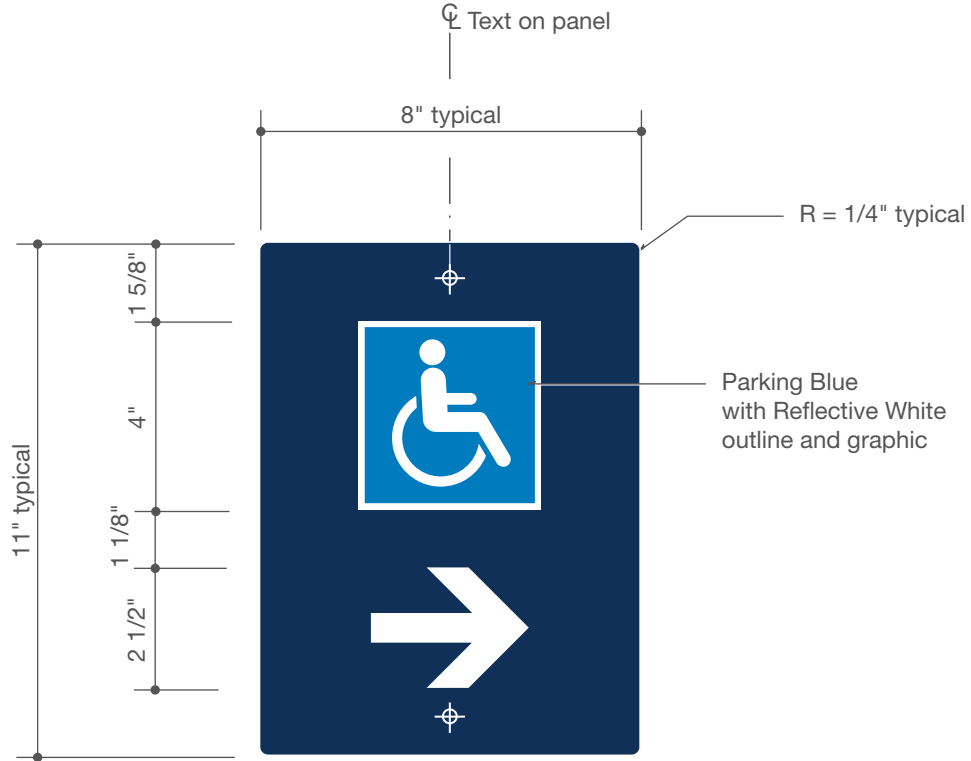
Elevation

Scale: 3/4" = 1' - 0"



Vertical Section

Scale: 1 1/2" = 1' - 0"



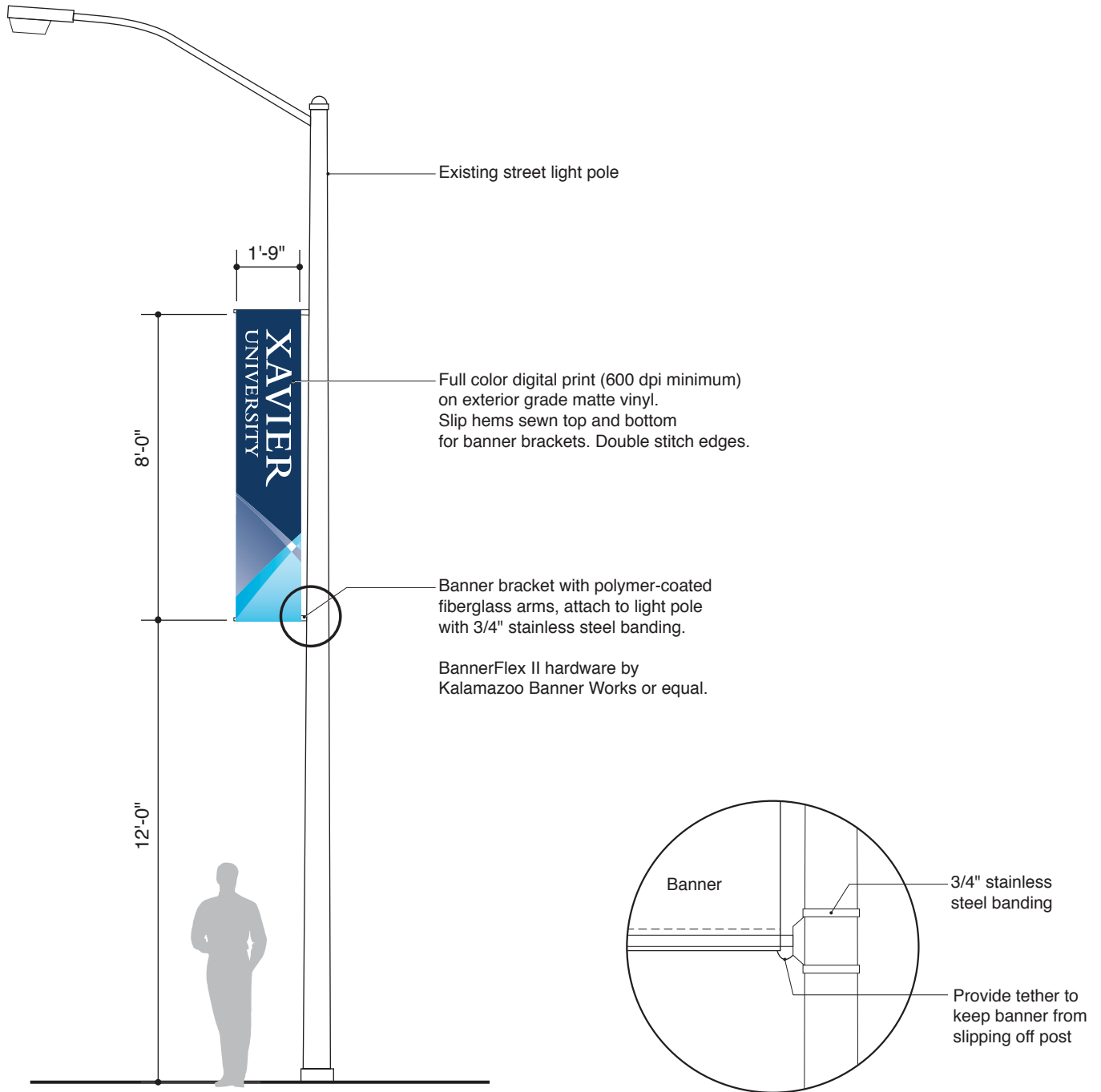
Layout

Scale: 3" = 1' - 0"

Sign Type 150 - Vehicular Light Pole Banner

Artwork: To be provided by Owner.

