



Exterior Signage and Wayfinding

Bid Document
October 03, 2025

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Section 1 Basic Standards

Typography



Basic Standards

Typographic Standards

Notes

No substitute typefaces will be accepted.

Typefaces are available from:

Adobe Systems Inc.
(adobe.com/type)

Google Fonts
(fonts.google.com)

F1 – Source Serif
Semibold

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 &!?,.”

F2 – Source Sans
Regular (400)

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 &!?,.”

F3 – Source Sans
Medium (500)

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 &!?,.”

F4 – Source Sans
Semibold (600)

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 &!?,.”

F5 – Source Sans
Bold (700)

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 &!?,.”

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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 Sussex Central High School Exterior Signage and Wayfinding		Project No. BSA339001	
Date 10.03.25	Revisions	Scale N/A	Page Number 1.2

Colors



Basic Standards

Color 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.

PPG Architectural Finishes, Inc.
888.774.7732
www.ppghpc.com









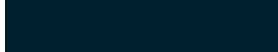
Matthews Paint Company
800.323.6593
www.matthewspaint.com

SprayLat Powder Coatings
940.665.9590
www.spraylat.com

Sherwin Williams
888.774.7732
sherwin-williams.com

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Paint Matches	Number	Color	Specification	Paint or Coating
	P1	SCHS Blue	Hex #0055B0	Matthews Acrylic Polyurethane Paint, Satin Finish Topcoat with 290 228Sp Super Satin Clear coat
	P2	SCHS Yellow	Hex #FFD700	Matthews Acrylic Polyurethane Paint, Satin Finish Topcoat with 290 228Sp Super Satin Clear coat
	P3	Commodore	SW 6524	Sherwin Williams Exterior Acrylic Latex Paint Topcoat with 290 228Sp Super Satin Clear coat (or equivalent)
	P4	Goldfinch	SW 6905	Sherwin Williams Exterior Acrylic Latex Paint Topcoat with 290 228Sp Super Satin Clear coat (or equivalent)
	P5	Biscuit	SW 6112	Sherwin Williams Exterior Acrylic Latex Paint Topcoat with 290 228Sp Super Satin Clear coat (or equivalent)
	P6	Pewter S11	Match to Fabral Pewter S11	Matthews Acrylic Polyurethane Paint, Satin Finish Topcoat with 290 228Sp Super Satin Clear coat
	P10	Iron Ore	SW 7069	Sherwin Williams Exterior Acrylic Latex Paint Topcoat with 290 228Sp Super Satin Clear coat (or equivalent)
	P12	Shadow fill	Base color: Transparent Gray (LC 4024) Clear coat: Clear (LC 4004)	Lithichrome Stone Paint Clear coat to be re-applied every 4-5 years
	P13	Anchors Aweigh	SW 9179	Sherwin Williams Exterior Acrylic Latex Paint Topcoat with 290 228Sp Super Satin Clear coat (or equivalent)

Client/Project Sussex Central High School Exterior Signage and Wayfinding			Project No. BSA339001
Date 10.03.25	Revisions	Scale N/A	Page Number 1.3

Materials






Basic Standards

Material Standards

Vendor Information

Reading Rock, Inc
800.482.6466
readingrock.com

Custom Matches	Number	Material	Specification	Fabrication Process
	M1	Precast Concrete	Reading Rock RockCast Masonry Veneer, Charlotte Tan	Match to architectural finish
	M2	Brick Wall	Continental #416 (Velour) Econo size	Match to architectural finish
	M3	Aluminum	Horizontally brushed finish	Topcoat with 290 228Sp Super Satin Clear coat

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Client/Project		Project No.	
Sussex Central High School Exterior Signage and Wayfinding		BSA339001	
Date	Revisions	Scale	Page Number
10.03.25		N/A	1.4

Symbols



Basic Standards

Graphic Standards

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 to the fabricator as electronic, digital files.

FABRICATOR MUST USE ARTWORK SUPPLIED; NO SUBSTITUTE ARTWORK OR TYPESETTING WILL BE ACCEPTED.

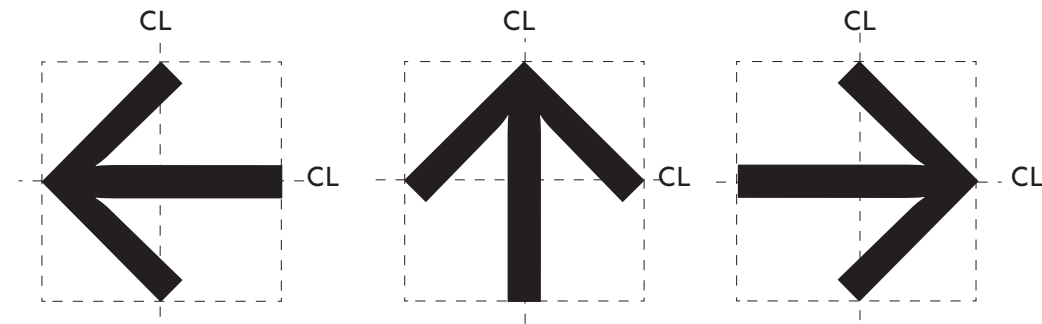
alt:

The type layouts for this project have been carefully created, sized and spaced.

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Arrows



S1 Directional Arrow

Artwork



A1 Golden Knights



A2 SC Logo



A3 FFA Logo

Symbols



S1 Parking

Client/Project Sussex Central High School Exterior Signage and Wayfinding		Project No. BSA339001	
Date 10.03.25	Revisions	Scale N/A	Page Number 1.5

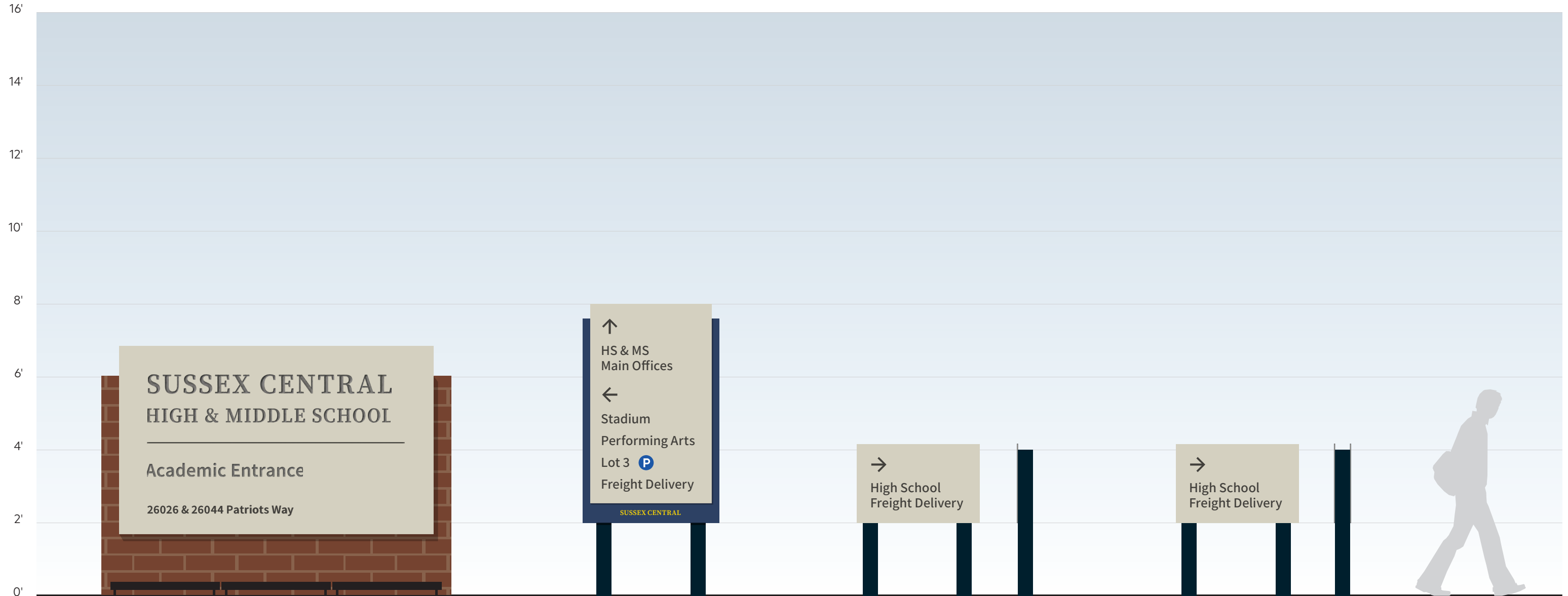
Section 2 Sign System Overview

Sign Type Overview



Sign Type Overview

Further detail for individual sign types is included in section 3



GW1
Gateway ID

VD2b
Vehicular Directional
Medium

VD3a
Vehicular Directional
Small
Single Faced

VD3b
Vehicular Directional
Small
Double Faced

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Client/Project	Date	Scale	Page Number
Sussex Central High School Exterior Signage and Wayfinding	10.03.25	3/8" = 1'	2.2
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Sign Type Overview



Further detail for individual sign types is included in section 3



BID1a
Building ID
Canopy-mounted

BID1b
Building ID
Canopy-mounted

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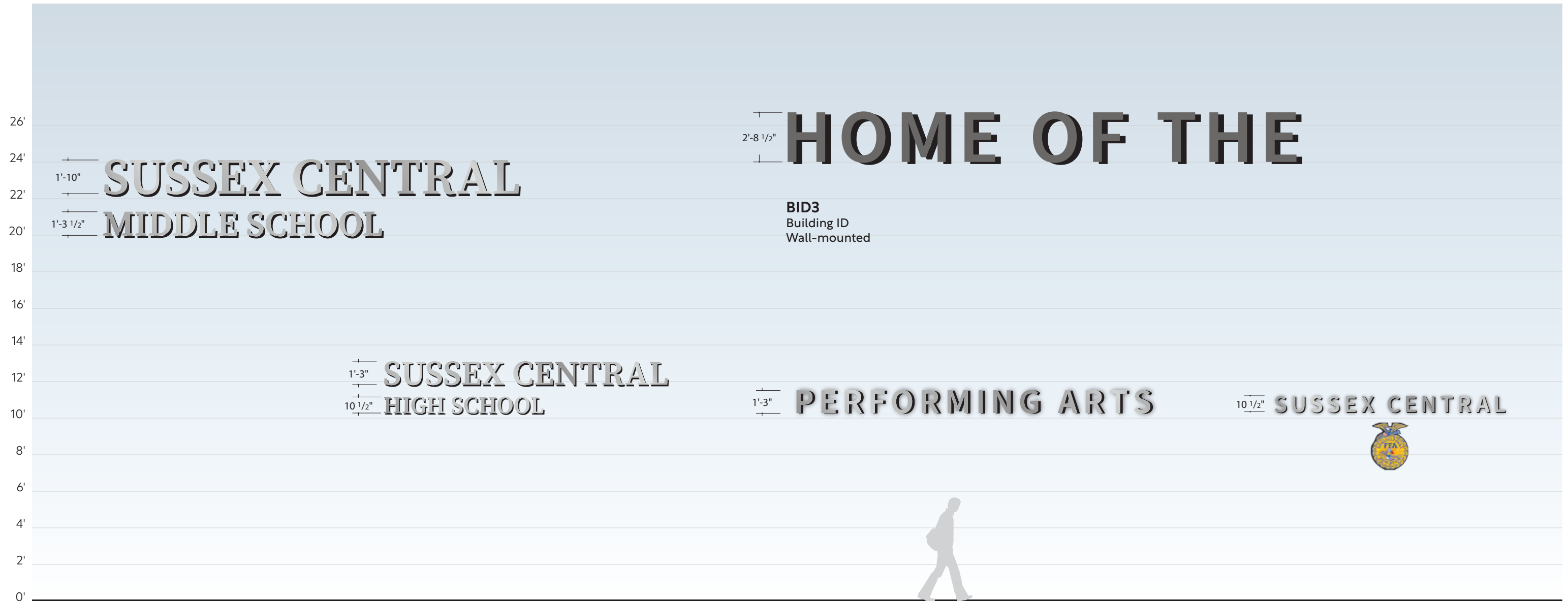
Client/Project	Date	Scale	Page Number
Sussex Central High School Exterior Signage and Wayfinding	10.03.25	3/8" = 1'	2.3
© 2025 Cloud Gehshan Design			

Sign Type Overview



Sign Type Overview

Further detail for individual sign types is included in section 3



BID2a
Building ID
Wall-mounted

BID2b
Building ID
Wall-mounted

BID2c
Building ID
Wall-mounted

BID2d
Building ID
Wall-mounted

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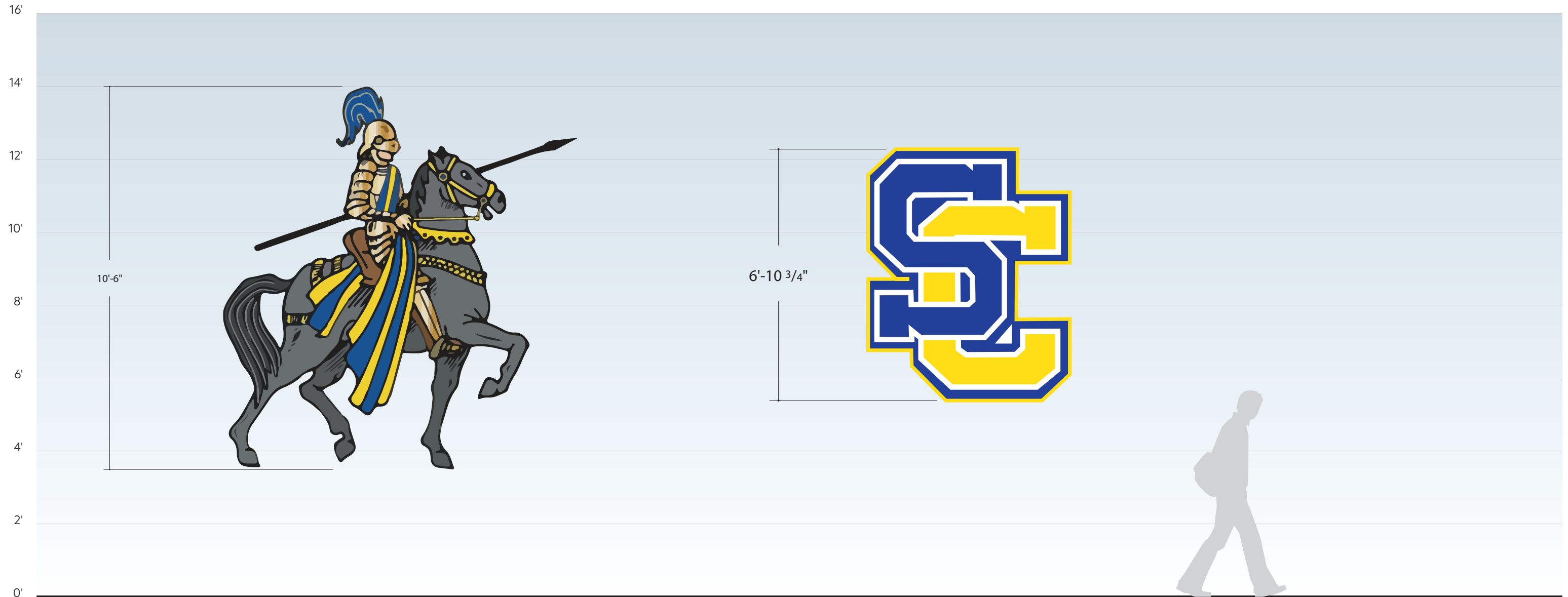
Client/Project	Date	Scale	Page Number
Sussex Central High School Exterior Signage and Wayfinding	10.03.25	3/16" = 1'	2.4
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Sign Type Overview



Sign Type Overview

Further detail for individual sign types is included in section 3



BID4a
Athletics Logo
Wall-mounted

BID4b
Athletics Logo
Wall-mounted

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Client/Project	Date	Scale	Page Number
Sussex Central High School Exterior Signage and Wayfinding	10.03.25	3/8" = 1'	2.5
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Section 3 Design Intent

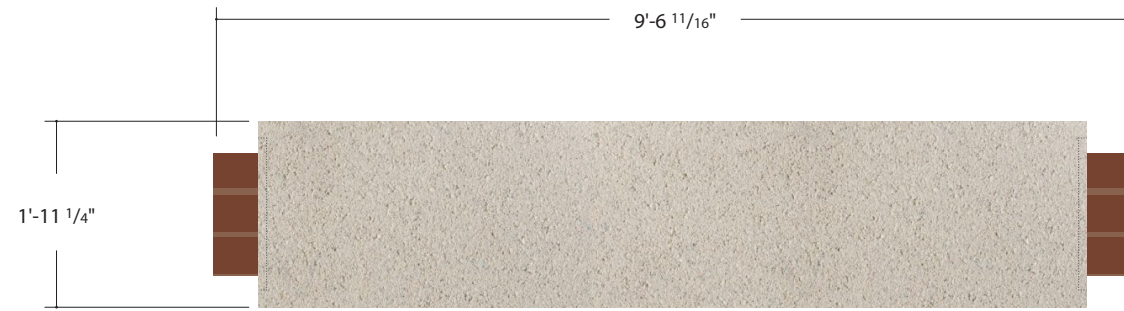
GW1 – Gateway ID



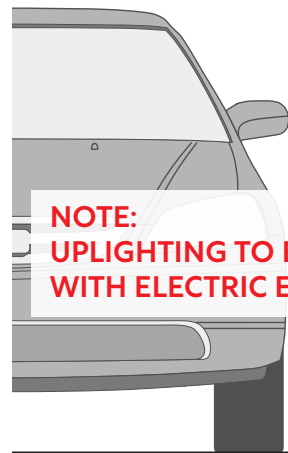
Design Intent

Note:
Only the GW1 sign type is to be illuminated, but externally via up-lighting. Light specification and detailing to be coordinated by other project trades, not the sign vendor.

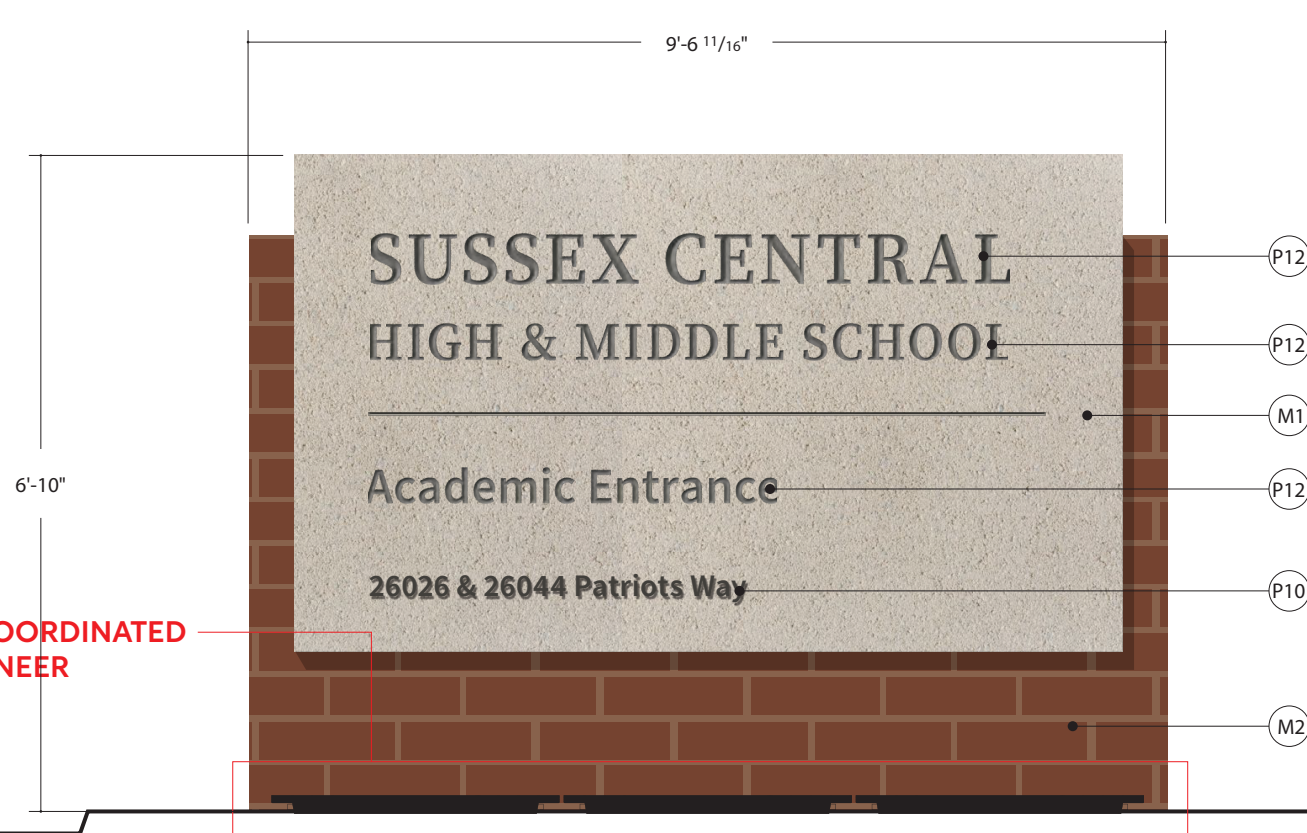
Additional sign location/placement information to be documented on the civil/landscape drawings in order to ensure no conflicts with conduits included in the new project. A utility mark-out will need to be called in by the sign fabricator prior to any digging/excavation on site for purposes of installing footers/structures.



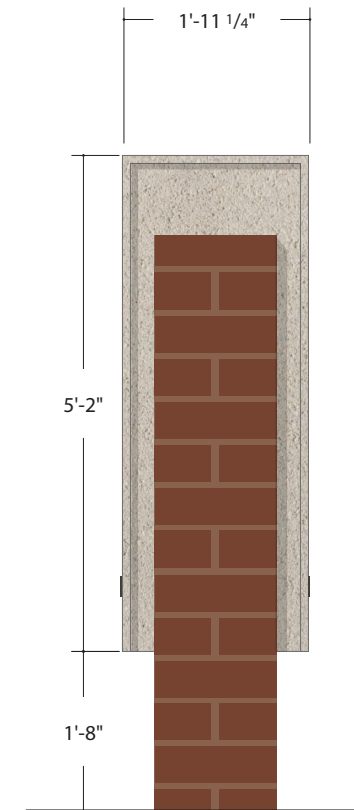
2 Plan
scale: 1/2" = 1'-0"



NOTE:
UPLIGHTING TO BE COORDINATED WITH ELECTRIC ENGINEER



1 Elevation – GW1
scale: 1/2" = 1'-0"



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



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

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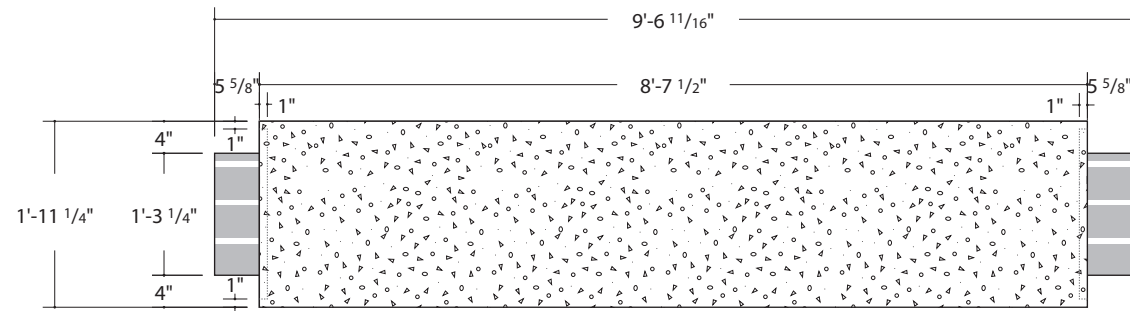
- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
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Client/Project	Date	Scale	Page Number
Sussex Central High School Exterior Signage and Wayfinding	10.03.25	As Noted	3.2
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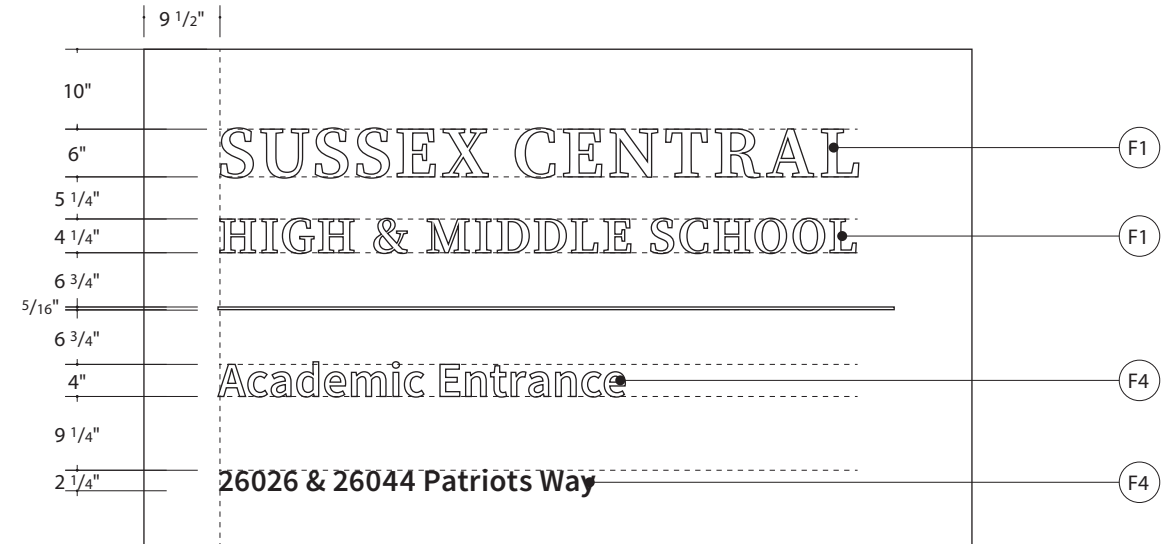
GW1 – Gateway ID



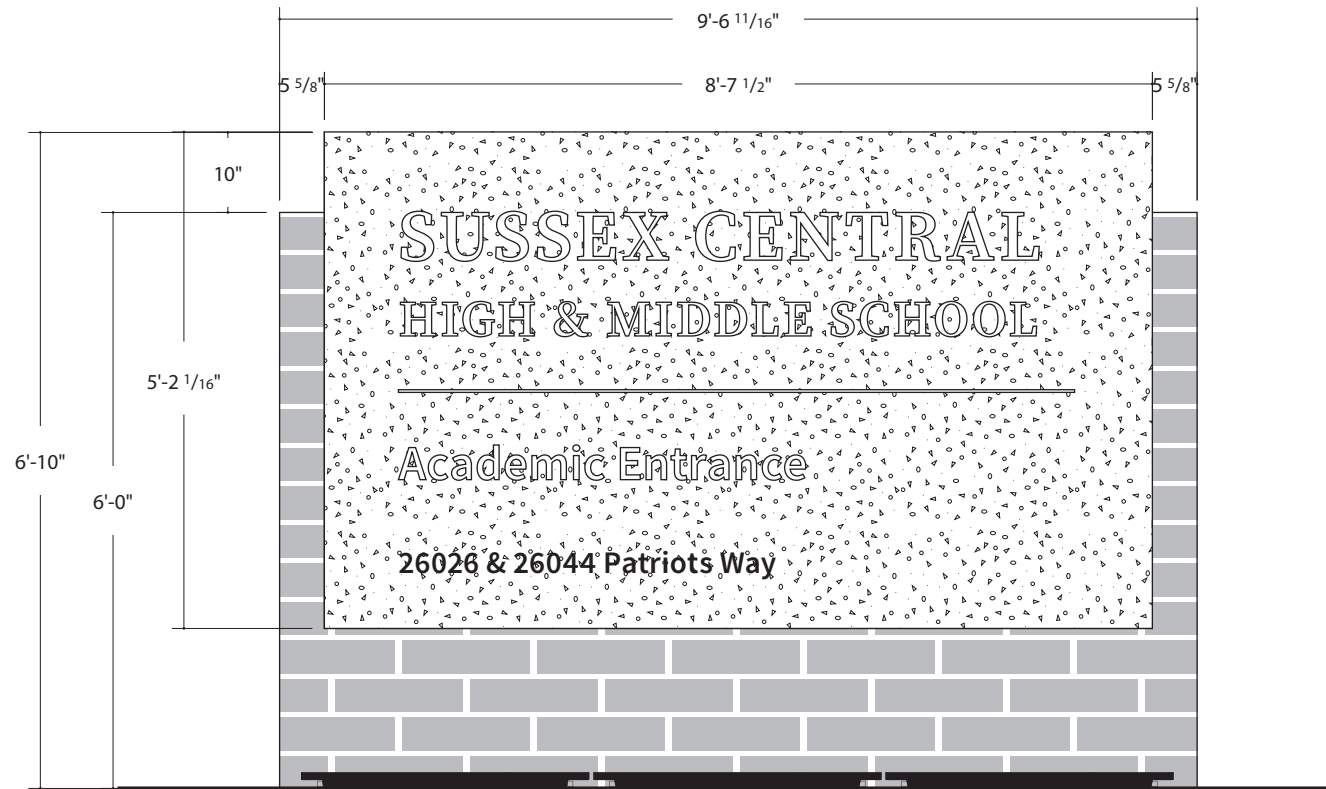
Design Intent



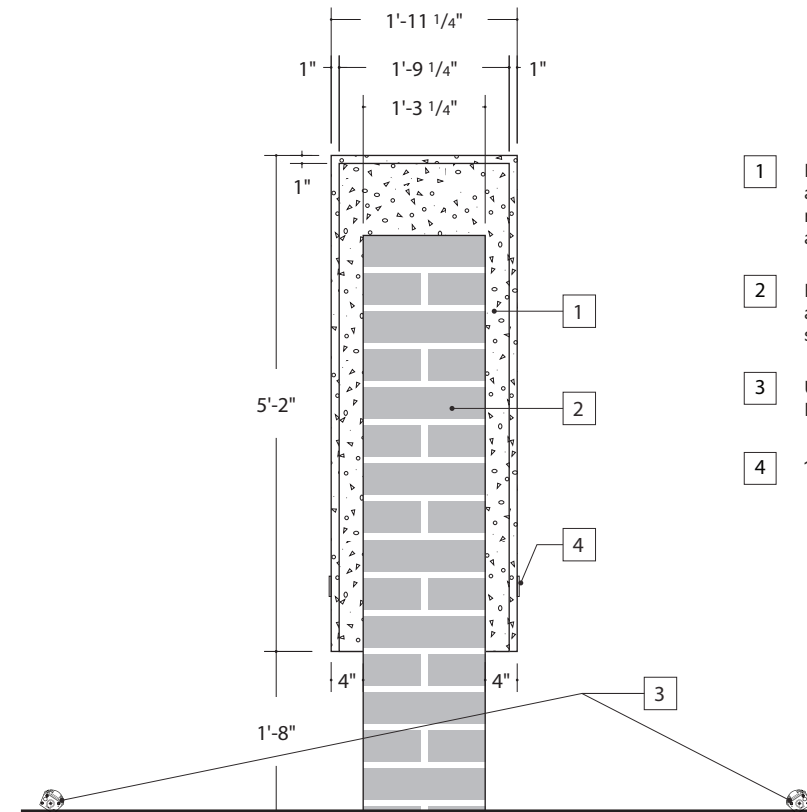
2 Plan
scale: 1/2" = 1'-0"



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



1 Elevation – GW1
scale: 1/2" = 1'-0"



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

- 1 Precast concrete top. Fabricator to provide concrete color samples for approval to match architectural finish. Sides to inset 1" deep. Carved (or molded) and shadow filled school and entrance name. Cutout letters for address to be flush mounted to the surface.
- 2 Brick veneer wall cladding. Fabricator to provide samples to match architectural finish. Brick walls to be glued or clipped to internal structure.
- 3 Uplighting to wash sign face at night. To be coordinated with landscape. Distance from the sign face to be determined to receive lighting evenly.
- 4 1/4" thick cutout letters for address to be flush mounted to the surface.

