Cloud Gehshan Design

UNIVERSITY of VIRGINIA

SIGNAGE & WAYFINDING GUIDELINES

April 11, 2024

UNIVERSITY of VIRGINIA

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University of Virginia Signage and Wayfinding Study	23UVA167002

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Section **1 Introduction**

Design Statement

The design standards within this document reflect the needs and desires of many stakeholders within UVA and were championed by the Office of the Architect, Facilities Management, and University Communications.

While the signage design will serve the faculty and students, the messaging featured on signage is prioritized for first-time visitors and those who aren't on Grounds regularly.

The comprehensive system is developed to achieve the goal of creating a placebrand for Grounds through a unified design language, enhancing the recognition of the areas of Grounds and its use as a wayfinding tool, and providing vehicular and pedestrian directional information to aide in self-navigation.

The Cloud Gehshan Design team would like to thank the many stakeholders who informed and contributed to these guidelines including but not limited to:

Office of the Architect

Alice Raucher, Architect for the University of Virginia

Helen Wilson, Senior Landscape Architect

Jennifer Wise, Assistant Director of Creative Services, Facilities Management

Facilities

Mark Stanis, Director, Capital Construction & Renovation

Jennifer Watson, Assistant Director, Creative Services

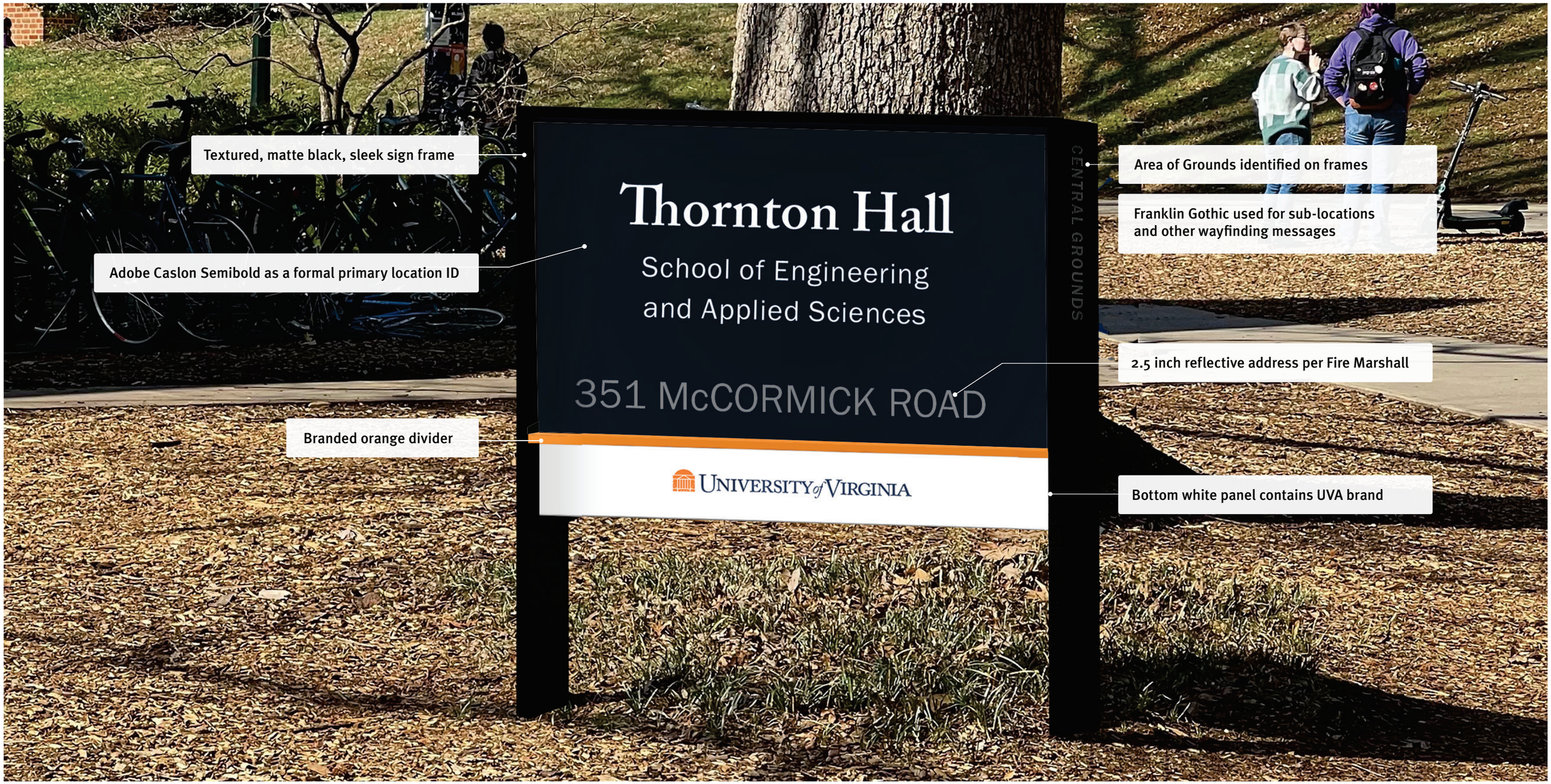
Warren Wood, Sign Shop Superintendent

Marketing

Elizabeth Thiel Mather, Executive Director of Marketing

Meghan McNicholas, Marketing Associate

Anatomy of a Sign



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Section **2 Basic Standards**

UVA Logos and Example Lockups

A1 Primary Logo

A2 Horizontal Logo

A3 Centered Logo

A4 V-Saber Full Color
Athletic Use

A5 V-Saber Cavalier Orange
Athletic Use

A6 Cavalier Font "Virginia"
Athletic Use

School Formal Monogram

School Informal Monogram

2. Basic Standards

Graphic Standards

Notes:

The logotypes shown here are current as of January 2024.

Please refer to brand.virginia.edu for the most up-to-date artwork.

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Colors

Color Swatches	Number	Color	Specification – color to match	Fabrication Process
	P1	UVA Blue	MP112754, UVA Blue	Matthews Acrylic Polyurethane Paint, Satin Finish Digital Print
	P2	UVA Orange	MP112755, UVA Orange	Matthews Acrylic Polyurethane Paint, Satin Finish Digital Print
	P3	White	MP Designer White	Matthews Acrylic Polyurethane Paint, Satin Finish Digital Print
	P4	Cavalier Orange	Pantone 172 C	Digital Print
	P5	UVA Blue Tint	MP73248, Pantone 5425 C	Matthews Acrylic Polyurethane Paint, Satin Finish Digital Print
	P7	Medium Gray	MP00516 Grey, Pantone 400 C	Matthews Acrylic Polyurethane Paint, Satin Finish Digital Print
	P8	Regulatory Gray	MP36465 R167179	Matthews Acrylic Polyurethane Paint, Satin Finish Digital Print
	P9	Textured Black	MP833 R229865, PROC BLACK C	Matthews Acrylic Polyurethane Paint, Medium Suede Finish, 287112SP. Digital Print
	P10	Regulatory Red	MP10256	Digital Print
	P11	Swiss Coffee White	MP5780 R220857	Matthews Acrylic Polyurethane Paint, Satin Finish Digital Print
	P12	Black	MP59647, Pantone 4C	Matthews Acrylic Polyurethane Paint, Satin Finish Digital Print

Graphic Standards

Color Schedule

Paints

- Matthews paint products are specified for exterior signage and display hardware and related elements.

- Gloss finish of paint specified is to be 60 degrees or 29.8 on a 60 degree glossimeter. Refer to performance requirements of exact specifications.

- All acrylic polyurethane finishes require final clear coat finish.

Matthews Paint Company
800.323.6593
www.matthewspaint.com

Materials

Material	Number	Type	Specification	Fabrication Process
	M1	Aluminum	Horizontal Brush Finish	Satin Finish
	M2	Acrylic Sheeting	P95 acrylic (frosted acrylic)	Cut by sign shop, sand down all edge returns to remove any visible cut marks from machine
	M3	White Reflective Vinyl	3M 3200T – Engineer Grade Reflective Sheeting	Digitally cut applied vinyl
	M4	Red Reflective Vinyl	3M 3273 – Engineer Grade Reflective Sheeting	Digitally cut applied vinyl
	M5	Photoluminescent Material	LUMA-press photoluminescence embedded acrylic by Encompass	Embedded thermo-formed substrate

Graphic Standards

All acrylic polyurethane finishes require final clear coat finish.

3M Commercial Graphics Division
800.328.3908
www.3M.com/us/graphicarts

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Typography

F1 Franklin Gothic URW – Demi

Used on: Interior directories, Garage signage

Tracking: +10, Optical on interior directories

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890

F2 Franklin Gothic URW – Medium

Used on: Grounds ID, Vehicular messages, Large-sign messages

Tracking: +50, Optical on etched return messages

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890

F3 Franklin Gothic URW – Book

Used on: Pedestrian and wayfinding messages

Tracking: +30, Optical on sublocations on BID 1
+10, Optical on directional locations, regulatory messages

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890

F4 Franklin Gothic URW – Condensed, Medium

Used on: Street signs

Tracking: +10, Optical on street signs

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890

F5 Adobe Caslon – Semibold

Used on: Formal names of buildings and

Tracking: +5, Optical on Building ID titles

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890

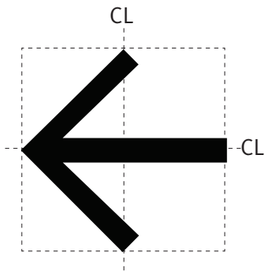
Set kerning tracks to visually approximate sign drawings. Tracking shown may vary from exact tracking used to create sign drawings. Refer to specific applications for type sizes and leading requirements.

Adobe Illustrator character formatting
Adjusting kerning/tracking

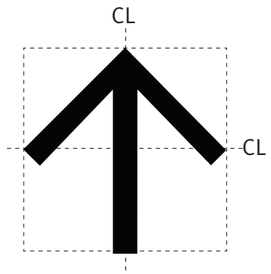
Tracking control – set all to Optical

Arrows

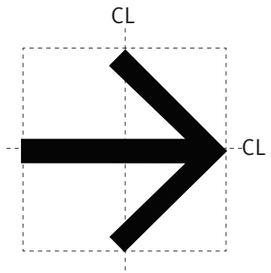
Light Arrows – Used in pedestrian-scale signage. Complements Franklin Gothic Book font.



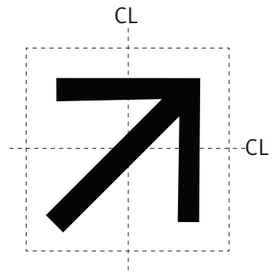
A1 Light Arrow Left



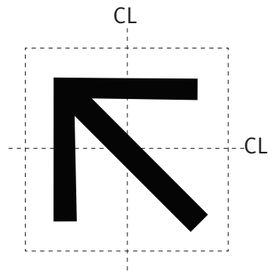
A2 Light Arrow Up



A3 Light Arrow Right

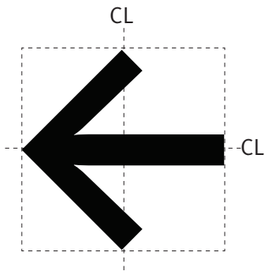


A4 Light Arrow Upper Right

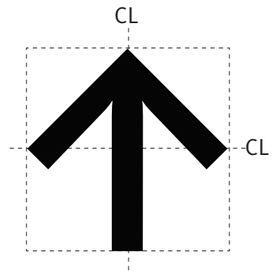


A5 Light Arrow Upper Left

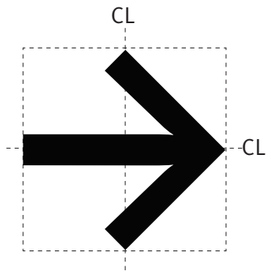
Heavy Arrows – Used in vehicular and large-scale signage. Complements Franklin Gothic Medium font.



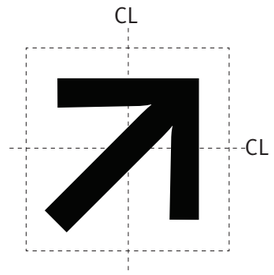
A6 Heavy Arrow Left



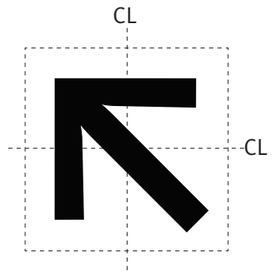
A7 Heavy Arrow Up



A8 Heavy Arrow Right



A9 Heavy Arrow Upper Right



A10 Heavy Arrow Upper Left

Arrows & Symbols

Notes

The graphic element(s) shown on this page have been carefully created, sized and spaced.

Artwork for these element(s) will be provided as electronic, digital files.

Arrow order is Right, Left, Up

Symbols

S1 No Smoking

S2 No Parking

S3 No Biking / Motor Vehicles

S4 Hearing Loop

S5 Accessible

S6 Male Only Restroom

S7 Female Only Restroom

S8 Non-Gender Specific Restroom

S9 Accessible Male Restroom

S10 Accessible Female Restroom

S11 Accessible Restroom

S12 Parking

S13 Bus Transport

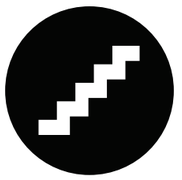
S14 EV Charging

S15 Dining

S16 Visitor Information

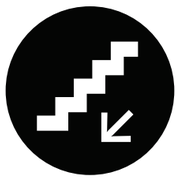
S17 Cafe

S18 ATM



S19 Stairway

S20 Stairway Up



S21 Stairway Down

S22 Interstate 250

S23 Interstate 29

UNIVERSITY of VIRGINIA

2. Basic Standards

Graphic Standards

Arrows & Symbols

Notes

The graphic element(s) shown on this page have been carefully created, sized and spaced.

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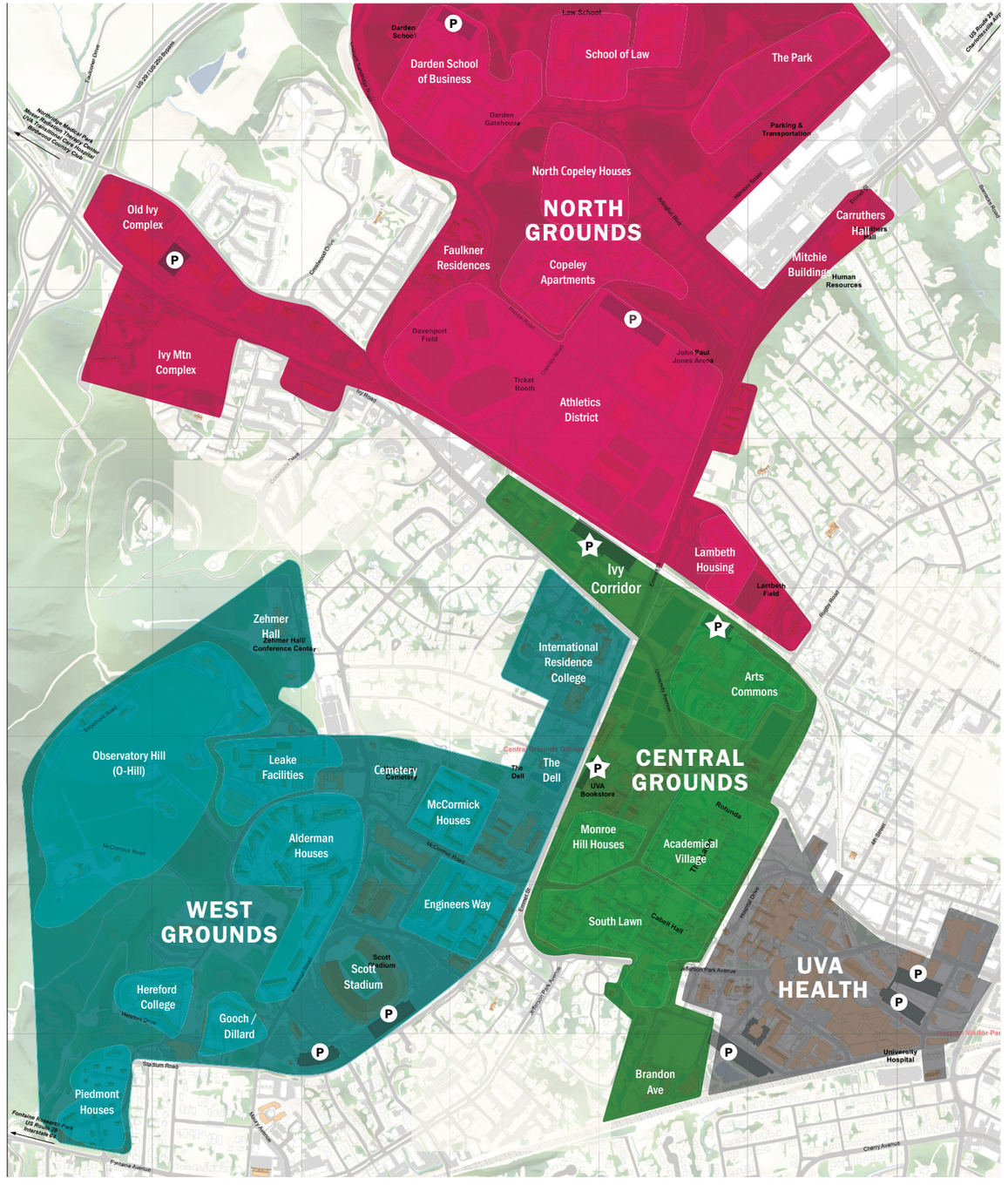
Grounds Designation and ID

Grounds designations are unique to UVA and a helpful wayfinding tool for visitors.

This diagram shows major destinations and the area of Grounds they are located within.

When wayfinding, it is desired to direct to the Grounds first and then local destinations will be seen. It is imperative to the success of the signage system that staff and faculty at UVA are supporting this strategy when giving verbal and written directions.



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Revisions

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N/A

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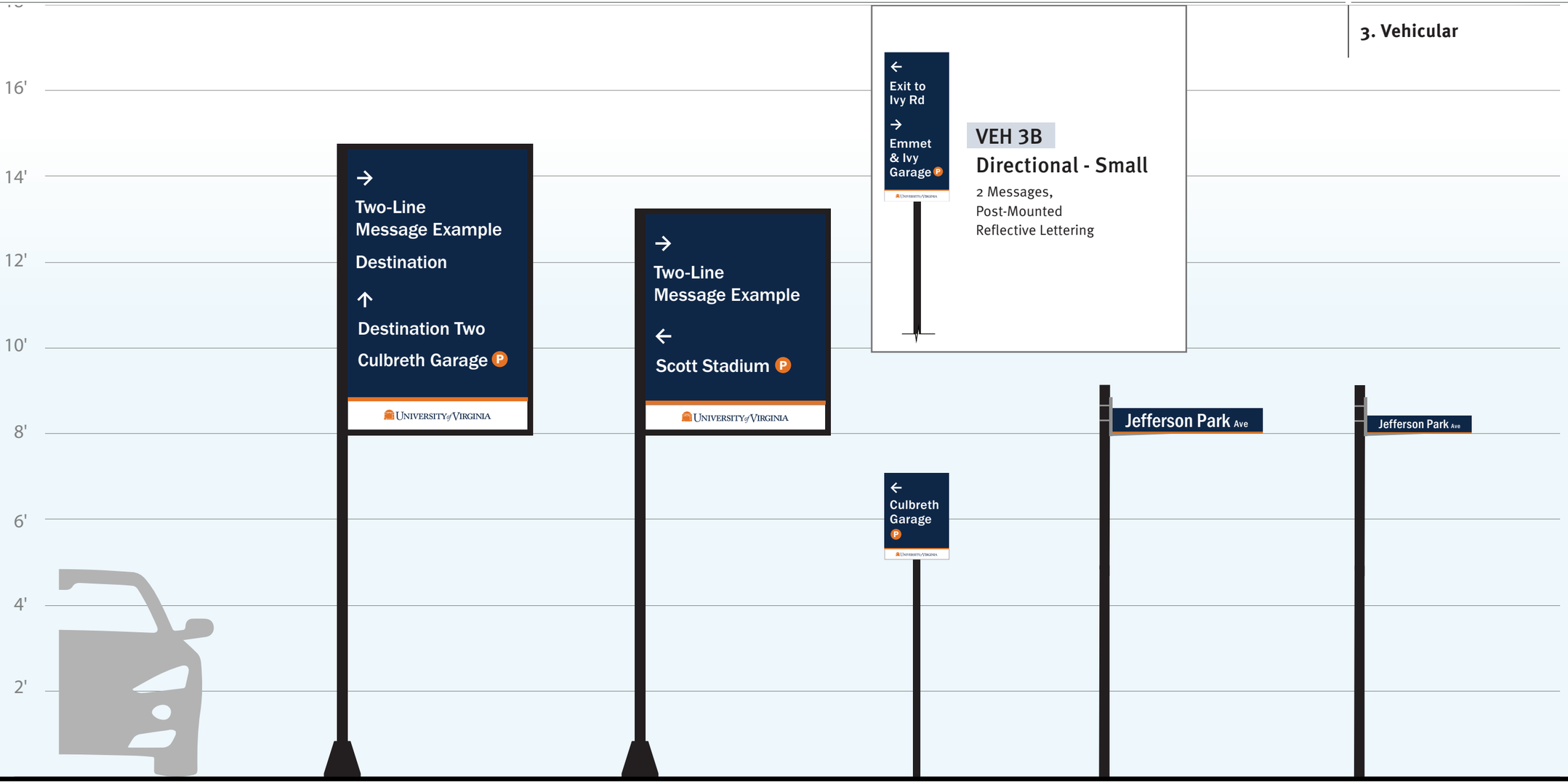
Section **3 Vehicular Navigation**

Vehicular Directional Signage – Overview



VEH 3B

Directional - Small

2 Messages,
Post-Mounted
Reflective Lettering

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

VEH 1

Directional - Large

3-4 Messages,
Reflective Lettering

VEH 2

Directional - Medium

2-3 Messages,
Reflective Lettering

VEH 3A

Directional - Small

1 Messages,
Post-Mounted
Reflective Lettering

VEH 4
Street Sign - Large

Attached to existing
mounting system and posts

VEH 5
Street Sign - Small

Attached to existing
mounting system and posts

This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:
- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

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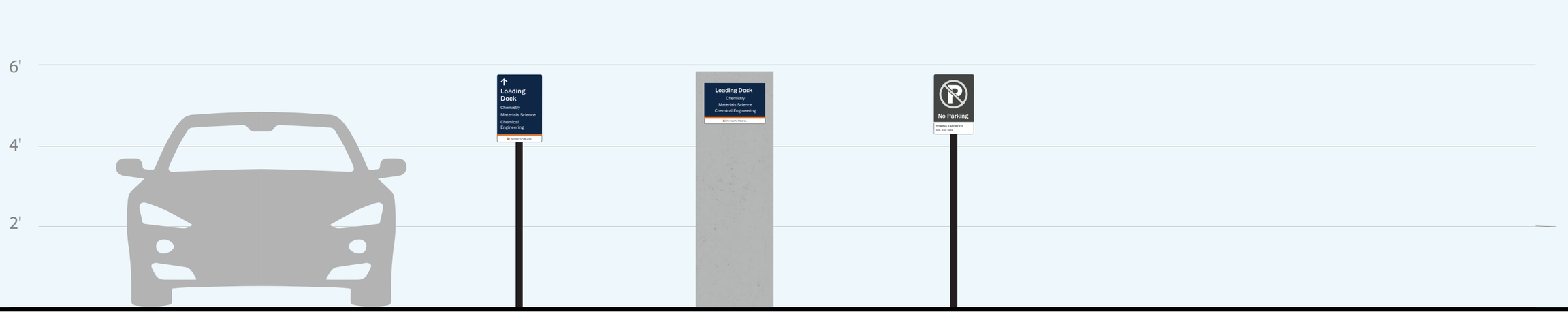
Vehicular Parking Signage – Overview, continued



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

VEH 11
Loading Dock Directional
Post-mounted

VEH 12
Loading Dock ID
Wall-mounted

VEH 13
No Parking
Post-mounted

This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:
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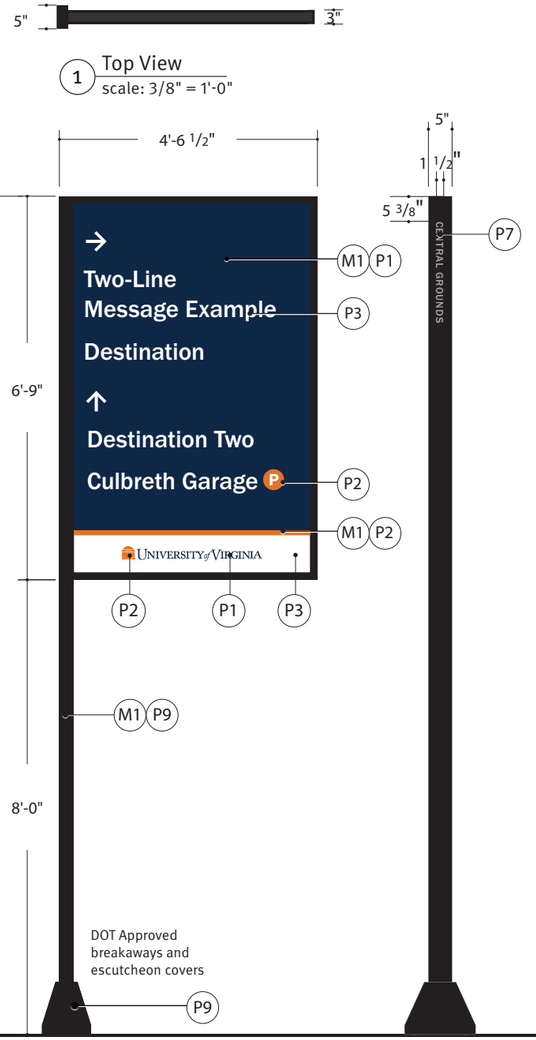
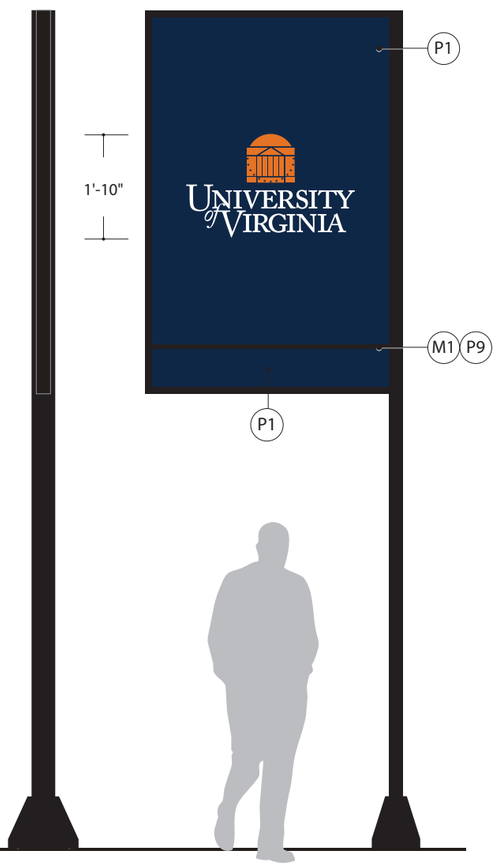
VEH 1 – Vehicular Directional, Large (Elevation & Layout)



1 Top View
scale: 3/8" = 1'-0"

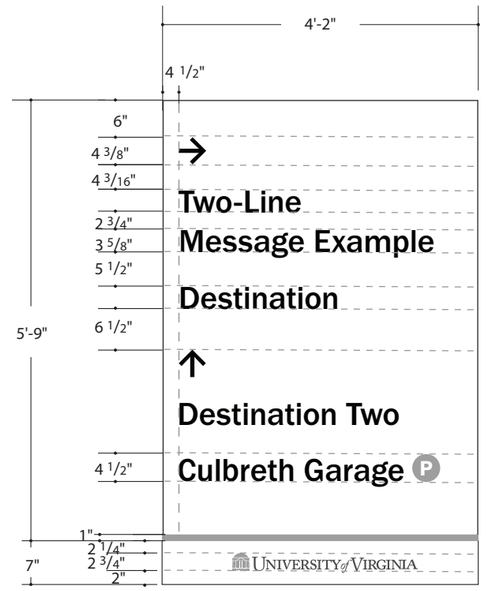
2 Elevation, Front
scale: 3/8" = 1'-0"



3 Sideview
scale: 3/8" = 1'-0"

4 Right Sideview
scale: 3/8" = 1'-0"

5 Rear view
scale: 3/8" = 1'-0"



6 Panel
scale: 1/2" = 1'-0"

How / When to Use:

1. To be used on high traffic roadways where more than 3 messages are required. Maximum allowance is 4 messages.
2. Messages should be high level and direct to Grounds when not within that area (if in North Grounds, Central and West Grounds should be directed to.) Major destinations may be listed on VEH1's within the Grounds the sign is mounted (Culbreth Road Garage may be listed on signs within Central Grounds).
3. Shortened names without donor names are to be listed on vehicular directionals where possible.
4. The white band may ONLY include the UVA lockup as shown. No modifications are acceptable.
5. The Grounds modifier should always be listed on the street facing side of the post.
6. Commuter parking lots do not receive parking P symbol.
7. This sign may NOT be mounted with any portion of the sign blocking a sidewalk.

This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:
- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
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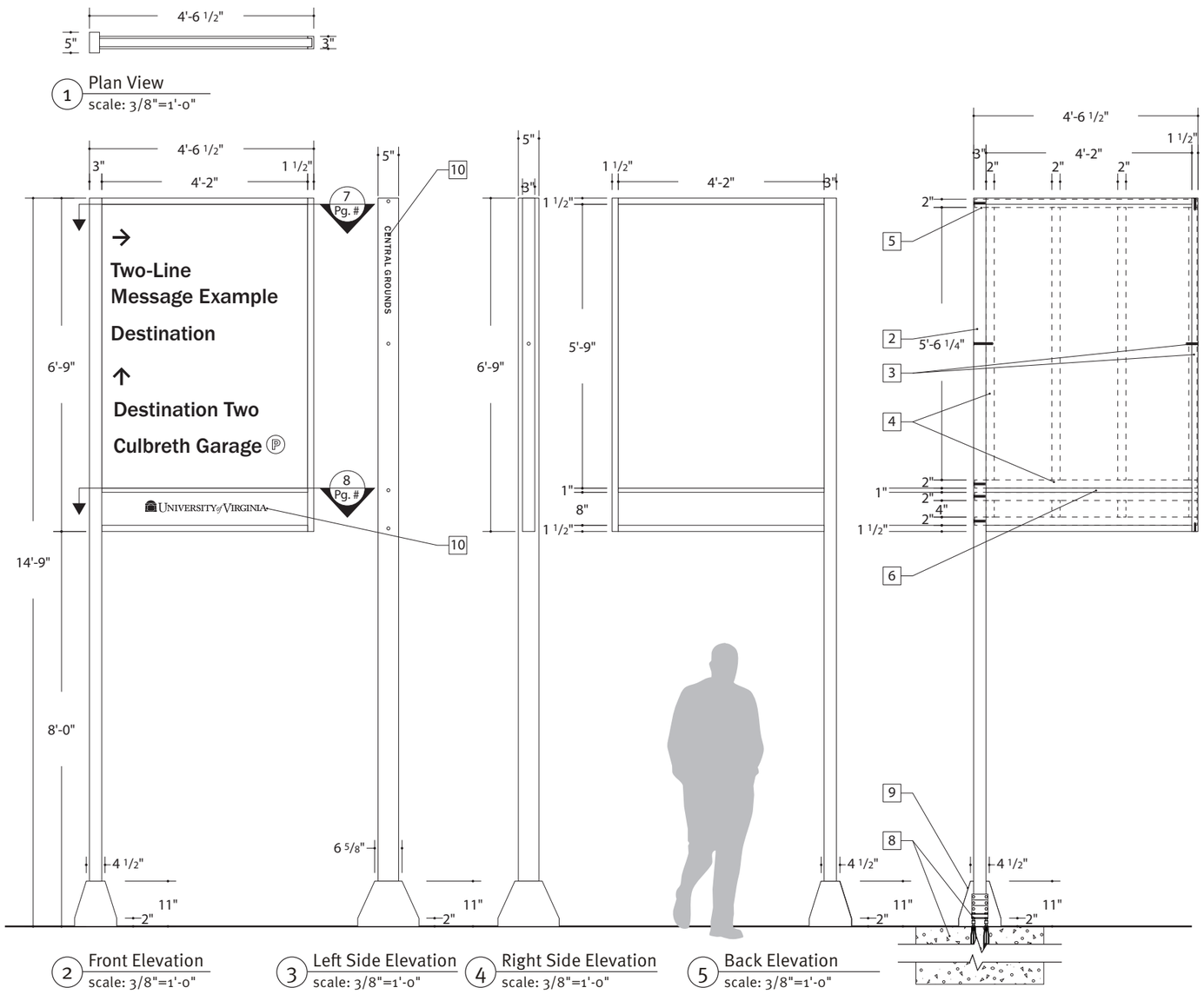
VEH 1 – Vehicular Directional, Large (Construction Details)



1 Plan View
scale: 3/8"=1'-0"

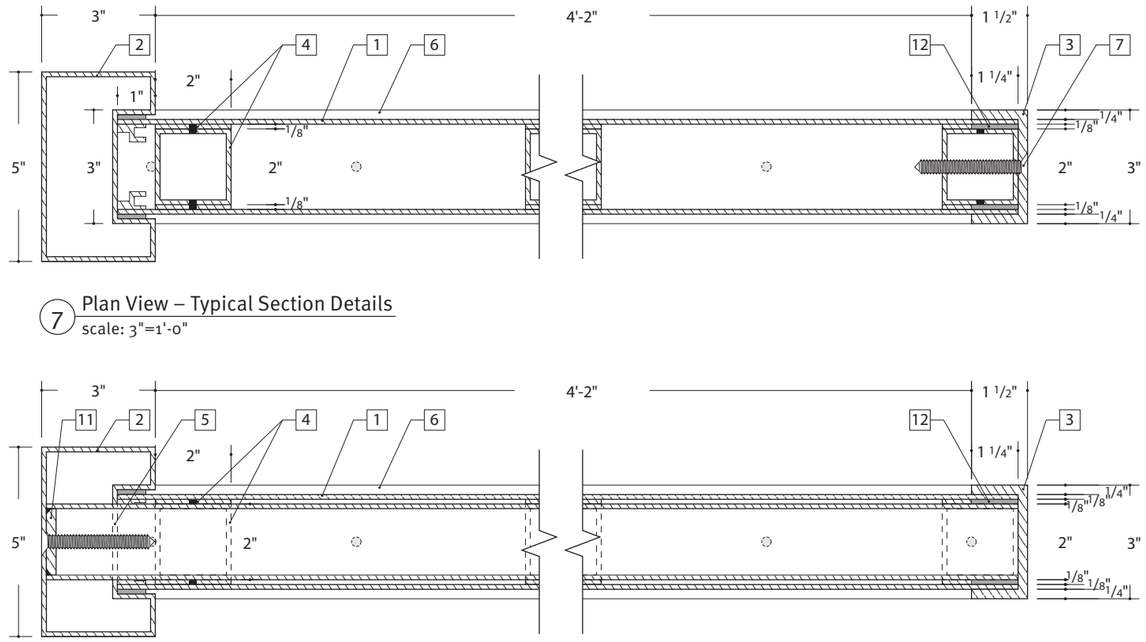
2 Front Elevation
scale: 3/8"=1'-0"

3 Left Side Elevation
scale: 3/8"=1'-0"

4 Right Side Elevation
scale: 3/8"=1'-0"

5 Back Elevation
scale: 3/8"=1'-0"

6 Aluminum Frame Details
scale: 3/8"=1'-0"



7 Plan View – Typical Section Details
scale: 3"=1'-0"

8 Plan View – Typical Section Details
scale: 3"=1'-0"

1. Removable 1/8" painted aluminum sign face, with digitally printed graphics and cut reflective vinyl applied to the surface
2. 3" x 5" aluminum extrusion with channels to allow removable message panel to slide out horizontally
3. Removable 1 1/2" x 3" x 1/4" thick aluminum c-channel fastened to 2" x 2" aluminum tube frame with countersunk fasteners painted to match adajcent surface; cap ends and fillet weld around entire cap, grind down all welds to be smooth and seamless
4. 2" x 2" aluminum tube frame with 1/8" thick aluminum strip plug welded to tube; weld tube frame together and fillet weld to vertical aluminum extrusions; grind down all welds to be smooth and seamless
5. Router-cut holes in vertical aluminum extrusion and insert aluminum frame's horizontal tubes, fillet weld horizontal tubes to aluminum extrusion; grind down all welds to be smooth and seamless
6. 3"x1" horizontal aluminum tube (painted orange), v-groove and fillet welded to 2" x 2" aluminum tube frame, grind down all welds to be smooth and seamless
7. Drill and tap aluminum structure for countersunk flathead Torx screw, fasteners to be set 1/16" below surface of aluminum, paint fasteners to match adjacent surface
8. Breakaway Transpo footer detail, sign fabricator to provide engineered foundation details sealed by a certified engineer, verify existing conditions in field and inform designer and client of any issues that will affect design intent
9. Provide aluminum escutcheon cover to hide breakaway hardware, keep gap between escutcheon and breakway hardware at the absolute minimum
10. Digitally or screen printed artwork (pending on printing bed size)
11. Fillet weld 1/4" thick aluminum cap onto the end of of aluminum tube frame; fasten tube frame to vertical aluminum extrusion with tamper-proof countersunk mechanical fasteners, paint fasteners to match adjacent surface
12. Provide black neoprene pad in channel for removable panels to fit tightly in channel

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- Obtaining any necessary engineering seals or permits.
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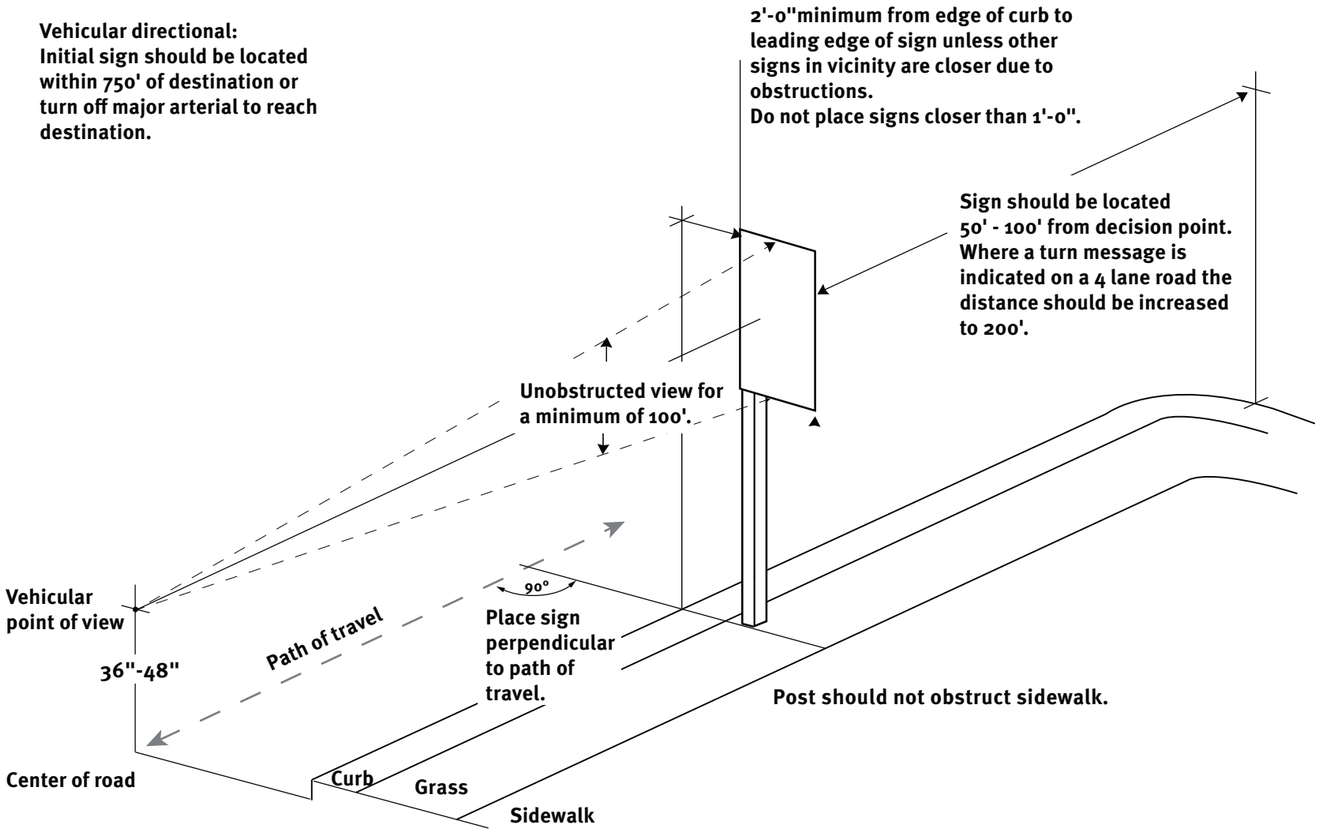
VEH 1 – Vehicular Directional, Large (Sign Placement)

Vehicular directional:
Initial sign should be located within 750' of destination or turn off major arterial to reach destination.



How / When to Use:

1. This sign location diagram is intended as a general guideline only. All related specifications and site conditions should be reviewed and verified with the client prior to installation.

2. This sign may NOT be mounted with any portion of the sign blocking a sidewalk.

This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:
- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

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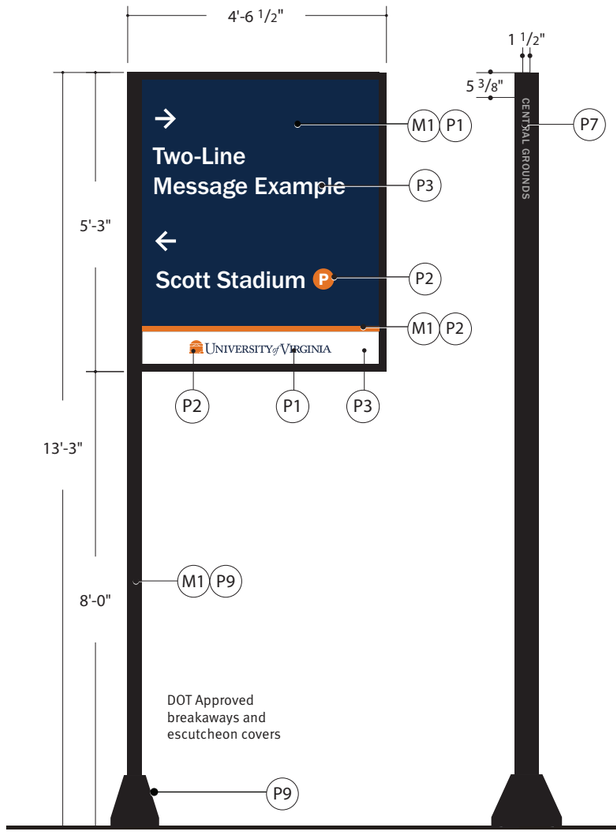
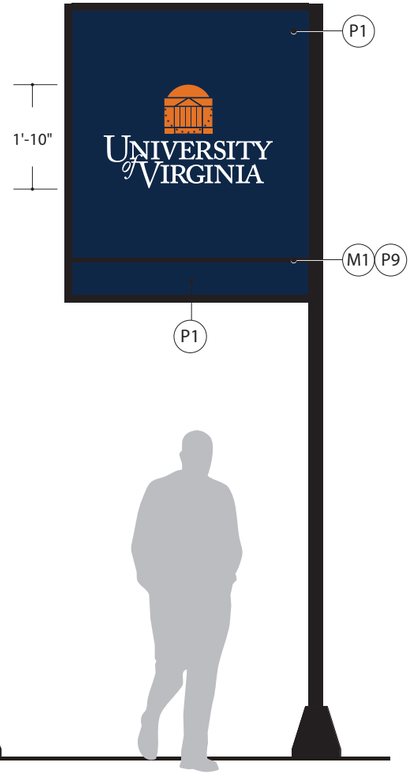
VEH 2 – Vehicular Directional, Medium (Elevation & Layout)

1 Top View
scale: 3/8" = 1'-0"



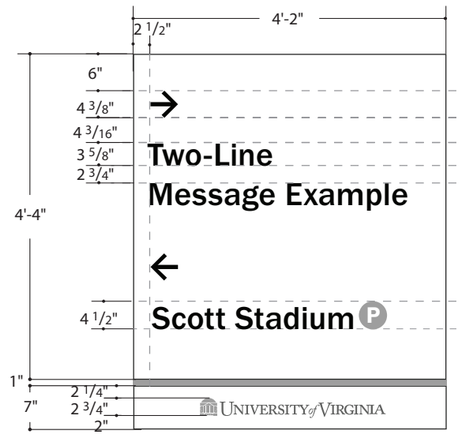
2 Elevation, Front
scale: 3/8" = 1'-0"

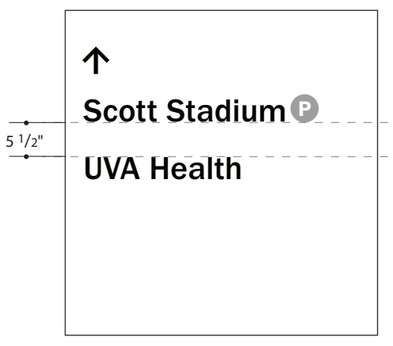


3 Sideview
scale: 3/8" = 1'-0"

4 Right Sideview
scale: 3/8" = 1'-0"

5 Rear view
scale: 3/8" = 1'-0"





6 Panel Layout
scale: 1/2" = 1'-0"

How / When to Use:

1. To be used on high traffic roadways where 3 or fewer messages are required. Maximum allowance is 3 messages.
2. Messages should be high level and direct to Grounds when not within that area (if in North Grounds, Central and West Grounds should be directed to.) Major destinations may be listed on VEH1's within the Grounds the sign is mounted (Culbreth Road Garage may be listed on signs within Central Grounds).
3. Shortened names without donor names are to be listed on vehicular directionals where possible.
4. The white band may ONLY include the UVA lockup as shown. No modifications are acceptable.
5. The Grounds modifier should always be listed on the street facing side of the post.
6. Commuter parking lots do not receive parking P symbol.
7. This sign may NOT be mounted with any portion of the sign blocking a sidewalk.

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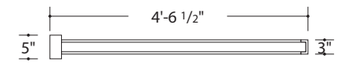
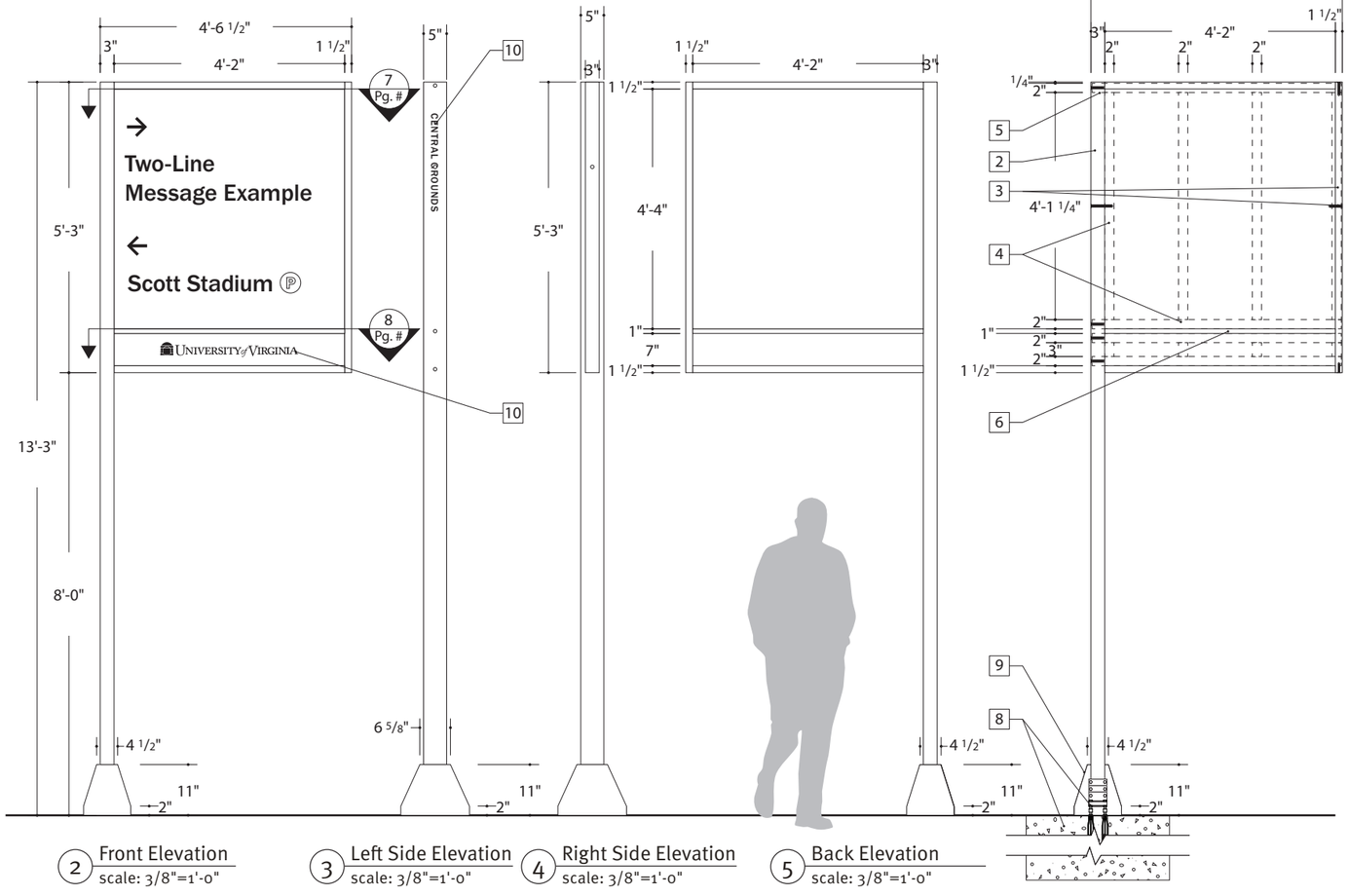
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		Multiple		3.6

VEH 2 – Vehicular Directional, Medium (Construction Details)



1 Plan View
scale: 3/8"=1'-0"

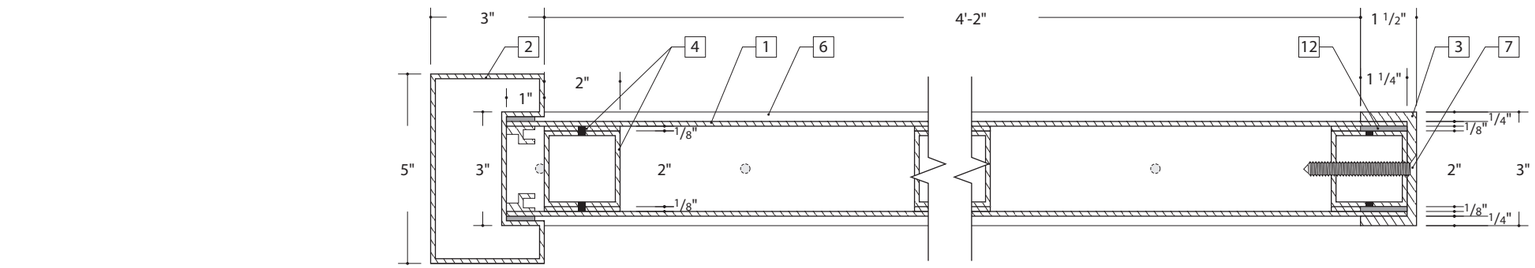


2 Front Elevation
scale: 3/8"=1'-0"

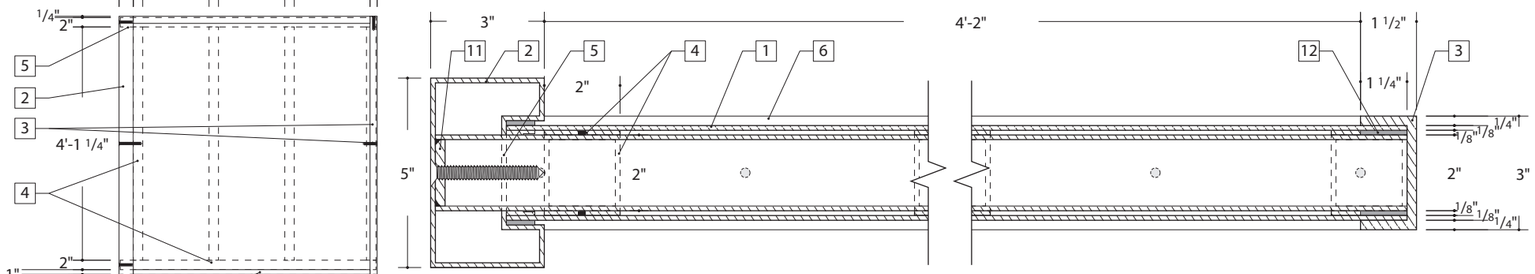
3 Left Side Elevation
scale: 3/8"=1'-0"

4 Right Side Elevation
scale: 3/8"=1'-0"

5 Back Elevation
scale: 3/8"=1'-0"



7 Plan View – Typical Section Details
scale: 3"=1'-0"



8 Plan View – Typical Section Details
scale: 3"=1'-0"

1 Removable 1/8" painted aluminum sign face, with digitally printed graphics and cut reflective vinyl applied to the surface

2 3" x 5" aluminum extrusion with channels to allow removable message panel to slide out horizontally

3 Removable 1 1/2" x 3" x 1/4" thick aluminum c-channel fastened to 2" x 2" aluminum tube frame with countersunk fasteners painted to match adajcent surface; cap ends and fillet weld around entire cap, grind down all welds to be smooth and seamless

4 2" x 2" aluminum tube frame with 1/8" thick aluminum strip plug welded to tube; weld tube frame together and fillet weld to vertical aluminum extrusions; grind down all welds to be smooth and seamless

5 Router-cut holes in vertical aluminum extrusion and insert aluminum frame's horizontal tubes, fillet weld horizontal tubes to aluminum extrusion; grind down all welds to be smooth and seamless

6 3" x1" horizontal aluminum tube (painted orange), v-groove and fillet welded to 2" x 2" aluminum tube frame, grind down all welds to be smooth and seamless

7 Drill and tap aluminum structure for countersunk mechanical fasteners, fasteners to be set 1/16" below surface of aluminum, paint fasteners to match adjacent surface

8 Breakaway Transpo footer detail, sign fabricator to provide engineered foundation details sealed by a certified engineer, verify existing conditions in field and inform designer and client of any issues that will affect design intent

9 Provide aluminum escutcheon cover to hide breakaway hardware, keep gap between escutcheon and breakway hardware at the absolute minimum

10 Digitally or screen printed artwork (pending on printing bed size)

11 Fillet weld 1/4" thick aluminum cap onto the end of of aluminum tube frame; fasten tube frame to vertical aluminum extrusion with tamper-proof countersunk mechanical fasteners, paint fasteners to match adjacent surface

12 Provide black neoprene pad in channel for removable panels to fit tightly in channel

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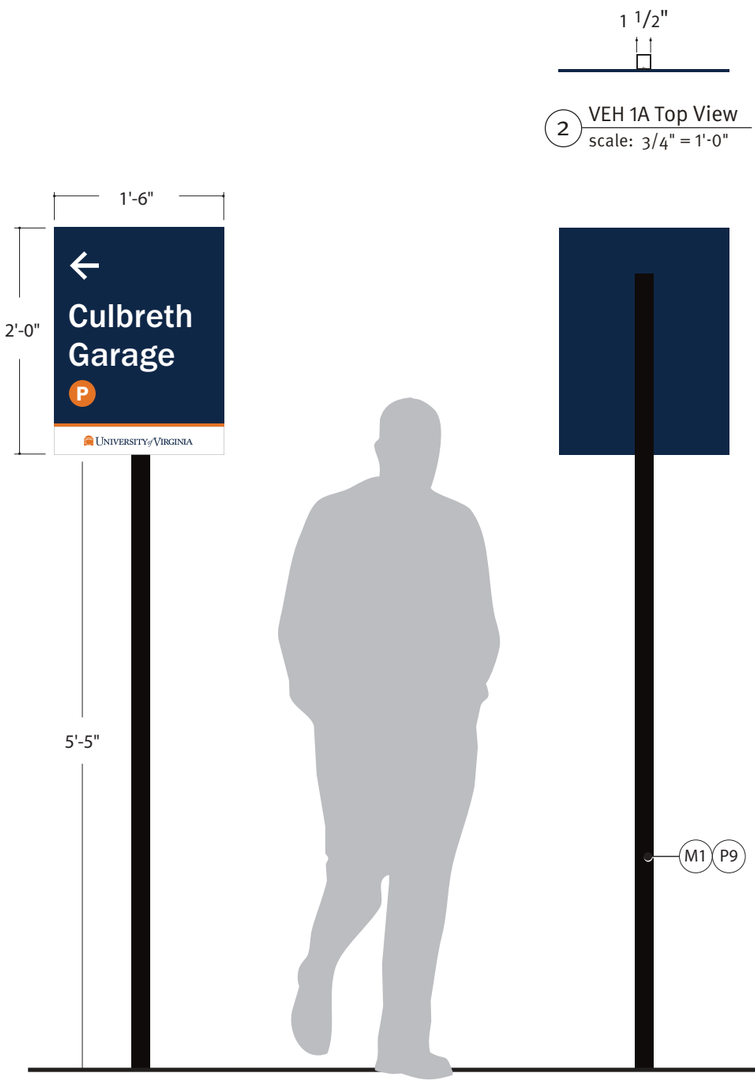
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		Multiple		3.7

VEH 3A, 3B – Vehicular Directional Small (Elevation)

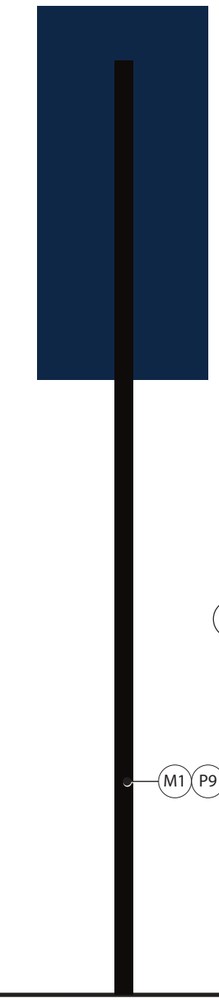


1 VEH 3A Front View
scale: 3/4" = 1'-0"

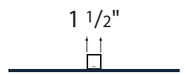
3 VEH 3A Back View
scale: 3/4" = 1'-0"

2 VEH 1A Top View
scale: 3/4" = 1'-0"

4 VEH 3B Front View
scale: 3/4" = 1'-0"



5 VEH 3B Back View
scale: 3/4" = 1'-0"



6 VEH 1B Top View
scale: 3/4" = 1'-0"

How / When to Use:

1. To be used on lower traffic roadways including surface parking lots/areas.
2. Messages should be specific to nearby destinations.
3. Shortened names without donor names are to be listed on vehicular directionals where possible.
4. The white band may ONLY include the UVA lockup as shown. No modifications are acceptable.
5. This sign may NOT be mounted with any portion of the sign overhanging the sidewalk.
6. Commuter parking lots do not receive parking P symbol.
7. This sign may NOT be mounted with any portion of the sign blocking a sidewalk.

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- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
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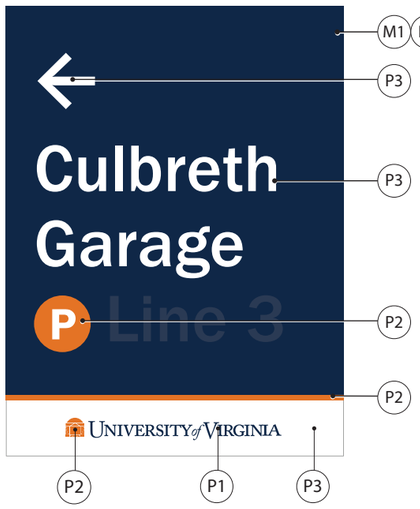
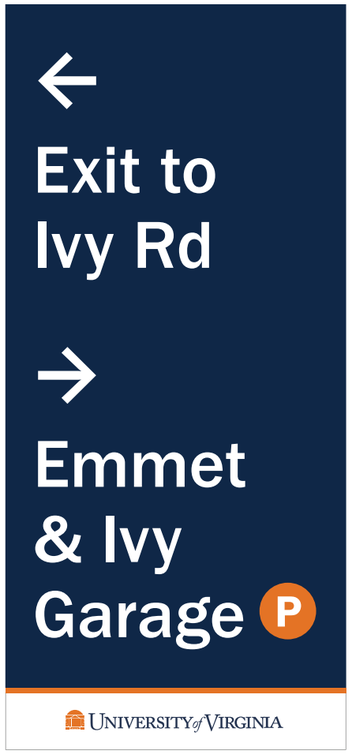
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

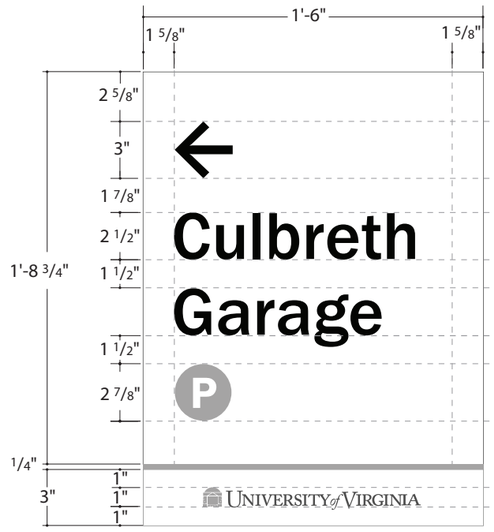
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		3/4" = 1'		3.8



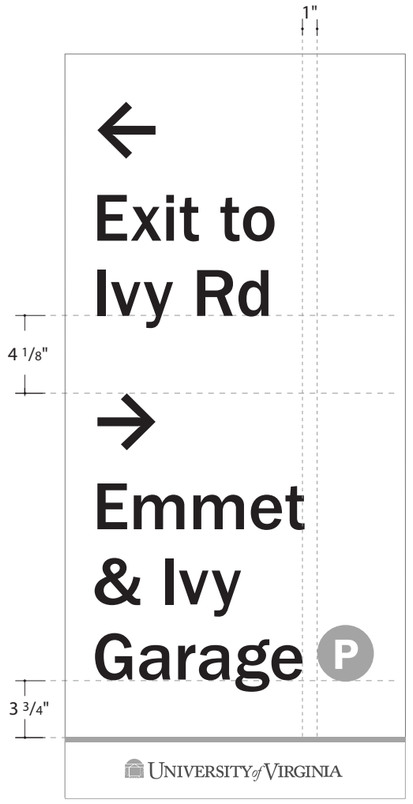
1 VEH 3A Panel
scale: 1 1/2" = 1'-0"



2 VEH 3B Panel
scale: 1 1/2" = 1'-0"



3 VEH 3A Layout
scale: 1 1/2" = 1'-0"



4 VEH 3B Layout
scale: 1 1/2" = 1'-0"

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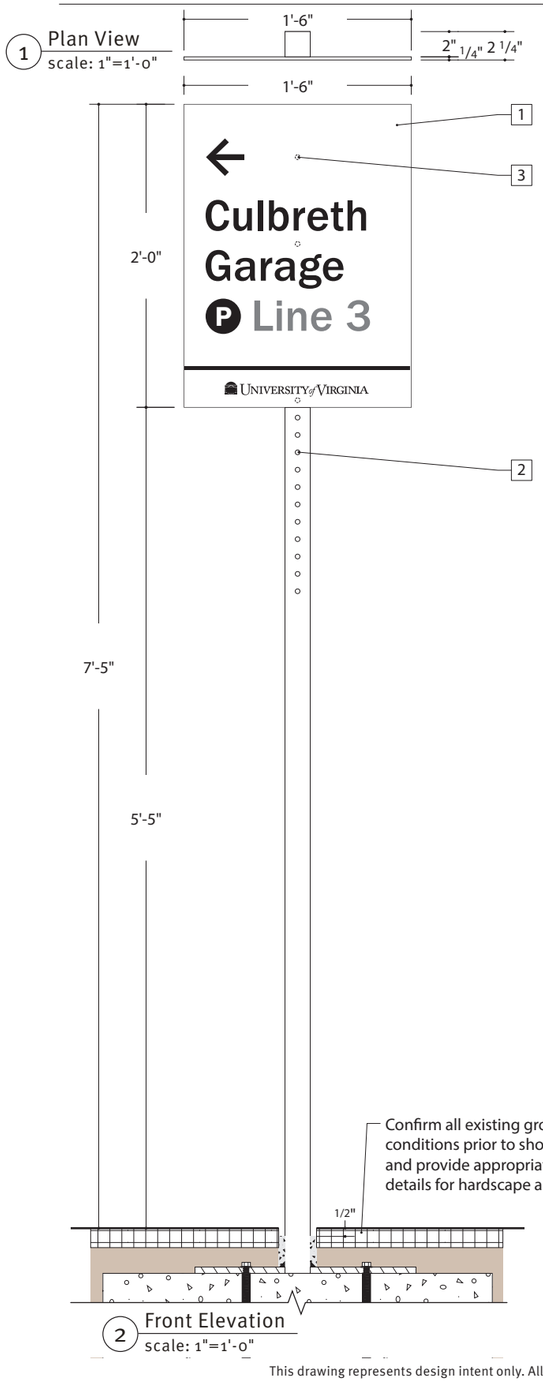
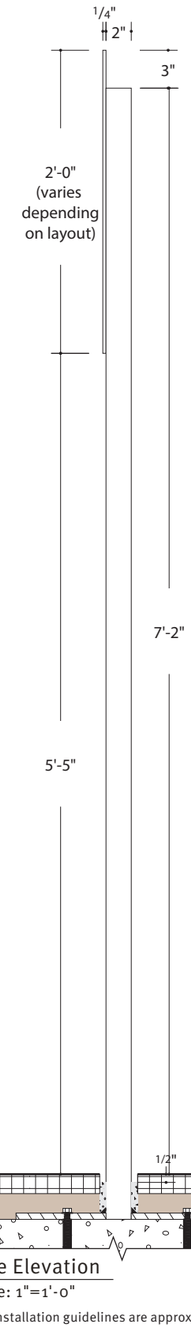
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		1 1/2" = 1'		3.9

VEH 3 – Vehicular Directional Small (Construction Details)

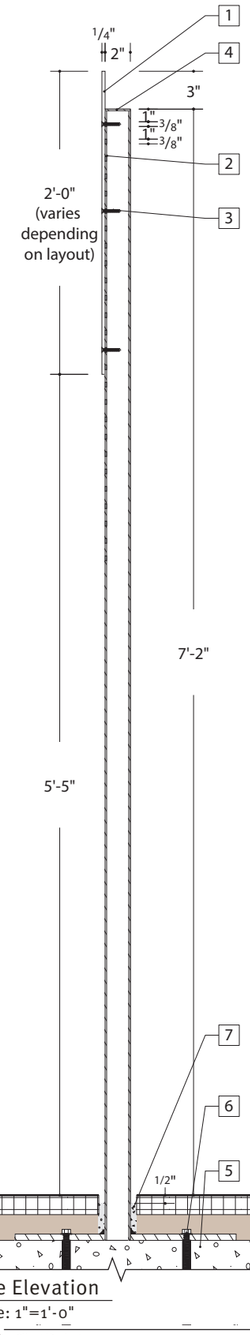


1 Plan View
scale: 1"=1'-0"

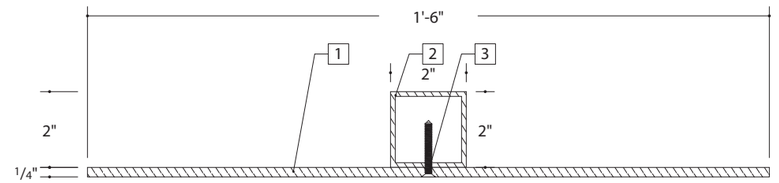


2 Front Elevation
scale: 1"=1'-0"

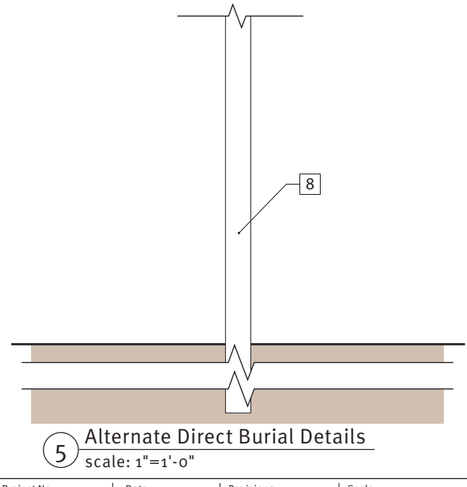
3 Side Elevation
scale: 1"=1'-0"



4 Side Elevation
scale: 1"=1'-0"



5 Plan View – Typical Section Details
scale: 3"=1'-0"



5 Alternate Direct Burial Details
scale: 1"=1'-0"

Confirm all existing ground conditions prior to shop drawings and provide appropriate foundation details for hardscape and soil/grass

1 Removable 1/4" painted aluminum sign face, with digitally printed graphics and cut reflective vinyl applied to the surface

2 2" x 2" aluminum tube with 3/8" diameter perforated holes set 1" apart

3 Tamper-proof countersunk fasteners placed in locations that do not obstruct the graphics

4 Provide welded cap at top of aluminum tube, grind down all welds to be smooth and seamless

5 Poured concrete foundation with appropriate match plate details, sign fabricator to provide engineered foundation details sealed by a certified engineer, verify existing conditions in field and inform designer and client of any issues that will affect design intent

6 Match plate connection to be below grade and hidden from view

7 Provide 1/2" wide expansion joint (gray) between adjacent hardscape surface and sign structure; no expansion joint necessary at soil/grass locations

8 Provide alternate details for aluminum tube to be direct buried into landscaping, verify all existing condtions prior to shop drawings and inform designer of any issues that wil affect design intent

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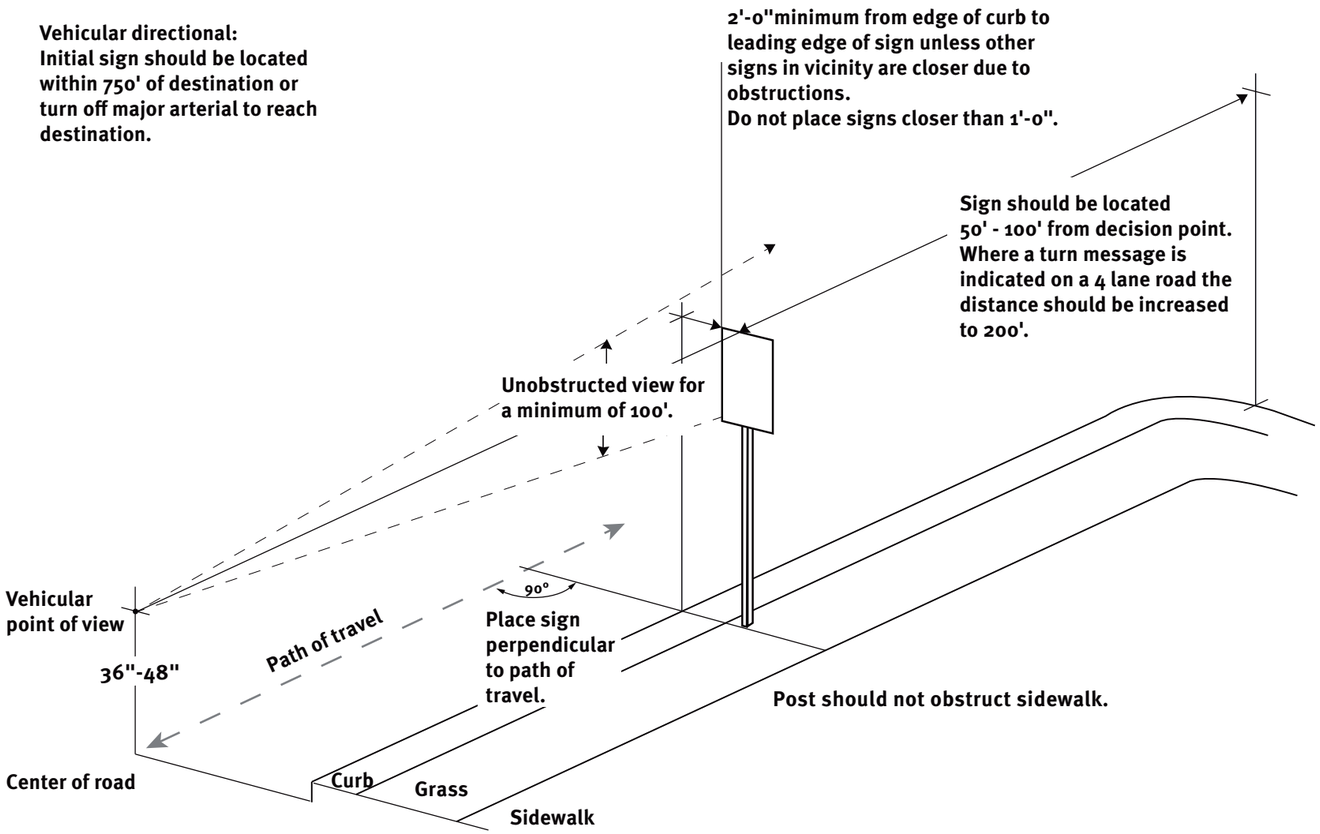
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		1" = 1'		3.10

VEH 3 – Vehicular Directional Small (Sign Placement)

Vehicular directional:
Initial sign should be located within 750' of destination or turn off major arterial to reach destination.



How / When to Use:

1. This sign location diagram is intended as a general guideline only. All related specifications and site conditions should be reviewed and verified with the client prior to installation.