Description: Double sided digital-print banner with banner brackets top and bottom, mounted to existing street light pole.



Elevation

Scale: 1/4" = 1' - 0"

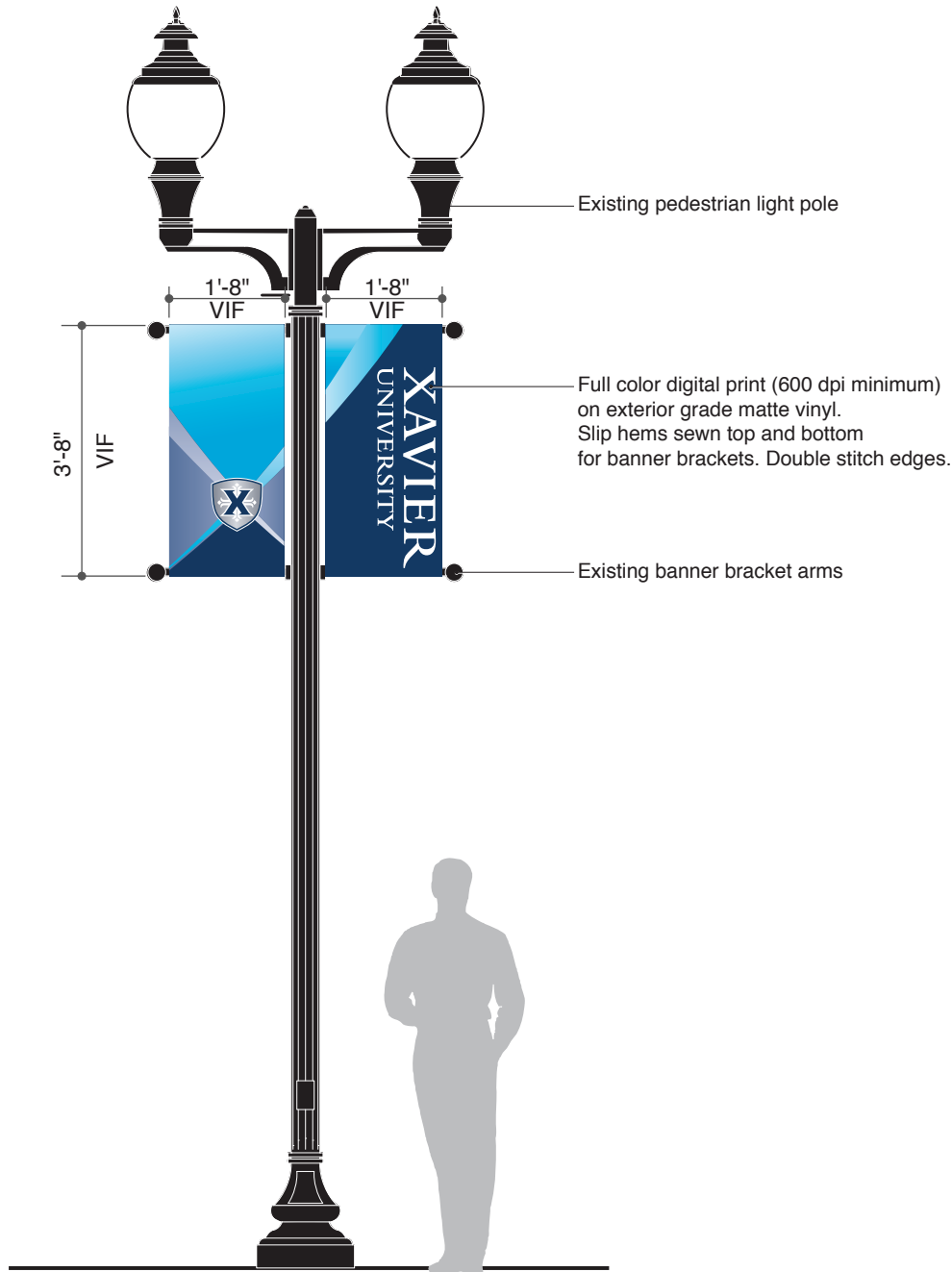
Mounting Detail

Scale: 3/4" = 1' - 0"

Sign Type 151 - Pedestrian Light Pole Banner

Artwork: To be provided by Owner.

Description: Double sided digital-print banner mounted to existing bracket arms on existing pole.



Elevation

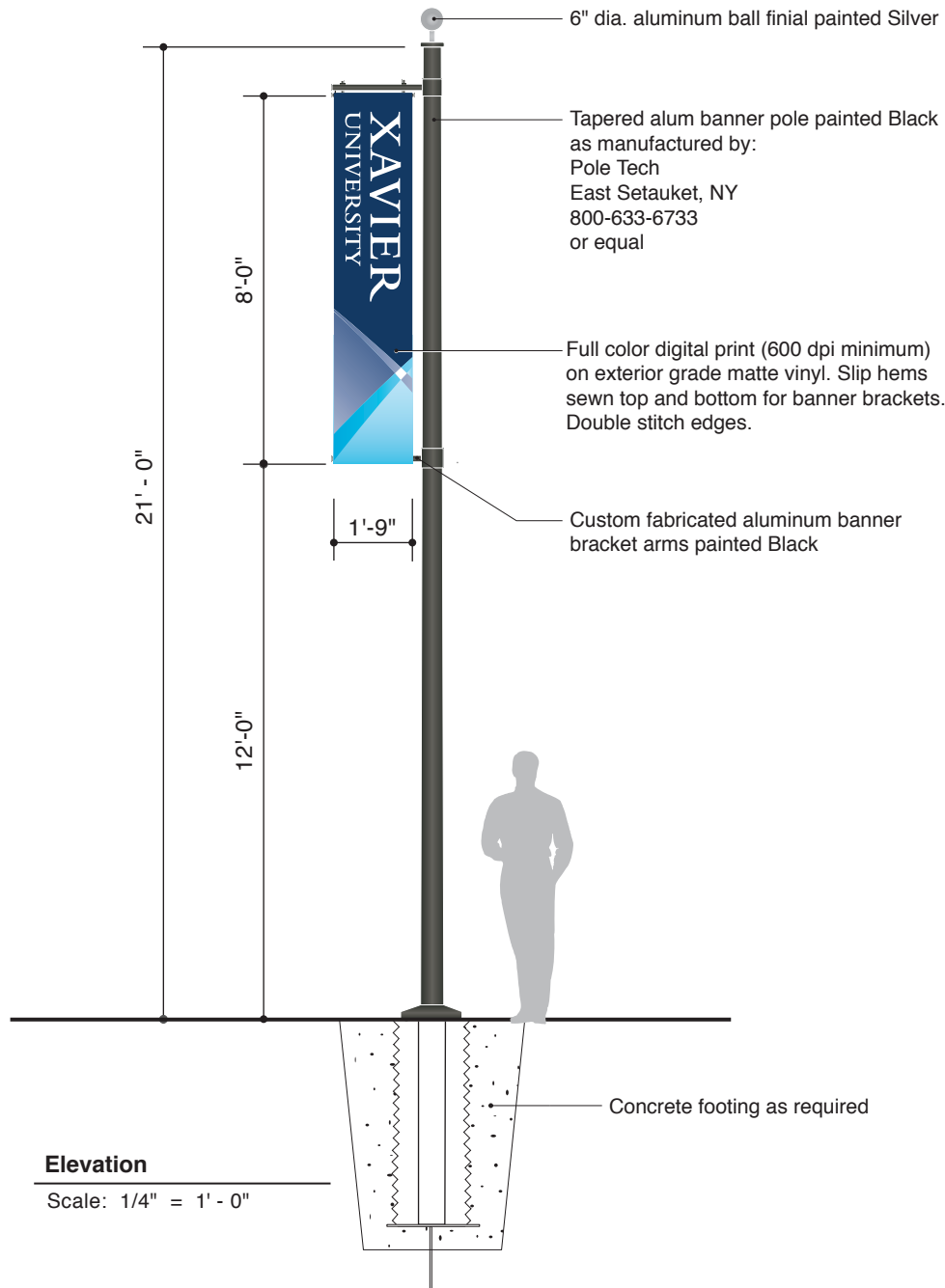
Scale: 3/8" = 1' - 0"