Note:
Full-size vector artwork will be issued to the awarded fabricator for production purposes.

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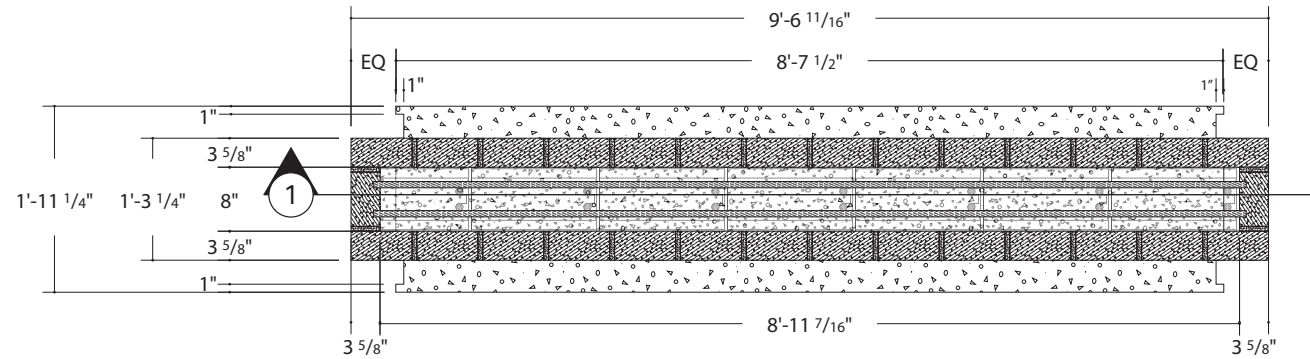
Client/Project	Date	Scale	Page Number
Sussex Central High School Exterior Signage and Wayfinding	10.03.25	As Noted	3.3
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GW1 – Gateway ID

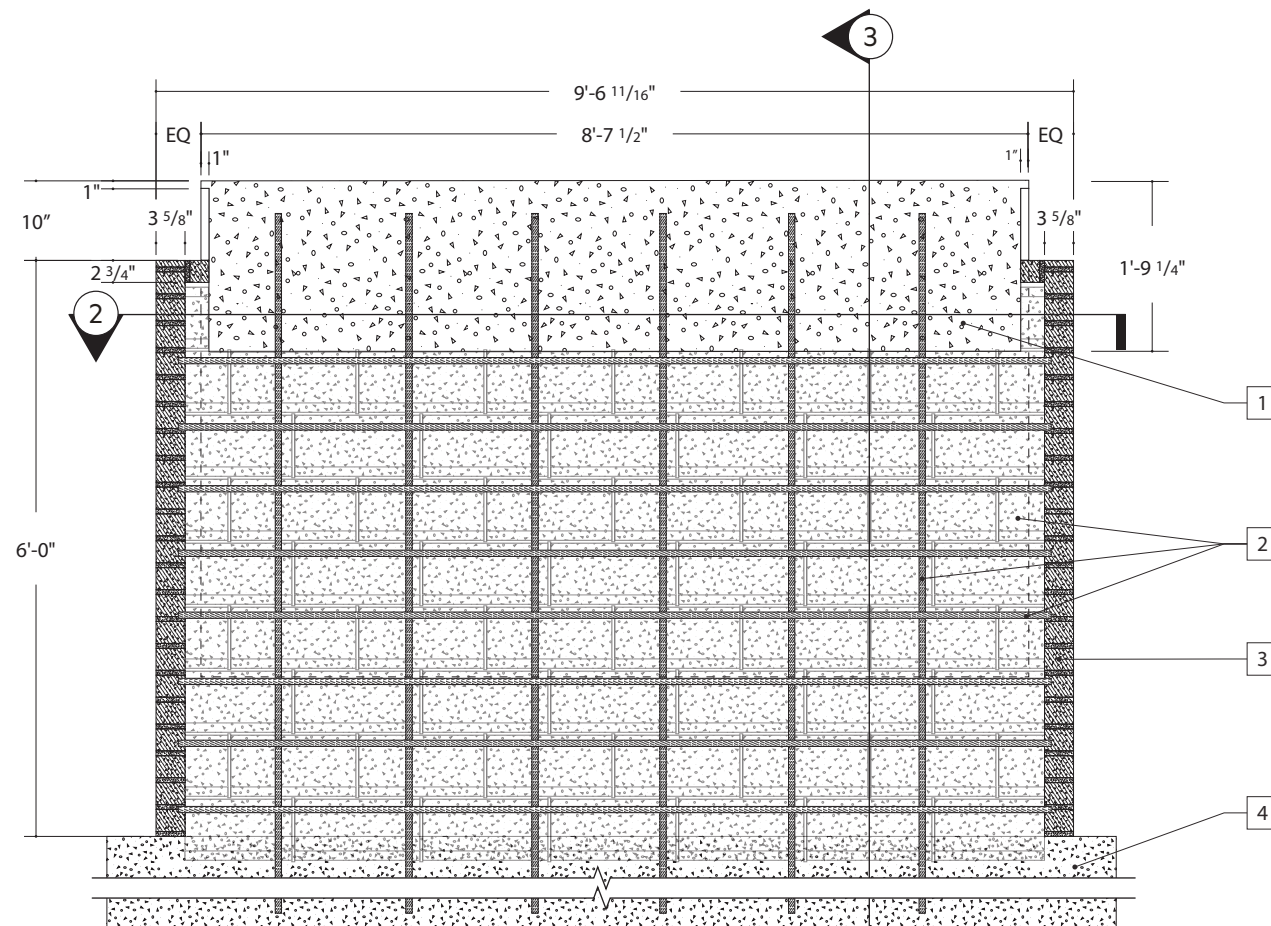


Design Intent

Internal structure option 1 – Ivory Block (or CMU Block)

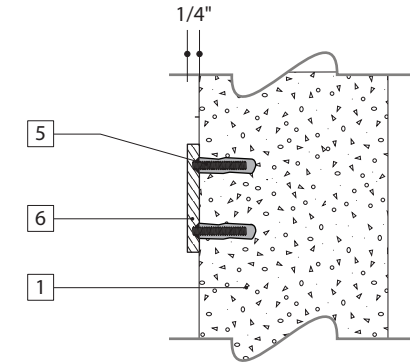


2 Plan Section
scale: 1/2" = 1'-0"

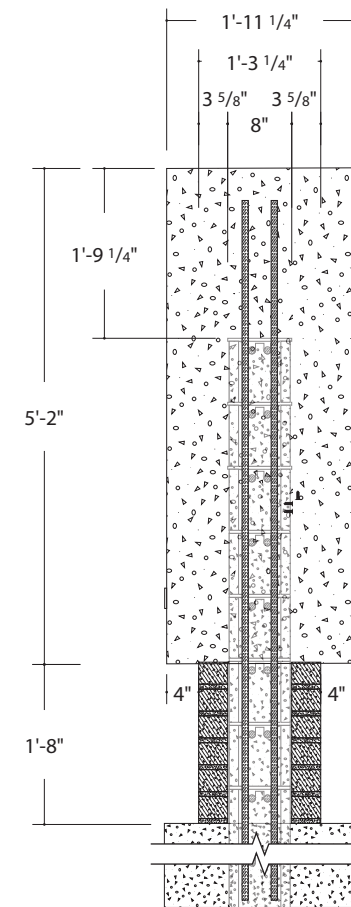


1 Longitudinal Section – GW1
scale: 1/2" = 1'-0"

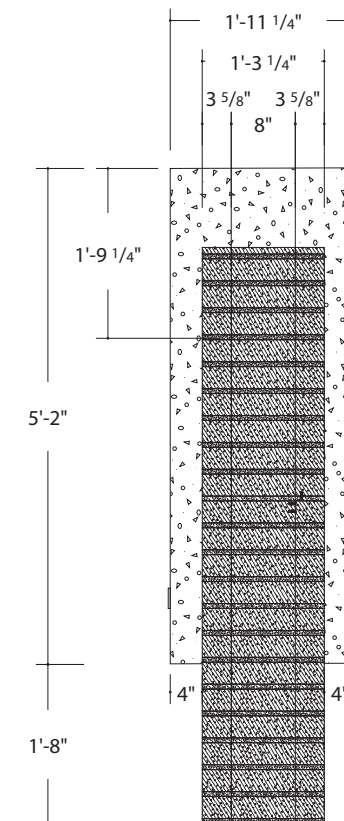
- 1 Precast concrete top. Fabricator to provide concrete color samples for approval to match architectural finish. Sides to inset 1" deep. Carved (or molded) and shadow filled school and entrance name. Cutout letters for address to be flush mounted to the surface.
- 2 Masonry wall with Ivory Block (or CMU Block) concrete core and reinforced steel bar structure, grout solid with concrete, clad with specified brick veneer wall.
- 3 Brick veneer wall cladding. Fabricator to provide samples to match architectural finish. Brick walls to be glued or clipped to internal structure.
- 4 Fabricator to provide engineer stamped concrete foundation and structure.
- 5 Drill hole and insert threaded stud with appropriate secure anchor, place anchors in precast concrete wall, fabricator to provide details (patch & repair any blemishes from installation to be seamless)
- 6 Water-jet/router cut 1" thick aluminum artwork, with short-grain horizontally brushed finish and super-satin clear coat



5 Typical Side Section Detail – Cutout Letters
scale: 3" = 1'-0"



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



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

Note:
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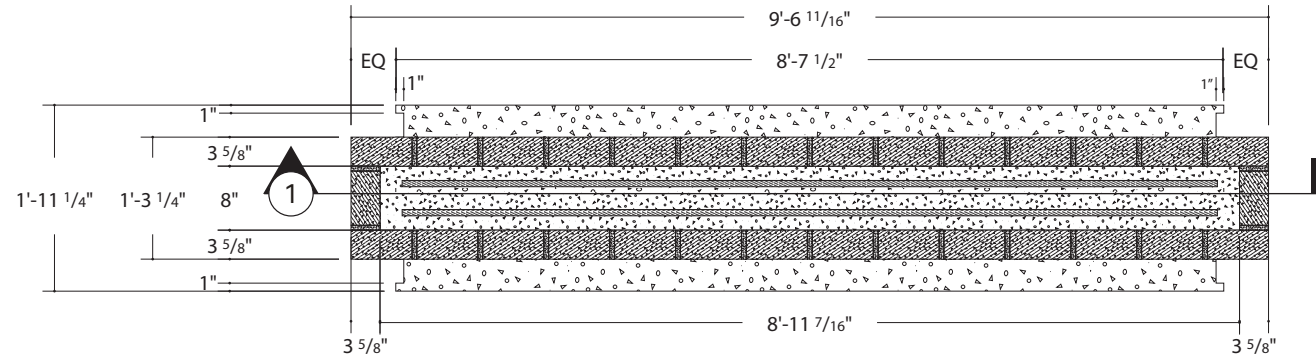
Client/Project Sussex Central High School Exterior Signage and Wayfinding	Date 10.03.25	Scale As Noted	Page Number 3.4
© 2025 Cloud Gehshan Design			

GW1 – Gateway ID

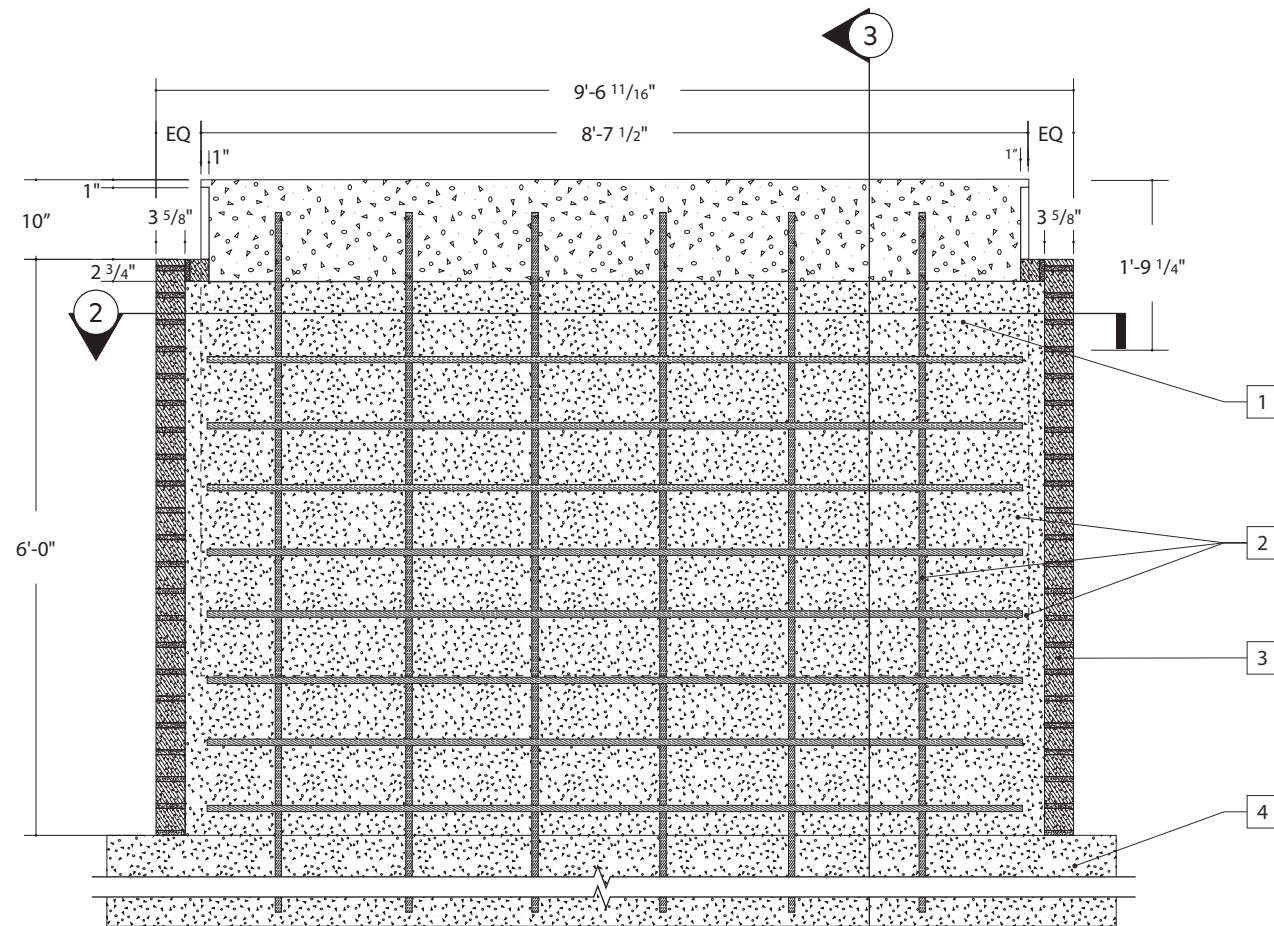


Design Intent

Internal structure option 2 – Poured Concrete

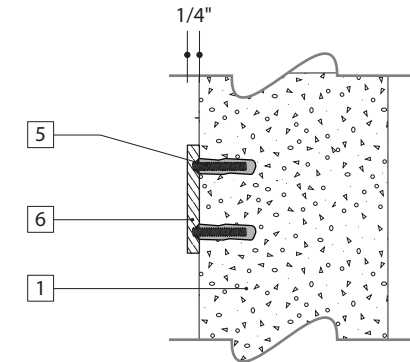


2 Plan Section
scale: 1/2" = 1'-0"

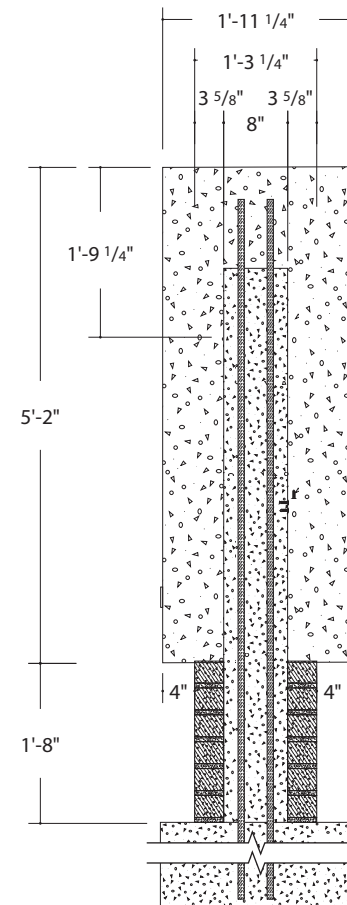


1 Longitudinal Section – GW1
scale: 1/2" = 1'-0"

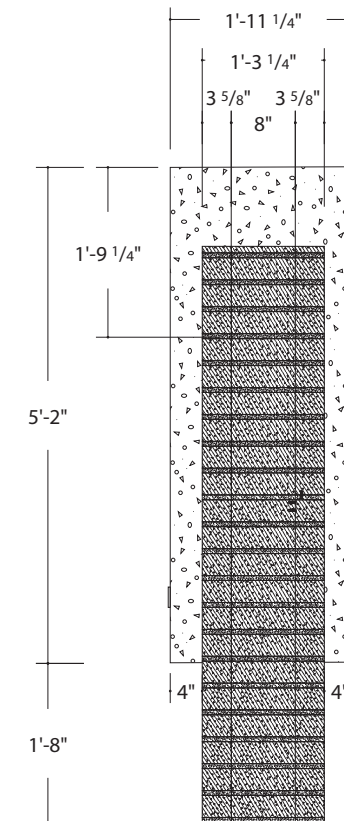
- 1 Precast concrete top. Fabricator to provide concrete color samples for approval to match architectural finish. Sides to inset 1" deep. Carved (or molded) and shadow filled school and entrance name. Cutout letters for address to be flush mounted to the surface.
- 2 Masonry wall with poured concrete and reinforced steel bar structure, grout solid with concrete, clad with specified brick veneer wall.
- 3 Brick veneer wall cladding. Fabricator to provide samples to match architectural finish. Brick walls to be glued or clipped to internal structure.
- 4 Fabricator to provide engineer stamped concrete foundation and structure.
- 5 Drill hole and insert threaded stud with appropriate secure anchor, place anchors in precast concrete wall, fabricator to provide details (patch & repair any blemishes from installation to be seamless)
- 6 Water-jet/router cut 1" thick aluminum artwork, with short-grain horizontally brushed finish and super-satin clear coat



5 Typical Side Section Detail – Cutout Letters
scale: 3" = 1'-0"



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



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

Note:
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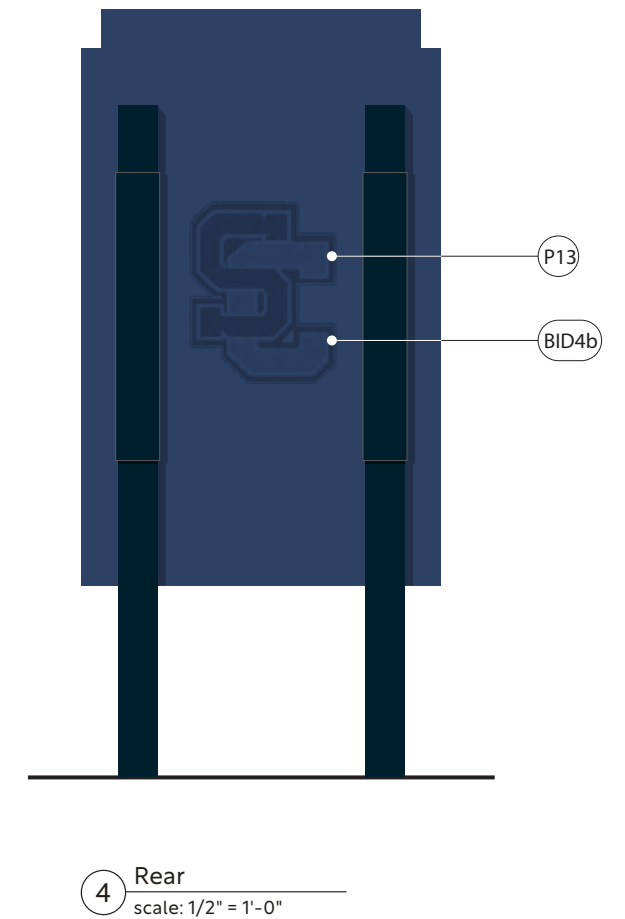
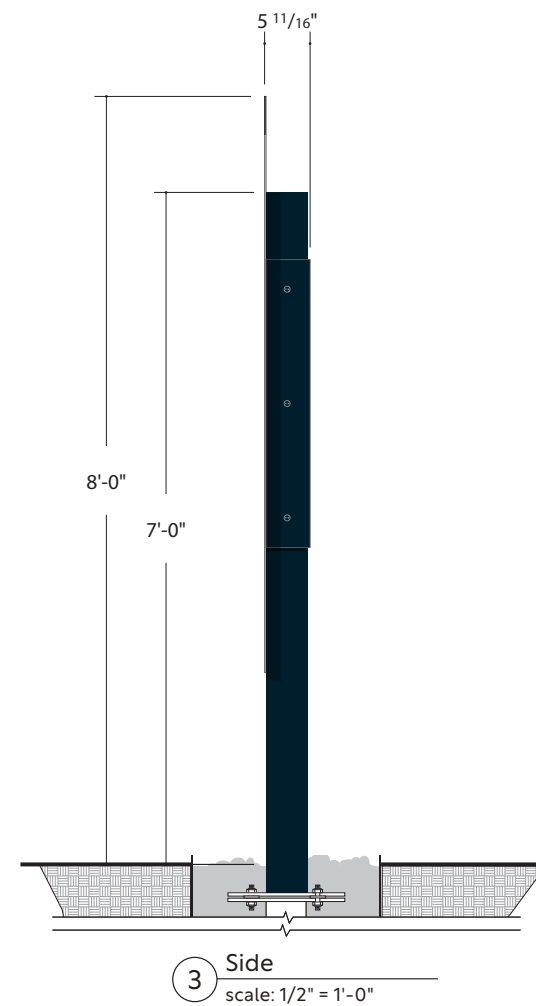
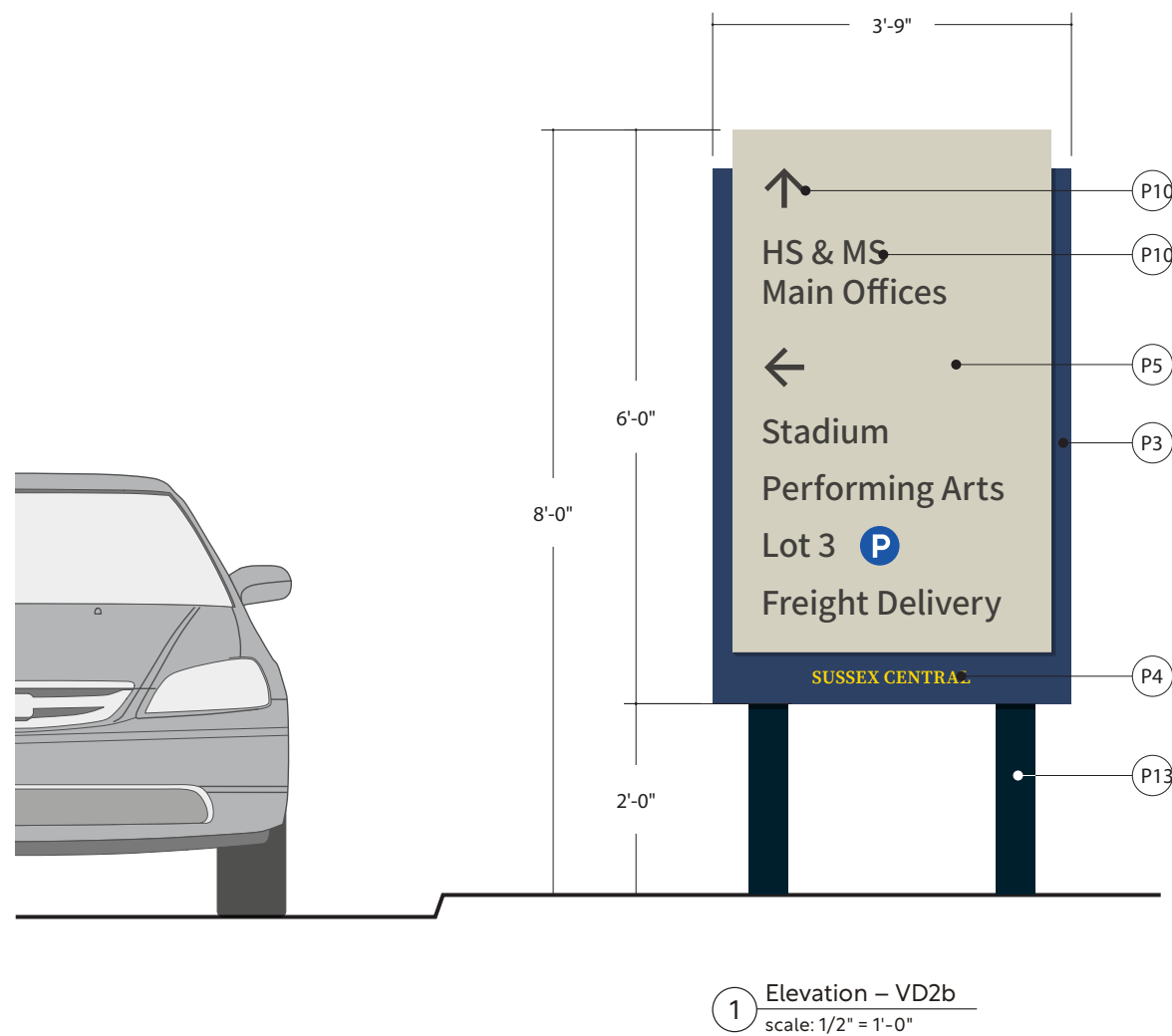
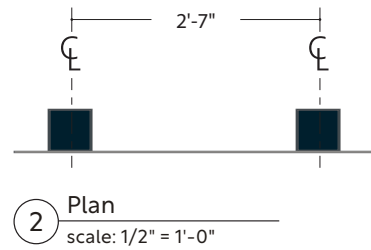
Client/Project Sussex Central High School Exterior Signage and Wayfinding	Date 10.03.25	Scale As Noted	Page Number 3.5
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VD2b – Vehicular Directional-Medium



Design Intent

Note:
 Layout guidelines for sign type VD2b is shown on page 3.7. The awarded fabricator will be required to produce layout proofs for all sign locations based on the provided guidelines and message schedule included in section 4. Layout proofs will be reviewed by the design team prior to approval for production.