2. This sign may NOT be mounted with any portion of the sign overhanging the sidewalk.

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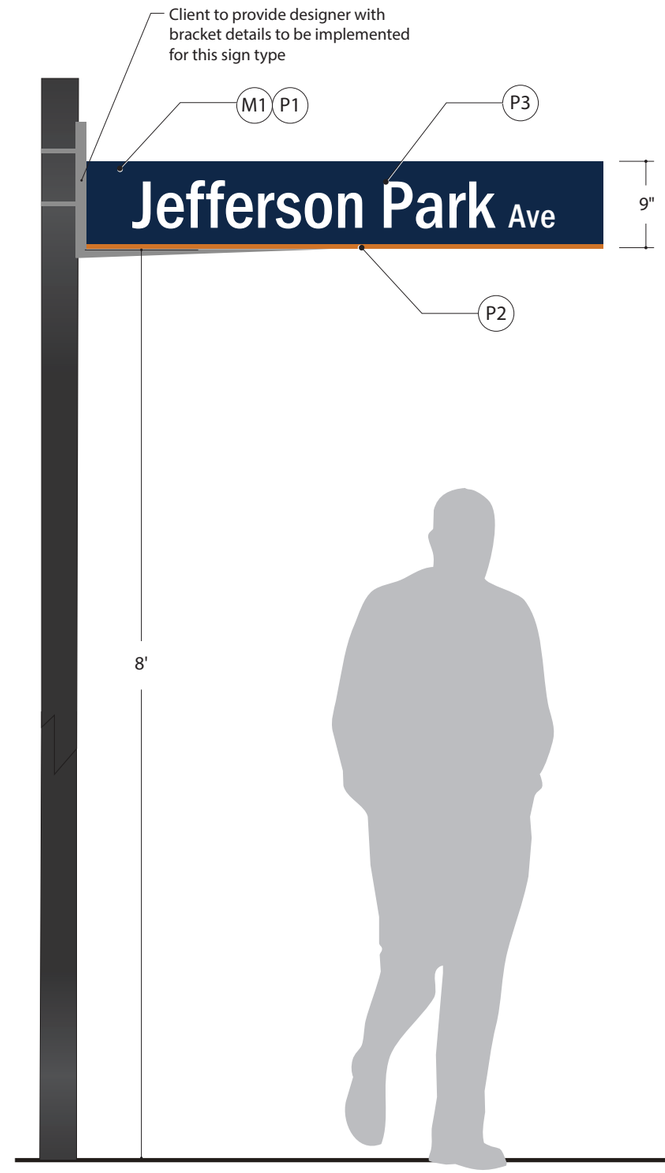
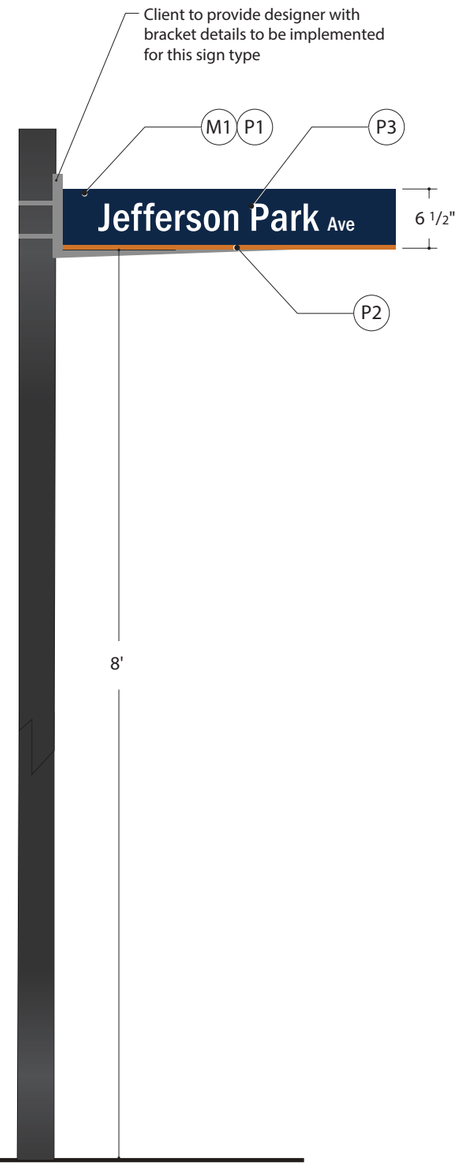
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		N/A		3.11

VEH 4, 5 – Street Signs (Elevations)



1 VEH 4 Elevation
scale: 3/4" = 1'-0"



2 VEH 5 Elevation
scale: 3/4" = 1'-0"

How / When to Use:

1. Large street sign to be used at intersections where there is high speed travel where an assertive message is necessary to read quickly.

   › 25 mph

2. Smaller street sign is to be used at intersections where there is lower speed travel and a more modest sign would be desired. Residential streets should receive the smaller sign.

   ‹ 25 mph

3. This sign may NOT be mounted with any portion of the sign blocking a sidewalk.

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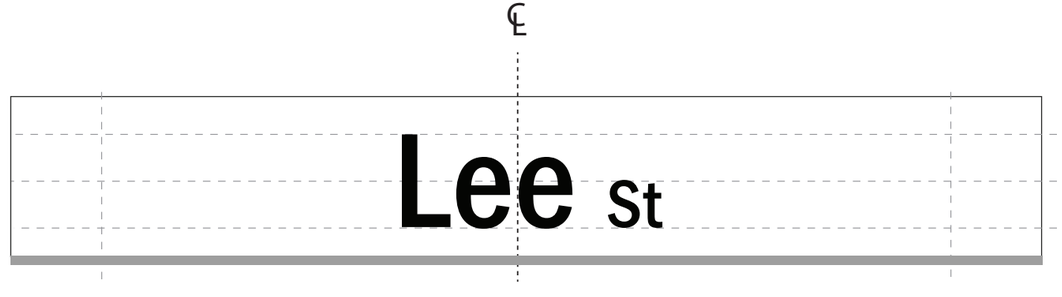
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		3/4" = 1'		3.12

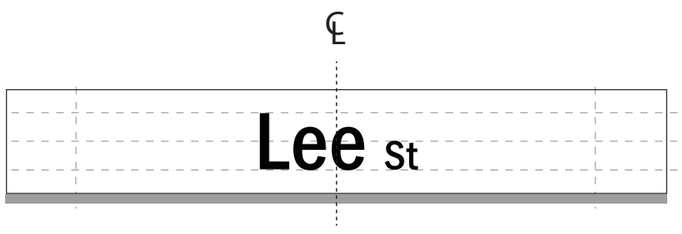
VEH 4, VEH 5 – Street Signs (Layout)

1 VEH 4 – Large Street Sign
scale: 1 1/2" = 1'-0"



2 VEH 4 – Short Message Example
scale: 1 1/2" = 1'-0"

3 VEH 5 – Small Street Sign
scale: 1 1/2" = 1'-0"



4 VEH 5 – Short Message Example
scale: 1 1/2" = 1'-0"

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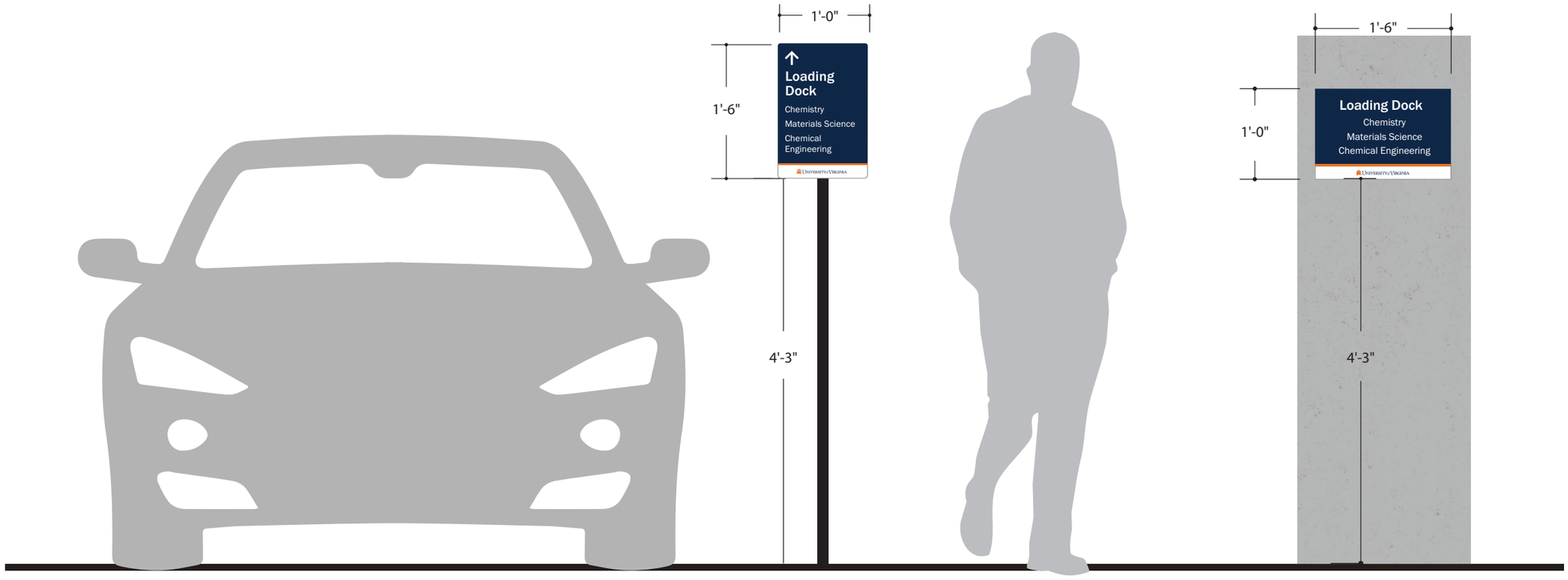
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		1 1/2" = 1'		3.13

VEH 11, 12 – Loading Dock Directional and ID (Elevation)



1 VEH 11 Elevation
scale: 3/4" = 1'-0"

2 VEH 12 Elevation
scale: 3/4" = 1'-0"

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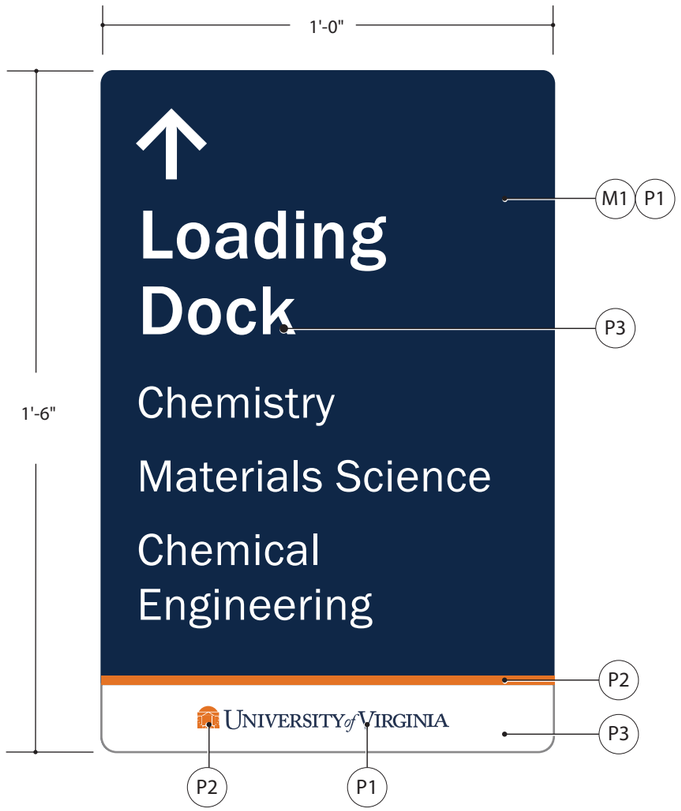
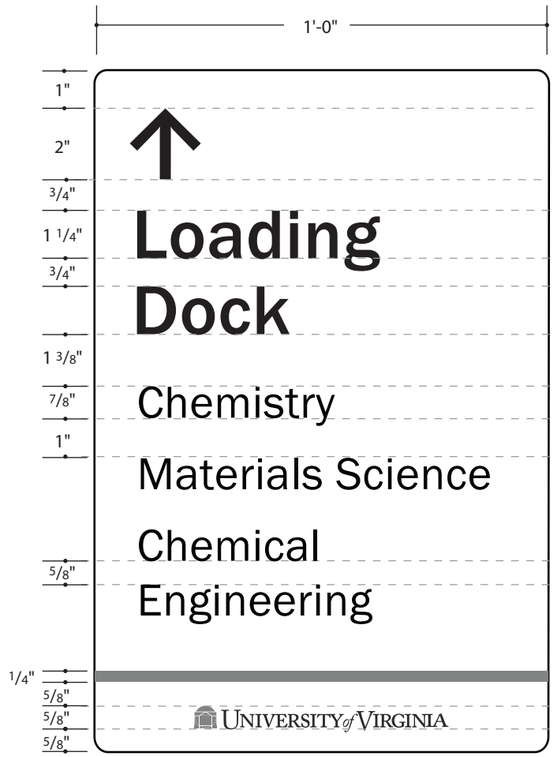
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		3/4" = 1'		3.14

VEH 11 – Loading Dock Directional and ID (Vertical)



1 VEH 12 – Elevation
scale: 3" = 1'-0"



2 VEH 12 – Layout
scale: 3" = 1'-0"

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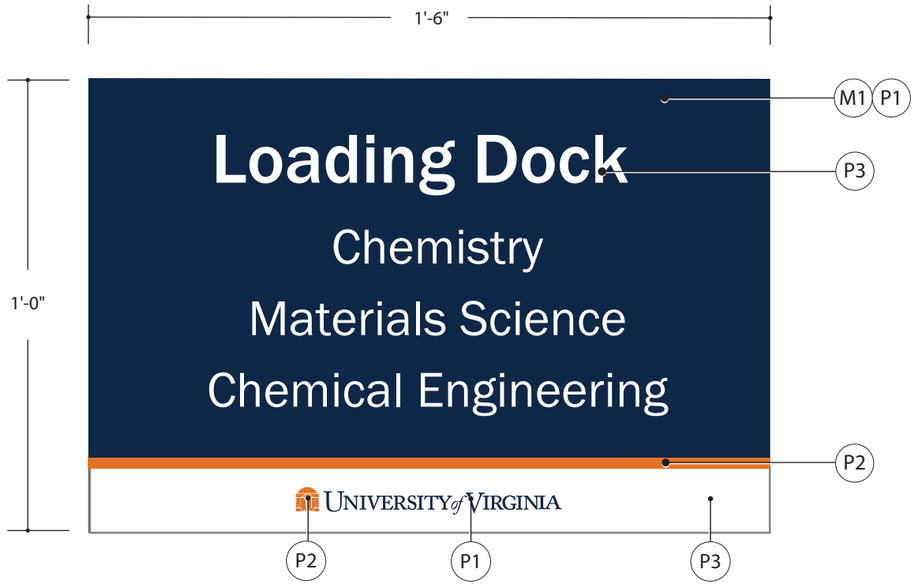
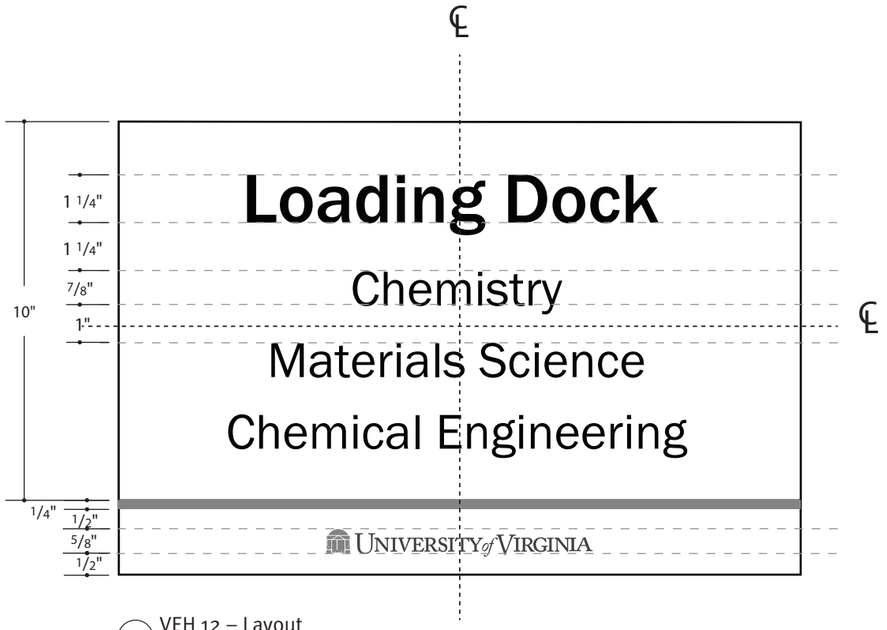
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		3" = 1'		3.15

VEH 12 – Loading Dock Directional and ID (Horizontal)



1 VEH 12 – Elevation
scale: 3" = 1'-0"



2 VEH 12 – Layout
scale: 3" = 1'-0"

3 VEH 12B – Alt Layout
scale: 3" = 1'-0"

How / When to Use:

1. This sign location diagram is intended as a general guideline only. All related specifications and site conditions should be reviewed and verified with the client prior to installation.

2. Loading docks, garages, and other structures intended to support vehicle loads greater than a 10,000-pound (4536 kg) gross vehicle weight rating shall receive max weight signage. [VA Building Code 1607.8.5]

3. Sign type is wall-mounted at loading dock entry point.

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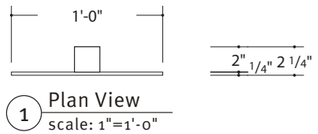
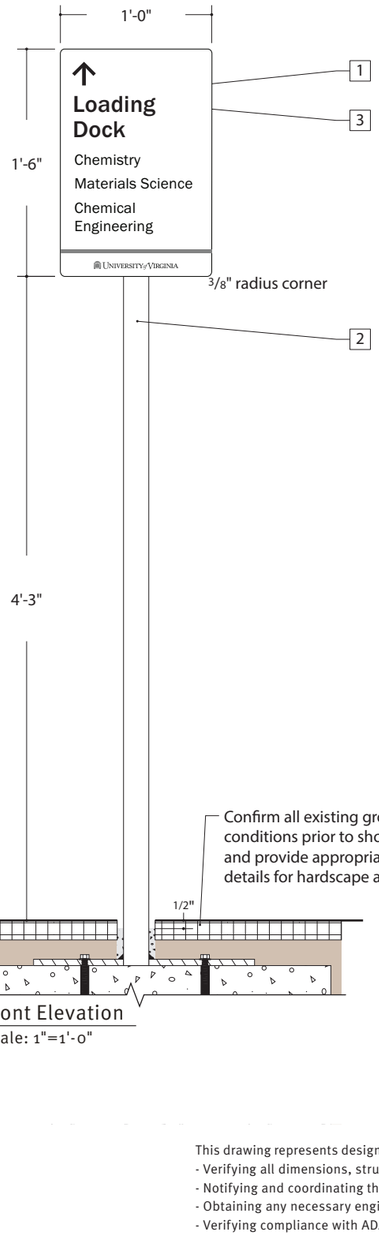
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		3" = 1'		3.16

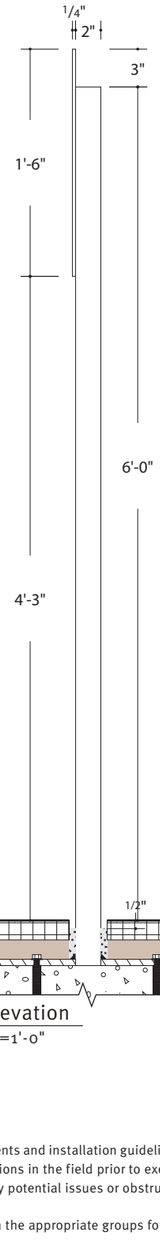
VEH 11, 12 – Loading Dock Directional and ID (Construction Detail)



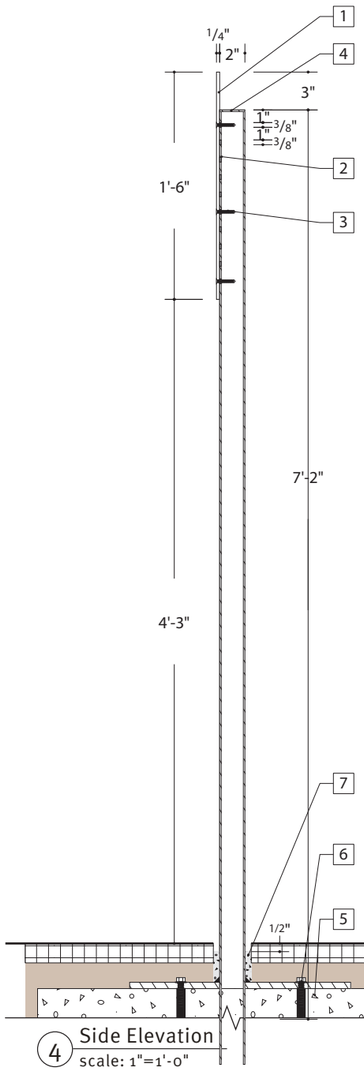
1 Plan View
scale: 1"=1'-0"



2 Front Elevation
scale: 1"=1'-0"

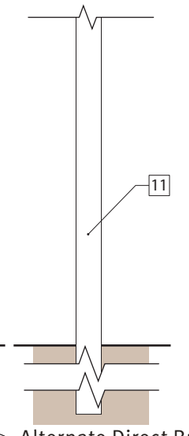


3 Side Elevation
scale: 1"=1'-0"

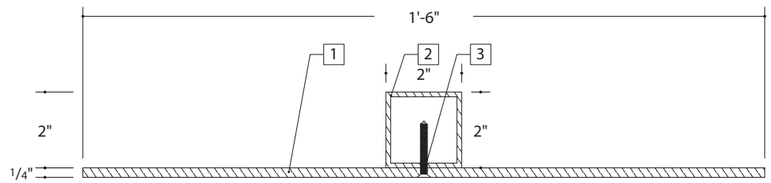


4 Side Elevation
scale: 1"=1'-0"

Confirm all existing ground conditions prior to shop drawings and provide appropriate foundation details for hardscape and soil/grass

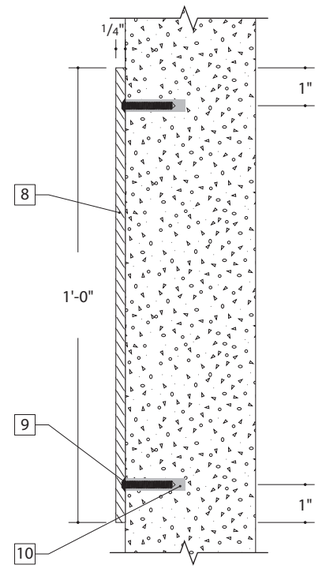


5 Alternate Direct Burial Details
scale: 1"=1'-0"



6 Plan View – Typical Section Details
scale: 3"=1'-0"

1. Removable 1/4" painted aluminum sign face, with digitally printed graphics
2. 2" x 2" aluminum tube with 3/8" diameter perforated holes set 1" apart
3. Tamper-proof countersunk fasteners placed in locations that do not obstruct the graphics
4. Provide welded cap at top of aluminum tube, grind down all welds to be smooth and seamless
5. Poured concrete foundation with appropriate match plate details, sign fabricator to provide engineered foundation details sealed by a certified engineer, verify existing conditions in field and inform designer and client of any issues that will affect design intent
6. Match plate connection to be below grade and hidden from view
7. Provide 1/2" wide expansion joint (gray) between adjacent hardscape surface and sign structure; no expansion joint necessary at soil/grass locations
8. 1/4" thick painted aluminum sign face, with digitally printed graphics,
9. Threaded studs fillet welded to the back of wall-mounted panel
10. Pre-drill hole and insert threaded studs with clear siliconde adhesive and remove any excess adhesive to be clean and seamless
11. Provide alternate details for aluminum tube to be direct buried into landscaping, verify all existing condtions prior to shop drawings and inform designer of any issues that wil affect design intent



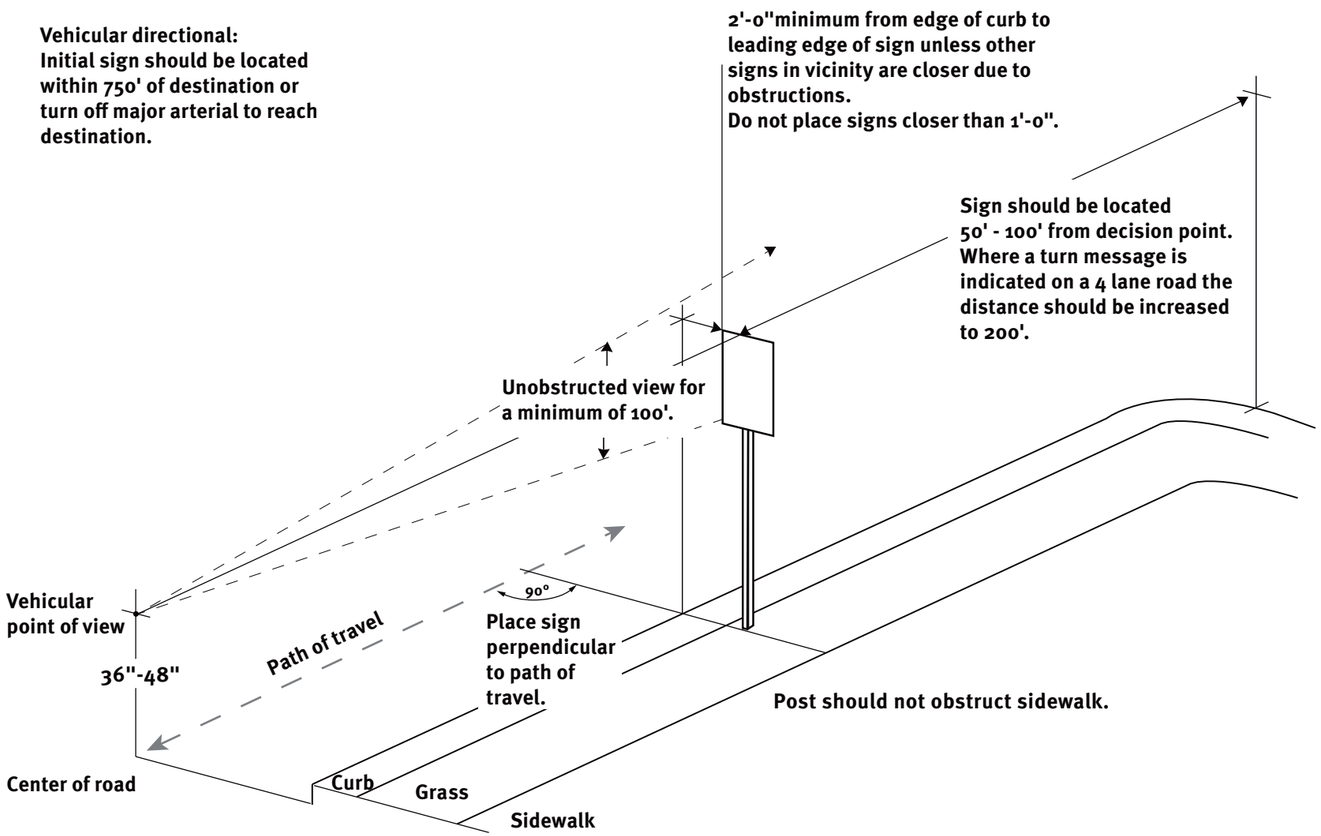
7 Alternate Wall-mtd. Detail – Side Section
scale: 3"=1'-0"

This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:
- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		Multiple		3.17

VEH 11, 12 – Loading Dock Directional and ID (Sign Placement)

Vehicular directional:
Initial sign should be located within 750' of destination or turn off major arterial to reach destination.



How / When to Use:

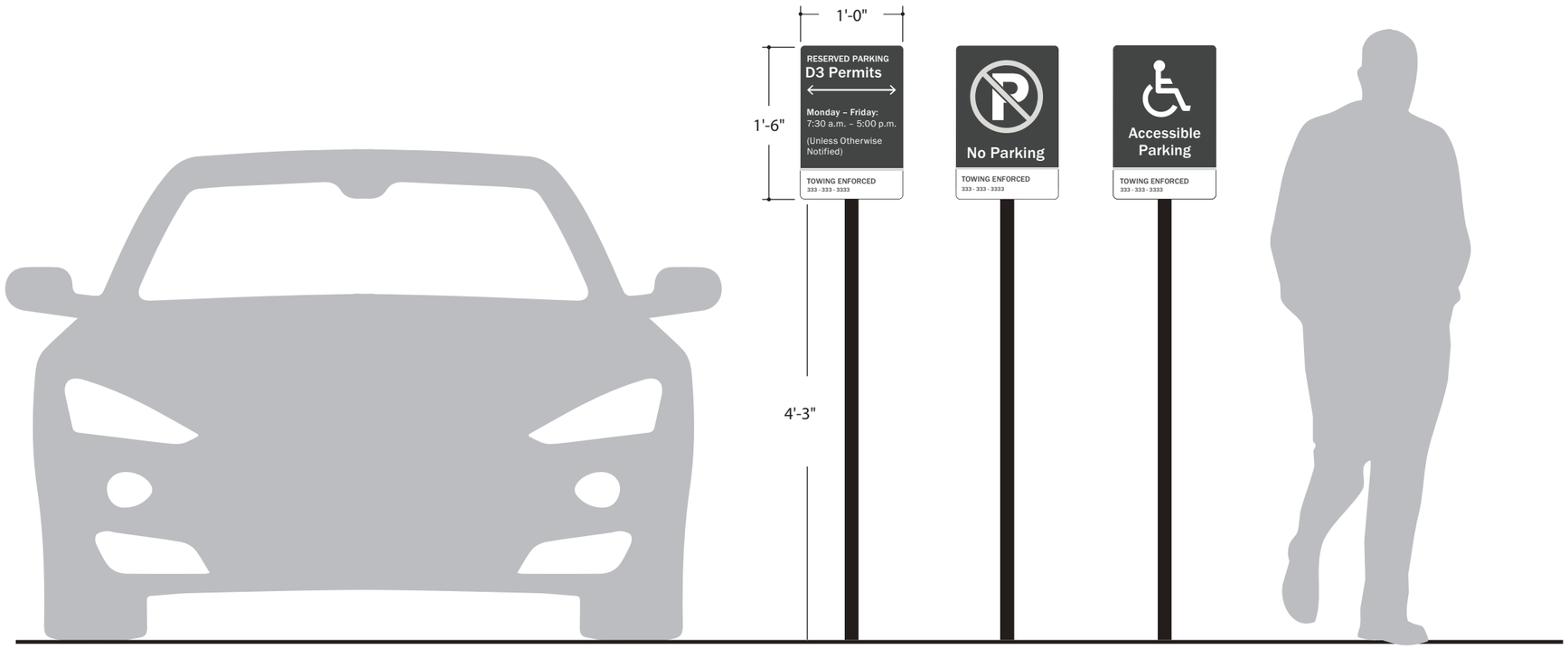
1. This sign location diagram is intended as a general guideline only. All related specifications and site conditions should be reviewed and verified with the client prior to installation.

2. This sign may NOT be mounted with any portion of the sign overhanging the sidewalk.

This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:
- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		N/A		3.18

VEH 13 – Parking Notices (Elevation)



1 Elevation
scale: 3/4" = 1'-0"

How / When to Use:

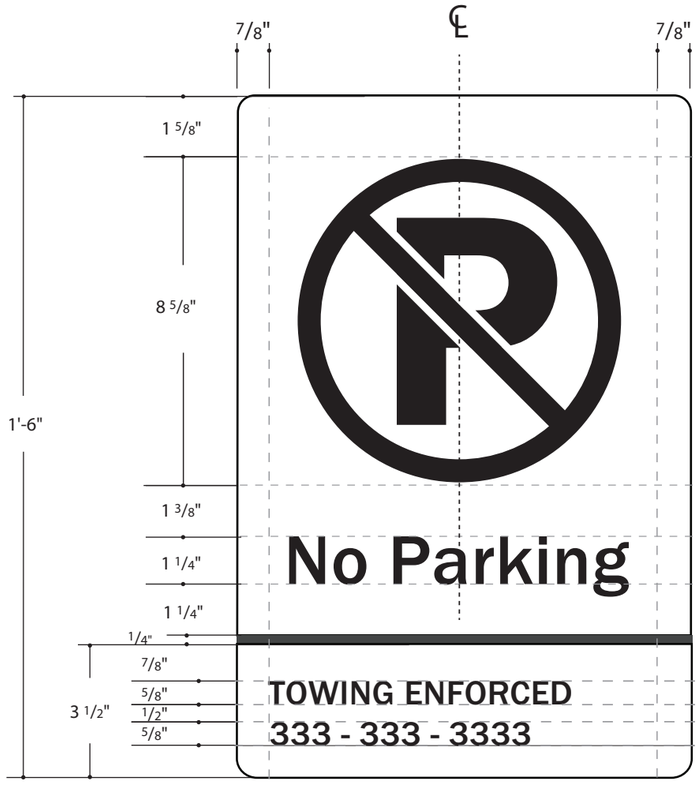
1. Sign should be void of UVA branding.
2. P&T to confirm messaging content of sign.
3. This sign may NOT be mounted with any portion of the sign blocking a sidewalk.

This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:
- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		3/4" = 1'		3.19

VEH 13A – No Parking Notice

1 Callouts
scale: 3" = 1'-0"



2 Layout
scale: 3" = 1'-0"

How / When to Use:

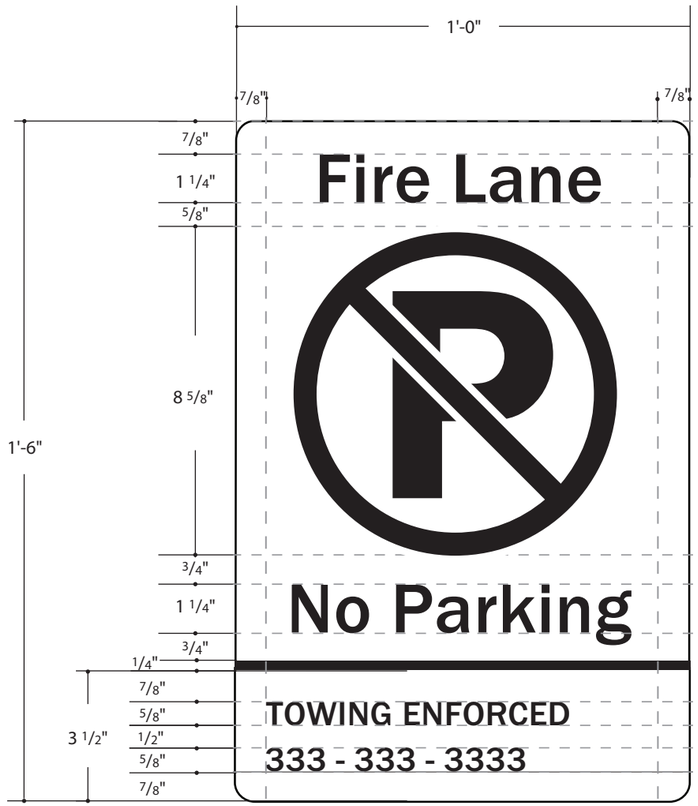
1. Sign should be void of UVA branding.
2. P&T to confirm messaging content of sign.
3. This sign may NOT be mounted with any portion of the sign blocking a sidewalk.

This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:
- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		3" = 1'		3.20

VEH 13B – No Parking Notice

1 Callouts
scale: 3" = 1'-0"



2 Layout
scale: 3" = 1'-0"

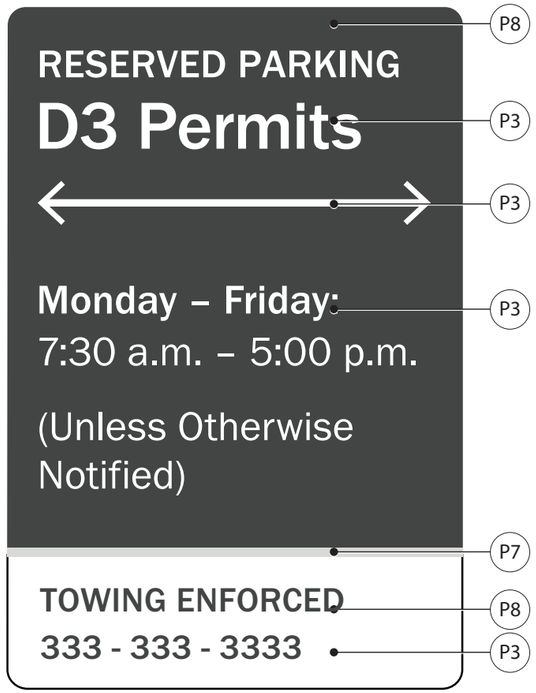
How / When to Use:

1. Sign should be void of UVA branding.
2. P&T to confirm messaging content of sign.
3. This sign may NOT be mounted with any portion of the sign blocking a sidewalk.

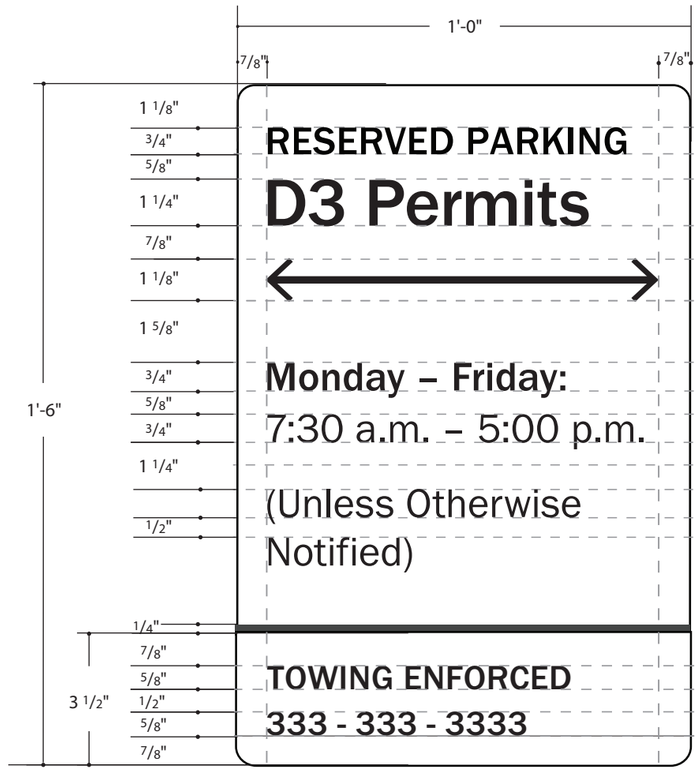
This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:
- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		3" = 1'		3.21

VEH 13C – Permit Parking Notice



1 Callouts
scale: 3" = 1'-0"



2 Layout
scale: 3" = 1'-0"

How / When to Use:

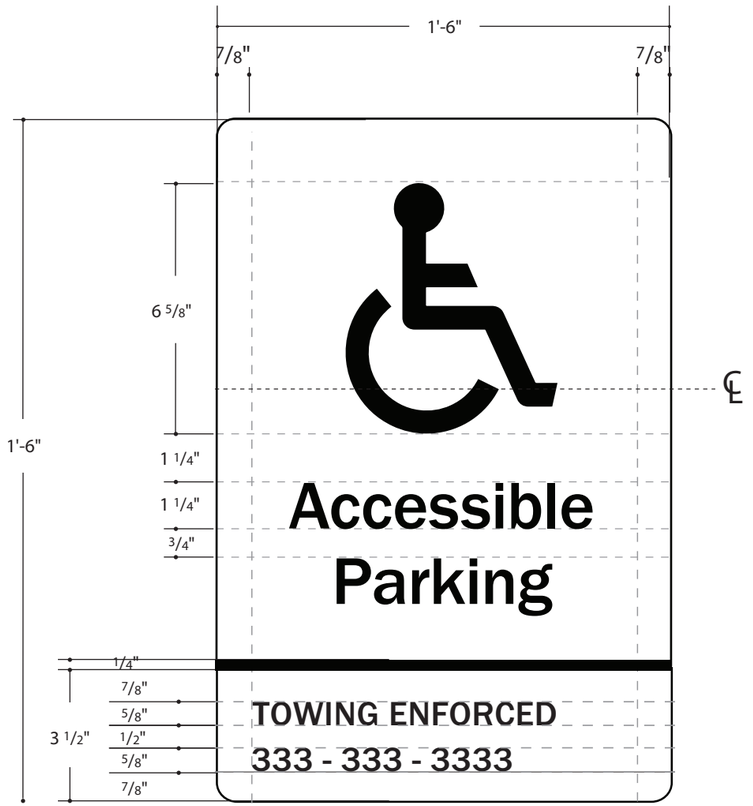
1. Sign should be void of UVA branding.
2. P&T to confirm messaging content of sign.
3. This sign may NOT be mounted with any portion of the sign blocking a sidewalk.

This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:
- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		3" = 1'		3.22

VEH 13D – Accessible Parking

1 Callouts
scale: 3" = 1'-0"



2 Layout
scale: 3" = 1'-0"

How / When to Use:

1. Sign should be void of UVA branding.
2. P&T to confirm messaging content of sign.
3. This sign may NOT be mounted with any portion of the sign blocking a sidewalk.

This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:
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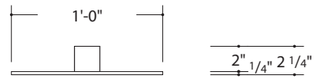
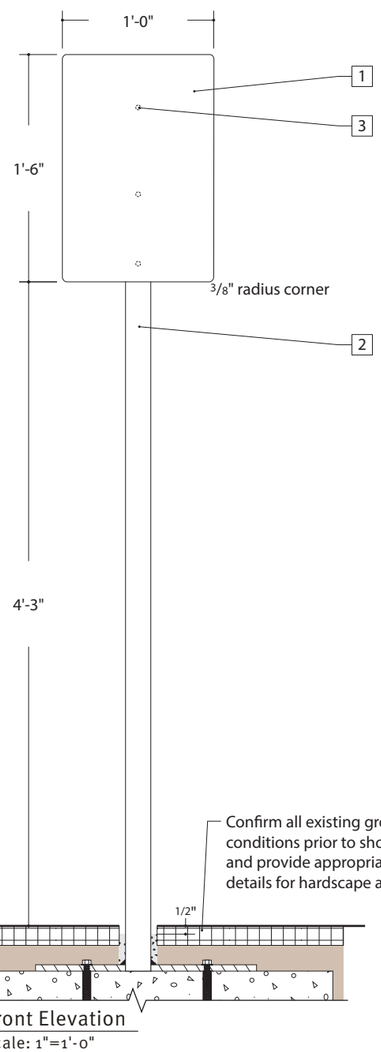
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		3" = 1'		3.23

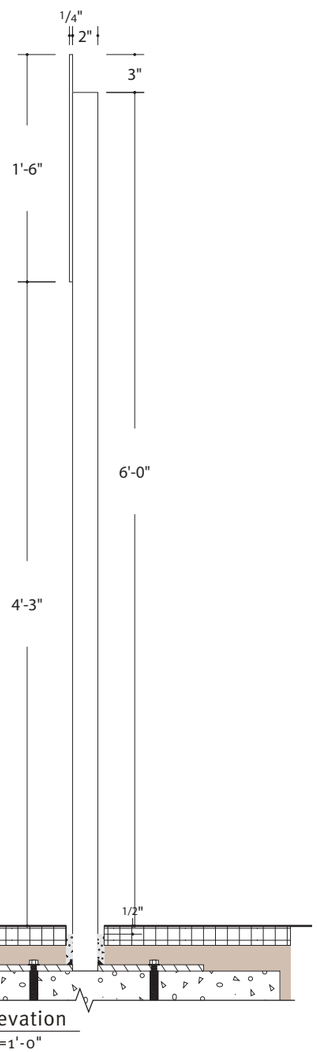
VEH 13B – Permit Parking Notice (Construction Details)



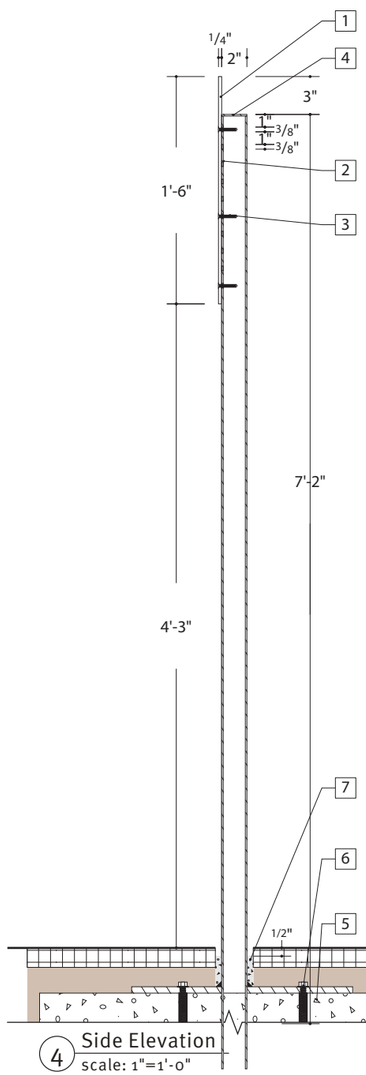
1 Plan View
scale: 1"=1'-0"



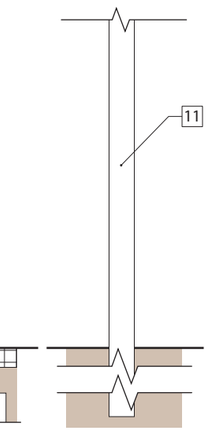
2 Front Elevation
scale: 1"=1'-0"



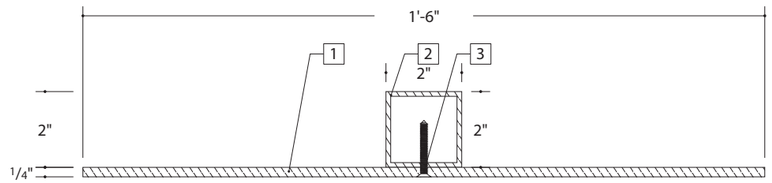
3 Side Elevation
scale: 1"=1'-0"



4 Side Elevation
scale: 1"=1'-0"

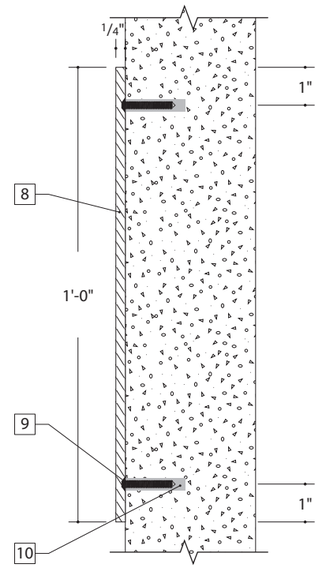


5 Alternate Direct Burial Details
scale: 1"=1'-0"



6 Plan View – Typical Section Details
scale: 3"=1'-0"

1. Removable 1/4" painted aluminum sign face, with digitally printed graphics
2. 2" x 2" aluminum tube with 3/8" diameter perforated holes set 1" apart
3. Tamper-proof countersunk fasteners placed in locations that do not obstruct the graphics
4. Provide welded cap at top of aluminum tube, grind down all welds to be smooth and seamless
5. Poured concrete foundation with appropriate match plate details, sign fabricator to provide engineered foundation details sealed by a certified engineer, verify existing conditions in field and inform designer and client of any issues that will affect design intent
6. Match plate connection to be below grade and hidden from view
7. Provide 1/2" wide expansion joint (gray) between adjacent hardscape surface and sign structure; no expansion joint necessary at soil/grass locations
8. 1/4" thick painted aluminum sign face, with digitally printed graphics,
9. Threaded studs fillet welded to the back of wall-mounted panel
10. Pre-drill hole and insert threaded studs with clear siliconde adhesive and remove any excess adhesive to be clean and seamless
11. Provide alternate details for aluminum tube to be direct buried into landscaping, verify all existing condtions prior to shop drawings and inform designer of any issues that wil affect design intent



7 Alternate Wall-mtd. Detail – Side Section
scale: 3"=1'-0"

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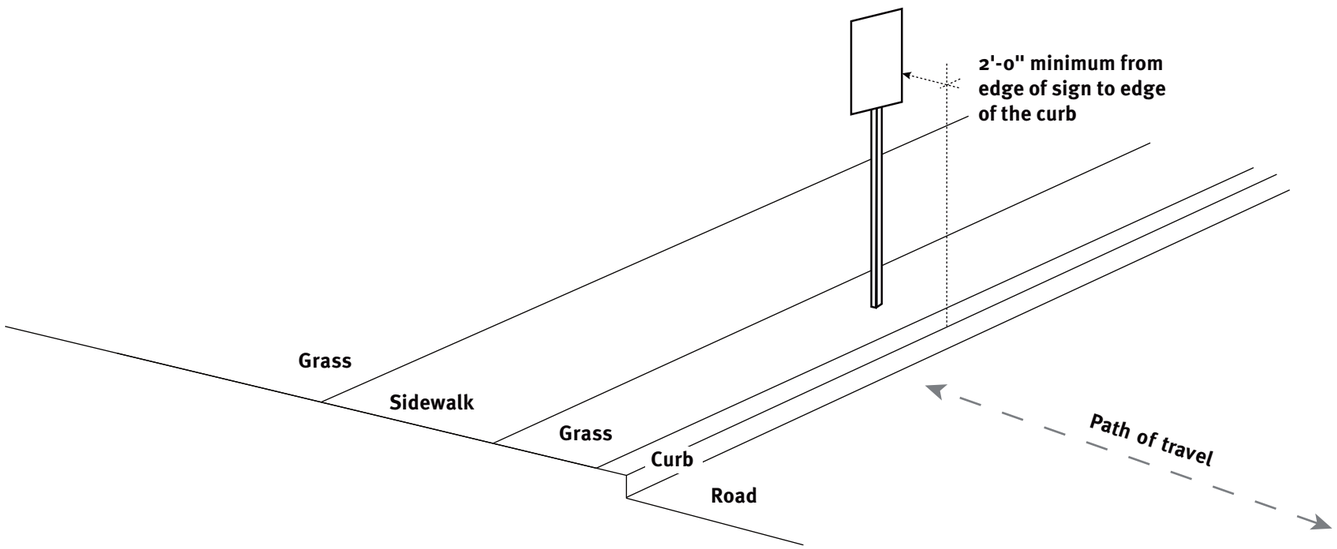
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		Multiple		3.24

VEH 13 – Permit Notice (Sign Placement)



How / When to Use:

1. This sign location diagram is intended as a general guideline only. All related specifications and site conditions should be reviewed and verified with the client prior to installation.

2. This sign may NOT be mounted with any portion of the sign overhanging the sidewalk.

This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:
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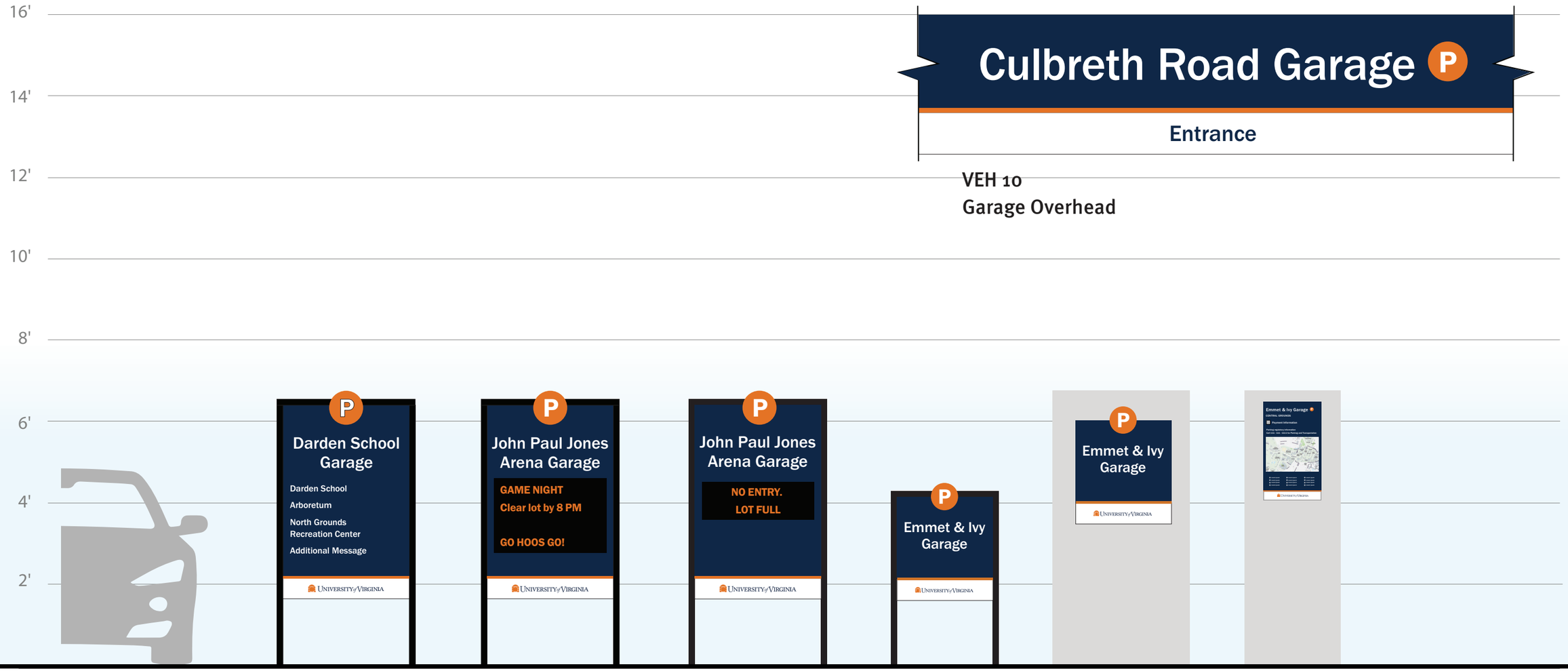
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		N/A		3.25

Section **4 Garage Signage**

Vehicular Parking Signage – Overview

4. Garage



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

VEH 6
Garage ID

VEH 8
Garage ID + Digital

VEH 8b
Single-line digital

VEH 9
Garage Entry

VEH 9b
Wall-mounted

PED 1
Garage Wayfinding
Wall-mounted
panel or screen

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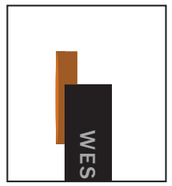
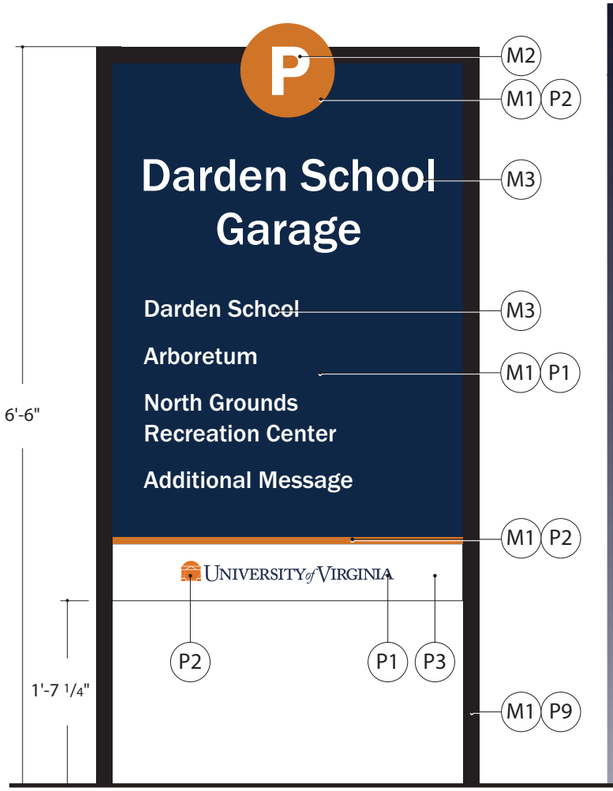
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		3/8" = 1'		4.1

VEH 6 – Garage ID (Elevation)

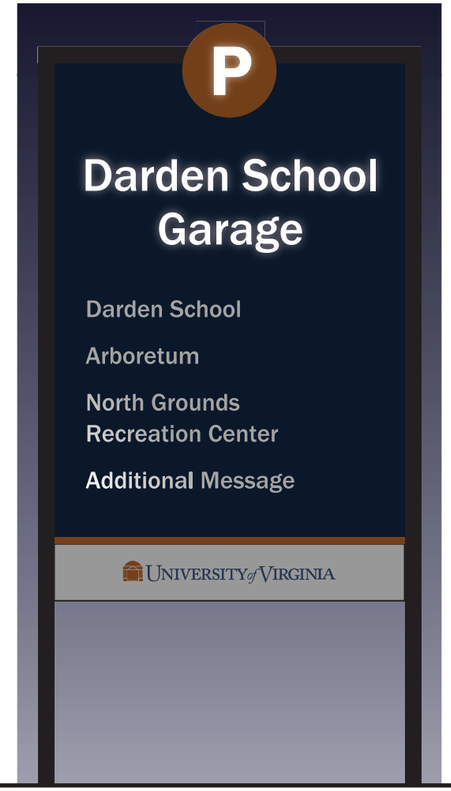
1 Top View
scale: 3/4" = 1'-0"



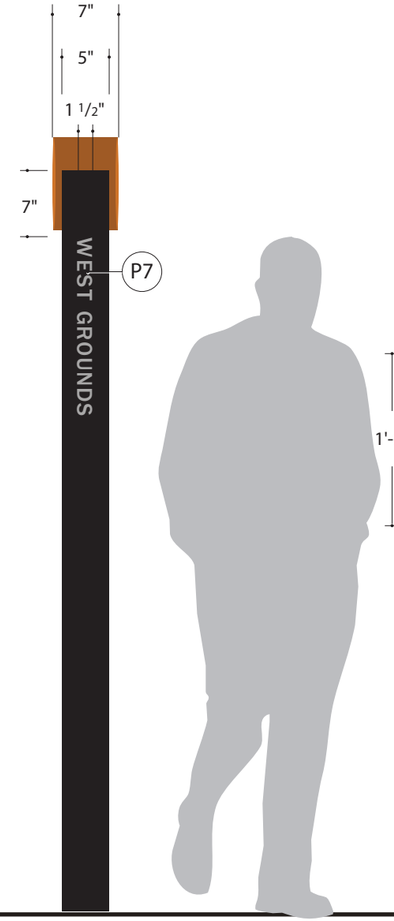
One-sided Parking P Cap



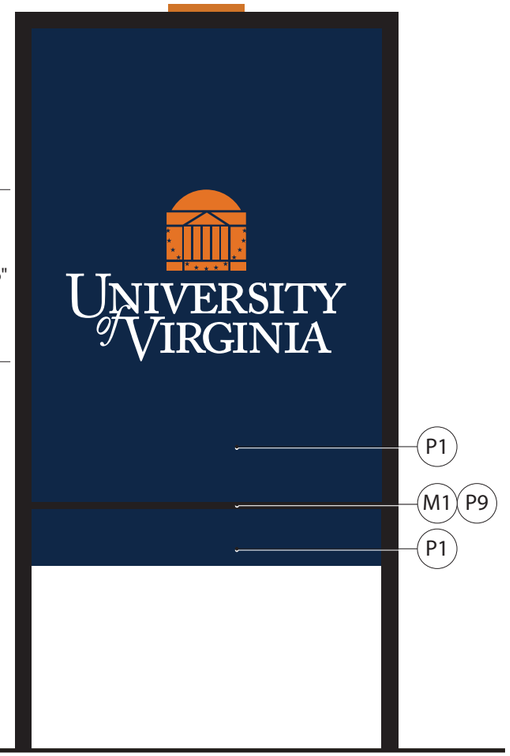
2 Elevation
scale: 3/4" = 1'-0"



Night View – Illuminated



3 Side View
scale: 3/4" = 1'-0"



4 Back View
scale: 3/4" = 1'-0"

How / When to Use:

1. To be used at entrances to areas/ developments with interior roadways and public destination.
2. Only certain garages/lots are visitor parking. Signs using the P (in orange circle) should indicate visitor parking garages/lots.
3. No more than 4 major public destinations may be included in the listing below the garage/lot name.
4. The white band may ONLY include the UVA lockup as shown. No modifications are acceptable.
5. The Grounds modifier should always be listed on outsides of both posts.
6. Depending on location, sign may be placed perpendicular to the path of travel in which case, the same garage name and listings would be repeated.
7. Commuter parking lots do not receive parking P symbol.
8. Whether or not the back of the sign is visible enough to warrant a graphic will need to be determined by a judgement call.
9. This sign may NOT be mounted with any portion of the sign blocking a sidewalk.
10. 4" dimensional building-mounted address numbers (DIM 1) to be used for further identification of the garage.

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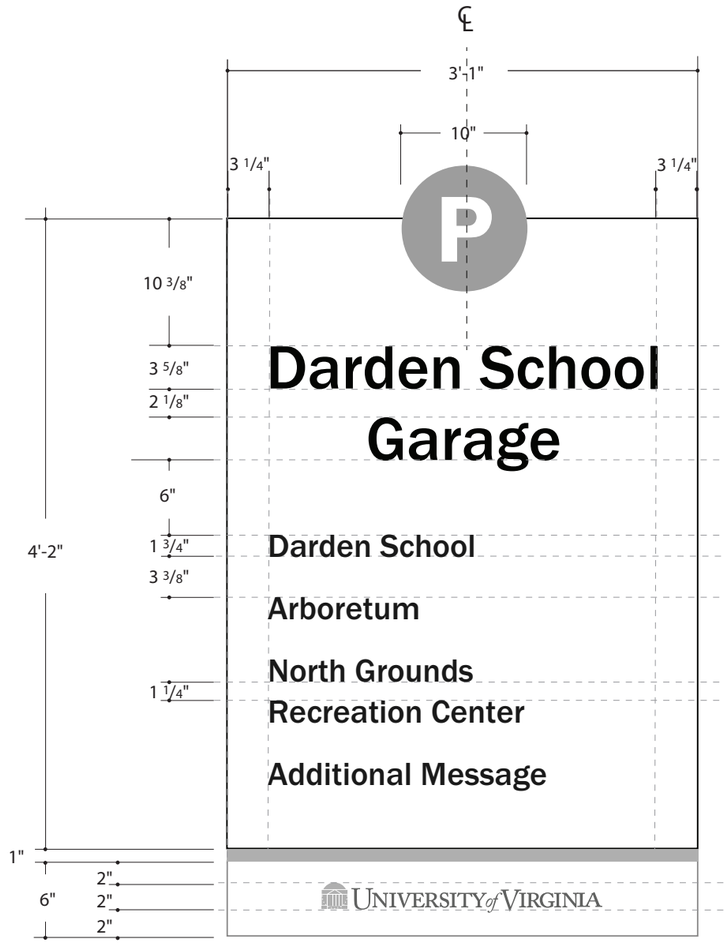
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		3/4" = 1'		4.2

VEH 6 – Garage ID (Layout)



1 Layout
scale: 1" = 1'-0"

2 Layout, Cont.
scale: 1" = 1'-0"

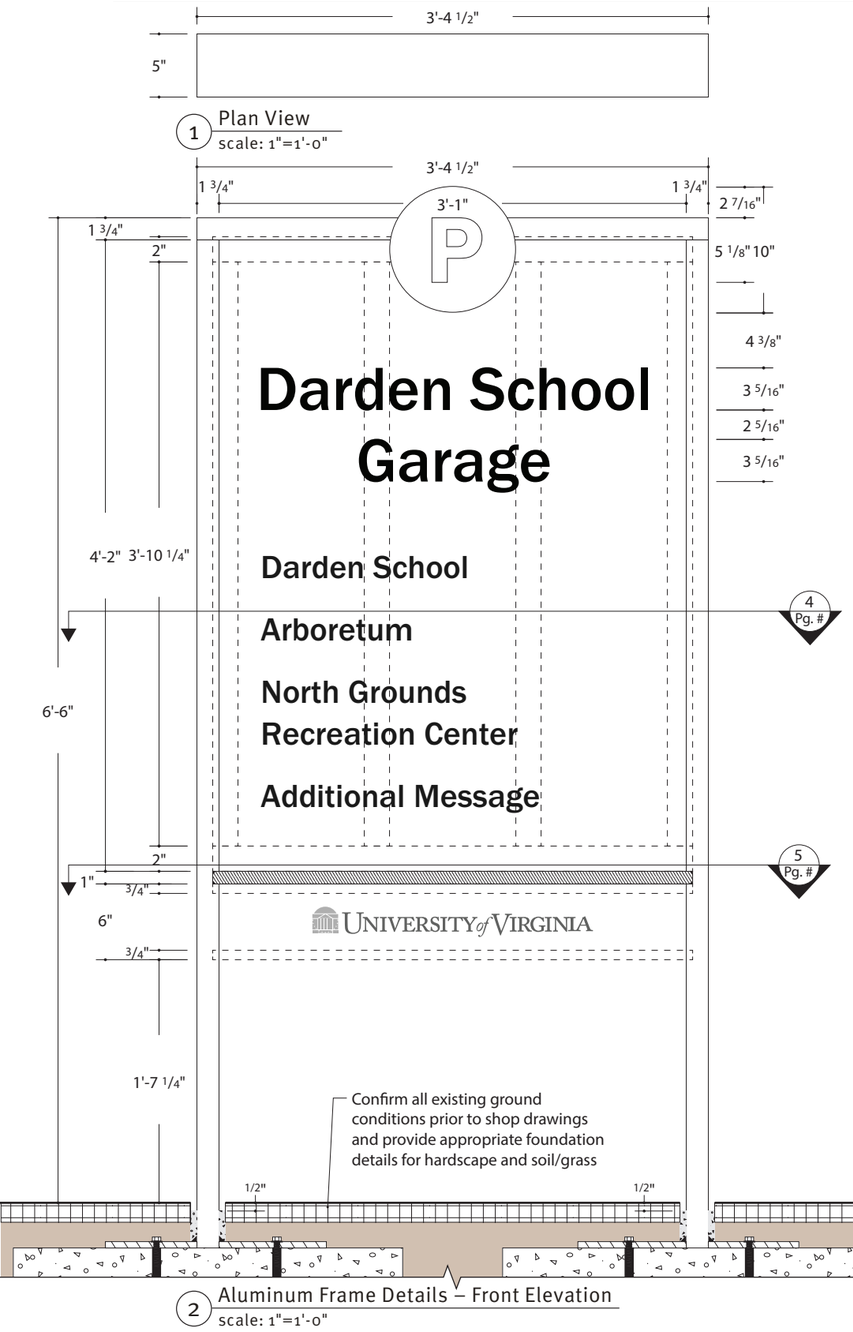
This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:
- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

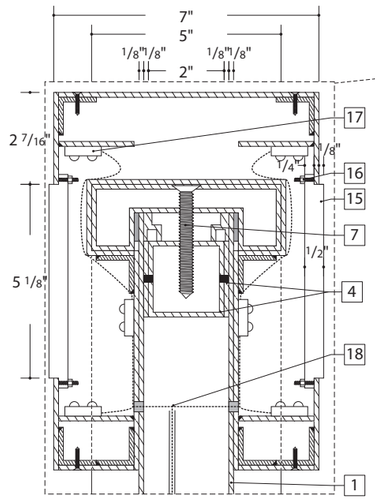
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		1" = 1'		4.3

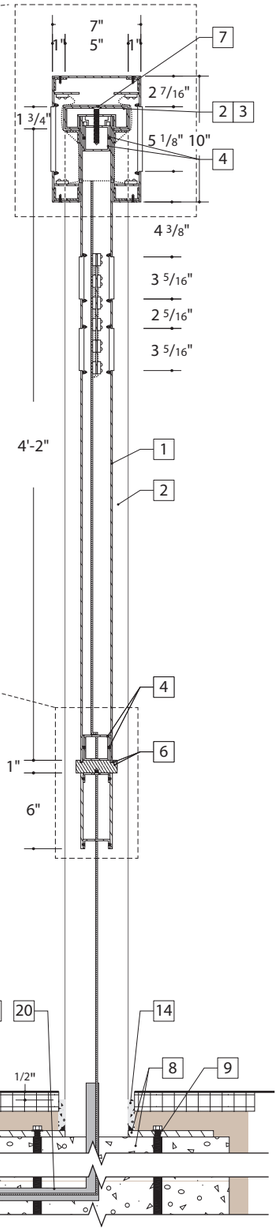
VEH 6 – Garage ID (Construction Details)

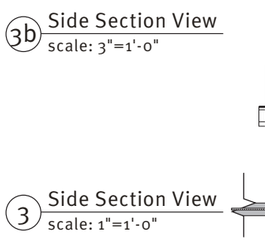
UNIVERSITY of VIRGINIA

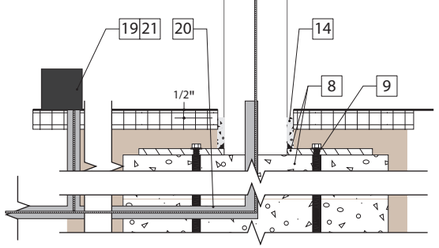
4. Garage











1. Removable 1/8" painted aluminum sign face, with digitally printed graphics or cut reflective vinyl applied to the surface
2. 1 3/4" x 5" aluminum extrusion with channels to allow removable message panel to slide out vertically
3. Removable 1 3/4" x 5" aluminum extrusion (top extrusion) fastened to 2" x 2" aluminum tube frame with countersunk fasteners painted to match adajcent surface; cap ends and fillet weld around entire cap, grind down all welds to be smooth and seamless
4. 2" x 2" aluminum tube frame with 1/8" thick aluminum strip plug welded to tube; weld tube frame together and fillet weld to vertical aluminum extrusions; grind down all welds to be smooth and seamless
5. Router-cut holes in vertical aluminum extrusion and insert aluminum frame's horizontal tubes, fillet weld horizontal tubes to aluminum extrusion; grind down all welds to be smooth and seamless
6. 3 1/4" wide by 1" thick aluminum bar (painted oranege) with router-cut channel to allow removable panels to sit in place; account for material tolerances for a smooth fit
7. Drill and tap aluminum structure for countersunk mechanical fasteners, fasteners to be set 1/16" below surface of aluminum, paint fasteners to match adjacent surface
8. Poured concrete foundation with appropriate match plate details, sign fabricator to provide engineered foundation details sealed by a certified engineer, verify existing conditions in field and inform designer and client of any issues that will affect design intent
9. Match plate connection to be below grade and hidden from view
10. Removable 2 1/8" x 3/4" aluminum channels mounted to aluminum bar with countersunk tamper-proof fasteners
11. Fillet weld 1/4" thick aluminum cap onto the end of of aluminum tube frame; fasten tube frame to vertical aluminum extrusion with tamper-proof countersunk mechanical fasteners, paint fasteners to match adjacent surface
12. Provide black neoprene pad in channel for removable panels to fit tightly in channel
13. Removable 3/16" thick aluminum bottom panel is fastened to aluminum channel with countersunk tamper-proof fasteners
14. Provide 1/2" wide expansion joint (gray) between adjacent hardscape surface and sign structure; no expansion joint necessary at soil/grass locations
15. 1/2" thick router-cut acrylic (frosted, translucent white) ; provide a 1/4" thick lip and mill down the edge of the acrylic, white diffuser film applied to the back side (as necessary)
16. Fillet weld threaded studs to aluminum and fasten acrylic with nuts and washers
17. White L.E.D. modules (5500K light temp.) run on a 120v or 240v line, sign fabricator to coordinate with architect
18. Waterproof low voltage wire connects to a dimming module to allow light intensity adjustments, connect to a remote transformer placed in an accessible area behind the wall, sign fabricator to verify existing conditions and provide details for secure connection
19. UL listed junction box with UL approved shut-off switch to be placed in an accessible location, details and locations to be coordinated by sign fabricator and owner
20. 1" conduit tube and electrical leads provides power (by others), sign fabricator to connect sign to power and coordinate additional details with owner and facilities management
21. Provide lighting control timer with photocell for managing the light schedule and (on and off at specific hours)

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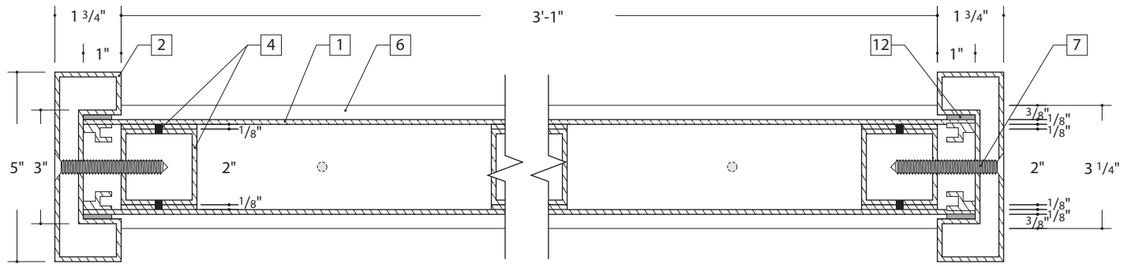
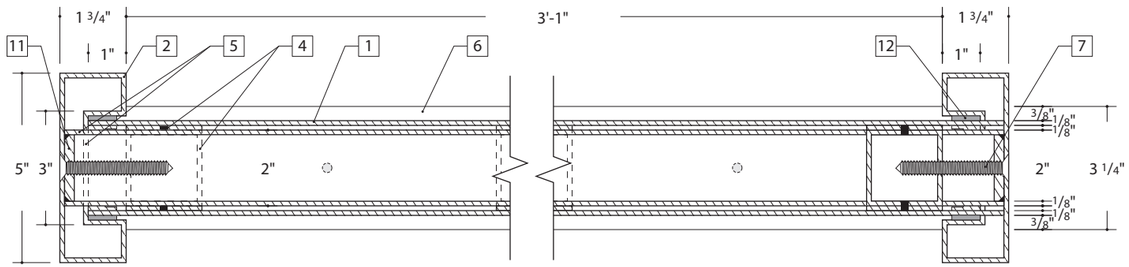
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		Multiple		4.4

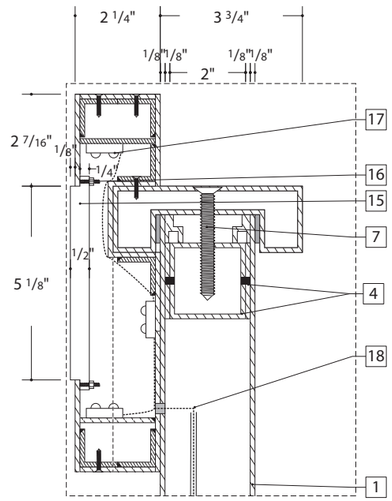
VEH 6 – Garage ID (Construction Details, continued)



1 Plan View – Typical Section Details
scale: 3"=1'-0"



2 Plan View – Typical Section Details
scale: 3"=1'-0"



3 Alternate (single faced "P") – Side Section View
scale: 3"=1'-0"

1 Removable 1/8" painted aluminum sign face, with digitally printed graphics or cut reflective vinyl applied to the surface

2 1 3/4" x 5" aluminum extrusion with channels to allow removable message panel to slide out vertically

3 Removable 1 3/4" x 5" aluminum extrusion (top extrusion) fastened to 2" x 2" aluminum tube frame with countersunk fasteners painted to match adajcent surface; cap ends and fillet weld around entire cap, grind down all welds to be smooth and seamless

4 2" x 2" aluminum tube frame with 1/8" thick aluminum strip plug welded to tube; weld tube frame together and fillet weld to vertical aluminum extrusions; grind down all welds to be smooth and seamless

5 Router-cut holes in vertical aluminum extrusion and insert aluminum frame's horizontal tubes, fillet weld horizontal tubes to aluminum extrusion; grind down all welds to be smooth and seamless

6 3 1/4" wide by 1" thick aluminum bar (painted oranege) with router-cut channel to allow removable panels to sit in place; account for material tolerances for a smooth fit

7 Drill and tap aluminum structure for countersunk mechanical fasteners, fasteners to be set 1/16" below surface of aluminum, paint fasteners to match adjacent surface

8 Poured concrete foundation with appropriate match plate details, sign fabricator to provide engineered foundation details sealed by a certified engineer, verify existing conditions in field and inform designer and client of any issues that will affect design intent

9 Match plate connection to be below grade and hidden from view

10 Removable 2 1/8" x 3/4" aluminum channels mounted to aluminum bar with countersunk tamper-proof fasteners

11 Fillet weld 1/4" thick aluminum cap onto the end of of aluminum tube frame; fasten tube frame to vertical aluminum extrusion with tamper-proof countersunk mechanical fasteners, paint fasteners to match adjacent surface

12 Provide black neoprene pad in channel for removable panels to fit tightly in channel

13 Removable 3/16" thick aluminum bottom panel is fastened to aluminum channel with countersunk tamper-proof fasteners

14 Provide 1/2" wide expansion joint (gray) between adjacent hardscape surface and sign structure; no expansion joint necessary at soil/grass locations

15 1/2" thick router-cut acrylic (frosted, translucent white) ; provide a 1/4" thick lip and mill down the edge of the acrylic, white diffuser film applied to the back side (as necessary)

16 Fillet weld threaded studs to aluminum and fasten acrylic with nuts and washers

17 White L.E.D. modules (5500K light temp.) run on a 120v or 240v line, sign fabricator to coordinate with architect

18 Waterproof low voltage wire connects to a dimming module to allow light intensity adjustments, connect to a remote transformer placed in an accessible area behind the wall, sign fabricator to verify existing conditions and provide details for secure connection

19 UL listed junction box with UL approved shut-off switch to be placed in an accessible location, details and locations to be coordinated by sign fabricator and owner

20 1" conduit tube and electrical leads provides power (by others), sign fabricator to connect sign to power and coordinate additional details with owner and facilities management

21 Provide lighting control timer with photocell for managing the light schedule and (on and off at specific hours)

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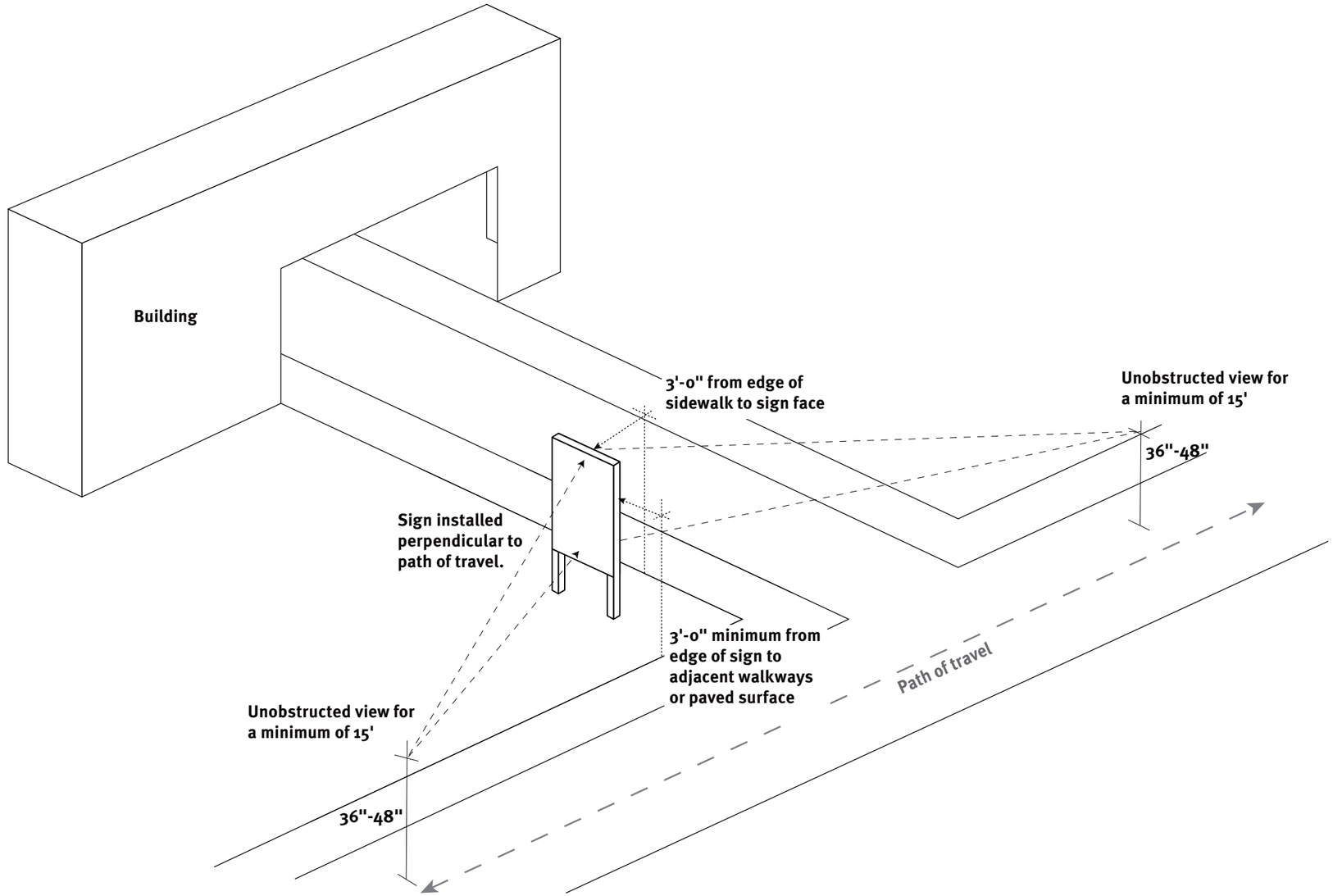
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		3" = 1'		4.5

VEH 6 – Garage ID (Sign Placement)



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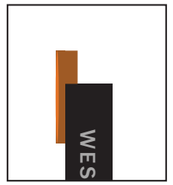
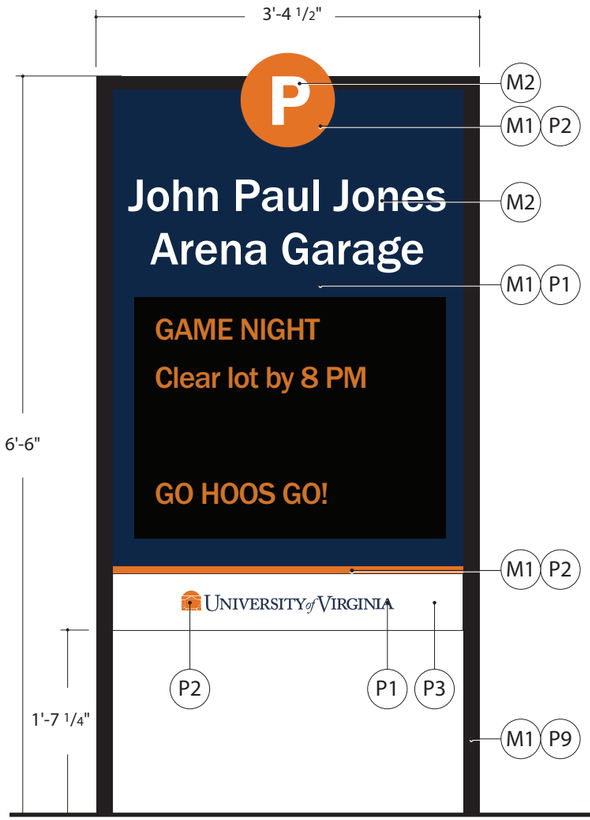
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		N/A		4.6

VEH 8 – Garage ID with Large Digital Panel (Elevation)

1 Top View
scale: 3/4" = 1'-0"



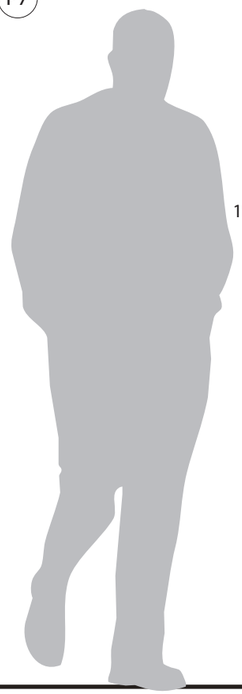
One-sided Parking P Cap

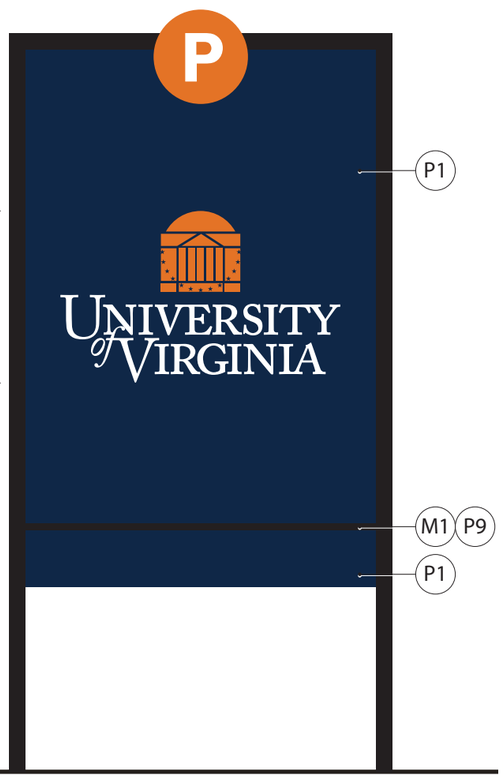


2 Elevation
scale: 3/4" = 1'-0"

Night View – Illuminated

3 Side View
scale: 3/4" = 1'-0"





4 Back View
scale: 3/4" = 1'-0"

How / When to Use:

1. To be used at major public garages or lots.
2. Only certain garages/lots are visitor parking. Signs using the P (in orange circle) should indicate visitor parking garages/ lots.
3. Variable message panel programming by others.
4. The white band may ONLY include the UVA lockup as shown. No modifications are acceptable.
5. The Grounds modifier should always be listed on the outsides of both posts.
6. Specification of the LED display varies greatly depending on most current technologies available. Pixel, pitch, frame rate, and data connection/controller software will be evaluated by UVA and the vendor to determine the best specification available based on usage, budget, and content to be displayed (influenced by viewing distance and speed of traffic).
7. Commuter parking lots do not receive parking P symbol.
8. This sign may NOT be mounted with any portion of the sign blocking a sidewalk.
9. 4" dimensional building-mounted address numbers (DIM 1) to be used for further identification of the garage.