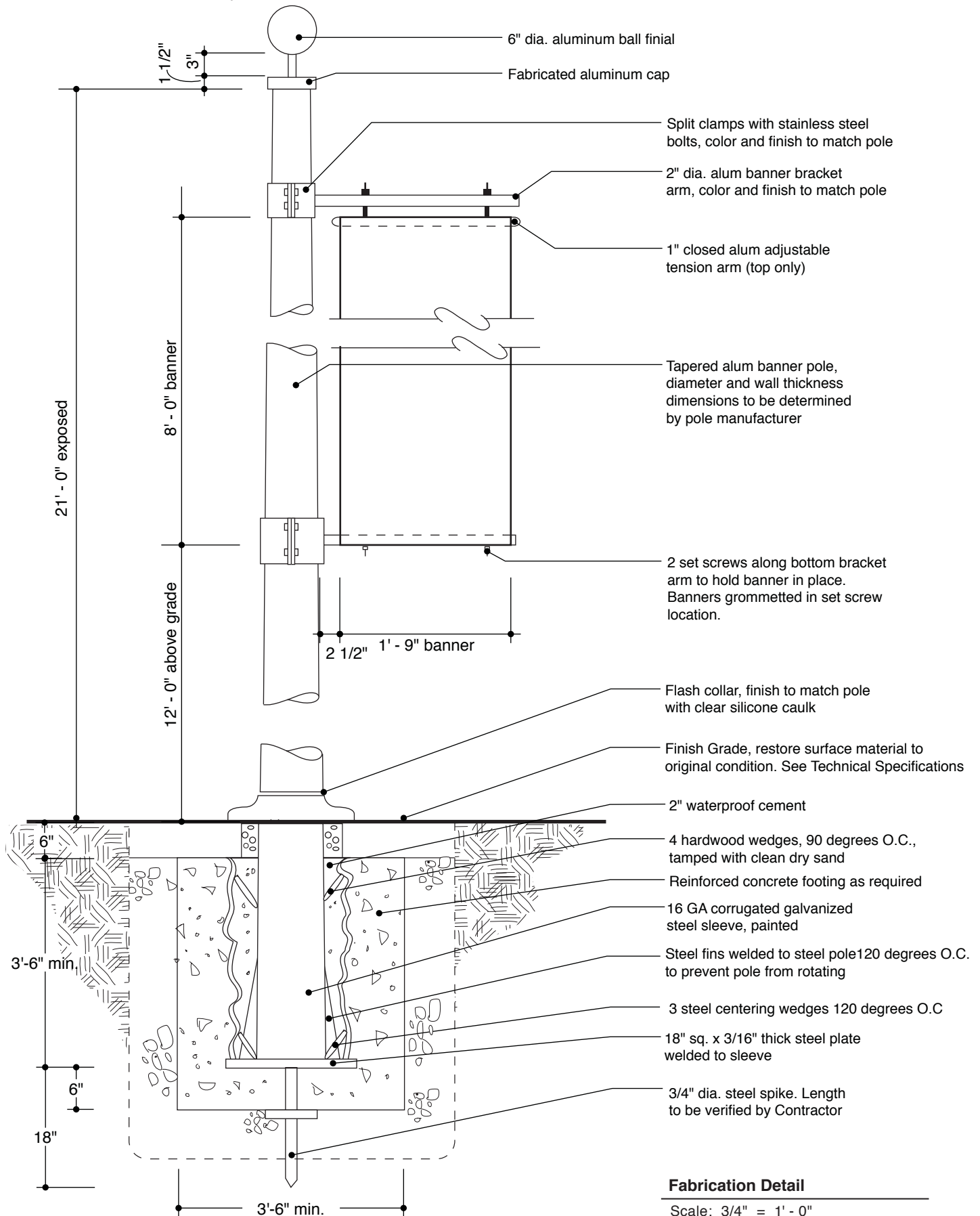
Sign Type 152 - Street Pole Banner

Artwork: To be provided by Owner.

Colors: Banner - Full color, per artwork
Pole and Bracket Arms - Black
Ball Finial - Silver