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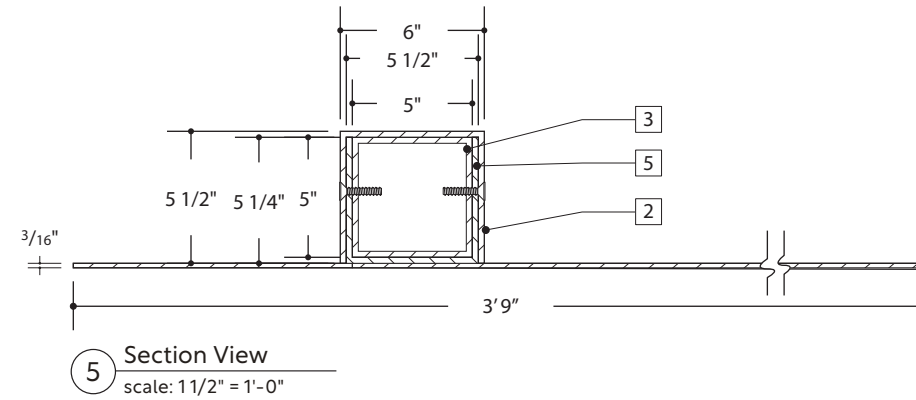
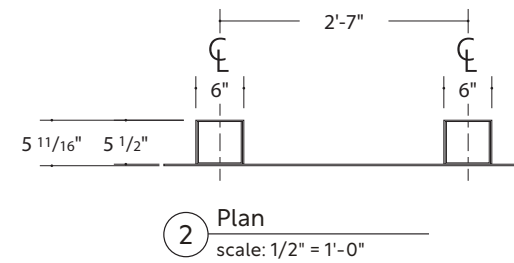
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Client/Project	Date	Scale	Page Number
Sussex Central High School Exterior Signage and Wayfinding	10.03.25	As Noted	3.6
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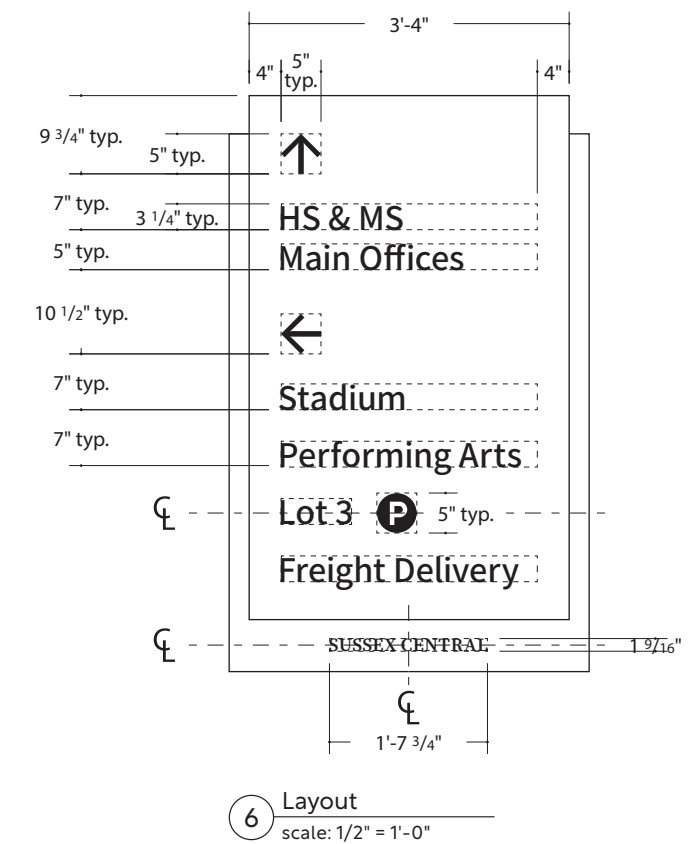
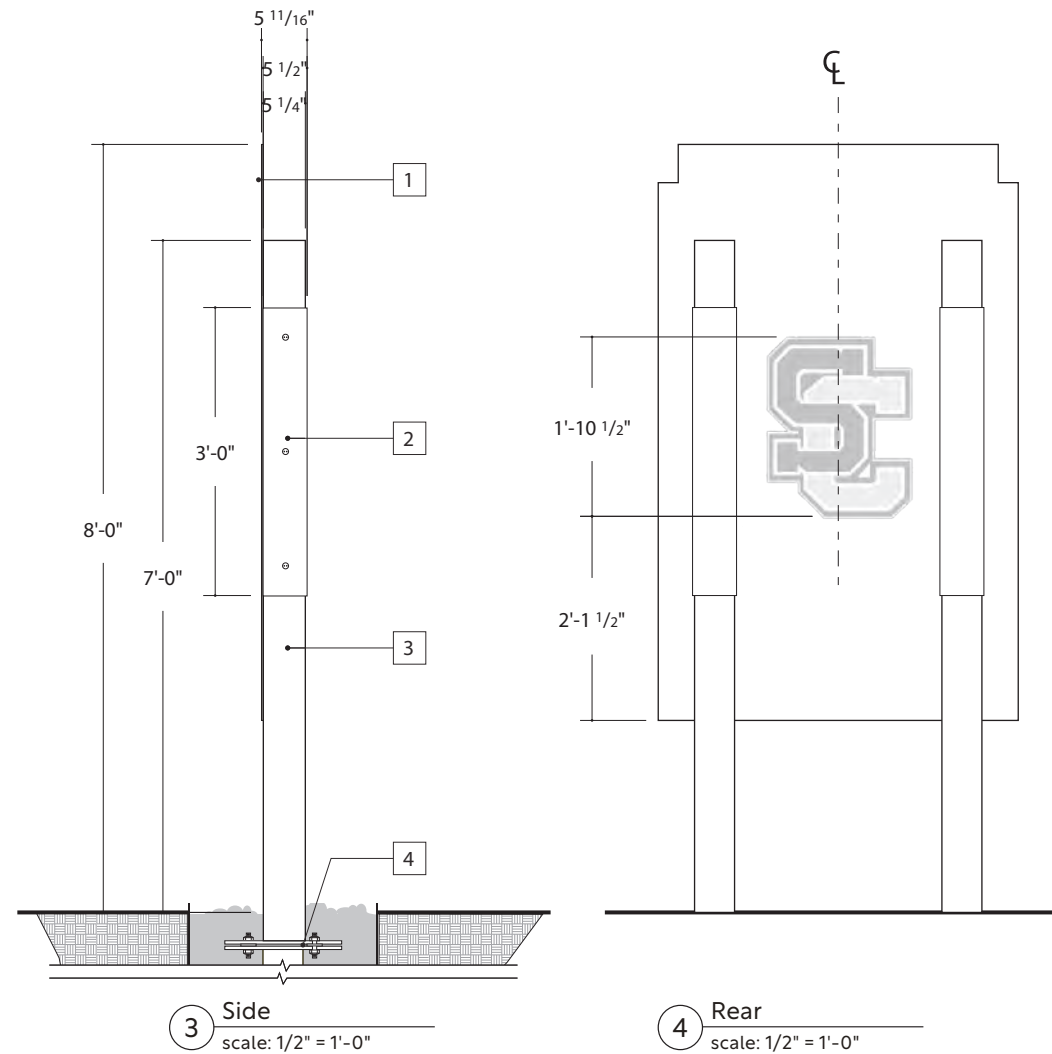
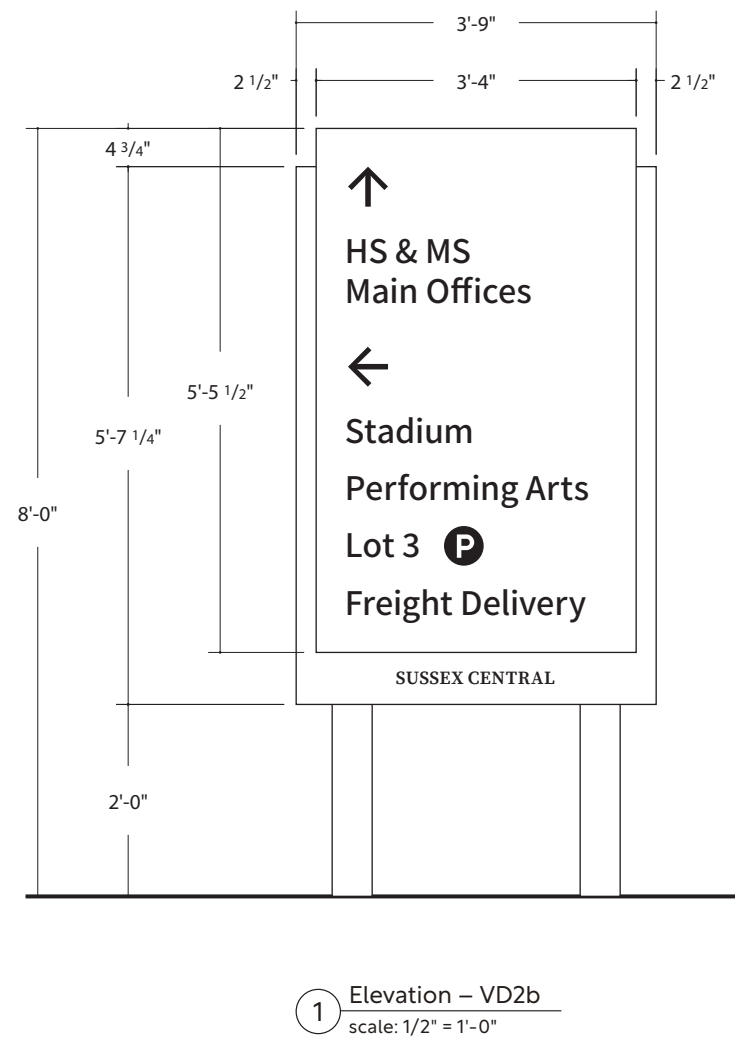
VD2b – Vehicular Directional-Medium



Design Intent



- 1 3/16" thick painted aluminum panel with direct print message on first surface and graphic on second surface. Mask and spray background colors. Aluminum C-channel to be welded to back side of the panel to be attached to posts.
- 2 6" x 5 1/2" x 1/4" wall C-channel cuff to cover mounting clip. Mechanically fastened with fasteners painted to match.
- 3 5"x5" painted aluminum extrusion
- 4 Matchplate footer details to be engineered and provided for approval, 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.
- 5 5 1/2" x 5 1/4" x 1/4" wall C-channel welded to message panel. Mechanically fastened to 5" x 5" tube.



This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:

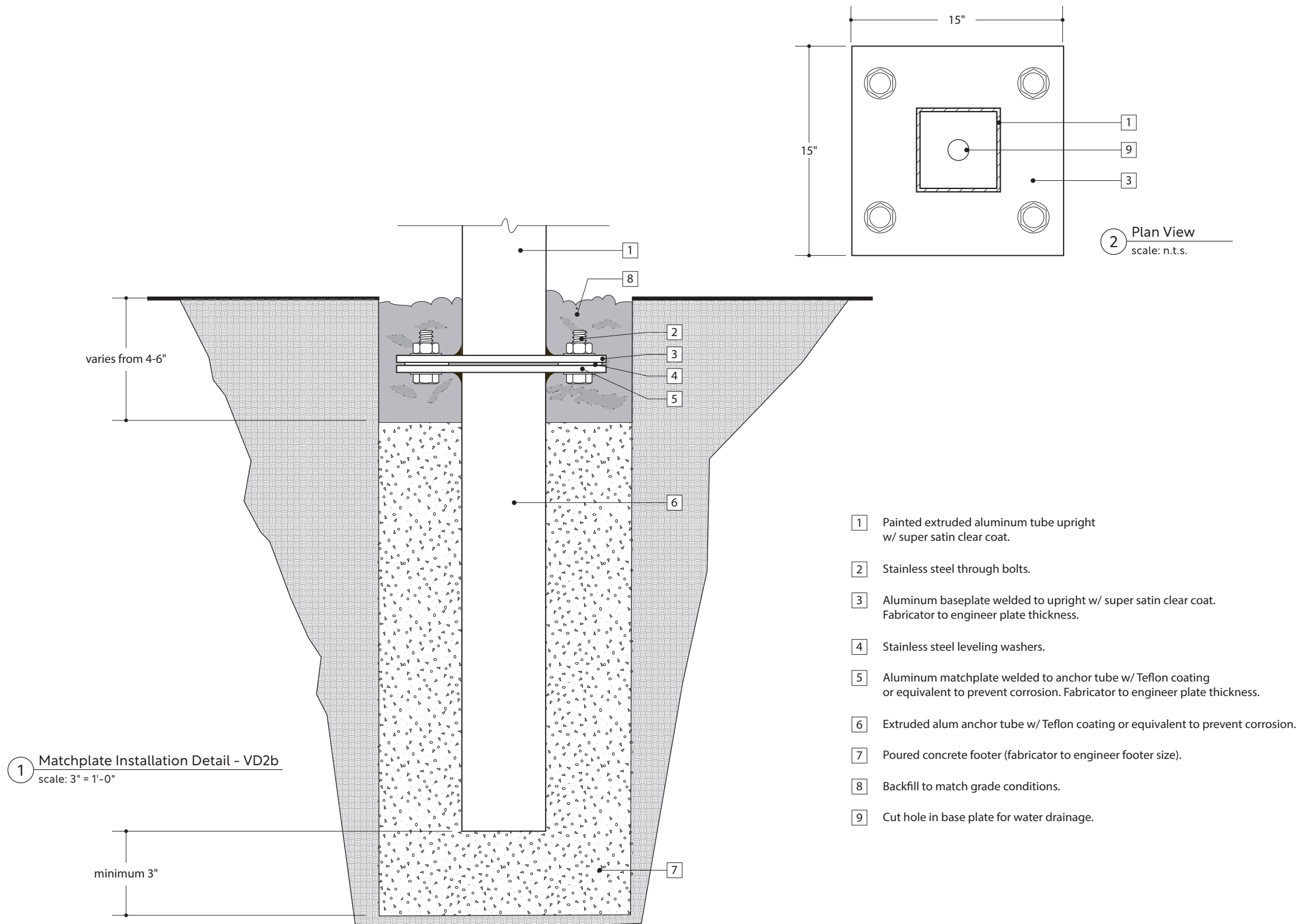
- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering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

Client/Project	Date	Scale	Page Number
Sussex Central High School Exterior Signage and Wayfinding	10.03.25	As Noted	3.7
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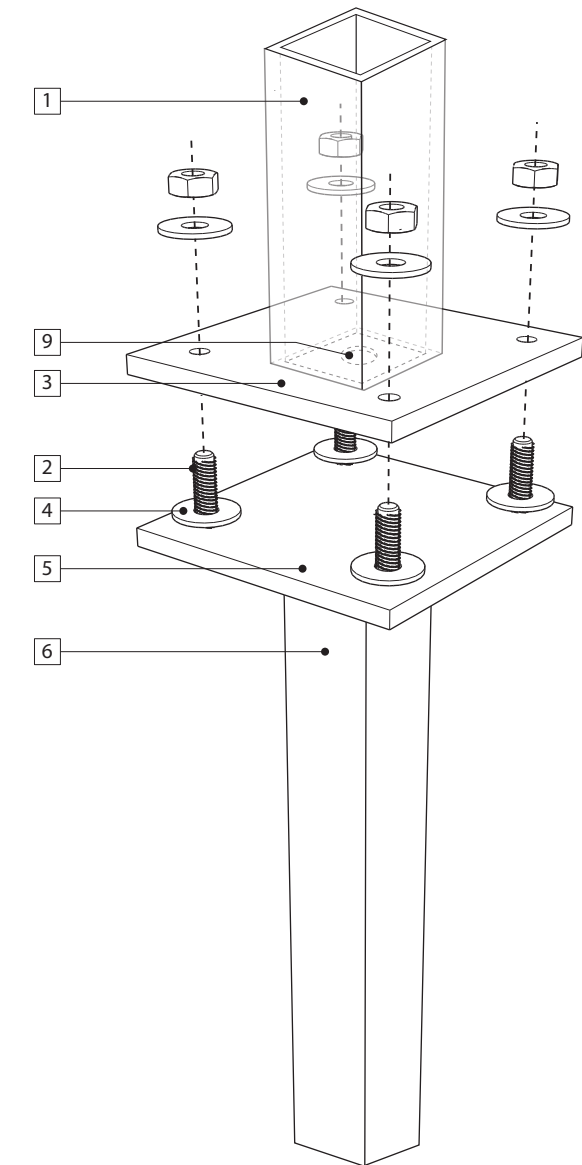
VD2b – Vehicular Directional-Medium



Design Intent



- 1 Painted extruded aluminum tube upright w/ super satin clear coat.
- 2 Stainless steel through bolts.
- 3 Aluminum baseplate welded to upright w/ super satin clear coat. Fabricator to engineer plate thickness.
- 4 Stainless steel leveling washers.
- 5 Aluminum matchplate welded to anchor tube w/ Teflon coating or equivalent to prevent corrosion. Fabricator to engineer plate thickness.
- 6 Extruded alum anchor tube w/ Teflon coating or equivalent to prevent corrosion.
- 7 Poured concrete footer (fabricator to engineer footer size).
- 8 Backfill to match grade conditions.
- 9 Cut hole in base plate for water drainage.



3 Axo Exploded View
scale: n.t.s.

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.

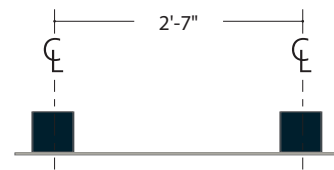
Client/Project Sussex Central High School Exterior Signage and Wayfinding	Date 10.03.25	Scale As Noted	Page Number 3.8
© 2025 Cloud Gehshan Design			

VD3a – Vehicular Directional-Small, Double Faced

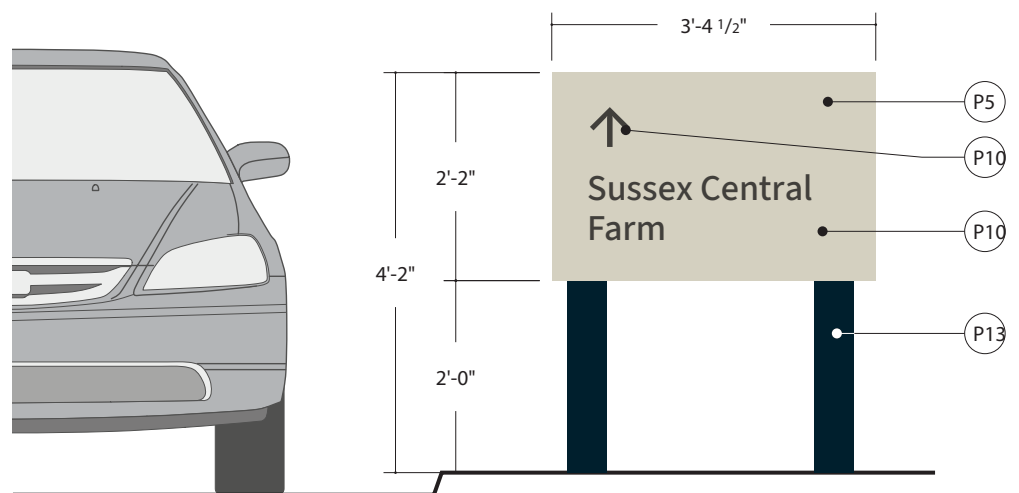


Design Intent

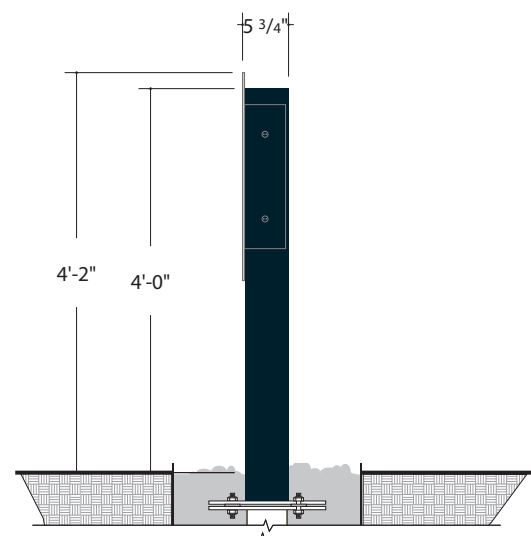
Note:
 Layout guidelines for sign type VD3a is shown on page 3.10. The awarded fabricator will be required to produce layout proofs for all sign locations based on the provided guidelines and message schedule included in section 4. Layout proofs will be reviewed by the design team prior to approval for production.



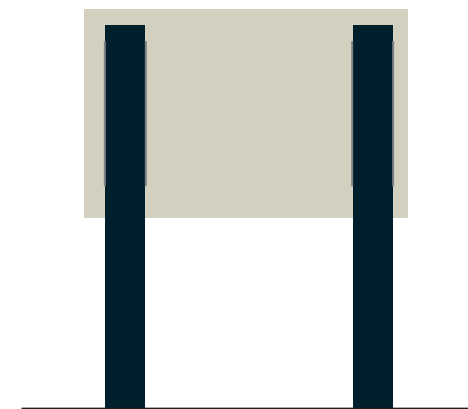
2 Plan
 scale: 1/2" = 1'-0"



1 Elevation – VD3a
 scale: 1/2" = 1'-0"



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



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

This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:

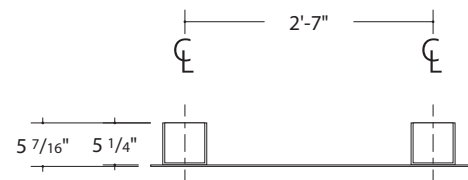
- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering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

Client/Project Sussex Central High School Exterior Signage and Wayfinding	Date 10.03.25	Scale As Noted	Page Number 3.9
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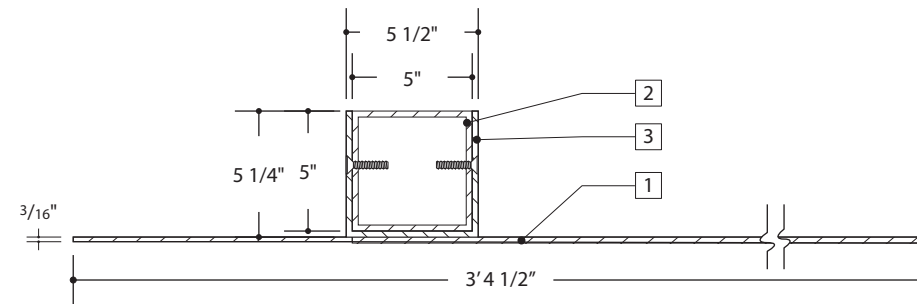
VD3a – Vehicular Directional-Small, Double Faced



Design Intent

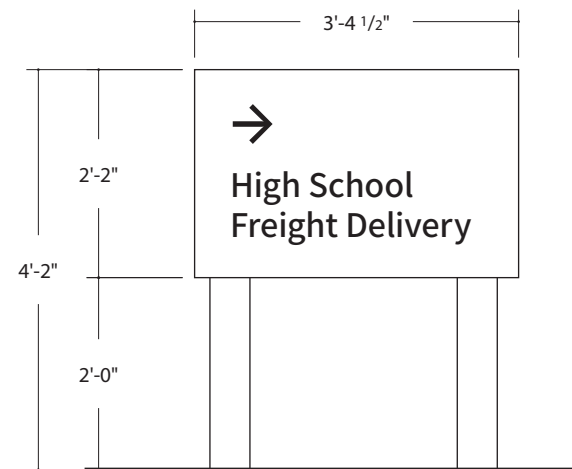


2 Plan
scale: 1/2" = 1'-0"

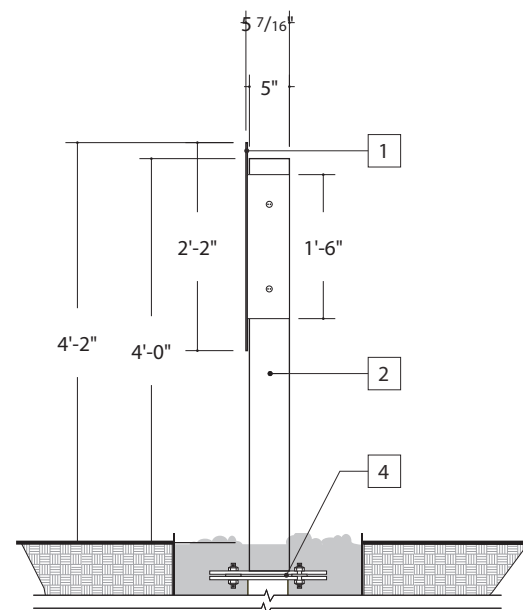


5 Section View
scale: 1 1/2" = 1'-0"

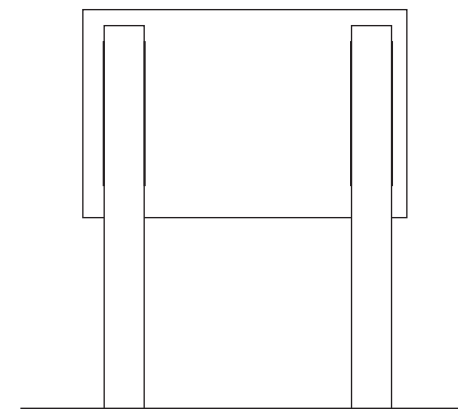
- 1 3/16" thick painted aluminum panel attached to posts. Message to be direct print.
- 2 5"x5" painted aluminum extrusion
- 3 C-channel cuff to be welded to back of message panel. Mount to posts with tamper-proof counter-sunk screws
- 4 Matchplate footer details to be engineered and provided for approval, 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.