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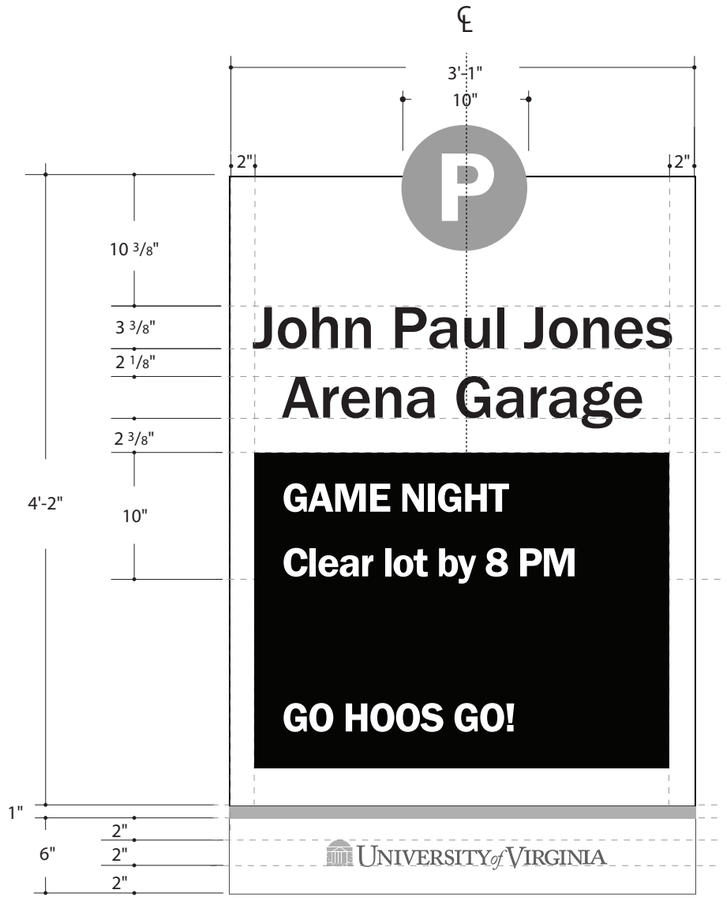
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		3/4" = 1'		4.7

VEH 8 – Garage ID with Large Digital Panel (Layout)



1 Layout
scale: 1" = 1'-0"

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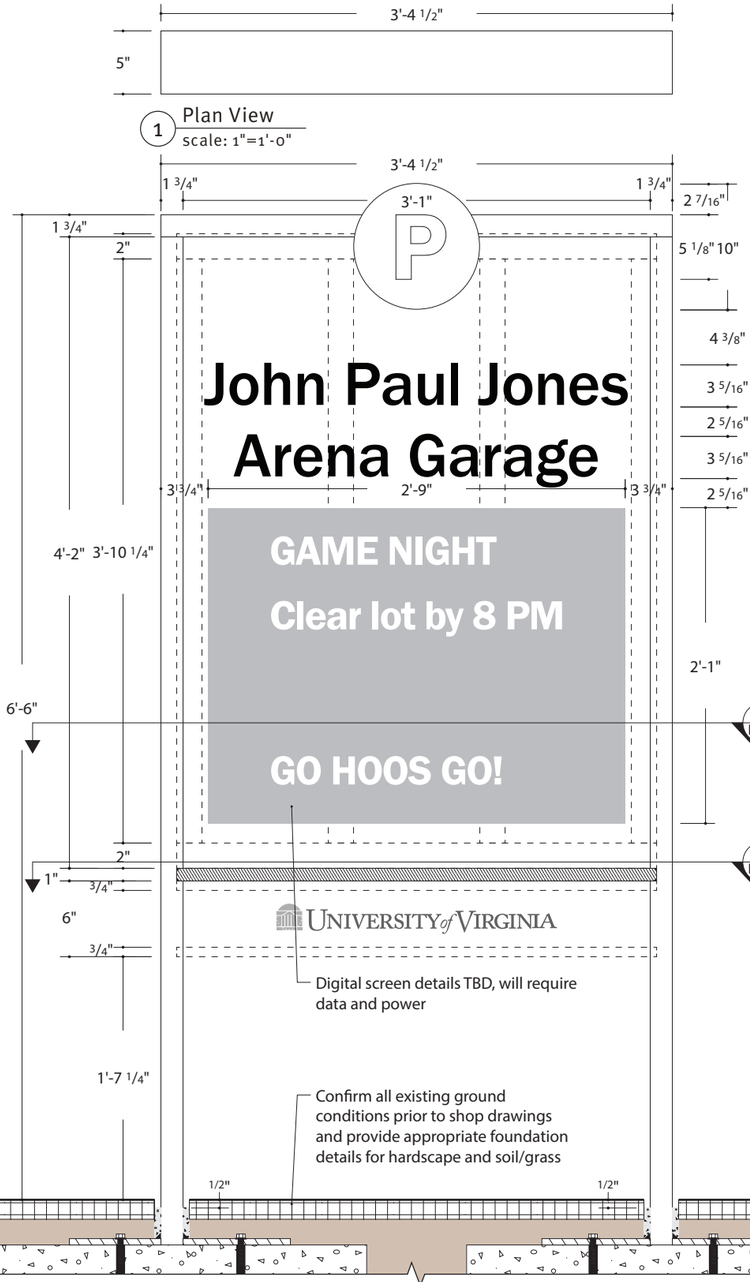
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		1" = 1'		4.8

VEH 8 – Garage ID with Large Digital Panel (Construction Details)

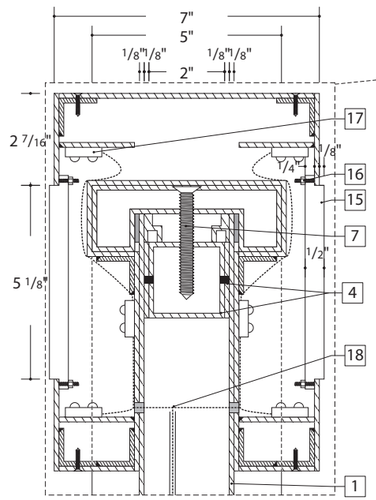
UNIVERSITY of VIRGINIA

4. Garage

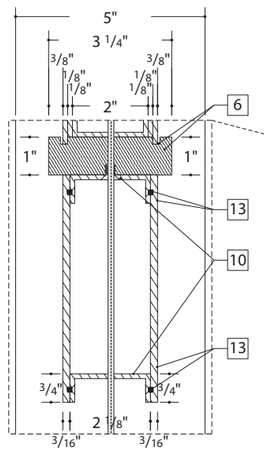


1 Plan View
scale: 1"=1'-0"

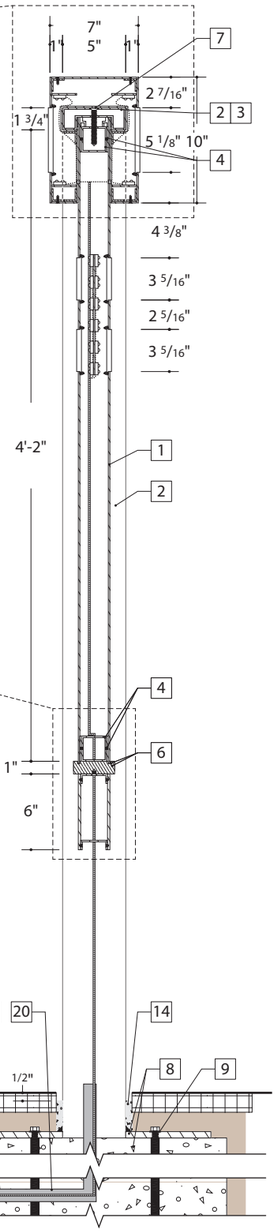
2 Aluminum Frame Details – Front Elevation
scale: 1"=1'-0"



3a Side Section View
scale: 3"=1'-0"



3b Side Section View
scale: 3"=1'-0"



3 Side Section View
scale: 1"=1'-0"

1. Removable 1/8" painted aluminum sign face, with digitally printed graphics or cut reflective vinyl applied to the surface
2. 1 3/4" x 5" aluminum extrusion with channels to allow removable message panel to slide out vertically
3. Removable 1 3/4" x 5" aluminum extrusion (top extrusion) fastened to 2" x 2" aluminum tube frame with countersunk fasteners painted to match adajcent surface; cap ends and fillet weld around entire cap, grind down all welds to be smooth and seamless
4. 2" x 2" aluminum tube frame with 1/8" thick aluminum strip plug welded to tube; weld tube frame together and fillet weld to vertical aluminum extrusions; grind down all welds to be smooth and seamless
5. Router-cut holes in vertical aluminum extrusion and insert aluminum frame's horizontal tubes, fillet weld horizontal tubes to aluminum extrusion; grind down all welds to be smooth and seamless
6. 3 1/4" wide by 1" thick aluminum bar (painted oranege) with router-cut channel to allow removable panels to sit in place; account for material tolerances for a smooth fit
7. Drill and tap aluminum structure for countersunk mechanical fasteners, fasteners to be set 1/16" below surface of aluminum, paint fasteners to match adjacent surface
8. Poured concrete foundation with appropriate match plate details, sign fabricator to provide engineered foundation details sealed by a certified engineer, verify existing conditions in field and inform designer and client of any issues that will affect design intent
9. Match plate connection to be below grade and hidden from view
10. Removable 2 1/8" x 3/4" aluminum channels mounted to aluminum bar with countersunk tamper-proof fasteners
11. Fillet weld 1/4" thick aluminum cap onto the end of of aluminum tube frame; fasten tube frame to vertical aluminum extrusion with tamper-proof countersunk mechanical fasteners, paint fasteners to match adjacent surface
12. Provide black neoprene pad in channel for removable panels to fit tightly in channel
13. Removable 3/16" thick aluminum bottom panel is fastened to aluminum channel with countersunk tamper-proof fasteners
14. Provide 1/2" wide expansion joint (gray) between adjacent hardscape surface and sign structure; no expansion joint necessary at soil/grass locations
15. 1/2" thick router-cut acrylic (frosted, translucent white) ; provide a 1/4" thick lip and mill down the edge of the acrylic, white diffuser film applied to the back side (as necessary)
16. Fillet weld threaded studs to aluminum and fasten acrylic with nuts and washers
17. White L.E.D. modules (5500K light temp.) run on a 120v or 240v line, sign fabricator to coordinate with architect
18. Waterproof low voltage wire connects to a dimming module to allow light intensity adjustments, connect to a remote transformer placed in an accessible area behind the wall, sign fabricator to verify existing conditions and provide details for secure connection
19. UL listed junction box with UL approved shut-off switch to be placed in an accessible location, details and locations to be coordinated by sign fabricator and owner
20. 1" conduit tube and electrical leads provides power (by others), sign fabricator to connect sign to power and coordinate additional details with owner and facilities management
21. Provide lighting control timer with photocell for managing the light schedule and (on and off at specific hours)

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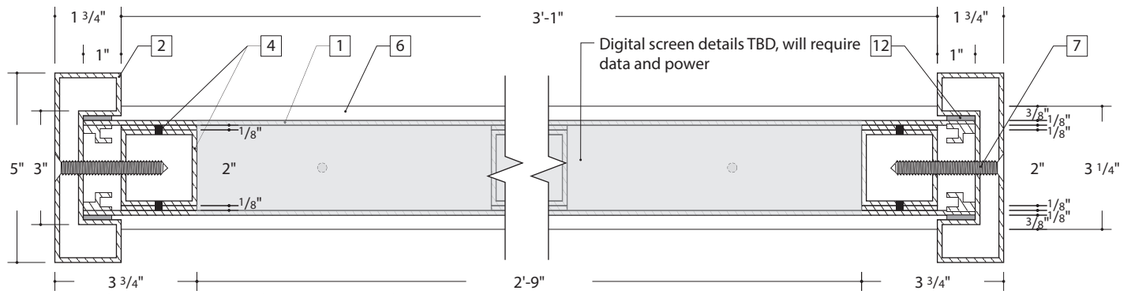
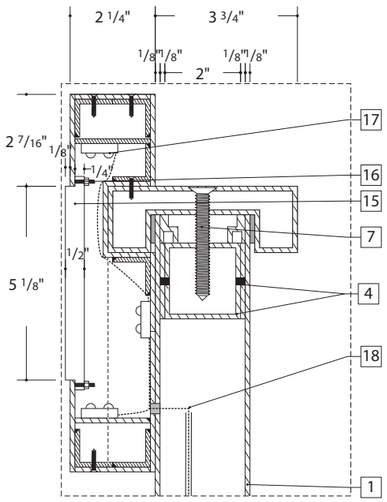
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		Multiple		4.9

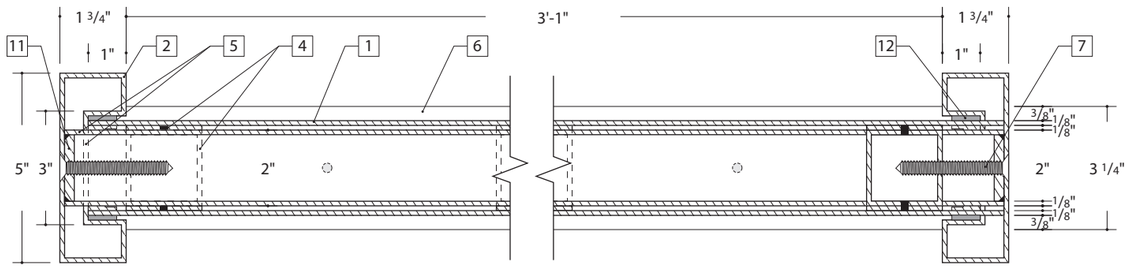
VEH 8 – Garage ID with Large Digital Panel (Construction Details, continued)



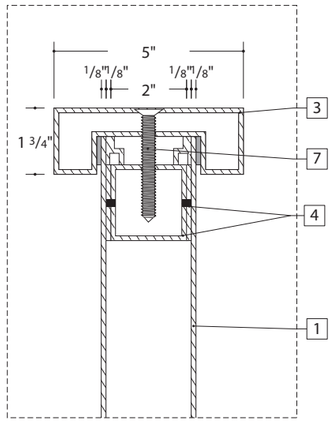
1 Plan View – Typical Section Details
scale: 3"=1'-0"



3 Alternate (single faced "P") – Side Section View
scale: 3"=1'-0"



2 Plan View – Typical Section Details
scale: 3"=1'-0"



4 Alternate (without "P") – Side Section View
scale: 3"=1'-0"

1. Removable 1/8" painted aluminum sign face, with digitally printed graphics or cut reflective vinyl applied to the surface
2. 1 3/4" x 5" aluminum extrusion with channels to allow removable message panel to slide out vertically
3. Removable 1 3/4" x 5" aluminum extrusion (top extrusion) fastened to 2" x 2" aluminum tube frame with countersunk fasteners painted to match adajcent surface; cap ends and fillet weld around entire cap, grind down all welds to be smooth and seamless
4. 2" x 2" aluminum tube frame with 1/8" thick aluminum strip plug welded to tube; weld tube frame together and fillet weld to vertical aluminum extrusions; grind down all welds to be smooth and seamless
5. Router-cut holes in vertical aluminum extrusion and insert aluminum frame's horizontal tubes, fillet weld horizontal tubes to aluminum extrusion; grind down all welds to be smooth and seamless
6. 3 1/4" wide by 1" thick aluminum bar (painted oranege) with router-cut channel to allow removable panels to sit in place; account for material tolerances for a smooth fit
7. Drill and tap aluminum structure for countersunk mechanical fasteners, fasteners to be set 1/16" below surface of aluminum, paint fasteners to match adjacent surface
8. Poured concrete foundation with appropriate match plate details, sign fabricator to provide engineered foundation details sealed by a certified engineer, verify existing conditions in field and inform designer and client of any issues that will affect design intent
9. Match plate connection to be below grade and hidden from view
10. Removable 2 1/8" x 3/4" aluminum channels mounted to aluminum bar with countersunk tamper-proof fasteners
11. Fillet weld 1/4" thick aluminum cap onto the end of of aluminum tube frame; fasten tube frame to vertical aluminum extrusion with tamper-proof countersunk mechanical fasteners, paint fasteners to match adjacent surface
12. Provide black neoprene pad in channel for removable panels to fit tightly in channel
13. Removable 3/16" thick aluminum bottom panel is fastened to aluminum channel with countersunk tamper-proof fasteners
14. Provide 1/2" wide expansion joint (gray) between adjacent hardscape surface and sign structure; no expansion joint necessary at soil/grass locations
15. 1/2" thick router-cut acrylic (frosted, translucent white) ; provide a 1/4" thick lip and mill down the edge of the acrylic, white diffuser film applied to the back side (as necessary)
16. Fillet weld threaded studs to aluminum and fasten acrylic with nuts and washers
17. White L.E.D. modules (5500K light temp.) run on a 120v or 240v line, sign fabricator to coordinate with architect
18. Waterproof low voltage wire connects to a dimming module to allow light intensity adjustments, connect to a remote transformer placed in an accessible area behind the wall, sign fabricator to verify existing conditions and provide details for secure connection
19. UL listed junction box with UL approved shut-off switch to be placed in an accessible location, details and locations to be coordinated by sign fabricator and owner
20. 1" conduit tube and electrical leads provides power (by others), sign fabricator to connect sign to power and coordinate additional details with owner and facilities management
21. Provide lighting control timer with photocell for managing the light schedule and (on and off at specific hours)

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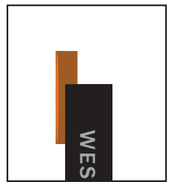
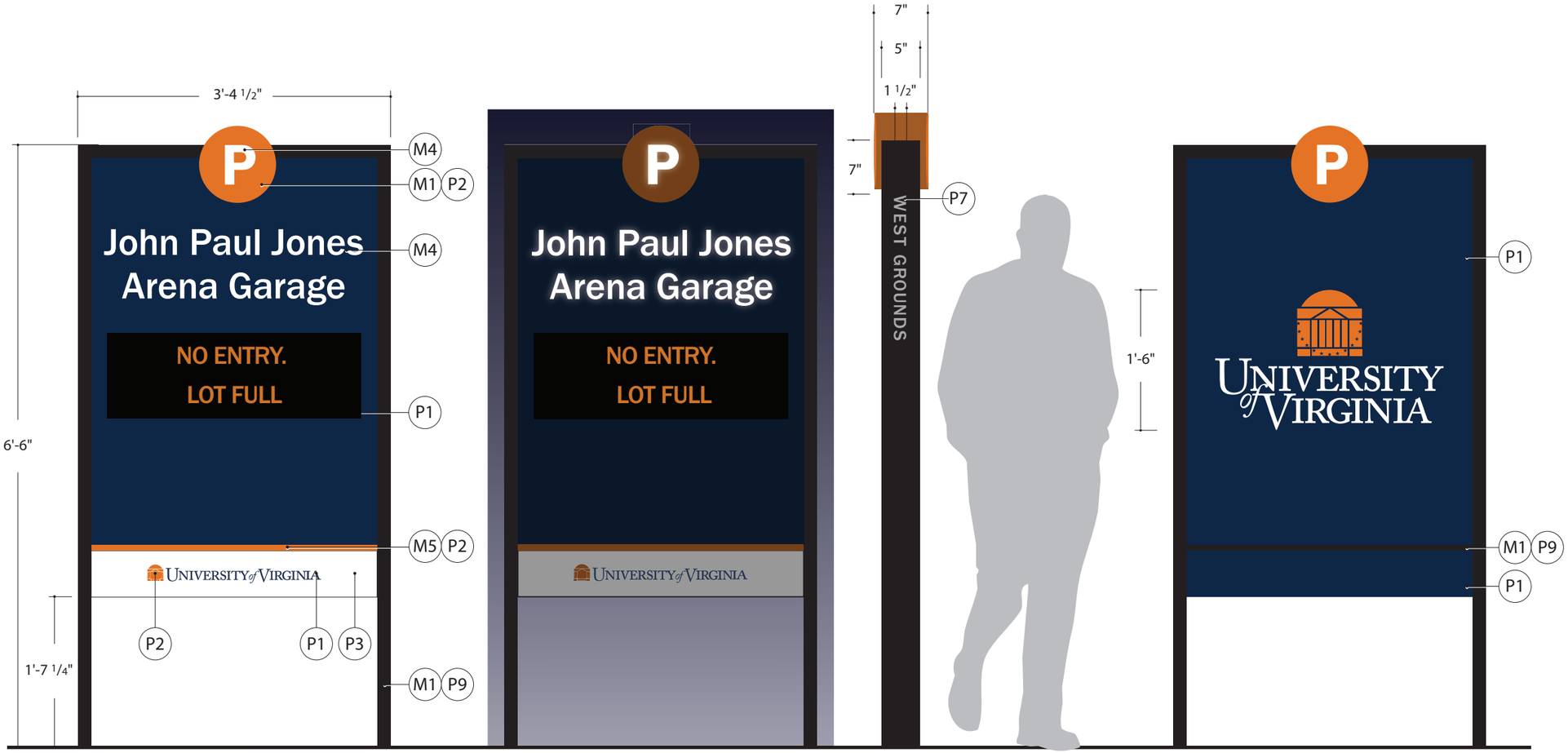
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		3" = 1'		4.10

VEH 8B – Garage ID with Small Digital Panel (Elevation)

1 Top View
scale: 3/4" = 1'-0"



One-sided Parking P Cap



2 Elevation
scale: 3/4" = 1'-0"

Night View – Illuminated

3 Side View
scale: 3/4" = 1'-0"

4 Back View
scale: 3/4" = 1'-0"

How / When to Use:

1. To be used at major public garages or lots.
2. Only certain garages/lots are visitor parking. Signs using the P (in orange circle) should indicate visitor parking garages/lots.
3. Payment and hours of operation may be listed on the sign.
4. Variable message panel programming by others.
5. The white band may ONLY include the UVA lockup as shown. No modifications are acceptable.
6. The Grounds modifier should always be listed on the outsides of both posts.
7. Specification of the LED display varies greatly depending on most current technologies available. Pixel, pitch, frame rate, and data connection/ controller software will be evaluated by UVA and the vendor to determine the best specification available based on usage, budget, and content to be displayed (influenced by viewing distance and speed of traffic).
8. This sign may NOT be mounted with any portion of the sign blocking a sidewalk.
9. 4" dimensional building-mounted address numbers (DIM 1) to be used for further identification of the garage.

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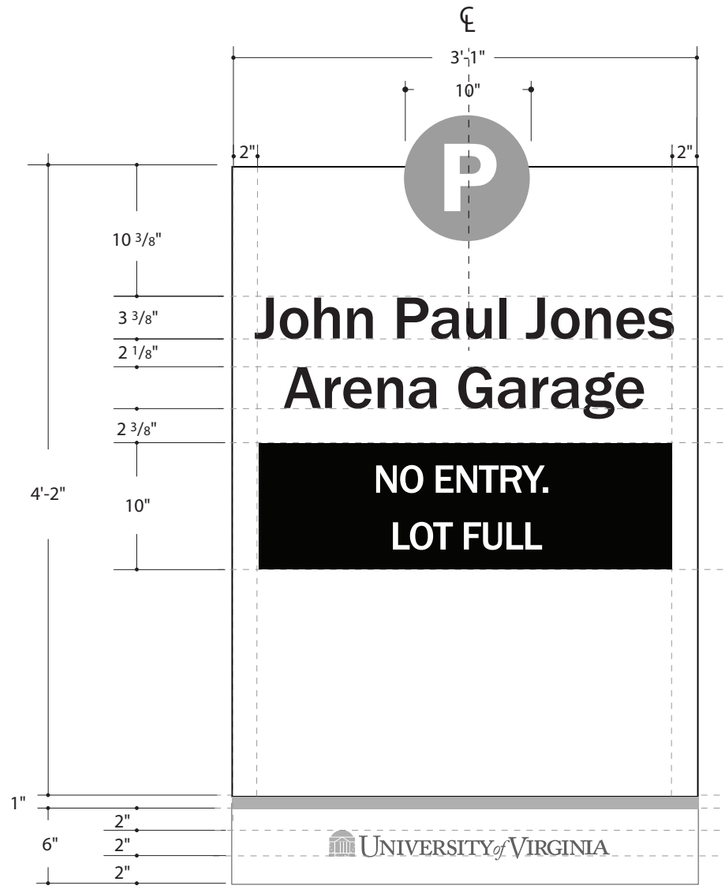
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		3/4" = 1'		4.11

VEH 8B – Garage ID with Small Digital Panel (Layout)



1 Layout
scale: 1" = 1'-0"

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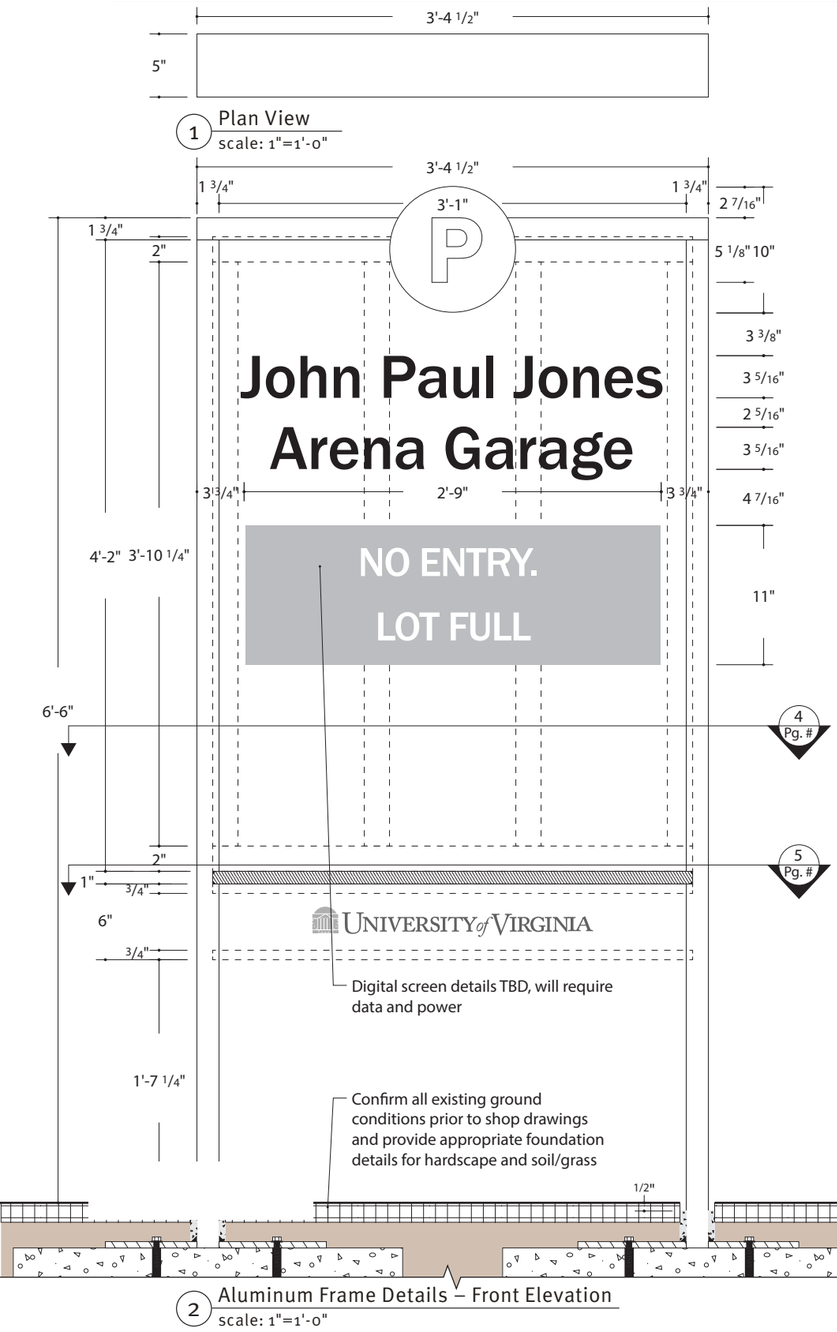
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

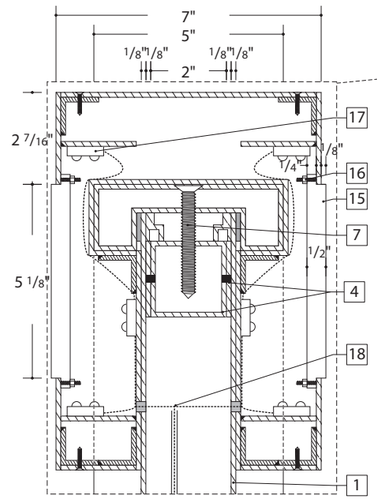
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		1" = 1'		4.12

VEH 8B – Garage ID with Small Digital Panel (Construction Details)

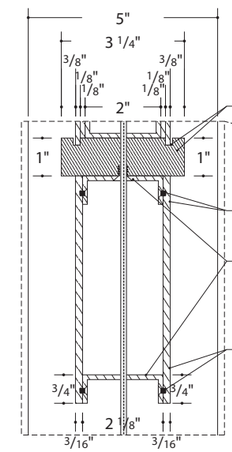


1 Plan View
scale: 1"=1'-0"

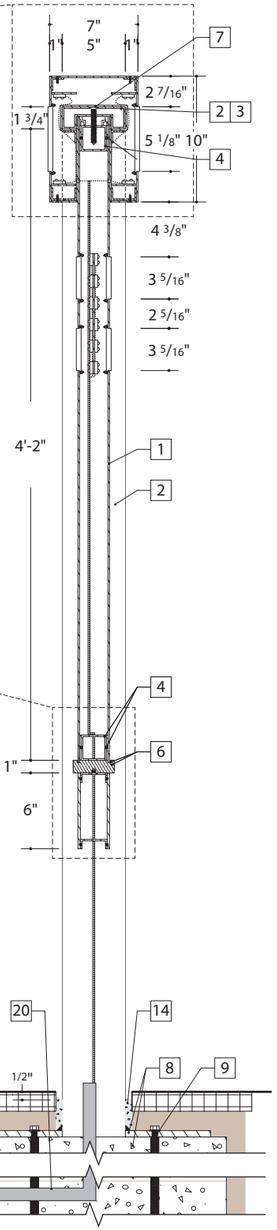
2 Aluminum Frame Details – Front Elevation
scale: 1"=1'-0"



3a Side Section View
scale: 3"=1'-0"



3b Side Section View
scale: 3"=1'-0"



3 Side Section View
scale: 1"=1'-0"

1. Removable 1/8" painted aluminum sign face, with digitally printed graphics or cut reflective vinyl applied to the surface
2. 1 3/4" x 5" aluminum extrusion with channels to allow removable message panel to slide out vertically
3. Removable 1 3/4" x 5" aluminum extrusion (top extrusion) fastened to 2" x 2" aluminum tube frame with countersunk fasteners painted to match adjacent surface; cap ends and fillet weld around entire cap, grind down all welds to be smooth and seamless
4. 2" x 2" aluminum tube frame with 1/8" thick aluminum strip plug welded to tube; weld tube frame together and fillet weld to vertical aluminum extrusions; grind down all welds to be smooth and seamless
5. Router-cut holes in vertical aluminum extrusion and insert aluminum frame's horizontal tubes, fillet weld horizontal tubes to aluminum extrusion; grind down all welds to be smooth and seamless
6. 3 1/4" wide by 1" thick aluminum bar (painted oranege) with router-cut channel to allow removable panels to sit in place; account for material tolerances for a smooth fit
7. Drill and tap aluminum structure for countersunk mechanical fasteners, fasteners to be set 1/16" below surface of aluminum, paint fasteners to match adjacent surface
8. Poured concrete foundation with appropriate match plate details, sign fabricator to provide engineered foundation details sealed by a certified engineer, verify existing conditions in field and inform designer and client of any issues that will affect design intent
9. Match plate connection to be below grade and hidden from view
10. Removable 2 1/8" x 3/4" aluminum channels mounted to aluminum bar with countersunk tamper-proof fasteners
11. Fillet weld 1/4" thick aluminum cap onto the end of of aluminum tube frame; fasten tube frame to vertical aluminum extrusion with tamper-proof countersunk mechanical fasteners, paint fasteners to match adjacent surface
12. Provide black neoprene pad in channel for removable panels to fit tightly in channel
13. Removable 3/16" thick aluminum bottom panel is fastened to aluminum channel with countersunk tamper-proof fasteners
14. Provide 1/2" wide expansion joint (gray) between adjacent hardscape surface and sign structure; no expansion joint necessary at soil/grass locations
15. 1/2" thick router-cut acrylic (frosted, translucent white) ; provide a 1/4" thick lip and mill down the edge of the acrylic, white diffuser film applied to the back side (as necessary)
16. Fillet weld threaded studs to aluminum and fasten acrylic with nuts and washers
17. White L.E.D. modules (5500K light temp.) run on a 120v or 240v line, sign fabricator to coordinate with architect
18. Waterproof low voltage wire connects to a dimming module to allow light intensity adjustments, connect to a remote transformer placed in an accessible area behind the wall, sign fabricator to verify existing conditions and provide details for secure connection
19. UL listed junction box with UL approved shut-off switch to be placed in an accessible location, details and locations to be coordinated by sign fabricator and owner
20. 1" conduit tube and electrical leads provides power (by others), sign fabricator to connect sign to power and coordinate additional details with owner and facilities management
21. Provide lighting control timer with photocell for managing the light schedule and (on and off at specific hours)

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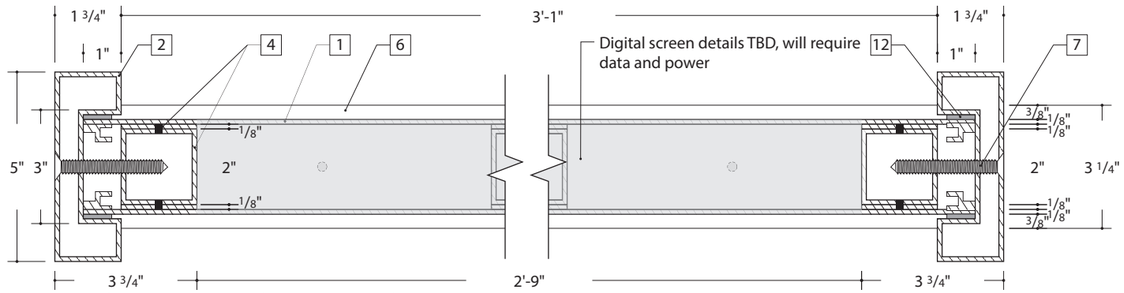
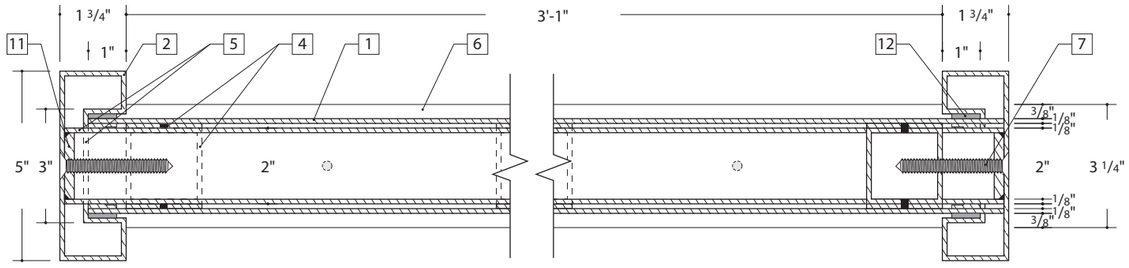
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		Multiple		4.13

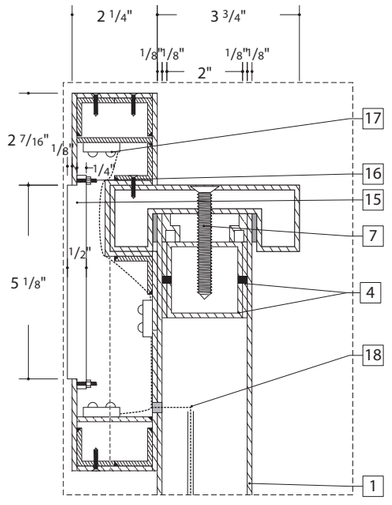
VEH 8B – Garage ID with Small Digital Panel (Construction Details, continued)



1 Plan View – Typical Section Details
scale: 3"=1'-0"



2 Plan View – Typical Section Details
scale: 3"=1'-0"



3 Alternate (single faced "P") – Side Section View
scale: 3"=1'-0"

1. Removable 1/8" painted aluminum sign face, with digitally printed graphics or cut reflective vinyl applied to the surface
2. 1 3/4" x 5" aluminum extrusion with channels to allow removable message panel to slide out vertically
3. Removable 1 3/4" x 5" aluminum extrusion (top extrusion) fastened to 2" x 2" aluminum tube frame with countersunk fasteners painted to match adajcent surface; cap ends and fillet weld around entire cap, grind down all welds to be smooth and seamless
4. 2" x 2" aluminum tube frame with 1/8" thick aluminum strip plug welded to tube; weld tube frame together and fillet weld to vertical aluminum extrusions; grind down all welds to be smooth and seamless
5. Router-cut holes in vertical aluminum extrusion and insert aluminum frame's horizontal tubes, fillet weld horizontal tubes to aluminum extrusion; grind down all welds to be smooth and seamless
6. 3 1/4" wide by 1" thick aluminum bar (painted oranege) with router-cut channel to allow removable panels to sit in place; account for material tolerances for a smooth fit
7. Drill and tap aluminum structure for countersunk mechanical fasteners, fasteners to be set 1/16" below surface of aluminum, paint fasteners to match adjacent surface
8. Poured concrete foundation with appropriate match plate details, sign fabricator to provide engineered foundation details sealed by a certified engineer, verify existing conditions in field and inform designer and client of any issues that will affect design intent
9. Match plate connection to be below grade and hidden from view
10. Removable 2 1/8" x 3/4" aluminum channels mounted to aluminum bar with countersunk tamper-proof fasteners
11. Fillet weld 1/4" thick aluminum cap onto the end of of aluminum tube frame; fasten tube frame to vertical aluminum extrusion with tamper-proof countersunk mechanical fasteners, paint fasteners to match adjacent surface
12. Provide black neoprene pad in channel for removable panels to fit tightly in channel
13. Removable 3/16" thick aluminum bottom panel is fastened to aluminum channel with countersunk tamper-proof fasteners
14. Provide 1/2" wide expansion joint (gray) between adjacent hardscape surface and sign structure; no expansion joint necessary at soil/grass locations
15. 1/2" thick router-cut acrylic (frosted, translucent white) ; provide a 1/4" thick lip and mill down the edge of the acrylic, white diffuser film applied to the back side (as necessary)
16. Fillet weld threaded studs to aluminum and fasten acrylic with nuts and washers
17. White L.E.D. modules (5500K light temp.) run on a 120v or 240v line, sign fabricator to coordinate with architect
18. Waterproof low voltage wire connects to a dimming module to allow light intensity adjustments, connect to a remote transformer placed in an accessible area behind the wall, sign fabricator to verify existing conditions and provide details for secure connection
19. UL listed junction box with UL approved shut-off switch to be placed in an accessible location, details and locations to be coordinated by sign fabricator and owner
20. 1" conduit tube and electrical leads provides power (by others), sign fabricator to connect sign to power and coordinate additional details with owner and facilities management
21. Provide lighting control timer with photocell for managing the light schedule and (on and off at specific hours)

This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:
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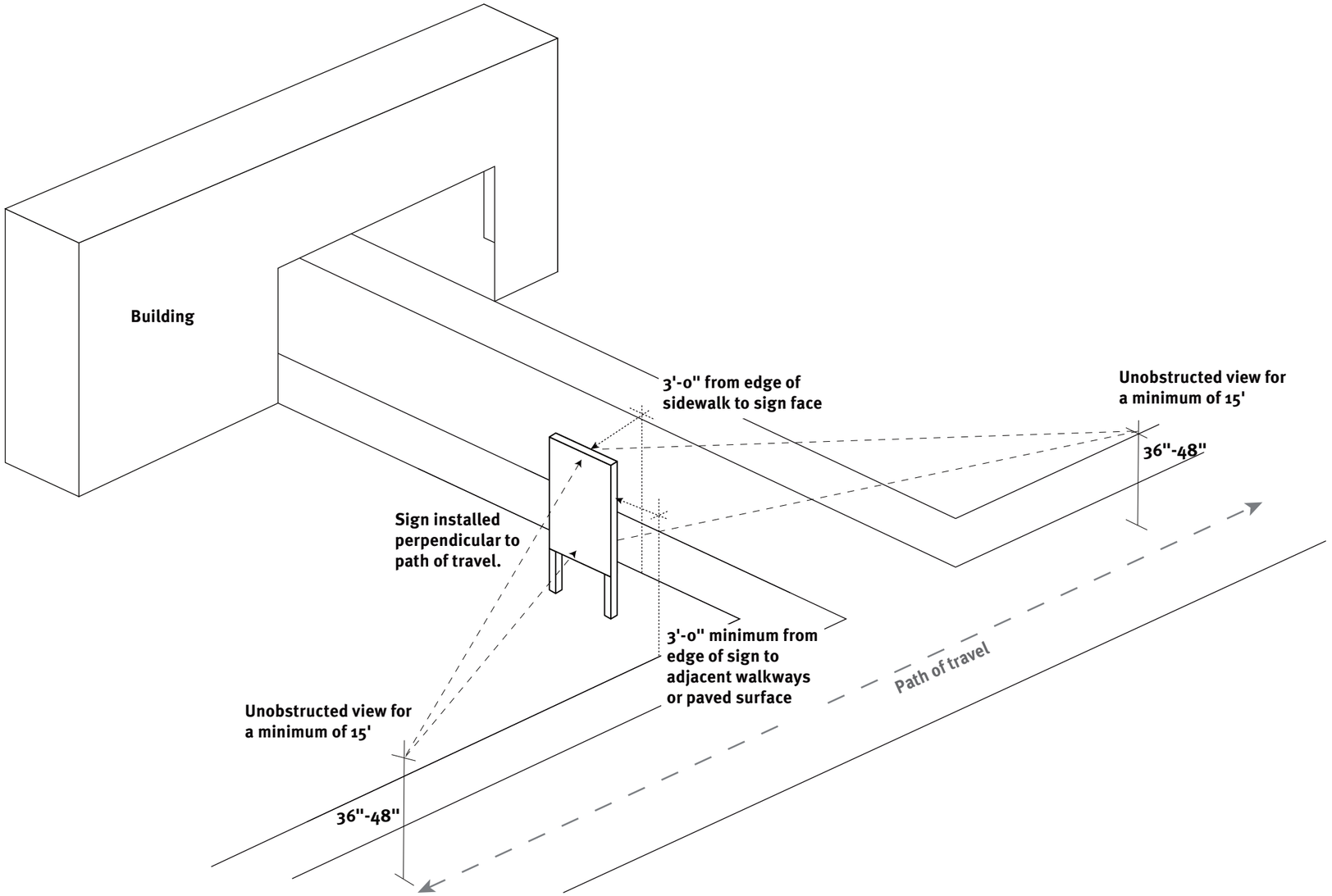
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		3" = 1'		4.14

VEH 8B – Garage ID with Small Digital Panel (Sign Placement)



How / When to Use:

1. This sign location diagram is intended as a general guideline only. All related specifications and site conditions should be reviewed and verified with the client prior to installation.

This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:
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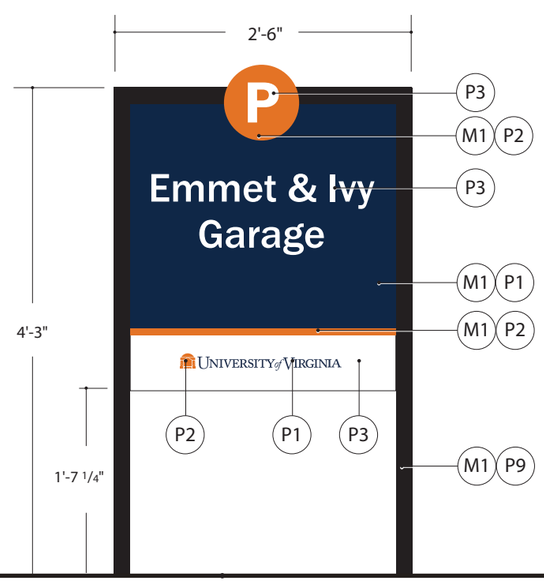
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

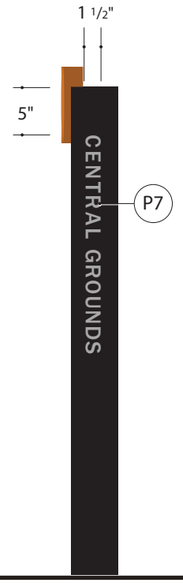
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		N/A		4.15

VEH 9 – Garage Entry (Elevation)

2 Elevation
scale: 3/4" = 1'-0"



2 Elevation
scale: 3/4" = 1'-0"



3 Side View
scale: 3/4" = 1'-0"

4 Back View
scale: 3/4" = 1'-0"

How / When to Use:

1. To be used at major public garages or lots.
2. Only certain garages/lots are visitor parking. Signs using the P (in orange circle) should indicate visitor parking garages/lots.
3. Payment and hours of operation may be listed on the sign.
4. The white band may ONLY include the UVA lockup as shown. No modifications are acceptable.
5. The Grounds modifier should always be listed on the outsides of both posts.
6. P&T to confirm messaging content of sign.
7. This sign may NOT be mounted with any portion of the sign blocking a sidewalk.
8. 4" dimensional building-mounted address numbers (DIM 1) to be used for further identification of the garage.

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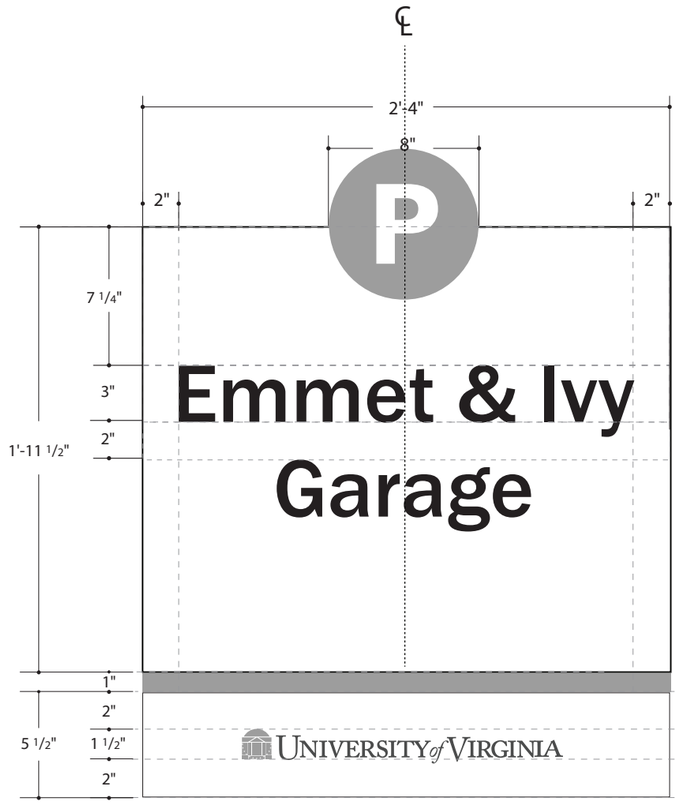
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

VEH 9 – Garage Entry (Layout)



1 Layout
scale: 1 1/2" = 1'-0"

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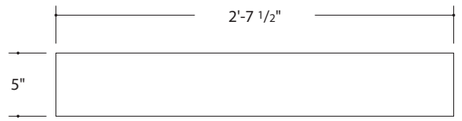
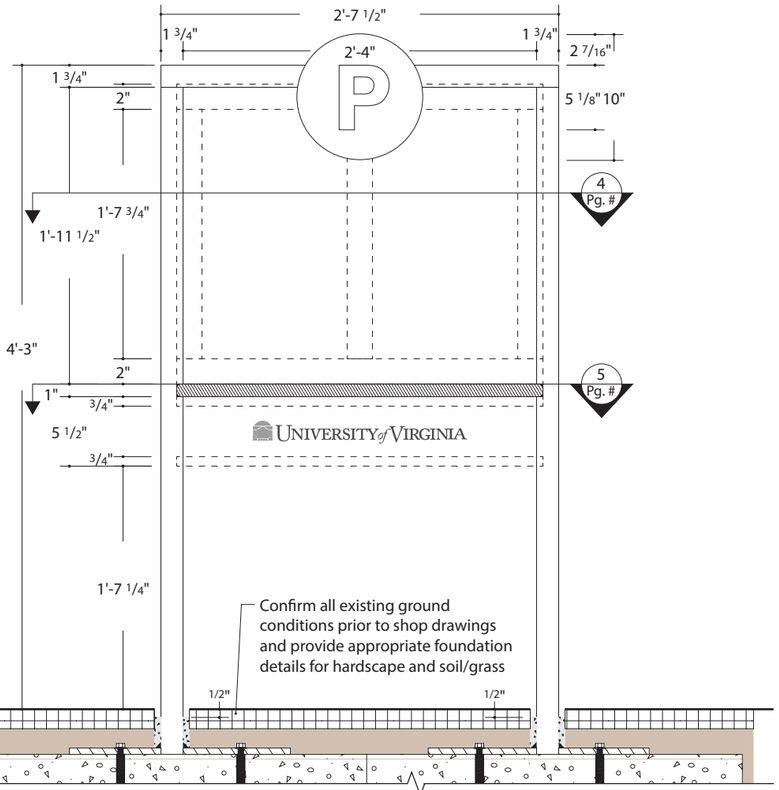
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		1 1/2" = 1'		4.17

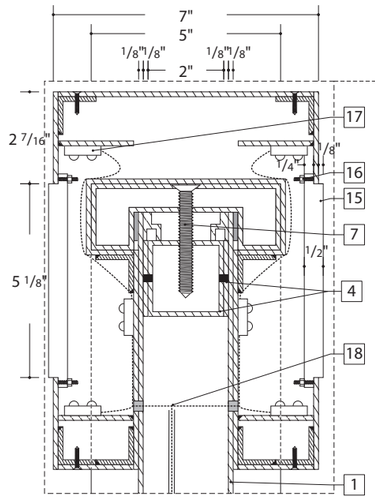
VEH 9 – Garage Entry (Construction Details)



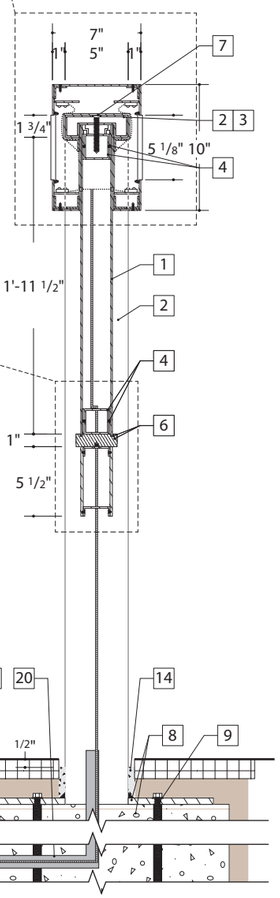
1 Plan View
scale: 1"=1'-0"

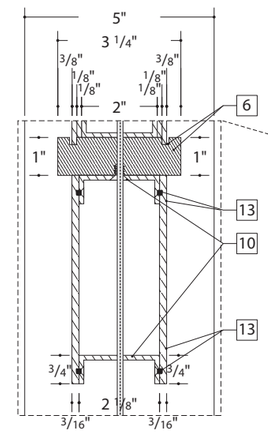


2 Aluminum Frame Details – Front Elevation
scale: 1"=1'-0"

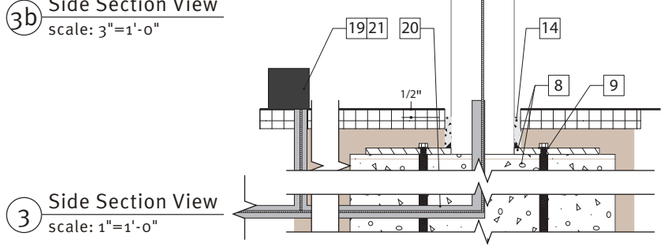


3a Side Section View
scale: 3"=1'-0"





3b Side Section View
scale: 3"=1'-0"



3 Side Section View
scale: 1"=1'-0"

1. Removable 1/8" painted aluminum sign face, with digitally printed graphics or cut reflective vinyl applied to the surface
2. 1 3/4" x 5" aluminum extrusion with channels to allow removable message panel to slide out vertically
3. Removable 1 3/4" x 5" aluminum extrusion (top extrusion) fastened to 2" x 2" aluminum tube frame with countersunk fasteners painted to match adajcent surface; cap ends and fillet weld around entire cap, grind down all welds to be smooth and seamless
4. 2" x 2" aluminum tube frame with 1/8" thick aluminum strip plug welded to tube; weld tube frame together and fillet weld to vertical aluminum extrusions; grind down all welds to be smooth and seamless
5. Router-cut holes in vertical aluminum extrusion and insert aluminum frame's horizontal tubes, fillet weld horizontal tubes to aluminum extrusion; grind down all welds to be smooth and seamless
6. 3 1/4" wide by 1" thick aluminum bar (painted oranege) with router-cut channel to allow removable panels to sit in place; account for material tolerances for a smooth fit
7. Drill and tap aluminum structure for countersunk mechanical fasteners, fasteners to be set 1/16" below surface of aluminum, paint fasteners to match adjacent surface
8. Poured concrete foundation with appropriate match plate details, sign fabricator to provide engineered foundation details sealed by a certified engineer, verify existing conditions in field and inform designer and client of any issues that will affect design intent
9. Match plate connection to be below grade and hidden from view
10. Removable 2 1/8" x 3/4" aluminum channels mounted to aluminum bar with countersunk tamper-proof fasteners
11. Fillet weld 1/4" thick aluminum cap onto the end of of aluminum tube frame; fasten tube frame to vertical aluminum extrusion with tamper-proof countersunk mechanical fasteners, paint fasteners to match adjacent surface
12. Provide black neoprene pad in channel for removable panels to fit tightly in channel
13. Removable 3/16" thick aluminum bottom panel is fastened to aluminum channel with countersunk tamper-proof fasteners
14. Provide 1/2" wide expansion joint (gray) between adjacent hardscape surface and sign structure; no expansion joint necessary at soil/grass locations
15. 1/2" thick router-cut acrylic (frosted, translucent white) ; provide a 1/4" thick lip and mill down the edge of the acrylic, white diffuser film applied to the back side (as necessary)
16. Fillet weld threaded studs to aluminum and fasten acrylic with nuts and washers
17. White L.E.D. modules (5500K light temp.) run on a 120v or 240v line, sign fabricator to coordinate with architect
18. Waterproof low voltage wire connects to a dimming module to allow light intensity adjustments, connect to a remote transformer placed in an accessible area behind the wall, sign fabricator to verify existing conditions and provide details for secure connection
19. UL listed junction box with UL approved shut-off switch to be placed in an accessible location, details and locations to be coordinated by sign fabricator and owner
20. 1" conduit tube and electrical leads provides power (by others), sign fabricator to connect sign to power and coordinate additional details with owner and facilities management
21. Provide lighting control timer with photocell for managing the light schedule and (on and off at specific hours)

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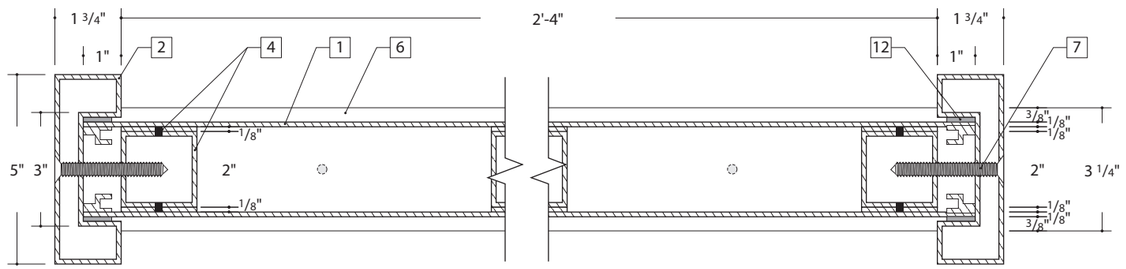
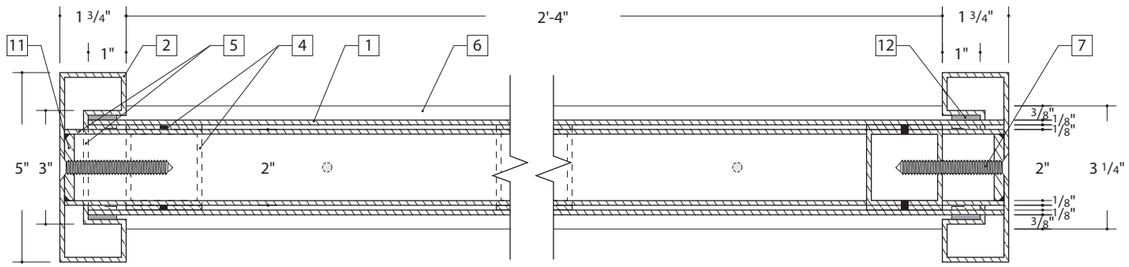
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		Multiple		4.18

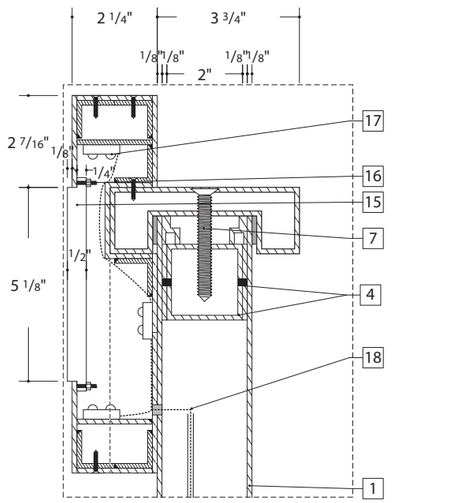
VEH 9 – Garage Entry (Construction Details, continued)



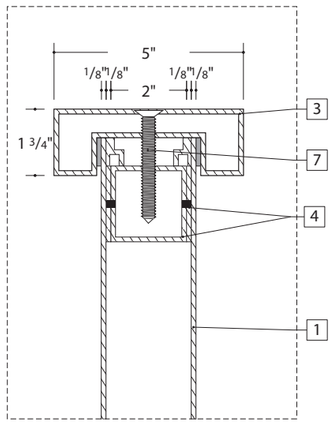
1 Plan View – Typical Section Details
scale: 3"=1'-0"



2 Plan View – Typical Section Details
scale: 3"=1'-0"



3 Alternate (single faced "P") – Side Section View
scale: 3"=1'-0"



4 Alternate (without "P") – Side Section View
scale: 3"=1'-0"

1. Removable 1/8" painted aluminum sign face, with digitally printed graphics or cut reflective vinyl applied to the surface
2. 1 3/4" x 5" aluminum extrusion with channels to allow removable message panel to slide out vertically
3. Removable 1 3/4" x 5" aluminum extrusion (top extrusion) fastened to 2" x 2" aluminum tube frame with countersunk fasteners painted to match adajcent surface; cap ends and fillet weld around entire cap, grind down all welds to be smooth and seamless
4. 2" x 2" aluminum tube frame with 1/8" thick aluminum strip plug welded to tube; weld tube frame together and fillet weld to vertical aluminum extrusions; grind down all welds to be smooth and seamless
5. Router-cut holes in vertical aluminum extrusion and insert aluminum frame's horizontal tubes, fillet weld horizontal tubes to aluminum extrusion; grind down all welds to be smooth and seamless
6. 3 1/4" wide by 1" thick aluminum bar (painted oranege) with router-cut channel to allow removable panels to sit in place; account for material tolerances for a smooth fit
7. Drill and tap aluminum structure for countersunk mechanical fasteners, fasteners to be set 1/16" below surface of aluminum, paint fasteners to match adjacent surface
8. Poured concrete foundation with appropriate match plate details, sign fabricator to provide engineered foundation details sealed by a certified engineer, verify existing conditions in field and inform designer and client of any issues that will affect design intent
9. Match plate connection to be below grade and hidden from view
10. Removable 2 1/8" x 3/4" aluminum channels mounted to aluminum bar with countersunk tamper-proof fasteners
11. Fillet weld 1/4" thick aluminum cap onto the end of of aluminum tube frame; fasten tube frame to vertical aluminum extrusion with tamper-proof countersunk mechanical fasteners, paint fasteners to match adjacent surface
12. Provide black neoprene pad in channel for removable panels to fit tightly in channel
13. Removable 3/16" thick aluminum bottom panel is fastened to aluminum channel with countersunk tamper-proof fasteners
14. Provide 1/2" wide expansion joint (gray) between adjacent hardscape surface and sign structure; no expansion joint necessary at soil/grass locations
15. 1/2" thick router-cut acrylic (frosted, translucent white) ; provide a 1/4" thick lip and mill down the edge of the acrylic, white diffuser film applied to the back side (as necessary)
16. Fillet weld threaded studs to aluminum and fasten acrylic with nuts and washers
17. White L.E.D. modules (5500K light temp.) run on a 120v or 240v line, sign fabricator to coordinate with architect
18. Waterproof low voltage wire connects to a dimming module to allow light intensity adjustments, connect to a remote transformer placed in an accessible area behind the wall, sign fabricator to verify existing conditions and provide details for secure connection
19. UL listed junction box with UL approved shut-off switch to be placed in an accessible location, details and locations to be coordinated by sign fabricator and owner
20. 1" conduit tube and electrical leads provides power (by others), sign fabricator to connect sign to power and coordinate additional details with owner and facilities management
21. Provide lighting control timer with photocell for managing the light schedule and (on and off at specific hours)

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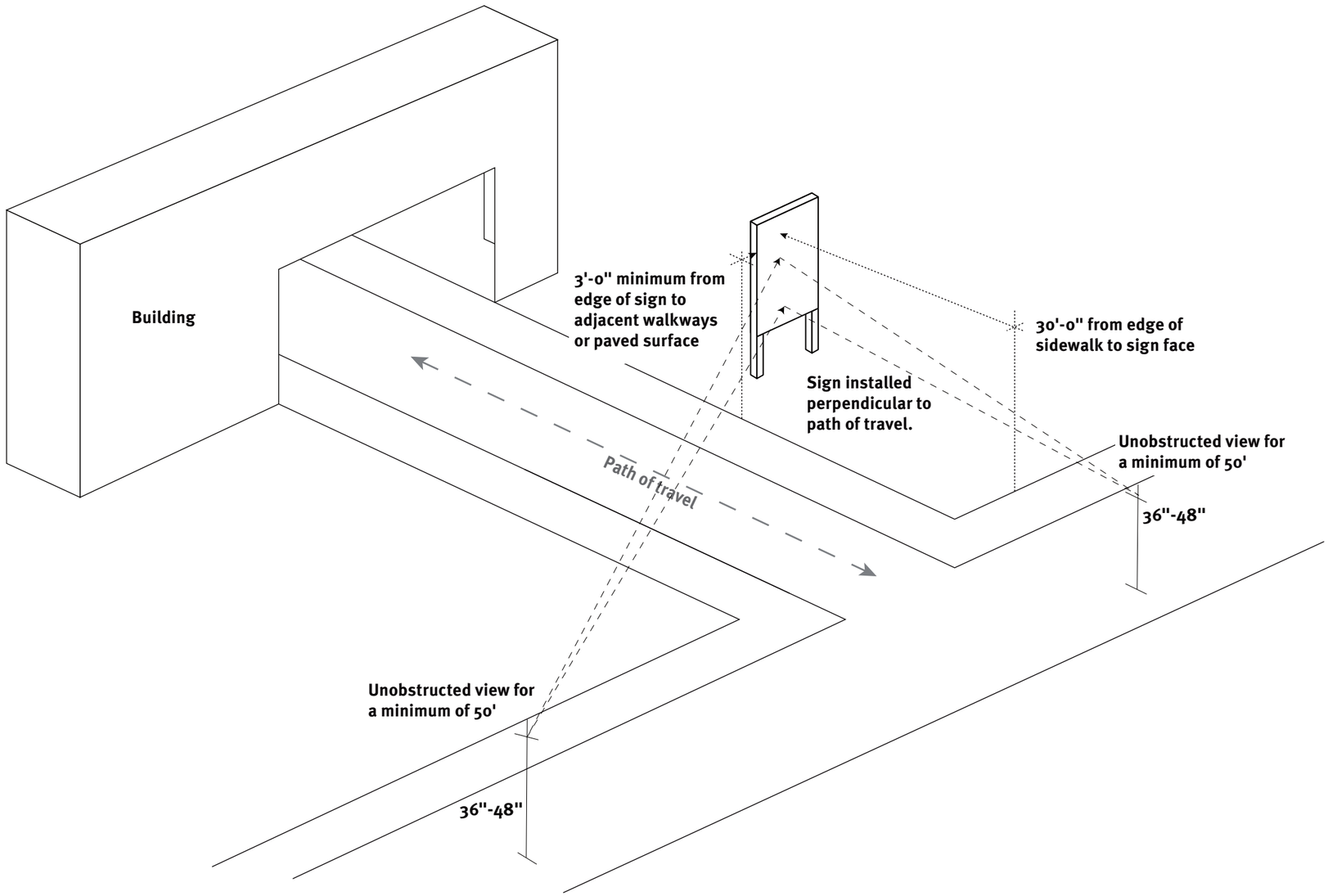
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		3" = 1'		4.19

VEH 9 – Garage Entry (Sign Placement)



How / When to Use:

1. This sign location diagram is intended as a general guideline only. All related specifications and site conditions should be reviewed and verified with the client prior to installation.