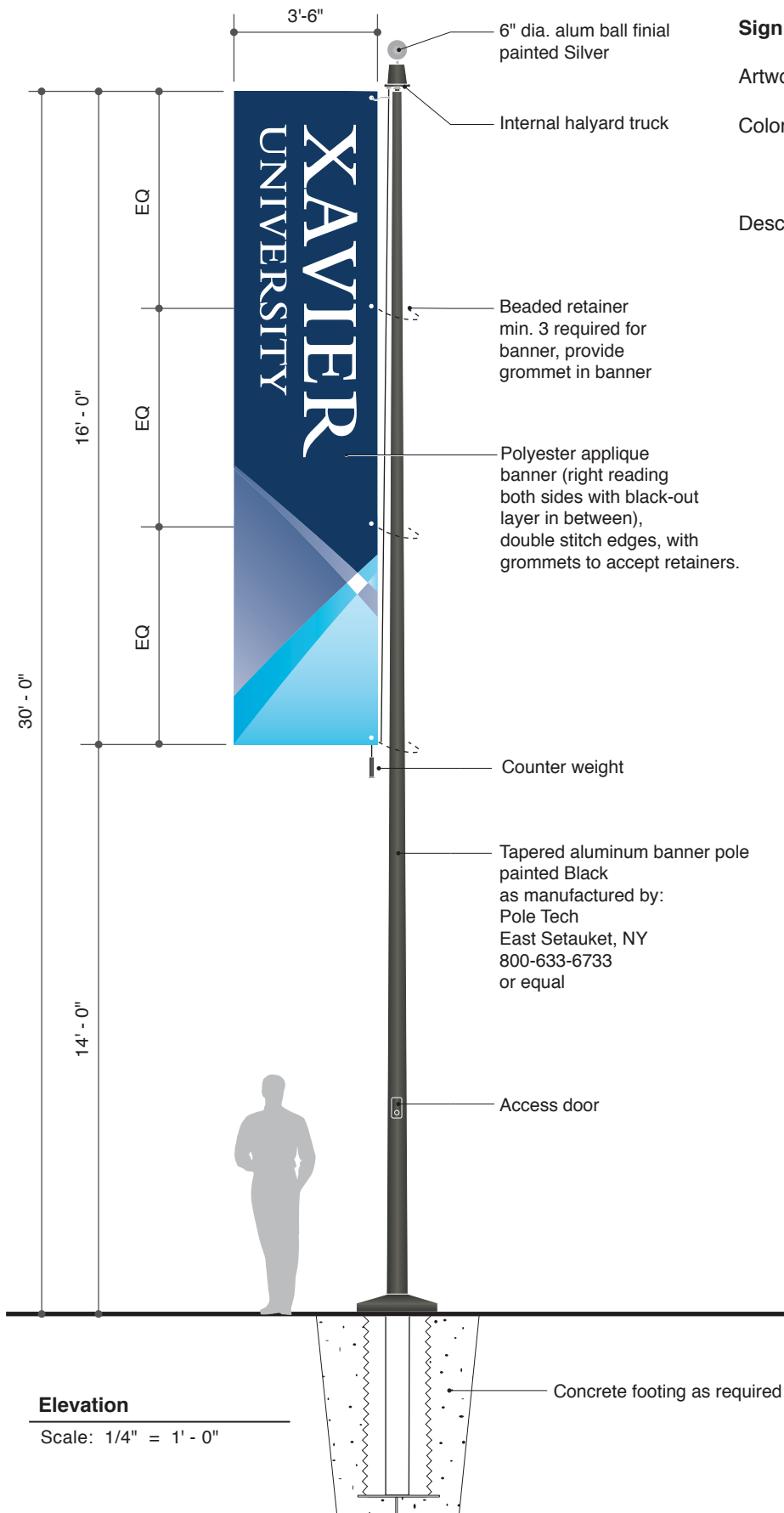
Description: Double sided digital-print banner.
Tapered aluminum banner pole with
fabricated aluminum bracket arms.





Fabrication Detail

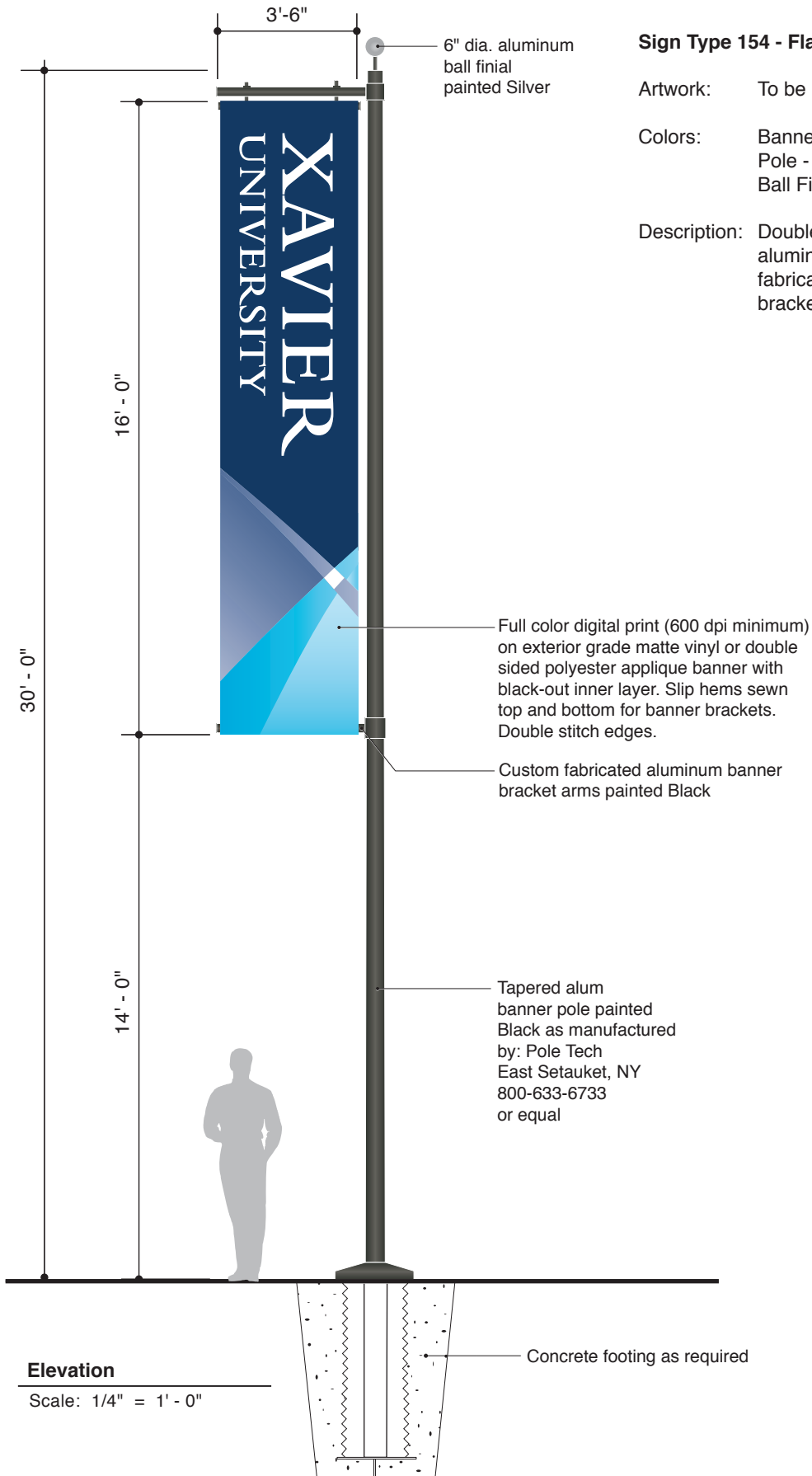
Scale: 3/4" = 1' - 0"



Sign Type 153 - Flag Pole Banner, Halyard

- Artwork: To be provided by Owner
- Colors: Banner - Full color, per artwork
 Pole - Black
 Ball Finial - Silver
- Description: Double sided digital-print banner.
 Tapered aluminum banner pole with internal halyard.