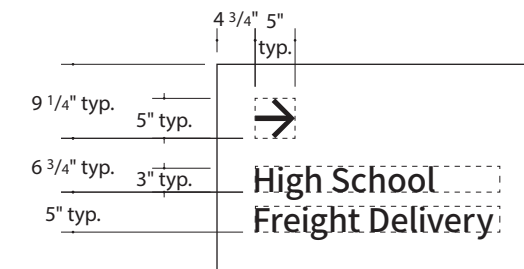
1 Elevation – VD3a
scale: 1/2" = 1'-0"



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



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



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

This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:

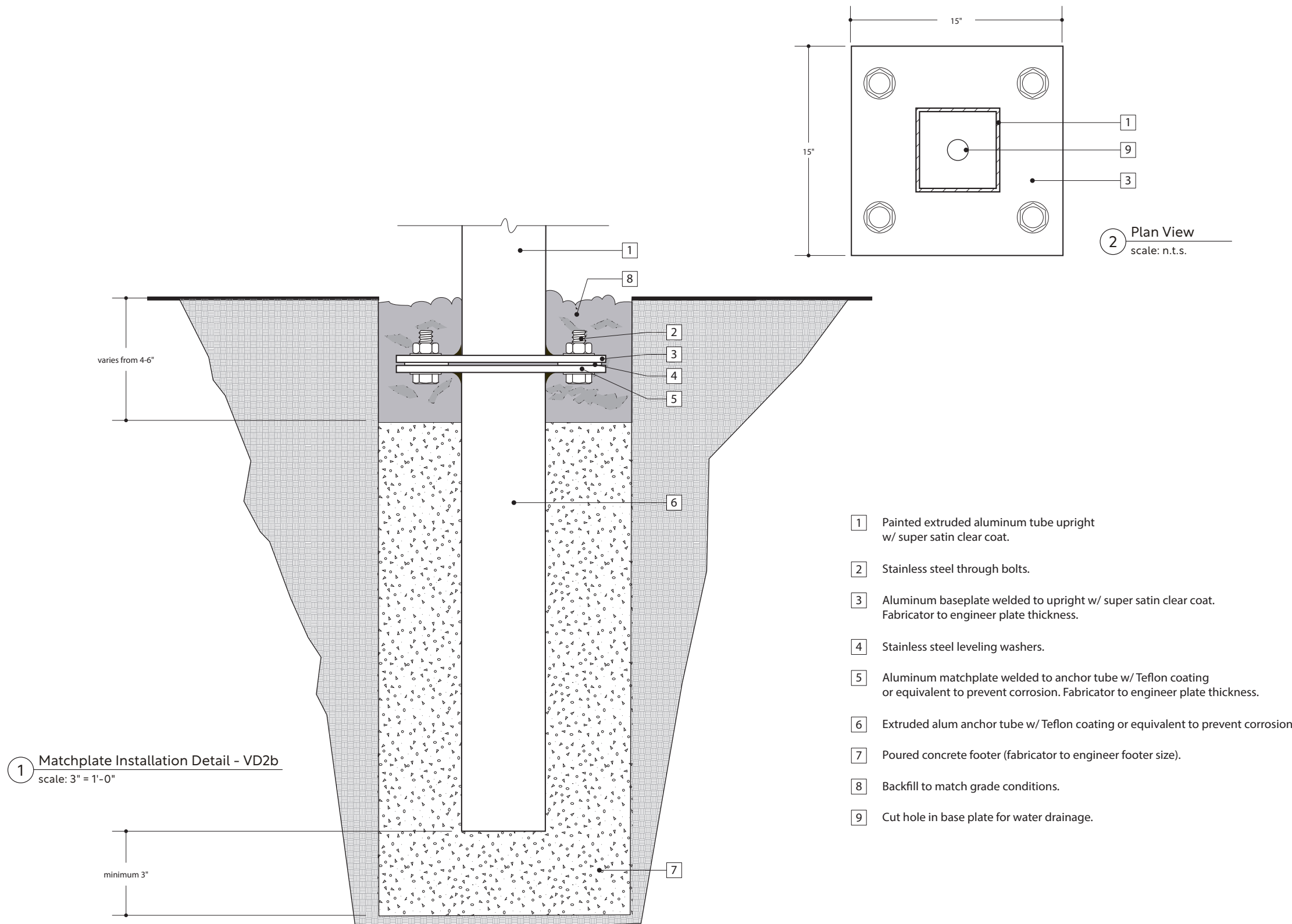
- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering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

Client/Project	Date	Scale	Page Number
Sussex Central High School Exterior Signage and Wayfinding	10.03.25	As Noted	3.10
© 2025 Cloud Gehshan Design			

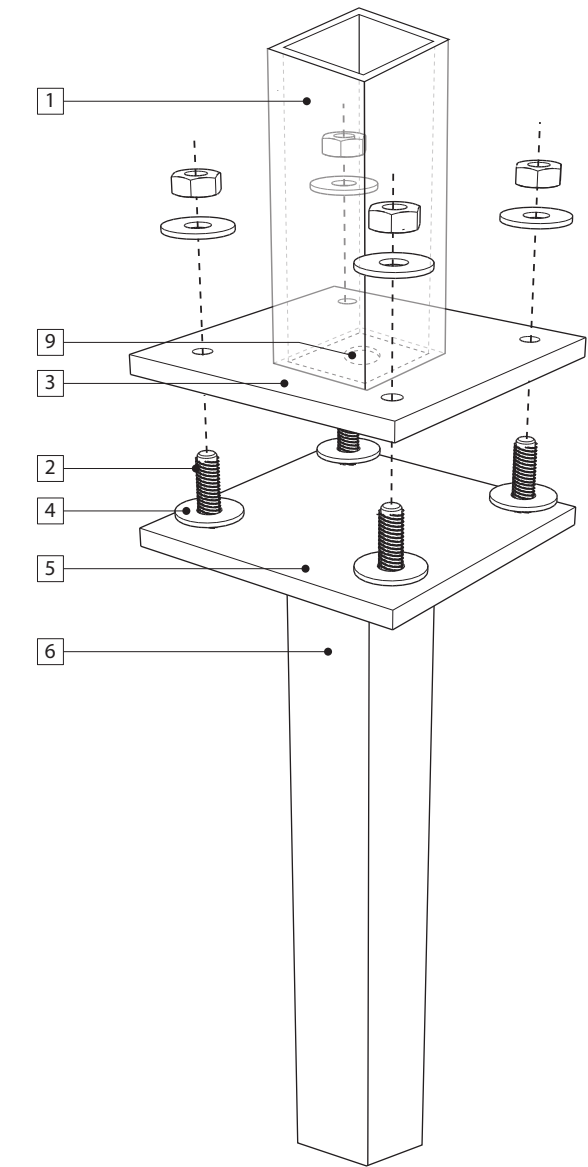
VD3a – Vehicular Directional-Small, Double Faced



Design Intent



- 1** Painted extruded aluminum tube upright w/ super satin clear coat.
- 2** Stainless steel through bolts.
- 3** Aluminum baseplate welded to upright w/ super satin clear coat. Fabricator to engineer plate thickness.
- 4** Stainless steel leveling washers.
- 5** Aluminum matchplate welded to anchor tube w/ Teflon coating or equivalent to prevent corrosion. Fabricator to engineer plate thickness.
- 6** Extruded alum anchor tube w/ Teflon coating or equivalent to prevent corrosion.
- 7** Poured concrete footer (fabricator to engineer footer size).
- 8** Backfill to match grade conditions.
- 9** Cut hole in base plate for water drainage.



3 Axo Exploded View
scale: n.t.s.

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.

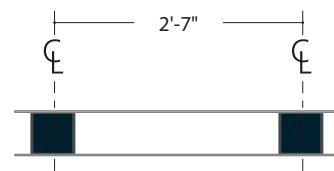
Client/Project Sussex Central High School Exterior Signage and Wayfinding	Date 10.03.25	Scale As Noted	Page Number 3.11
© 2025 Cloud Gehshan Design			

VD3b – Vehicular Directional-Small, Single Faced

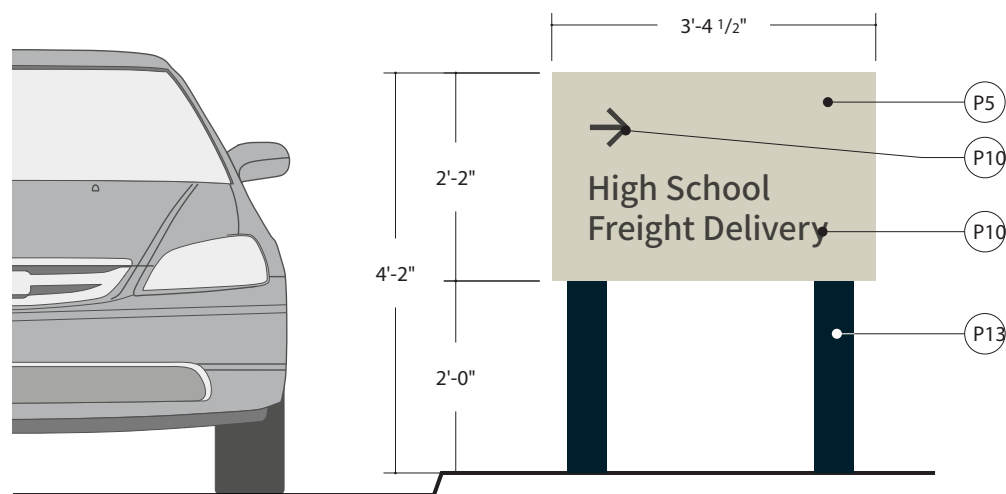


Design Intent

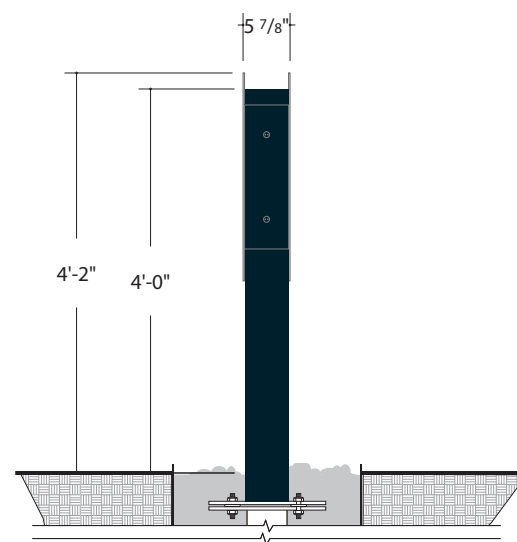
Note:
 Layout guidelines for sign type VD3b is shown on page 3.13. The awarded fabricator will be required to produce layout proofs for all sign locations based on the provided guidelines and message schedule included in section 4. Layout proofs will be reviewed by the design team prior to approval for production.



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



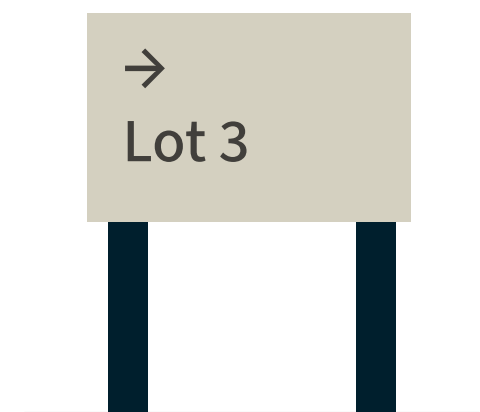
1 Elevation – VD3b
 scale: 1/2" = 1'-0"



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



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



5 Alt layout for lots
 scale: 1/2" = 1'-0"

This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:

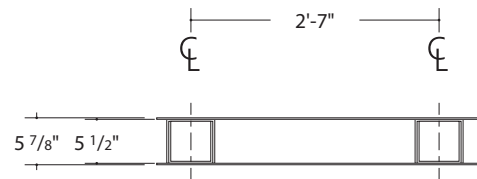
- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering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

Client/Project	Date	Scale	Page Number
Sussex Central High School Exterior Signage and Wayfinding	10.03.25	As Noted	3.12
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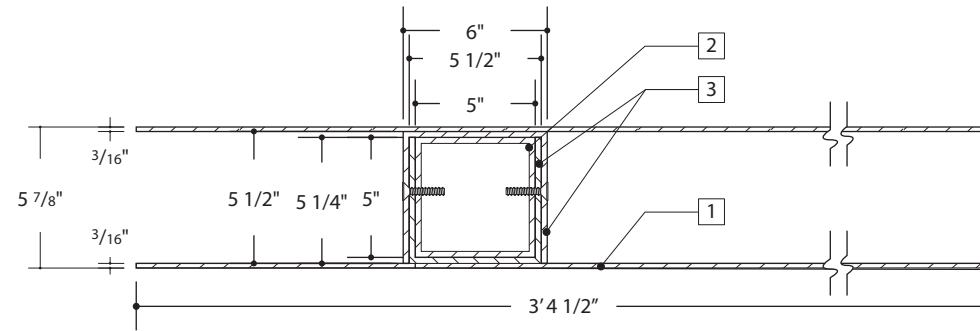
VD3b – Vehicular Directional-Small, Single Faced



Design Intent

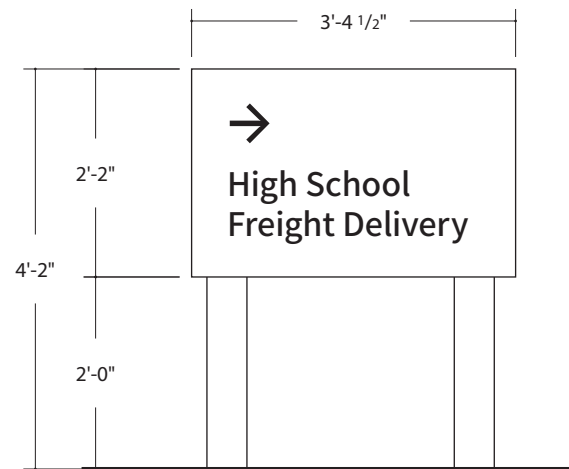


2 Plan
scale: 1/2" = 1'-0"

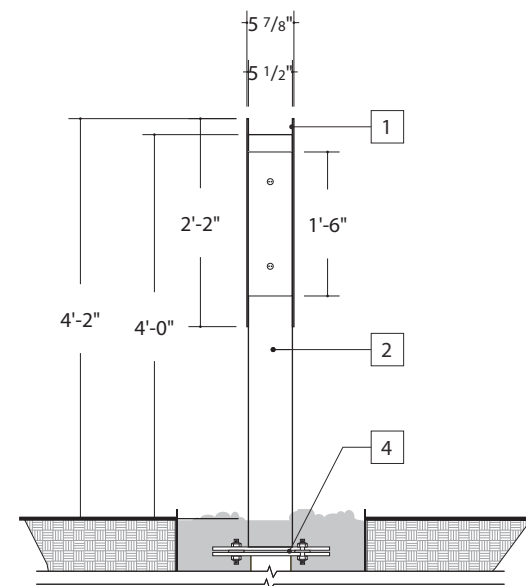


5 Section View
scale: 1 1/2" = 1'-0"

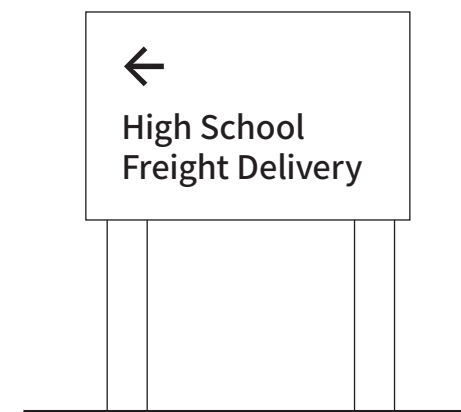
- 1 3/16" thick painted aluminum panel attached to posts. Message to be direct print.
- 2 5"x5" painted aluminum extrusion
- 3 C-channel cuff to be welded to back of message panel. Mount to posts with tamper-proof counter-sunk screws
- 4 Matchplate footer details to be engineered and provided for approval, 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.



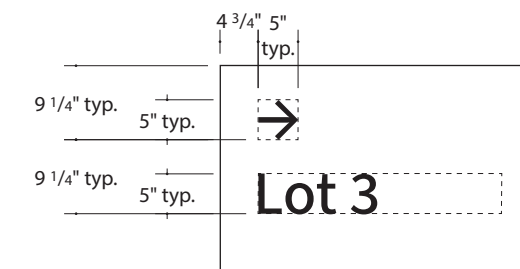
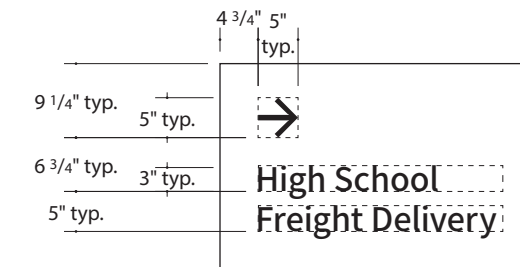
1 Elevation – VD3b
scale: 1/2" = 1'-0"



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



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



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

This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:

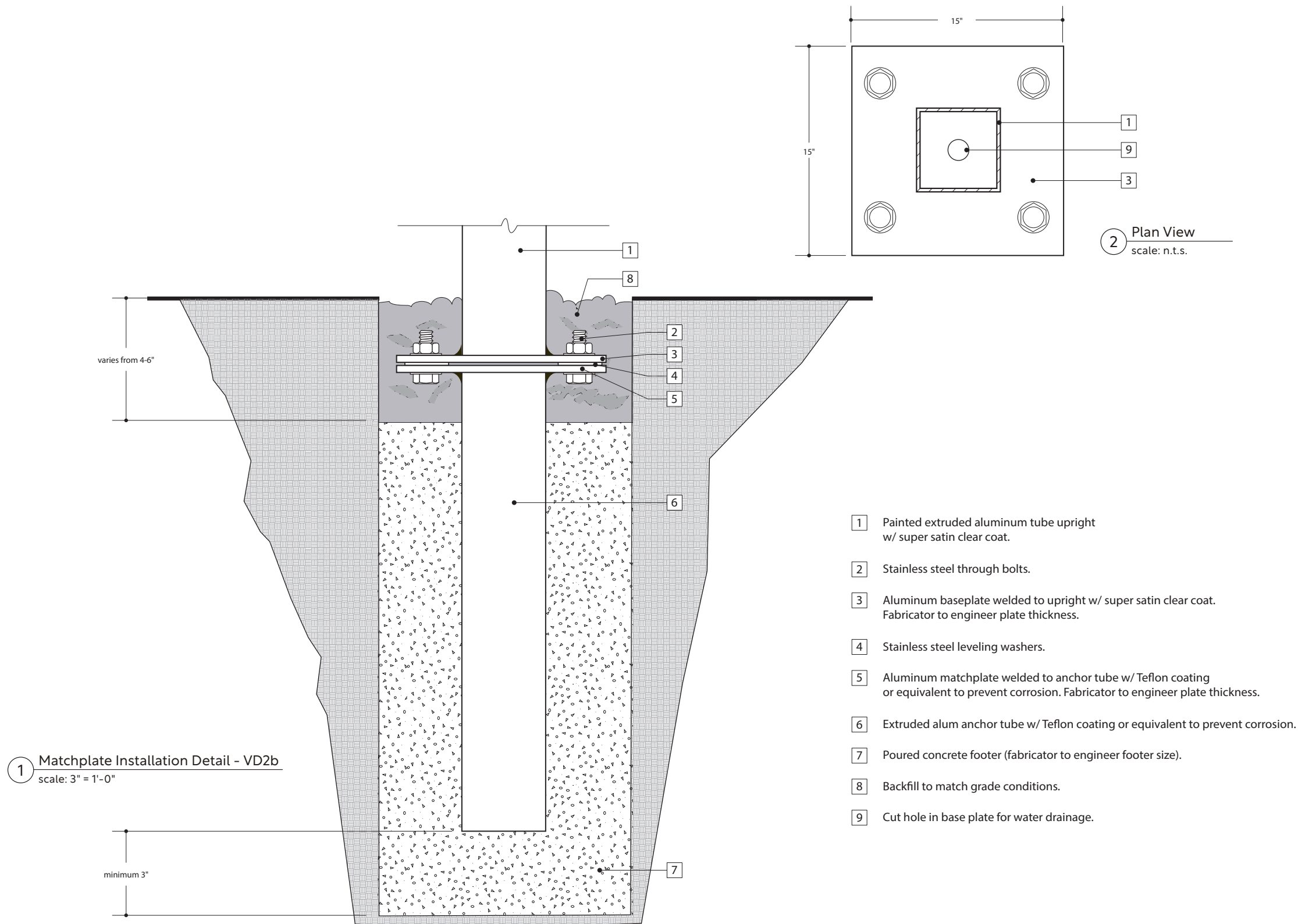
- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering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

Client/Project	Date	Scale	Page Number
Sussex Central High School Exterior Signage and Wayfinding	10.03.25	As Noted	3.13
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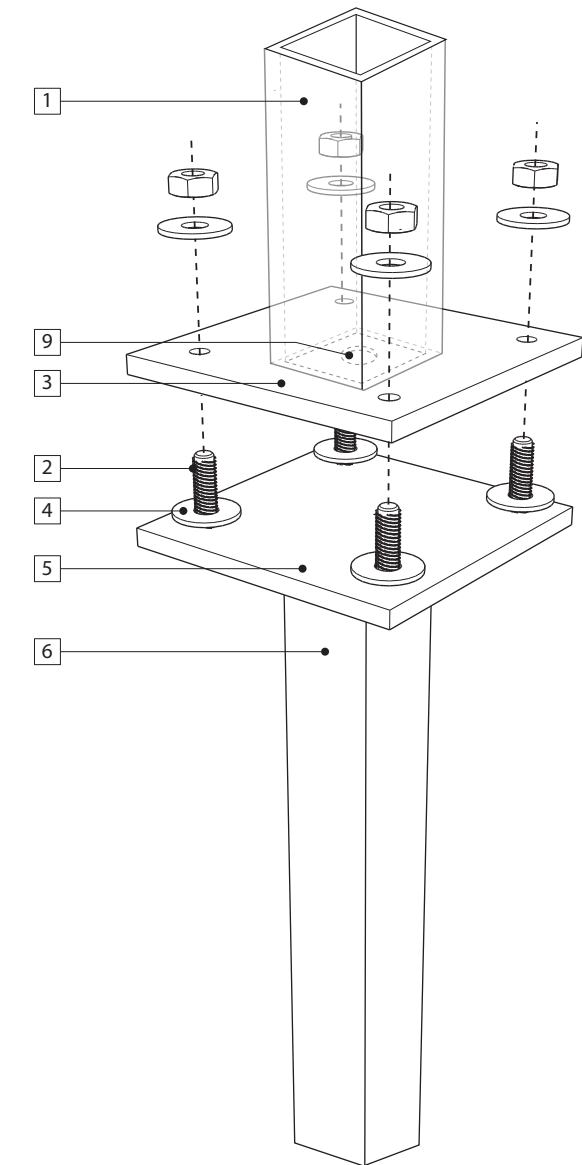
VD3b – Vehicular Directional-Small, Single Faced



Design Intent



- 1 Painted extruded aluminum tube upright w/ super satin clear coat.
- 2 Stainless steel through bolts.
- 3 Aluminum baseplate welded to upright w/ super satin clear coat. Fabricator to engineer plate thickness.
- 4 Stainless steel leveling washers.
- 5 Aluminum matchplate welded to anchor tube w/ Teflon coating or equivalent to prevent corrosion. Fabricator to engineer plate thickness.
- 6 Extruded alum anchor tube w/ Teflon coating or equivalent to prevent corrosion.
- 7 Poured concrete footer (fabricator to engineer footer size).
- 8 Backfill to match grade conditions.
- 9 Cut hole in base plate for water drainage.



3 Axo Exploded View
scale: n.t.s.

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 Sussex Central High School Exterior Signage and Wayfinding	Date 10.03.25	Scale As Noted	Page Number 3.14
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BID1a – Building ID, Canopy-mounted

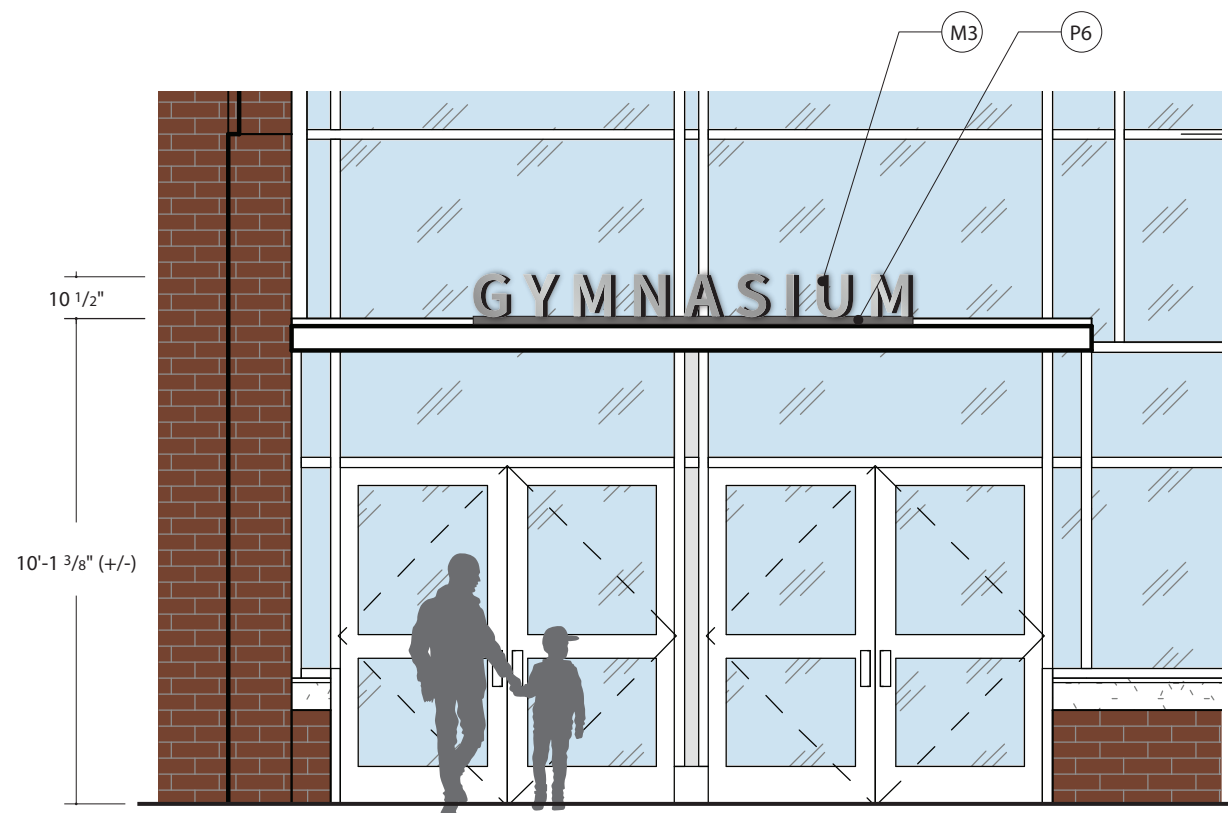


Design Intent

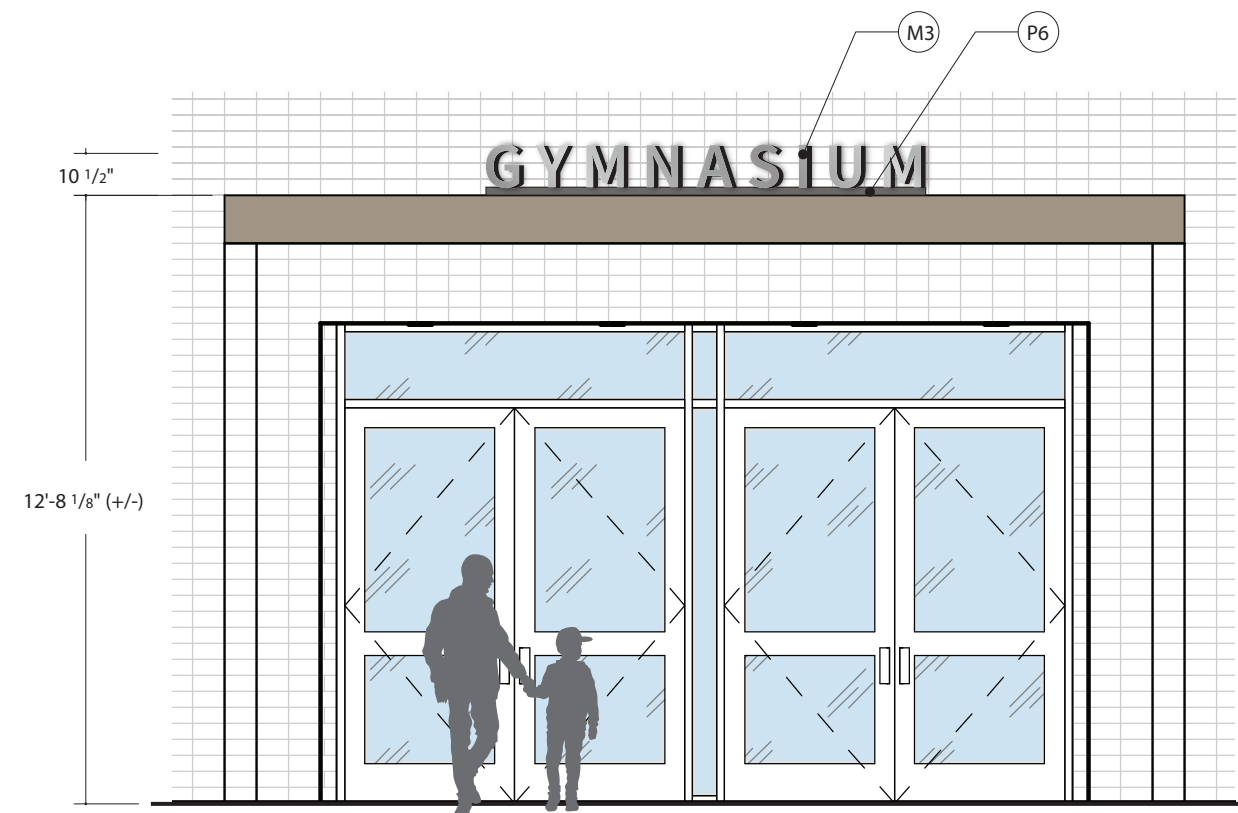
Note:
 Details for canopy attachment are shown on page 3.16. The provision of additional detailing and construction documentation will need to be included in the awarded fabricator's scope and will be reviewed by the design team after issued in the form of a shop drawing deliverable. Additionally full-size, vector artwork will be issued to the awarded fabricator for production purposes.