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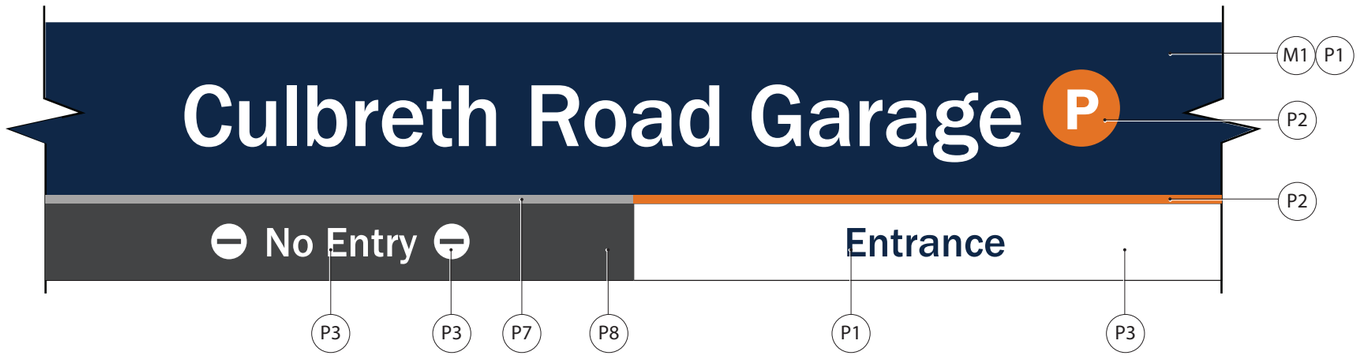
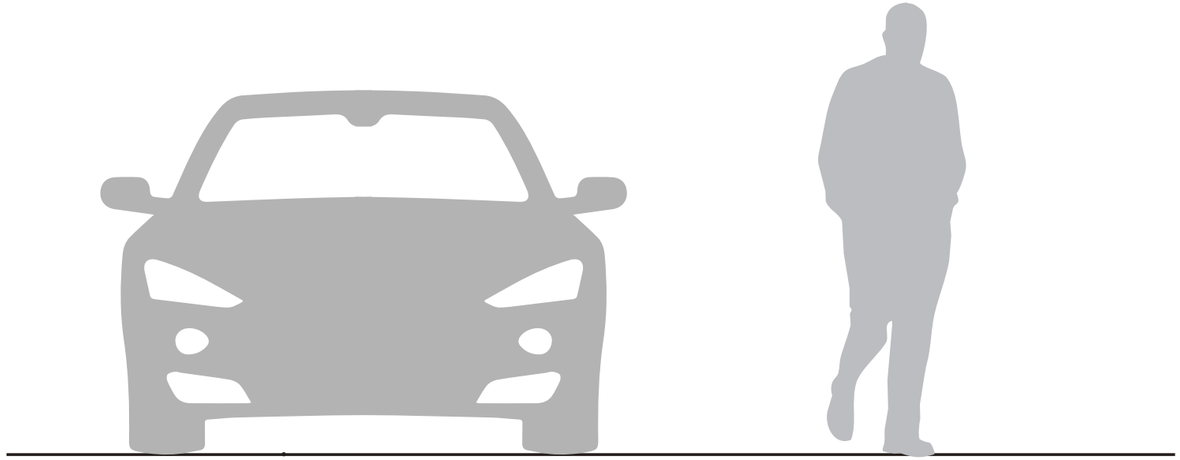
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		N/A		4.20

VEH 10 – Garage ID Overhead (Elevation)





1 Elevation
scale: 1/2" = 1'-0"

How / When to Use:

1. To be used at major public garages or lots.
2. Only certain garages/lots are visitor parking. Signs using the P (in orange circle) should indicate visitor parking garages/lots.
3. Highly dependent on architecture of the structure and available surfaces.
4. Commuter parking lots do not receive parking P symbol.
5. To be mounted to the building facade at the bottom edge of entry opening.

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- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		1/2" = 1'		4.21

VEH 10 – Garage ID Overhead (Layout)

1 Layout
scale: 3/4" = 1'-0"

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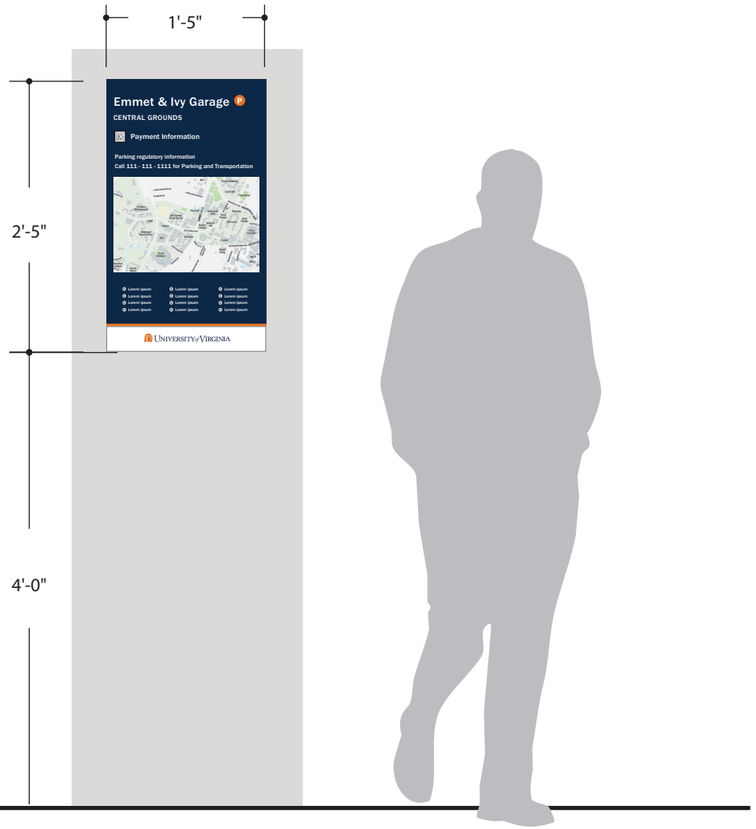
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

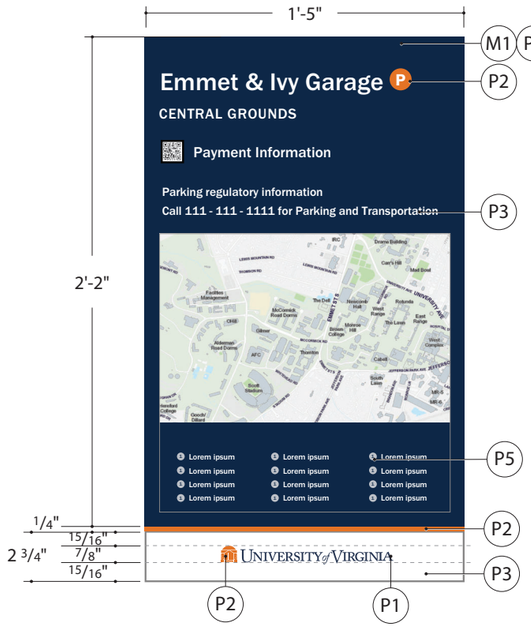
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		3/4" = 1'		4.22

PED 1 – Garage Wayfinding (Elevation)



1 Elevation
scale: 3/4" = 1'-0"

2 Side View
scale: 1 1/2" = 1'-0"



3 Panel
scale: 1 1/2" = 1'-0"

How / When to Use:

1. Sign should be located at garage exit lobbies where a vertical format is able to fit.
2. Map artwork being coordinated with UVA GIS department.
3. Commuter parking lots do not receive parking P symbol.
4. Sign layout is designed to fit ratio of 16:9 screens.

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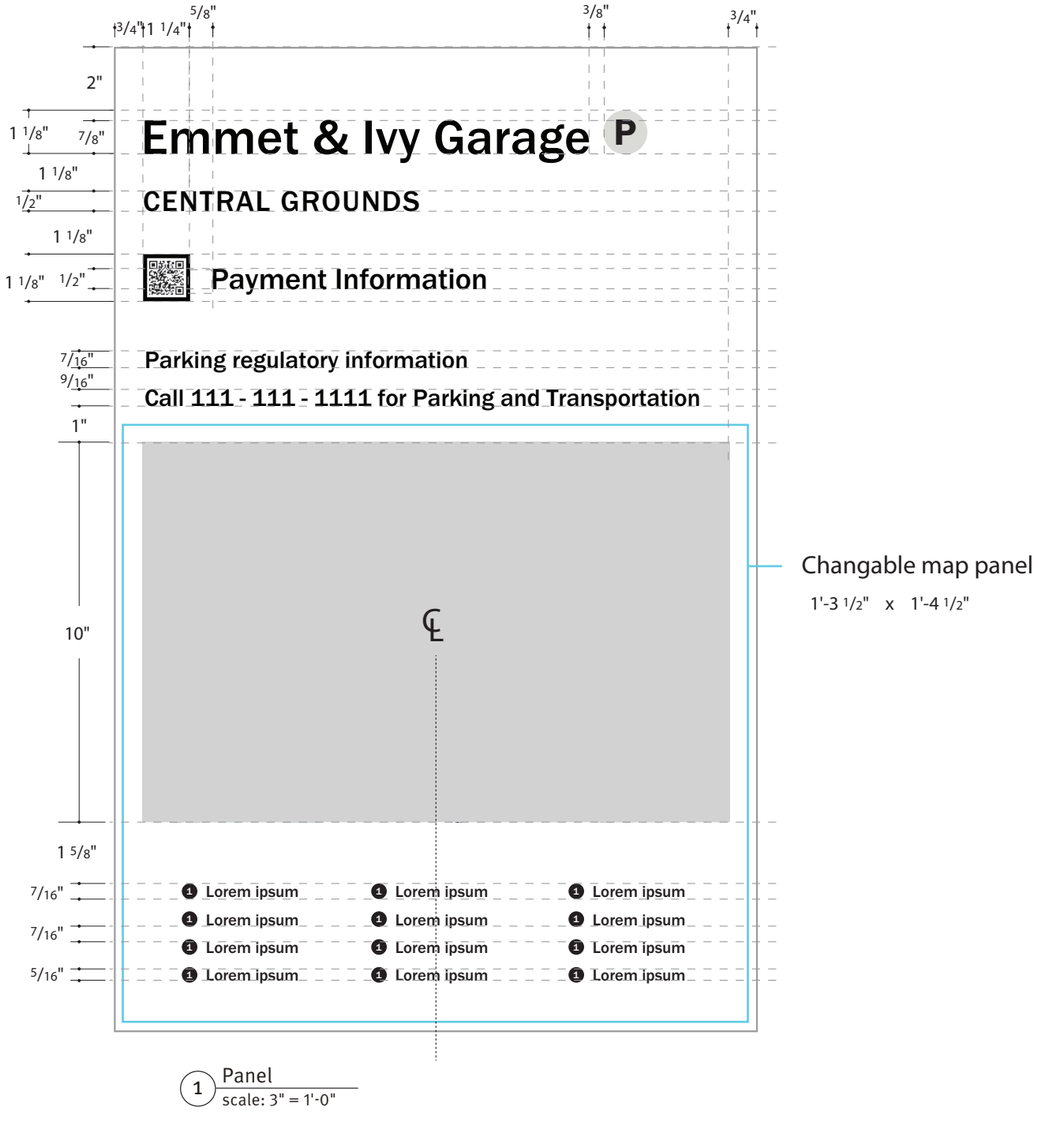
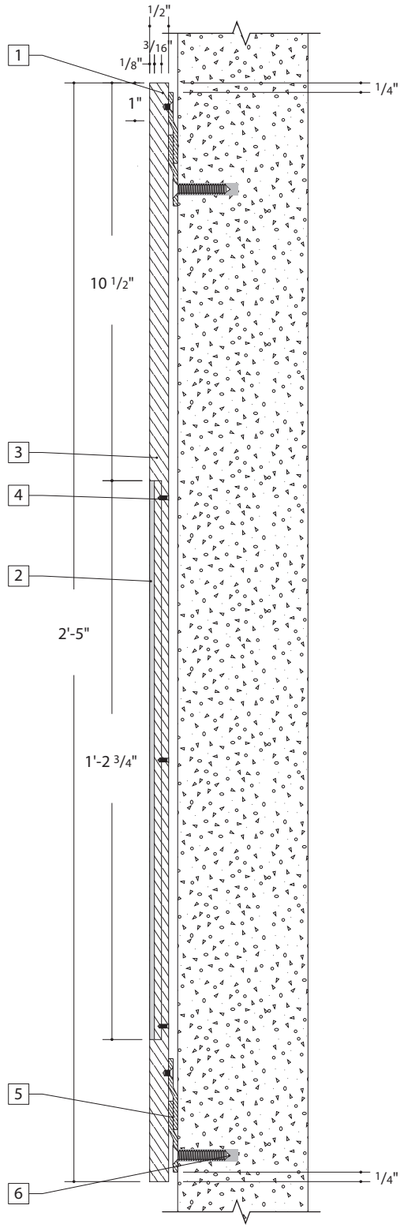
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		Multiple		4.23

PED 1 – Garage Wayfinding (Construction Detail)



1 Panel
scale: 3" = 1'-0"



2 Wall-mtd. Detail – Side Section (map)
scale: 3"=1'-0"

1. Removable 1/2" thick painted aluminum panel with digitally printed graphics
2. Router-cut square cavity for removable map
3. Removable 3/16" thick aluminum panel with printed vinyl map applied to surface
4. Removable map attached to 1/2" thick aluminum panel with countersunk mechanical fasteners
5. Provide lockable aluminum z-clip attachment details for removable panel, z-clips to span the width of sign with 1/4" set back from edges
6. Pre-drill hole and insert countersunk threaded fastener with clear siliconde adhesive, remove any excess adhesive to be clean and seamless

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- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		3" = 1'		4.24

Section **5 Building Identification**

Building Identifications – Overview

BID 1
Building ID, Large
Freestanding

BID 2
Building ID, Small
Freestanding

BID 4
Mounted Building ID
Wall-mounted

VNL 1
Entrance ID
On glass

DIM 1
Dimensional Address Numbers
Wall-mounted

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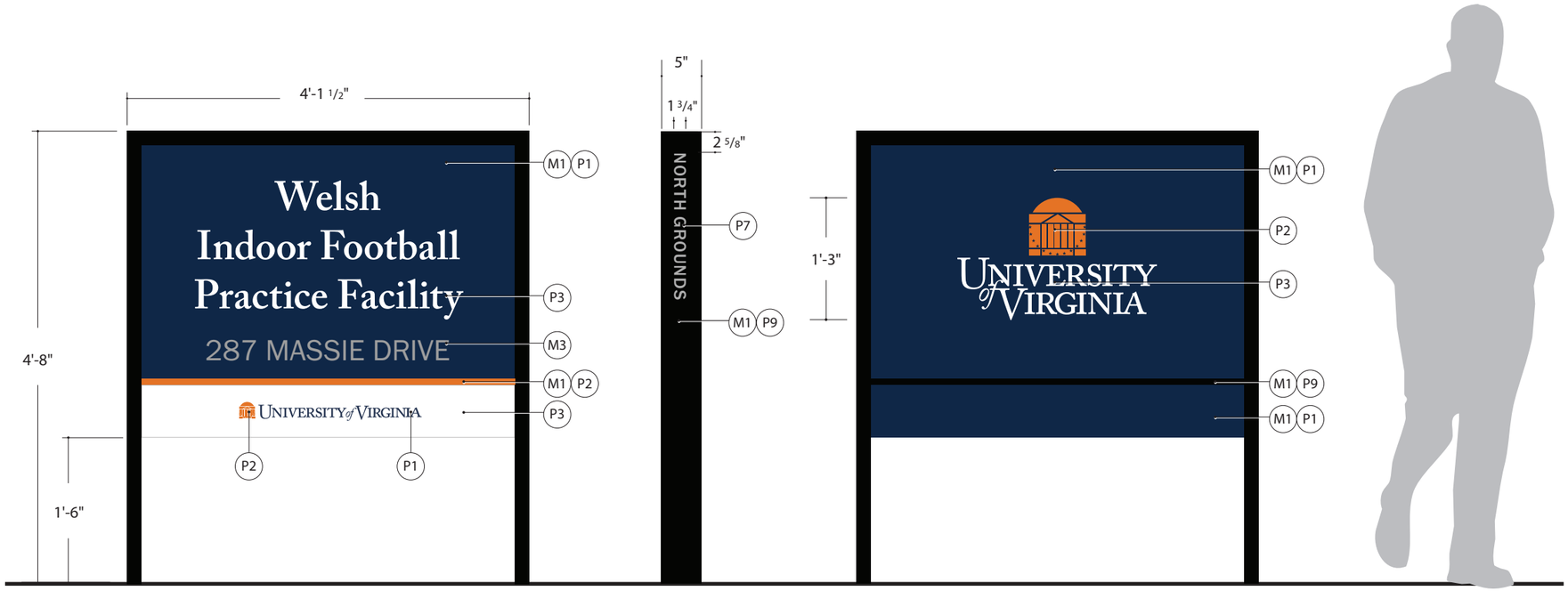
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		3/8" = 1'		5.1

BID 1 - Building Identification – Elevation

How / When to Use:

1. Sign to be placed adjacent building entries.
2. Where possible distinguishing information should be listed in the sub category.
3. Full 2.5" reflective address per Fire Marshall.

1 Plan View, Section
scale: 3/4" = 1'-0"



2 Front View
scale: 3/4" = 1'-0"

3 Side View
scale: 3/4" = 1'-0"

4 Back View
scale: 3/4" = 1'-0"

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- Obtaining any necessary engineering seals or permits.
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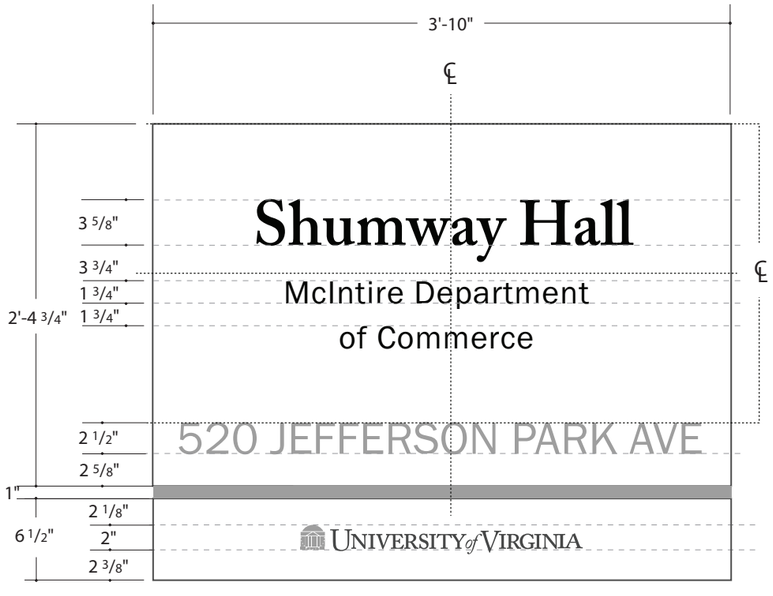
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		3/4" = 1'		5.2

BID 1 - Building Identification – Layout



1 Multi-line sub-destination
scale: 1" = 1'-0"

2 Multiple sub-destinations
scale: 1" = 1'-0"

3 Single Message
scale: 1" = 1'-0"

4 Multi-line ID
scale: 1" = 1'-0"

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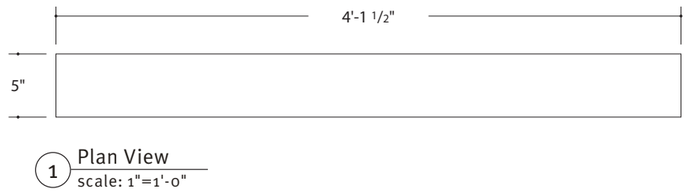
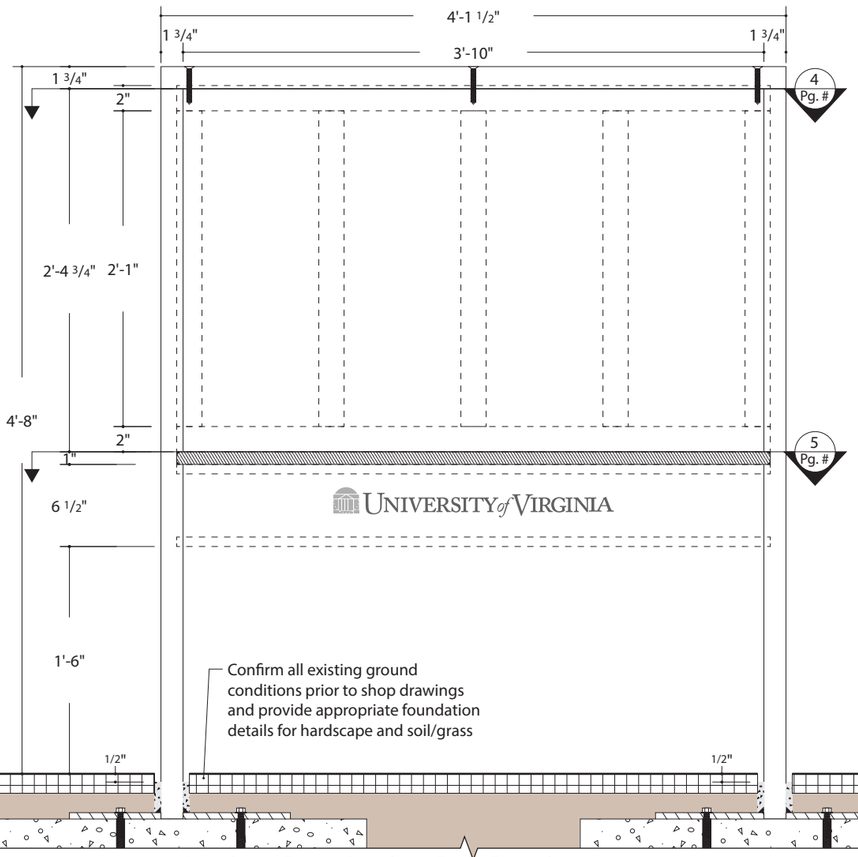
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		1" = 1'		5.3

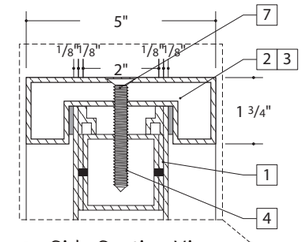
BID 1 - Building Identification – Construction Details



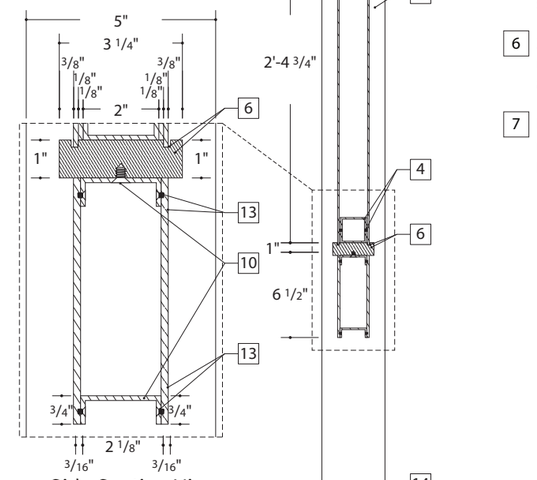
1 Plan View
scale: 1"=1'-0"



2 Aluminum Frame Details – Front Elevation
scale: 1"=1'-0"



3a Side Section View
scale: 3"=1'-0"



3b Side Section View
scale: 3"=1'-0"

3 Side Section View
scale: 1"=1'-0"

1 Removable 1/8" painted aluminum sign face, with digitally printed graphics or cut reflective vinyl applied to the surface

2 1 3/4" x 5" aluminum extrusion with channels to allow removable message panel to slide out vertically

3 Removable 1 3/4" x 5" aluminum extrusion (top extrusion) fastened to 2" x 2" aluminum tube frame with countersunk fasteners painted to match adajcent surface; cap ends and fillet weld around entire cap, grind down all welds to be smooth and seamless

4 2" x 2" aluminum tube frame with 1/8" thick aluminum strip plug welded to tube; weld tube frame together and fillet weld to vertical aluminum extrusions; grind down all welds to be smooth and seamless

5 Router-cut holes in vertical aluminum extrusion and insert aluminum frame's horizontal tubes, fillet weld horizontal tubes to aluminum extrusion; grind down all welds to be smooth and seamless

6 3 1/4" wide by 1" thick aluminum bar (painted oranege) with router-cut channel to allow removable panels to sit in place; account for material tolerances for a smooth fit

7 Drill and tap aluminum structure for countersunk mechanical fasteners, fasteners to be set 1/16" below surface of aluminum, paint fasteners to match adjacent surface

8 Poured concrete foundation with appropriate match plate details, sign fabricator to provide engineered foundation details sealed by a certified engineer, verify existing conditions in field and inform designer and client of any issues that will affect design intent

9 Match plate connection to be below grade and hidden from view

10 Removable 2 1/8" x 3/4" aluminum channels mounted to aluminum bar with countersunk tamper-proof fasteners

11 Fillet weld 1/4" thick aluminum cap onto the end of of aluminum tube frame; fasten tube frame to vertical aluminum extrusion with tamper-proof countersunk mechanical fasteners, paint fasteners to match adjacent surface

12 Provide black neoprene pad in channel for removable panels to fit tightly in channel

13 Removable 3/16" thick aluminum bottom panel is fastened to aluminum channel with countersunk tamper-proof fasteners

14 Provide 1/2" wide expansion joint (gray) between adjacent hardscape surface and sign structure; no expansion joint necessary at soil/grass locations

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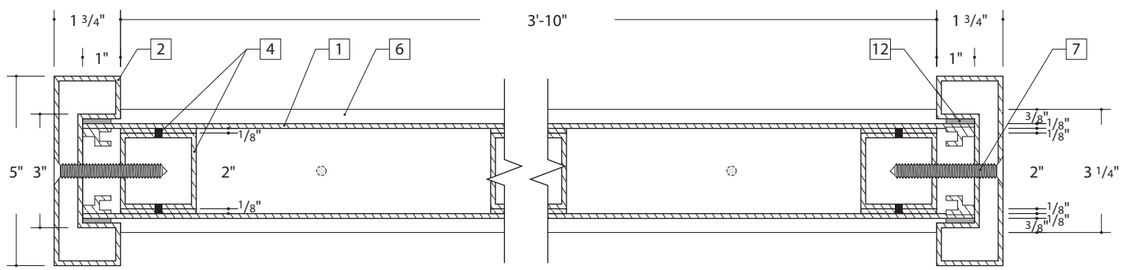
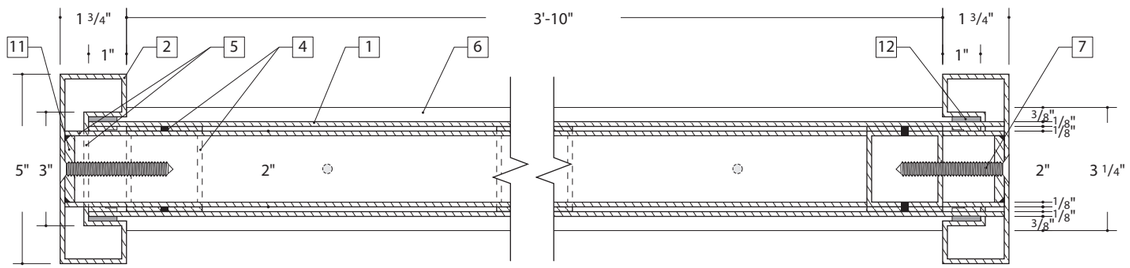
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		Multiple		5.4

BID 1 - Building Identification – Construction Details, continued



1 Plan View – Typical Section Details
scale: 3"=1'-0"



2 Plan View – Typical Section Details
scale: 3"=1'-0"

1 Removable 1/8" painted aluminum sign face, with digitally printed graphics or cut reflective vinyl applied to the surface

2 1 3/4" x 5" aluminum extrusion with channels to allow removable message panel to slide out vertically

3 Removable 1 3/4" x 5" aluminum extrusion (top extrusion) fastened to 2" x 2" aluminum tube frame with countersunk fasteners painted to match adajcent surface; cap ends and fillet weld around entire cap, grind down all welds to be smooth and seamless

4 2" x 2" aluminum tube frame with 1/8" thick aluminum strip plug welded to tube; weld tube frame together and fillet weld to vertical aluminum extrusions; grind down all welds to be smooth and seamless

5 Router-cut holes in vertical aluminum extrusion and insert aluminum frame's horizontal tubes, fillet weld horizontal tubes to aluminum extrusion; grind down all welds to be smooth and seamless

6 3 1/4" wide by 3/4" thick aluminum bar (painted oranege) with router-cut channel to allow removable panels to sit in place; account for material tolerances for a smooth fit

7 Drill and tap aluminum structure for countersunk mechanical fasteners, fasteners to be set 1/16" below surface of aluminum, paint fasteners to match adjacent surface

8 Poured concrete foundation with appropriate match plate details, sign fabricator to provide engineered foundation details sealed by a certified engineer, verify existing conditions in field and inform designer and client of any issues that will affect design intent

9 Match plate connection to be below grade and hidden from view

10 Removable 1" x 1" aluminum channels mounted to 2" x 2" aluminum frame with countersunk tamper-proof fasteners

11 Fillet weld 1/4" thick aluminum cap onto the end of of aluminum tube frame; fasten tube frame to vertical aluminum extrusion with tamper-proof countersunk mechanical fasteners, paint fasteners to match adjacent surface

12 Provide black neoprene pad in channel for removable panels to fit tightly in channel

13 Removable bottom panel is fastened to aluminum channel with countersunk tamper-proof fasteners, provide VHB tape to secure upper portion of panel to aluminum frame

14 Provide 1/2" wide expansion joint (gray) between adjacent hardscape surface and sign structure; no expansion joint necessary at soil/grass locations

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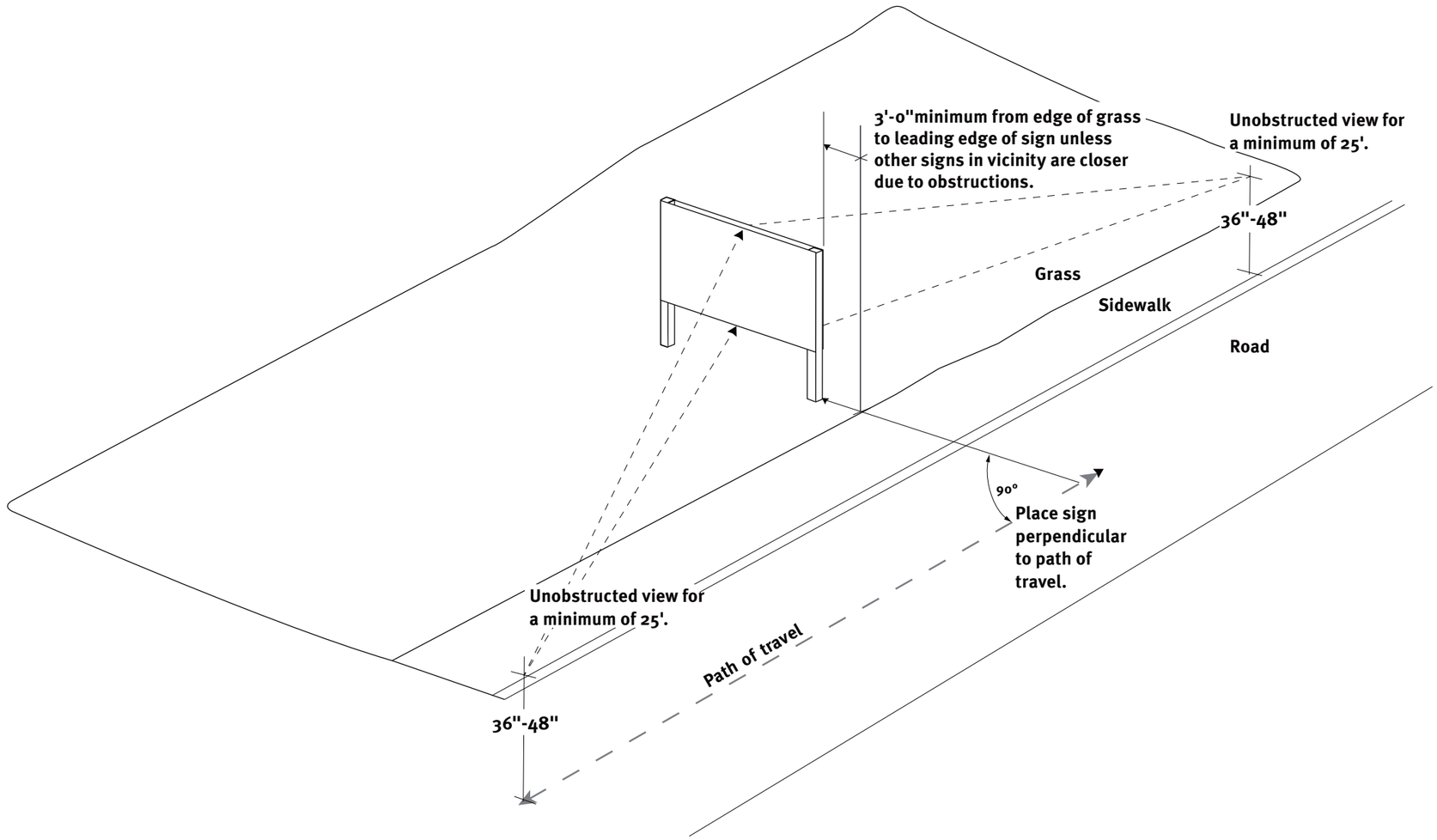
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		3" = 1'		5.5

BID 1 - Building Identification – Sign Placement



How / When to Use:

1. This sign location diagram is intended as a general guideline only. All related specifications and site conditions should be reviewed and verified with the client prior to installation.

2. Though parallel installation may have to be accommodate due to road and sidewalk conditions, perpendicular installation is preferred.

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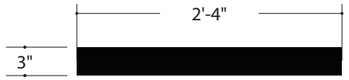
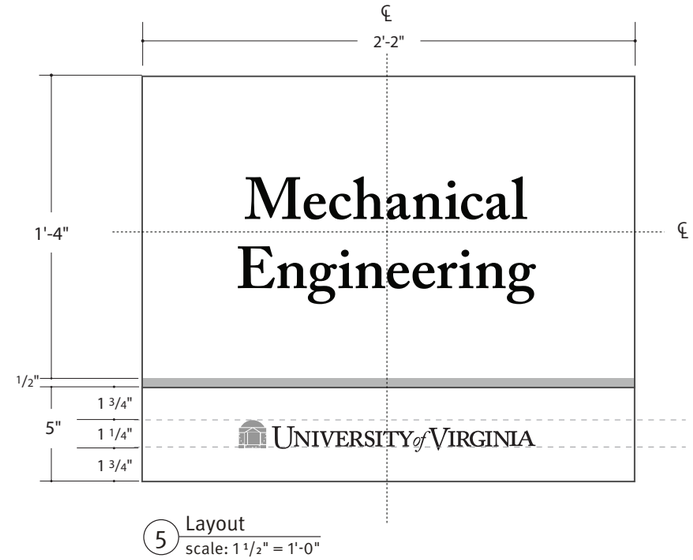
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		N/A		5.6

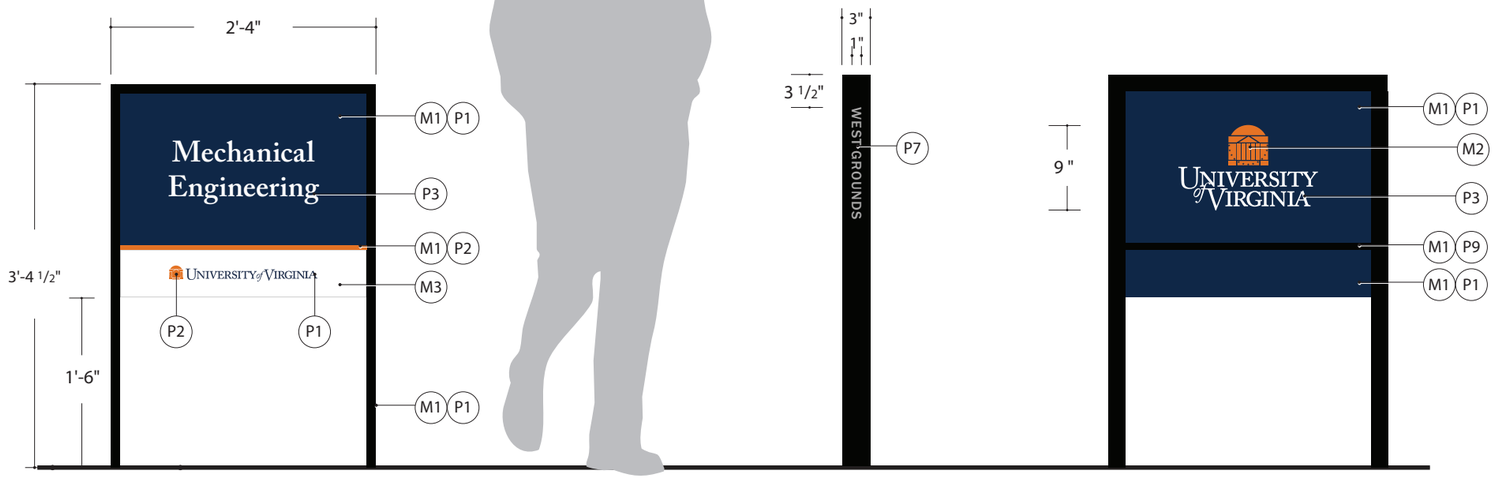
BID 2 - Building Identification, Small – Elevation



1 Top View
scale: 3/4" = 1'-0"



5 Layout
scale: 1 1/2" = 1'-0"



2 Front View
scale: 3/4" = 1'-0"

3 Side View
scale: 3/4" = 1'-0"

4 Back View
scale: 3/4" = 1'-0"

5. Building Identification

How / When to Use:

1. To be used in areas with minimal space for signage, or in areas where so many BID 1s in a row would overcrowd the area.

2. Pedestrian-scale signs are not intended as the primary ID point for emergency services. As such, it is expected there is a building mounted address number to fulfill the code requirement. If it is helpful to wayfinding to include an address number, 2" tall numbers may be included.

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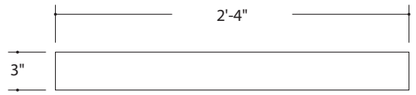
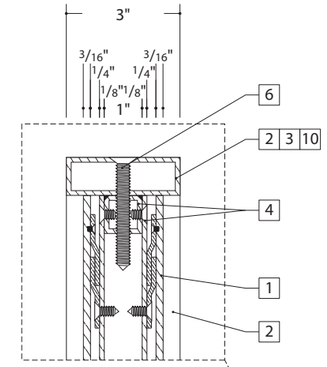
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		Multiple		5·7

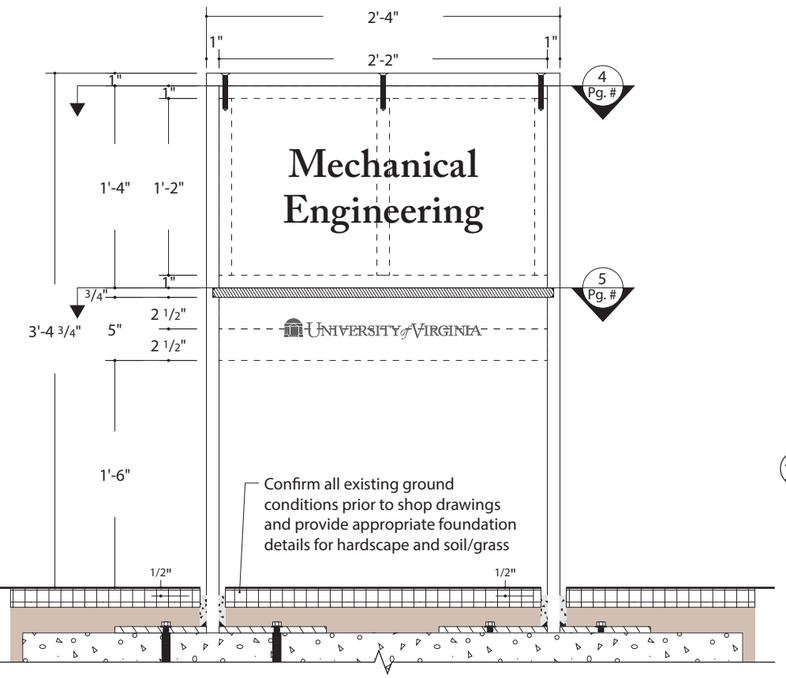
BID 2 - Building Identification, Small – Construction Details



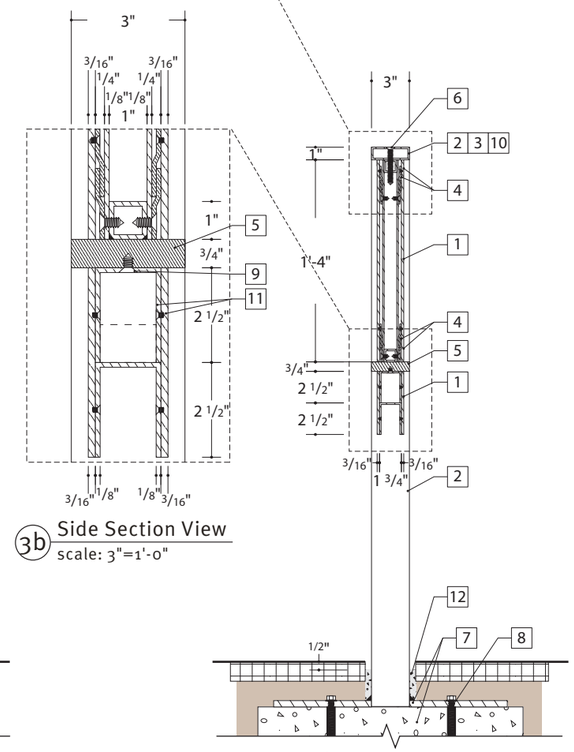
1 BID1 (double-faced) – Plan View
scale: 1"=1'-0"



3a Side Section View
scale: 3"=1'-0"

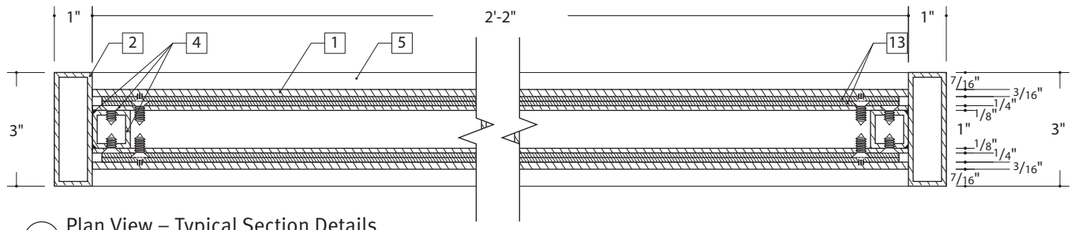


2 Aluminum Frame Details – Front Elevation
scale: 1"=1'-0"



3b Side Section View
scale: 3"=1'-0"

3 Side Section View
scale: 1"=1'-0"



4 Plan View – Typical Section Details
scale: 3"=1'-0"

1. Removable 3/16" painted aluminum sign face, with digitally printed graphics and cut reflective vinyl applied to the surface
2. 3" x 1" aluminum tube
3. Removable 3" x 1" aluminum tube (top) fastened to 1" x 1" aluminum tube frame with countersunk fasteners painted to match adajcent surface
4. 1" x 1" aluminum tube frame welded together and fillet weld to vertical 3" x 1" aluminum tube; 1/8" thick aluminum sheet backer mounted to frame with countersunk fasteners; grind down all welds to be smooth and seamless
5. 3" wide by 3/4" thick aluminum bar (painted orange) fillet welded to vertical aluminum tube
6. Drill and tap aluminum structure for countersunk mechanical fasteners, fasteners to be set 1/16" below surface of aluminum, paint fasteners to match adjacent surface
7. Poured concrete foundation with appropriate match plate details, sign fabricator to provide engineered foundation details sealed by a certified engineer, verify existing conditions in field and inform designer and client of any issues that will affect design intent
8. Match plate connection to be below grade and hidden from view
9. 2 1/2" x 1 3/4" aluminum U-channel mounted to 3" x 1" aluminum tube with countersunk tamper-proof fasteners
10. Fillet weld 1/4" thick aluminum cap onto the end of of aluminum tube, grind down all welds to be smooth and seamless
11. Removable bottom panel is fastened to aluminum U-channel with countersunk tamper-proof fasteners
12. Provide 1/2" wide expansion joint (gray) between adjacent hardscape surface and sign structure; no expansion joint necessary at soil/grass locations
13. Provide aluminum z-clip attachment details for removable panel, z-clips to span the width of sign with 1/4" set back from edges

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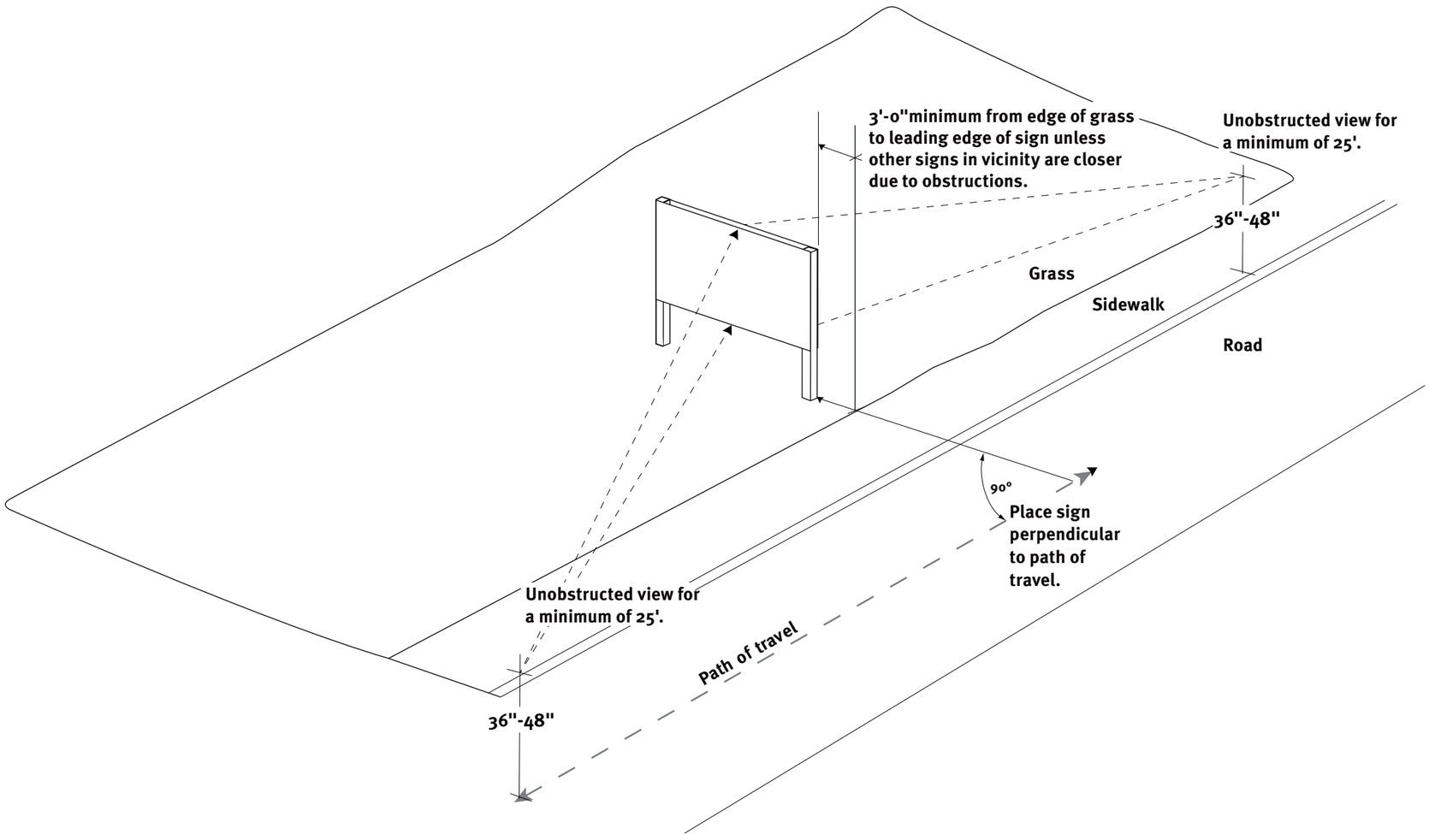
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		Multiple		5.8

BID 2 - Building Identification, Small – Sign Placement



How / When to Use:

1. This sign location diagram is intended as a general guideline only. All related specifications and site conditions should be reviewed and verified with the client prior to installation.

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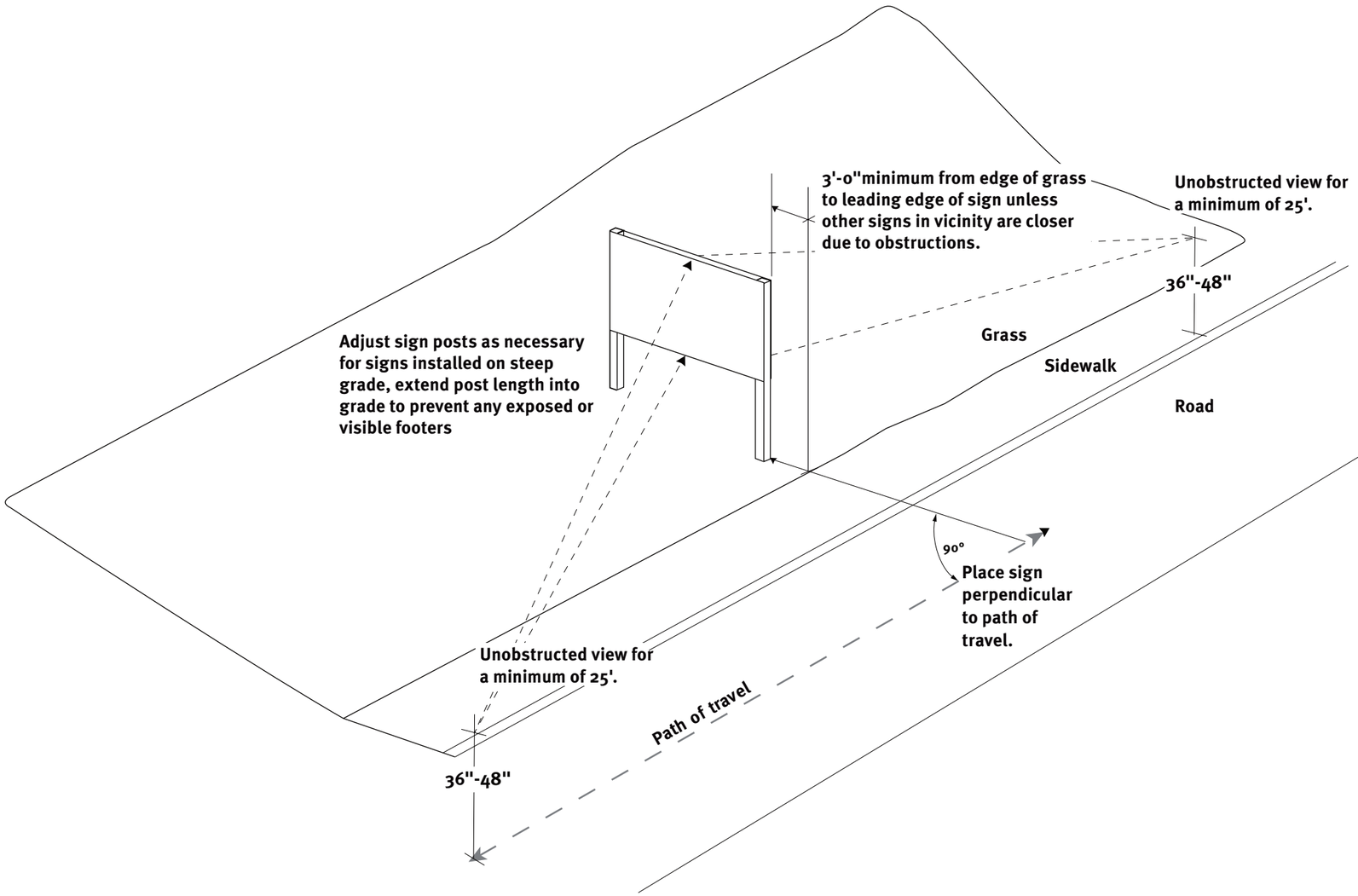
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		N/A		5.9

BID 2 - Building Identification, Small – Sign Placement, Steep Grade Conditions



How / When to Use:

1. This sign location diagram is intended as a general guideline only. All related specifications and site conditions should be reviewed and verified with the client prior to installation.

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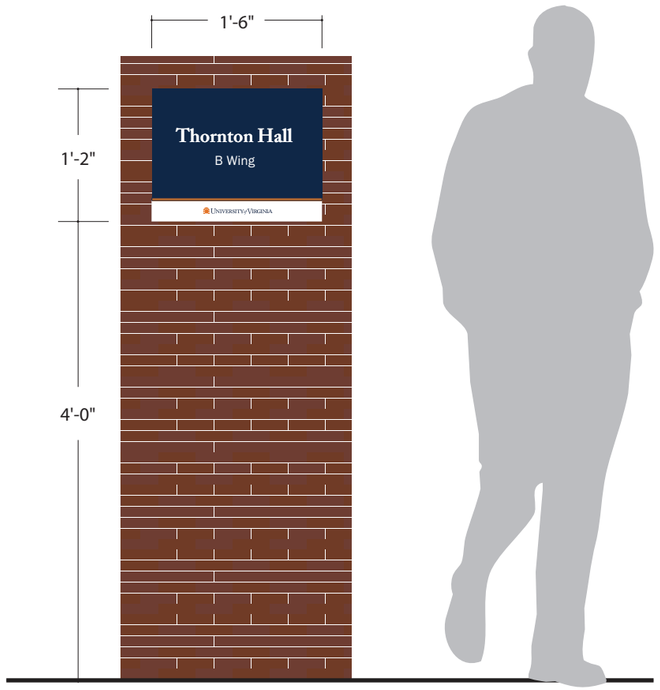
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		N/A		5.10

BID 4 - Building Identification, Mounted – Elevation



1 Elevation
scale: 3/4" = 1'-0"

2 Side View
scale: 3" = 1'-0"

3 Measurements
scale: 3" = 1'-0"

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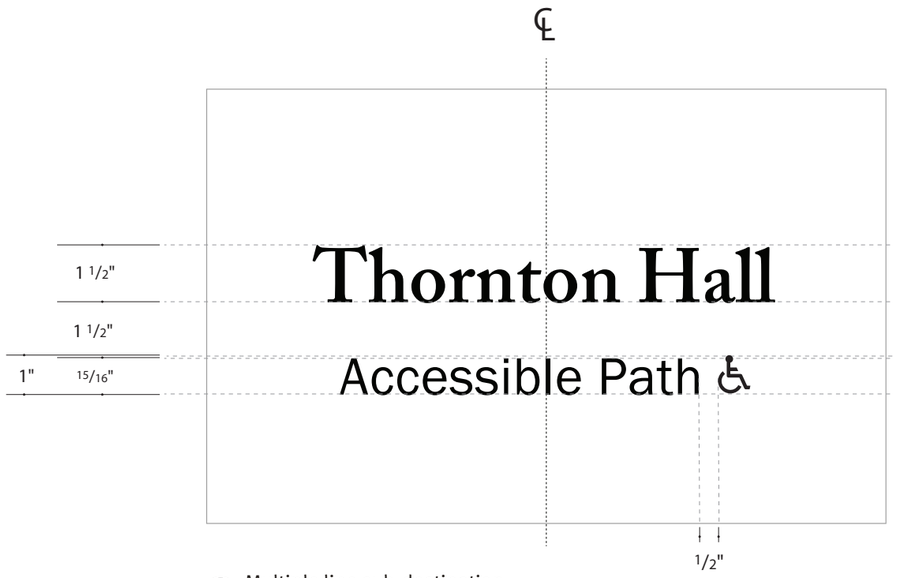
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		Multiple		5.11

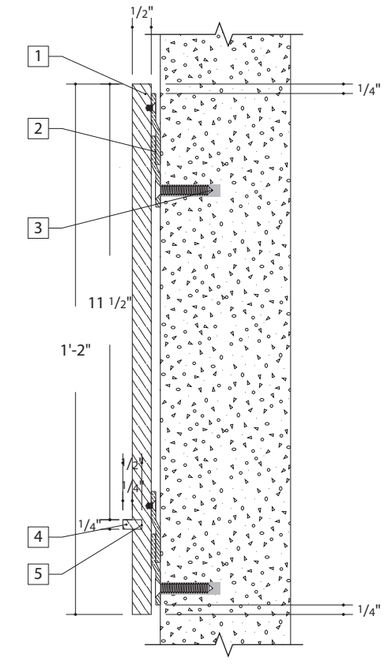
BID 4 - Building Identification, Mounted – Layouts



1 Multiple line sub-destination
scale: 3" = 1'-0"

2 Multi-line ID
scale: 3" = 1'-0"

1. Removable 1/2" thick painted aluminum panel with digitally printed graphics
2. Provide lockable aluminum z-clip attachment details for removable panel, z-clips to span the width of sign with 1/4" set back from edges
3. Pre-drill hole and insert countersunk threaded fastener with clear siliconde adhesive, remove any excess adhesive to be clean and seamless
4. Router-cut slot for aluminum bar
5. Insert 1/4" thick aluminum bar into router-cut slot and attach secure to aluminum panel with Lords adhesive or equivalent, remove any excess adhesive to be smooth and seamless



1 Wall-mounted Detail – Side Section
scale: 3"=1'-0"

3 Multi-line sub-destinations
scale: 3" = 1'-0"

4 Multiple sub-destinations
scale: 3" = 1'-0"

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- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		3" = 1'		5.12

VNL 1, VNL 2, DIM 1 - Entrance ID Treatments – Elevation

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

VNL 1
Vinyl Messaging on Entryway Glass
Small pane application

VNL 1
Vinyl Messaging on Entryway Glass
Window door application

VNL2
Vinyl Address Numbers on Glass

DIM 1
Exterior, 4" Dimensional Address Numbers

How / When to Use:

1. 4" Vinyl letters are to be used on glass facades.
2. 4" Dimensional address numbers are to be used when building identification signage with full address is unable to satisfy code.
3. 4" Dimensional address numbers should be visible from street to assist emergency personnel.
4. UVA school brand lockup should be used where possible.
5. Subsequent wayfinding information (specifically for accessible entrances as needed) may be achieved in vinyl on a separate glass panel.
6. Where possible (eg. not heavily tinted glass), reverse cut and apply to interior of glass for better longevity. Avoid use of harsh cleaning agents that may degrade the vinyl over time.

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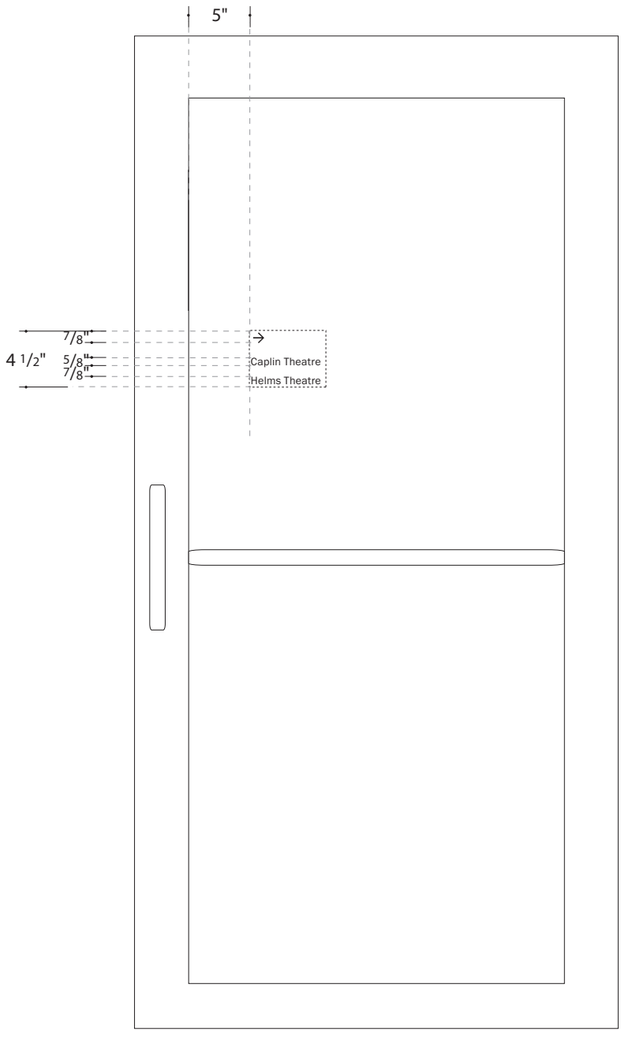
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

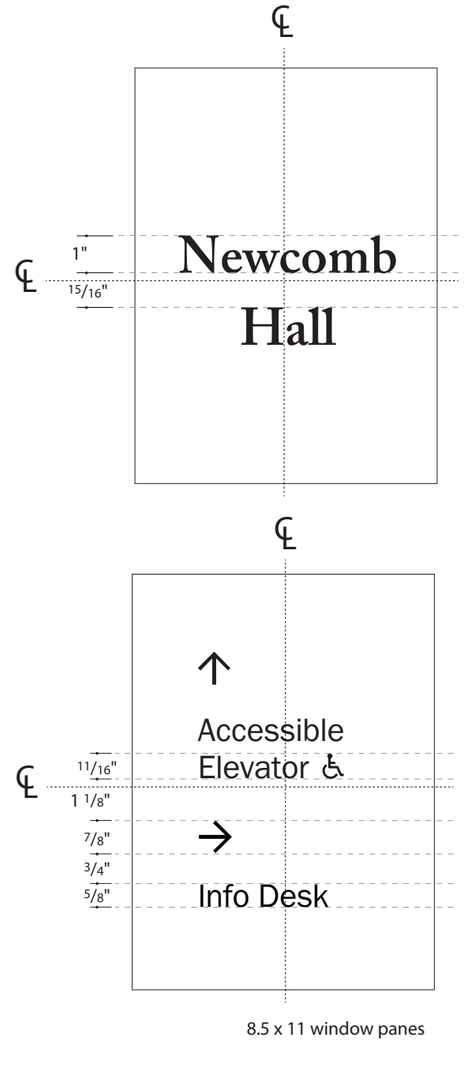
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		3/4" = 1'		5.13

VNL 1, VNL 2 - Door Window Treatments – Layout

1 VNL1 – Door Application, Left
scale: 1"=1'-0"



2 VNL1 – Door Application, Right
scale: 1"=1'-0"



3 VNL1 – Small Pane Applications
scale: 3"=1'-0"

4 VNL2 – Address Numbers on Glass
scale: 1"=1'-0"

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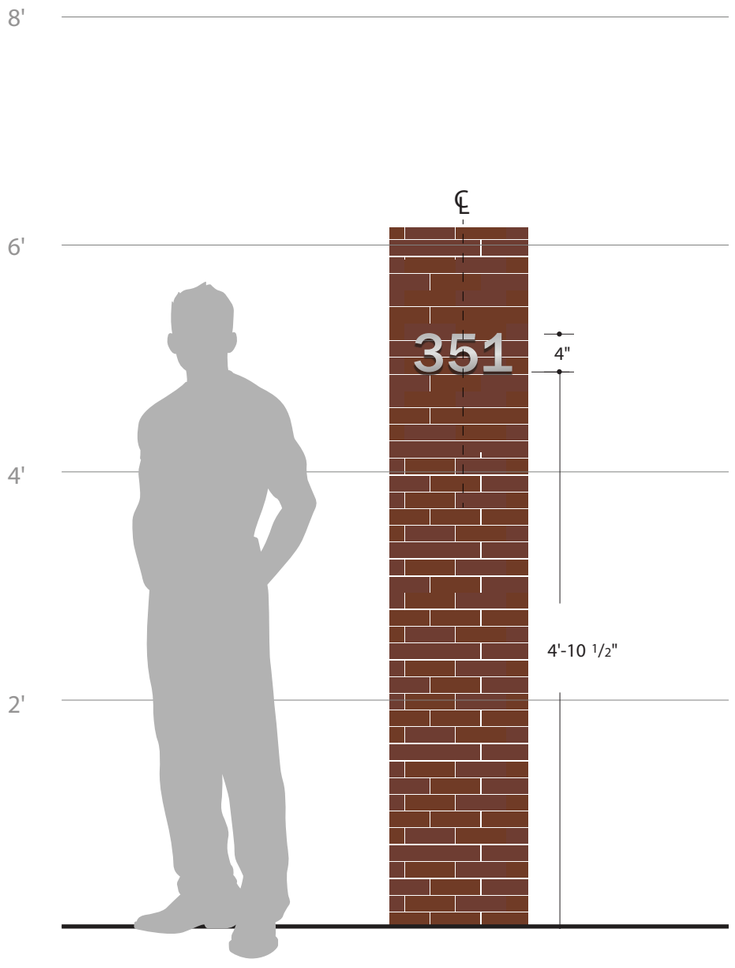
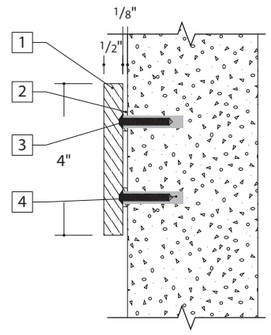
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		Multiple		5.14

DIM 1 - Dimensional Address Number



1 DIM1 – Dimensional Address Numbers
scale: 3/4"=1'-0"



2 Dimensional Letters – Side Section
scale: 3"=1'-0"

1. 1/2" thick flat cut aluminum with horizontallt brushed finish (short grain #4) with specified super satin clear coat
2. Provide 1/8" thick aluminum or neoprene space
3. Threaded studs fillet welded to the back of wall-mounted panel
4. Pre-drill hole and insert threaded studs with clear siliconde adhesive and remove any excess adhesive to be clean and seamless

How / When to Use:

1. 4" Dimensional address numbers should be used when building identification signage with full address is unable to satisfy code.
2. This sign type should be visible from street to assist emergency personnel.

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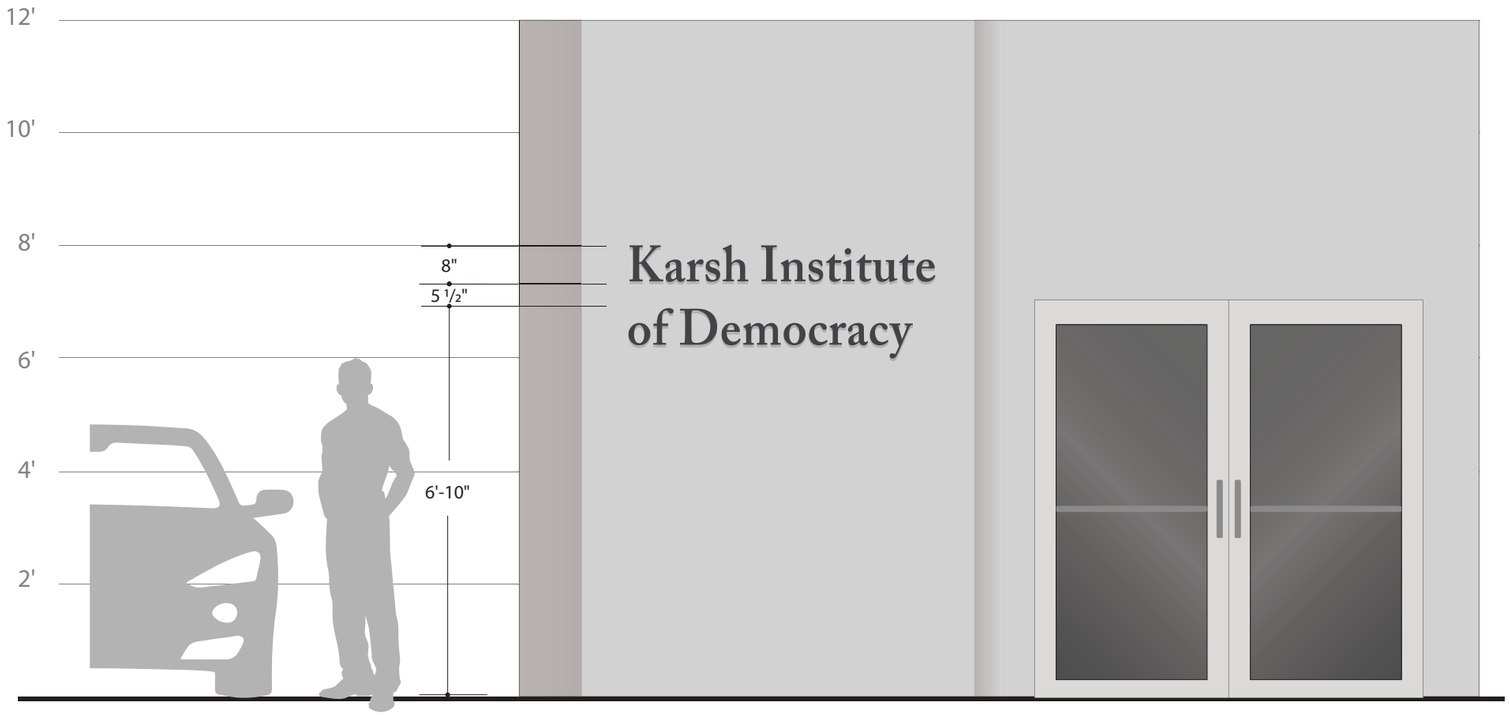
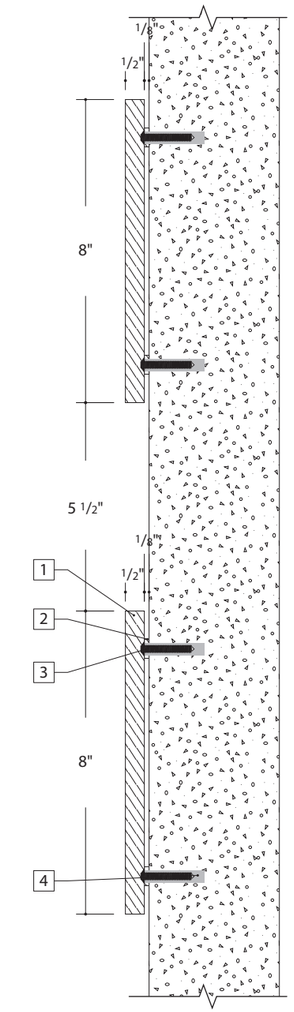
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		Multiple		5.15

BID 5 - Dimensional Lettering – Elevation & Detail



BID 5
Dimensional Lettering
Wall-mounted



1 Dimensional Letters – Side Section
scale: 3"=1'-0"

How / When to Use:

1. Use of this sign type must be approved by the Office of the Architect.

1. 1/2" thick flat cut aluminum with horizontallt brushed finish (short grain #4) with specified super satin clear coat
2. Provide 1/8" thick aluminum or neoprene space
3. Threaded studs fillet welded to the back of wall-mounted panel
4. Pre-drill hole and insert threaded studs with clear siliconde adhesive and remove any excess adhesive to be clean and seamless

This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:
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- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

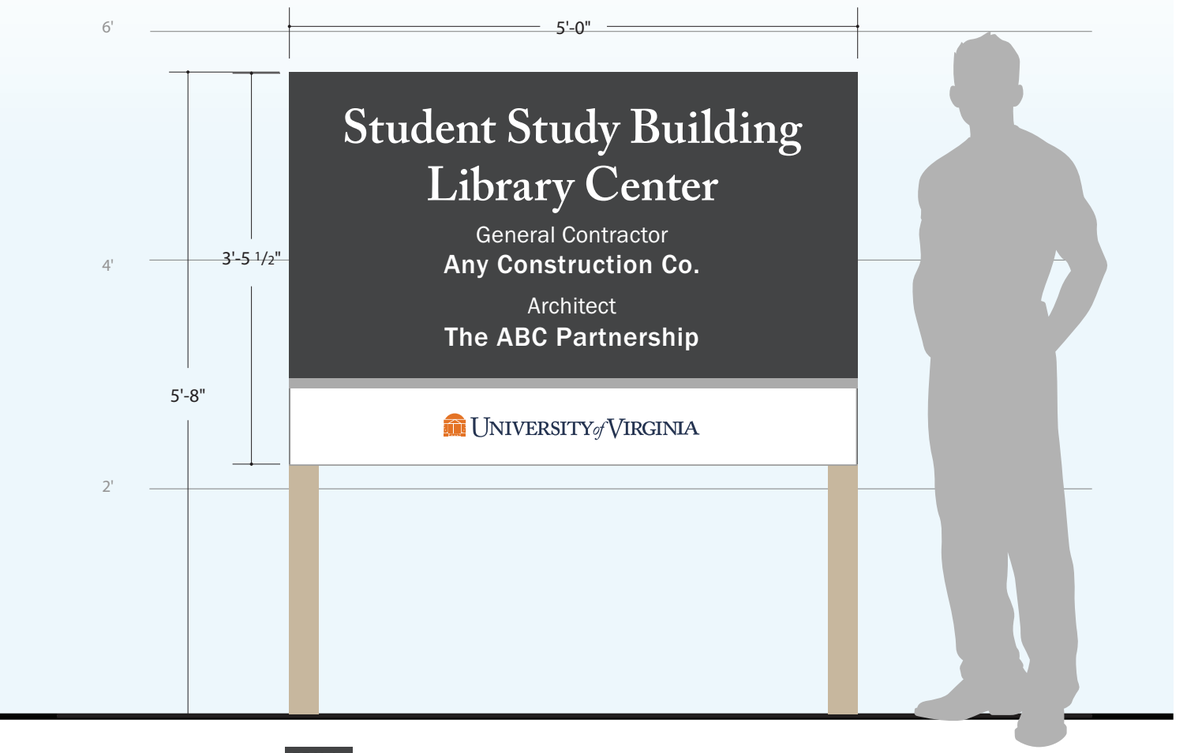
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		Multiple		5.16

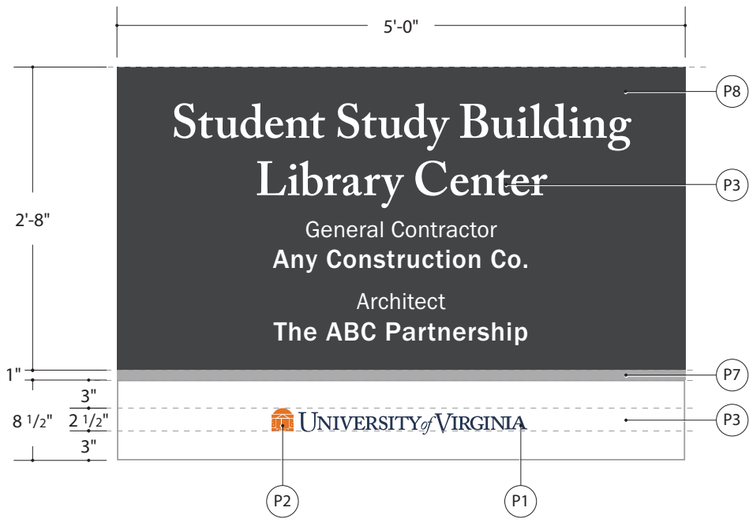
Section **6 Construction Site Identification**

CON 1A - Construction Site Identification – Elevation

How / When to Use:

1. Sites undergoing construction should receive this simplified building identification sign.
2. This version should be used where there is not yet an address selected for this site.