Elevation
 Scale: 1/4" = 1' - 0"



Sign Type 154 - Flag Pole Banner, Fixed Bracket

Artwork: To be provided by Owner.

Colors: Banner - Full color, per artwork
Pole - Black
Ball Finial - Silver

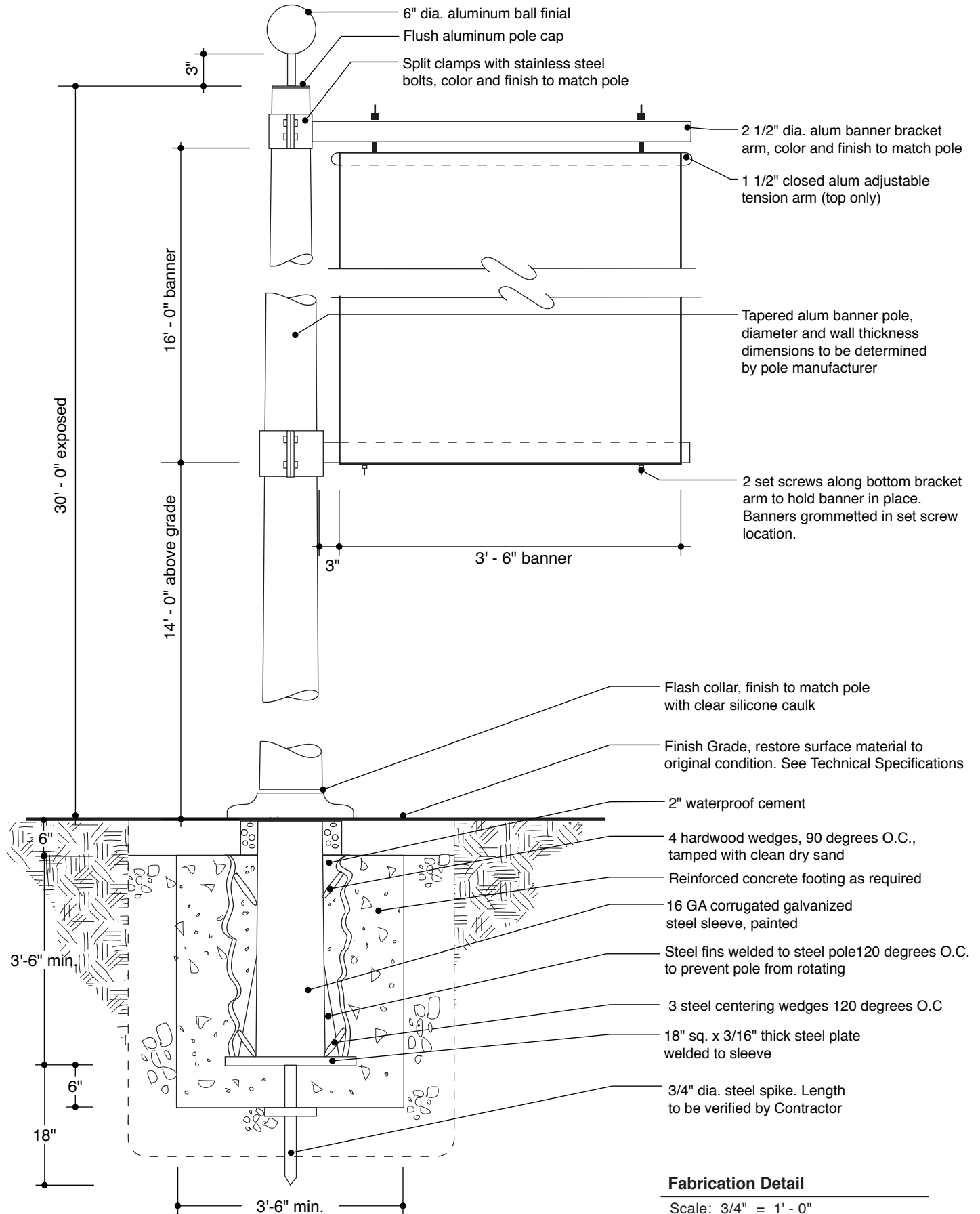
Description: Double sided banner. Tapered aluminum banner pole with fabricated aluminum banner bracket arms.

Elevation

Scale: 1/4" = 1' - 0"