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



1 West Elevation – BID1a
 scale: 1/4" = 1'-0"



2 South Elevation – BID1a
 scale: 1/4" = 1'-0"

This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:

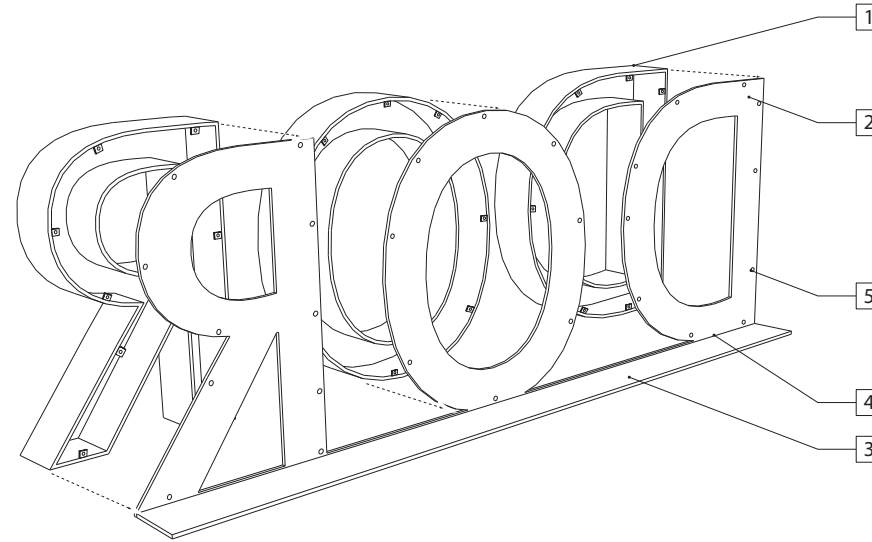
- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering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

Client/Project	Date	Scale	Page Number
Sussex Central High School Exterior Signage and Wayfinding	10.03.25	As Noted	3.15
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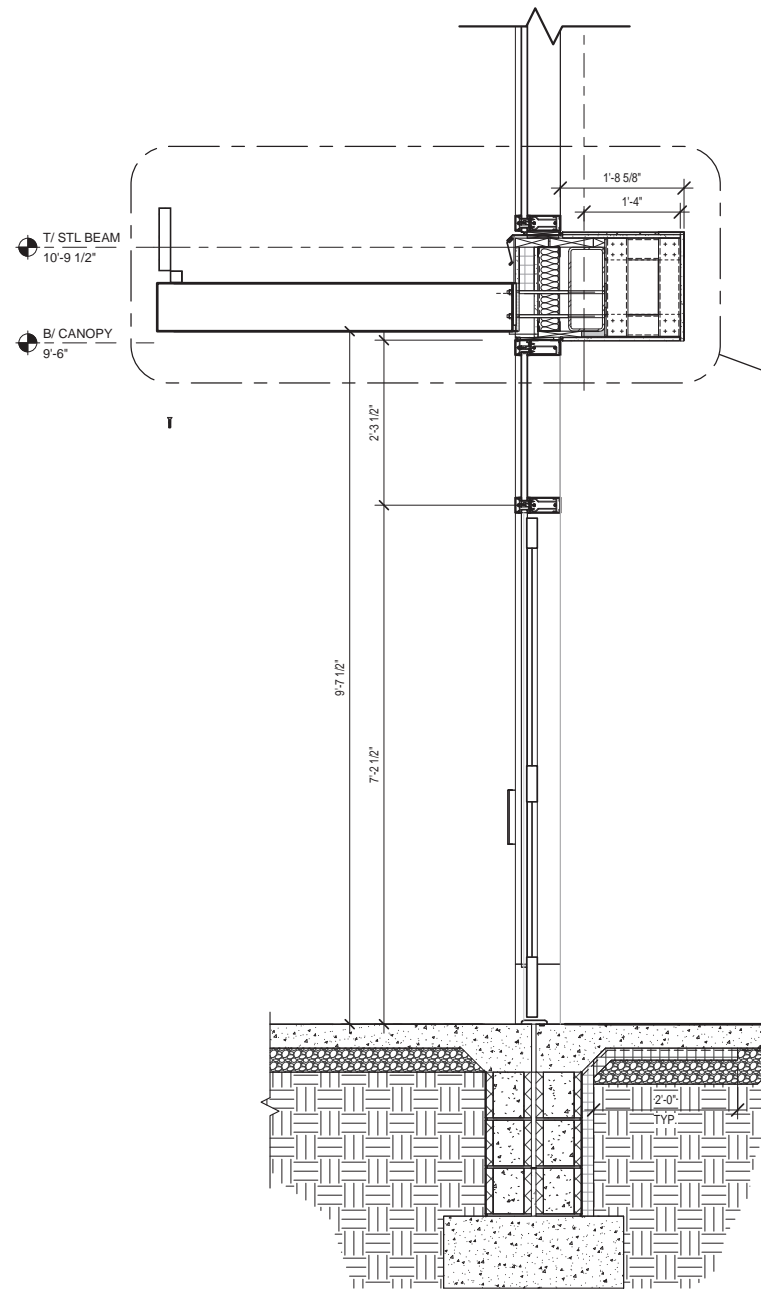
BID1a – Building ID, Canopy-mounted



Design Intent

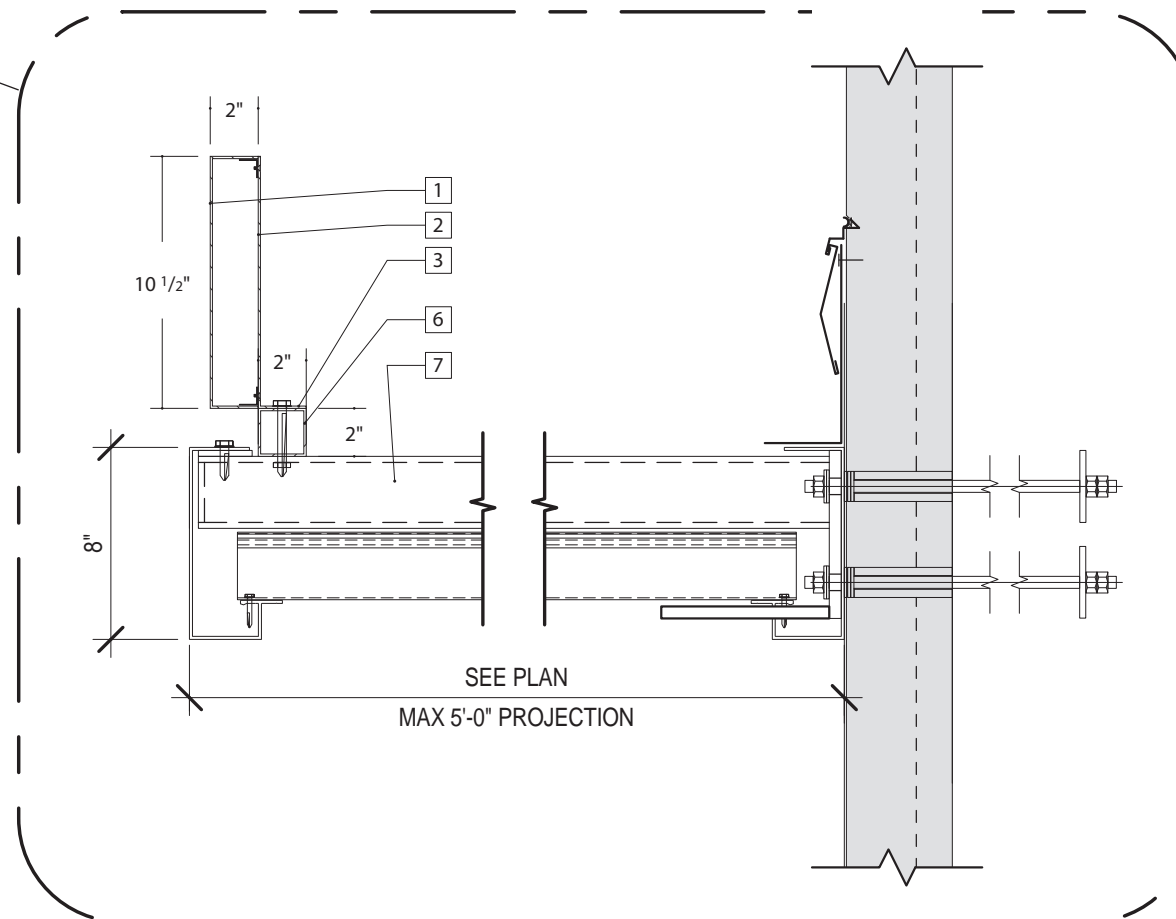


- 1 Fabricated .080 aluminum channel artwork, horizontally brushed grain with super-satin clear coat.
- 2 3/16" thick aluminum letter back, router cut to shape of artwork
- 3 2" brake formed tab
- 4 Brake form line
- 5 Countersunk set screws
- 6 2" x 2", 1/4" thick aluminum square tube
- 7 Canopy Support 'I' beam by others



1 Wall Section - Gymnasium Area E
scale: 3/8" = 1'-0"

3 Typical – Partial Axo
N.T.S.



2 Section - Letter Detail at Canopy
scale: 1 1/2" = 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.

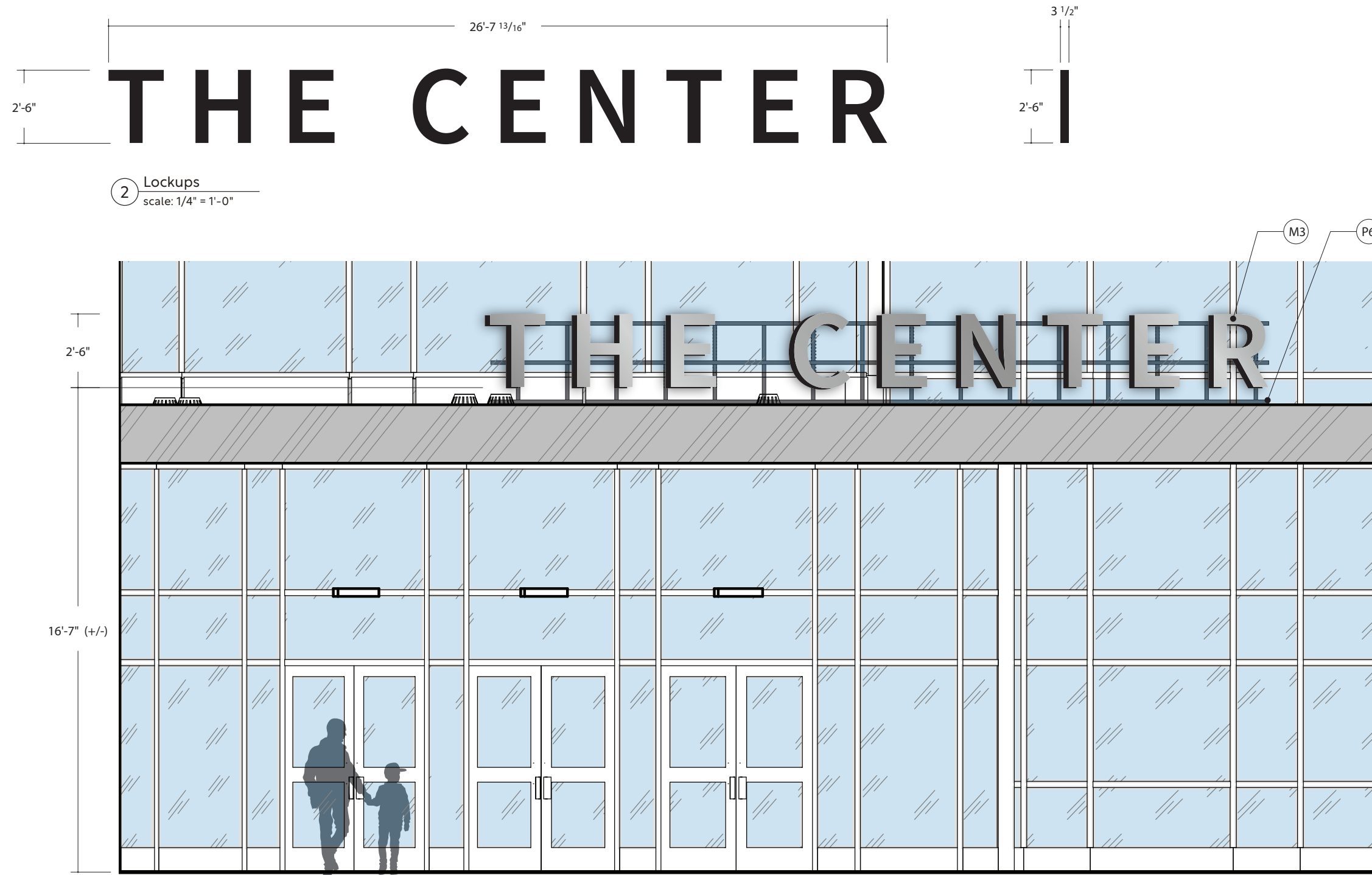
Client/Project	Date	Scale	Page Number
Sussex Central High School Exterior Signage and Wayfinding	10.03.25	As Noted	3.16
© 2025 Cloud Gehshan Design			

BID1b – Building ID, Canopy-mounted



Design Intent

Note:
 Details for canopy attachment are shown on page 3.18. The provision of additional detailing and construction documentation will need to be included in the awarded fabricator's scope and will be reviewed by the design team after issued in the form of a shop drawing deliverable. Additionally full-size, vector artwork will be issued to the awarded fabricator for production purposes.



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

1 West Elevation – Performing Arts Lobby Area H
 scale: 1/4" = 1'-0"

This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:

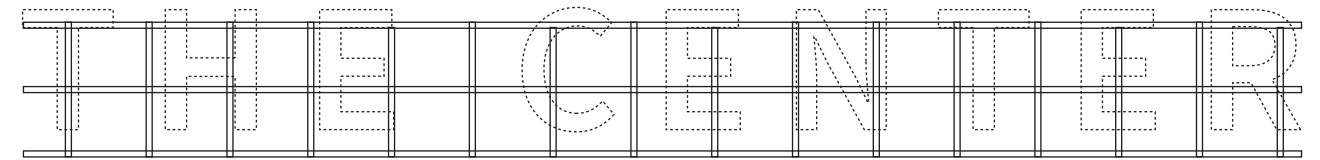
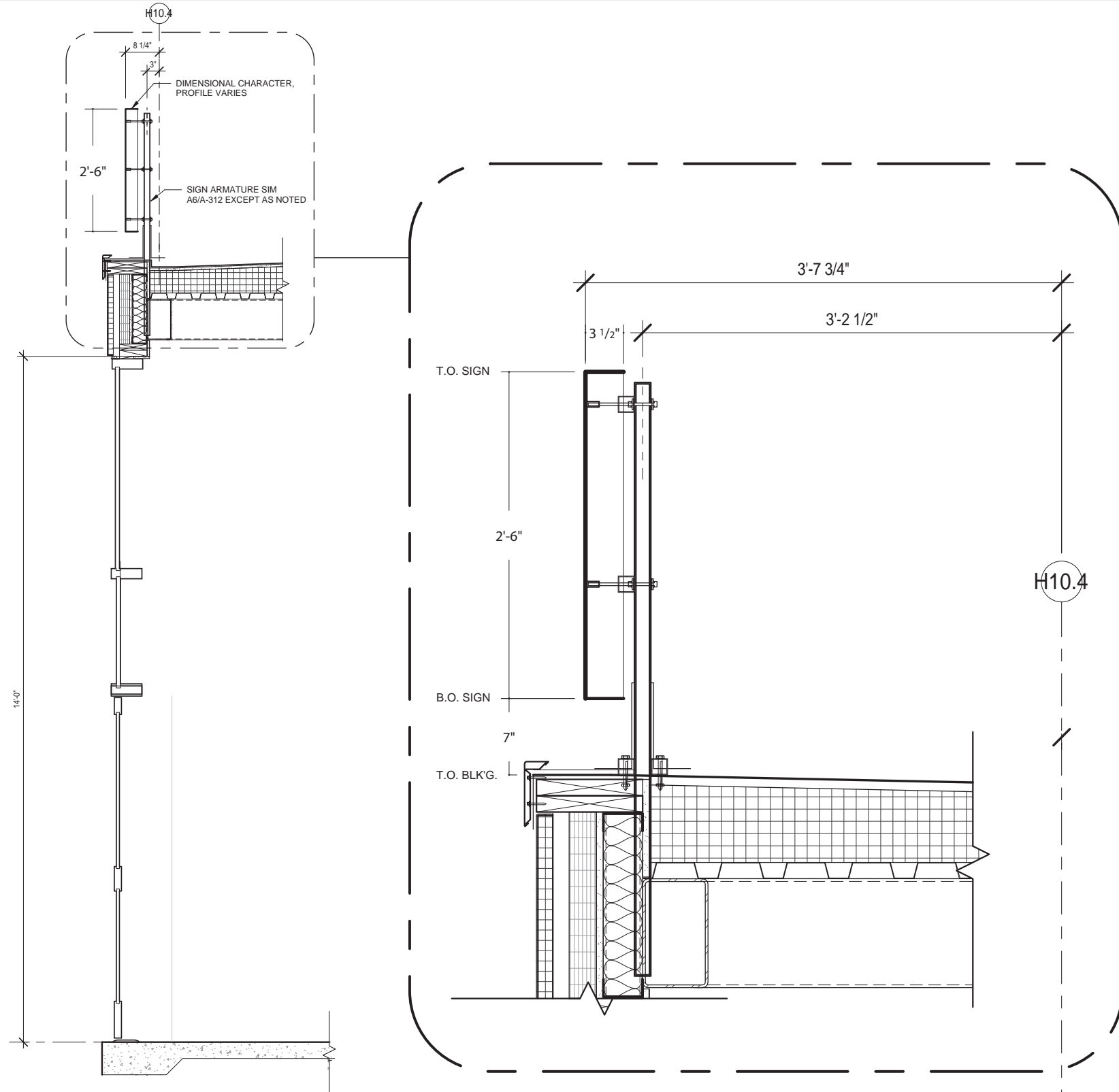
- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering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

Client/Project	Date	Scale	Page Number
Sussex Central High School Exterior Signage and Wayfinding	10.03.25	As Noted	3.17
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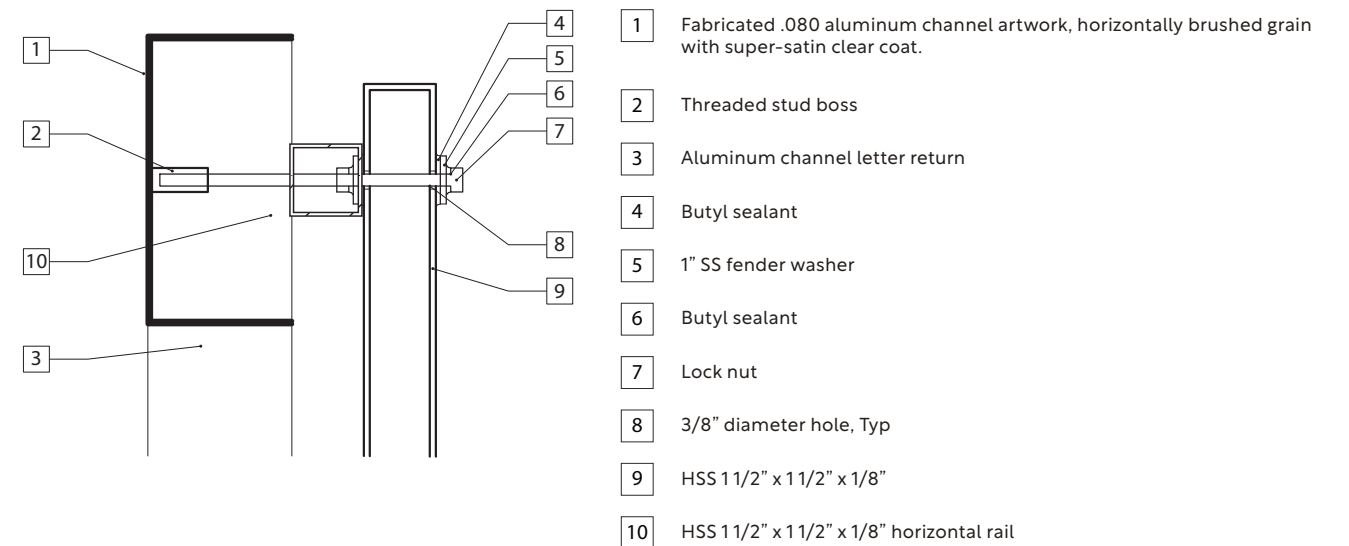
BID1b – Building ID, Canopy-mounted



Design Intent



4 Armature Sim locations
scale: 1/4" = 1'-0"



3 Fabricated Channel Letter Detail
scale: 1" = 1'-0"

1 Wall Section - Performing Arts Lobby Area H
scale: 3/8" = 1'-0"

2 Section - Letter Detail at Canopy
scale: 1" = 1'-0"

This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:

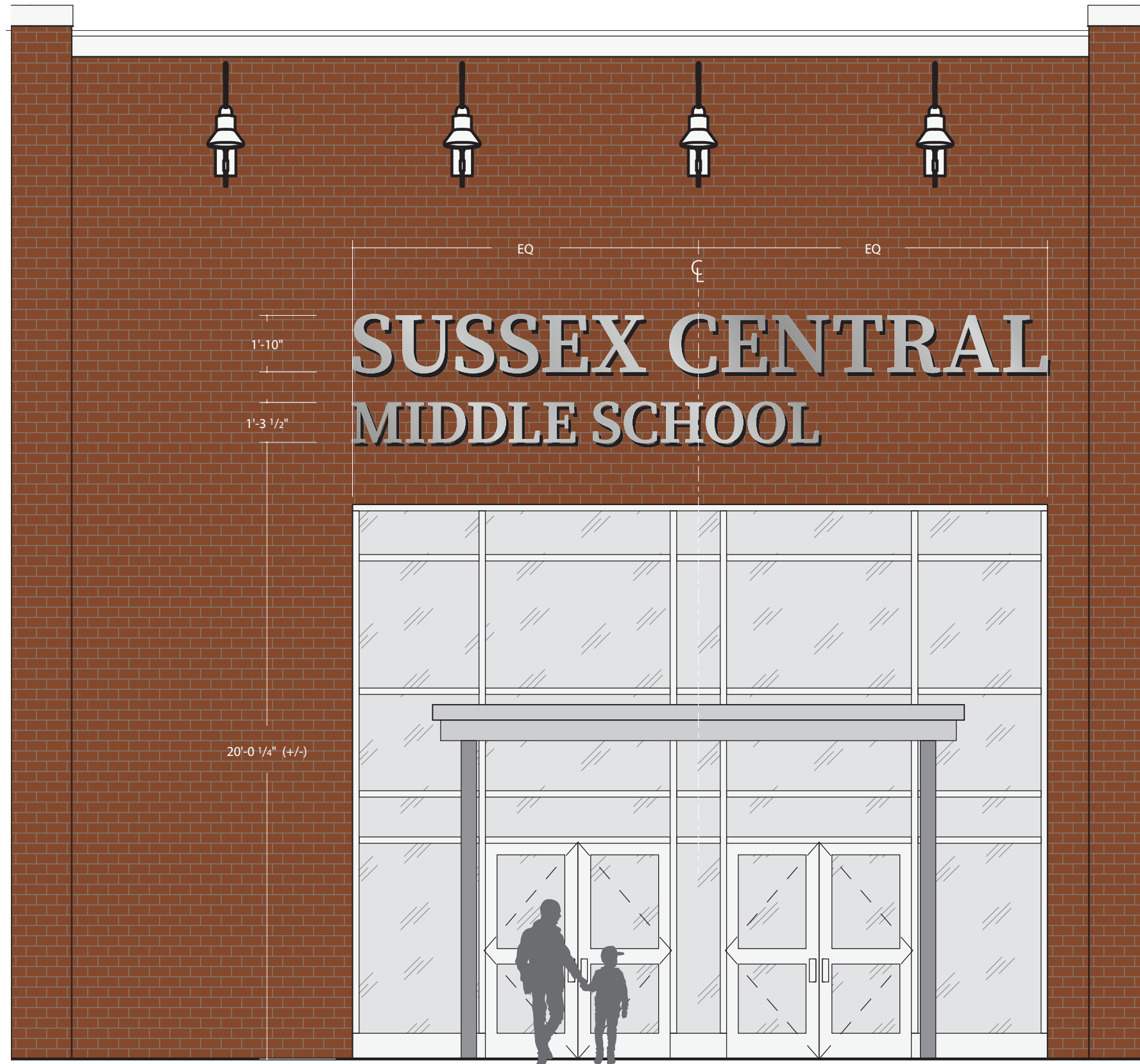
- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering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

Client/Project	Date	Scale	Page Number
Sussex Central High School Exterior Signage and Wayfinding	10.03.25	As Noted	3.18
© 2025 Cloud Gehshan Design			

BID2a – Building ID, Wall-mounted



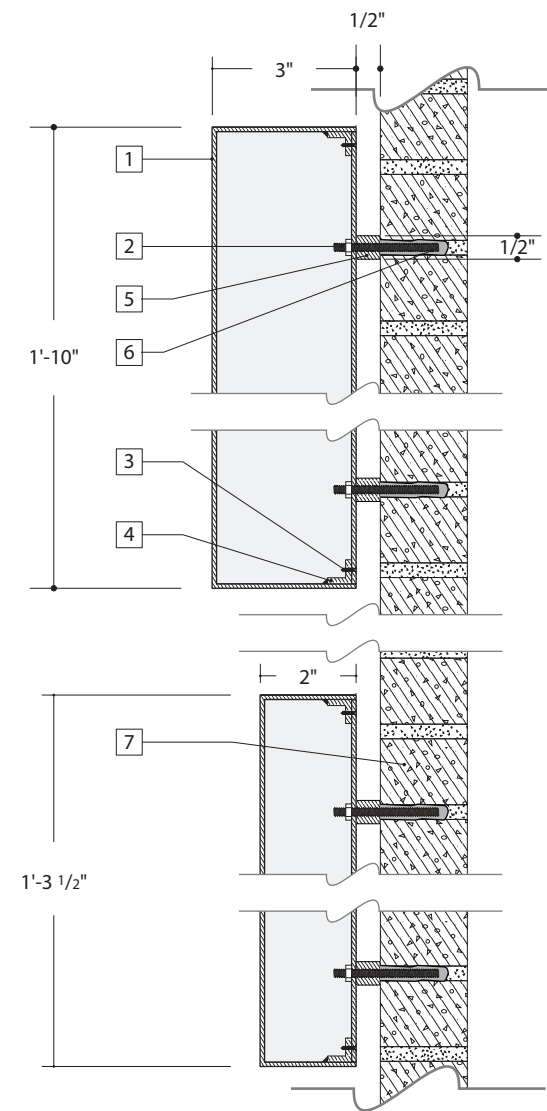
Design Intent



1 North Elevation – Middle School Entrance - BID2a
scale: 1/4" = 1'-0"

SUSSEX CENTRAL MIDDLE SCHOOL

3 Lockups – BID2a
scale: 1/4" = 1'-0"



2 Typical Side Section Detail – BID2a
scale: 3" = 1'-0"

- 1 Fabricated .080 aluminum channel artwork, horizontally brushed grain with super-satin clear coat
- 2 Threaded stud is secured to aluminum backer with nuts
- 3 Tamper-resistant, countersunk fasteners
- 4 Internal aluminum angle framing stitch-welded to aluminum channel
- 5 1/2" thick aluminum spacer
- 6 Drill hole and insert threaded stud with appropriate secure anchor, place anchors in mortar between bricks, fabricator to provide details (patch & repair any blemishes from installation to be seamless)
- 7 Existing brick masonry wall, fabricator to verify existing conditions prior to final shop drawings

Note:
The provision of additional detailing and construction documentation will need to be included in the awarded fabricator's scope and will be reviewed by the design team after issued in the form of a shop drawing deliverable. Additionally full-size, vector artwork will be issued to the awarded fabricator for production purposes.