1 Dimensions and Callouts
scale: 3/4" = 1'-0"

CON 1
Construction Building ID

This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:
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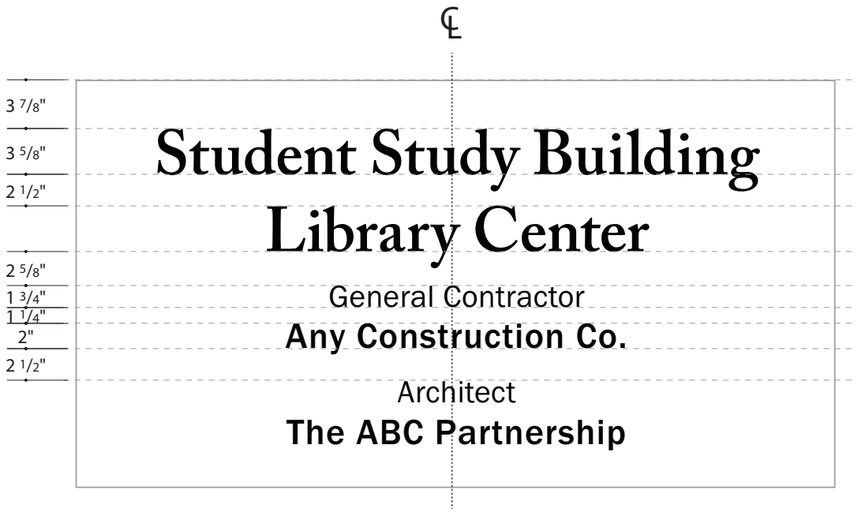
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		3/4" = 1'		6.1



1 Layout – Two-Line Title
scale: 1" = 1'-0"

2 Layout – One-Line Title
scale: 1" = 1'-0"

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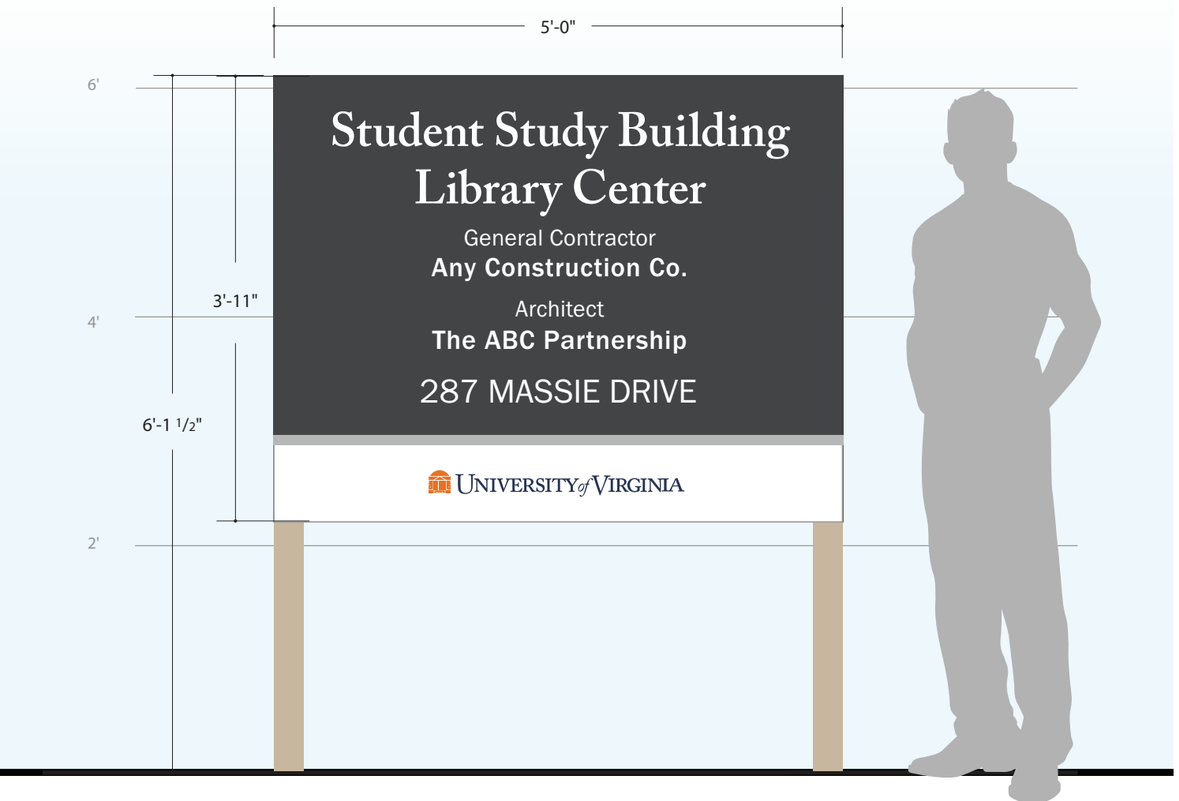
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		1" = 1'		6.2

CON 1B - Construction Site Identification with 2 inch address – Elevation

How / When to Use:

1. Sites undergoing construction should receive this simplified building identification sign.
2. This version should be used where there is an address selected for this site.
3. Full 2.5" reflective address per Fire Marshall.



CON 1B
Construction Building ID with 2 inch address

1 Dimensions and Callouts
scale: 3/4" = 1'-0"

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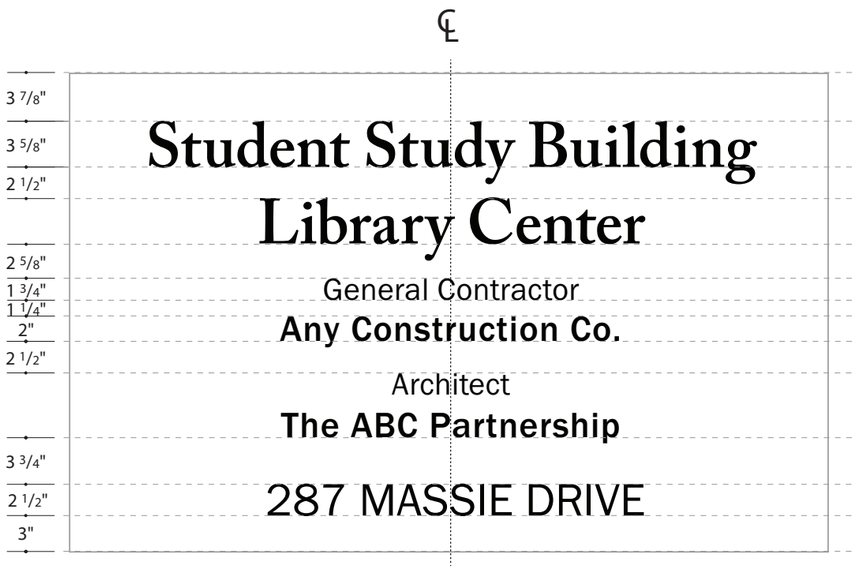
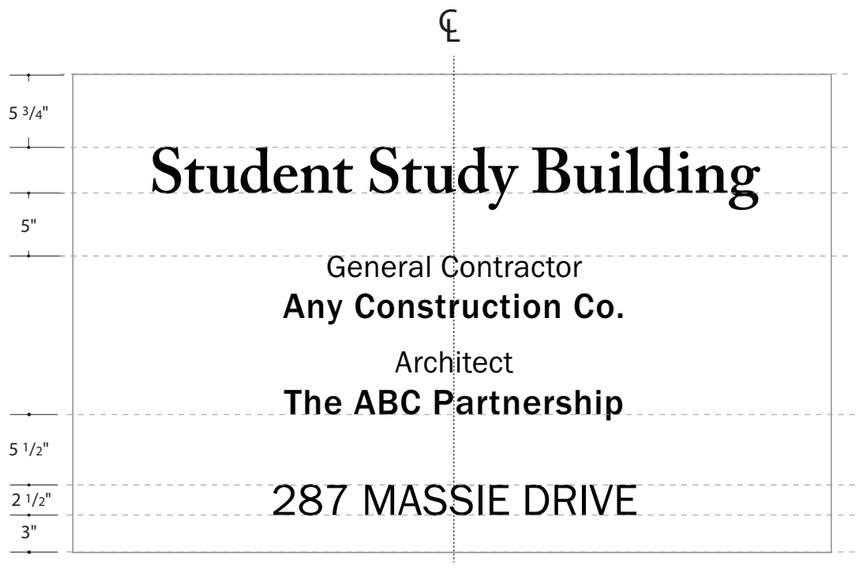
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		3/4" = 1'		6.3



1 Layout – Two-Line Title with Address
scale: 1" = 1'-0"



2 Layout – One-Line Title with Address
scale: 1" = 1'-0"

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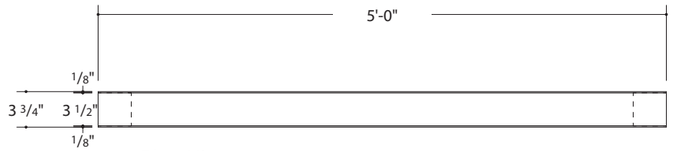
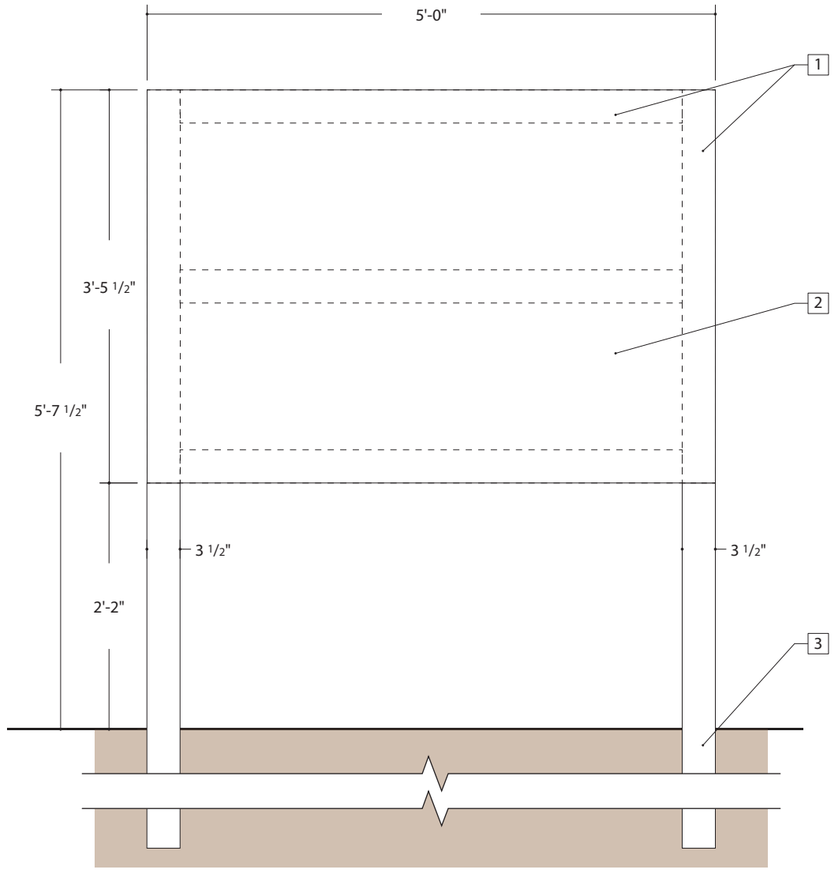
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		1" = 1'		6.4

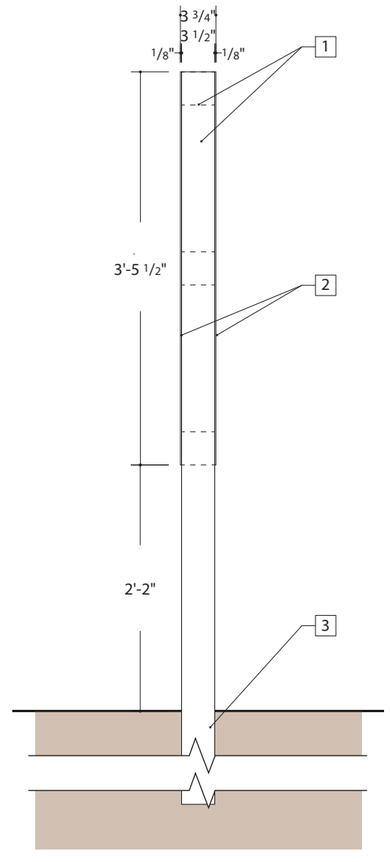
CON 1A & 1B - Building Identification – Construction Details



1 Plan View
scale: 3/4"=1'-0"



2 Wood Frame Details – Front Elevation
scale: 3/4"=1'-0"



3 Wood Frame Details – Side View
scale: 3/4"=1'-0"

1. Temporary 4" x 4" cedar lumber post or pressure treated wood frame fastened together with wood screws
2. 1/8" thick aluminum panel with printed graphics
3. Lumber posts to be direct buried into landscaping, verify all existing condtions prior to shop drawings and inform designer of any issues that wil affect design intent

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Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		1" = 1'		6.5

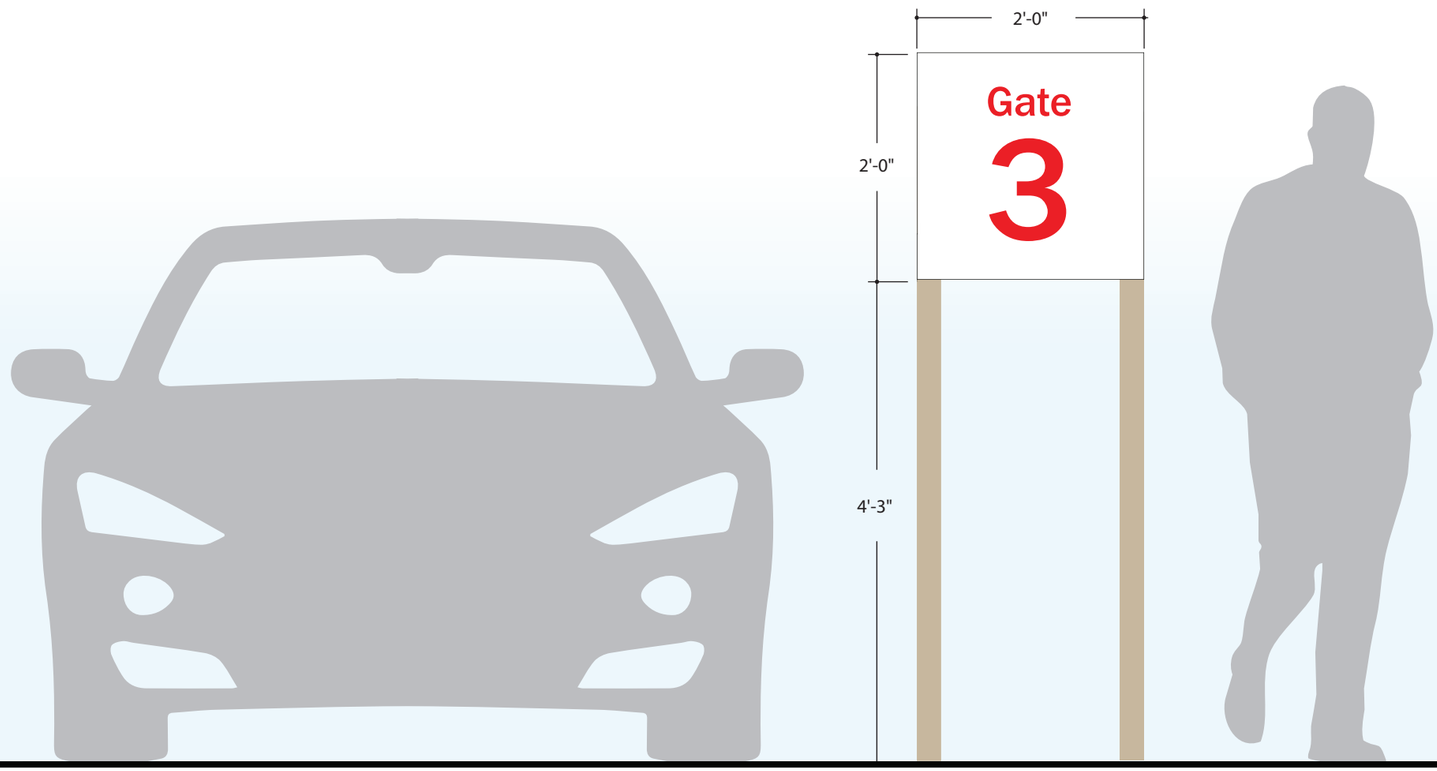
CON 2 - Construction Gate Identification – Elevation

University of Virginia

6. Construction Use

How / When to Use:

1. Sites undergoing construction should with multiple entrances should receive this gate identification sign.



CON 2
Construction Gate ID

1 Elevation
scale: 3/4" = 1'-0"

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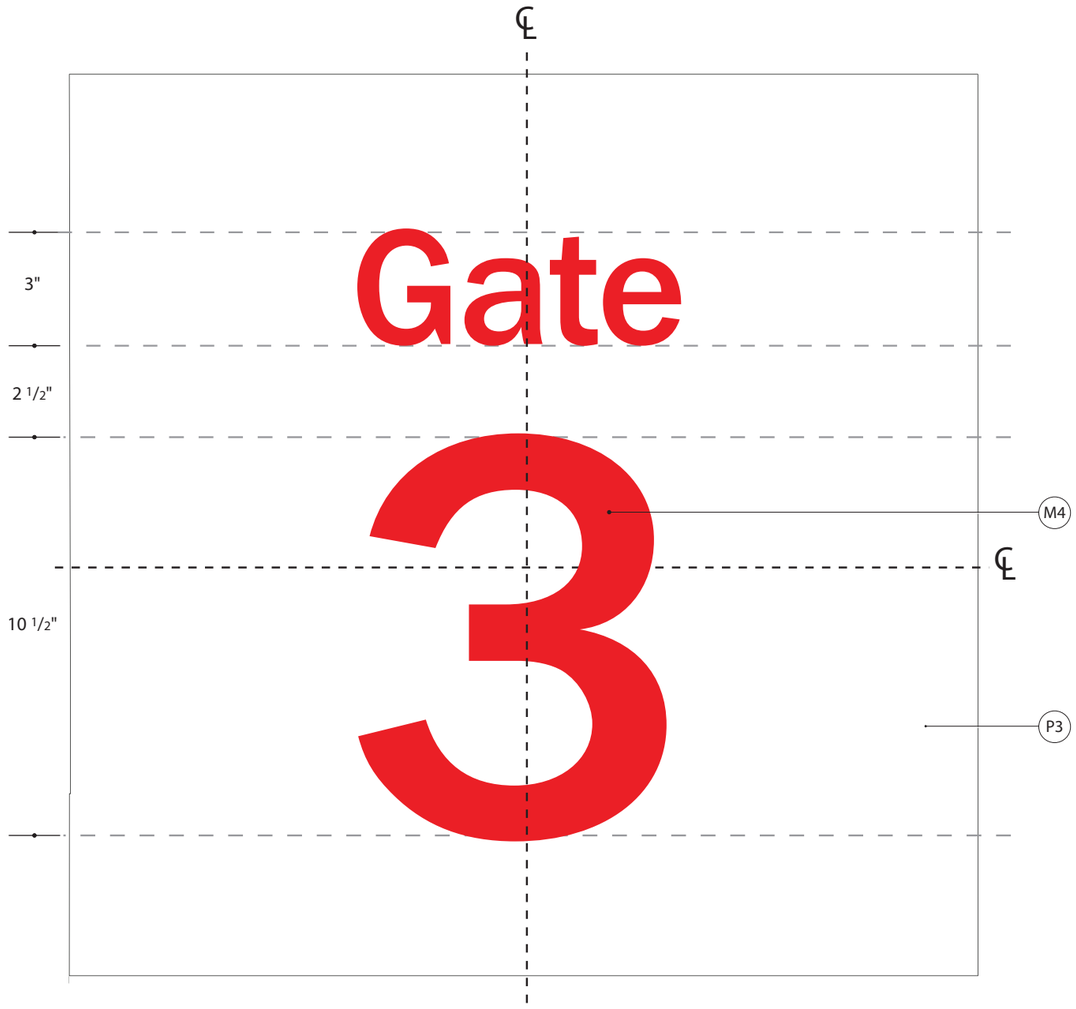
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		Multiple		6.6

CON 2 - Construction Gate Identification – Layout



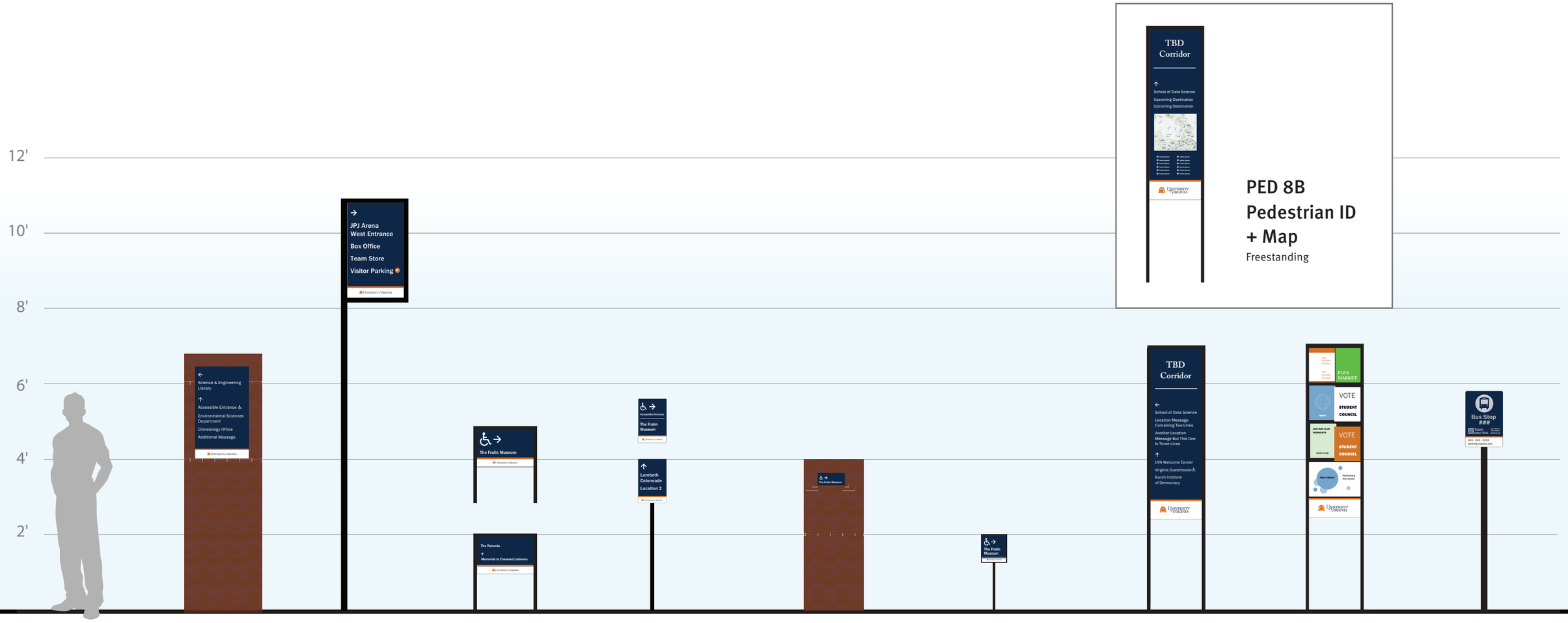
1 Layout
scale: 3" = 1'-0"

How / When to Use:

1. Sites undergoing construction should with multiple entrances should receive this gate identification sign.

Section **7 Pedestrian Signage**

Pedestrian Signage – Overview



PED 2
Pedestrian Directional
Wall-mounted

PED 3
High Pedestrian Directional
Freestanding

PED 4
Low Pedestrian Directional
Freestanding

PED 5
Single-Message Pedestrian Directional
Post-mounted

PED 6
Single-Message Pedestrian Directional
Wall-mounted

PED 7
Garden Scale Pedestrian Directional
Post-mounted

PED 8A
Pedestrian ID + Directional
Freestanding

PED 9
Flyer Posting
Freestanding

VEH 14
Bus Stop ID
Post-mounted

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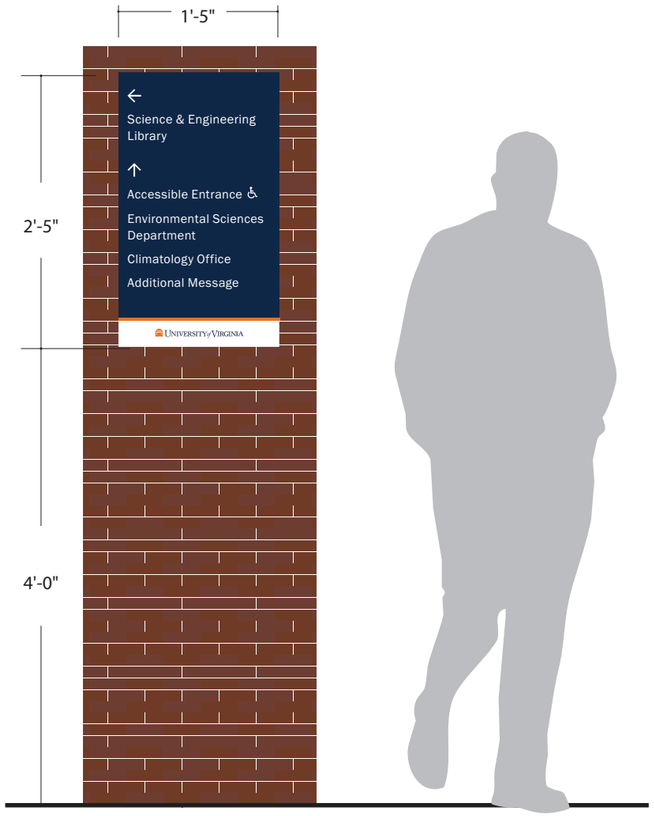
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		3/8" = 1'		7.1

PED 2 - Mounted Directional – Elevation

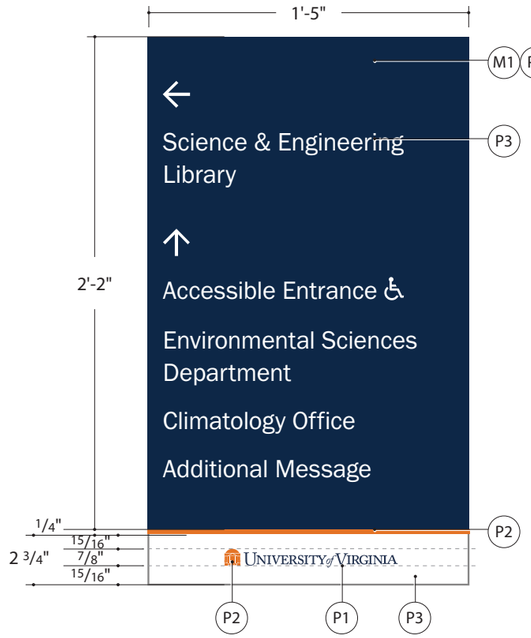
How / When to Use:

1. At decision points where there is a wall surface available for pedestrian directional messaging/confirmation.



1 Elevation
scale: 3/8" = 1'-0"

2 Side View
scale: 1 1/2" = 1'-0"



3 Panel
scale: 1 1/2" = 1'-0"

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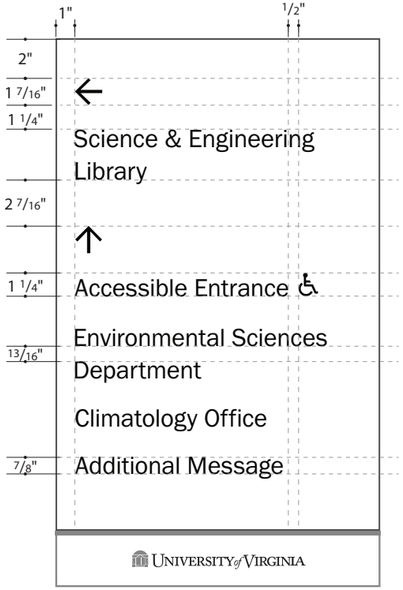
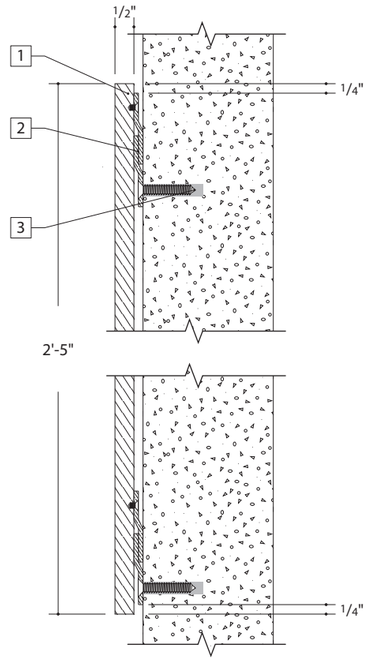
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		Multiple		7.2

PED 2 - Mounted Directional – Layout & Detail



4 Layout
scale: 1 1/2" = 1'-0"



5 Wall-mounted Detail – Side Section
scale: 3"=1'-0"

1 Removable 1/2" thick painted aluminum panel with digitally printed graphics

2 Provide lockable aluminum z-clip attachment details for removable panel, z-clips to span the width of sign with 1/4" set back from edges

3 Pre-drill hole and insert countersunk threaded fastener with clear siliconde adhesive, remove any excess adhesive to be clean and seamless

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- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
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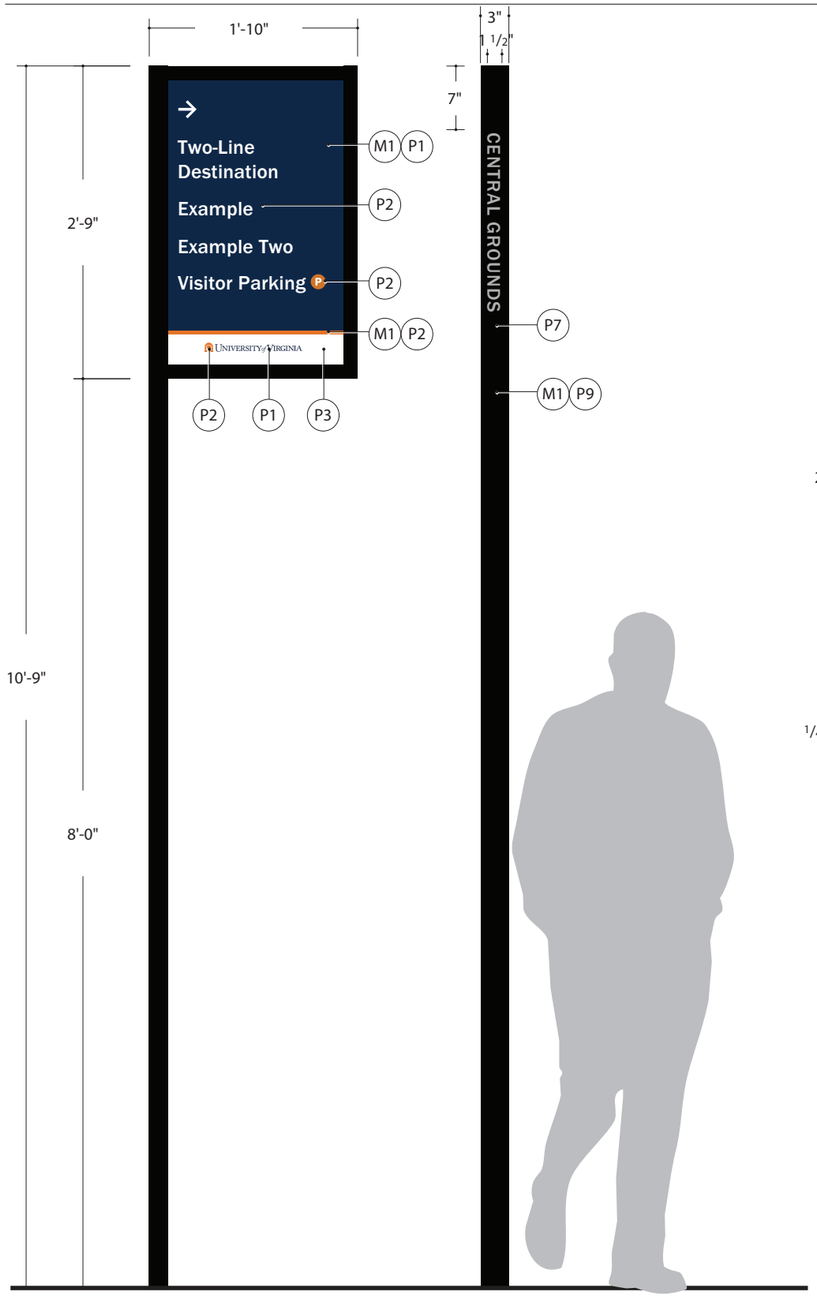
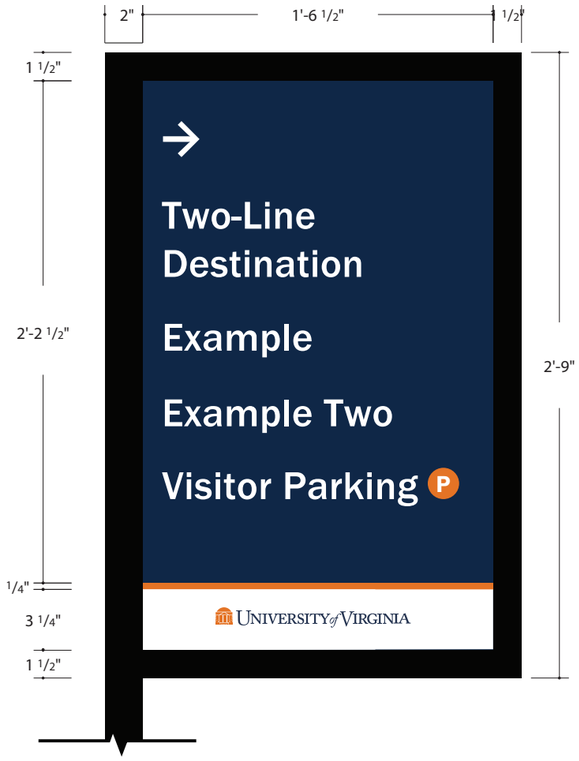
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		Multiple		7.3

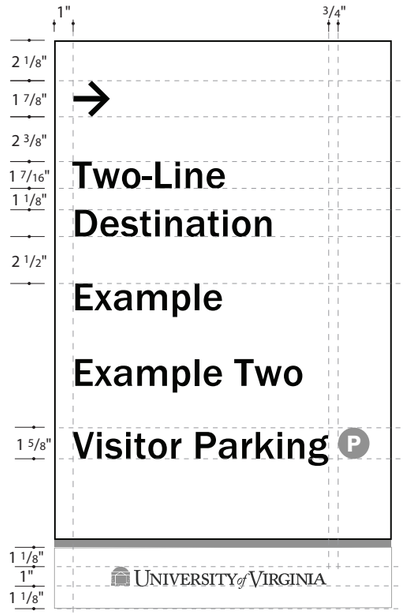
PED 3 - Pedestrian Directional, High – Elevation & Layout



1 Elevation
scale: 3/4" = 1'-0"



2 Elevation – Panel and frame
scale: 1 1/2" = 1'-0"



3 Layout
scale: 1 1/2" = 1'-0"

How / When to Use:

1. Sign should be located along pedestrian pathways where crowds are likely to form and messages are needed to be displayed high in space (example: JPJ).

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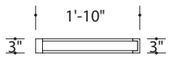
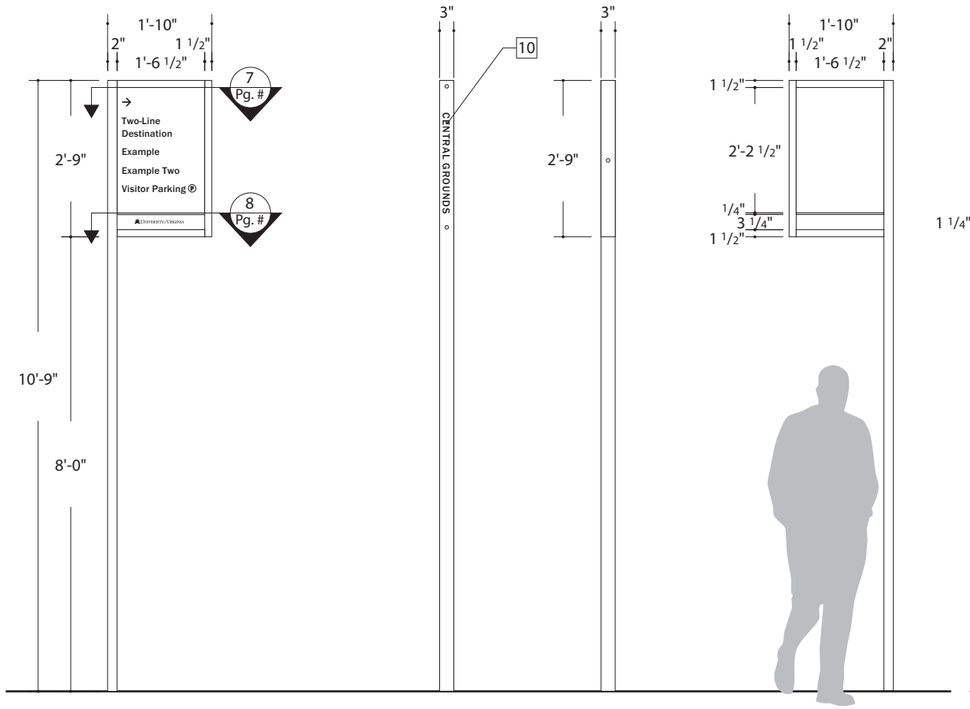
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		Multiple		7.4

PED 3 - Pedestrian Directional, High – Construction Details



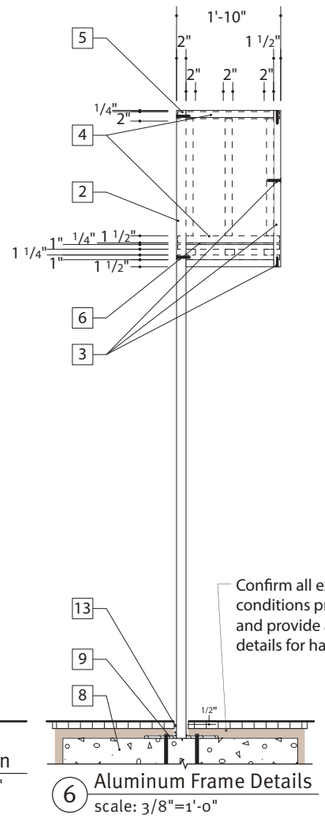
1 Plan View
scale: 3/8"=1'-0"



2 Front Elevation
scale: 3/8"=1'-0"

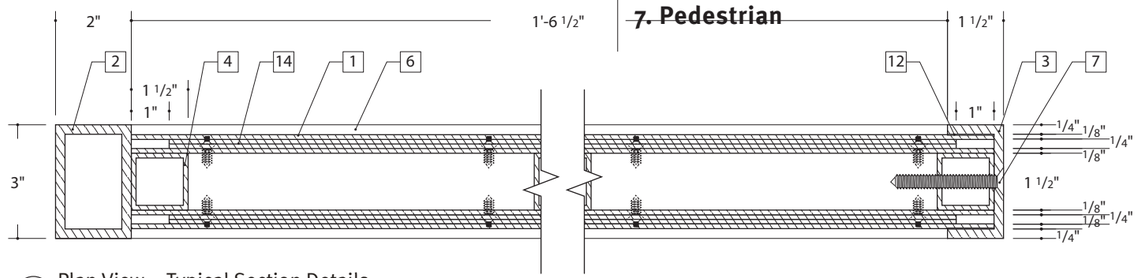
3 Left Side Elevation
scale: 3/8"=1'-0"

4 Right Side Elevation
scale: 3/8"=1'-0"

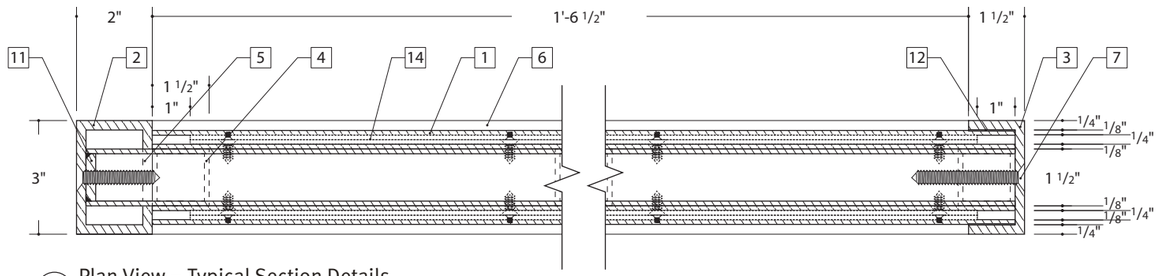


5 Back Elevation
scale: 3/8"=1'-0"

6 Aluminum Frame Details
scale: 3/8"=1'-0"



7 Plan View – Typical Section Details
scale: 3"=1'-0"



8 Plan View – Typical Section Details
scale: 3"=1'-0"

1. Removable 1/8" painted aluminum sign face, with digitally printed graphics and cut reflective vinyl applied to the surface
2. 3" x 2" aluminum tube with channels to allow removable message panel to slide out horizontally
3. Removable 1 1/2" x 3" x 1/4" thick aluminum c-channel fastened to 2" x 2" aluminum tube frame with countersunk fasteners painted to match adajcent surface
4. 1 1/2" x 1 1/2" aluminum tube frame; weld tube frame together and fillet weld to vertical aluminum extrusions; grind down all welds to be smooth and seamless
5. Router-cut holes in vertical aluminum extrusion and insert aluminum frame's horizontal tubes, fillet weld horizontal tubes to aluminum extrusion; grind down all welds to be smooth and seamless
6. 3" wide x 1/4" thick horizontal aluminum bar (painted orange), v-groove and fillet welded to 1 1/2" x 1 1/2" aluminum tube frame, grind down all welds to be smooth and seamless
7. Drill and tap aluminum structure for countersunk mechanical fasteners, fasteners to be set 1/16" below surface of aluminum, paint fasteners to match adjacent surface
8. Poured concrete foundation with appropriate match plate details, sign fabricator to provide engineered foundation details sealed by a certified engineer, verify existing conditions in field and inform designer and client of any issues that will affect design intent
9. Match plate connection to be below grade and hidden from view
10. Painted artwork
11. Fillet weld 1/4" thick aluminum cap onto the end of of aluminum tube frame; fasten tube frame to vertical aluminum extrusion with tamper-proof countersunk mechanical fasteners, paint fasteners to match adjacent surface
12. Provide black neoprene pad in channel for removable panels to fit tightly in channel
13. Provide 1/2" wide expansion joint (gray) between adjacent hardscape surface and sign structure; no expansion joint necessary at soil/grass locations
14. Provide aluminum z-clip attachment details for removable panel, z-clips to span the width of sign with 1" set back from edges

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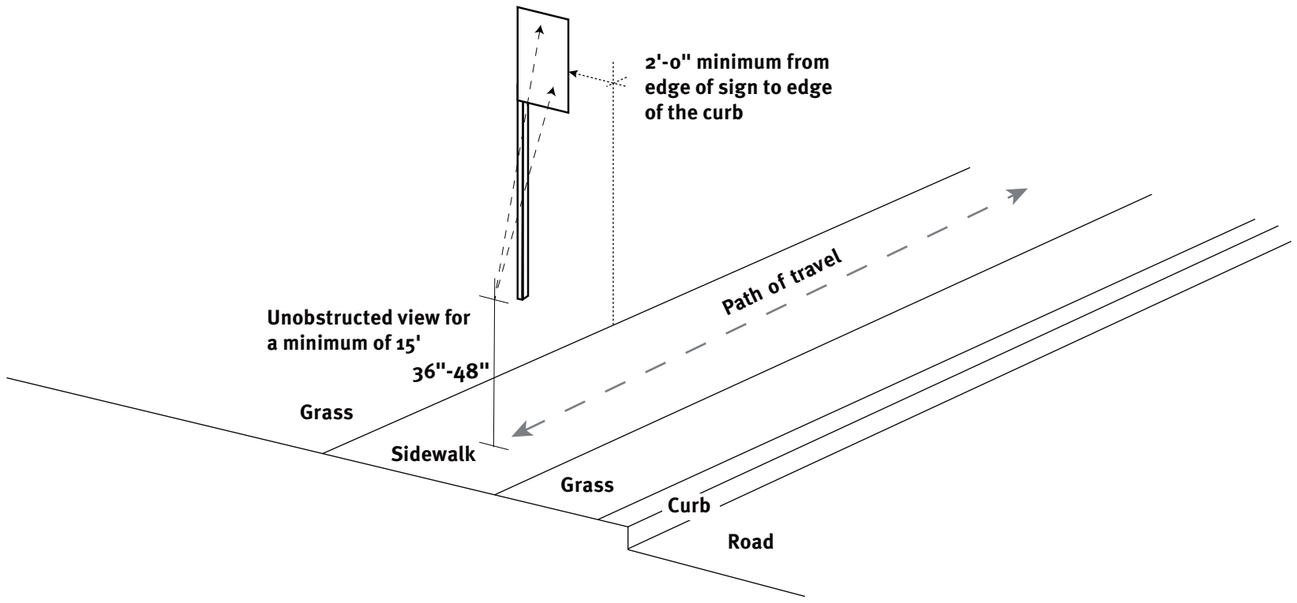
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		Multiple		7.5

PED 3 - Pedestrian Directional, High – Placement



How / When to Use:

1. This sign location diagram is intended as a general guideline only. All related specifications and site conditions should be reviewed and verified with the client prior to installation.

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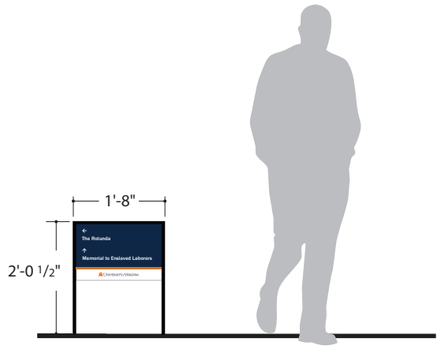
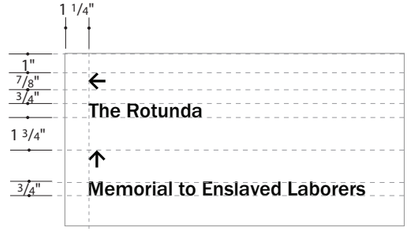
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		Multiple		7.6

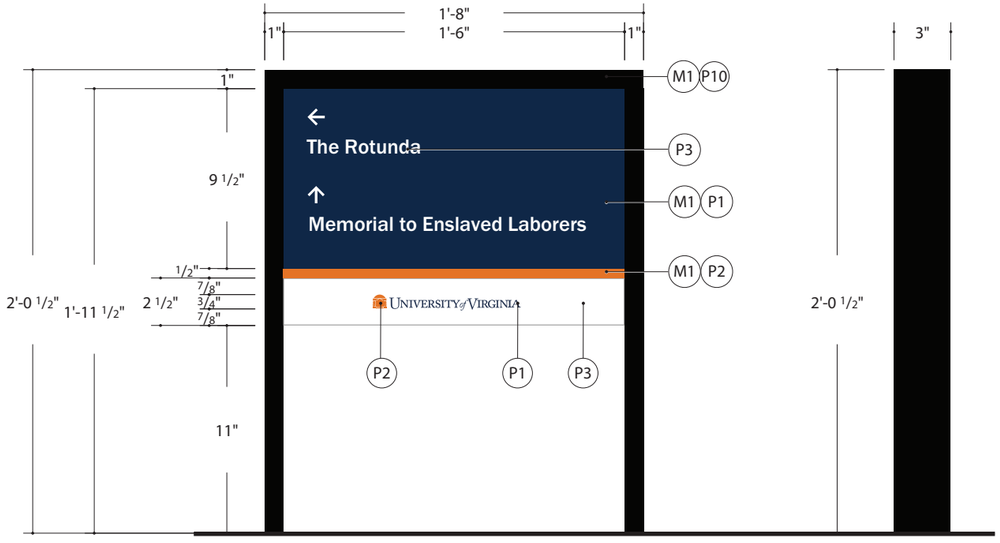
PED 4 - Pedestrian Directional, Low – Elevation & Layout



1 Elevation
scale: 3/8" = 1'-0"



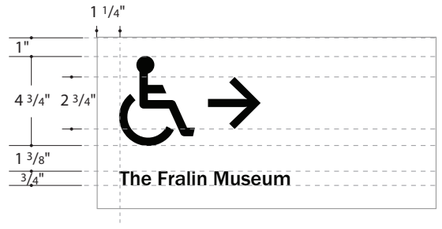
4 Layout – Multiple directions
scale: 1 1/2" = 1'-0"



2 Elevation – Panel and frame
scale: 1 1/2" = 1'-0"

3 Side Elevation
scale: 1 1/2" = 1'-0"

5 Layout – Multi-line and multiple destinations
scale: 1 1/2" = 1'-0"



6 Layout – Accessibility path guide
scale: 1 1/2" = 1'-0"

How / When to Use:

1. Sign should be located along pedestrian pathways where a small profile is desired (example: Academical Village).

This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:
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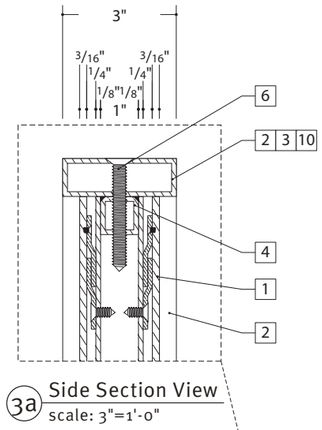
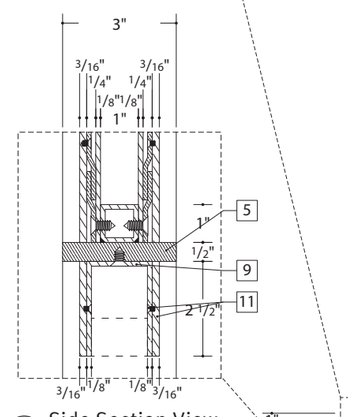
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		Multiple		7.7

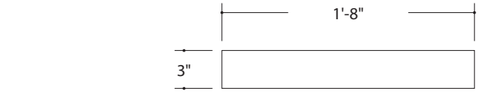
PED 4 - Pedestrian Directional, Low – Construction Details



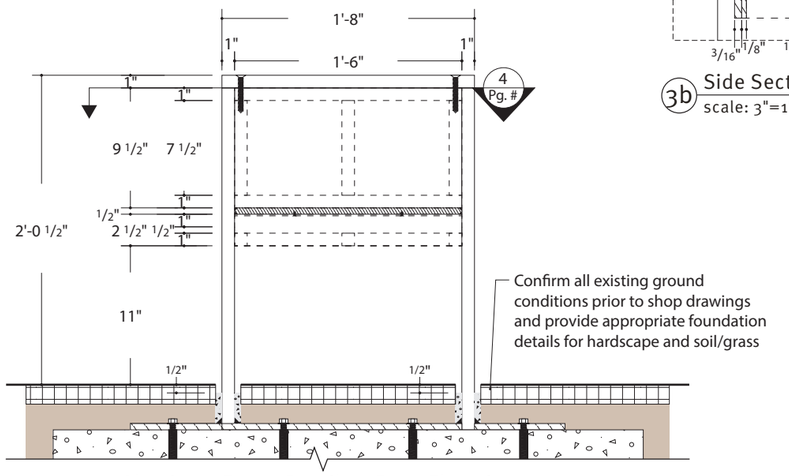
3a Side Section View
scale: 3"=1'-0"



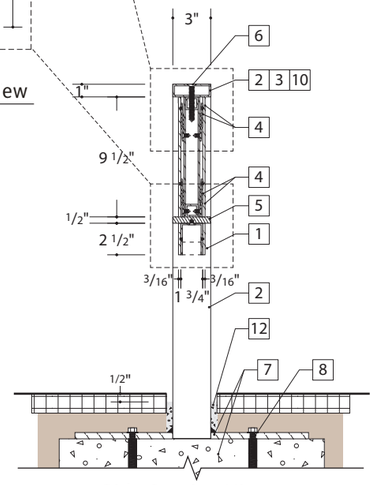
3b Side Section View
scale: 3"=1'-0"



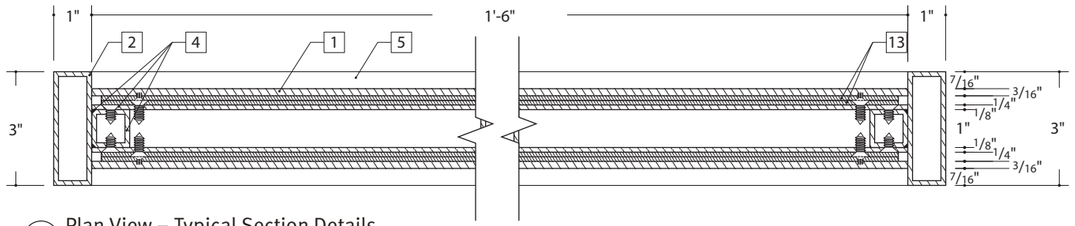
1 Plan View
scale: 1"=1'-0"



2 Aluminum Frame Details – Front Elevation
scale: 1"=1'-0"



3 Side Section View
scale: 1"=1'-0"



4 Plan View – Typical Section Details
scale: 3"=1'-0"

1. Removable 3/16" painted aluminum sign face, with digitally printed graphics and cut reflective vinyl applied to the surface
2. 3" x 1" aluminum tube
3. Removable 3" x 1" aluminum tube (top) fastened to 1" x 1" aluminum tube frame with countersunk fasteners painted to match adajcent surface
4. 1" x 1" aluminum tube frame welded together and fillet weld to vertical 3" x 1" aluminum tube; grind down all welds to be smooth and seamless
5. 3" wide by 1/2" thick aluminum bar (painted orange) fillet welded to vertical aluminum tube
6. Drill and tap aluminum structure for countersunk mechanical fasteners, fasteners to be set 1/16" below surface of aluminum, paint fasteners to match adjacent surface
7. Poured concrete foundation with appropriate match plate details, sign fabricator to provide engineered foundation details sealed by a certified engineer, verify existing conditions in field and inform designer and client of any issues that will affect design intent
8. Match plate connection to be below grade and hidden from view
9. 2 1/2" x 1 3/4" aluminum U-channel mounted to 3" x 1" aluminum tube with countersunk tamper-proof fasteners
10. Fillet weld 1/4" thick aluminum cap onto the end of of aluminum tube, grind down all welds to be smooth and seamless
11. Removable bottom panel is fastened to aluminum U-channel with countersunk tamper-proof fasteners
12. Provide 1/2" wide expansion joint (gray) between adjacent hardscape surface and sign structure; no expansion joint necessary at soil/grass locations
13. Provide aluminum z-clip attachment details for removable panel, z-clips to span the width of sign with 1/4" set back from edges

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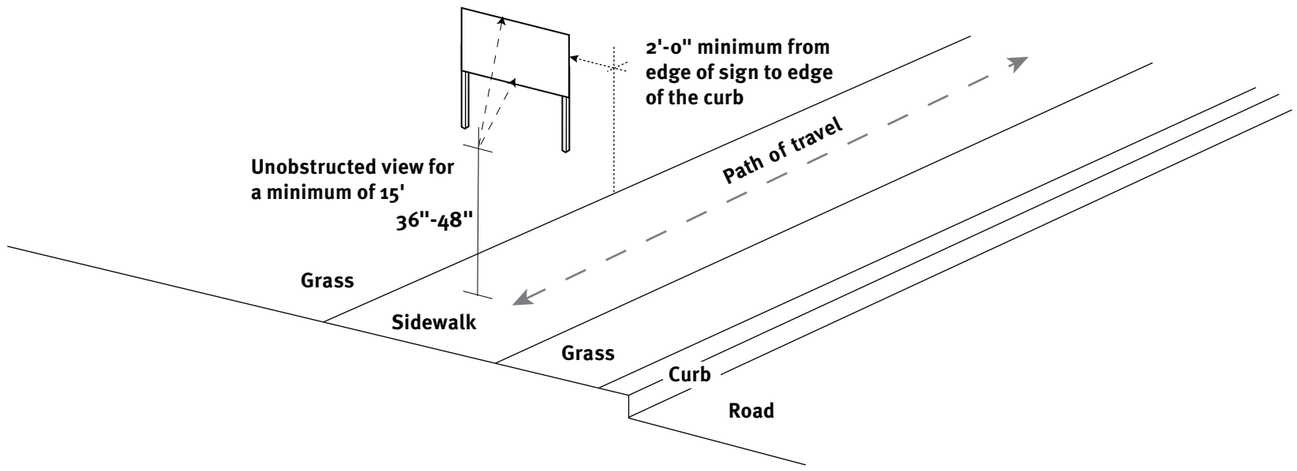
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		Multiple		7.8

PED 4 - Pedestrian Directional, Low – Sign Placement

How / When to Use:

1. This sign location diagram is intended as a general guideline only. All related specifications and site conditions should be reviewed and verified with the client prior to installation.



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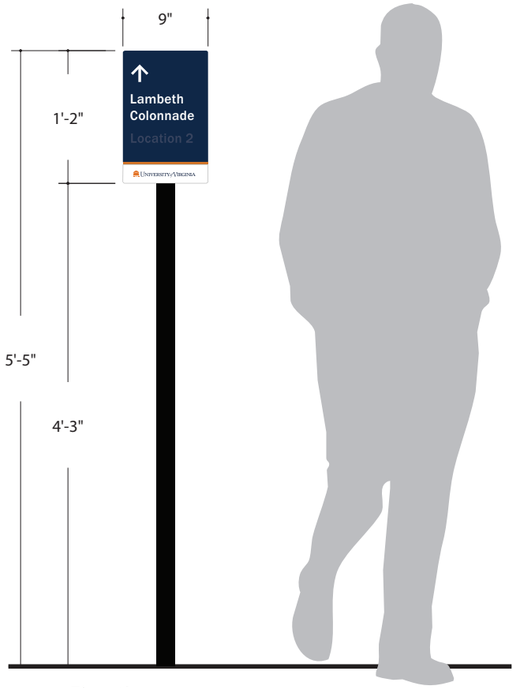
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		Multiple		7.9

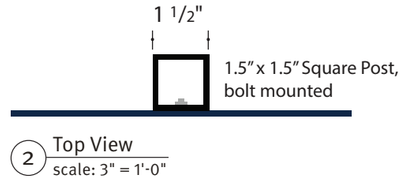
PED 5 - Pedestrian Directional, Post-Mounted – Elevation & Layout

How / When to Use:

1. Sign should be located at pedestrian decision points where a simplified sign is desired and there is no wall surface to mount to. Accessible pathway information is likely to receive this sign type.

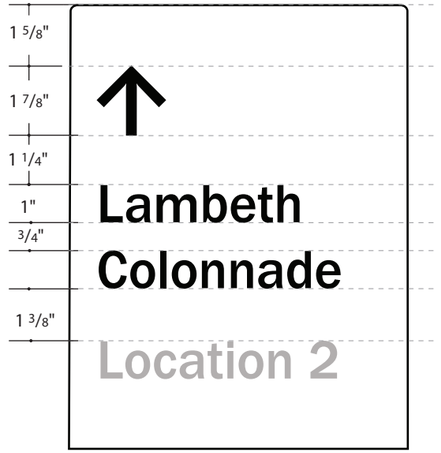


1 Elevation
scale: 3/4" = 1'-0"

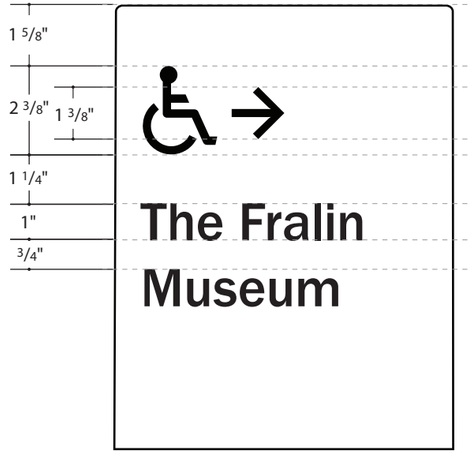


2 Top View
scale: 3" = 1'-0"

3 Top View
scale: 3" = 1'-0"



4 Layout
scale: 3" = 1'-0"



5 Layout – Accessible Path
scale: 3" = 1'-0"

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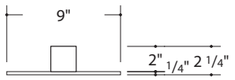
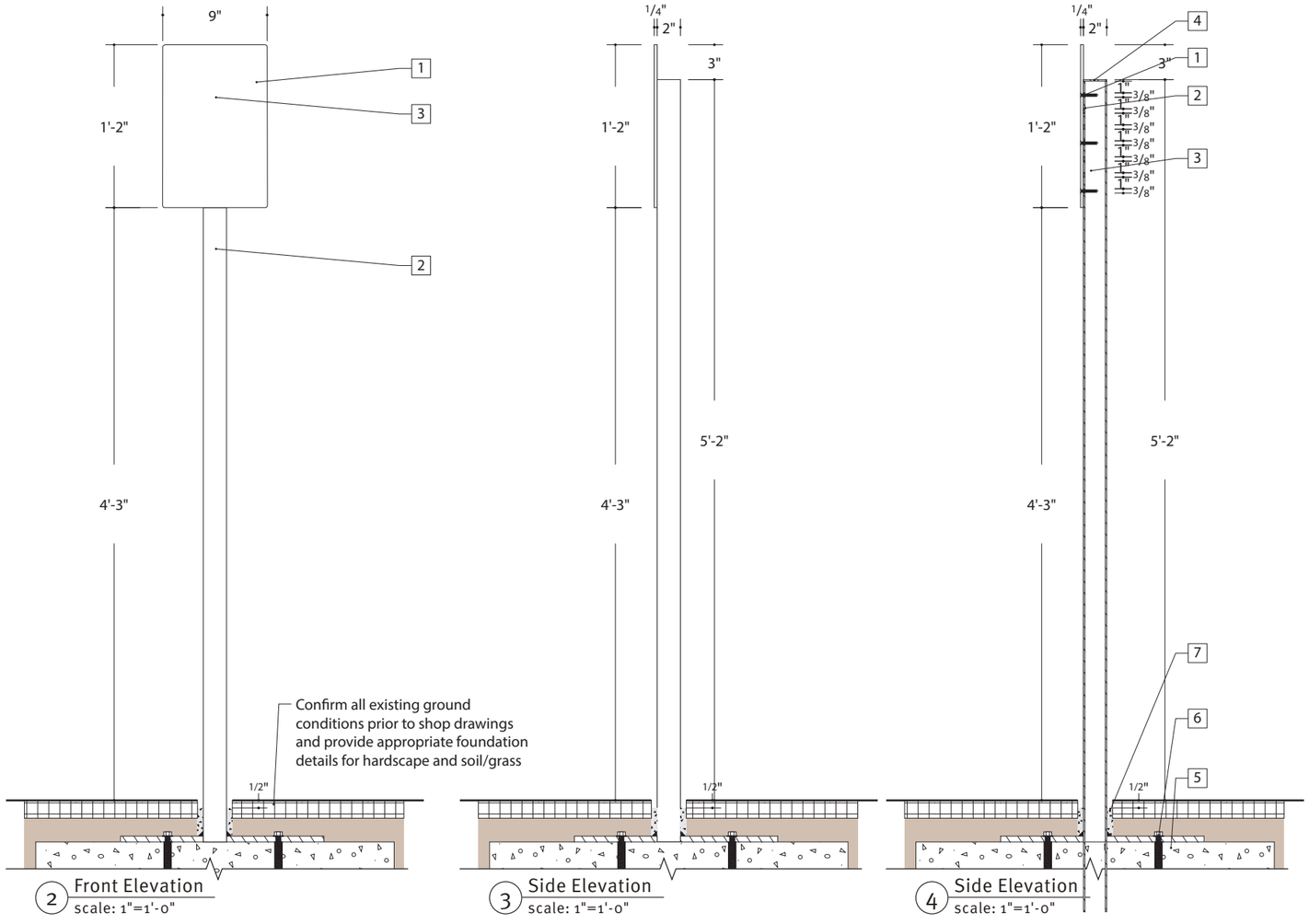
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		Multiple		7.10

PED 5 - Pedestrian Directional, Post-Mounted – Construction Details



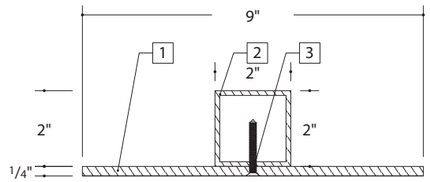
1 Plan View
scale: 1"=1'-0"



2 Front Elevation
scale: 1"=1'-0"

3 Side Elevation
scale: 1"=1'-0"

4 Side Elevation
scale: 1"=1'-0"



5 Plan View – Typical Section Details
scale: 3"=1'-0"

1. Removable 1/4" painted aluminum sign face, with digitally printed graphics
2. 2" x 2" aluminum tube with perforated holes set 1" apart
3. Tamper-proof countersunk fasteners placed in locations that do not obstruct the graphics
4. Provide welded cap at top of aluminum tube, grind down all welds to be smooth and seamless
5. Poured concrete foundation with appropriate match plate details, sign fabricator to provide engineered foundation details sealed by a certified engineer, verify existing conditions in field and inform designer and client of any issues that will affect design intent
6. Match plate connection to be below grade and hidden from view
7. Provide 1/2" wide expansion joint (gray) between adjacent hardscape surface and sign structure; no expansion joint necessary at soil/grass locations
8. 1/4" thick painted aluminum sign face, with digitally printed graphics,
9. Threaded studs fillet welded to the back of wall-mounted panel
10. Pre-drill hole and insert threaded studs with clear siliconde adhesive and remove any excess adhesive to be clean and seamless

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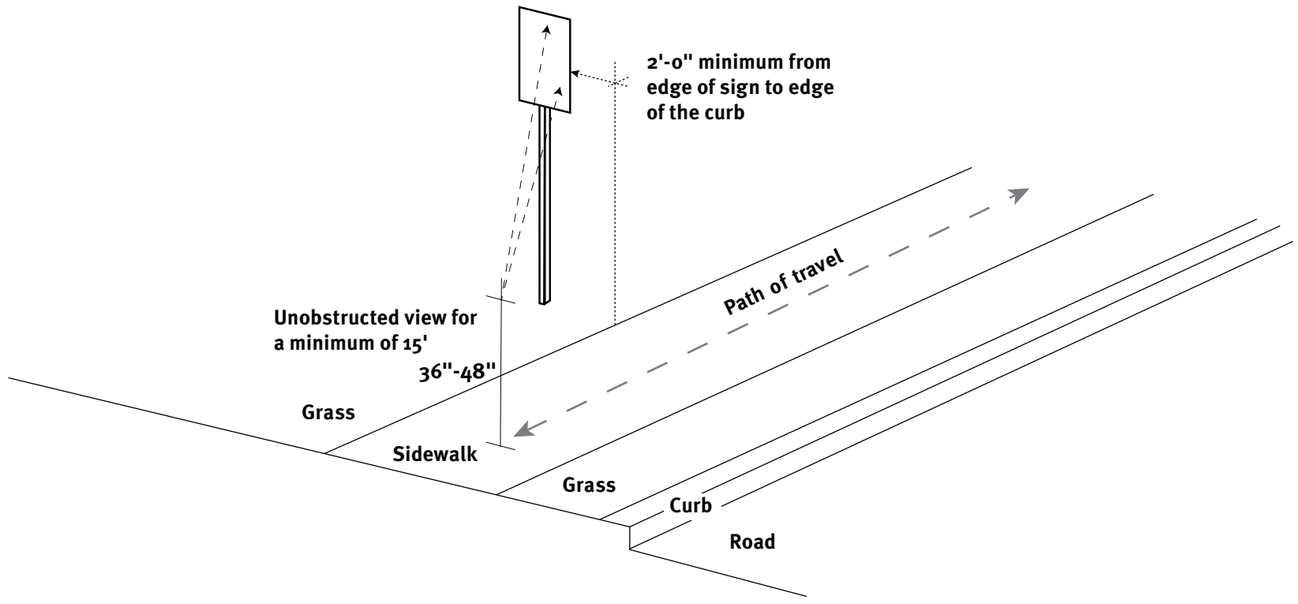
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		Multiple		7.11

PED 5 - Pedestrian Directional, Post-Mounted – Sign Placement



How / When to Use:

1. This sign location diagram is intended as a general guideline only. All related specifications and site conditions should be reviewed and verified with the client prior to installation.

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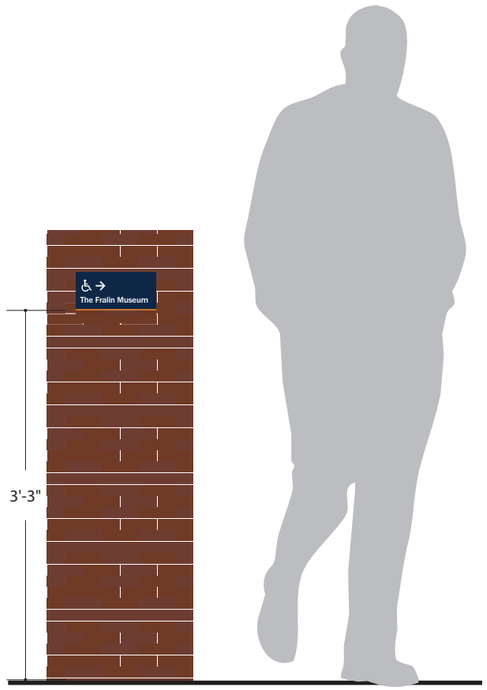
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		Multiple		7.12

PED 6 - Wall-Mounted Single-Destination Directional

How / When to Use:

1. Sign should be located at pedestrian decision points where a simplified sign is desired and there is a wall surface to mount to. Accessible pathway information is likely to receive this sign type.



1 Elevation
scale: 3/4" = 1'-0"

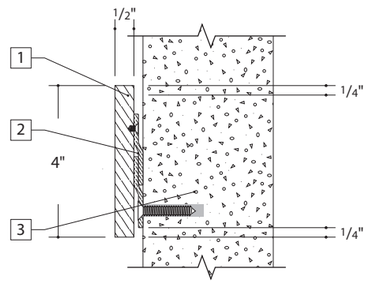
2 Panel
scale: 6" = 1'-0"

3 Layout
scale: 6" = 1'-0"

1 Removable 1/2" thick painted aluminum panel with digitally printed graphics

2 Provide lockable aluminum z-clip attachment details for removable panel, z-clips to span the width of sign with 1/4" set back from edges

3 Pre-drill hole and insert countersunk threaded fastener with clear siliconde adhesive, remove any excess adhesive to be clean and seamless



4 Wall-mounted Detail – Side Section
scale: 3"=1'-0"

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- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

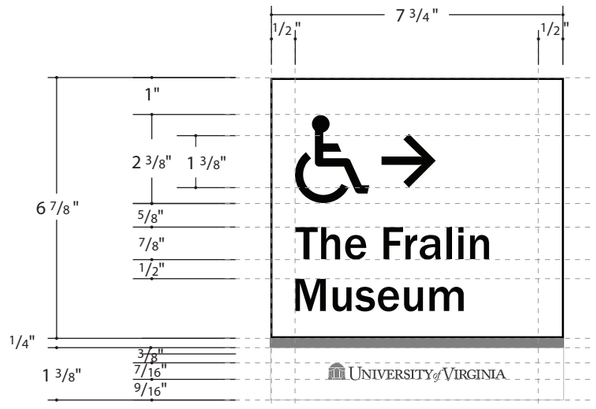
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		Multiple		7.13

PED 7 - Pedestrian Directional, Garden-Scale

1 Elevation
scale: 3/4" = 1'-0"

2 Side View
scale: 3/4" = 1'-0"

3 Callouts
scale: 3" = 1'-0"



4 Layout
scale: 3" = 1'-0"

How / When to Use:

1. Sign should be located at pedestrian decision points where a simplified sign is desired and there is a wall surface to mount to. Accessible pathway information is likely to receive this sign type.