Sign Type 154
Flag Pole Banner, Fixed Bracket

154.2

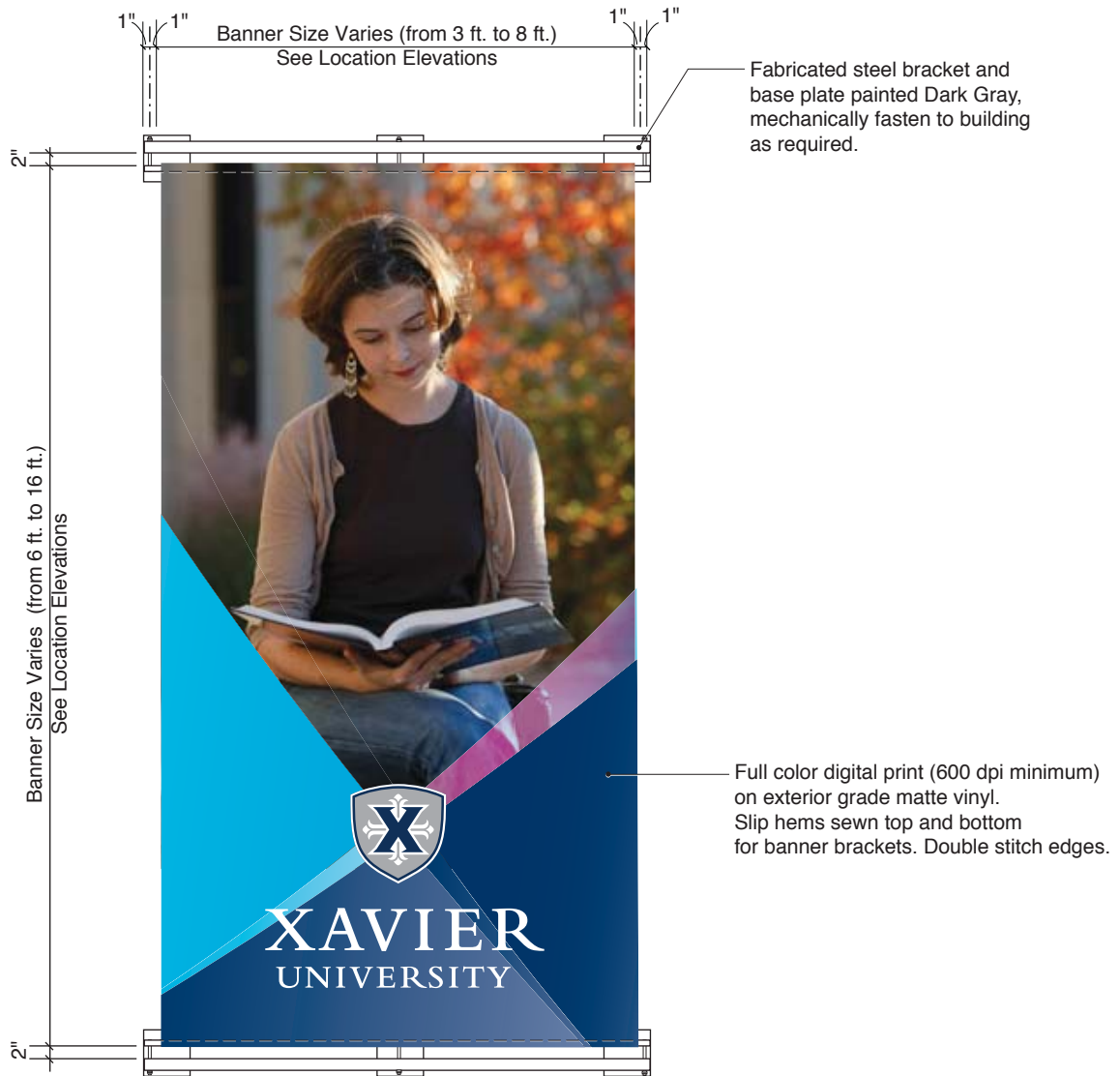


Sign Type 155A - Building Mounted Banner

Artwork: To be provided by Owner.

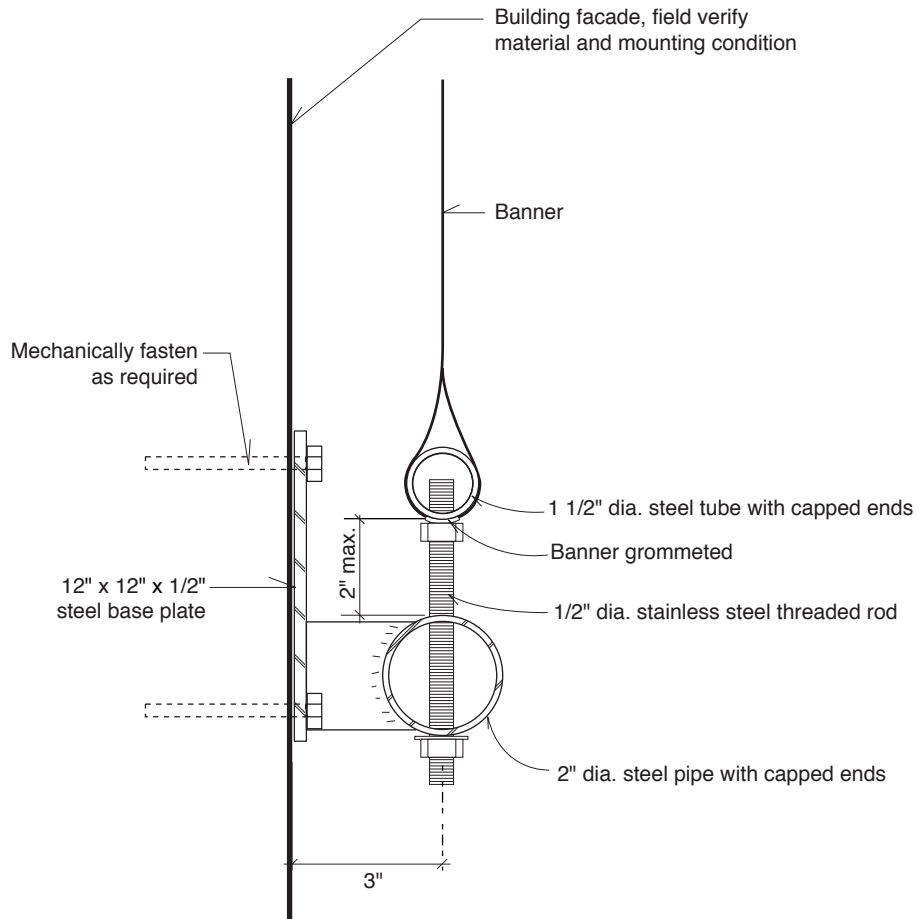
Colors: Banner - Full color, per artwork
Bracket - Dark Gray

Description: Single sided digital-print banner.
Fabricated steel bracket top and bottom.