This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:

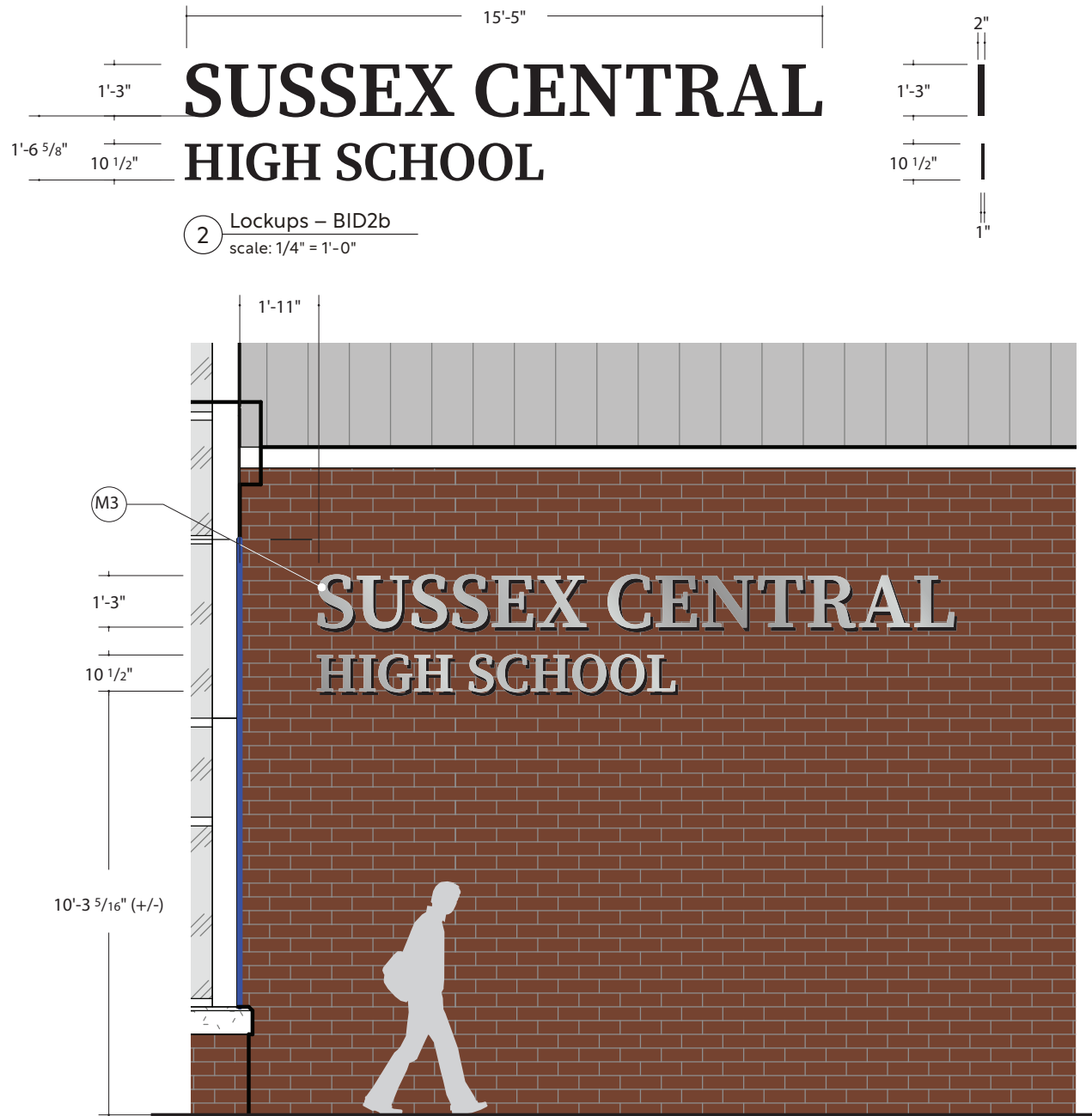
- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering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

Client/Project Sussex Central High School Exterior Signage and Wayfinding	Date 10.03.25	Scale As Noted	Page Number 3.19
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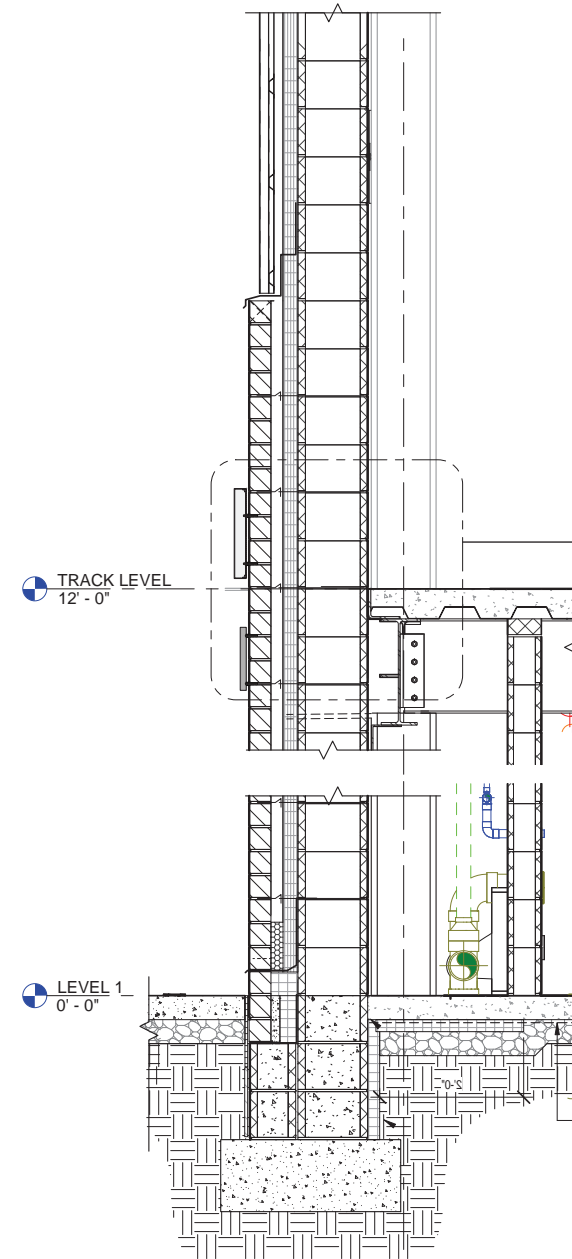
BID2b – Building ID, Wall-mounted



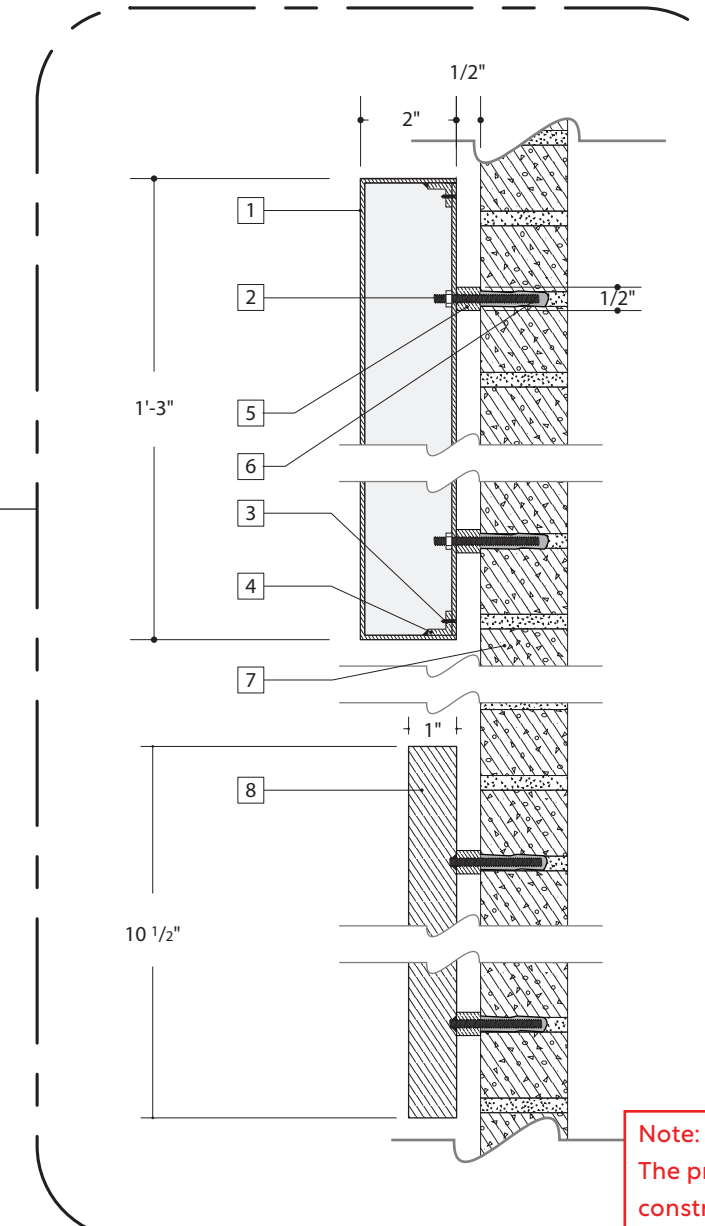
Design Intent



1 West Elevation – Gym Area D - BID2b
scale: 1/4" = 1'-0"



3 Wall Section - Area D
scale: 3/8" = 1'-0"



4 Typical Side Section Detail – BID2b
scale: 3" = 1'-0"

- 1 Fabricated .080 aluminum channel artwork, horizontally brushed grain with super-satin clear coat
- 2 Threaded stud is secured to aluminum backer with nuts
- 3 Tamper-resistant, countersunk fasteners
- 4 Internal aluminum angle framing stitch-welded to aluminum channel
- 5 1/2" thick aluminum spacer
- 6 Drill hole and insert threaded stud with appropriate secure anchor, place anchors in mortar between bricks, fabricator to provide details (patch & repair any blemishes from installation to be seamless)
- 7 Existing brick masonry wall, fabricator to verify existing conditions prior to final shop drawings
- 8 Water-jet/router cut 1" thick aluminum artwork, with short-grain horizontally brushed finish and super-satin clear coat

Note:
The provision of additional detailing and construction documentation will need to be included in the awarded fabricator's scope and will be reviewed by the design team after issued in the form of a shop drawing deliverable. Additionally full-size, vector artwork will be issued to the awarded fabricator for production purposes.

This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:

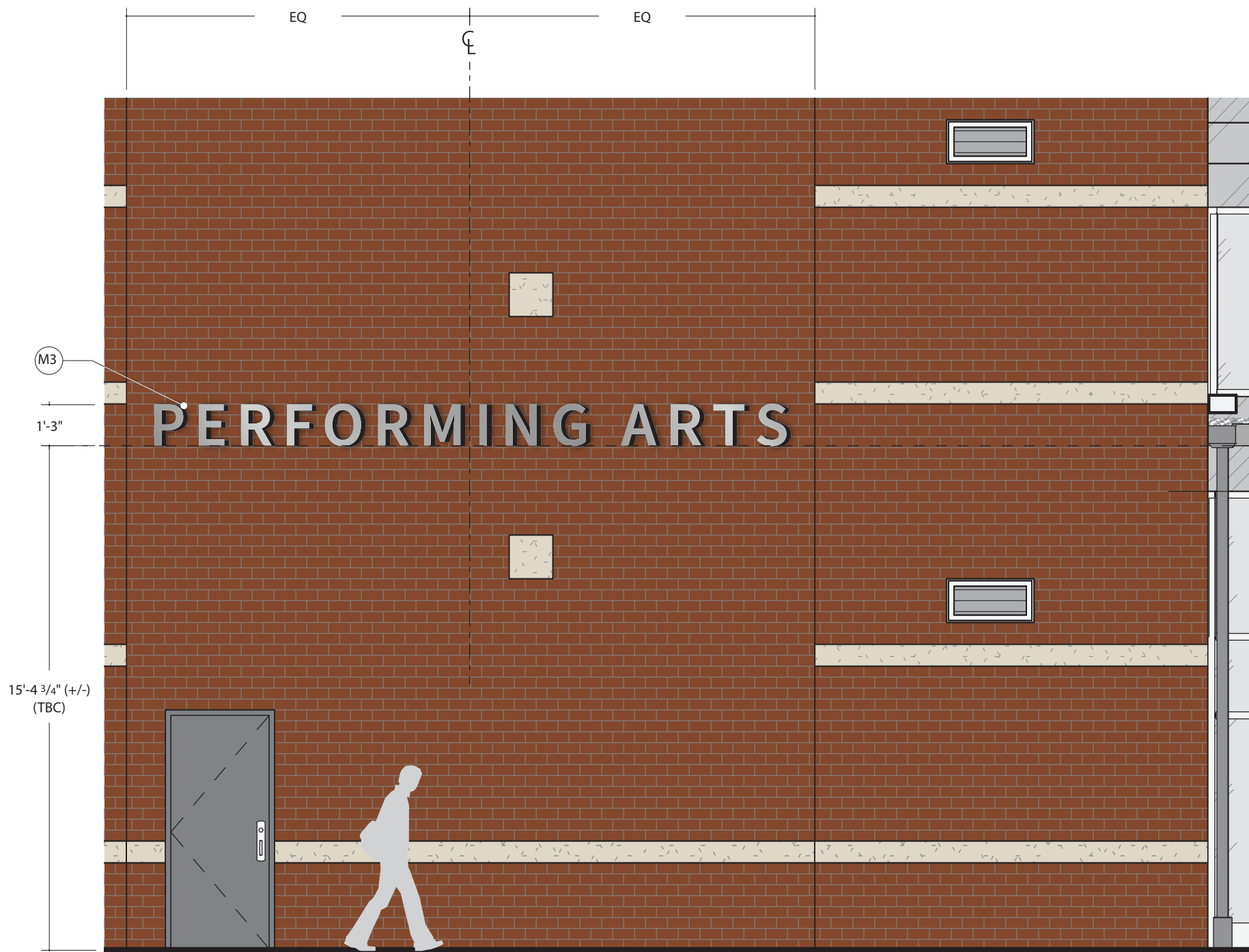
- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering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

Client/Project Sussex Central High School Exterior Signage and Wayfinding	Date 10.03.25	Scale As Noted	Page Number 3.20
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BID2c – Building ID, Wall-mounted



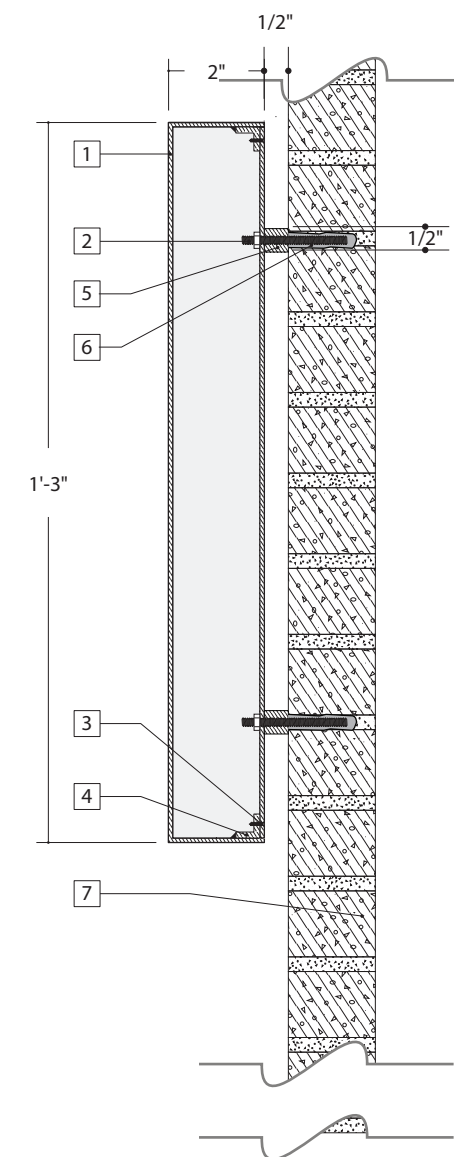
Design Intent



1 West Elevation – Performing Arts Lobby Area H - BID2c
scale: 1/4" = 1'-0"



3 Lockups – BID2c
scale: 1/4" = 1'-0"



2 Typical Side Section Detail – BID2 Alt
scale: 3" = 1'-0"

- 1 Fabricated .080 aluminum channel artwork, horizontally brushed grain with super-satin clear coat
- 2 Threaded stud is secured to aluminum backer with nuts
- 3 Tamper-resistant, countersunk fasteners
- 4 Internal aluminum angle framing stitch-welded to aluminum channel
- 5 1/2" thick aluminum spacer
- 6 Drill hole and insert threaded stud with appropriate secure anchor, place anchors in mortar between bricks, fabricator to provide details (patch & repair any blemishes from installation to be seamless)
- 7 Existing brick masonry wall, fabricator to verify existing conditions prior to final shop drawings

Note:
The provision of additional detailing and construction documentation will need to be included in the awarded fabricator's scope and will be reviewed by the design team after issued in the form of a shop drawing deliverable. Additionally full-size, vector artwork will be issued to the awarded fabricator for production purposes.

This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:

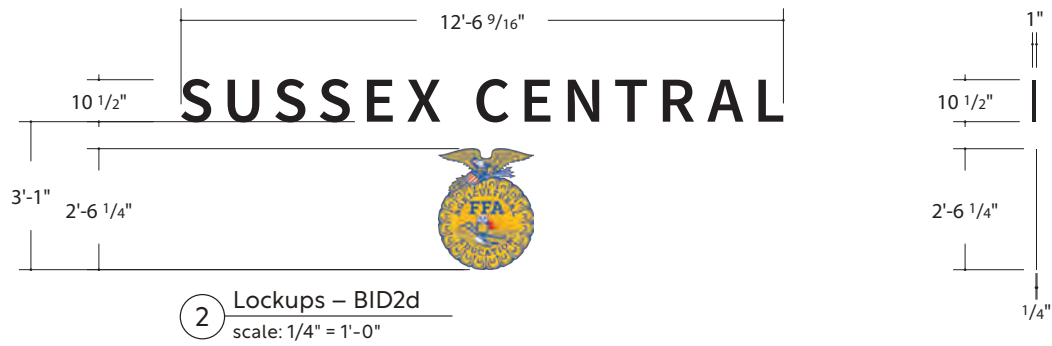
- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering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

Client/Project	Date	Scale	Page Number
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BID2d – Building ID, Wall-mounted

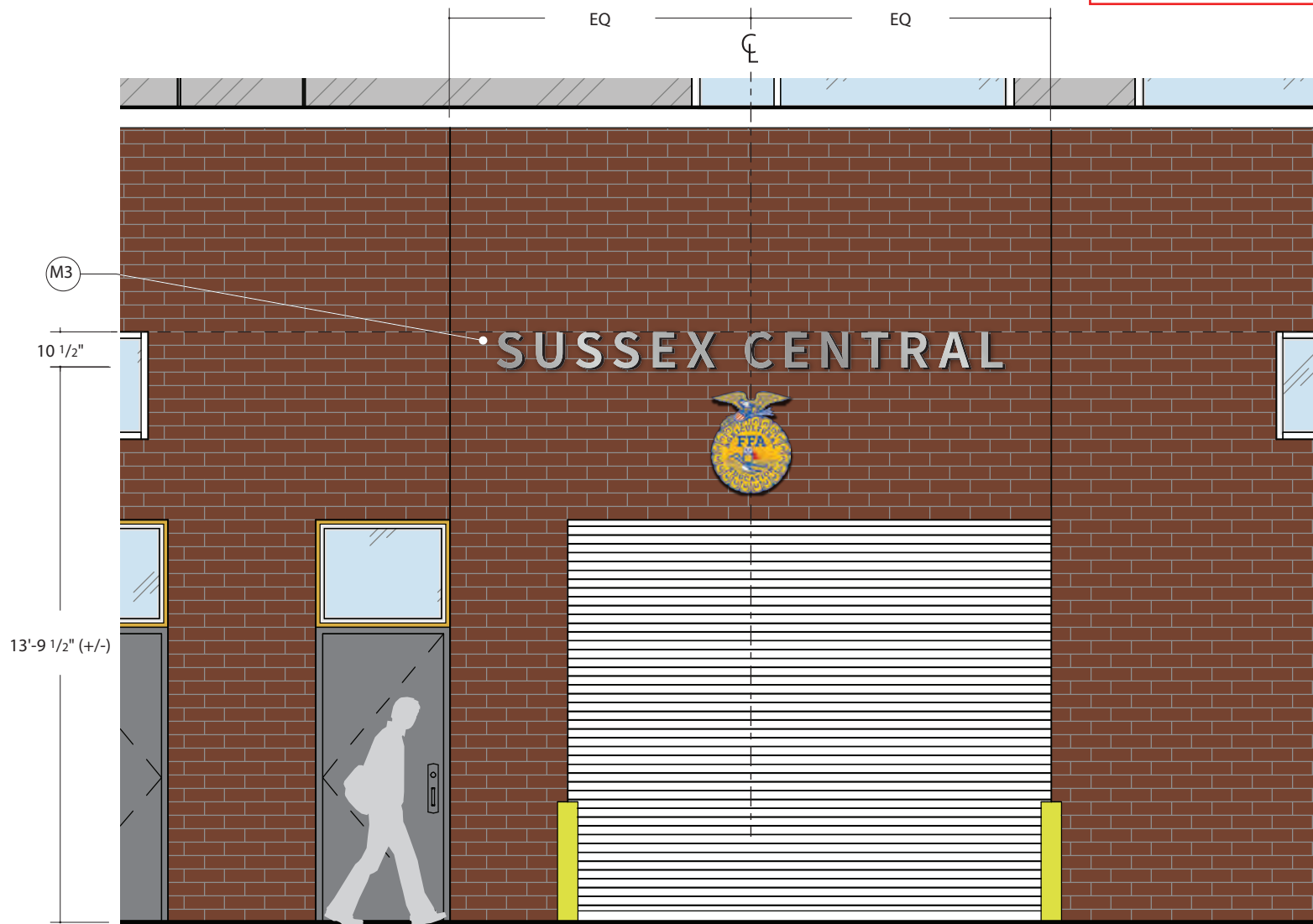


Design Intent

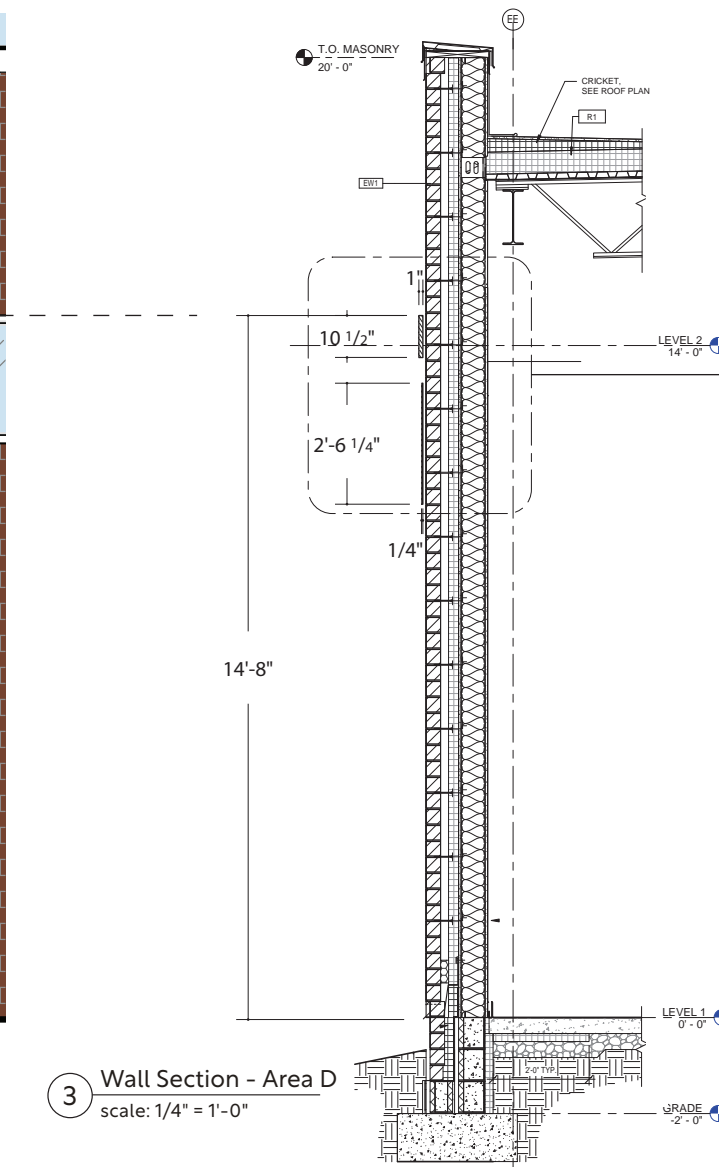


Note:
The provision of additional detailing and construction documentation will need to be included in the awarded fabricator's scope and will be reviewed by the design team after issued in the form of a shop drawing deliverable. Additionally full-size, vector artwork will be issued to the awarded fabricator for production purposes.