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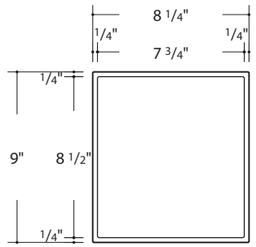
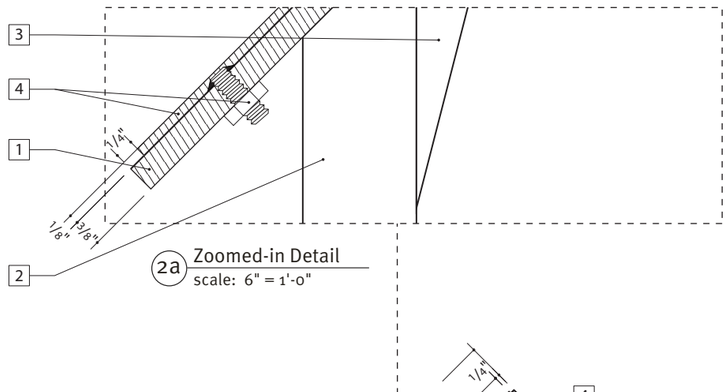
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		Multiple		7.14

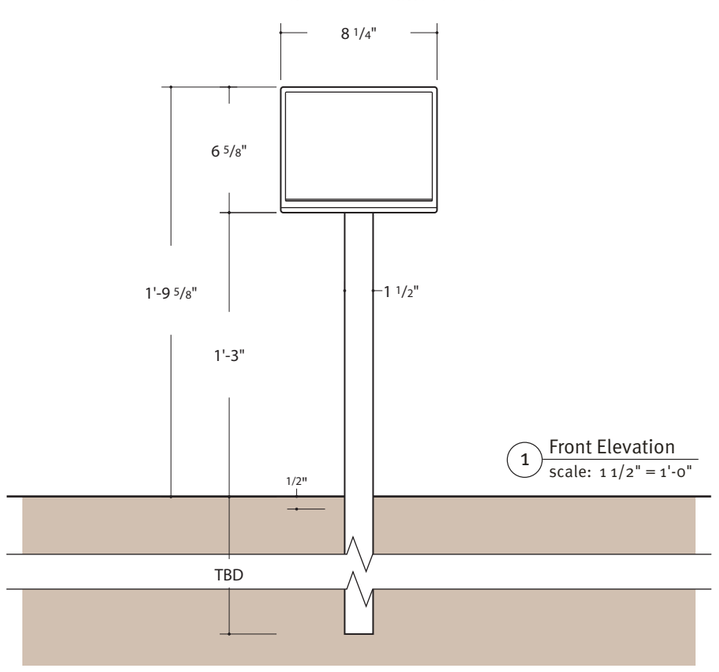
PED 7 - Pedestrian Directional, Garden-Scale – Construction Details



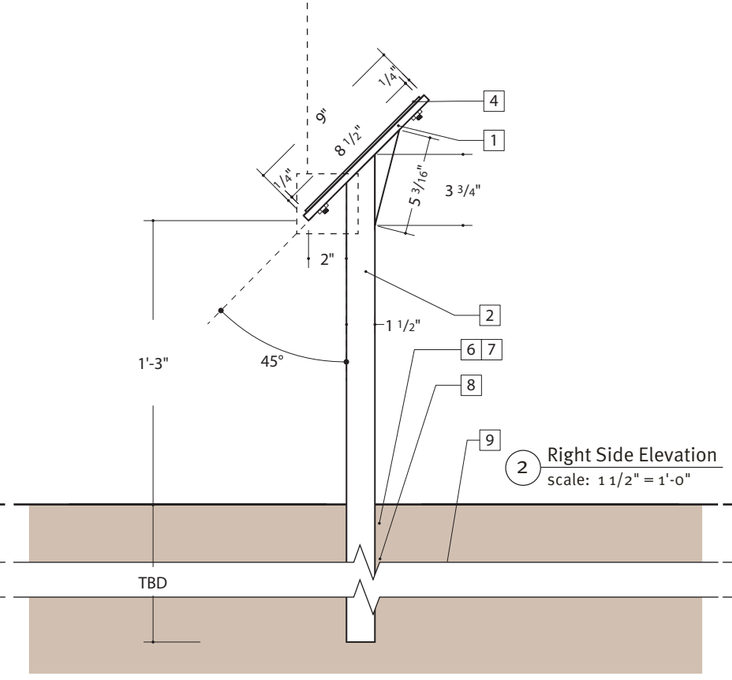
Plan View – Flattened Panel



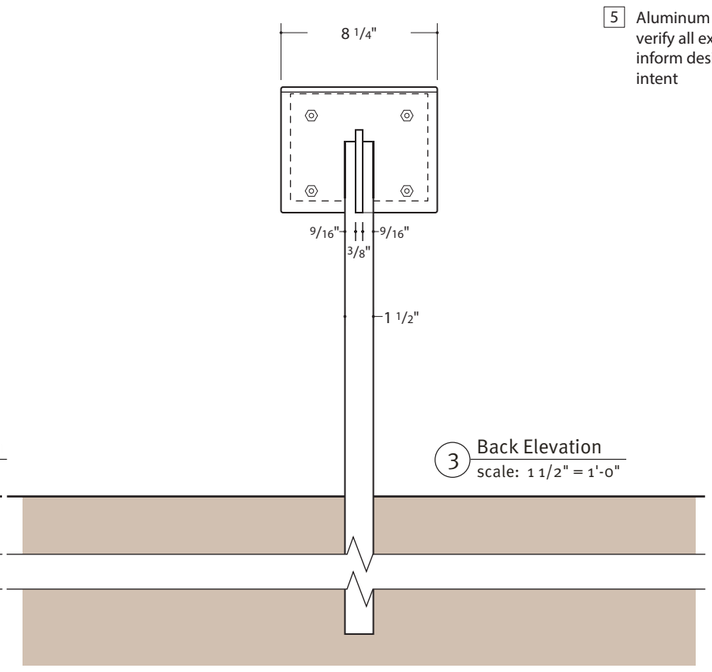
2a Zoomed-in Detail
scale: 6" = 1'-0"



1 Front Elevation
scale: 1 1/2" = 1'-0"



2 Right Side Elevation
scale: 1 1/2" = 1'-0"



3 Back Elevation
scale: 1 1/2" = 1'-0"

1 3/8" thick aluminum, v-groove and fillet weld to 1 1/2" x 1 1/2" aluminum square tube, grind down all welds to be smooth and seamless

2 1 1/2" x 1 1/2" aluminum square tube, cut, v-groove and fillet weld to the back of aluminum panel, grind down all welds to be smooth and seamless

3 Cut 3/8" aluminum plate support, v-groove and fillet weld to tbe back of aluminum panel and tube, grind down all welds to be smooth and seamless

4 1/8" thick, removable, aluminum panel with threaded stainless steel studs welded to the back, mounted to aluminum backer with tamper resistant nuts and washers

5 Aluminum tube to be direct buried into landscaping, verify all existing condtions prior to shop drawings and inform designer of any issues that wil affect design intent

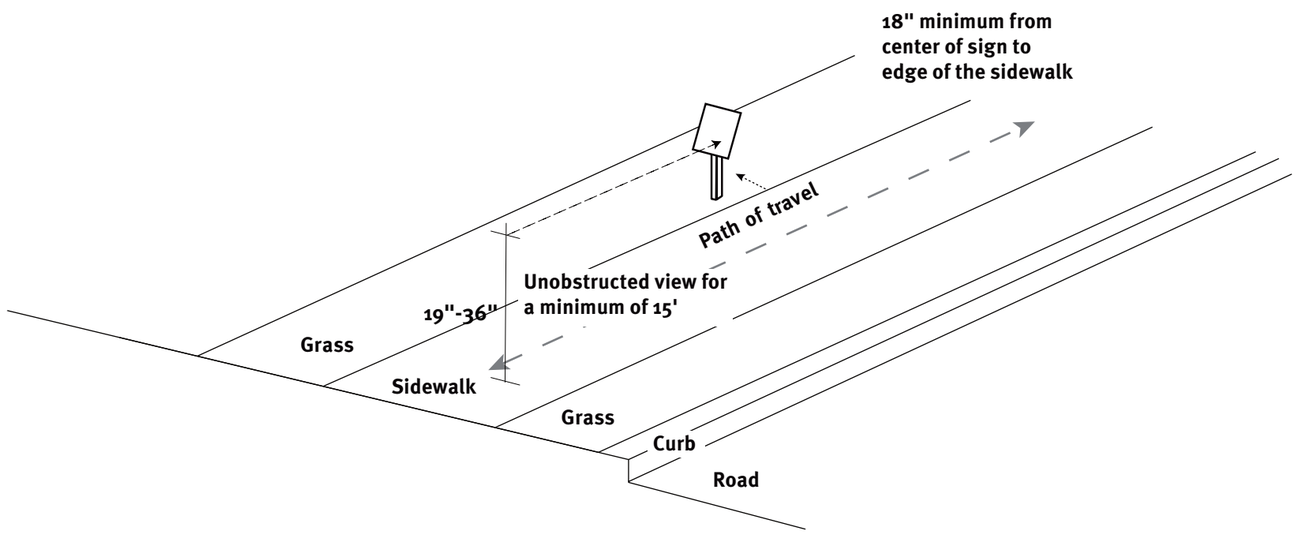
This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:
- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		Multiple		7.15

PED 7 - Pedestrian Directional, Garden-Scale – Sign Placement

How / When to Use:

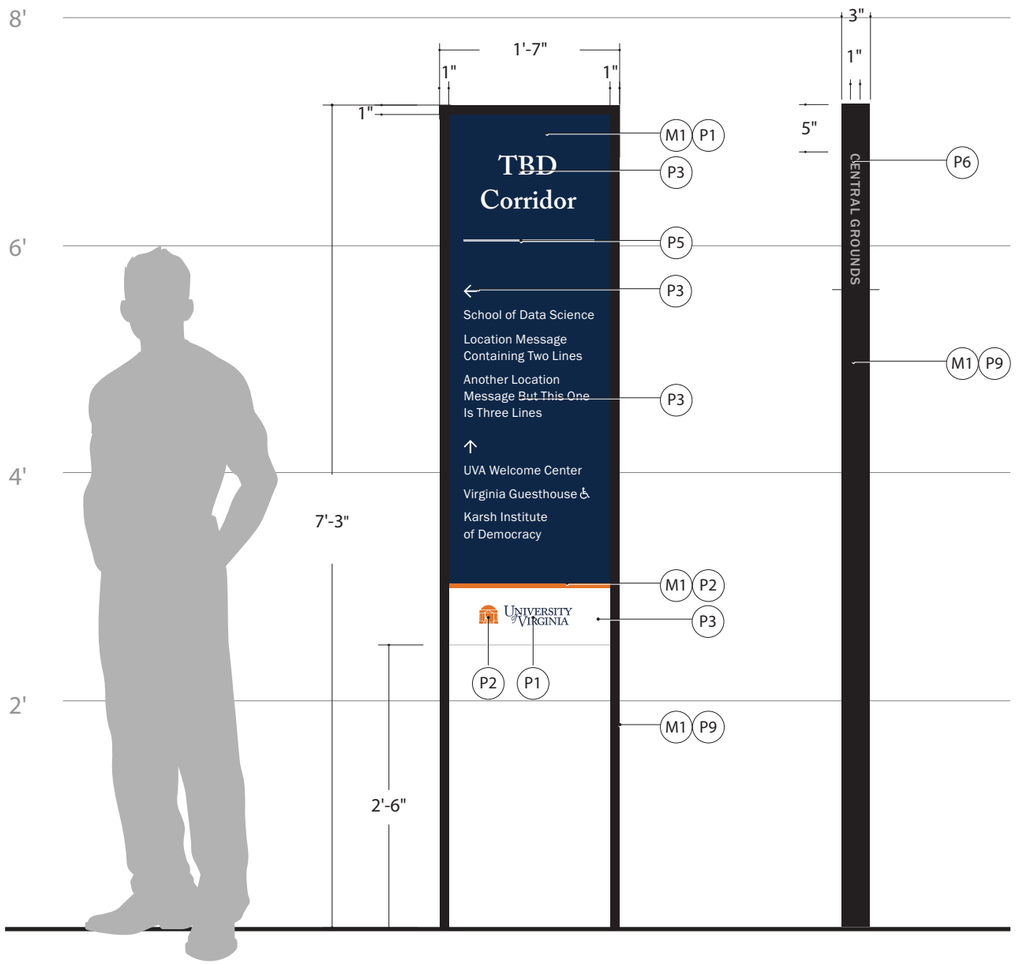
1. This sign location diagram is intended as a general guideline only. All related specifications and site conditions should be reviewed and verified with the client prior to installation.



This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:
- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

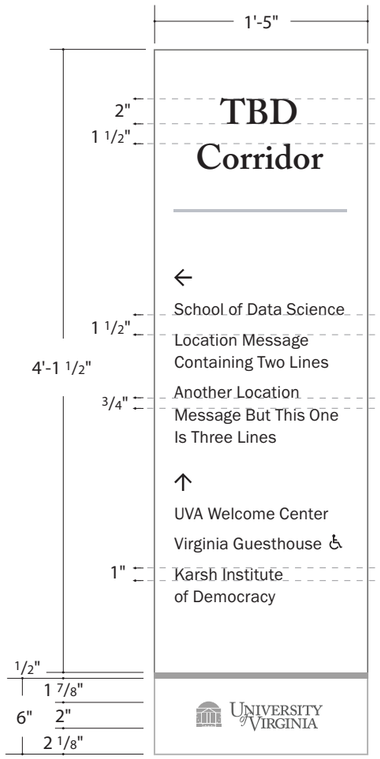
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		Multiple		7.16

PED 8A - Pedestrian Identification with Directional – Elevation & Layout

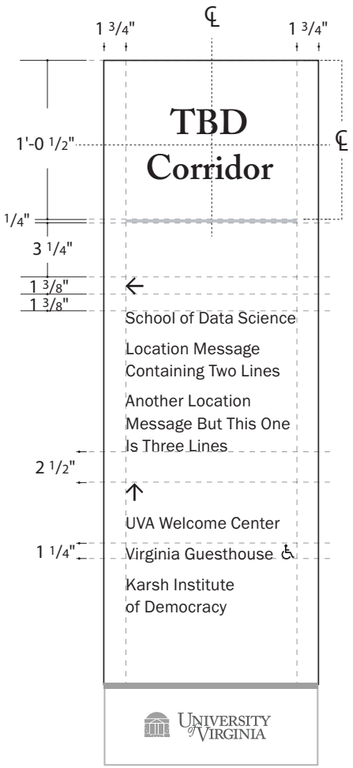


1 PED 8A
scale: 3/4" = 1'-0"

2 Side View
scale: 3/4" = 1'-0"



3 PED 8A Layout
scale: 1" = 1'-0"



4 PED 8A Layout, Cont.
scale: 1" = 1'-0"

How / When to Use:

1. Sign should be located along pedestrian pathways where a traditional building identification may not have the footprint to support it, i.e. Ivy Corridor.
2. Directions should be provided to nearby public destinations.
3. Map artwork being coordinated with UVA GIS department.

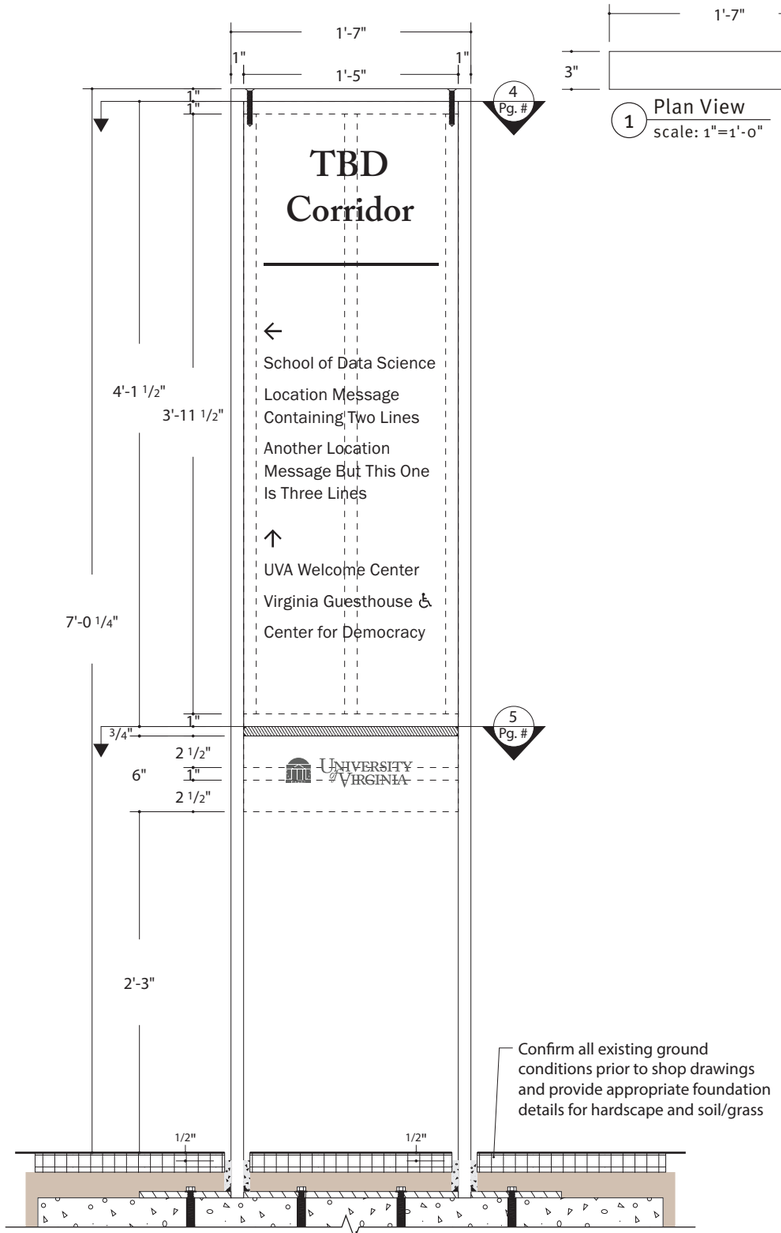
This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:
- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		3/4" = 1'		7.17

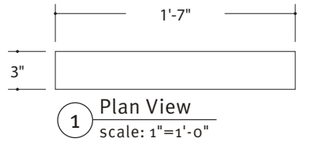
PED 8 - Freestanding Pedestrian Directional – Construction Details

UNIVERSITY of VIRGINIA

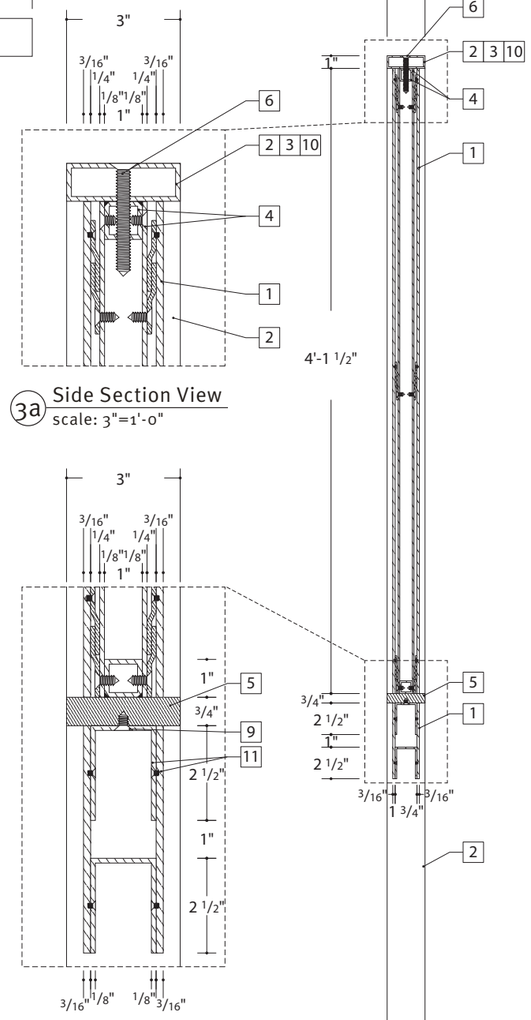
5. Building Identification



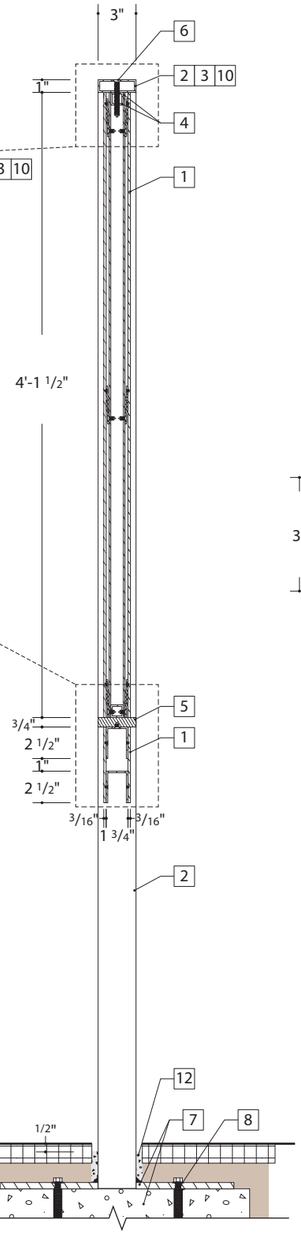
2 Aluminum Frame Details – Front Elevation
scale: 1"=1'-0"



1 Plan View
scale: 1"=1'-0"

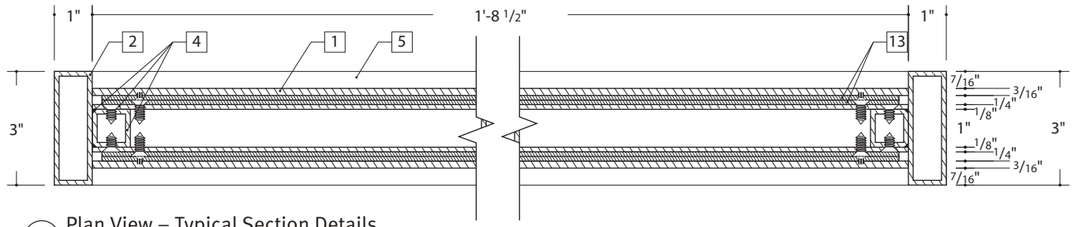


3b Side Section View
scale: 3"=1'-0"



3 Side Section View
scale: 1"=1'-0"

3a Side Section View
scale: 3"=1'-0"



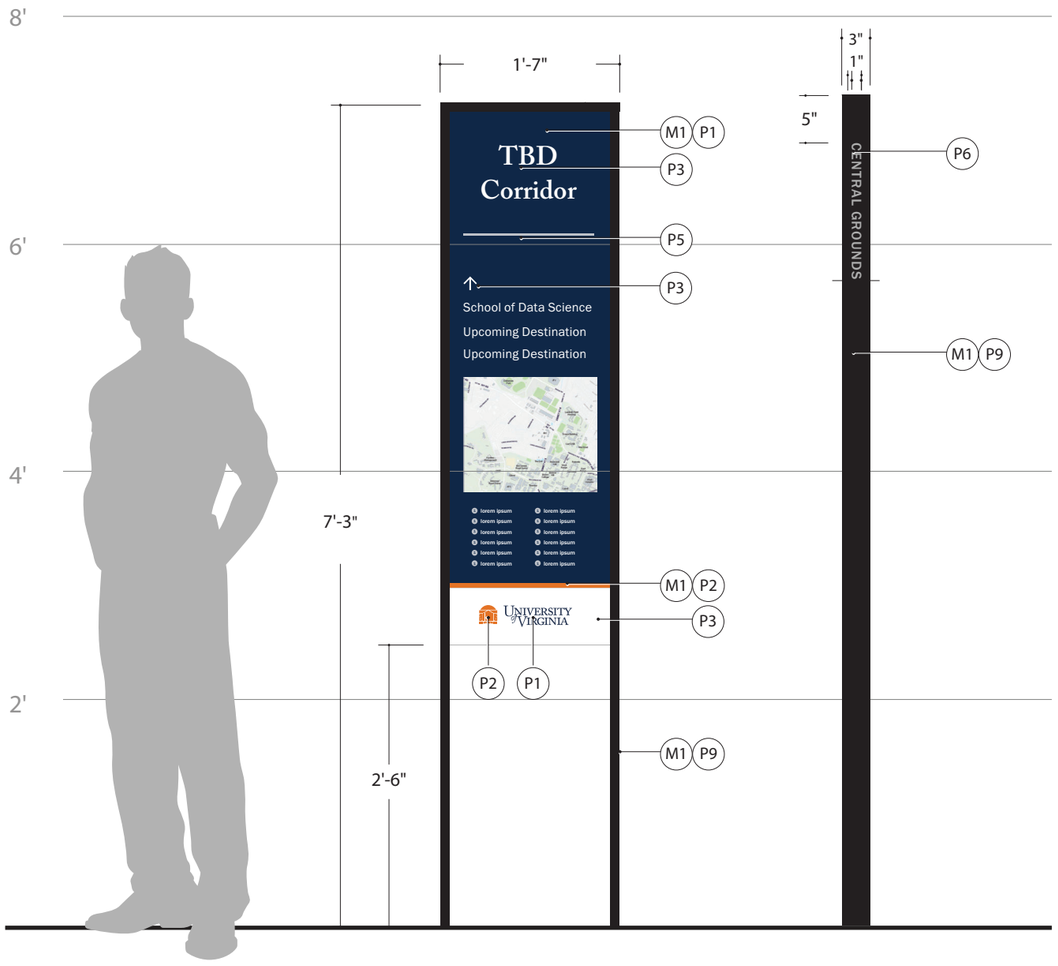
4 Plan View – Typical Section Details
scale: 3"=1'-0"

1. Removable 3/16" painted aluminum sign face, with digitally printed graphics and cut reflective vinyl applied to the surface
2. 3" x 1" aluminum tube
3. Removable 3" x 1" aluminum tube (top) fastened to 1" x 1" aluminum tube frame with countersunk fasteners painted to match adajcent surface
4. 1" x 1" aluminum tube frame welded together and fillet weld to vertical 3" x 1" aluminum tube; 1/8" thick aluminum sheet backer mounted to frame with countersunk fasteners; grind down all welds to be smooth and seamless
5. 3" wide by 3/4" thick aluminum bar (painted orange) fillet welded to vertical aluminum tube
6. Drill and tap aluminum structure for countersunk mechanical fasteners, fasteners to be set 1/16" below surface of aluminum, paint fasteners to match adjacent surface
7. Poured concrete foundation with appropriate match plate details, sign fabricator to provide engineered foundation details sealed by a certified engineer, verify existing conditions in field and inform designer and client of any issues that will affect design intent
8. Match plate connection to be below grade and hidden from view
9. 2 1/2" x 1 3/4" aluminum U-channel mounted to 3" x 1" aluminum tube with countersunk tamper-proof fasteners
10. Fillet weld 1/4" thick aluminum cap onto the end of of aluminum tube, grind down all welds to be smooth and seamless
11. Removable bottom panel is fastened to aluminum U-channel with countersunk tamper-proof fasteners
12. Provide 1/2" wide expansion joint (gray) between adjacent hardscape surface and sign structure; no expansion joint necessary at soil/grass locations
13. Provide aluminum z-clip attachment details for removable panel, z-clips to span the width of sign with 1/4" set back from edges

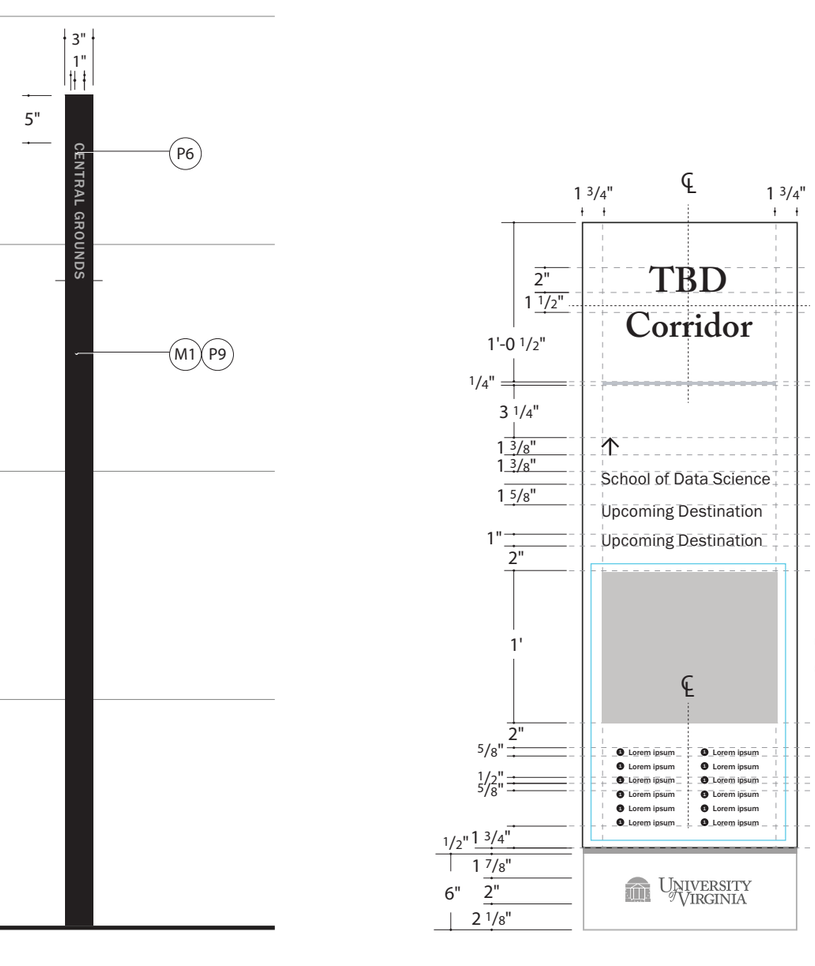
This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:
- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		Multiple		7.18

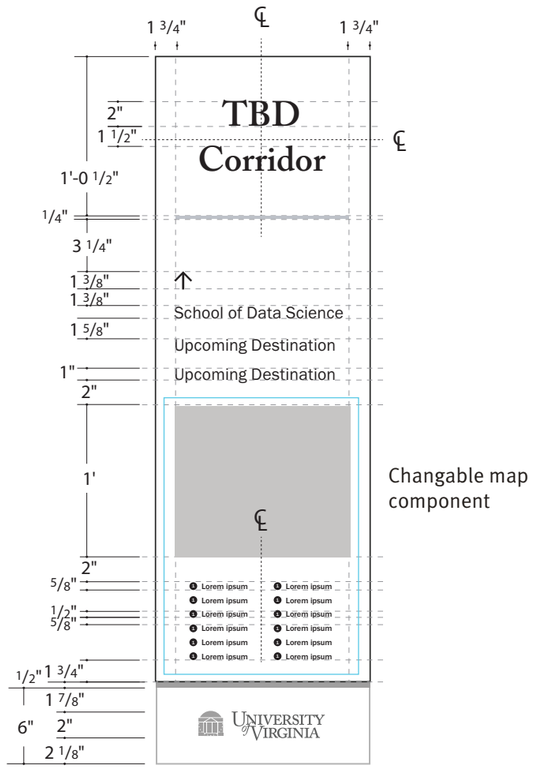
PED 8B - Pedestrian Identification with Map – Elevation & Layout



1 PED 8B
scale: 3/4" = 1'-0"



2 Side View
scale: 3/4" = 1'-0"



3 PED 8B Layout
scale: 1" = 1'-0"

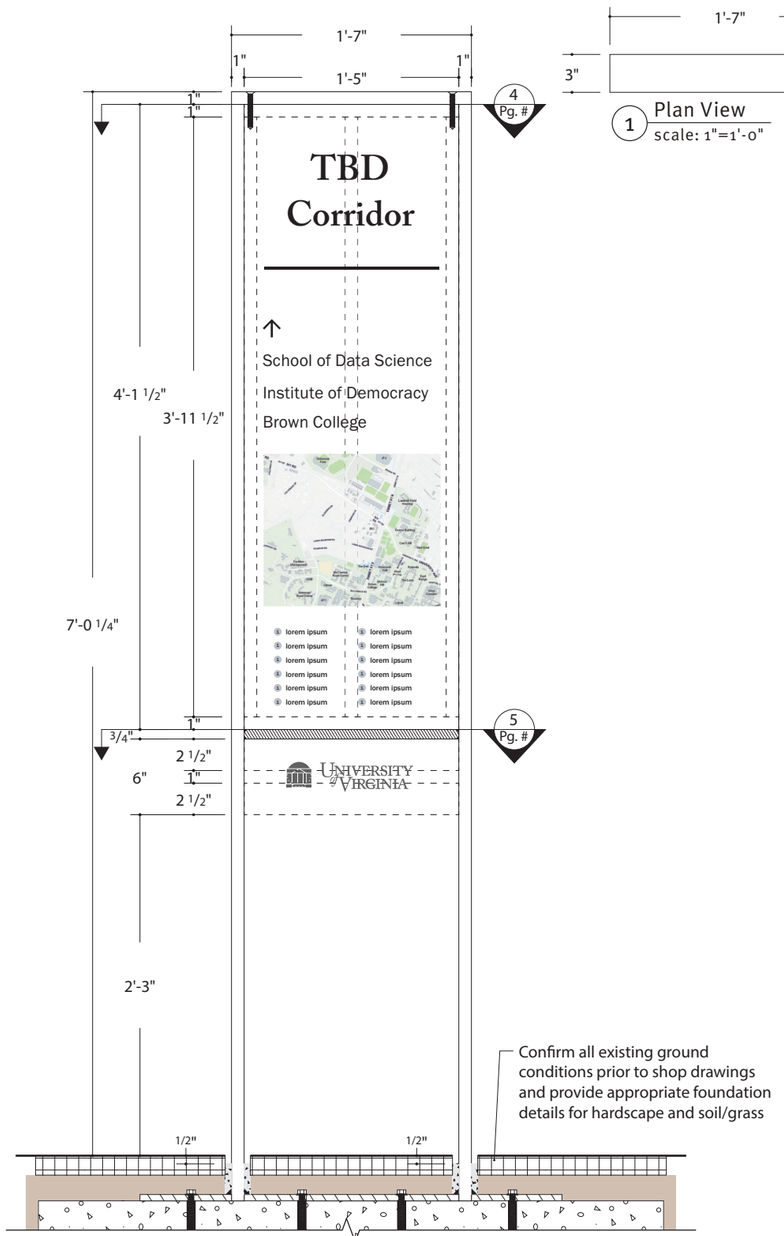
How / When to Use:

1. Sign should be located along pedestrian pathways where a traditional building identification may not have the footprint to support it, i.e. Ivy Corridor.
2. Directions should be provided to nearby public destinations.
3. Map artwork being coordinated with UVA GIS department.

This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:
- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

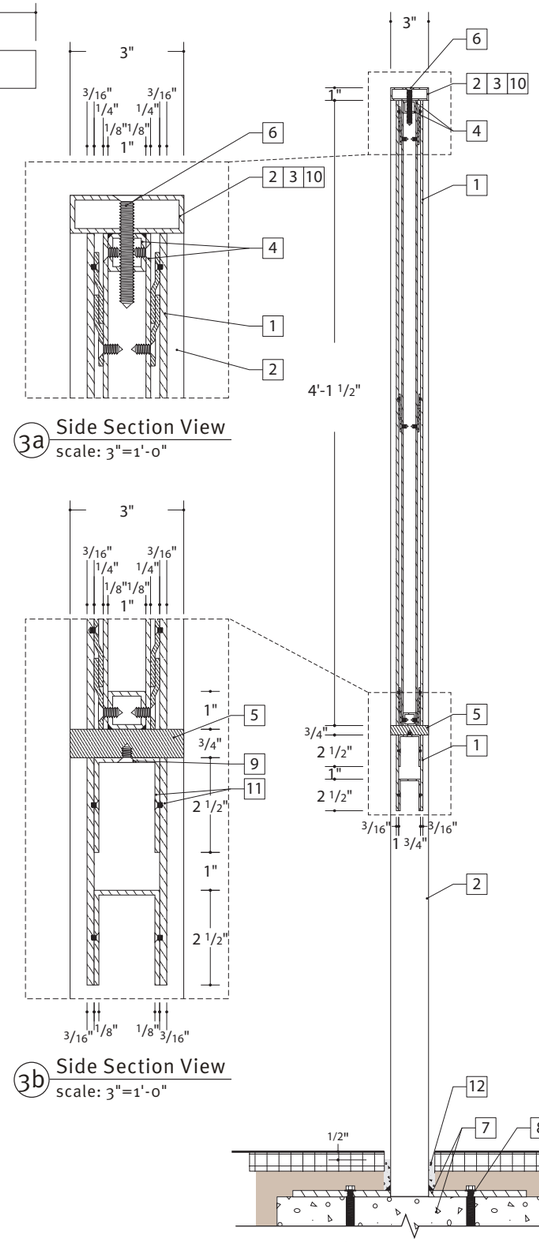
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		3/4" = 1'		7.19

PED 8B - Freestanding Pedestrian Directional with Map – Construction Details



2 Aluminum Frame Details – Front Elevation
scale: 1"=1'-0"

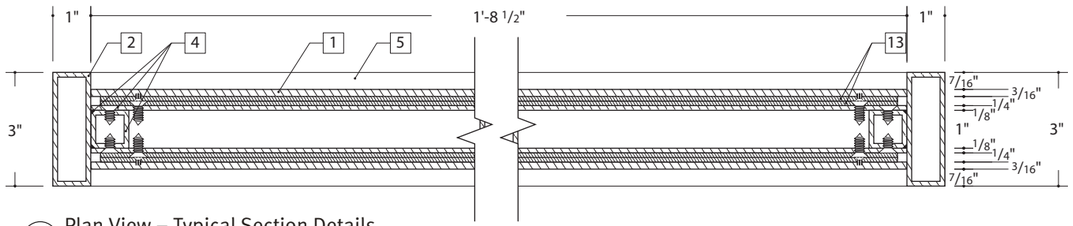
1 Plan View
scale: 1"=1'-0"



3a Side Section View
scale: 3"=1'-0"

3b Side Section View
scale: 3"=1'-0"

3 Side Section View
scale: 1"=1'-0"



4 Plan View – Typical Section Details
scale: 3"=1'-0"

1. Removable 3/16" painted aluminum sign face, with digitally printed graphics and cut reflective vinyl applied to the surface
2. 3" x 1" aluminum tube
3. Removable 3" x 1" aluminum tube (top) fastened to 1" x 1" aluminum tube frame with countersunk fasteners painted to match adjacent surface
4. 1" x 1" aluminum tube frame welded together and fillet weld to vertical 3" x 1" aluminum tube; 1/8" thick aluminum sheet backer mounted to frame with countersunk fasteners; grind down all welds to be smooth and seamless
5. 3" wide by 3/4" thick aluminum bar (painted orange) fillet welded to vertical aluminum tube
6. Drill and tap aluminum structure for countersunk mechanical fasteners, fasteners to be set 1/16" below surface of aluminum, paint fasteners to match adjacent surface
7. Poured concrete foundation with appropriate match plate details, sign fabricator to provide engineered foundation details sealed by a certified engineer, verify existing conditions in field and inform designer and client of any issues that will affect design intent
8. Match plate connection to be below grade and hidden from view
9. 2 1/2" x 1 3/4" aluminum U-channel mounted to 3" x 1" aluminum tube with countersunk tamper-proof fasteners
10. Fillet weld 1/4" thick aluminum cap onto the end of of aluminum tube, grind down all welds to be smooth and seamless
11. Removable bottom panel is fastened to aluminum U-channel with countersunk tamper-proof fasteners
12. Provide 1/2" wide expansion joint (gray) between adjacent hardscape surface and sign structure; no expansion joint necessary at soil/grass locations
13. Provide aluminum z-clip attachment details for removable panel, z-clips to span the width of sign with 1/4" set back from edges

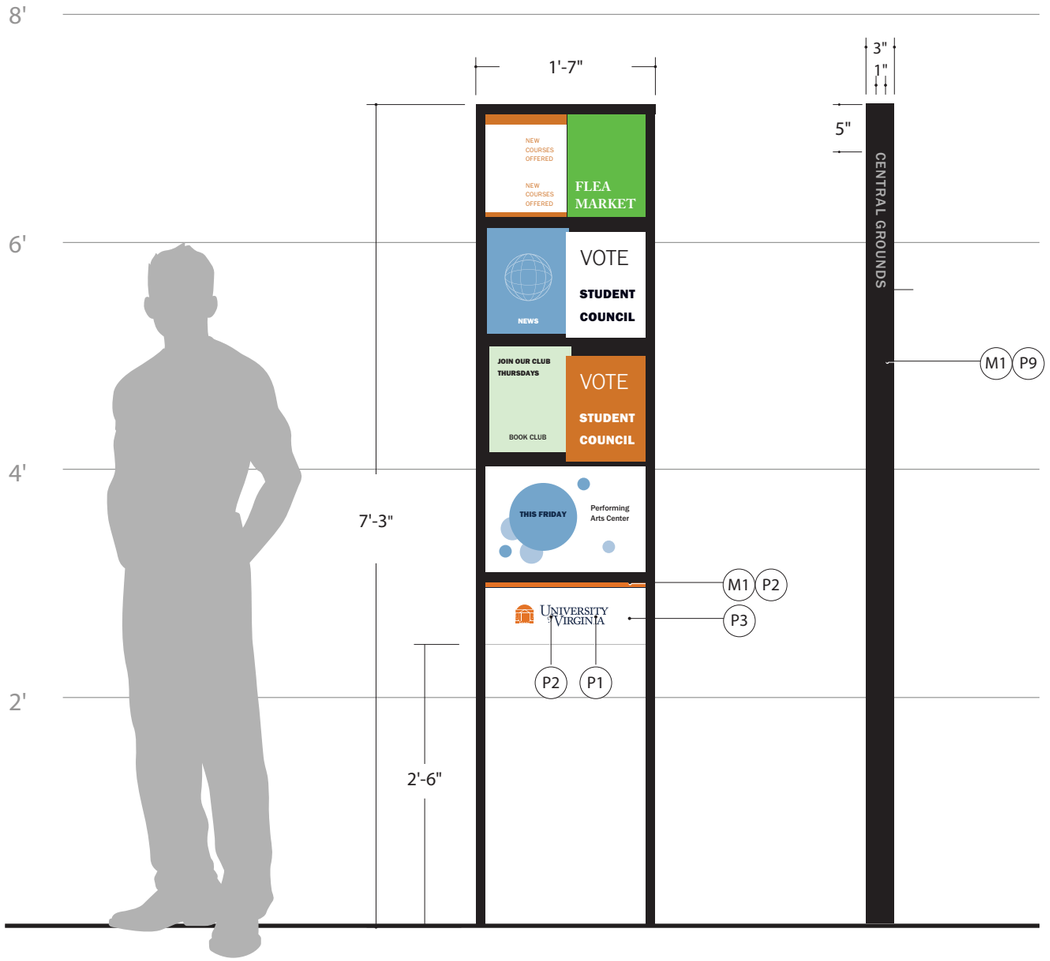
This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:
- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		Multiple		7.20

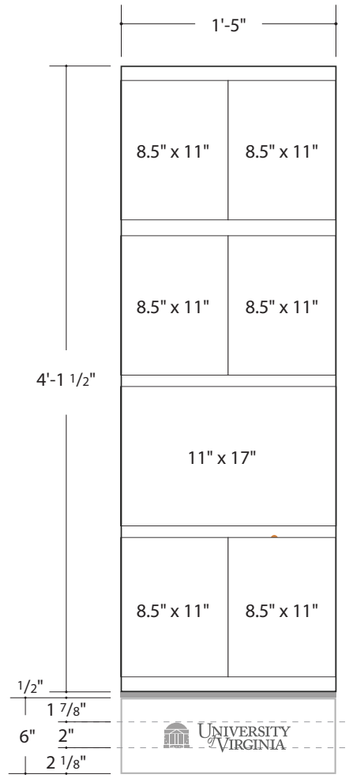
PED 9 - Freestanding Pedestrian Flyer Posting Board

How / When to Use:

1. These signs should replace existing flyer kiosks and not be added to any new locations.



1 Front View
scale: 3/4" = 1'-0"



2 Side View
scale: 3/4" = 1'-0"

3 Side View
scale: 1" = 1'-0"

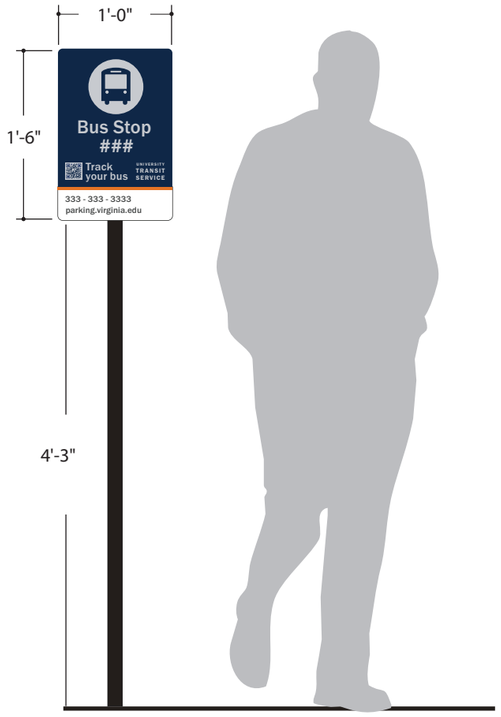
This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:
- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		Multiple		7.21

PED 10 - Bus Stop ID – Elevation

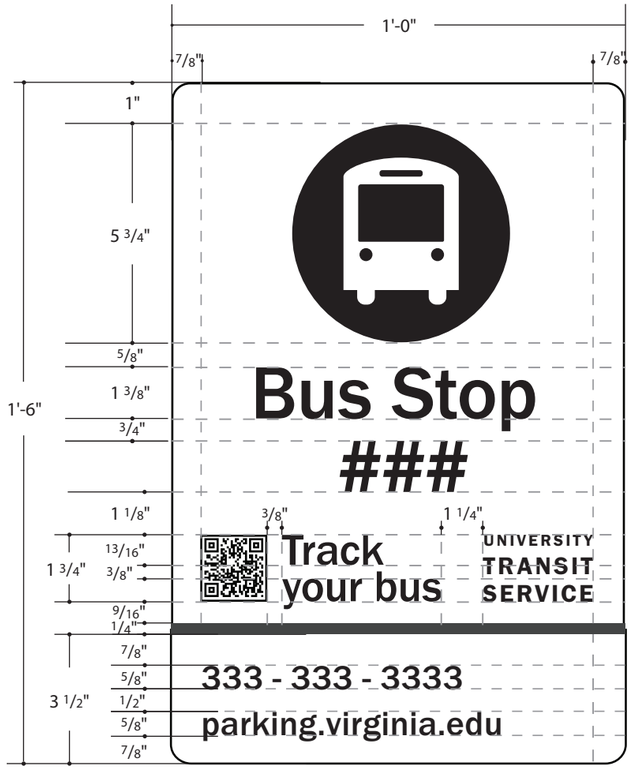
How / When to Use:

1. This sign location diagram is intended as a general guideline only. All related specifications and site conditions should be reviewed and verified with the client prior to installation.
2. This sign may NOT be mounted with any portion of the sign overhanging the sidewalk.



1 Elevation
scale: 3/4" = 1'-0"

2 Callouts
scale: 3" = 1'-0"



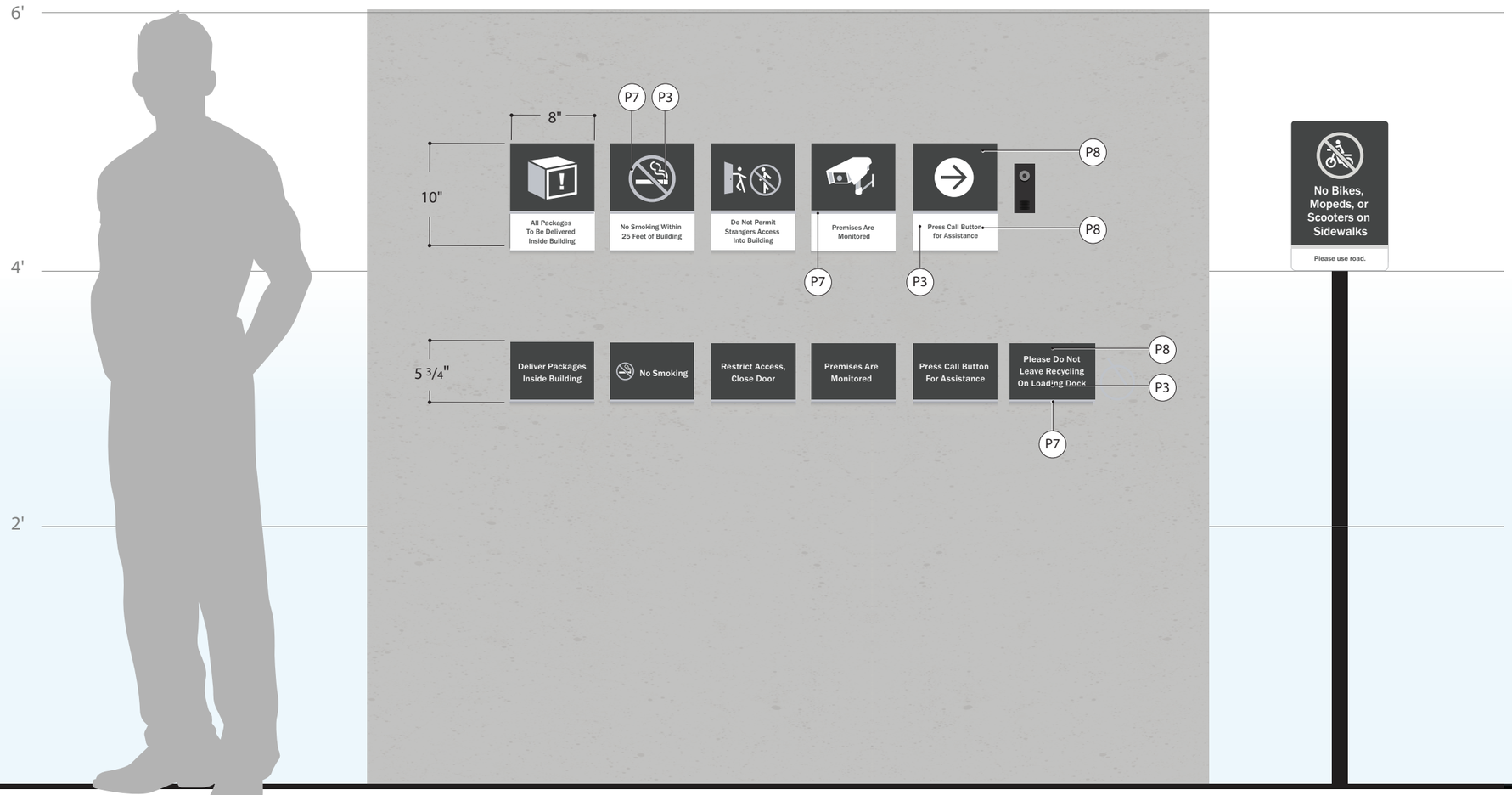
3 Layout
scale: 3" = 1'-0"

This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:
- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		N/A		7.22

Section **8 Regulatory Signage**

Regulatory Signage – Elevation



scale: 1" = 1'-0"

REG 1
Regulatory Template

REG 2
Regulatory Template, small

REG 3
Regulatory Template
Post-mounted

This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:
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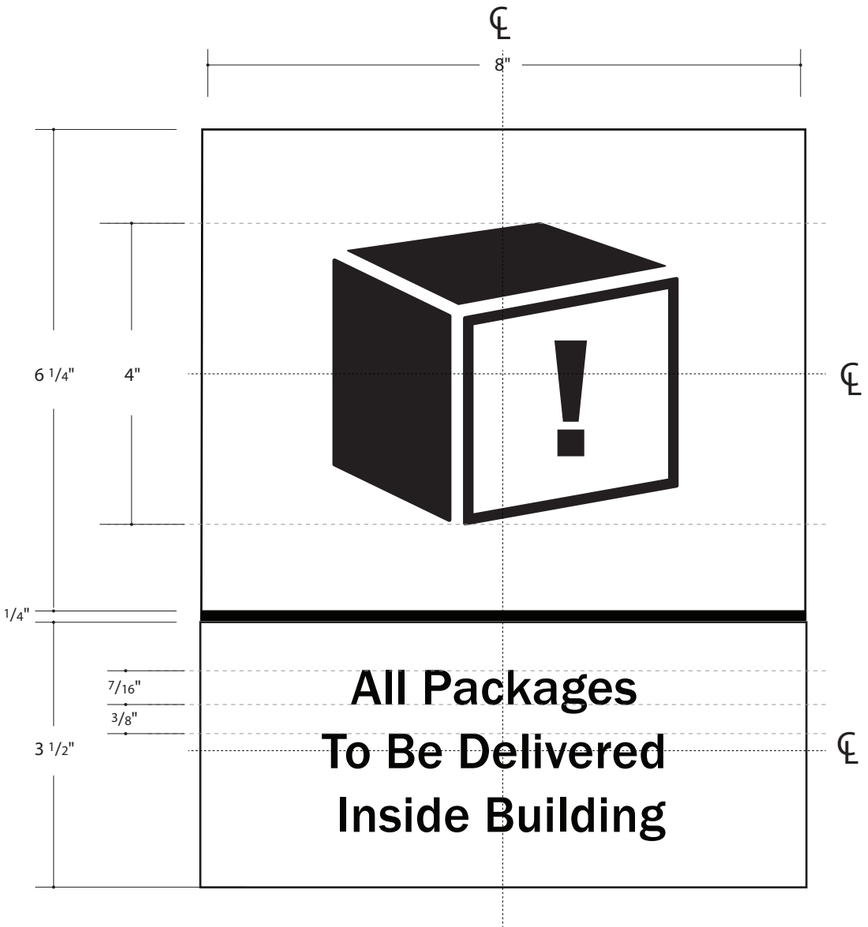
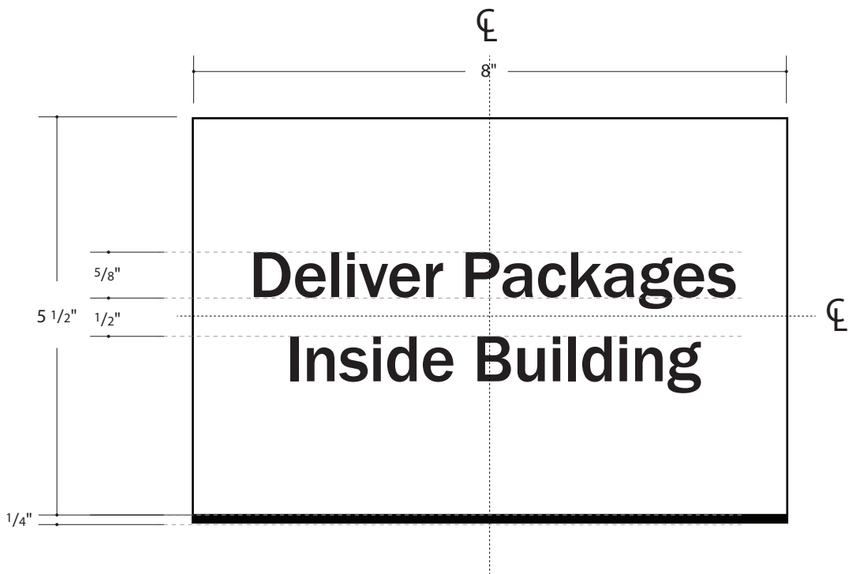
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		1" = 1'		8.1

REG 1, REG 2 - Regulatory Templates – Layout



1 REG 1 – Regulatory Template
scale: 6" = 1'-0"

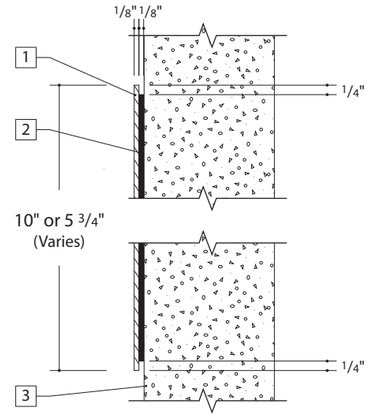


2 REG 2 – Regulatory Template, Small
scale: 6" = 1'-0"

1 1/8″ thick painted aluminum panel with digitally printed graphics

2 Panel mounted to wall with 1/8″ thick VHB adhesive tape, in-set VHB 1/4″ from all edges, provide additional clear silicone adhesive to keep mounting detail permanent

3 Fabricator to verify existing wall conditions prior to shop drawings, and inform designer and client of any issues that will affect design intent

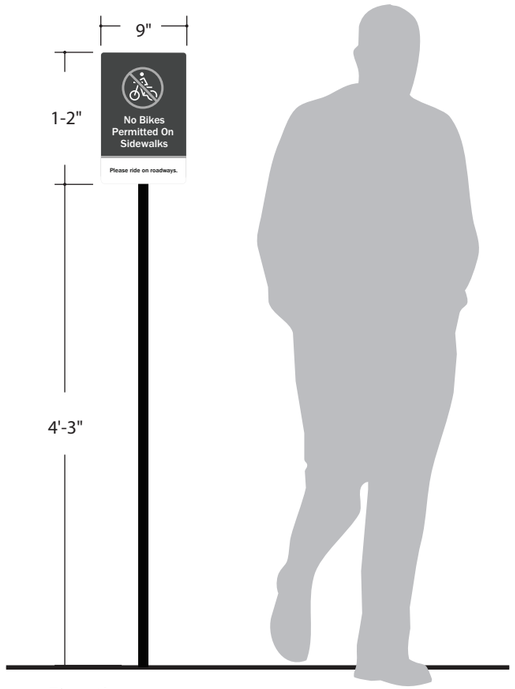


3 Wall-mounted Detail – Side Section
scale: 3"=1'-0"

This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:
- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

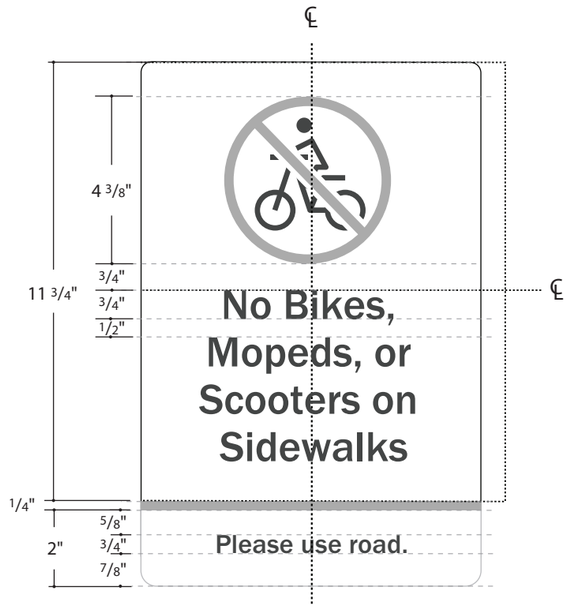
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		6" = 1'		8.2

REG 3 - Post-Mounted Notice – Elevation



1 Elevation
scale: 3/4" = 1'-0"

2 Callouts
scale: 3" = 1'-0"

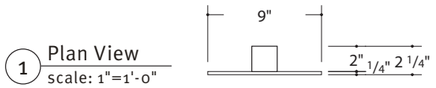


3 Layout
scale: 3" = 1'-0"

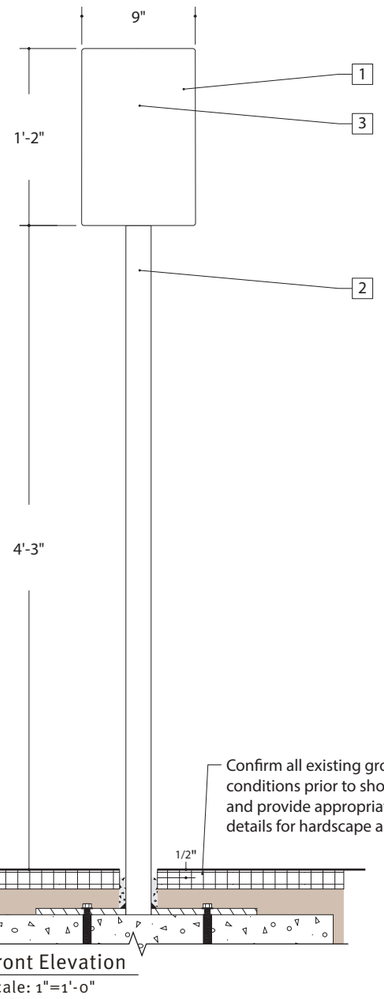
This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:
- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		Multiple		8.3

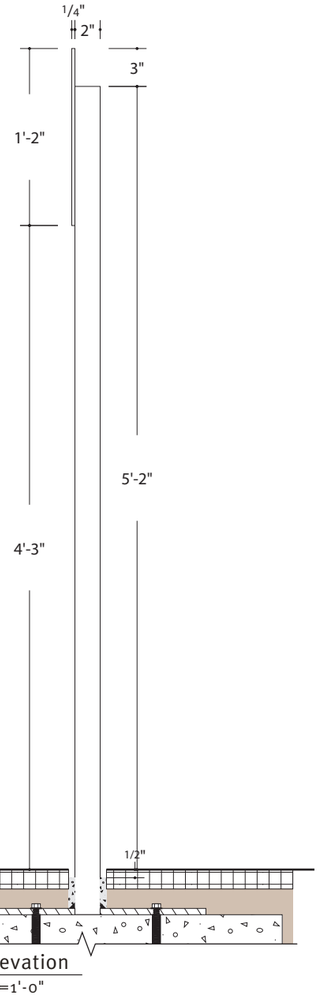
REG 3 - Post-Mounted Notice – Construction Details



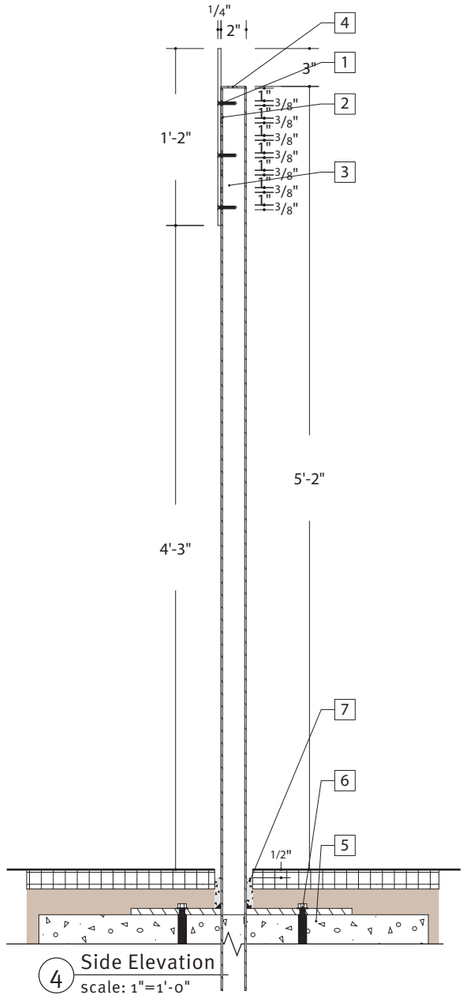
1 Plan View
scale: 1"=1'-0"



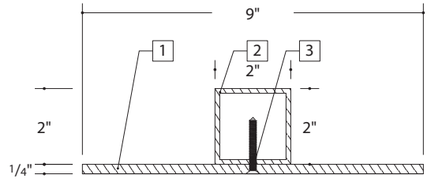
2 Front Elevation
scale: 1"=1'-0"



3 Side Elevation
scale: 1"=1'-0"



4 Side Elevation
scale: 1"=1'-0"



5 Plan View – Typical Section Details
scale: 3"=1'-0"

1. Removable 1/4" painted aluminum sign face, with digitally printed graphics
2. 2" x 2" aluminum tube with perforated holes set 1" apart
3. Tamper-proof countersunk fasteners placed in locations that do not obstruct the graphics
4. Provide welded cap at top of aluminum tube, grind down all welds to be smooth and seamless
5. Poured concrete foundation with appropriate match plate details, sign fabricator to provide engineered foundation details sealed by a certified engineer, verify existing conditions in field and inform designer and client of any issues that will affect design intent
6. Match plate connection to be below grade and hidden from view
7. Provide 1/2" wide expansion joint (gray) between adjacent hardscape surface and sign structure; no expansion joint necessary at soil/grass locations
8. 1/4" thick painted aluminum sign face, with digitally printed graphics,
9. Threaded studs fillet welded to the back of wall-mounted panel
10. Pre-drill hole and insert threaded studs with clear siliconde adhesive and remove any excess adhesive to be clean and seamless

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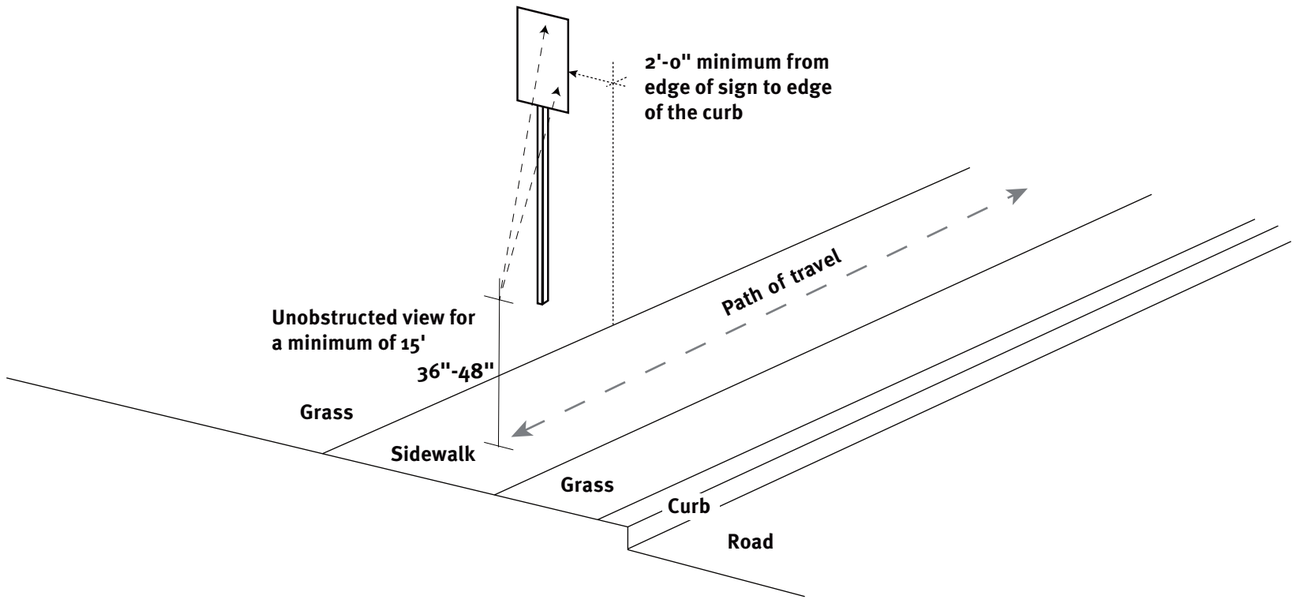
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		1" = 1'		8.4

REG 3 - Post-Mounted Notice – Sign Placement

How / When to Use:

1. This sign location diagram is intended as a general guideline only. All related specifications and site conditions should be reviewed and verified with the client prior to installation.



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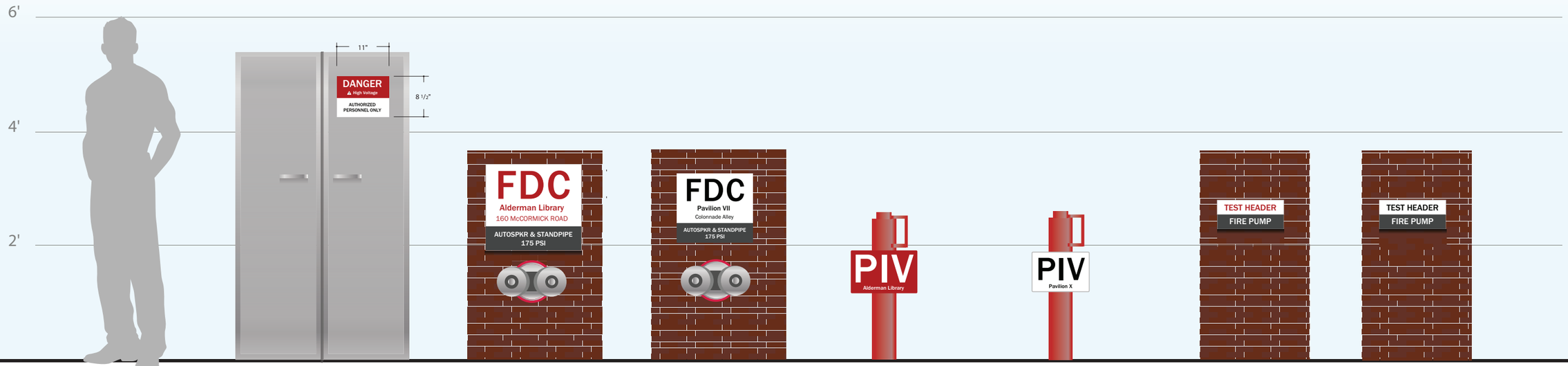
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		1" = 1'		8.5

Regulatory Signage Elevation, Continued

How / When to Use:

1. Specific information such as pump pressure to be specified/confirmed by/with the UVA Fire Marshal and the fire department.



scale: 1" = 1'-0"

REG 4
Danger Notice

REG 5
FDC Notice

REG 5B
FDC Notice
Academical Village Only

REG 6
PIV Notice

REG 6B
PIV Notice
Academical Village Only

REG 7
Test Header

REG 7B
Test Header
Academical Village Only

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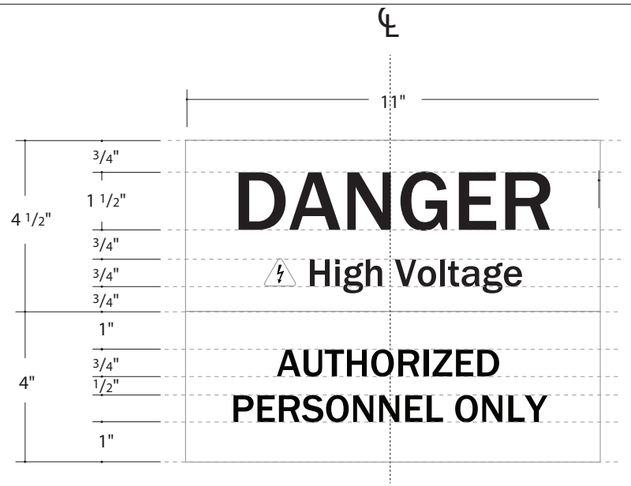
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		1" = 1'		8.6

REG 4 - Danger Notice

1 REG 4 – Callouts
scale: 3" = 1'-0"

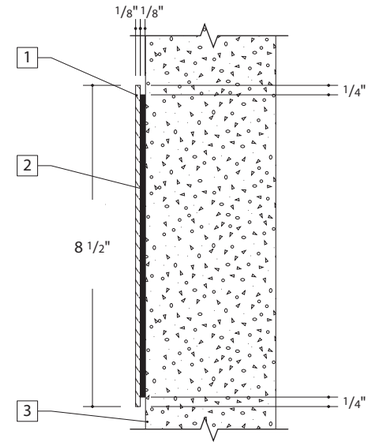


2 REG 4 – Layout
scale: 3" = 1'-0"

1 1/8" thick painted aluminum panel with digitally printed graphics

2 Panel mounted to wall with 1/8" thick VHB adhesive tape, in-set VHB 1/4" from all edges, provide additional clear silicone adhesive to keep mounting detail permanent

3 Fabricator to verify existing wall conditions prior to shop drawings, and inform designer and client of any issues that will affect design intent

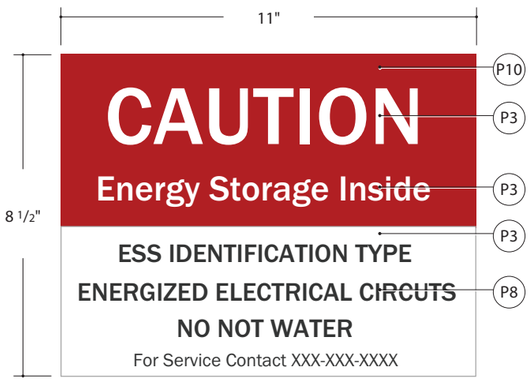


5 Wall-mounted Detail – Side Section
scale: 3"=1'-0"

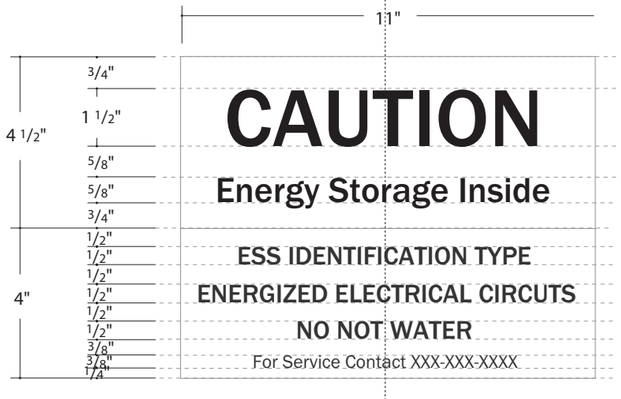
How / When to Use:

1. The alternate signage shall be provided on or adjacent to all entry doors for Energy Storage System rooms or areas and on enclosures of Energy Storage System cabinets and walk-in units located outdoors, on rooftops or in open parking garages.