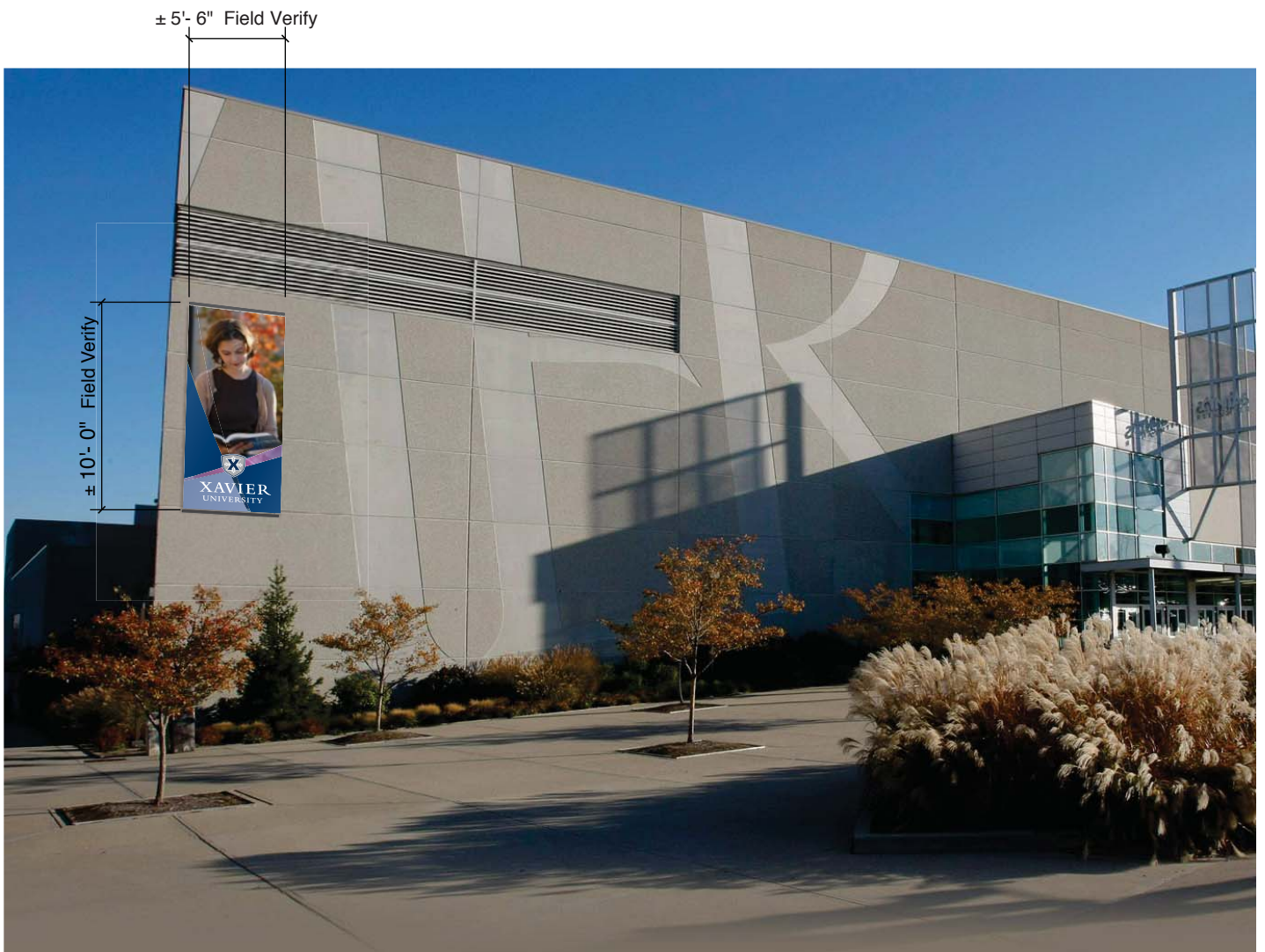
Layout - Example

Scale: 3/8" = 1' - 0"



Vertical Section

Scale: 3" = 1' - 0"



Location Elevation - Example

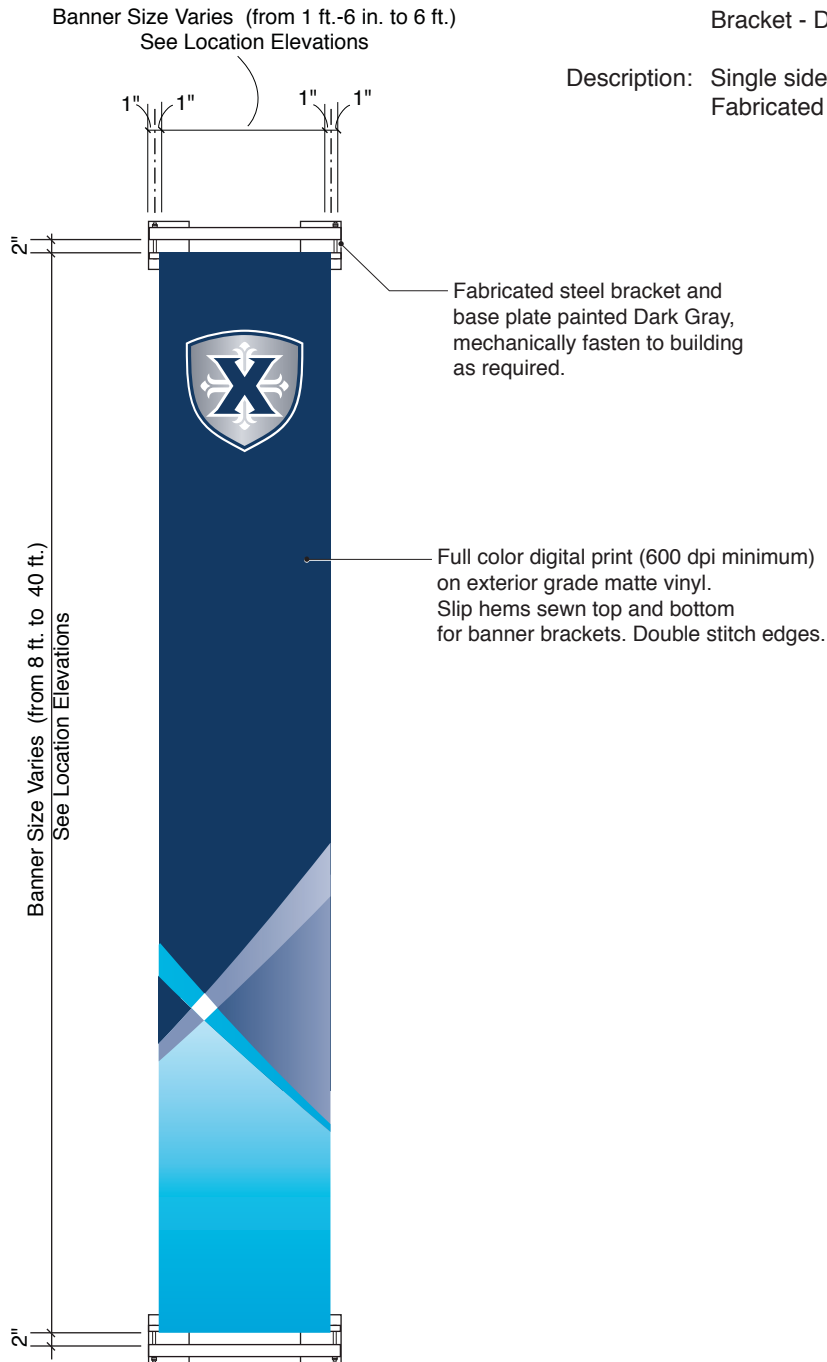
Scale: Not to Scale

Sign Type 155B - Building Mounted Banner, Vertical Strip

Artwork: To be provided by Owner.