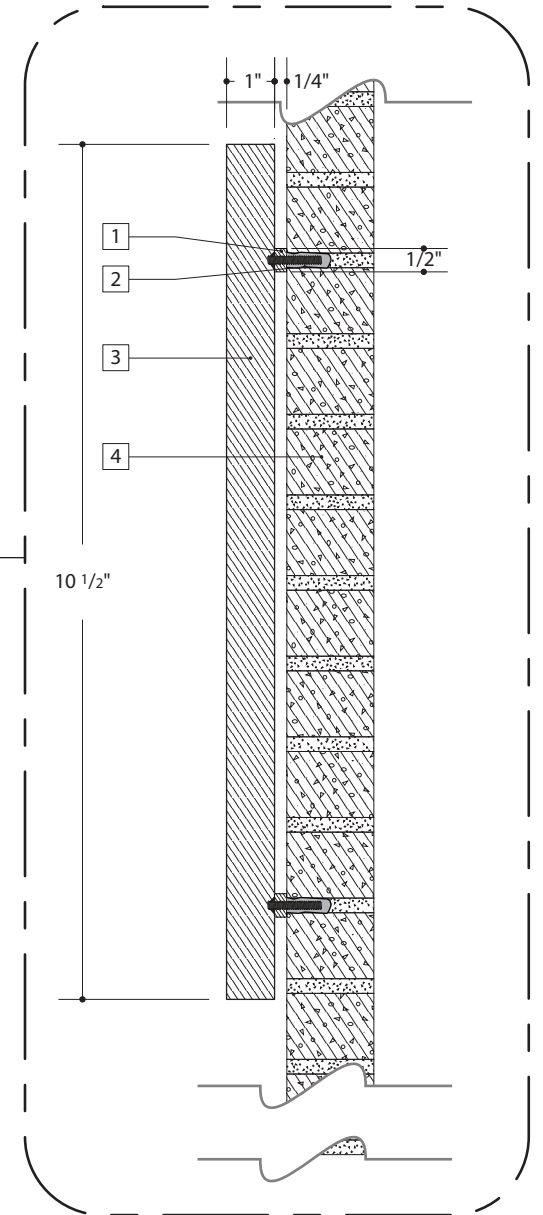
- 1 1/2" thick aluminum spacer
- 2 Drill hole and insert threaded stud with appropriate secure anchor, place anchors in mortar between bricks, fabricator to provide details (patch & repair any blemishes from installation to be seamless)
- 3 Water-jet/router cut 1" thick aluminum artwork, with short-grain horizontally brushed finish and super-satin clear coat
- 4 Existing brick masonry wall, fabricator to verify existing conditions prior to final shop drawings



1 South Elevation – Gym Area D - BID2d
scale: 1/4" = 1'-0"



3 Wall Section - Area D
scale: 1/4" = 1'-0"



4 Typical Side Section Detail – BID2d
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 Sussex Central High School Exterior Signage and Wayfinding	Date 10.03.25	Scale As Noted	Page Number 3.22
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BID3 – Building ID, Wall-mounted



1 Elevation – BID3
scale: 1/8" = 1'-0"

Design Intent

Note:
Details for attachment are shown on page 3.24. The provision of additional detailing and construction documentation will need to be included in the awarded fabricator's scope and will be reviewed by the design team after issued in the form of a shop drawing deliverable. Additionally full-size, vector artwork will be issued to the awarded fabricator for production purposes.



2 South Elevation – Gym Area D - BID3
scale: 1/4" = 1'-0"

NOTE:
RAIL TO BE PAINTED TO MATCH MULLIONS

This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:

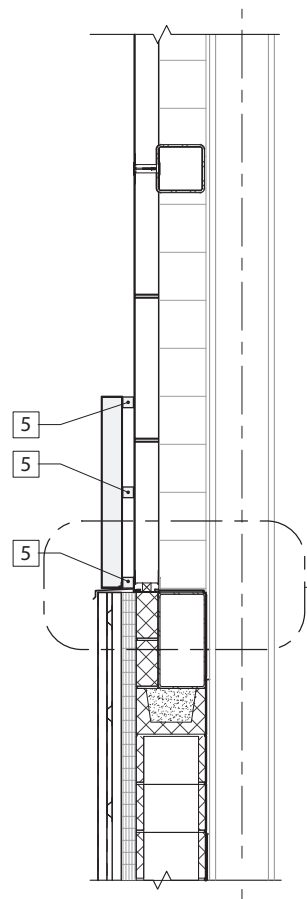
- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering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

Client/Project Sussex Central High School Exterior Signage and Wayfinding	Date 10.03.25	Scale As Noted	Page Number 3.23
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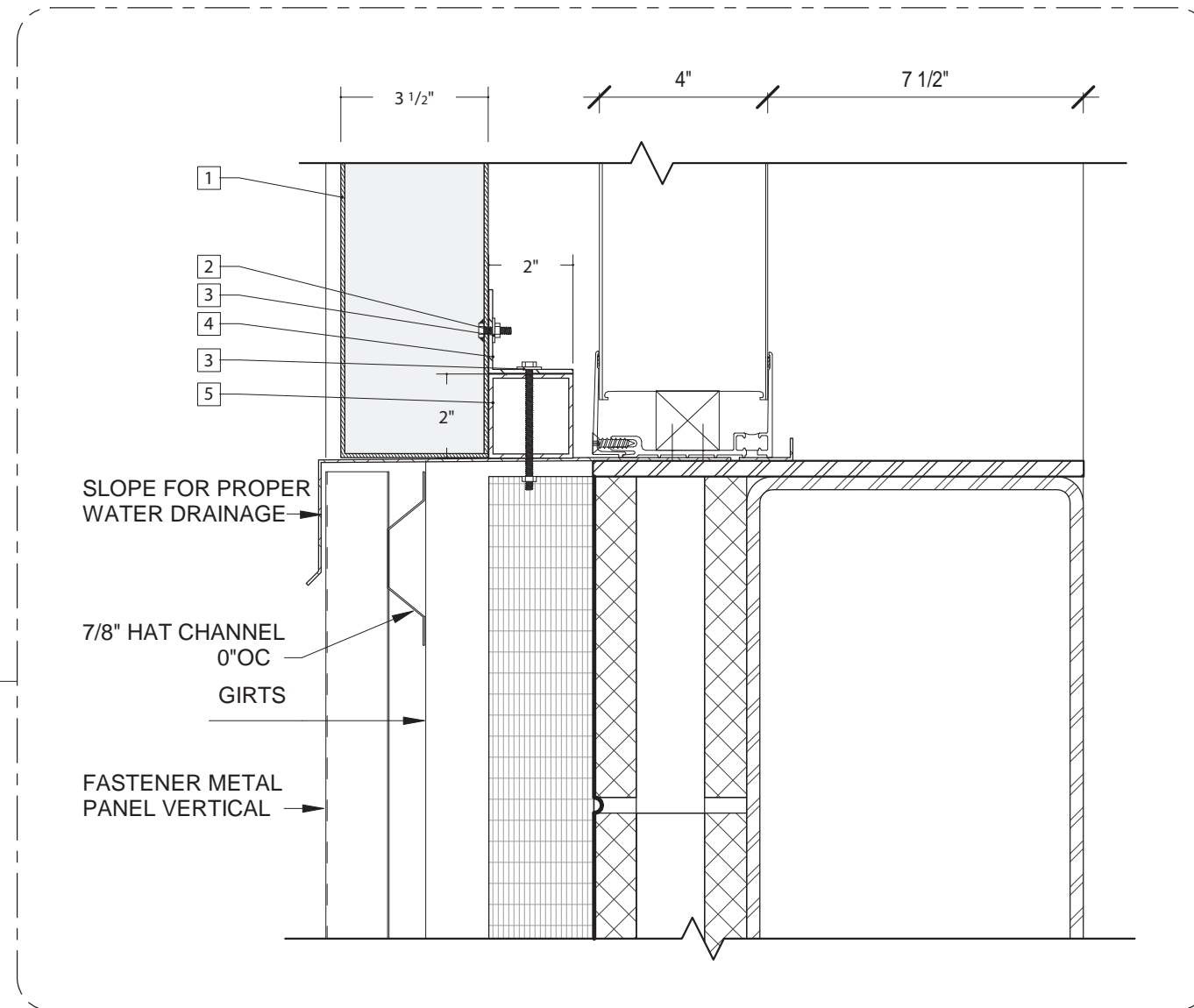
BID3 – Building ID, Wall-mounted



Design Intent



1 Wall Section – Area D
scale: 3/8" = 1'-0"



2 Side Section Detail – BID3
scale: 3" = 1'-0"

- 1 Fabricated .080 aluminum channel artwork, horizontally brushed grain with super-satin clear coat
- 2 Threaded stud is secured to aluminum angle with nuts
- 3 Neoprene washer
- 4 2" X 2" aluminum angle to attach channel letter with tube rail
- 5 2" x 2" aluminum tube rail to mechanically fastened to girts, fabricator to verify existing conditions prior to final shop drawings

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.

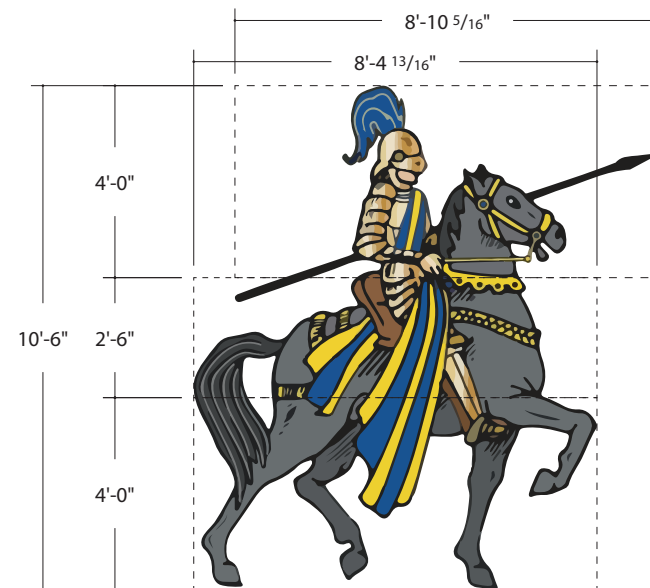
Client/Project	Date	Scale	Page Number
Sussex Central High School Exterior Signage and Wayfinding	10.03.25	As Noted	3.24
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BID4a, BID4b – Athletics Logo on Gymnasium, Wall-mounted

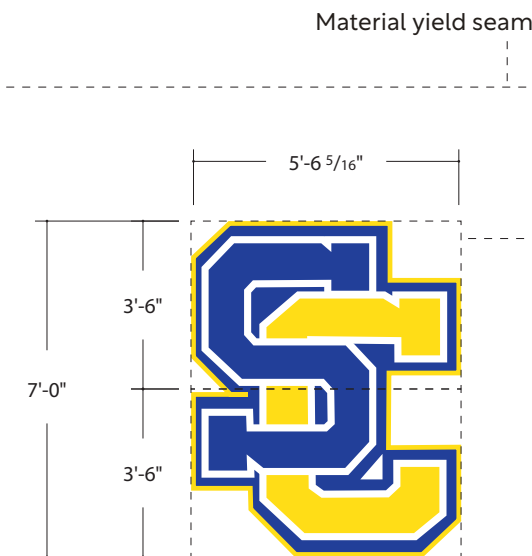


Design Intent

Note:
Design intent for fabrication and attachment details for sign types BID4a & BID4b are shown on pages 3.26. The provision of additional detailing and construction documentation will need to be included in the awarded fabricator's scope and will be reviewed by the design team after issued in the form of a shop drawing deliverable. Additionally full-size, vector artwork will be issued to the awarded fabricator for production purposes.

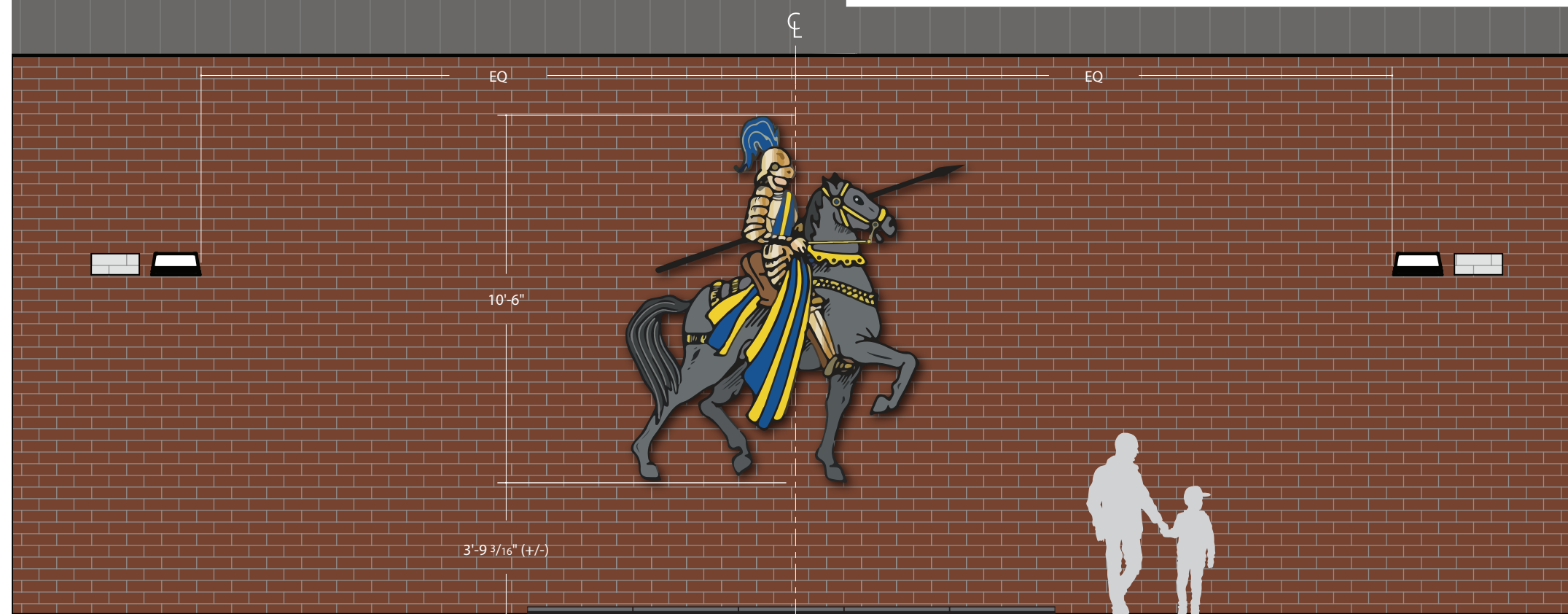


3 Lockup BID4a
scale: 1/4" = 1'-0"

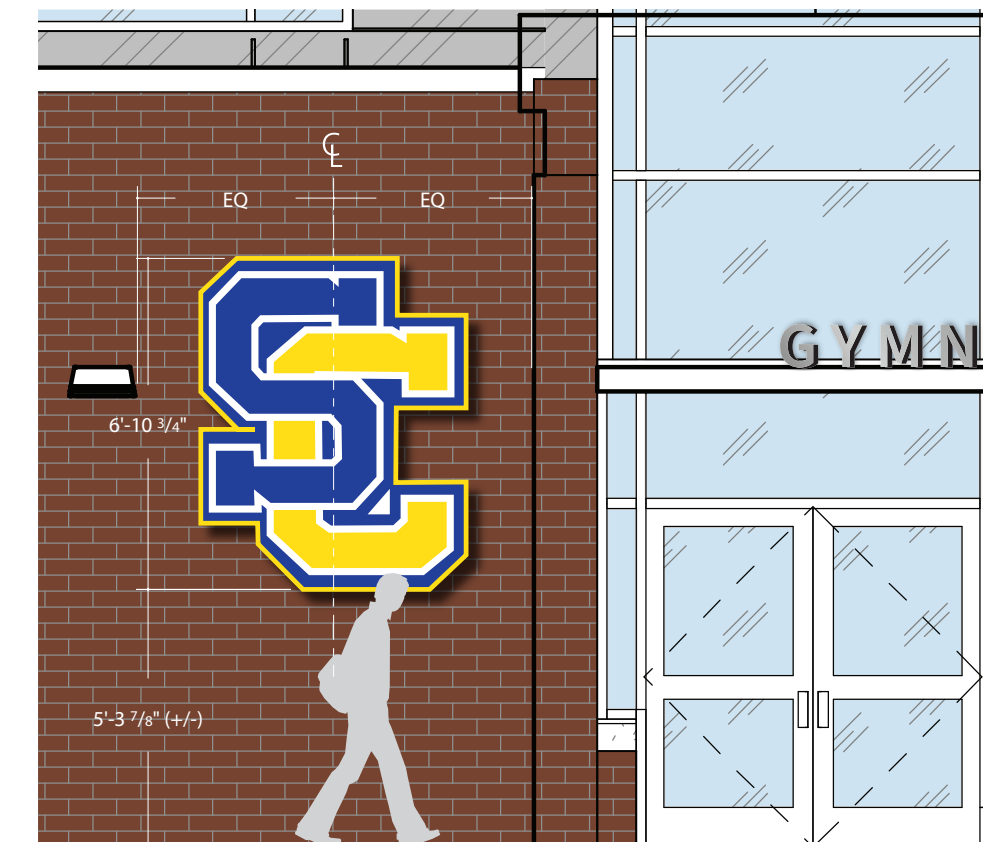


4 Lockup BID4b
scale: 1/4" = 1'-0"

OF THE GC



1 South Elevation – BID4
scale: 1/4" = 1'-0"



2 West Elevation – BID4
scale: 1/4" = 1'-0"

This drawing represents design intent only. All measurements and installation guidelines are approximate. Sign Fabricator will be responsible for:

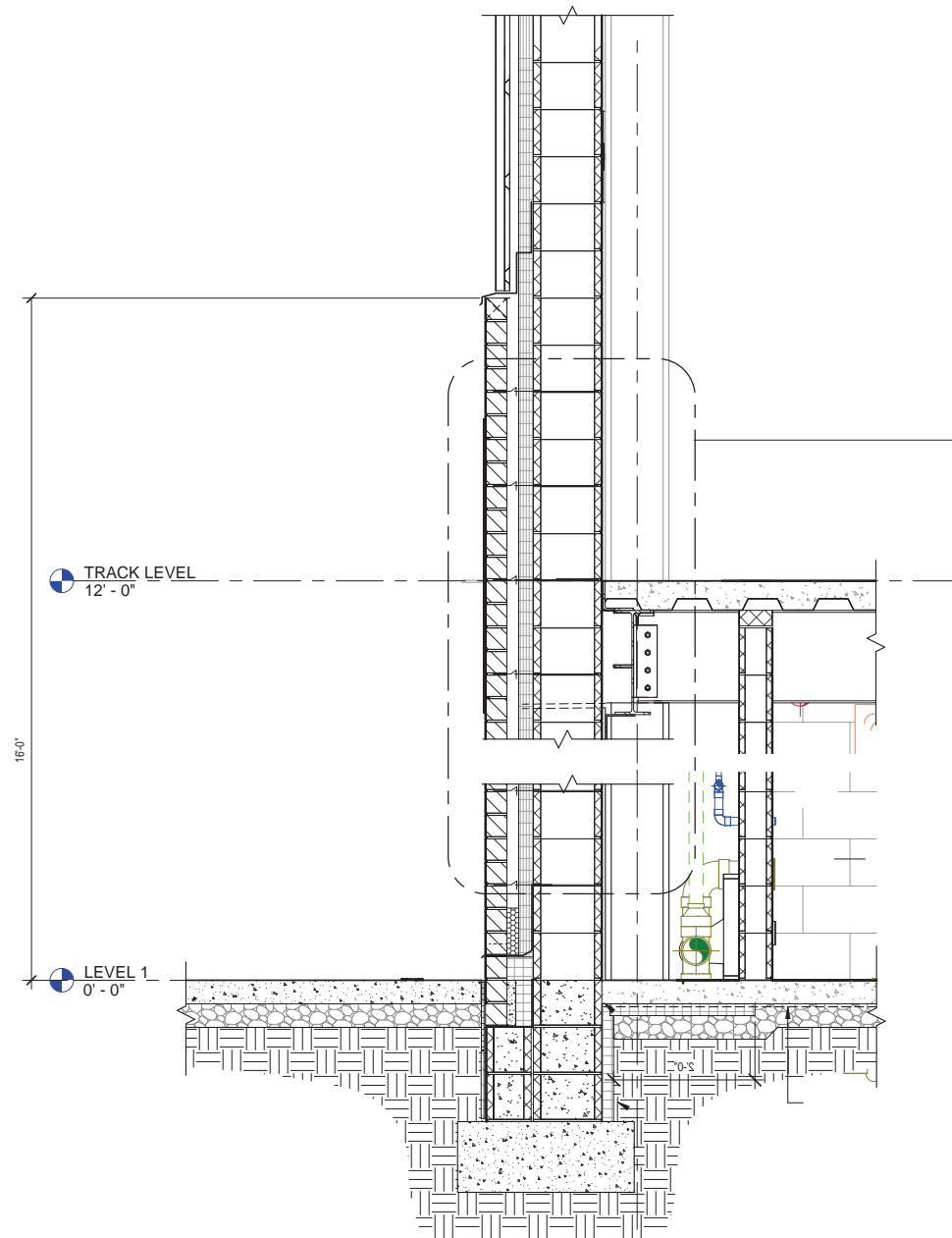
- Verifying all dimensions, structures, and existing conditions in the field prior to execution of shop drawings.
- Notifying and coordinating the appropriate groups of any potential issues or obstructions that will affect the design intent prior to installation.
- Obtaining any necessary engineering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

Client/Project Sussex Central High School Exterior Signage and Wayfinding	Date 10.03.25	Scale As Noted	Page Number 3.25
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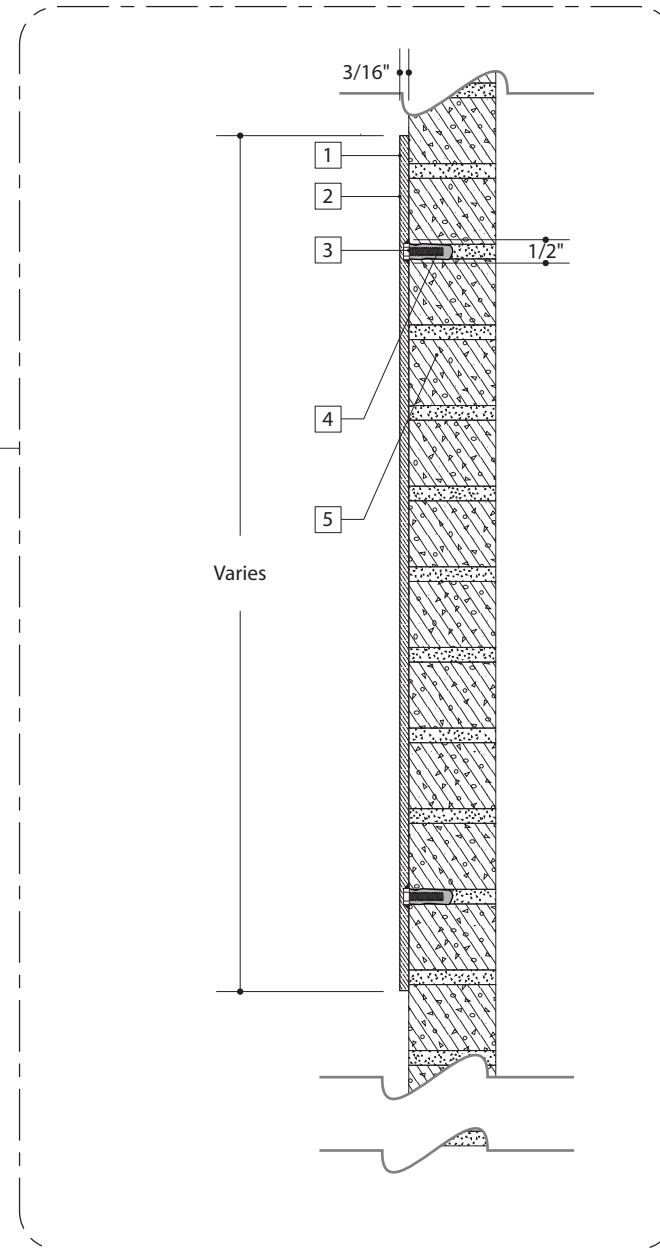
BID4a, BID4b – Athletics Logo on Gymnasium, Wall-mounted



Design Intent



1 Wall Section - Area D
Scale: 3/8" = 1'-0"



2 Typical Side Section Detail – BID4
scale: 3" = 1'-0"

- 1 Water-jet/router cut 3/16" thick aluminum sheet artwork, with super-satin clear coat
- 2 Direct printed artwork on surface of aluminum sheet artwork
- 3 Threaded stud is secured to aluminum backer with nuts
- 4 Drill hole and insert threaded stud with appropriate secure anchor, place anchors in mortar between bricks, fabricator to provide details (patch & repair any blemishes from installation to be seamless)
- 5 Existing brick masonry wall, fabricator to verify existing conditions prior to final shop drawings

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	Date	Scale	Page Number
Sussex Central High School Exterior Signage and Wayfinding	10.03.25	As Noted	3.26
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Section 4 Sign Location & Message Schedule

Sign Count – Exterior



Sign Count
 Sussex Central High School
 NOT FOR CONSTRUCTION



Type	Description	Details	Qty
GW1	Gateway ID		3
BID1a	Building ID - Canopy-mounted, S		5
BID1b	Building ID - Canopy-mounted, L		1
BID2c	Building ID - Wall-mounted, M		1
BID2a	Building ID - Wall-mounted, L		1
BID2b	Building ID - Wall-mounted, M		1
BID2d	Building ID - Wall-mounted, S		1
BID3	Building ID - Building-mounted		1
BID4a	Building ID - Athletics Logo, GN		1
BID4b	Building ID - Athletics Logo, SC		1
VD3a	Vehicular Directional, Small – Single faced		1
VD3b	Vehicular Directional, Small – Double faced		6
VD2b	Vehicular Directional, Medium		5
Subtotal:			28

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

Client/Project Sussex Central High School Exterior and Interior Wayfinding	Date 08.28.25	Scale N/A	Page Number 4.2
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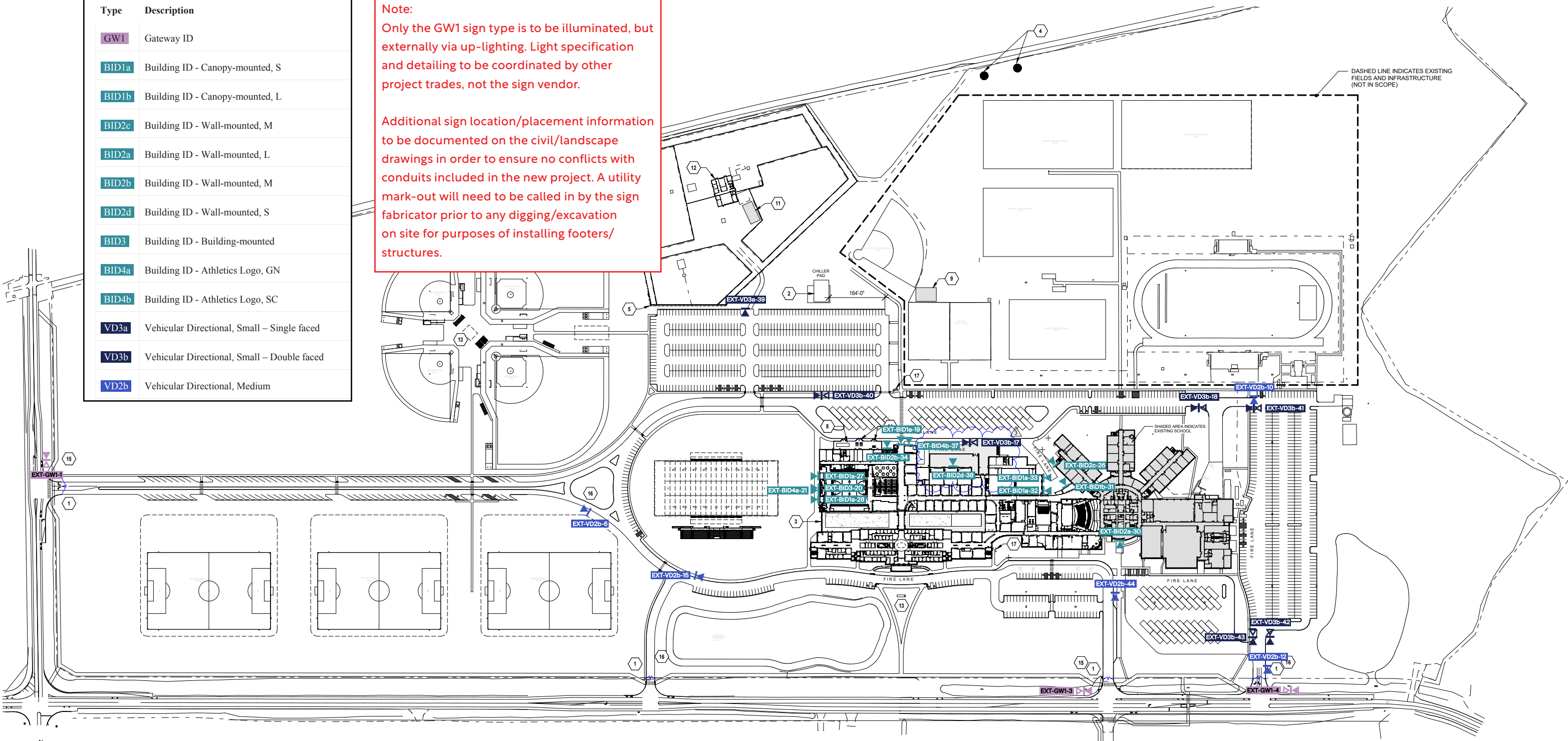
Sign Location Plan – Exterior



Type	Description
GW1	Gateway ID
BID1a	Building ID - Canopy-mounted, S
BID1b	Building ID - Canopy-mounted, L
BID2c	Building ID - Wall-mounted, M
BID2a	Building ID - Wall-mounted, L
BID2b	Building ID - Wall-mounted, M
BID2d	Building ID - Wall-mounted, S
BID3	Building ID - Building-mounted
BID4a	Building ID - Athletics Logo, GN
BID4b	Building ID - Athletics Logo, SC
VD3a	Vehicular Directional, Small – Single faced
VD3b	Vehicular Directional, Small – Double faced
VD2b	Vehicular Directional, Medium

Note:
 Only the GW1 sign type is to be illuminated, but externally via up-lighting. Light specification and detailing to be coordinated by other project trades, not the sign vendor.