   Messaging should include the identification of ESS type present, "APPLY NO WATER" (if water-reactive electrochemical ESS are present), and contact information (including phone number) for personnel authorized to service the equipment and for fire mitigation personnel required. [IFC 1207.4.8]



3 REG 4B – Alt Callouts
scale: 3" = 1'-0"



4 REG 4B – Alt Layout
scale: 3" = 1'-0"

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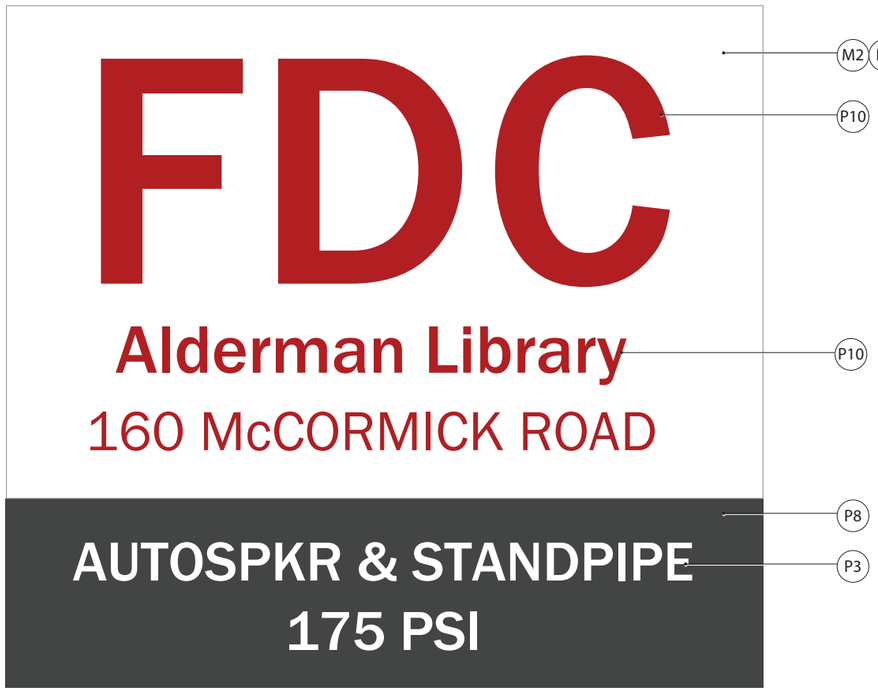
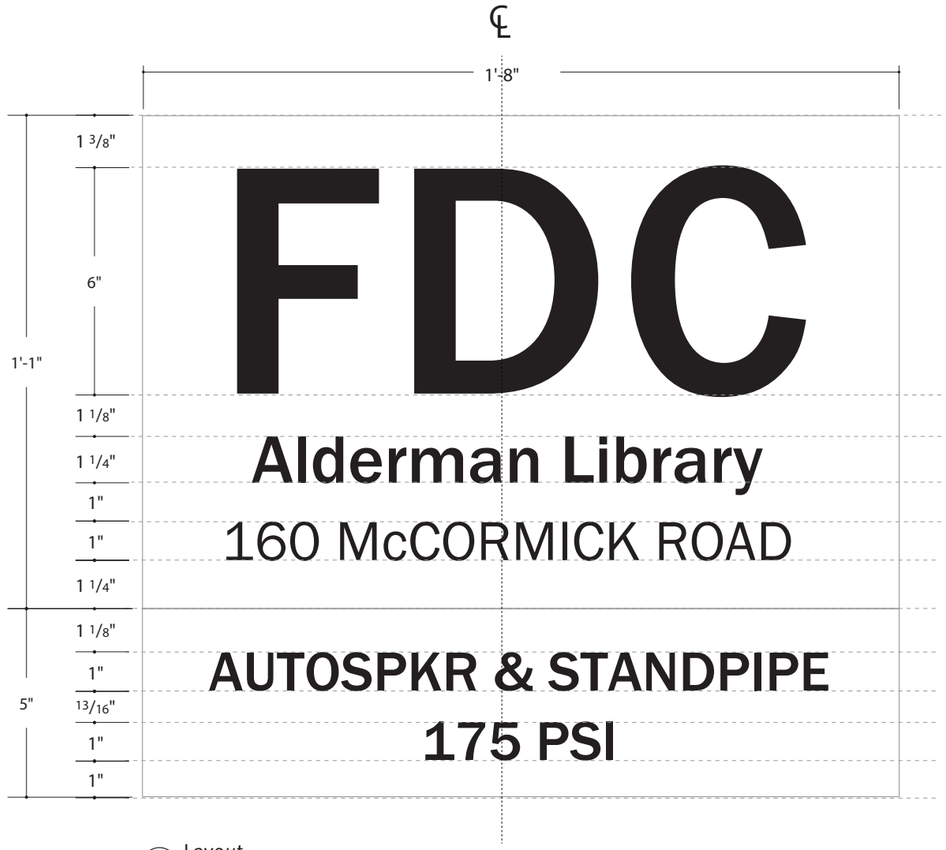
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		3" = 1'		8.7

REG 5 - FDC

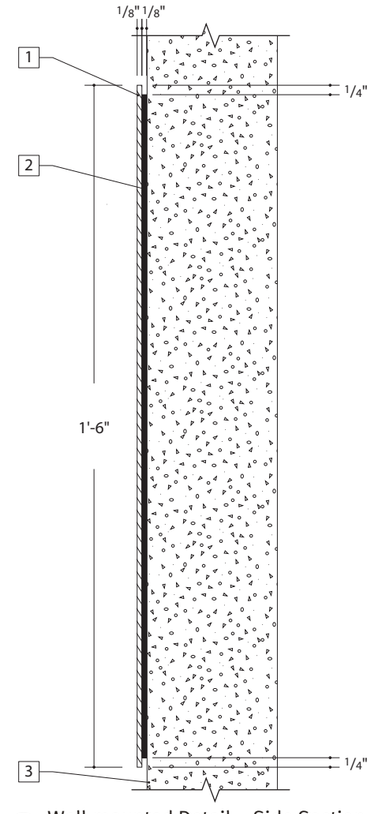
1. 1/8" thick painted aluminum panel with digitally printed graphics
2. Panel mounted to wall with 1/8" thick VHB adhesive tape, in-set VHB 1/4" from all edges, provide additional clear silicone adhesive to keep mounting detail permanent
3. Fabricator to verify existing wall conditions prior to shop drawings, and inform designer and client of any issues that will affect design intent



1 Callouts
scale: 3" = 1'-0"



2 Layout
scale: 3" = 1'-0"



3 Wall-mounted Detail – Side Section
scale: 3"=1'-0"

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Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		3" = 1'		8.8

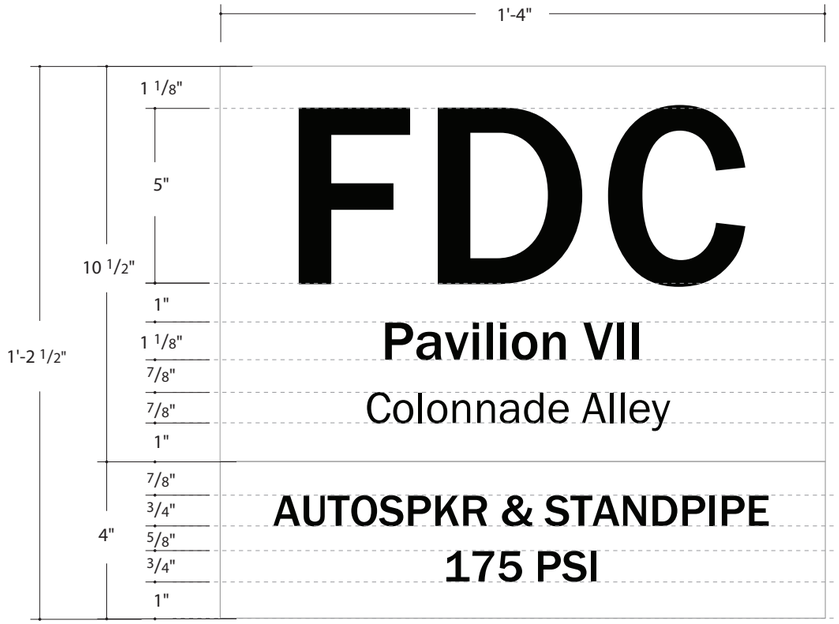
REG 5B - FDC for Academical Village

1 1/8" thick painted aluminum panel with digitally printed graphics

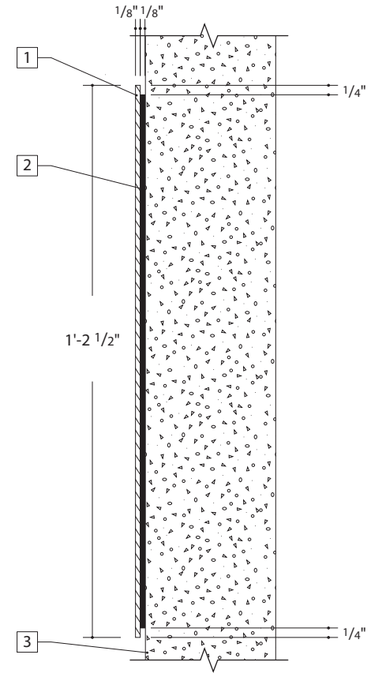
2 Panel mounted to wall with 1/8" thick VHB adhesive tape, in-set VHB 1/4" from all edges, provide additional clear silicone adhesive to keep mounting detail permanent

3 Fabricator to verify existing wall conditions prior to shop drawings, and inform designer and client of any issues that will affect design intent

1 Callouts
scale: 3" = 1'-0"



2 Layout
scale: 3" = 1'-0"



3 Wall-mounted Detail – Side Section
scale: 3"=1'-0"

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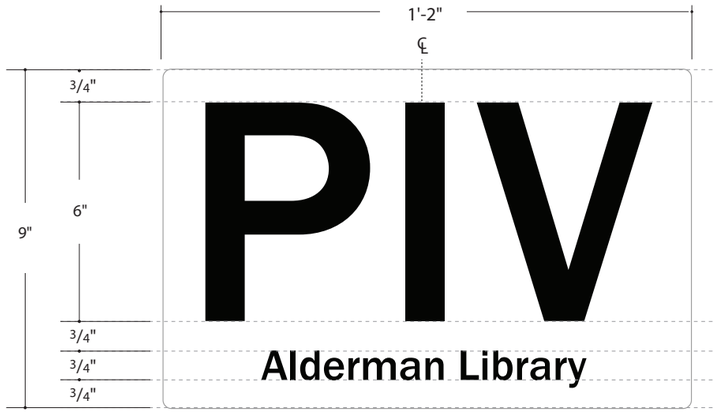
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		3" = 1'		8.9

REG 6 and REG 6B – PIV

1 Callouts (REG 6)
scale: 3" = 1'-0"

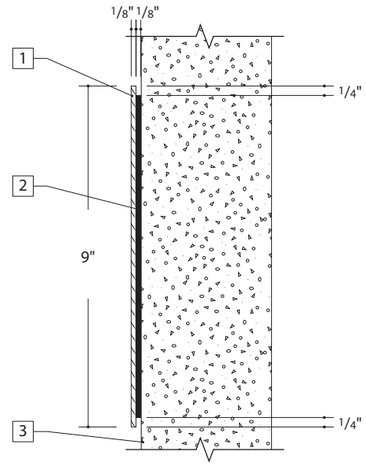


2 Layout (REG 6)
scale: 3" = 1'-0"

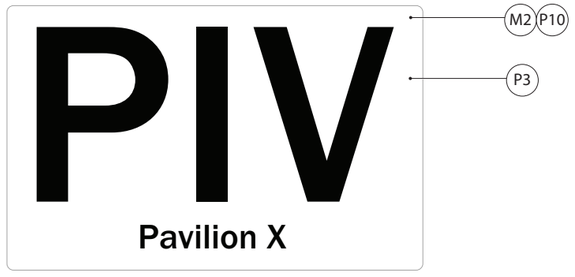
1 1/8" thick painted aluminum panel with digitally printed graphics

2 Panel mounted to wall with 1/8" thick VHB adhesive tape, in-set VHB 1/4" from all edges, provide additional clear silicone adhesive to keep mounting detail permanent

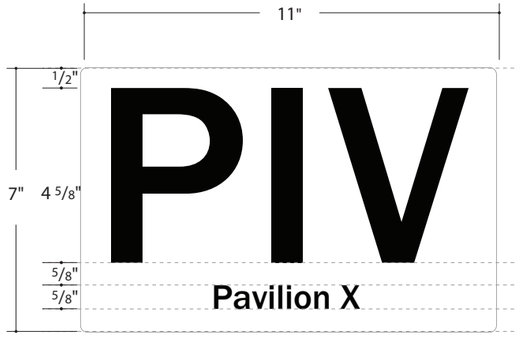
3 Fabricator to verify existing wall conditions prior to shop drawings, and inform designer and client of any issues that will affect design intent



5 Wall-mounted Detail – Side Section
scale: 3"=1'-0"



3 Callouts (REG 6B)
scale: 3" = 1'-0"



4 Layout (REG 6B)
scale: 3" = 1'-0"

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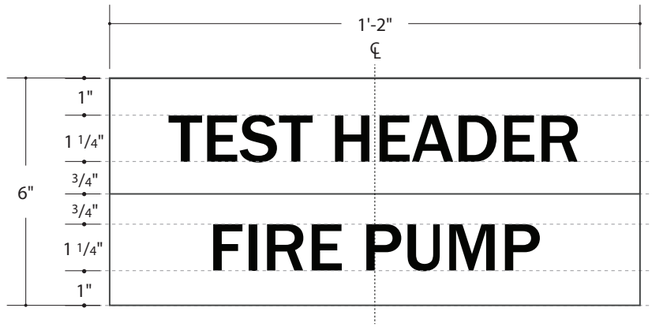
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		3" = 1'		8.1

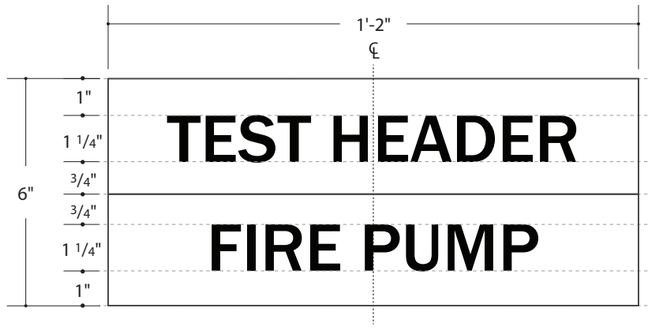
REG 7 and REG 7B – Test Header

1 Callouts (REG 7)
scale: 3" = 1'-0"

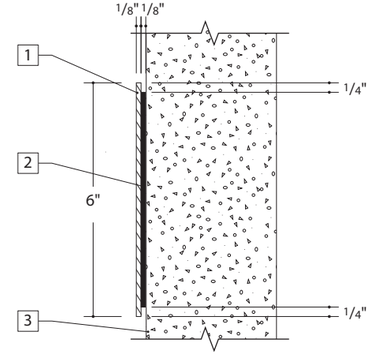


2 Layout (REG 7)
scale: 3" = 1'-0"

3 Callouts (REG 7B)
scale: 3" = 1'-0"



4 Layout (REG 7B)
scale: 3" = 1'-0"



5 Wall-mounted Detail – Side Section
scale: 3"=1'-0"

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Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		As Noted		8.2

Section **9 Arrival Signage**

WEL 1 - Welcome Sign

scale: 1" = 1'-0"

WEL 1

Welcome Gateway / Grounds Intro

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Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		1" = 1'		9.1

1 Callouts
scale: 3/4" = 1'-0"

2 Layout
scale: 3/4" = 1'-0"

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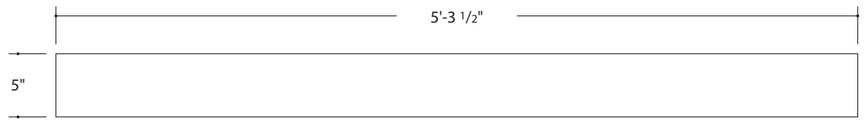
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		1" = 1'		9.2

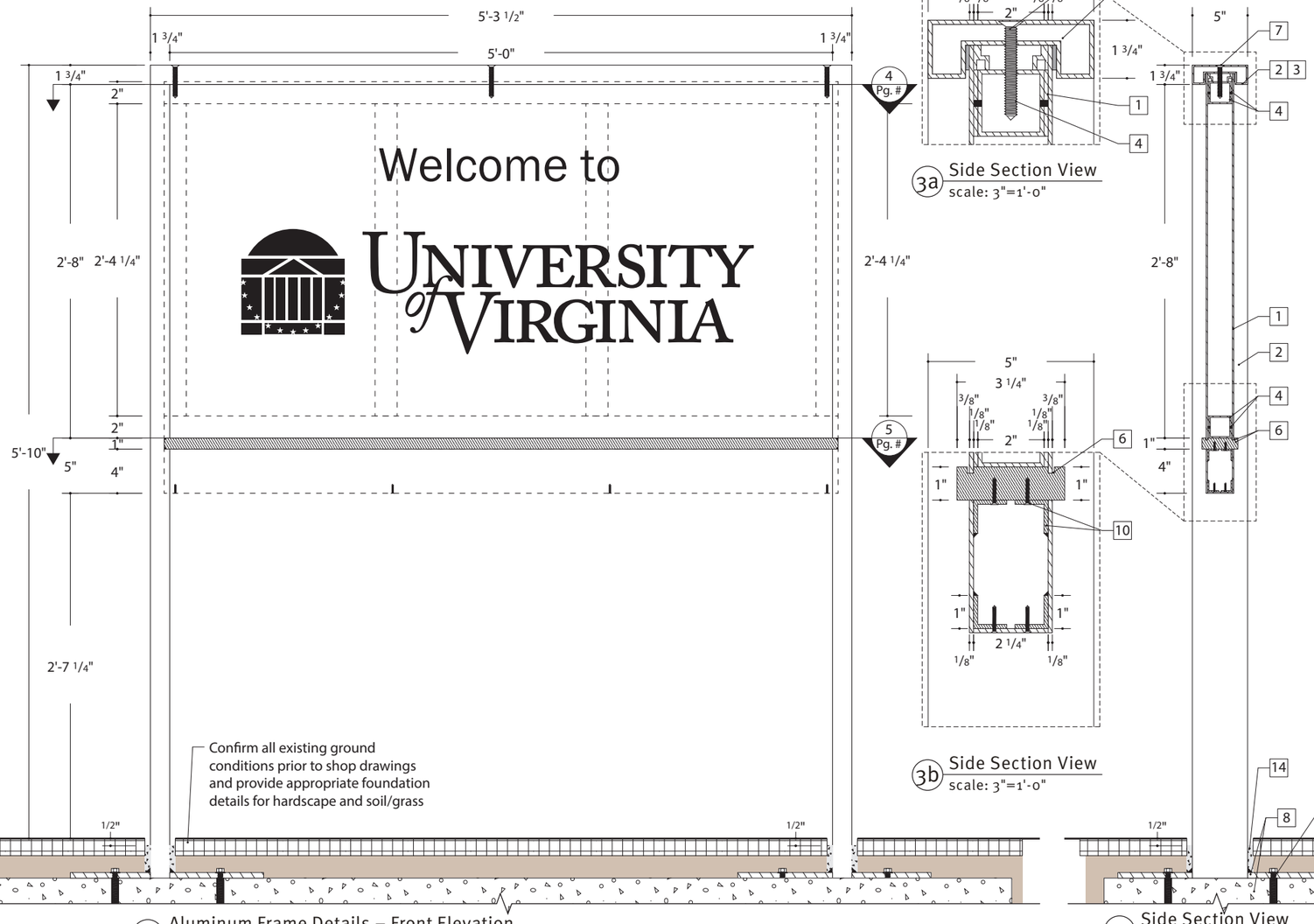
WEL 1 - Layout

UNIVERSITY of VIRGINIA

9. Arrival / Area Signage



1 Front Elevation (double-faced) – Plan View
scale: 1"=1'-0"



2 Aluminum Frame Details – Front Elevation
scale: 1"=1'-0"

3a Side Section View
scale: 3"=1'-0"

3b Side Section View
scale: 3"=1'-0"

3 Side Section View
scale: 1"=1'-0"

1 Removable 1/8" painted aluminum sign face, with digitally printed graphics and cut reflective vinyl applied to the surface

2 3" x 5" aluminum extrusion with channels to allow removable message panel to slide out vertically

3 Removable 3" x 5" aluminum extrusion (top extrusion) fastened to 2" x 2" aluminum tube frame with countersunk fasteners painted to match adajcent surface

4 2" x 2" aluminum tube frame with 1/8" thick aluminum strip plug welded to tube; weld tube frame together and fillet weld to vertical aluminum extrusions; grind down all welds to be smooth and seamless

5 Router-cut holes in vertical aluminum extrusion and insert aluminum frame's horizontal tubes, fillet weld horizontal tubes to aluminum extrusion; grind down all welds to be smooth and seamless

6 3 1/4" wide by 1" thick aluminum bar (painted oranege) with router-cut channel to allow removable panels to sit in place; account for material tolerances for a smooth fit

7 Drill and tap aluminum structure for countersunk mechanical fasteners, fasteners to be set 1/16" below surface of aluminum, paint fasteners to match adjacent surface

8 Poured concrete foundation with appropriate match plate details, sign fabricator to provide engineered foundation details sealed by a certified engineer, verify existing conditions in field and inform designer and client of any issues that will affect design intent

9 Match plate connection to be below grade and hidden from view

10 Removable 1" x 1" aluminum angles fillet welded to aluminum panel and mounted to aluminum bar with countersunk tamper-proof fasteners

11 Fillet weld 1/4" thick aluminum cap onto the end of of aluminum tube frame; fasten tube frame to vertical aluminum extrusion with tamper-proof countersunk mechanical fasteners, paint fasteners to match adjacent surface

12 Provide black neoprene pad in channel for removable panels to fit tightly in channel

13 Provide 1/2" wide expansion joint (gray) between adjacent hardscape surface and sign structure; no expansion joint necessary at soil/grass locations

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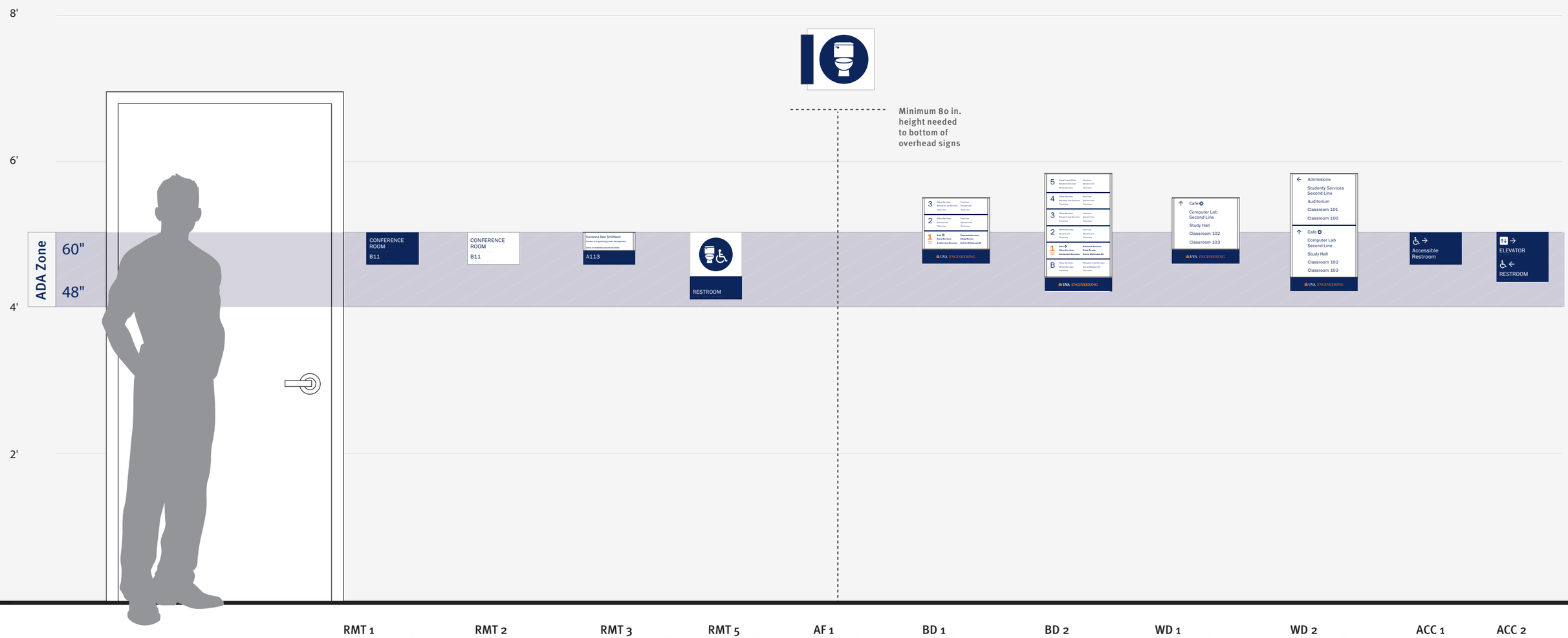
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding Study	23UVA167002	04.11.24		1" = 1'		9.3

Section **10 Interior Signage**

Interior Sign Type - Overview

Common ceiling at 8' – 6"



RMT 1
Tactile Front of House Room ID

RMT 2
Tactile Back of House Room ID

RMT 3
Tactile Room ID with Insert

RMT 5
Amenity ID

AF 1
Amenity Flag

BD 1
Small Elevator Building Directory

BD 2
Large Elevator Building Directory

WD 1
Small Wall Directional

WD 2
Large Wall Directional

ACC 1
Small Accessible Directional

ACC 2
Large Accessible Directional

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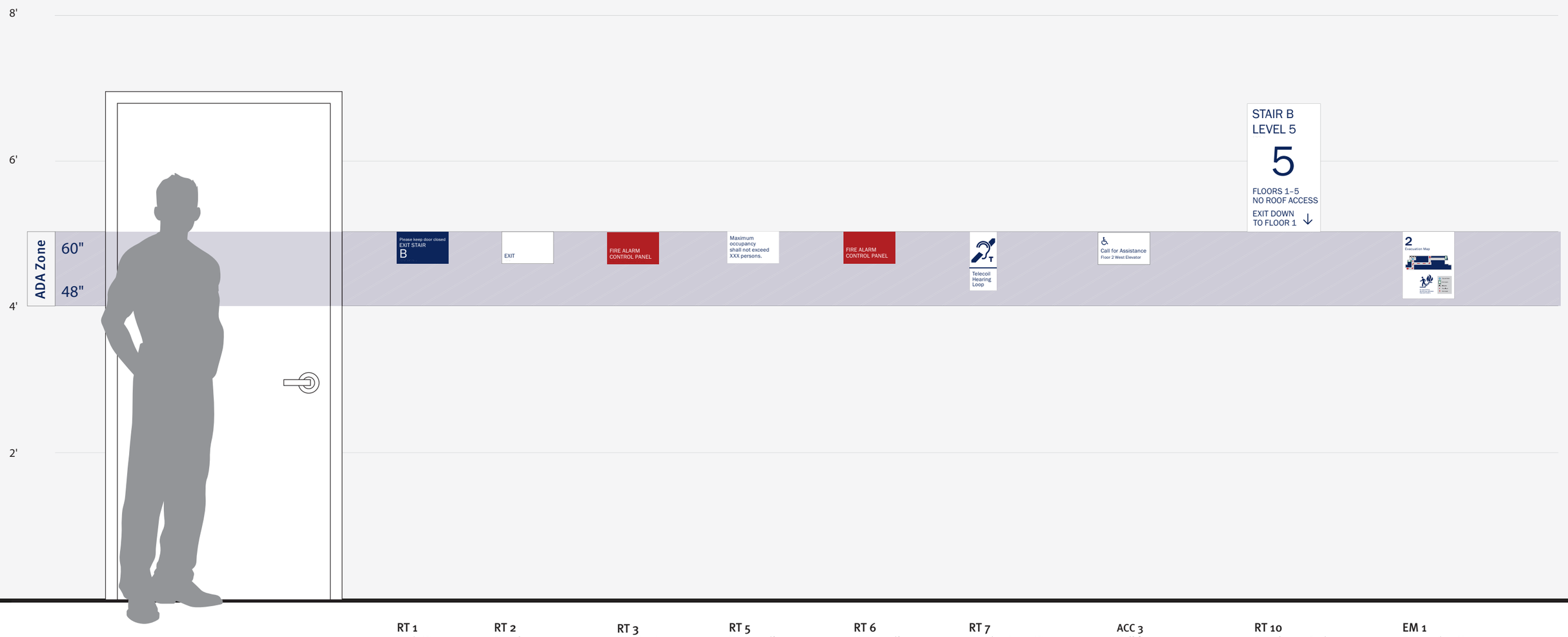
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding	23UVA167002	04.11.24		3/4" = 1'		10.1

Interior Sign Type - Overview, Continued

Common ceiling at 8' – 6"



RT 1
Stair ID

RT 2
Regulatory Tactile

RT 3
Tactile Fire Control Panel

RT 5
Non-tactile Regulatory

RT 6
Non-tactile Control Panel

RT 7
Hearing Loop ID

ACC 3
Call for Assistance

RT 10
Regulatory Stair Occupancy

EM 1
Evacuation Map

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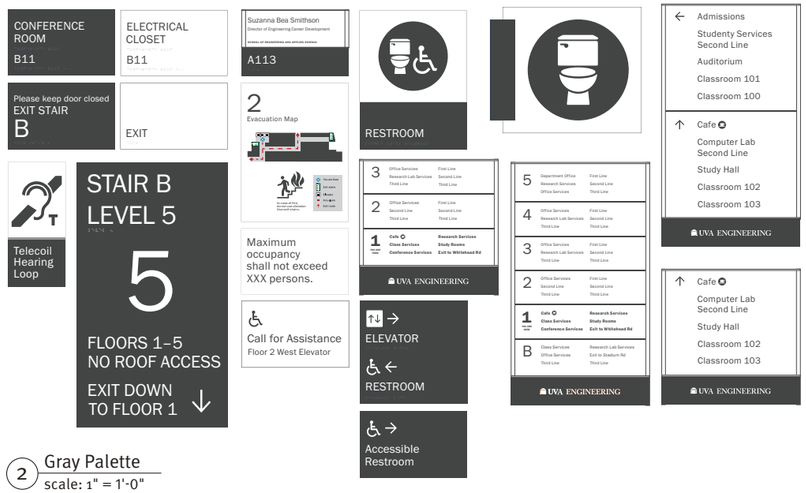
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding	23UVA167002	04.11.24		3/4" = 1'		10.2

Interior Color Palettes

1 Standard Palette
scale: 1" = 1'-0"

3 Historic Palette
scale: 1" = 1'-0"



2 Gray Palette
scale: 1" = 1'-0"

4 Athletics Palette
scale: 1" = 1'-0"

How / When to Use:

1. Standard Palette to be used as the default unless the location falls into a category below. Palette use is to be approved by the Office of the Architect.
2. Gray Palette to be used in contemporary construction where the standard brand colors do not fit the architectural palette.
3. Historic Palette is to be used in historic buildings, primarily within the Academical Village.
4. Athletics Palette is to be used in Athletics buildings only.

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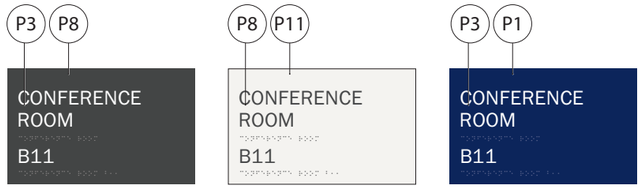
Client/Project	Project No.	Date	Revisions	Scale	Notes	Page Number
University of Virginia Signage and Wayfinding	23UVA167002	04.11.24		1" = 1'		10.3

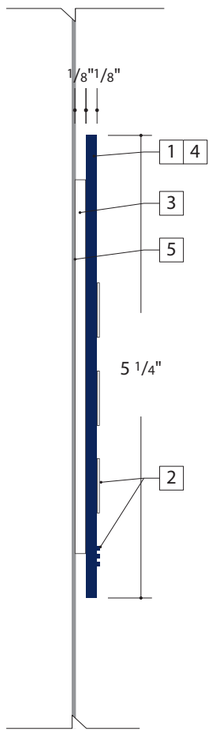
RMT 1 - Tactile Front of House Room ID



Gray Palette | Historic Palette | Athletics Palette

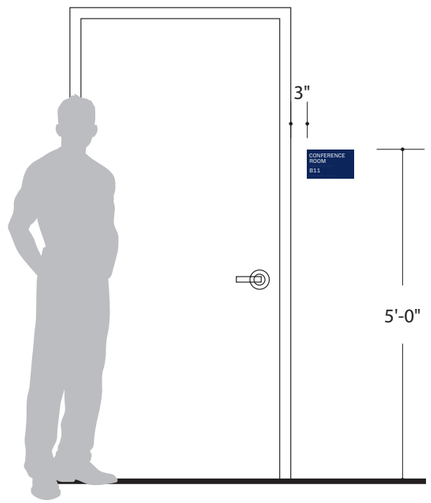
1 RMT 1 Plan
scale: 6" = 1'-0"

2 RMT 1 Elevation (Standard Palette)
scale: 6" = 1'-0"



3 RMT 1 Sideview
scale: 6" = 1'-0"

1. 1/8" thick painted, photopolymer with ADA required raised text and grade 2 Braille (Braille same as background color)
2. ADA required raised text to be hot stamped to match specified color
3. Panel mounted to existing wall with 1/8" thick VHB adhesive strips in-set 1/4" from all edges, fabricator to verify existing wall finish and wall conditions prior to shop drawings
4. All cut panels to be free of saw/cut marks, sand down returns to a smooth and level surface before applying specified paint onto returns
5. For glass-mounted conditions, provide vinyl backer that matches the size of the sign, apply on first surface of glass, and mount sign to vinyl to hide VHB strip



4 RMT 1 Elevation – Typical corridor
scale: 3/8" = 1'-0"

How / When to Use:

1. To be used at destinations which are accessed by the public.

This drawing represents design intent only. All measurements and installation guidelines are approximate.

Sign fabricator will be responsible for:

- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

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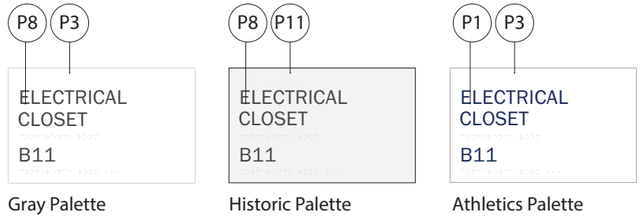
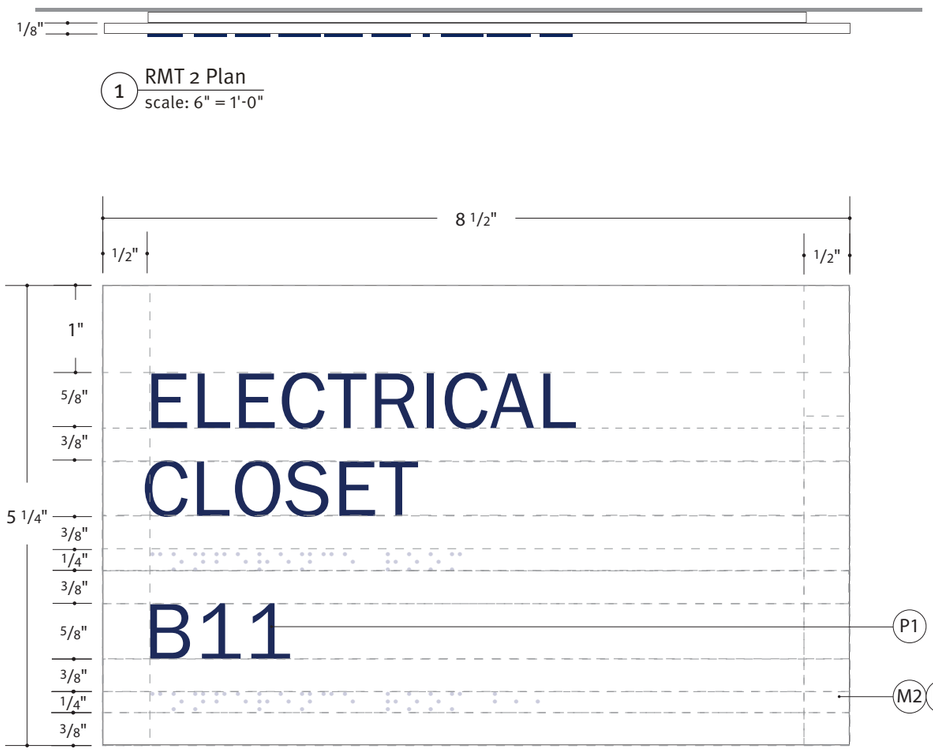
RMT 2 - Tactile Back of House Room ID

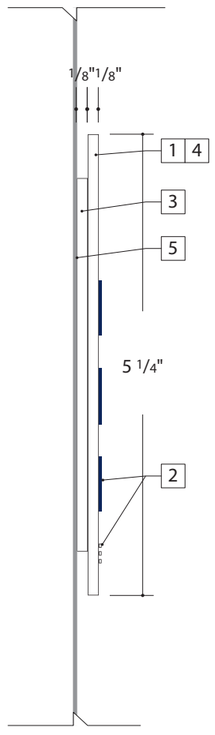


Gray Palette | Historic Palette | Athletics Palette



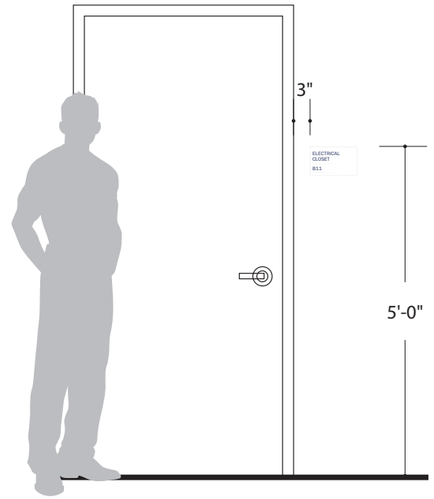
1 RMT 2 Plan
scale: 6" = 1'-0"

2 RMT 1 Elevation (Standard Palette)
scale: 6" = 1'-0"



3 RMT 2 Sideview
scale: 6" = 1'-0"

1. 1/8" thick painted, photopolymer with ADA required raised text and grade 2 Braille (Braille same as background color)
2. ADA required raised text to be hot stamped to match specified color
3. Panel mounted to existing wall with 1/8" thick VHB adhesive strips in-set 1/4" from all edges, fabricator to verify existing wall finish and wall conditions prior to shop drawings
4. All cut panels to be free of saw/cut marks, sand down returns to a smooth and level surface before applying specified paint onto returns
5. For glass-mounted conditions, provide vinyl backer that matches the size of the sign, apply on first surface of glass, and mount sign to vinyl to hide VHB strip



4 RMT 2 Elevation – Typical corridor
scale: 3/8" = 1'-0"

How / When to Use:

1. To be used at destinations that are not for public use. The intention is that they recede into the interiors and there for aide in wayfinding to public destinations.

This drawing represents design intent only. All measurements and installation guidelines are approximate.

Sign fabricator will be responsible for:

- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

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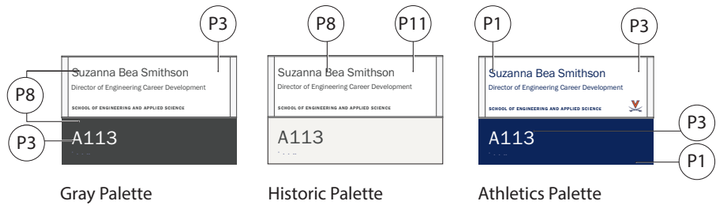
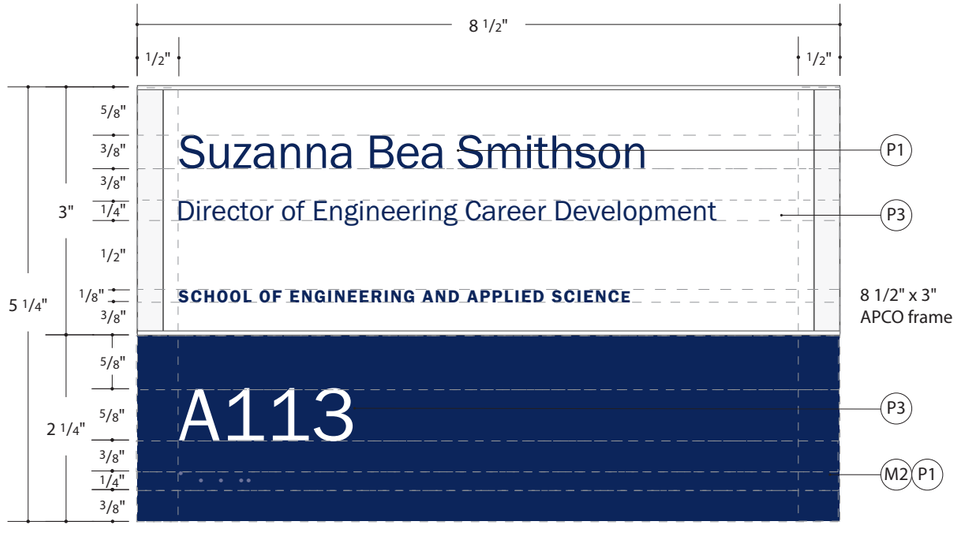
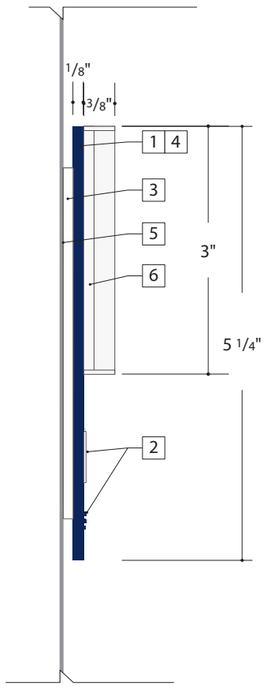
RMT 3 - Tactile Room ID w/ Insert



1 RMT 3 Plan
scale: 6" = 1'-0"



2 RMT 3 Elevation (Standard Palette)
scale: 6" = 1'-0"



3 RMT 3 Sideview
scale: 6" = 1'-0"

1 1/8" thick painted, photopolymer with ADA required raised text and grade 2 Braille (Braille same as background color)

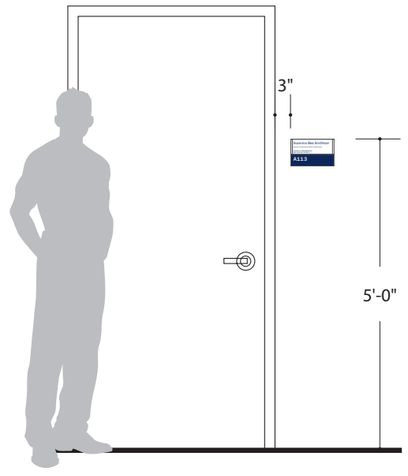
2 ADA required raised text to be hot stamped to match specified color

3 Panel mounted to existing wall with 1/8" thick VHB adhesive strips in-set 1/4" from all edges, fabricator to verify existing wall finish and wall conditions prior to shop drawings

4 All cut panels to be free of saw/cut marks, sand down returns to a smooth and level surface before applying specified paint onto returns

5 For glass-mounted conditions, provide vinyl backer that matches the size of the sign, apply on first surface of glass, and mount sign to vinyl to hide VHB strip

6 APCO insert module mounted to panel with clear 1/16" thick VHB adhesive



4 RMT 3 Elevation – Typical corridor
scale: 3/8" = 1'-0"

This drawing represents design intent only. All measurements and installation guidelines are approximate.

Sign fabricator will be responsible for:

- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

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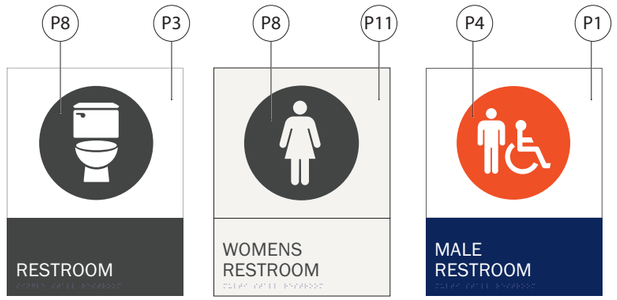
04.11.24		Multiple	10.6

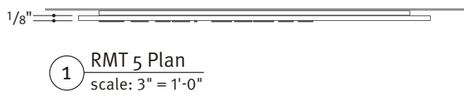
RMT 5 - Amenity ID



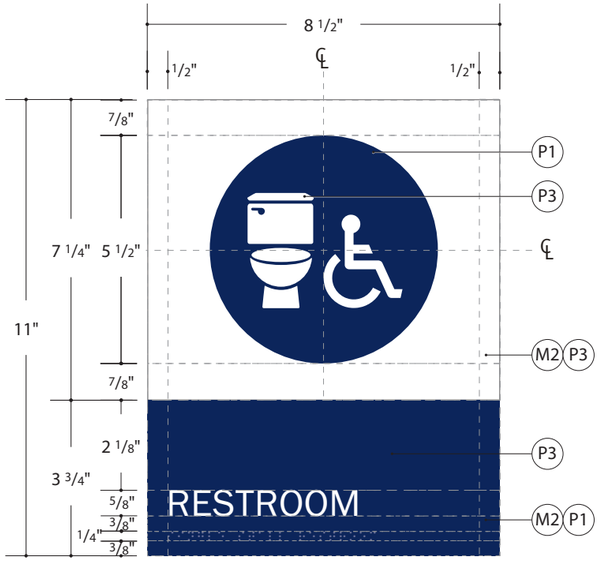
Alternate layout in Gray Palette

Alternate layout in Historic Palette

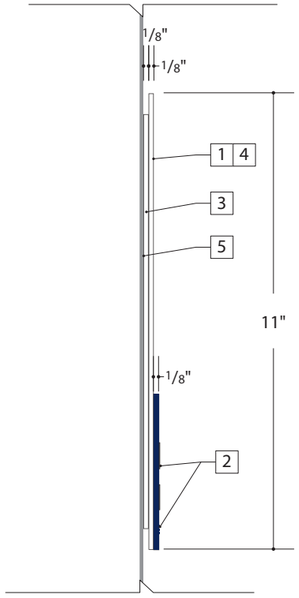
Alternate layout in Athletics Palette



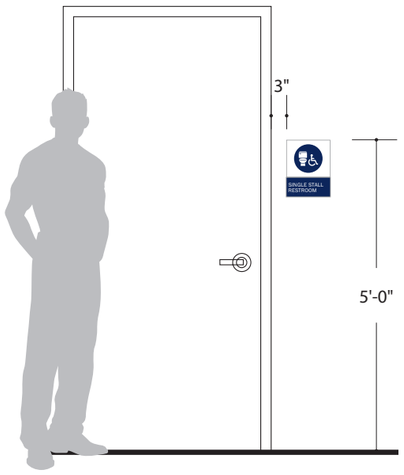
1 RMT 5 Plan
scale: 3" = 1'-0"



2 RMT 5 Elevation (Standard Palette)
scale: 3" = 1'-0"



3 RMT 5 Sideview
scale: 3" = 1'-0"



4 RMT 5 Elevation – Typical corridor
scale: 3/8" = 1'-0"

1. 1/8" thick painted, photopolymer with ADA required raised text and grade 2 Braille (Braille same as background color)
2. ADA required raised text to be hot stamped to match specified color
3. Panel mounted to existing wall with 1/8" thick VHB adhesive strips in-set 1/4" from all edges, fabricator to verify existing wall finish and wall conditions prior to shop drawings
4. All cut panels to be free of saw/cut marks, sand down returns to a smooth and level surface before applying specified paint onto returns
5. For glass-mounted conditions, provide vinyl backer that matches the size of the sign, apply on first surface of glass, and mount sign to vinyl to hide VHB strip

How / When to Use:

1. If restrooms are non-gender specific, the toilet icon should be used and the message should state if the room is a "Single Stall Restroom" or a "Multi Stall Restroom" only. If that room is accessible as well, the Toilet + accessible icon should be used.
2. If it is necessary to specify gender usage, the message should read "Womens Restroom" or "Mens Restroom" and not list information for single/multi stall. If the restroom is also accessible, the accessible icon would accompany the man or woman symbol.
3. RMT5 sign always required adjacent to each restroom door.
4. When the existing restrooms are NOT accessible, a directional sign shall be provided indicating the location of the nearest accessible restroom.

This drawing represents design intent only. All measurements and installation guidelines are approximate.

Sign fabricator will be responsible for:

- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

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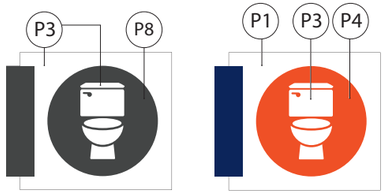
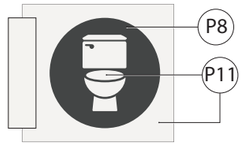
AF 1 - Amenity Flag

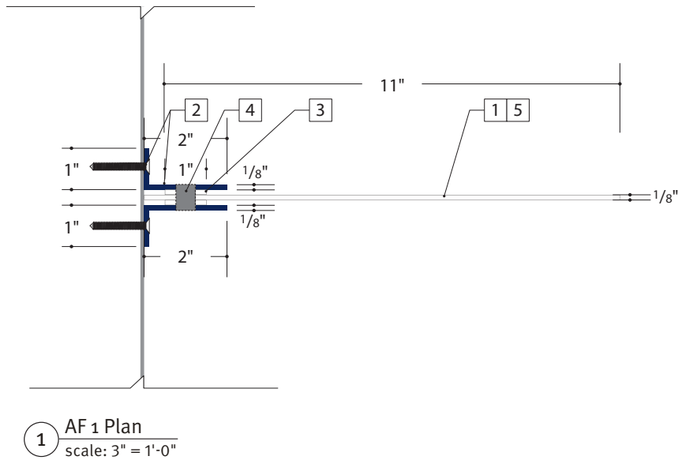


Gray Palette

Athletics Palette

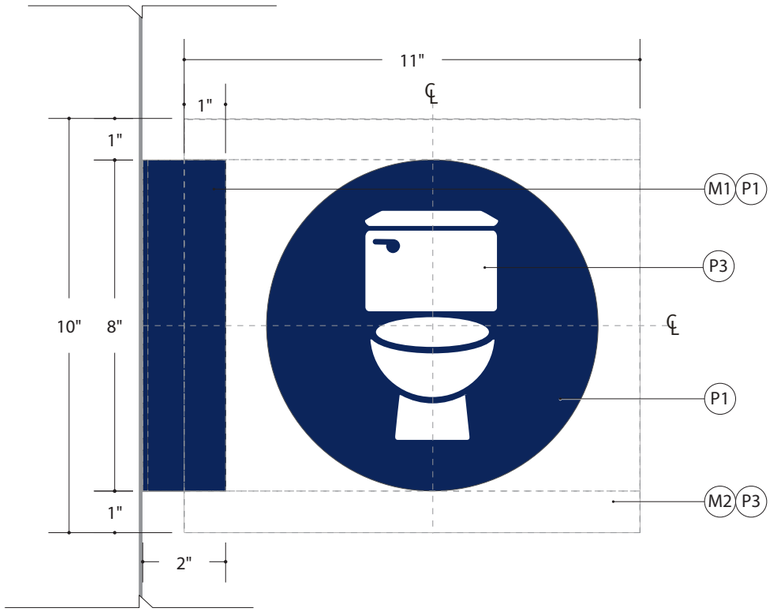


Historic Palette

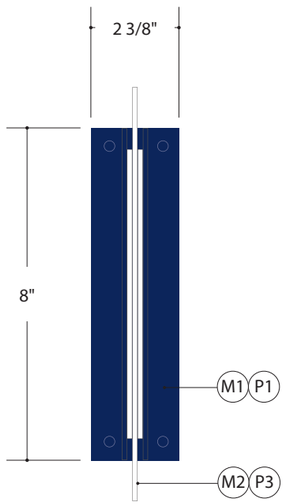


1 AF 1 Plan
scale: 3" = 1'-0"

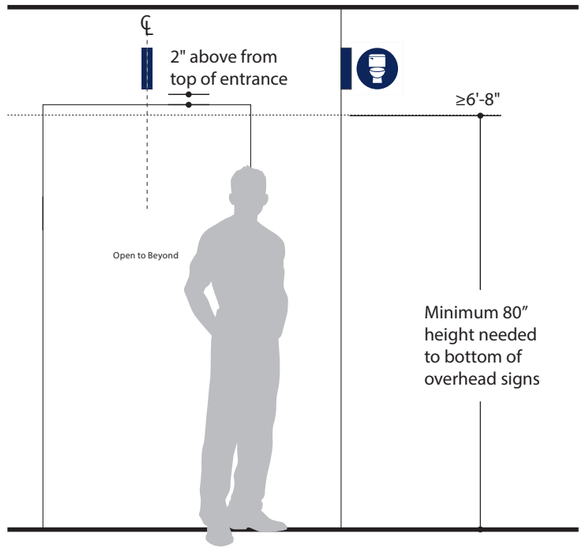
1. 1/8" thick painted aluminum panel flag-mounted to wall substrate
2. 2" x 1" x 1/8" thick aluminum angle mounted to wall substrate with appropriate dry-wall anchors fabricator to verify existing wall finish and wall conditions prior to shop drawings
3. Provide 1/8" thick aluminum spacer between panel and angle
4. Plug-weld aluminum panel to aluminum angles, grind down all welds to be smooth and seamless
5. All cut panels to be free of saw/cut marks, sand down returns to a smooth and level surface before applying specified paint onto returns



2 AF 1 Elevation (Standard Palette)
scale: 3" = 1'-0"



3 AF 1 Sideview
scale: 6" = 1'-0"



4 AF 1 Elevation – Typical corridor
scale: 3/8" = 1'-0"

How / When to Use:

1. The Restroom Flag signs are typically used where restroom entrances are set back from the path of travel. RMT5 sign always required adjacent to each restroom door.
2. These signs can only be used where there is a ceiling height of 94" or more and should be centered over the opening.
3. Where ceiling-mounting is not possible in the center above the opening, this sign type can be placed at the side of the entrance.

This drawing represents design intent only. All measurements and installation guidelines are approximate.

Sign fabricator will be responsible for:

- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

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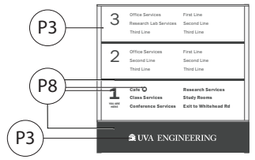
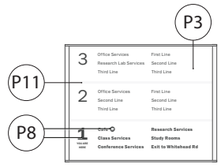
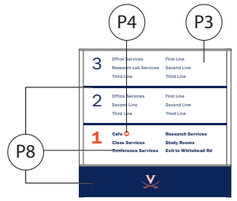
BD 1 - Small Elevator Building Directory ID



Gray Palette

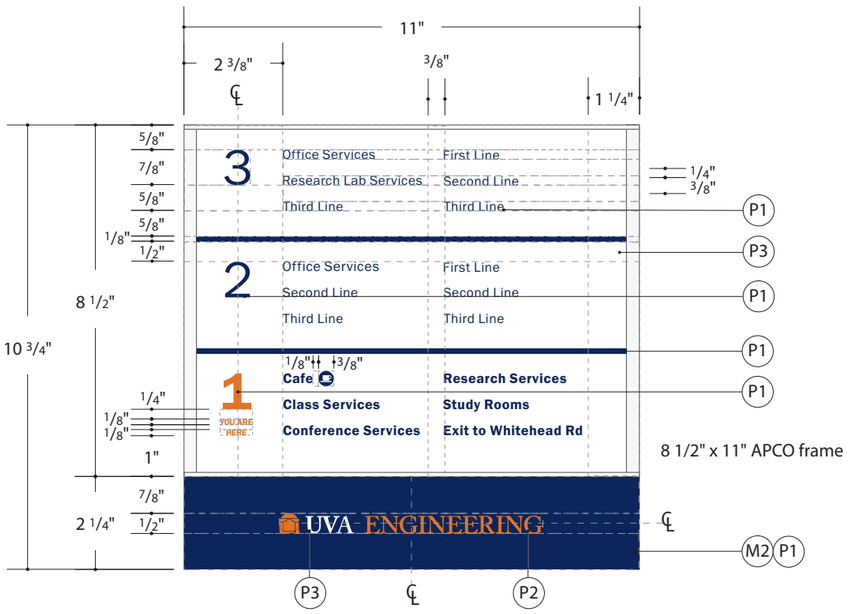


Historic Palette

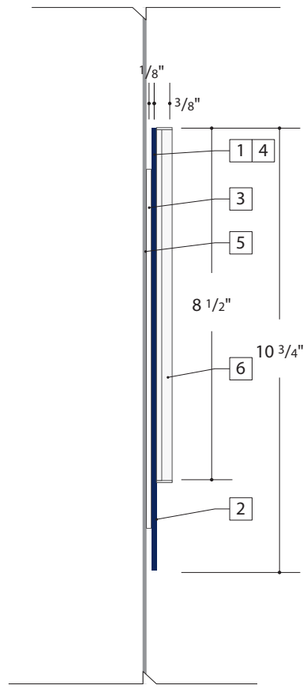


Athletics Palette

1 BD 1 Plan
scale: 3" = 1'-0"



2 BD 1 Elevation (Standard Palette)
scale: 3" = 1'-0"



3 BD 1 Sideview
scale: 3" = 1'-0"

1 1/8" thick painted acrylic panel

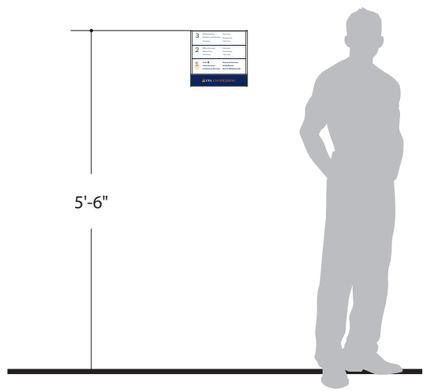
2 Painted graphics

3 Panel mounted to existing wall with 1/8" thick VHB adhesive strips in-set 1/4" from all edges, fabricator to verify existing wall finish and wall conditions prior to shop drawings

4 All cut panels to be free of saw/cut marks, sand down returns to a smooth and level surface before applying specified paint onto returns

5 For glass-mounted conditions, provide vinyl backer that matches the size of the sign, apply on first surface of glass, and mount sign to vinyl to hide VHB strip

6 APCO insert module mounted to panel with clear 1/16" thick VHB adhesive



4 BD 1 Elevation – Typical mounting height
scale: 3/8" = 1'-0"

How / When to Use:

1. To be used at elevators that service less than 3 floors.

This drawing represents design intent only. All measurements and installation guidelines are approximate.

Sign fabricator will be responsible for:

- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

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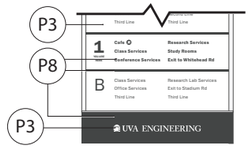
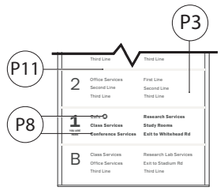
BD 2 - Large Elevator Building Directory ID

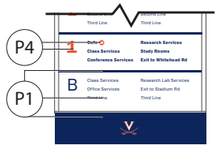
1 BD 2 Plan
scale: 3" = 1'-0"



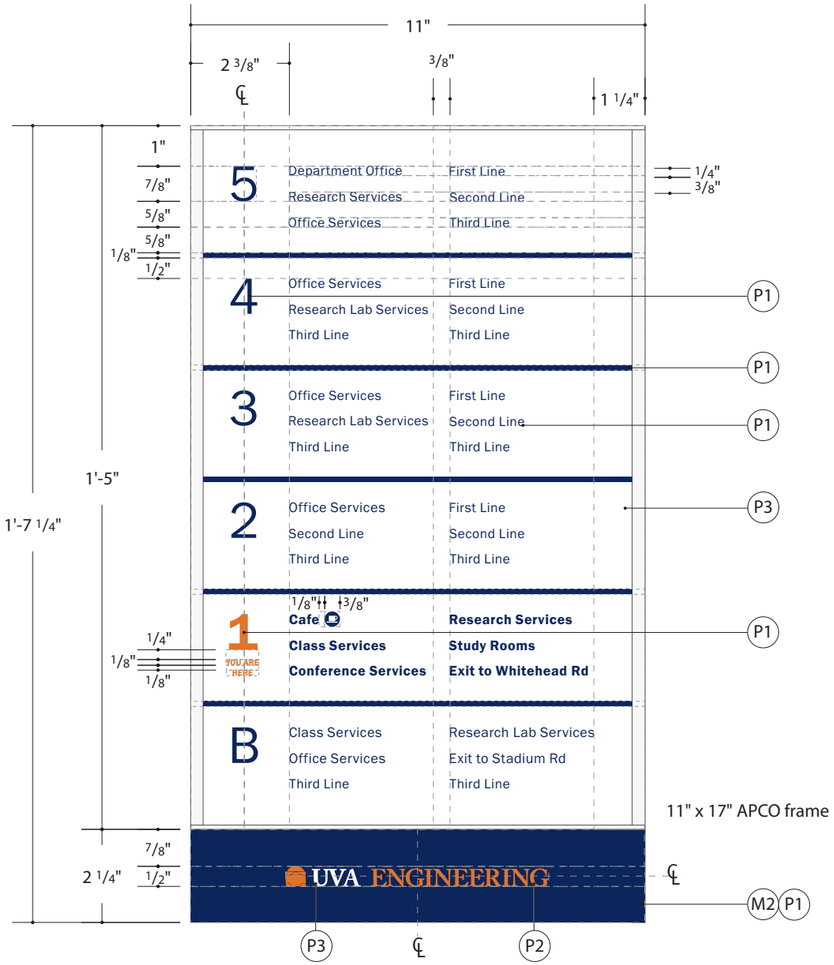
Gray Palette



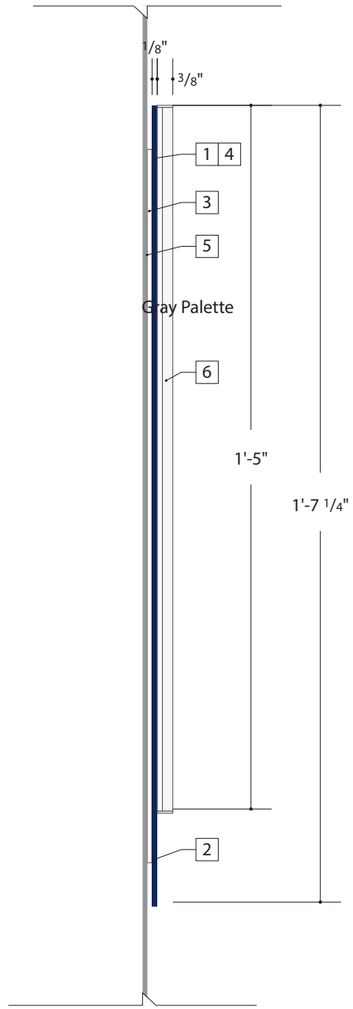
Historic Palette



Athletics Palette

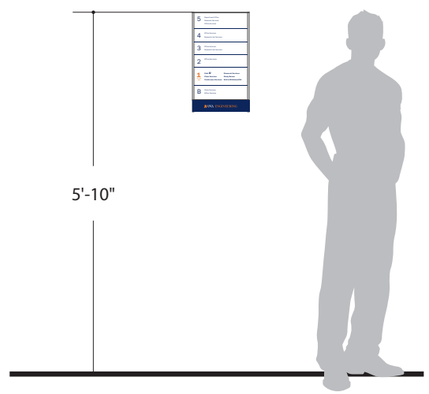


2 BD 2 Elevation (Standard Palette)
scale: 3" = 1'-0"



3 BD 2 Sideview
scale: 3" = 1'-0"

1. 1/8" thick painted acrylic panel
2. Painted graphics
3. Panel mounted to existing wall with 1/8" thick VHB adhesive strips in-set 1/4" from all edges, fabricator to verify existing wall finish and wall conditions prior to shop drawings
4. All cut panels to be free of saw/cut marks, sand down returns to a smooth and level surface before applying specified paint onto returns
5. For glass-mounted conditions, provide vinyl backer that matches the size of the sign, apply on first surface of glass, and mount sign to vinyl to hide VHB strip
6. APCO insert module mounted to panel with clear 1/16" thick VHB adhesive



4 BD 2 Elevation – Typical mounting height
scale: 3/8" = 1'-0"

How / When to Use:

1. To be used at elevators that service more than 3 floors.

This drawing represents design intent only. All measurements and installation guidelines are approximate.

Sign fabricator will be responsible for:

- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

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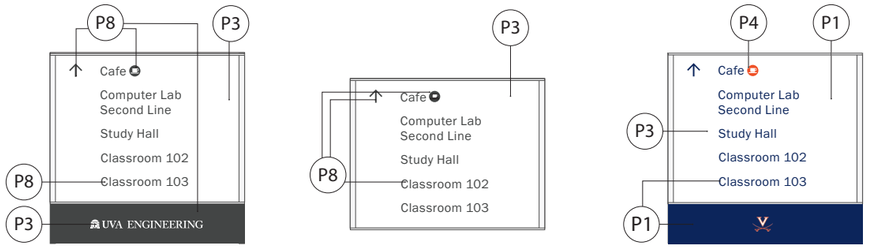
WD 1 - Small Wall Directional

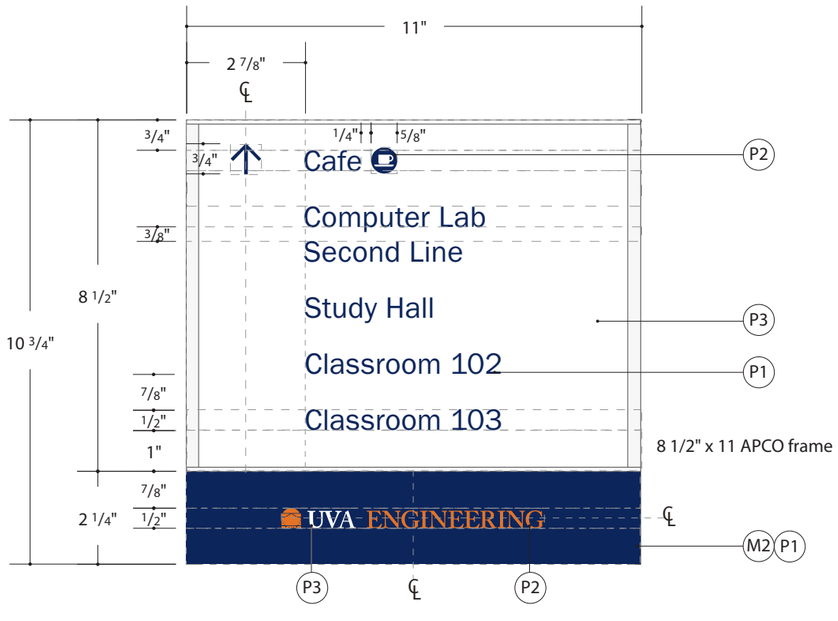


Gray Palette

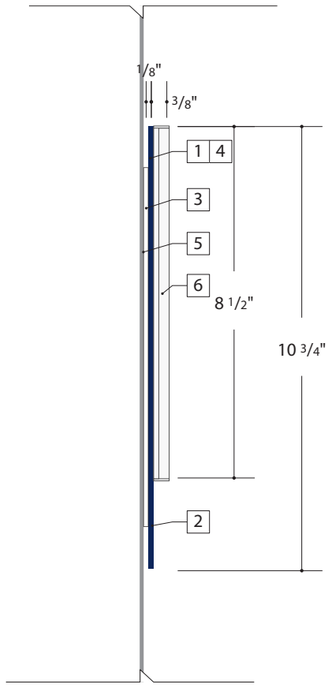
Historic Palette

Athletics Palette

1 WD 1 Plan
scale: 3" = 1'-0"

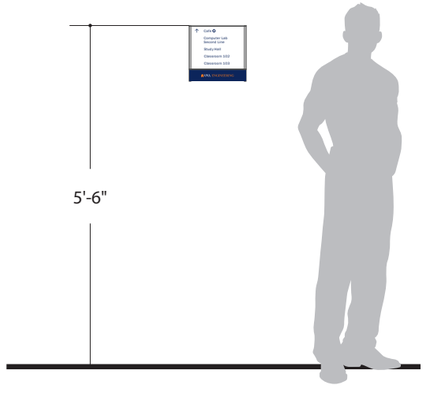


2 WD 1 Elevation (Standard Palette)
scale: 3" = 1'-0"



3 WD 1 Sideview
scale: 3" = 1'-0"

1. 1/8" thick painted acrylic panel
2. Painted graphics
3. Panel mounted to existing wall with 1/8" thick VHB adhesive strips in-set 1/4" from all edges, fabricator to verify existing wall finish and wall conditions prior to shop drawings
4. All cut panels to be free of saw/cut marks, sand down returns to a smooth and level surface before applying specified paint onto returns
5. For glass-mounted conditions, provide vinyl backer that matches the size of the sign, apply on first surface of glass, and mount sign to vinyl to hide VHB strip
6. APCO insert module mounted to panel with clear 1/16" thick VHB adhesive



4 WD 1 Elevation – Typical mounting height
scale: 3/8" = 1'-0"

How / When to Use:

1. To be used at interior decision points where there is only one direction of travel. Typically these are used for reinforcement/confirmation.

This drawing represents design intent only. All measurements and installation guidelines are approximate.

Sign fabricator will be responsible for:

- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

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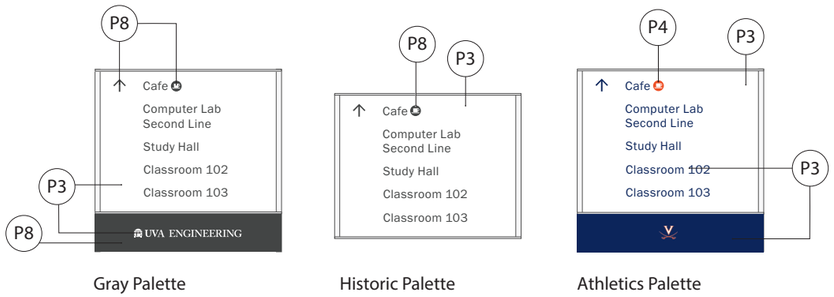
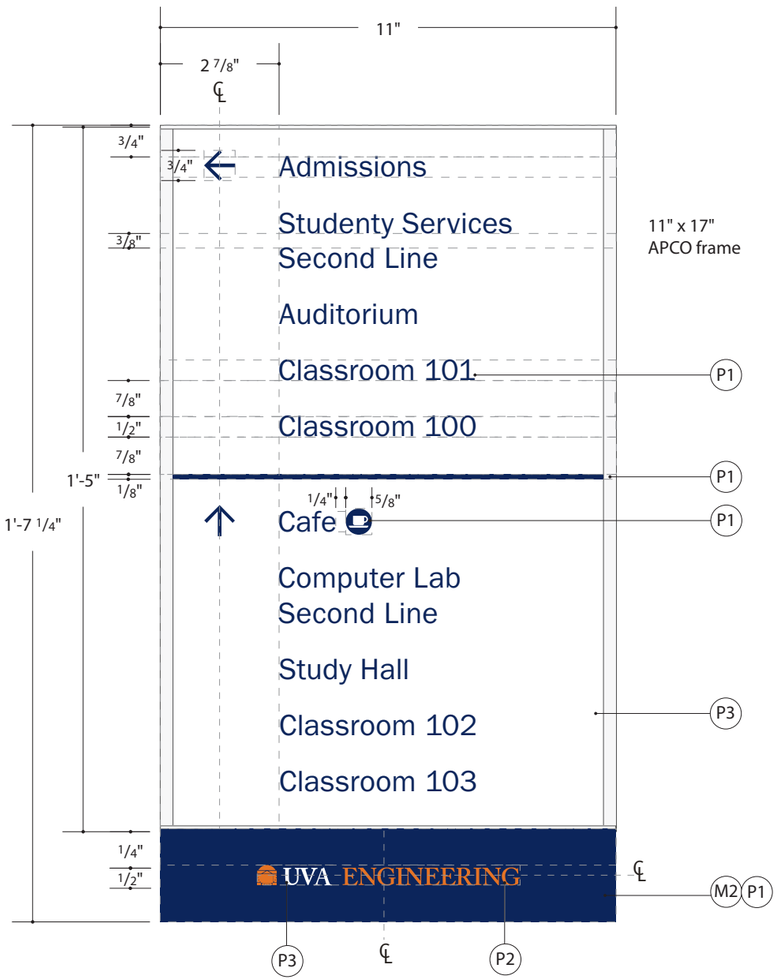
WD 2 - Large Wall Directional

1 WD 2 Plan
scale: 3" = 1'-0"

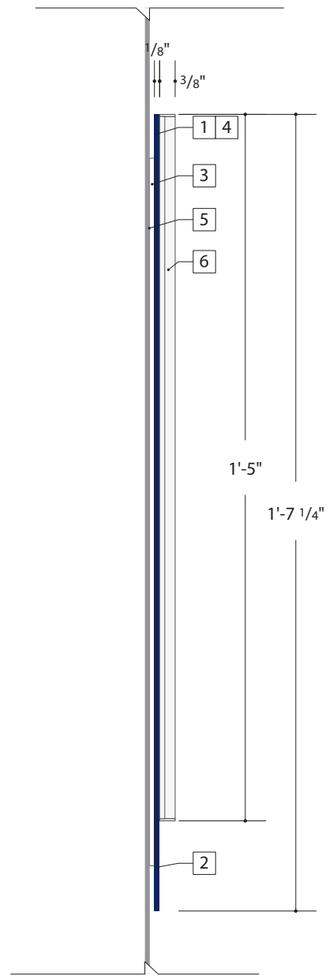


Gray Palette | Historic Palette | Athletics Palette



11" x 17"
APCO frame

2 WD 2 Elevation (Standard Palette)
scale: 3" = 1'-0"



3 WD 2 Sideview
scale: 3" = 1'-0"

1 1/8" thick painted acrylic panel

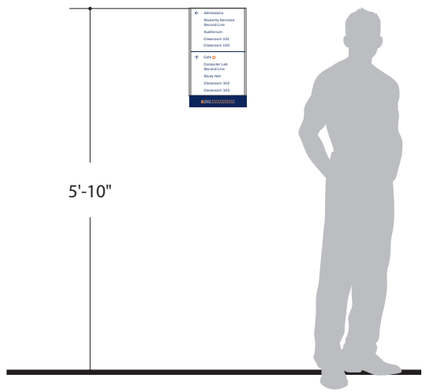
2 Painted graphics

3 Panel mounted to existing wall with 1/8" thick VHB adhesive strips in-set 1/4" from all edges, fabricator to verify existing wall finish and wall conditions prior to shop drawings

4 All cut panels to be free of saw/cut marks, sand down returns to a smooth and level surface before applying specified paint onto returns

5 For glass-mounted conditions, provide vinyl backer that matches the size of the sign, apply on first surface of glass, and mount sign to vinyl to hide VHB strip

6 APCO insert module mounted to panel with clear 1/16" thick VHB adhesive



4 WD 2 Elevation – Typical mounting height
scale: 3/8" = 1'-0"

How / When to Use:

1. To be used at interior decision points where there are more than one directions to proceed in.

This drawing represents design intent only. All measurements and installation guidelines are approximate.

Sign fabricator will be responsible for:

- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

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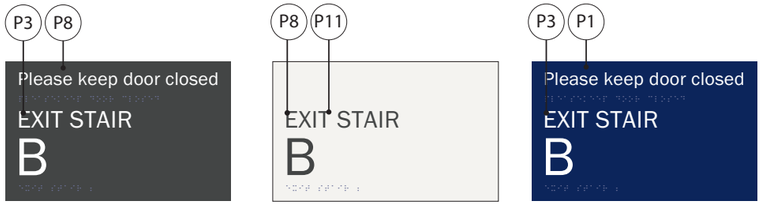
RT 1 - Stair ID



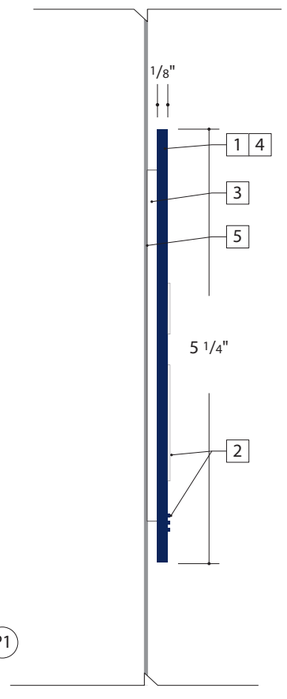
Gray Palette

Historic Palette
with alternate layout

Athletics Palette

1 RT 1 Plan
scale: 6" = 1'-0"

2 RT 1 Elevation (Standard Palette)
scale: 6" = 1'-0"



3 RT 1 Sideview
scale: 6" = 1'-0"

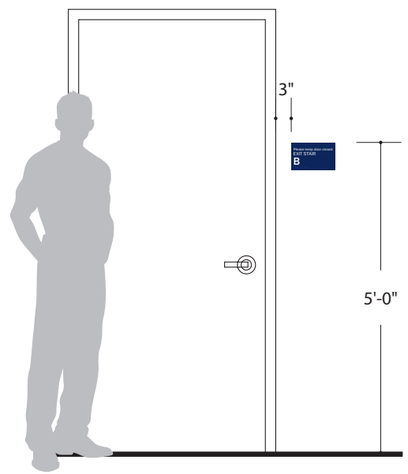
1 1/8" painted, photopolymer with ADA required raised text and grade 2 Braille (Braille same as background color)

2 ADA required raised text to be hot stamped to match specified color

3 Panel mounted to existing wall with 1/8" thick VHB adhesive strips in-set 1/4" from all edges, fabricator to verify existing wall finish and wall conditions prior to shop drawings

4 All cut panels to be free of saw/cut marks, sand down returns to a smooth and level surface before applying specified paint onto returns

5 For glass-mounted conditions, provide vinyl backer that matches the size of the sign, apply on first surface of glass, and mount sign to vinyl to hide VHB strip



4 RT 1 Elevation – Typical corridor
scale: 3/8" = 1'-0"

How / When to Use:

1. To be used on the occupancy side of stairwells in a position that is readily visible when the doors are in the open and closed positions.

2. 'Please keep door closed' information can be omitted if not needed.

This drawing represents design intent only. All measurements and installation guidelines are approximate.

Sign fabricator will be responsible for:

- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

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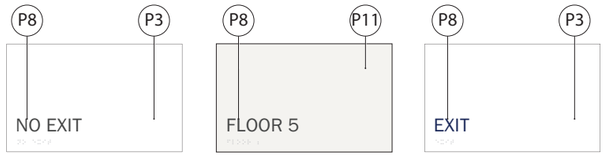
RT 2 - Regulatory Tactile



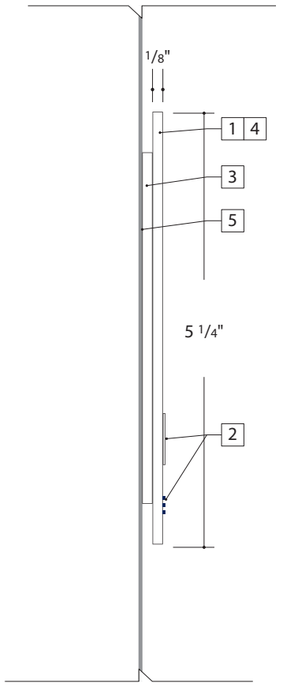
Gray Palette
with alternate message

Historic Palette
with alternate message

Athletics Palette

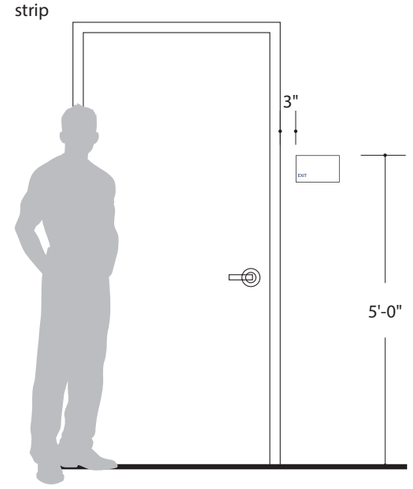
1 RT 2 Plan
scale: 6" = 1'-0"

2 RT 2 Elevation (Standard Palette)
scale: 6" = 1'-0"



3 RT 2 Sideview
scale: 6" = 1'-0"

1. 1/8" thick painted, photopolymer with ADA required raised text and grade 2 Braille (Braille same as background color)
2. ADA required raised text to be hot stamped to match specified color
3. Panel mounted to existing wall with 1/8" thick VHB adhesive strips in-set 1/4" from all edges, fabricator to verify existing wall finish and wall conditions prior to shop drawings
4. All cut panels to be free of saw/cut marks, sand down returns to a smooth and level surface before applying specified paint onto returns
5. For glass-mounted conditions, provide vinyl backer that matches the size of the sign, apply on first surface of glass, and mount sign to vinyl to hide VHB strip



4 RT 2 Elevation – Typical corridor
scale: 3/8" = 1'-0"

How / When to Use:

1. To be used at egress doors in a position that is readily visible when the doors are in the open and closed positions..
2. "NO EXIT" required on gates in exit stairs where the stair continues below the level of exit per 1023.8.
3. Floor level ID in tactile / braille are to be placed at each floor level landing of an exit stair, adjacent to the stair of the door leading from the stair into the corridor.

This drawing represents design intent only. All measurements and installation guidelines are approximate.