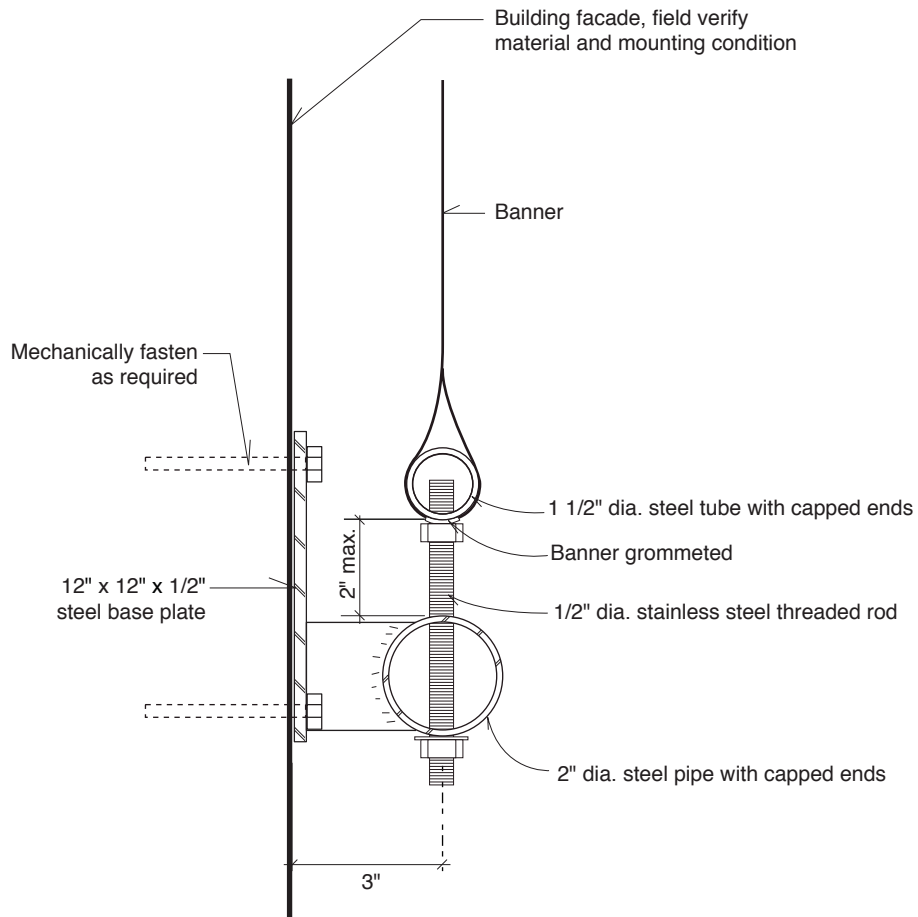
Colors: Banner - Full color, per artwork
 Bracket - Dark Gray

Description: Single sided digital-print banner.
 Fabricated steel bracket top and bottom.



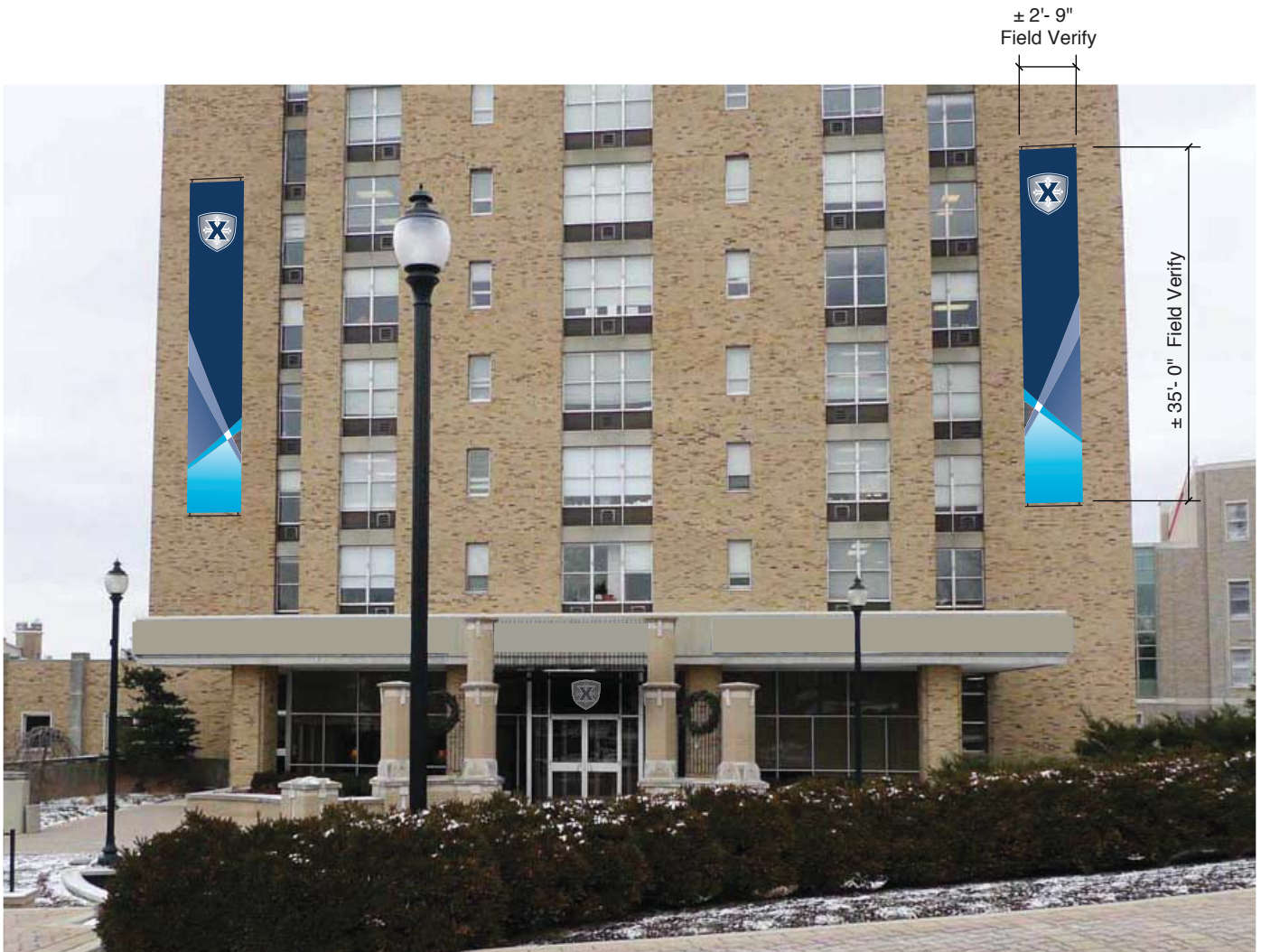
Layout - Example

Scale: 3/8" = 1' - 0"



Vertical Section

Scale: 3" = 1' - 0"



Location Elevation - Example

Scale: Not to Scale