Additional sign location/placement information to be documented on the civil/landscape drawings in order to ensure no conflicts with conduits included in the new project. A utility mark-out will need to be called in by the sign fabricator prior to any digging/excavation on site for purposes of installing footers/structures.



A1 LEVEL 1 - SITE PLAN
 1" = 130'-0"

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Client/Project Sussex Central High School Exterior and Interior Wayfinding	Date 08.28.25	Scale N/A	Page Number 4.3
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Message Schedule – Exterior



Message Schedule
Sussex Central High School
NOT FOR CONSTRUCTION



Sign	Message / Artwork	Details
EXT - Site Plan		
EXT-GW1-1		Quantity
- Client Review_Exterior	Side 1	1
Sign Type	SUSSEX CENTRAL HIGH SCHOOL - Athletic Entrance	Notes
Gateway ID	Side 2	
	SUSSEX CENTRAL HIGH SCHOOL - Athletic Entrance	
EXT-GW1-3		Quantity
- Client Review_Exterior	Side 1	1
Sign Type	SUSSEX CENTRAL HIGH & MIDDLE SCHOOL - Academic Entrance	Notes
Gateway ID	26026 & 26044 Patriots Way	
	Side 2	
	SUSSEX CENTRAL HIGH & MIDDLE SCHOOL - Academic Entrance	
	26026 & 26044 Patriots Way	
EXT-GW1-4		Quantity
- Client Review_Exterior	Side 1	1
Sign Type	SUSSEX CENTRAL MIDDLE SCHOOL - Athletic Entrance	Notes
Gateway ID	Side 2	
	SUSSEX CENTRAL MIDDLE SCHOOL - Athletic Entrance	

Message Schedule
Sussex Central High School
NOT FOR CONSTRUCTION



Sign	Message / Artwork	Details
EXT-VD2b-6	Column 1	Quantity
- Client Review_Exterior	↑ HS & MS Main Offices	1
Sign Type		Notes
Vehicular Directional, Medium	Column 2	
	← Freight Delivery	
	Lot 3	
	Performing Arts	
	Stadium	
EXT-VD2b-10	Column 1	Quantity
- Client Review_Exterior	← Freight Delivery	1
Sign Type		Notes
Vehicular Directional, Medium	Lot 3	
	Performing Arts	
EXT-VD2b-12	Column 1	Quantity
- Client Review_Exterior	↑ Freight Delivery	1
Sign Type		Notes
Vehicular Directional, Medium	Lot 2	
	Lot 3	
	Performing Arts	
	Column 2	
	← Lot 1	

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Client/Project	Date	Scale	Page Number
Sussex Central High School Exterior and Interior Wayfinding	08.28.25	N/A	4.4
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Message Schedule – Exterior



Message Schedule
Sussex Central High School
NOT FOR CONSTRUCTION



Sign	Message / Artwork	Details
EXT-VD2b-15	Column 1	Quantity
- Client Review_Exterior	↑ Freight Delivery	1
Sign Type	Lot 3	Notes
Vehicular Directional, Medium	Performing Arts	
	Stadium	
	Column 2	
	← Exit	
EXT-VD3b-17	Side 1	Quantity
- Client Review_Exterior	→ High School Freight Delivery	1
Sign Type	Side 2	Notes
Vehicular Directional, Small – Double faced	← High School Freight Delivery	
EXT-VD3b-18	Side 1	Quantity
- Client Review_Exterior	→ Middle School Freight Delivery	1
Sign Type	Side 2	Notes
Vehicular Directional, Small – Double faced	← Middle School Freight Delivery	
EXT-BID1a-19	Message GYMNASIUM	Quantity
- Client Review_Exterior		1
Sign Type		Notes
Building ID - Canopy-mounted, S		
EXT-BID3-20	Message HOME OF THE GOLDEN KNIGHTS	Quantity
- Client Review_Exterior		1
Sign Type		Notes
Building ID - Building-mounted		

Message Schedule
Sussex Central High School
NOT FOR CONSTRUCTION



Sign	Message / Artwork	Details
EXT-BID4a-21	Message [GN Athletics Logo]	Quantity
- Client Review_Exterior		1
Sign Type		Notes
Building ID - Athletics Logo, GN		
EXT-BID2c-26	Message PERFORMING ARTS	Quantity
- Client Review_Exterior		1
Sign Type		Notes
Building ID - Wall-mounted, M		
EXT-BID1a-27	Message GYMNASIUM	Quantity
- Client Review_Exterior		1
Sign Type		Notes
Building ID - Canopy-mounted, S		
EXT-BID1a-28	Message GYMNASIUM	Quantity
- Client Review_Exterior		1
Sign Type		Notes
Building ID - Canopy-mounted, S		
EXT-BID2a-30	Message SUSSEX CENTRAL MIDDLE SCHOOL	Quantity
- Client Review_Exterior		1
Sign Type		Notes
Building ID - Wall-mounted, L		
EXT-BID1b-31	Message THE CENTER	Quantity
- Client Review_Exterior		1
Sign Type		Notes
Building ID - Canopy-mounted, L		
EXT-BID1a-32	Message CAFETERIA	Quantity
- Client Review_Exterior		1
Sign Type		Notes
Building ID - Canopy-mounted, S		

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Message Schedule – Exterior



Message Schedule
Sussex Central High School
NOT FOR CONSTRUCTION



Sign	Message / Artwork	Details
EXT-BID1a-33 - Client Review_Exterior Sign Type Building ID - Canopy-mounted, S	Message CAFETERIA	Quantity 1 Notes
EXT-BID2b-34 - Client Review_Exterior Sign Type Building ID - Wall-mounted, M	Message SUSSEX CENTRAL HIGH SCHOOL	Quantity 1 Notes
EXT-BID4b-37 - Client Review_Exterior Sign Type Building ID - Athletics Logo, SC	Message [SC Athletics Logo]	Quantity 1 Notes
EXT-BID2d-38 - Client Review_Exterior Sign Type Building ID - Wall-mounted, S	Message SUSSEX CENTRAL FAA	Quantity 1 Notes
EXT-VD3a-39 - Client Review_Exterior Sign Type Vehicular Directional, Small – Single faced	↑ Sussex Central Farm	Quantity 1 Notes
EXT-VD3b-40 - Client Review_Exterior Sign Type Vehicular Directional, Small – Double faced	Side 1 ← Lot 3 P Side 2 → Lot 3 P	Quantity 1 Notes

Message Schedule
Sussex Central High School
NOT FOR CONSTRUCTION



Sign	Message / Artwork	Details
EXT-VD3b-41 - Client Review_Exterior Sign Type Vehicular Directional, Small – Double faced	Side 1 → Lot 2 Side 2 ← Lot 2	Quantity 1 Notes
EXT-VD3b-42 - Client Review_Exterior Sign Type Vehicular Directional, Small – Double faced	Side 1 ↑ Lot 2 Side 2 ↑ Exit	Quantity 1 Notes
EXT-VD3b-43 - Client Review_Exterior Sign Type Vehicular Directional, Small – Double faced	Side 1 ← Lot 1 Side 2 → Lot 1	Quantity 1 Notes

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Client/Project Sussex Central High School Exterior and Interior Wayfinding	Date 08.28.25	Scale N/A	Page Number 4.6
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Message Schedule – Exterior



Message Schedule
 Sussex Central High School
 NOT FOR CONSTRUCTION



Sign	Message / Artwork	Details
EXT-VD2b-44	Column 1	Quantity
- Client Review_Exterior	↑ MS Main Office	1
Sign Type		Notes
Vehicular Directional, Medium		
	Column 2	
	← HS Main Office	
	Column 3	
	→ Lot 1	

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- Obtaining any necessary engineering seals or permits.
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Section 5 Performance Specifications



Performance Specifications

Performance Requirements

Notes:
Description

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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.

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 Georgetwon, DE.
- 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

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 C 880—Stone, granite flexural strength testing
- H** ASTM C 1354—Stone, granite anchorage testing

- I** PEI—Porcelain Enamel Institute.
- J** UL 943—Fluorescent lamp ballasts.
- K** ASTM A36—Structural Steel
- L** ASTM A123—Zinc (Hot Galvanized) coatings on products fabricated from rolled, pressed and forged steel shapes, plates and bars.
- M** TM B135 QQ-B-613 (Fed Spec)—Brass, Muntz 280
- N** PS-1—Construction and industrial plywood.
- O** CDA—Copper Development Association, Inc.
- P** AWI—Comply with applicable requirements of "Architectural Woodwork Quality Standards" published by the Architectural Woodwork Institute.
- Q** ASTM- WK10687 New Standard Practice for the Determination of Luminance under Monochromatic LED Illumination
- R** ASTM C 143-74—Concrete slump test.
- S** ASTM D3933-98 - Standard Guide for Preparation of Aluminum Surfaces for Structural Adhesives Bonding (Phosphoric Acid Anodizing)

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.
- A 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.
- B 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.
- C Shop Drawings**
NOTE: All final shop drawings must have an engineering stamp from a state licensed engineer before being approved for fabrication.
 - 1 Submit a digital version 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).
- D 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 contract. This must be submitted with proposal or bid. Demonstrate subcontractors qualifications for doing specified work.**
- E Samples**
 - 1 Submit two (2) 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.

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Performance Specifications

Performance Requirements

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Description

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.
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PART 2 – QUALITY ASSURANCE

- 4 The following sample submittals are required for this project:**
 The following samples must be submitted and approved prior to the fabrication of signs:
 1) 2 sets of all color samples including paint and finish samples on thin aluminum plates
 2) 2 sets of all material samples.
 3) Full scale mock-up
 a. GW1 - Gateway ID (section to evaluate precast concrete, shadow fill, and brick cladding)
 b. VD2b - Vehicular Directional (section)
 c. BID1a - Building ID (letter 'A')
 d. BID4a - Athletic Logo (12" x 12" section)
 e. BID2a - Building ID (letter 'S')
- 5 Samples should represent extreme variations in color and texture that might occur during fabrication.
- F Maintenance Data**
- Submit two (2) copies of each manufacturer's recommendations for maintenance of all items.
 - 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:**
- 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.
 - PPG Corafon 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:
- 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.
 - 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).
- Corrosion of the fastenings.
 - The signs not remaining true and plumb on their supports.
 - Fading of the colors when matched against a sample of the original color and material.
 - Discoloration of metal finishes.
 - 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 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 Recommended material suppliers (or equivalent)**
- 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

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PART 2 – QUALITY ASSURANCE (continued)

- unauthorized substitutions are used.
- A Fluoropolymer paint**
Corafon by PPG
412.434.4189
- B Matthews Paint +Super Satin Clear Kit 290 228SP**
MPC
800.323.6593
- C Acrylic adhesives**
Lord Corporation
866.567.3234
- D Fabricated signs, see potential bidders list.**
- 2.03 Sign Types (not all may apply)**
 - A Factory silkscreen:**
 - 1 On aluminum
 - B Vinyl legends (letters or other die-cut shapes):**
 - 1 On aluminum
 - 2 On glass
 - C Aluminum structures:**
 - 1 Extrusions, as noted.
 - 2 Aluminum sheet or plate, rolled as necessary.
 - 3 Aluminum hardware.
 - D Masonry/stone structures:**
 - 1 Raised concrete footers
 - 2 stone work over masonry
 - 3 Aluminum sign panels/letters on mason work
 - 4 cladding over internal frame
 - E Field silkscreen:**
 - 1 Surface, on painted aluminum or glass panels and doors.
 - F Channel letters - illuminated:**
 - 1 Fabricated/cast aluminum or stainless steel channels with internal light source (neon or LED)
 - 2 Reverse, halo lit or front lit with acrylic lens
 - H Cut letters:**
 - 1 Aluminum, stainless steel, bronze (hydrocut).
 - 2 Acrylic (computer driven router cut)
 - I Recessed Letters/numerals:**
 - 1 Sandblasted into limestone.
 - 2 Hydrocut into granite.
 - 3 Hand cut into granite.

- 4 Molded in precast concrete.
- J Raised letters and Braille:**
 - 1 Light sensitive coating (photo polymer) on aluminum backing laminated to clear painted acrylic backup panel. Raised letters are hot stamped with foil pigment or silk screened.
 - 2 Hydroformed letters and Braille reversed screened, back painting Lexan.
- K Individually set Braille:**
 - 1 Polished aluminum beads or glass beads.
- 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 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.

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

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PART 2 – QUALITY ASSURANCE (continued)

Aluminum should have consistency of color and finish throughout the project.

C Stainless steel sheet: Chromium stainless steel sheet. Use type 304 or type 316 austenitic stainless steel with 16% chromium and 10% nickel.

D 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.

E 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 -Corafalon 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 Mil DFT.

For components with textured finishes

1 Use single coat of Matthews Acrylic Polyurethane (black) with Matthews 287113SP suede additive for texture. Apply Corafalon topcoat in color specified.

Paint touch-up process - Corafalon

1 Do not touch up scratches using paintbrush.

2 Prep area by sanding with a very fine grit sand paper. Mix

Corafalon products on site immediately before spraying. Spray all locations with scratches in one batch. Mix Component A - Corafalon ADS and Component B - Corafalon 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.

3 Fluoropolymer - powder coat - Newlar - Spraylat

Finish color coat of fluoropolymer based powder coating. Minimum film thickness shall be 1.5 to 2.5 mils dry film thickness. Cure second coat between 392°F (200°C) for 15 minutes and 370°F (186°C) for 25 minutes.

Aluminum shall be properly cleaned and pretreated with a multi stage cleaning and pretreatment system to remove organic and inorganic surface soils and residual oxides. The pretreatment shall apply a chemical conversion coating to the aluminum substrate to which the organic powder coating will firmly adhere.

The pretreatment shall conform to ASTM D 1730, Type B Method 5 (Amorphous Chromium Phosphate Treatment) or Method 7 (Amorphous Chromium Treatment), or shall be an approved Non-Chrome Pretreatment system with a minimum of five stages

For normal temperate regions, one coat of fluoropolymer powder coating for exterior aluminum sign products. Minimum thickness shall be 1.5 - 2.5 mils dry film thickness.

Cure finish coat between 392°F (200°C) for 15 minutes and 370°F (186,C) for 25 minutes.

For regions along a coast with extensive salt air, fog and sunshine.

a) First primer coat of corrosion inhibitive powder coating primer Product # PE 1620 E. Minimum film thickness shall be 1.5 mils dry film thickness. Cure first coat between 392°F (200°C) for 5 minutes and 356°F (180°C) for 10 minutes.

b) Finish color coat of fluoropolymer based powder coating. Minimum film thickness shall be 1.5 to 2.5 mils dry film thickness. Cure second coat between 392°F (200°C) for 15 minutes and 370°F (186°C) for 25 minutes.

c) Measure temperatures at substrate.

Powder coat finish requires approved applicators.

To ensure the performance of this finish, the fabricator must choose from a list of applicators approved by the powder coat manufacturer. Fabricator MUST select and use applicators from this list. NO substitutions will be allowed.

4 Anodizing

Phosphoric acid anodizing is a chemical and electric treatment to aluminum to produce a hard, transparent surface that is integral with the base aluminum.

Aluminum shall be properly cleaned and pretreated prior to anodizing process.

F Pressure sensitive legends

1 Use "Scotchcal" brand film manufactured by 3M. Thickness: .003 inch minimum, .006 inch maximum. Material shall consist of a tough, flexible, pigmented, vinyl film and shall be processed with compatible screen printing inks and clear coatings as recommended by the film manufacturer. The film shall be pre-coated with pressure-sensitive adhesive. The adhesive shall be protected by a treated paper liner which shall be easily removable without soaking in water or other solvents.

2 Use "Scotchlite" brand reflective sheeting manufactured by 3M. Thickness: .0065 inch minimum, .0075 inch maximum. Material shall consist of transparent plastic having a smooth, flat outer surface embedded with spherical lens elements. Material shall be capable to being processed with compatible screen printing inks and clear coatings as recommended by the sheeting manufacturer. The sheeting shall be pre-coated by a treated paper liner that shall be easily removable without soaking in water or other solvents.

3 Shall be guaranteed against delamination for a period of 5 years.

G 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.

H 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.

I Concrete



Performance Specifications

Performance Requirements

Notes:
Description

PART 2 – QUALITY ASSURANCE (continued)

- 1 All concrete footers are to be poured in place.
- 2 All concrete footers are to be poured from thoroughly mixed and agitated concrete in order prevent unreasonable voids in the finished casting.
- 3 Concrete to meet specified "PSI Test" for strength: 3,500 psi minimum.
- 4 Concrete to meet specified "Slump test" before pouring footing.
- 5 All footings to extend past the frost line.
- 6 Any footers or posts for signs will be placed in wet concrete and allowed to fully cure in place before any signage is attached or mounted to it in any way.
- 7 Finish: All exposed faces of concrete shall receive a finish to match existing, adjacent surfaces.

J 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 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.

K 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.

- L **Liquid adhesive:** Silicone Silastic 732 RTV adhesive/sealant as manufactured by Dow Corning.

M LED lighting:

- 1 High efficiency, long life series parallel lighting system
- 2 Sign housings and frame shall be fully sealed against light leakage.

N Fluorescent lighting:

- 1 Unpainted fixture parts shall be either anodized aluminum, noncorrosive grade stainless steel or an equivalent

- noncorrosive material.
- 2 Sign housings and frame shall be fully sealed against light leakage.
- 3 In signs supplied with 277 volts, provide an aluminum .005 inch foil warning label with a permanent adhesive having a resistance to temperature ranging from minus 40 degrees Fahrenheit to plus 300 degrees Fahrenheit. Labels shall be placed one on either side of ballast housing cover between lamps so as to be readily seen when servicing. Labels shall have block lettering, 5/32 inches high, printed on the aluminum foil material and read "CAUTION - 277 VOLTS". Suggested label manufacturers: Seton or Specified Products.

Q Other lighting sources

- 1 Provide all specific call-outs on shop drawings for lamp type, necessary transformers or ballasts and all necessary electrical draws for service installation.
- 2 Locate all transformers on shop drawings. All necessary electrical hardware must be hidden.

P Extruded polycarbonate sheet: Polished on both surfaces. Notched Izod impact strength of 12 to 16 ft.-lbs. per inch per ASTM D-256 Elongation % of >100 per ASTM D-638 Modulus of elasticity (psi) of 345,000, per ASTM D-638 Heat deflection temperature of 270°F @ 264 psi, per ASTM D-648

Q Acrylic: cast acrylic sheet, in thicknesses and colors specified. Flame polish exposed edges. Exposed edges must be free of saw marks.

R Lexan film: General Electric Lexan Velvet Surface, matte second surface 5 mils or .010 inch thick.

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

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PART 2 – QUALITY ASSURANCE (continued)

- 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 slots to be removed only with a special driver head.
- K Messages**
The fabricator is responsible for creating individual layouts for all sign locations (include all room ID, directional, etc with unique messaging) utilizing the messaging provide in the schedule. 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 Fluorescent illumination: Furnish with 800 MA ballasts.
 - a Fluorescent ballasts shall be high power factory type low wattage/heat, full light output, for use with rapid start standard lamps. Voltage shall be as required by power supply.
 - b Provide all ballasts with approved integral thermal protection conforming to requirements of the NEC; UL class "P". "A" sound rating or better is required. Ballasts shall be CBM certified by the ETL and UL.
 - c Exterior ballasts: Low temperature type, providing reliable starting at -20 degrees Fahrenheit.
 - d Utilize 2 lamp ballasts wherever possible.
 - e Ballasts to be complete with heat radiators, capacitors and pressure relief devices.
 - 5 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.
 - 6 Provide emergency shut-off switches on exterior of sign, per UL regulations.
 - 7 Provide photo-cell device hidden near the sign face to automatically switch the sign on and off
 - 8 Encase all electrical wiring in flexible metal conduit or metal raceways.
 - a Hide raceways from view
- N Carving/sandblasting:**
Minimum 16 horsepower Rotary Screw Compressor. Build structure around it to contain and muffle the sound. Use self reclaiming sandblast machine specifically designed for graphic carving on vertical surfaces.
For interior applications, protect work area with units of 4' wide X 8' high freestanding acoustical screening and barrier. Use upright (7 ft. high) 2 Hp dust collection unit in addition to dust collection built into the sandblast unit. Dust unit to have a 735 CFM Hepa Air Purifier (or equal) with activated carbon filter.
- 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,



Performance Specifications

Performance Requirements

Notes:
Description

PART 3 – EXECUTION

unless otherwise shown. Refer to detail drawings for general method. Verify each surface in field 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 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).

D 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.

E 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.

F Install signs to be level, plumb and at the proper height. Cooperate with other trades for installation of sign units.

G Clean and polish, remove excess adhesive.

H 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.

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Section 6 Appendix



MPC194

Super Satin Clear Kit

290 228SP

This Super Satin Clear Kit is a two-component, 1.24 ready-to-spray VOC compliant, acrylic polyurethane clear, which was developed to provide extended performance under the toughest conditions.

Super Satin Clear is formulated with an excellent UV screening package that ensures protection of the color and substrate underneath or as a stand-alone clear coat.

Super Satin Clear is designed for topcoat applications to protect color coated substrate components, vinyl graphics or to highlight architectural metals, while providing extreme durability and protection.



Features:	Benefits:
<ul style="list-style-type: none"> • Exceptional Gloss Retention • Outstanding Protection • Extended Life Cycle • Easy Application • Low VOC • Four Times Better Performance Than Standard Clear Coats • Dirt-Shedding Surface 	<ul style="list-style-type: none"> • Durable, Uniform, Like-New Appearance • Excellent Resistance to Chalking, Weathering, Marring and Abrasion • Superior UV Resistance • Lengthens Application Life and Reduces Maintenance Costs

Compatible Surfaces:

290 228SP Super Satin Clear can be applied over:

- All MAP®, SVOC, MAP-LVS, MAP-LVG
- 74 777SP Tie Bond
- 74 793SP Spray Bond

Required Products:

283 920SP Super Satin Catalyst

2.8 VOC Reducers	3.5 VOC Reducers
6370SP Exempt Cool Temperature, 60 - 75°F (16 - 24°C)	6300SP Cool Temperature, 60 - 75°F (16 - 24°C)
6371SP Exempt Warm Temperature, 70 - 85°F (21 - 29°C)	6301SP Warm Temperature, 70 - 85°F (21 - 29°C)
6372SP Exempt Hot Temperature, 80°F (27°C) & above	6302SP Hot Temperature, 80°F (27°C) & above

Conventional Reducers can be used but will not be compliant in most heavily regulated areas.

290 228SP

Directions for Use

Surface Preparation: Substrate should be prepared according to product instructions prior to clearcoat application.

Mix Ratio:

Kit Mix Ratios (by volume). Using this entire kit at one time is recommended.

Clear	Catalyst	Appropriate 2.8 or 3.5 VOC Reducer
16.2 parts	1 part	3 parts

Pot life is 4 hours at 77°F (25°C)

Reducers:

Exempt MAP Reducers (2.8 VOC):	
6370SP	Exempt Cool Temperature, 60 - 75°F (16 - 24°C)
6371SP	Exempt Warm Temperature, 70 - 85°F (21 - 29°C)
6372SP	Exempt Hot Temperature, 80°F (27°C) & above
Low VOC MAP Reducers (3.5 VOC):	
6300SP	Cool Temperature, 60 - 75°F (16 - 24°C)
6301SP	Warm Temperature, 70 - 85°F (21 - 29°C)
6302SP	Hot Temperature 80°F (27°C) & above

Spray Set Up:

Air Pressure:	Conventional:	40 - 50 psi at the gun
	HVLP:	10 psi at the cap
	Pot Pressure:	15 - 18 psi
Gun Set Up:	Siphon Feed:	1.4 mm 0.055 fluid tip
	HVLP:	1.4 mm 0.055 fluid tip
	Pressure Pot:	1.2 mm 0.046 fluid tip

Application:

Apply:	1 full wet coat
	Flash 5 - 10 minutes between coats
	Follow with a second full wet coat
Recommended Wet Film Thickness:	5.1 - 7.5 mils
Recommended Dry Film Thickness:	1.5 - 2.2 mils

Caution: All 2-component crosslinking stops or slows significantly at temperatures below 60°F or 16°C. Never spray or subject freshly painted coatings to these conditions or loss of gloss, poor water and chemical resistance, decreased durability and improper curing will occur.

Drying Times:

Dry Times at 77°F (25°C)	
Dry to Touch:	1 - 2 hours
Dry to Handle:	10 - 12 hours
Dry to Recoat:	4 hours

Super Satin Clear Coat – Exterior

Notes

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.



Super Satin Clear Coat – Exterior

Notes

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.

290 228SP

Super Satin Clear Kit

Important:

The contents of this package may have to be blended with other components before the product can be used. Before opening the packages, be sure you understand the warning messages on the labels of all components, since the mixture will have the hazards of all its parts. Improper spray technique may result in a hazardous condition. Follow spray equipment manufacturer's instructions to prevent personal injury or fire. Follow directions for respirator use. Wear eye and skin protection. Observe all applicable precautions.

See Material Safety Data Sheet and Labels for additional safety information and handling instructions.

EMERGENCY MEDICAL OR SPILL CONTROL INFORMATION - US (412) 434-4515; CANADA (514) 645-1320; MEXICO 01-800-00-21-400

Materials described are designed for application by professional, trained personnel using proper equipment and are not intended for sale to the general public. Products mentioned may be hazardous and should only be used according to directions, while observing precautions and warning statements listed on label. Statements and methods described are based upon the best information and practices known to Matthews Paint. Procedures for applications mentioned are suggestions only and are not to be construed as representations or warranties as to performance, results, or fitness for any intended use, nor does Matthews Paint warrant freedom from patent infringement in the use of any formula or process set forth herein. If you require technical assistance, please call us toll-free 800-323-6593.



The World's Finest Coating For Architectural Signage

760 Pittsburgh Drive
 Delaware, OH 43015
 Toll Free: 800-323-6593
 Toll Free FAX: 800-947-0377

Directions for Use

Equipment Cleaning:

Clean up equipment promptly with 45 340SP Cleanz-It or an all-purpose cleanup solvent.
 Do not leave mixed material in equipment.

Technical Data:

Exempt Reducers VOC Information	
290 228SP Super Satin Clear	1.29
283 920SP Catalyst	0.95
6370SP, 6371SP, 6372SP Exempt Reducers	0.00
Ready to Spray (16.2 : 1 : 3)	1.24
Low VOC Reducers VOC Information	
290 228SP Super Satin Clear	2.11 (with 6301SP)
283 920SP Catalyst	0.95
6300SP, 6301SP or 6302SP Reducer	6300 = 6.32 VOC 6301 = 6.35 VOC 6302 = 6.41 VOC
Ready to Spray (16.2 : 1 : 3)	3.17
With Conventional Reducers	
	45280 = 2.95 VOC 45290 = 2.95 VOC 6379 = 2.89 VOC 6396 = 2.93 VOC
Performance Characteristics	
Volume solids (RTS)	29.50%
Weight solids (RTS)	10.70 lbs.
Theoretical Coverage (1.0 mil @ 100% transfer efficiency)	512.5 sq.ft./RTS gal.
Application Conditions	60°F (16°C) minimum 100°F (38°C) maximum
Relative Humidity	85% maximum 5° above dew point
Gloss	30 units w/60° meter
Flash Point (Tag closed cup)	Below 100°F (27°C)

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.

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