Sign fabricator will be responsible for:

- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

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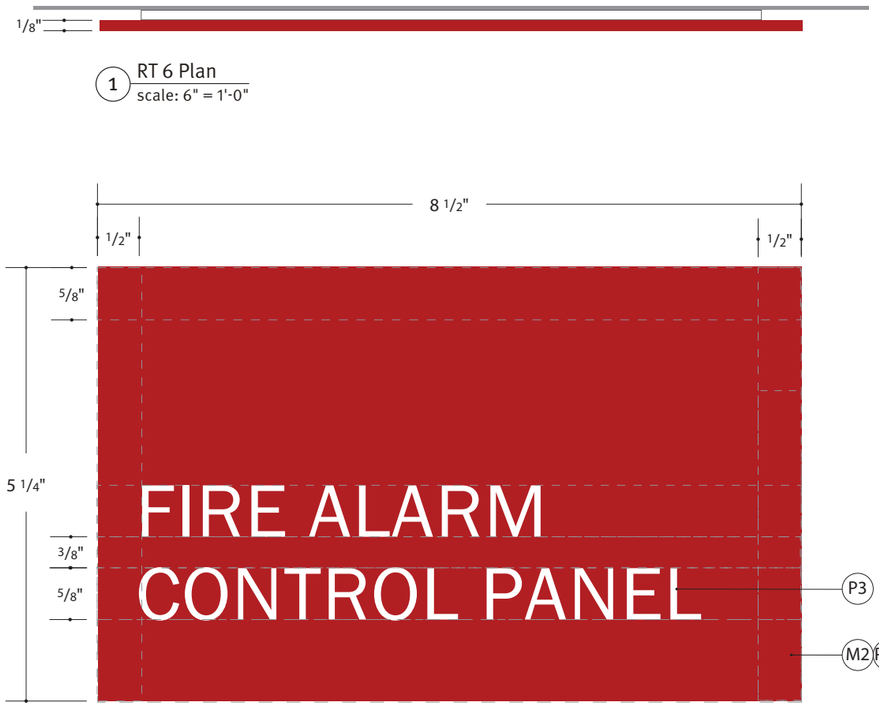
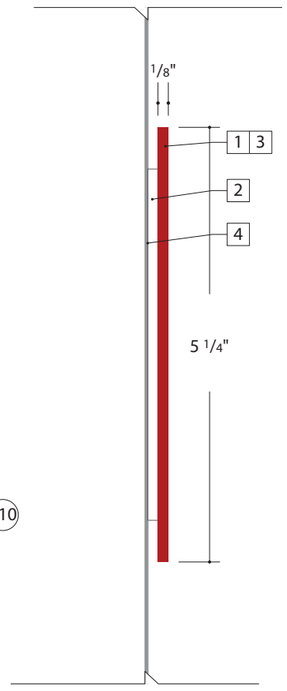
RT 6 - Non-tactile Fire Control Panel



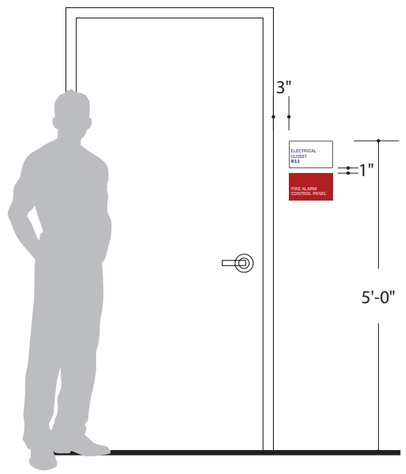
1 RT 6 Plan
scale: 6" = 1'-0"

2 RT 6 Elevation
scale: 6" = 1'-0"



3 RT 6 Sideview
scale: 6" = 1'-0"

1. 1/8" thick painted acrylic with printed graphics
2. Panel mounted to existing wall with 1/8" thick VHB adhesive strips in-set 1/4" from all edges, fabricator to verify existing wall finish and wall conditions prior to shop drawings
3. All cut panels to be free of saw/cut marks, sand down returns to a smooth and level surface before applying specified paint onto returns
4. For glass-mounted conditions, provide vinyl backer that matches the size of the sign, apply on first surface of glass, and mount sign to vinyl to hide VHB strip



4 RT 6 Elevation – Typical corridor
scale: 3/8" = 1'-0"

How / When to Use:

1. To be used in conjunction with BOH room signs and installed below where there is a Fire Alarm Control Panel within the room.

This drawing represents design intent only. All measurements and installation guidelines are approximate.

Sign fabricator will be responsible for:

- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

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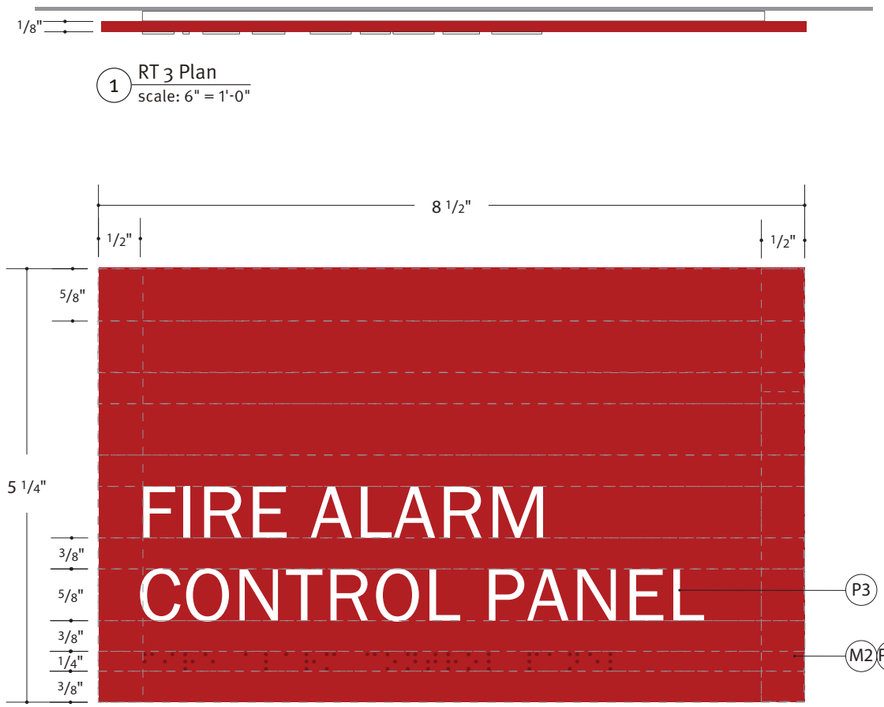
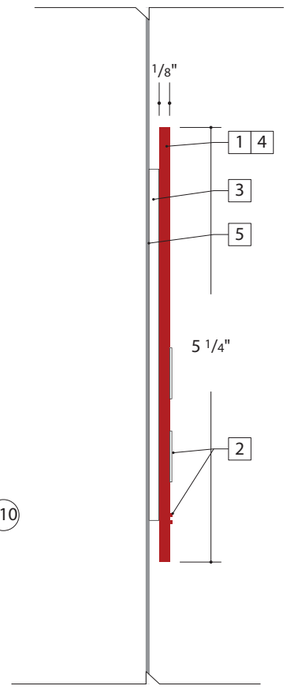
RT 3 - Tactile Fire Control Panel



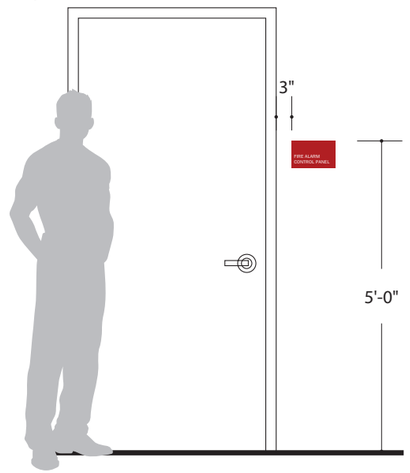
1 RT 3 Plan
scale: 6" = 1'-0"

2 RT 3 Elevation
scale: 6" = 1'-0"



3 RT 3 Sideview
scale: 6" = 1'-0"

1. 1/8" thick painted, photopolymer with ADA required raised text and grade 2 Braille (Braille same as background color)
2. ADA required raised text to be hot stamped to match specified color
3. Panel mounted to existing wall with 1/8" thick VHB adhesive strips in-set 1/4" from all edges, fabricator to verify existing wall finish and wall conditions prior to shop drawings
4. All cut panels to be free of saw/cut marks, sand down returns to a smooth and level surface before applying specified paint onto returns
5. For glass-mounted conditions, provide vinyl backer that matches the size of the sign, apply on first surface of glass, and mount sign to vinyl to hide VHB strip



4 RT 3 Elevation – Typical corridor
scale: 3/8" = 1'-0"

How / When to Use:

1. Only to be used at Fire Alarm Control Panel rooms where there is no other function to the room.

This drawing represents design intent only. All measurements and installation guidelines are approximate.

Sign fabricator will be responsible for:

- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

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RT 5 - Non-tactile Regulatory

P8 P3

Maximum occupancy shall not exceed XXX persons.

Gray Palette

P8 P11

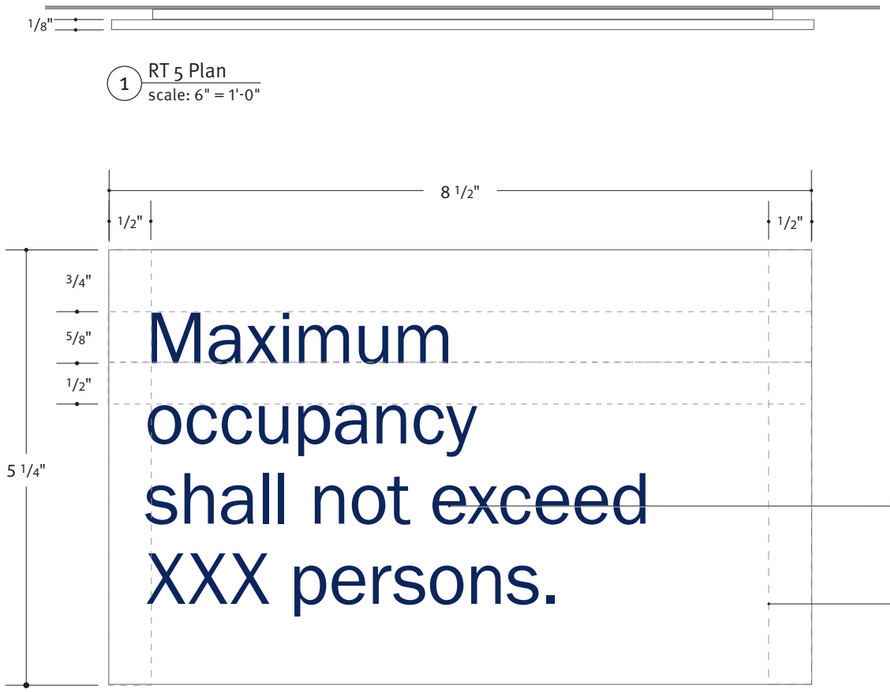
Maximum occupancy shall not exceed XXX persons.

Historic Palette

P1 P3

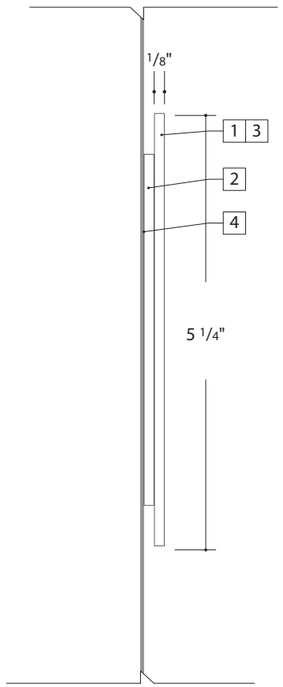
Maximum occupancy shall not exceed XXX persons.

Athletics Palette



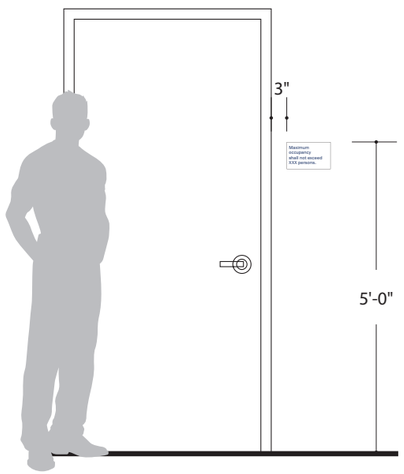
1 RT 5 Plan
scale: 6" = 1'-0"

2 RT 5 Elevation (Standard Palette)
scale: 6" = 1'-0"



3 RT 5 Sideview
scale: 6" = 1'-0"

1. 1/8" thick painted acrylic with printed graphics
2. Panel mounted to existing wall with 1/8" thick VHB adhesive strips in-set 1/4" from all edges, fabricator to verify existing wall finish and wall conditions prior to shop drawings
3. All cut panels to be free of saw/cut marks, sand down returns to a smooth and level surface before applying specified paint onto returns
4. For glass-mounted conditions, provide vinyl backer that matches the size of the sign, apply on first surface of glass, and mount sign to vinyl to hide VHB strip



4 RT 5 Elevation – Typical corridor
scale: 3/8" = 1'-0"

How / When to Use:

1. To be used at gathering spaces that may accommodate more than 50 people.
2. Occupancy number to be confirmed by OUBO-approved life safety plan. Development of an occupancy load is an OUBO function.
3. Sign to be located adjacent to primary exit.

This drawing represents design intent only. All measurements and installation guidelines are approximate.

Sign fabricator will be responsible for:

- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
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- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

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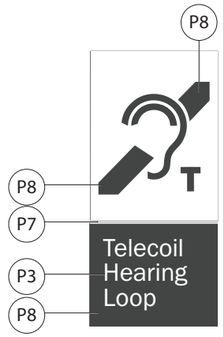
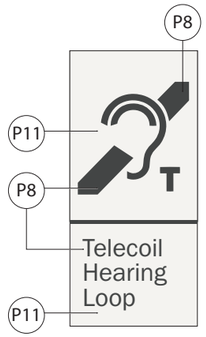
RT 7 - Hearing Loop ID

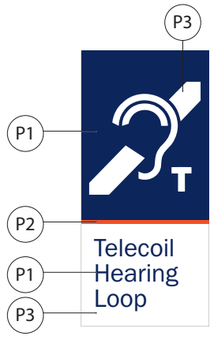
1 RT 7 Plan
scale: 6" = 1'-0"



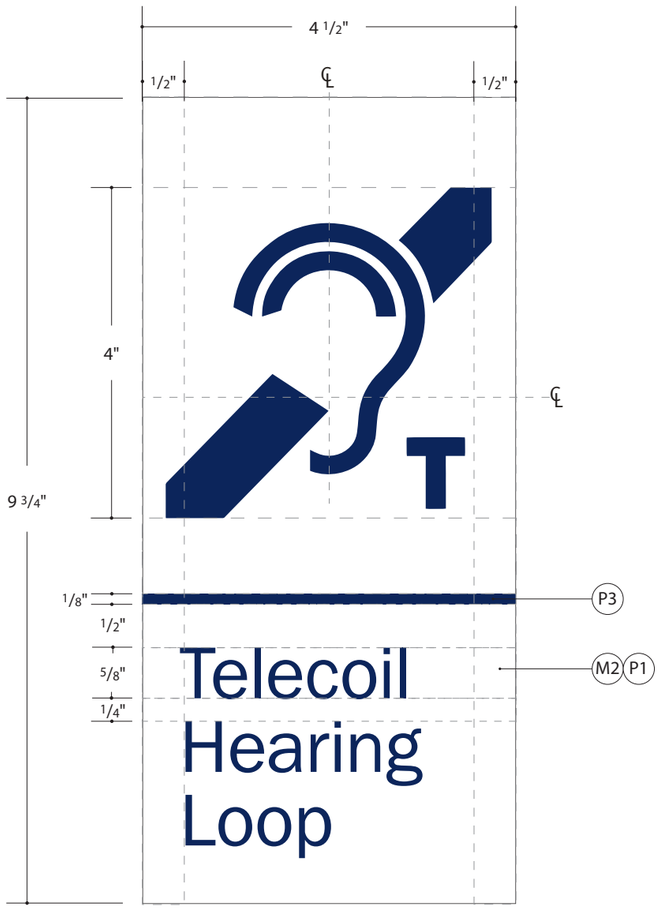
Gray Palette



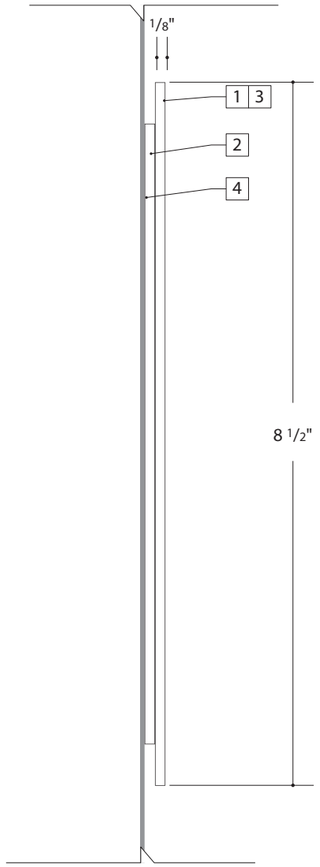
Historic Palette



Athletics Palette



2 RT 7 Elevation (Standard Palette)
scale: 6" = 1'-0"



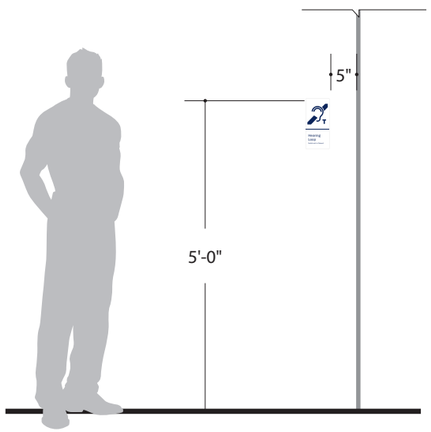
3 RT 7 Sideview
scale: 6" = 1'-0"

1 1/8" thick painted acrylic with printed graphics

2 Panel mounted to existing wall with 1/8" thick VHB adhesive strips in-set 1/4" from all edges, fabricator to verify existing wall finish and wall conditions prior to shop drawings

3 All cut panels to be free of saw/cut marks, sand down returns to a smooth and level surface before applying specified paint onto returns

4 For glass-mounted conditions, provide vinyl backer that matches the size of the sign, apply on first surface of glass, and mount sign to vinyl to hide VHB strip



4 RT 7 Elevation – Typical mounting height
scale: 3/8" = 1'-0"

How / When to Use:

1. To be used where T-Coil features are available.

This drawing represents design intent only. All measurements and installation guidelines are approximate.

Sign fabricator will be responsible for:

- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

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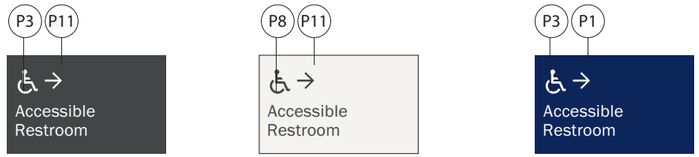
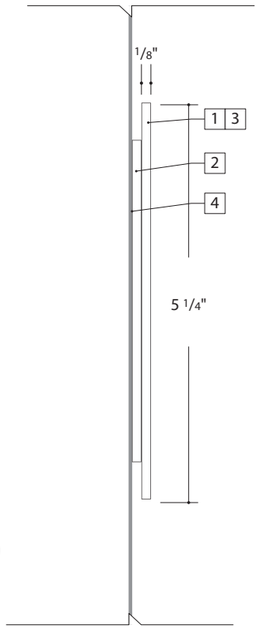
ACC 1 - Small Accessible Directional



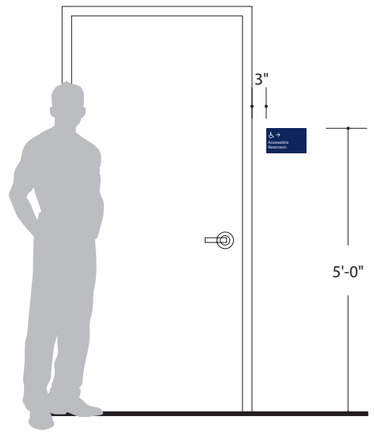
Gray Palette | Historic Palette | Athletics Palette

1 ACC 1 Plan
scale: 6" = 1'-0"

2 ACC 1 Elevation (Standard Palette)
scale: 6" = 1'-0"



3 ACC 1 Sideview
scale: 6" = 1'-0"



4 ACC 1 Elevation – Typical corridor
scale: 3/8" = 1'-0"

1. 1/8" thick painted acrylic with printed graphics
2. Panel mounted to existing wall with 1/8" thick VHB adhesive strips in-set 1/4" from all edges, fabricator to verify existing wall finish and wall conditions prior to shop drawings
3. All cut panels to be free of saw/cut marks, sand down returns to a smooth and level surface before applying specified paint onto returns
4. For glass-mounted conditions, provide vinyl backer that matches the size of the sign, apply on first surface of glass, and mount sign to vinyl to hide VHB strip

How / When to Use:

1. When existing restrooms are NOT accessible, this sign shall be provided to indicate the location of the nearest accessible restroom.

This drawing represents design intent only. All measurements and installation guidelines are approximate.

Sign fabricator will be responsible for:

- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

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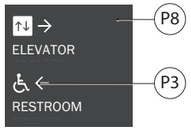
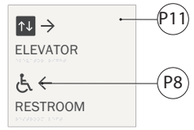
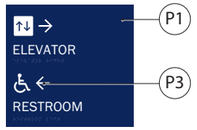
ACC 2 - Large Accessible Directional (with Tactile)



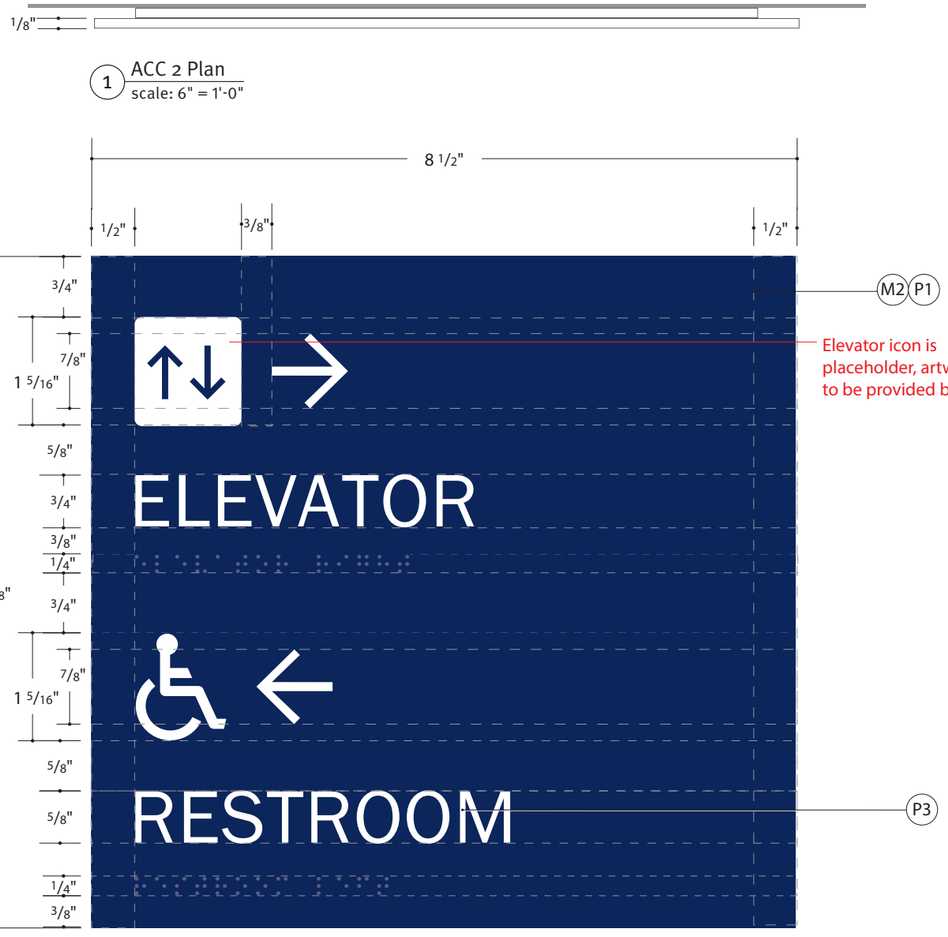
Gray Palette



Historic Palette

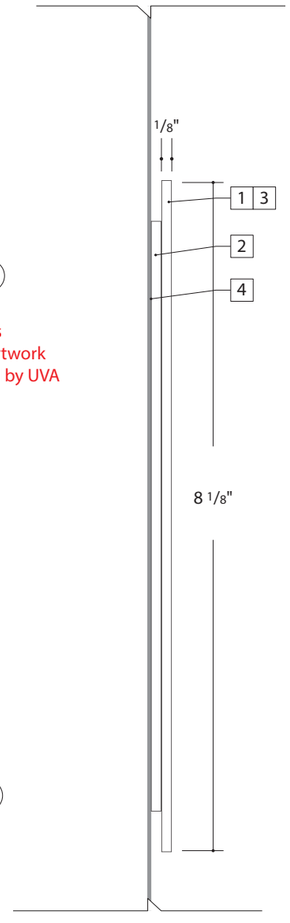


Athletics Palette



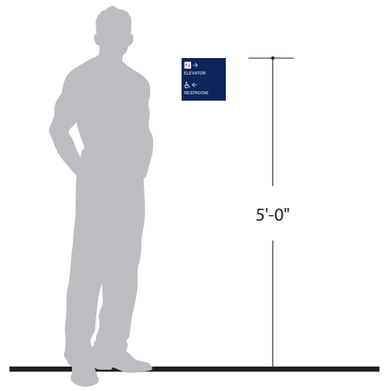
1 ACC 2 Plan
scale: 6" = 1'-0"

2 ACC 2 Elevation (Standard Palette)
scale: 6" = 1'-0"



3 ACC 2 Sideview
scale: 6" = 1'-0"

1. 1/8" thick painted acrylic with printed graphics
2. Panel mounted to existing wall with 1/8" thick VHB adhesive strips in-set 1/4" from all edges, fabricator to verify existing wall finish and wall conditions prior to shop drawings
3. All cut panels to be free of saw/cut marks, sand down returns to a smooth and level surface before applying specified paint onto returns
4. For glass-mounted conditions, provide vinyl backer that matches the size of the sign, apply on first surface of glass, and mount sign to vinyl to hide VHB strip



4 ACC 2 Elevation – Typical corridor
scale: 3/8" = 1'-0"

How / When to Use:

1. To be placed close by to a two-way communications button.

This drawing represents design intent only. All measurements and installation guidelines are approximate.

Sign fabricator will be responsible for:

- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

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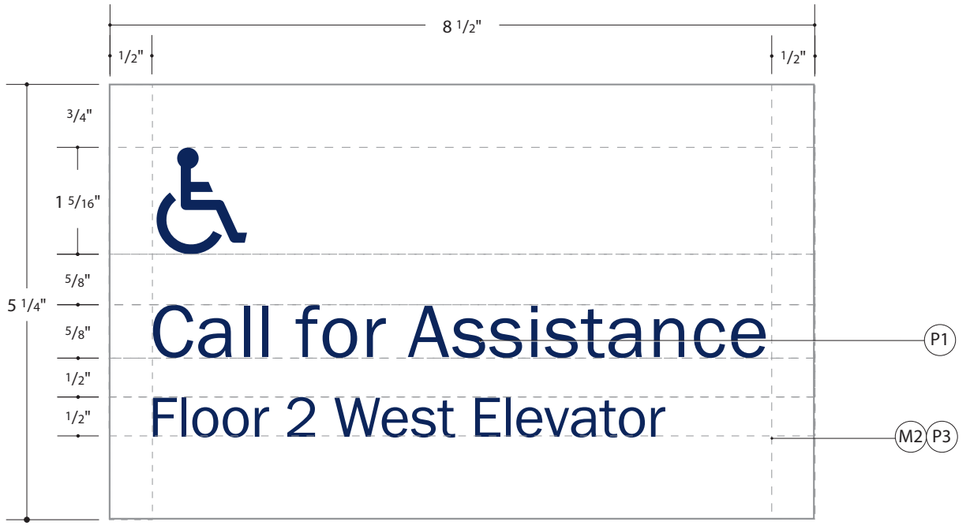
ACC 3 - Call for Assistance

Gray Palette

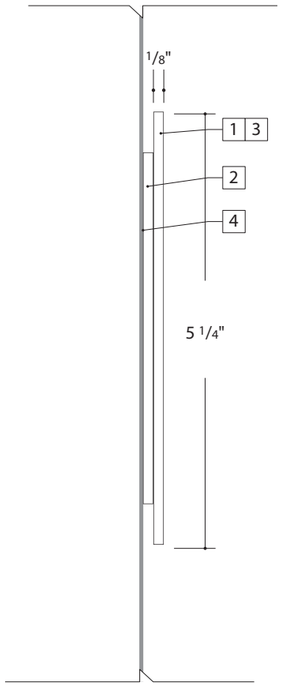
Historic Palette

Athletics Palette

1 ACC 1 Plan
scale: 6" = 1'-0"



2 ACC 1 Elevation (Standard Palette)
scale: 6" = 1'-0"



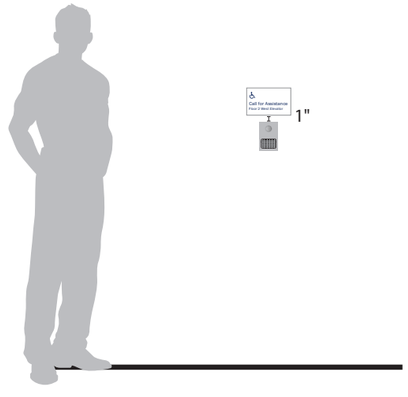
3 ACC 1 Sideview
scale: 6" = 1'-0"

1 1/8" thick painted acrylic with printed graphics

2 Panel mounted to existing wall with 1/8" thick VHB adhesive strips in-set 1/4" from all edges, fabricator to verify existing wall finish and wall conditions prior to shop drawings

3 All cut panels to be free of saw/cut marks, sand down returns to a smooth and level surface before applying specified paint onto returns

4 For glass-mounted conditions, provide vinyl backer that matches the size of the sign, apply on first surface of glass, and mount sign to vinyl to hide VHB strip



4 ACC 1 Elevation – Typical corridor
scale: 3/8" = 1'-0"

How / When to Use:

1. To be placed close by to a two-way communications button.

This drawing represents design intent only. All measurements and installation guidelines are approximate.

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- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
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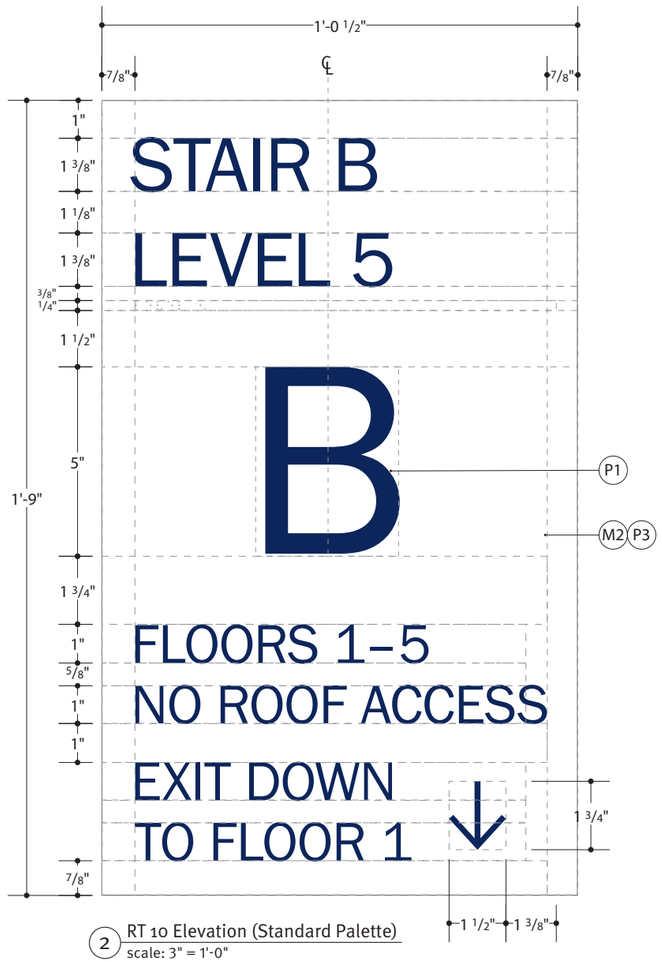
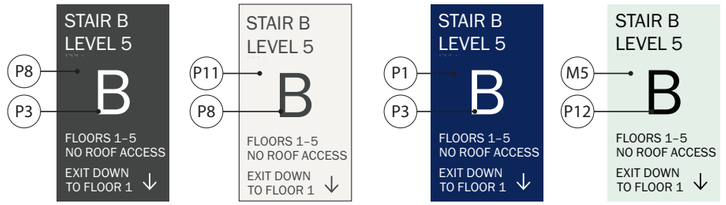
RT 10 – Regulatory Stair Occupancy

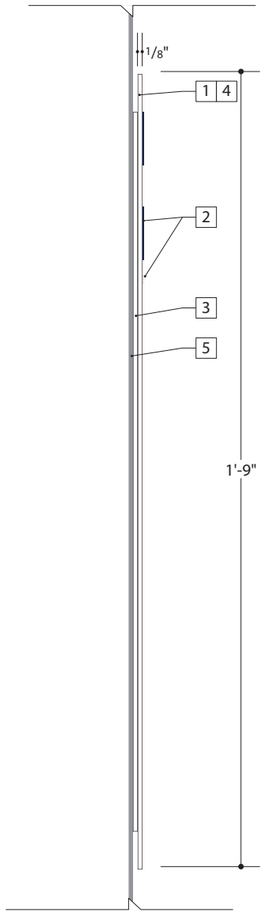
1 RT 10 Plan
scale: 3" = 1'-0"



2 RT 10 Elevation (Standard Palette)
scale: 3" = 1'-0"



Gray Palette | Historic Palette | Athletics Palette | Photoluminescent Panel



3 RT 10 Sideview
scale: 3" = 1'-0"

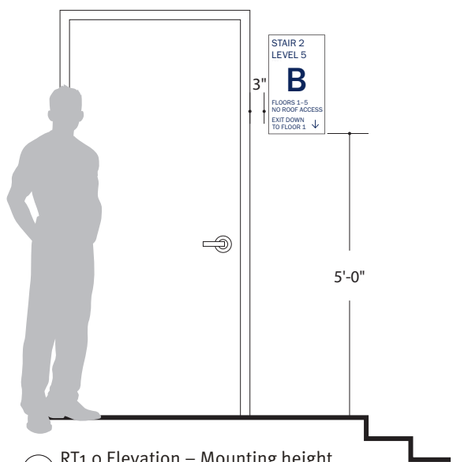
1 1/8" thick painted, photopolymer with ADA required raised text and grade 2 Braille (Braille same as background color)

2 ADA required raised text to be hot stamped to match specified color

3 Panel mounted to existing wall with 1/8" thick VHB adhesive strips in-set 1/4" from all edges, fabricator to verify existing wall finish and wall conditions prior to shop drawings

4 All cut panels to be free of saw/cut marks, sand down returns to a smooth and level surface before applying specified paint onto returns

5 For glass-mounted conditions, provide vinyl backer that matches the size of the sign, apply on first surface of glass, and mount sign to vinyl to hide VHB strip



4 RT1 o Elevation – Mounting height
scale: 3/8" = 1'-0"

How / When to Use:

1. To be used within stairwells' adjacent doorways/at landings in a position that is readily visible when the doors are in the open and closed positions.
2. It is necessary that this sign is visible when traversing stairs.
3. Photoluminescent material option provided if preferred by Fire Marshall.
4. Provide full scale mock-up for OUBO approval of orientation and legibility prior to final printing.
5. Mounted 60" from finished floor per OUBO requirement.

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- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

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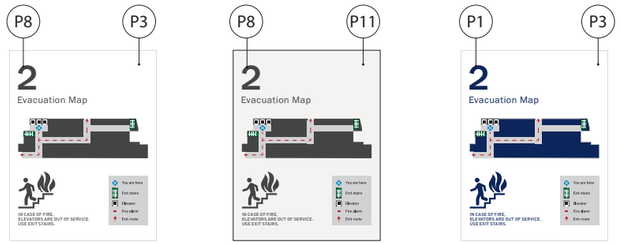
EM 1 – Evacuation Map

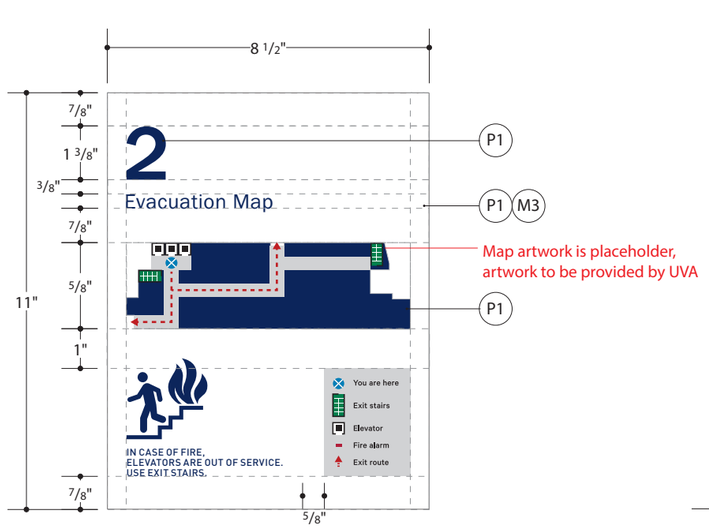


Gray Palette

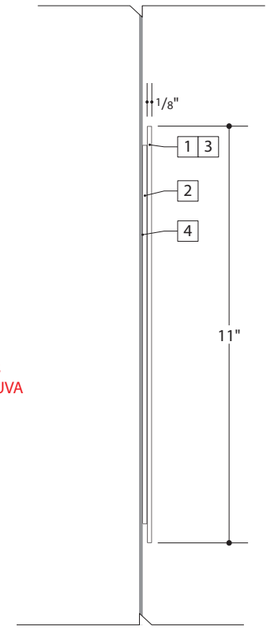
Historic Palette

Athletics Palette

1 EM 1 Plan
scale: 3" = 1'-0"



2 EM 1 Elevation (Standard Palette)
scale: 3" = 1'-0"



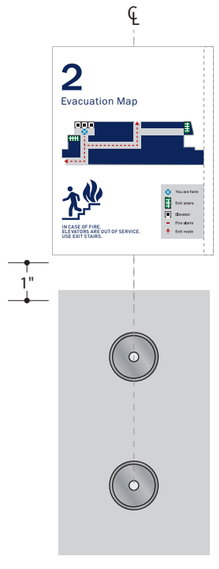
3 EM 1 Sideview
scale: 3" = 1'-0"

1 1/8" thick painted acrylic with printed graphics

2 Panel mounted to existing wall with 1/8" thick VHB adhesive strips in-set 1/4" from all edges, fabricator to verify existing wall finish and wall conditions prior to shop drawings

3 All cut panels to be free of saw/cut marks, sand down returns to a smooth and level surface before applying specified paint onto returns

4 For glass-mounted conditions, provide vinyl backer that matches the size of the sign, apply on first surface of glass, and mount sign to vinyl to hide VHB strip



4 EM 1 Sign placement guidelines
scale: 1 1/2" = 1'-0"

How / When to Use:

1. To be used to display egress information.
2. Map should be heads-up.

This drawing represents design intent only. All measurements and installation guidelines are approximate.

Sign fabricator will be responsible for:

- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

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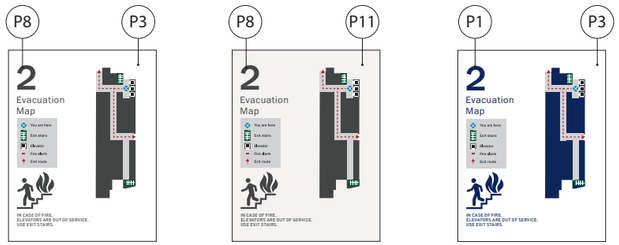
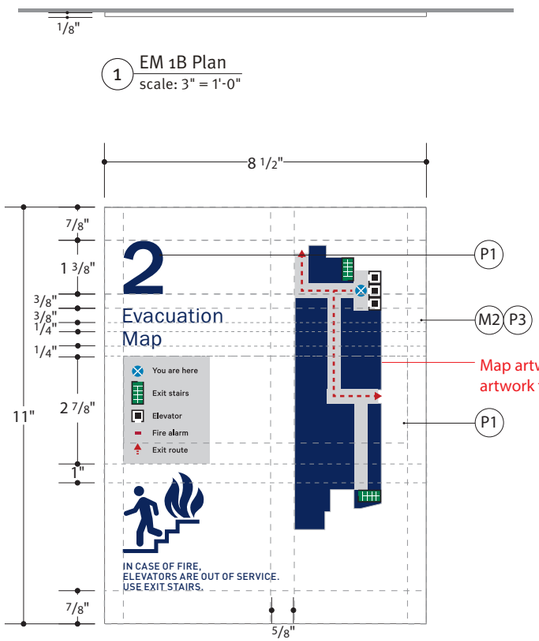
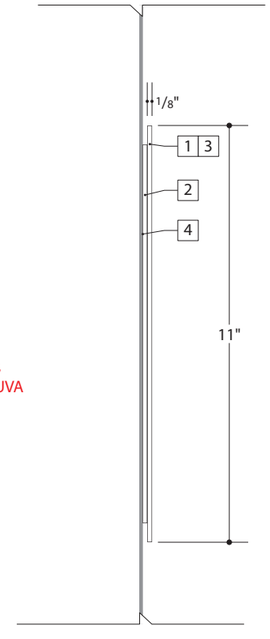
EM 1B – Evacuation Map (Vertical)



Gray Palette | Historic Palette | Athletics Palette



2 EM 1B Elevation (Standard Palette)
scale: 3" = 1'-0"



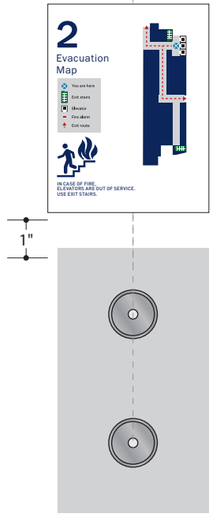
3 EM 1B Sideview
scale: 3" = 1'-0"

1 1/8" thick painted acrylic with printed graphics

2 Panel mounted to existing wall with 1/8" thick VHB adhesive strips in-set 1/4" from all edges, fabricator to verify existing wall finish and wall conditions prior to shop drawings

3 All cut panels to be free of saw/cut marks, sand down returns to a smooth and level surface before applying specified paint onto returns

4 For glass-mounted conditions, provide vinyl backer that matches the size of the sign, apply on first surface of glass, and mount sign to vinyl to hide VHB strip



4 EM 1B Sign placement guidelines
scale: 1 1/2" = 1'-0"

How / When to Use:

1. To be used to display egress information.
2. Map should be heads-up.

This drawing represents design intent only. All measurements and installation guidelines are approximate.

Sign fabricator will be responsible for:

- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

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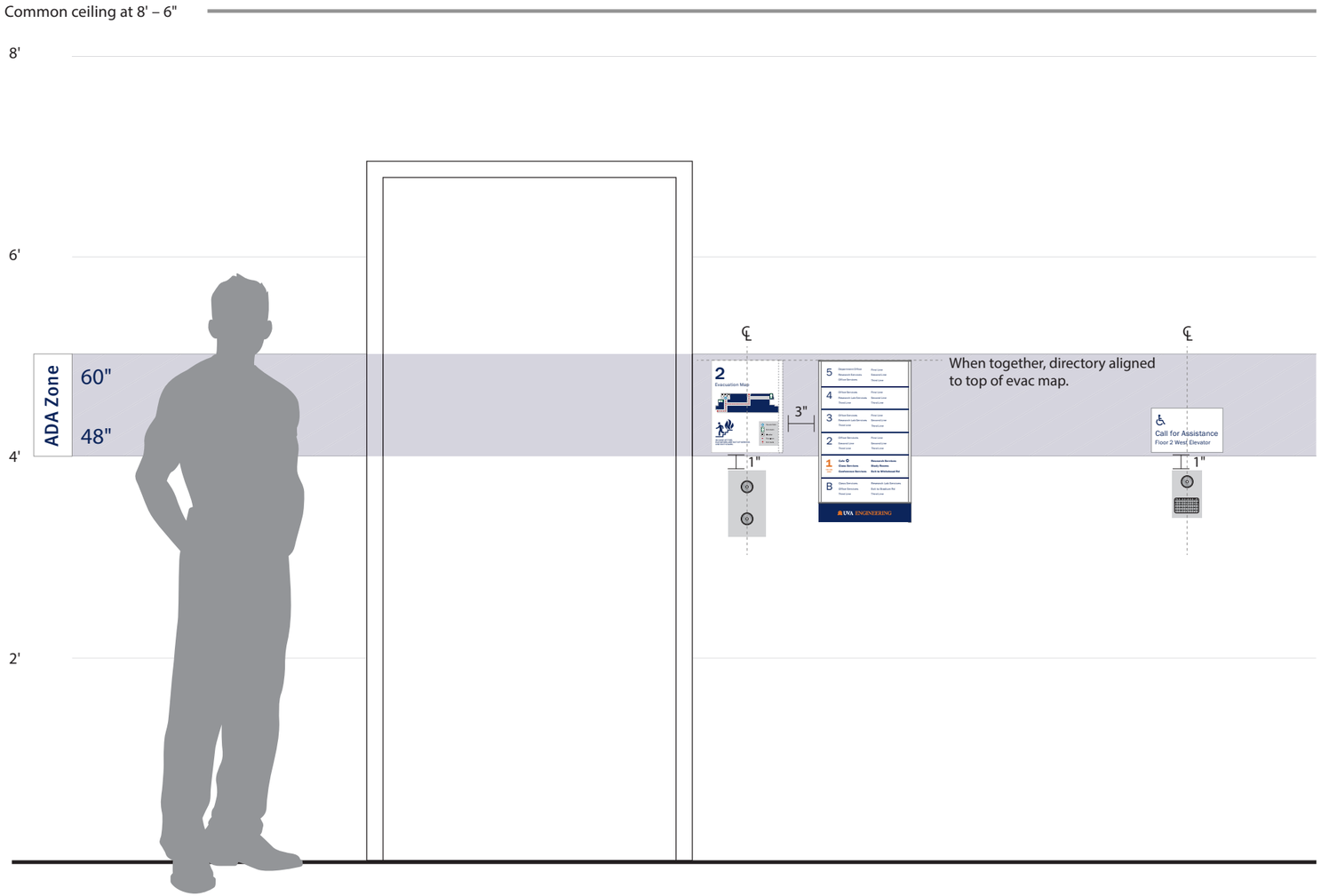
Elevator Sign Placement



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

This drawing represents design intent only. All measurements and installation guidelines are approximate.

Sign fabricator will be responsible for:

- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

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Section **11 Performance Specifications**

PART 1 – PERFORMANCE REQUIREMENTS

1.01 Work Included

A Labor, materials, equipment and services necessary for the fabrication, delivery and installation of signage as described in the detail drawings.

B Refer to the message schedule for a complete list of sign types and quantities.

Signs listed on message schedule should match those indicated on sign location plans. Contractor to notify owner of any discrepancies in sign quantities by doing take-offs before manufacturing signs.

C Signage is located in Philadelphia, Pennsylvania.

D For all signs, all fasteners, support structures required for installation.

1.02 Related Work

A General carpentry and painting requirements: all work to be done in a professional manner and to the highest trade standards.

B Use OSHA safety requirements if necessary for pedestrian or vehicular safety.

1.03 Regulatory Requirements

A Observe applicable codes, sign ordinances and ADA guidelines for handicapped and fire/life safety signing.

B For Electrical Work

1 National Electrical Code

2 National Electrical Safety Code

3 Life Safety Code - NFPA 101

4 OSHA

5 Applicable Federal, State and Local Codes

6 Underwriters Laboratory Inc. (UL)

1.04 Reference Standards (NOT ALL MAY APPLY)

Refer to current editions of the following:

A ASTM B221—Aluminum-alloy extruded bars, rods, wire, shapes and tubes.

B ASTM D822—Light and water exposure apparatus (carbon-arc type) for testing paint, varnish, lacquer and related products.

C ASTM A276—Stainless Steel -alloy extruded bars, rods, wire, shapes and tubes.

D ASTM E84—Surface burning characteristics of building materials.

E FS L-P-391—Plastic sheet, rods and tubing, rigid, cast, materials.

F FS L-P-387—Plastic sheet, laminated, thermosetting.

G ASTM A36—Structural Steel

H PS-1—Construction and industrial plywood.

I AWI—Comply with applicable requirements of "Architectural Woodwork Quality Standards" published by the Architectural Woodwork Institute.

J ASTM- WK10687 New Standard Practice for the Determination of Luminance under Monochromatic LED Illumination

K ASTM C 143-74—Concrete slump test.

L ASTM D3933-98 - Standard Guide for Preparation of Aluminum Surfaces for Structural Adhesives Bonding

1.05 Submittals

A Bid submittal requirements

1 All of the following bid submittals must be provided to be considered a qualified bid.

2 All proprietary contractual paperwork provided by the client filled out accurately, including all requested bonding and insurance information.

3 Submit completed spreadsheet (file provided) with all requested line item prices. Ensure that all row and column totals add up properly. Use the provided format, do not use a different spreadsheet format.

4 Submit a projected project schedule. Schedule will show major milestones such as sample submittals, fabrication, and installation. The payment schedule will be tied to reaching these milestones. Schedule will be updated regularly throughout the project.

B Requirements

1 Schedule shop drawings, product data and sample submittals for delivery at the same time.

2 The owner may hold shop drawings, product data and samples in cases where a partial submittal cannot be reviewed until associated items have been received.

3 Allocate not less than four weeks, plus mailing time, for processing by the owner.

C Schedule

1 Submit Gantt style schedule with all pertinent dates and milestones for the project.

2 Include submittal delivery dates, fabrication and installation dates

3 Allow several weeks in schedule for review and revision time for all submittals.

4 Revise schedule regularly as project details dictate.

D Shop Drawings

NOTE: All final shop drawings must have an engineering stamp from a state licensed engineer before being approved for fabrication.

1 Submit four (4) sets of shop drawings as outlined below.

2 Include plans, elevations, sections and large scale details of sign wording and lettering layout. Show anchorages and accessory items. Provide mounting templates.

3 Show fabrication and installation details, including all sign components such as extrusions, brackets, bracing, hardware, internal framing, foundations, etc.

4 Provide engineering data to confirm viability of signs and supports, including structural stability of all signs, fasteners and foundation design.

5 Structural details must be reviewed and stamped by a state certified structural engineer, ensuring structural integrity and safety.

6 For illuminated sign units: shop drawings shall also include the following:

a Fixture type.

b Fixture and lamp/ballast voltage.

c Fixture and lamp wattage.

d Complete photometric data.

e Wiring diagrams, including connection to building power supply.

f UL registration number (fabricator MUST be UL certified).

E Subcontractor qualifications information

1 The total percentage of subcontracted work on this project is not to exceed 25% including installation.

2 **Fabricator must submit credentials for any subcontractor selected to execute any portion of this**

PART 1 - PERFORMANCE REQUIREMENTS (continued)

contract. This must be submitted with proposal or bid. Demonstrate subcontractors qualifications for doing specified work.

F Samples

1 Submit four (4) sets of each sample required.

2 Owner reserves the right to reject any samples that do not satisfy the construction, finish or color requirements. Submit additional samples as required to obtain final approval.

3 Samples shall be labeled on the back, designating item number, name of manufacturer, sign type and location.

4 The following sample submittals are required for this project:

The following samples must be submitted and approved prior to the fabrication of signs:

a) 3 sets of all color samples including paint and vinyl samples on thin aluminum plates

b) 3 sets of all material samples, including dimensional letters.

c) Sample channel letter detail of "T"

5 Samples should represent extreme variations in color and texture that might occur during fabrication.

H Maintenance Data

1 Submit two (2) copies of each manufacturer's recommendations for maintenance of all items.

2 The instructions shall cover cleaning, repair, repainting and maintenance of signs, including data on cleaning solutions or methods of application which should be avoided.

1.06 Delivery OF ATTIC STOCK (if any)

A For any attic stock ordered, package separately or in like groups labeled as to contents. Include installation hardware, adhesives and installation instructions; include a reasonable array of alternate adhesives, fasteners or materials to be able to respond effectively to varying field conditions.

1.07 Protection

A Store and protect assemblies from injury at the shop, in transit to the job and until erected in place, completed, inspected and accepted.

B Packaging should not be taped to sign surface. Bubble wrap should be removed upon delivery to prevent damage to sign surfaces.

C Take special precautions to prevent pilferage both prior to and after installation. Be prepared to provide replacements for any material so removed from the site.

1.08 Inspection

A Materials, colors and fabricated or partially fabricated items shall be available for inspection at the factory or elsewhere, by the owner or designer during the process of manufacture and until final delivery, installation and acceptance, to determine whether or not there is compliance with the requirements of these specifications.

B Approval prior to the time of final acceptance shall not preclude rejection of delivered items which do not satisfy these specifications.

1.09 Reordering

A All items specified herein shall be available to the owner in additional quantities for a period of 10 years after completion of all work called for in this specification.

1.10 Warranty

All warranties on fabricator's standard contract forms must be modified to match warranty criteria mentioned herewith. Any changes in warranty length or criteria must be negotiated prior to contract signing. Any discrepancies from fabricator's contract are superseded by this performance specification.

ALL PAINT FINISH WARRANTIES MUST BE ACCOMPANIED BY SIGNED WARRANTY AGREEMENTS WITH THE PAINT MANUFACTURER AND FINISHER.

A Warrant all products (including, but not limited to, materials, hardware and finishes) against any and all defects for a minimum period of 2 years from date of installation.

B Correct any and all defects in material and/or workmanship which may appear during the warranty period by restoring defective work to the standard of the contract documents at no cost to the owner and to the owner's satisfaction.

C Vinyl die-cut letters shall be warranted for five years against delamination from substrate.

D Correct any and all paint finish defects which may appear during the warranty period by restoring defective work to the standard of the contract documents at no cost to the owner and to the owner's satisfaction.

PAINT FINISHES SHALL BE WARRANTED AS FOLLOWING:

1 All Matthews paint products must be clear coated with MPC super Satin Clear Kit, a two-component 1.24 ready to spray VOC compliant, acrylic polyurethane clear, which was developed to provide extended performance under the toughest conditions. See the MPC194 specifications on page 5.2.
Fabricator to provide extended warranty from Matthews to client on completion of project.

2 PPG Coraflon fluoropolymer solvent-based paint - 10 years for gloss retention as measured in accordance with ASTM D523 using 60 degree readings. 10 years for color retention as measured by ASTM D2244 Section 6.3 using Hunter LAB Color difference.

E Additional corrections shall include, but not be limited to, the following:

1 Bubbling, crazing, chalking, rusting or other disintegration of the sign face or of the messages or of the edge finish of the sign inserts or panel.

2 Corrosion developing beneath paint surfaces of the support systems (except when it is the result of obvious vandalism or other external damage to the paint surfaces).

3 Corrosion of the fastenings.

4 The signs not remaining true and plumb on their supports.

5 Fading of the colors when matched against a sample of the original color and material.

6 Discoloration of metal finishes.

7 Uneven illumination; dark or hot spots.

1.11 Alternate Fabrication

A The drawings show design intent only. The fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication techniques or details necessary to the successful completion of this project should be communicated to

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- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.

PART 2 – QUALITY ASSURANCE

owner in a timely fashion.

Further development and engineering of designer's details (for fabrication and installation) is expected and should be shown in the shop drawings.

B The designer recognizes that manufacturers may have shop fabrication techniques that differ from details shown. Suggested changes in fabrication that do not alter the design intent nor reduce the quality will be considered by the designer provided they are submitted in sketch form as soon as possible prior to shop drawing preparation.

C Any value engineering changes during fabrication shall be discussed with owner and the associated groups.

2.01 Quality Assurance

A Materials used for this project shall be new and not reconditioned or re-purposed.

B Use only personnel thoroughly skilled and experienced with the products and method for fabrication and installation of signage specified.

C The owner shall reserve the right to reject any shop drawings, samples or other submittals, as well as any finished product or installation, that cannot meet the standard of quality established. Any such decision will be considered final and not subject to recourse.

D The intent of the contract documents is to provide everything necessary for a complete contract. In the event of conflict or omission, the fabricator shall consult the owner for resolution.

E Materials and hardware not specified, but necessary to the complete functioning of the sign, shall conform to the quality level established.

2.02 Preferred material suppliers (not all may apply)

Vendors and products listed below are specified for this project. These products have either been tested on prior projects and have delivered proven results, or have properties unique to this project. Any suggested substitutions must have documentation demonstrating the same level of quality and warranty **prior** to bidding. Bids are subject to disqualification if unauthorized substitutions are used.

A **Fluoropolymer paint**
Coraflon by PPG
412.434.4189

B **Matthews Paint +Super Satin Clear Kit 290 228SP**
MPC

800.323.6593

C **Vinyl and vinyl coatings**
3M
888-650-3497

2.03 Sign Types

A **Factory silkscreen:**

1 On aluminum

B **Vinyl Map:**

1 On aluminum

C **Aluminum structures:**

1 Extrusions, as noted.

2 Aluminum sheet or plate, rolled as necessary.

3 Aluminum hardware.

D **Flat cut letters**

1 Aluminum letters

2.04 Design Requirements

The contractor shall be responsible for the message layout of all directional message panels. Fabricator must produce scale drawings of message layouts for review prior to fabrication. Layout spacing and letter heights to be based on typical layout guideline drawing pages. Any discrepancies or unusual layout issues should be brought to the attention of the designer.

A **Type specifications**

1 Typeface: the following typefaces as manufactured by Adobe Systems are used (NO substitutions will be accepted; if sign fabricators software or equipment uses a different "cut" or version of type specified, fabricator is required to scan correct version or otherwise arrange to procure it):

See design intent drawings for font and letterspacing samples.

2 Size: all letter heights specified are based on the cap height of a capital letter.

3 Alignment: When setting type or installing cut letters, ensure that letters are perfectly straight and even, with no characters set crooked or "popping up."

4 Spacing

a See drawings for samples of letterspacing programs. The proper letter and word spacing is of extreme importance to the desired look of the signs.

b Contractor is responsible for visual corrections to the typesetting that might be necessary. Any problems in spacing or copy fitting should be brought to the attention of the designer for solution.

B **Visual justification**

1 Display type may align mechanically but not optically. When flushing copy message left, a visual adjustment shall be made compensating for those letter forms that must be extended into the left hand margin to appear flush. For example, S and O must extend beyond the left margin slightly.

C **Arrow and symbol specifications**

1 Symbols: symbols and pictographs shall conform to the symbol signs issued by the Department of Transportation and the American Institute of Graphic Arts. To obtain more information and reproduction artwork or digitized Macintosh compatible AIGA symbols, contact:

Society for Environmental Graphic Design
1000 Vermont Avenue
Suite 400
Washington, DC 20005
202.638.5555

2 Arrows on all signs shall use the arrow files which will be provided by the owner to the successful bidder.

a Arrow size will be dimensioned by height as shown in the drawings.

D **Artwork**

1 The contractor shall be provided electronic AI CS6 files with project artwork and templates. The final output quality of artwork for finished signage shall be the responsibility of the contractor. The owner's representative reserves the right to reject artwork if it fails to meet the standard of quality established.

2.05 Materials (NOT ALL MAY APPLY)

A **Aluminum extrusions:** for mounting plates and

PART 2 – QUALITY ASSURANCE (continued)

structural frames shall conform to ASTM B- 221, Alloy 6063-T6. Shapes, sizes and weights of members shall be as required for structural stability. All connections of aluminum members shall be heliarc welded, continuous fillets, ground smooth on all exposed faces, unless specifically detailed otherwise. Aluminum finishes shall be hereinafter specified.

B **Aluminum sheet and plate:** Type 5052-H-32 alloy aluminum, thickness as indicated. For painted finish, faces shall be etched to give an even satin finish and remove oxidation, then conversion coated to improve paint adhesion and inhibit corrosion. Surface shall be belt-sanded for a smooth finish, edges filed and ground then immersed in hot alkaline cleaner to remove contamination. For anodized finish, prepare for finish AA-M31-C21-A31. A

For components specified as "aluminum with a non-directional finish," all visible surfaces shall be finished with a non-directional #36 grit texture (match designer's sample). Provide clear acrylic polyurethane coating with a satin sheen (25 degree gloss) finish using the BRACO system manufactured by Matthews Paint Company, Wheeling, Illinois (800.323.6593 or 414.947.0700). Methods of surface preparation, coating and drying should strictly follow those recommended by the manufacturer. Fabricator to build up 3–4 mils dried film on finished sign.

Coating to protect aluminum by uniformly penetrating, filling and sealing surface pores. Coating should provide an invisible barrier to weathering, airborne contaminants, graffiti, industrial air pollution, mildew and salt air. Coating should not yellow, peel or flake. Coating should be guaranteed a minimum of seven years. Sign panels shall be pre-drilled in proper locations before any priming, painting or coating processes.

Aluminum should have consistency of color and finish throughout the project.

C **Hangers, brackets and accessories:** shall be of the type and size indicated. Where such items are not specifically called for, provide hangers, brackets and accessories as required for the proper execution of the work, as approved by the owner.

D **Finishes for aluminum**

All finishes to protect aluminum by uniformly penetrating, filling, and sealing surface pores. Coating should provide an invisible barrier to weathering, airborne contaminants, graffiti, industrial air pollution, mildew, and salt air. Coating should not yellow, peel or flake. Coating should be guaranteed a minimum of seven years. Sign panels shall be pre-drilled in proper locations before any priming, painting or coating processes.

For components that are direct buried into concrete or soil, provide appropriate Teflon coating; or 5 mils of bitumen paint; or 2 mils of lacquer. This process will reduce the risk of corrosion from chemical reactions with the concrete mixture or soil.

Aluminum should have consistency of color and finish throughout the project.

Aluminum components must be finished in one of the following paint types:

1 **Acrylic Polyurethane - Matthews Paint**

Ultraviolet inhibited aliphatic isocyanate acrylic system engineered for extreme color and gloss retention. Degree of gloss is specified in design drawings. One coat 74- 734 and 74-735 metal pre-treat at .25 mils DFT or one coat 74-793 spray bond at .15 to .25 mils DFT and one coat Matthews Acrylic Polyurethane 2 mils DFT. As a final step, spray one coat of satin clear Matthews Acrylic Polyurethane 2 mils DFT for a protective top coat

2 **Fluoropolymer -Solvent based -Coraflon ADS - PPG**

Two component fluoropolymer finish with 100% FEVE (fluoropolymer) resin and an aliphatic isocyanate curing agent. Degree of gloss is specified in design drawings. Solvent clean bare aluminum per SSPC SP-1. ADS wash primer ADS225/ADS226 @ .03-.05 Mils DFT.

For components with textured finishes

1 Use single coat of Matthews Acrylic Polyurethane (black) with Matthews 287113SP suede additive for texture. Apply Coraflon topcoat in color specified.

Paint touch-up process - Coraflon

1 **Do not touch up scratches using paintbrush.**

2 Prep area by sanding with a very fine grit sand paper. Mix Coraflon products on site immediately before spraying. Spray all locations with scratches in one batch. Mix Component A - Coraflon ADS and Component B - Coraflon ADS1B (curing agent) Spray. Expected pot-life for this product is four hours. Apply paint using a PREVAL Spray Gun - available at: www.prevalspraygun.com

3 Spray in an even motion, feathering the edge of the spray perimeter

4 Protect message panels, adjacent areas and ground beneath signs from overspray.

E **Direct Substrate Printed Media**

1 Process: "Direct Substrate Printers" shall provide high-quality, full color images directly onto a variety of flat substrates. Substrate examples include (but are not limited to) Acrylic, PVC, Polycarbonate, Aluminum, Stainless Steel, Wood, etc.

2 Printer Characteristics: printer to have C, M, Y, K, CL and W print heads (minimum) with UV curable inks and UV LED Lamp to cure ink while printing. Minimum reproduction print quality up to 1440 dpi. Flatbed printing size for substrates up to (and including) 48" x 96". Printer to accept substrates up to 2" thick.

3 Capabilities: Printer to have white ink capabilities to create under-coat/primer on dark substrates and opaque under-coat/primer on clear substrates. Clear ink to provide protective over-coating and variable sheen finishes including full-surface glossy printing. Printer to have mask pattern capability to effectively curb visible banding. Printer to have variable drop function to produce smooth and natural gradations.

F **Silkscreen ink**
Formulate epoxy silkscreen inks specifically for surfaces on which they will be used. Add catalytic or bonding agents as necessary to maximize adherence and vandal resistance.

G **Construction Adhesives**

1 ***Acrylic and light aluminum panels*** - VHB tape
Very high bond acrylic tape for bonding metals and plastics. VHB can be used on both finished and unfinished surfaces.
Prepare surface by removing grease, loose contaminants and oxidized spots using an isopropanol wipe down no more than fifteen minutes prior to adhesion.

2 ***Heavy gauge aluminum sheets and components -***
Lord 201 Acrylic adhesive
Two-part acrylic structural adhesive for bonding

PART 2 – QUALITY ASSURANCE (continued)

metals and plastics. Series 201 can bond both finished and unfinished surfaces.
Prepare surface by removing grease, loose contaminants and oxidized spots.
Apply by spraying rolling or brushing on single surface to produce bond lines 5-10 mils thick and both surfaces to produce 25-50 mils thick.
Use Lord spec charts to determine correct accelerator process.

H **Adhesive tape**

Closed-cell foam type with adhesive surfaces on both faces. Thicknesses and widths of tapes shall be as required to safely secure signs to various wall finishes, but in no case shall be less than 1/16 inch thick and 1/2 inch wide. Adhesive tape shall be equal to Norton Sealant Tape No. 1001 Series.

I **Liquid adhesive:** Silicone Silastic 732 RTV adhesive/ sealant as manufactured by Dow Corning.

J **LED lighting:**

1 High efficiency, long life series parallel lighting system

2 Sign housings and frame shall be fully sealed against light leakage.

3 Coordinate all power locations and connections of illuminated fixtures with the building owner, confirm building penetrations/attachments and provide details that meet the building owner's requirements.

L **Acrylic:** cast acrylic sheet, in thicknesses and colors specified. Flame polish exposed edges. Exposed edges must be free of saw marks.

2.06 FABRICATION

A **Report any discrepancies** between drawings, specifications and owner requirements and request direction from owner before proceeding.

B **Verify measurements** in field as required for work fabricated to fit job conditions. Before starting work, examine adjoining work on which work of this section is in any way dependent for perfect workmanship and fit.

C **Make work in ample time** not to delay job progress and deliver to job at such time as required for proper coordination. Fabricate work true to line and detail with clean, sharply defined profiles. Finish surfaces smooth unless otherwise specified.

D **Do cutting, punching, drilling and tapping required** for attachment or other work coming in contact with signage work where indicated.

E **Changeability:** fabricate signs in such a manner that each of the major mounting components may be removed and replaced with similar components by maintenance personnel, but not by unauthorized personnel.

F **Construction:** fabricate all joints, corners, miters, etc., with work accurately machined, filed and fitted, rigidly framed together at joints and contact points. Carefully match all work to provide a perfect continuity of lines and design, with metal in contact having hairline joints. Make joints of such character and assembly to be strong and as rigid as adjoining sections. Make exposed joints where joint is least conspicuous. Corners shall be square as indicated. All edges shall be finished and free of saw marks.

Allow for expansion and contraction of materials from temperature changes, especially when two materials with different coefficients of expansion are used together.

Detail signs to minimize deflection from snow, ice, water or their own weight.

G **Engineering:** the system shall be engineered to eliminate buckling of any members, failure at any points, distortions or other damage.

The system shall be engineered to be rigid with minimum deflection and rotation under stress and shall be able to withstand movement, shear and torsional loads.

Exposed areas of signs shall not oil can. Signs shall be designed as structurally self-supporting units. The suspension systems and substructure shall be designed by the sign manufacturer to perform in accordance with the contract documents.

H **Connections and accessories:** weights of connections and accessories shall be adequate to sustain and withstand stresses and strains to which they will be normally subjected.

I **Sign panels - general**

1 Surface finish: provide surface finishes that are free from lines, mottling, ridges, variations in color, orange peel, bubbles, pinholes, mottling, crazing, grit and coarse particles. This applies to all methods of fabrication and finishing. Use clear coatings for durability, surface protection, appearance and maintenance.

2 Material: sign panel material is stated in the schedules under "Notes" and/or on drawings.

3 Opacity: except for internally illuminated signs, all signs shall have opaque background and opaque graphics.

Note: all colors, especially in the acrylic signs, are to be clear and match references exactly.–Washed out or weak colors will not be accepted.

J **Anchors and fastenings**

1 Mechanical

a Provide anchors and fasteners required to secure work in place.

b Surface finish: do not expose fastenings on surface of sign panels unless specifically noted otherwise. Do not deform, distort or discolor sign face surfaces by attachment of concealed fastenings.

c Corrosion resistance: all fastenings shall be non-corrosive and resistant to oxidation or other corrosive action, of the same composition completely through their cross sections, particularly when used below grade. Use highest quality stainless steel hardware and fasteners.

d Anchors, inserts or fasteners shall be compatible with sign materials, shall not result in galvanic action or chemical interaction of adhesives and shall have demonstrable and sufficient strength for intended use.

e Steel anchors and fastenings for exterior use shall be galvanized in accordance with ASTM A153.

f Stability: fabricate and install signs with fastenings to withstand all actions imposed by use; 30 psf wind perpendicular to surfaces, water, ice, snow loads and similar forces.

g Anchor bolts in concrete shall be cast in place. Manufacturer shall furnish instructions for the setting of anchors and bearing plates. Manufacturer shall ascertain that the items are properly set during the process of the work.

h Color: secure work with fastenings of same color and finish as the components they secure where they are exposed to view, unless noted otherwise.

i Security: All exposed fasteners must be vandal resistant and have vandal-proof "spanner" type

PART 2 – QUALITY ASSURANCE (continued)

slots to be removed only with a special driver head.

K Messages

The fabricator is responsible for the message layout of all directional message panels. Fabricator must produce scale drawings of message layouts for review prior to fabrication. Layout spacing and letter heights to be based on typical layout guideline drawing pages.

1 Layout: layouts are shown on the drawings. All messages including braille shall be flush left, unless noted otherwise. Correct line breaks are indicated in the "Message" column of the schedule and should be followed exactly. Braille line breaks shall match those of the raised copy. **Any problems in message layout shall be brought to the attention of the owner for solution.**

2 Fabrication: execute all signs such that letter forms are true and clean. Letter forms with rounded corners, or chipped, nicked, cut or ragged edges, will not be accepted. This applies to all methods of fabrication and copy application.

3 Copy: message copy on detail drawings is for layout purposes only. Actual copy is listed in the "Message" column of the schedule. Certain copy may be provided later by the owner.

4 Capitalization: directions for upper and lower case are found in the "Message" column of the schedule must be followed exactly.

5 Single or double faces: all signs that are double sided will be noted as such in the drawings and message schedule. For double sided signs, the message will be indicated as "Side A" and "Side B" or "Side C" and "Side D".

L Surface-applied messages

1 Reflectivity and specular gloss

- a Non-reflectorized message: 60 degree specular in accordance with ASTM Test D523.

2 Thickness: as indicated in specifications herein.

3 Color and color fastness

- a Exposed surfaces and finishes shall show no discernible color change or chalking when exposed for 1,000 hours in an Atlas Twin Arc Weathermaster Model HCDL-X, or equivalent, when tested in accordance with ASTM D822.

4 Interletter spacing: follow examples in drawings. Show sample interletter and interword spacing in sample submissions as specified.

5 Layout: positions for all messages, symbols, arrows, lines, etc., for all signs are clearly indicated on the drawings and shall be complied with.

6 Artwork: contractor shall be responsible for all final reproduction artwork for all messages, symbols, arrows and restroom floor plan drawings.

7 Fabrication:

- a Screened messages: execute all silkscreen printing in such a manner that all edges and corners of finished letter forms are true and clean. Letterforms, color areas or lines with rounded corners, edge buildup or bleeding, sawtoothing, etc., will not be accepted. Execute all silkscreening from photo-screens prepared from typesetter's reproduction of the copy specified. Typesetter's reproductions shall be no smaller than 75% of the actual size specified. All above work is included in this contract. Hand cut screens will not be acceptable.
- b Die-cut messages: die-cut, pre-spaced, pre-aligned messages (numbers, words, phrases and arrows) from 3.0 mil flexible film coated with continuous adhesive pressure sensitive backing to meet characteristics specified for surface-applied messages. Execute die-cutting in such a manner that all edges and corners of finished letter forms are true and clean. Letter forms with round positive or negative corners, nicked, cut or ragged edges, etc., will not be acceptable.

M Illuminated signs

1 All means of internal illumination for signs shall be positioned in accordance with the copy layout to provide even light distribution to the copy.

2 Fabricator must apply diffuser materials as necessary to eliminate hot spots created by the illumination (especially with LED signs).

3 All exterior fixtures and those in wet-damp locations shall be fitted with seals and gaskets to form a weatherproof, watertight assembly and shall be of rust resistant construction and finish.

4 LED illumination:

- a Provide all step-down transformers and connection devices necessary for electrician to connect to service
- b Hide any external connections or J-boxes within the structure of the sign.

5 Provide emergency shut-off switches on exterior of sign, per UL regulations.

6 Provide photo-cell device hidden near the sign face to automatically switch the sign on and off

7 Encase all electrical wiring in flexible metal conduit or metal raceways.

- a Hide raceways from view

PART 2 – QUALITY ASSURANCE (continued)

3.01 Inspection

A Examine the substrates and conditions under which the signs are to be installed and notify the owner in writing of conditions detrimental to the proper and timely completion of the work. Do not proceed with the work until unsatisfactory conditions have been corrected.

3.02 Installation

A **Install sign units and components with concealed fasteners, unless otherwise shown.** Refer to detail drawings for general method. Verify each surface in filed to determine specific, appropriate hardware.

Drawings in this package may not indicate any below-ground or in-wall structural tie-ins or connections that may be necessary to assure stable and secure installation of signs. Sign fabricator is responsible for determining where such connections are necessary and for coordinating with related trades to make them.

B **Locations:** refer to drawings for approximate locations. The owner must be present for field placement of signs. Manufacturer and owner to confirm that sign locations and sight lines are free from all visual obstruction (i.e. signs, lights, doors overhangs, sprinklers, etc.) Locations must comply with relevant Life and Safety codes mandated by the state, federal, and local regulatory commissions. Any discrepancies or apparent deviations from drawing locations because of different site conditions shall be brought to the attention of the owner and designer for solution.

It shall be the responsibility of the Contractor to determine the location of underground structures and utilities by the use of test pit excavation prior to excavation operations.

Test pits shall be of the size, depth and location as approved by the Engineer. Each pit shall be tamp-backfilled.

Test pit excavation will be measured on the basis of the volume of material actually removed from within the limits specified. Tamped backfill will not be measured but shall be included in the price bid for test pit excavation.

Price provided shall include all excavation, tamped backfill, labor, tools, equipment and incidentals necessary to complete the installation of each sign.

C **For wall-mounted signs, provide patch and repair kit to hide any visible penetrations/blemishes to match adjacent surfaces exactly.** Reference typical detail drawings for attachment details. Provide details to prevent any water penetration into the building from sign installation. Sign manufacturer to review existing conditions and confirm any additional blocking or structure necessary for sign installation. Coordinate all power locations and connections of illuminated fixtures with the building owner, confirm building penetrations/attachments and provide details that meet the building owner's requirements.

D **For ground-mounted signs, provide whatever replacement concrete, pavers, bricks, etc. are necessary to match adjacent surfaces exactly.** Seams should be parallel or perpendicular to sign face and be symmetrical around post(s).

E **For aluminum/steel components direct buried into concrete or soil, provide appropriate Teflon coating; or 5 mils of bitumen paint; or 2 mils of lacquer.** This process will reduce the risk of corrosion from chemical reactions with the concrete mixture or soil.

F **Note that this institution experiences heavy public use.** Strong environmental conditions such as weather and vandalism may be routine problems. Signs must be securely mounted. Contractor is responsible for suggesting alternative fabrication or installation methods if required to prevent theft or vandalism.

G **Install signs to be level, plumb and at the proper height.** Cooperate with other trades for installation of sign units.

H **Clean and polish, remove excess adhesive.**

I **Fixture installation**

1 Install lighting fixtures with seals and gaskets. Conceal all wiring in or within the construction.

2 Lamp installation

a Do not install lamps for permanent use until operating voltage is verified and established.

b Install lamps in accordance with lamp and fixture manufacturer's instructions.

3 Ballast installation

a Install ballasts at factory unless specifically indicated otherwise. Mount on rubber grommets or sound isolating details to reduce noise transmission.

3.03 Cleanup

A Periodically (at least daily) and upon completion of the installation, remove all waste, dirt, wrappings and excess materials, tools and equipment, and carefully and thoroughly clean all surfaces to the satisfaction of the owner.

3.04 Property Damage

A Protect all adjacent surfaces from damage and pay the cost of repairing any damage to the property caused by delivery or installation of materials. In all cases, match existing surfaces.

This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:
- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering seals or permits.
- Verifying compliance with ADA and local sign codes with the appropriate groups for final approval prior to fabrication.