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Borough of Phoenixville
Streetscape Wayfinding Sign System - 95% Design Intent Document_r1

| | | | |
|---------|------------------------------------|-----------|-------------------------|
| Client | Borough of Phoenixville | Project # | 510460 |
| Project | Streetscape Wayfinding Sign System | Date | 06.13.12 07.20.12_r1 |

Project Information/Specifications/Design Overview

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Scope of Work

ex;it has developed a streetscape wayfinding sign program for the Borough of Phoenixville, PA. This program includes Gateway, Trailblazer, Directional, and Parking ID signage for the accessibility and use of traffic throughout the borough.

Open Issues

1. Ground conditions vary and need to be surveyed for final footer/foundation design.
2. MUTCD traffic and signage standards to be reviewed for background and messaging retroreflectivity.
3. MUTCD traffic and signage standards to be reviewed for need and use of break-away hardware of sign posts.
4. Trailblazer naming to be reviewed; Phoenixville or Downtown?
5. Gateway sign intenal illumination engineering by sign fabrication w/ coordination by design team.
6. Prototype testing needs to be done. Final prototypes needed, TBD, to be reviewed by client, designer, and fabricator; upon approval sign fabrication can begin.
7. ex;it recommends a Phase 2 project consisting of Pedestrian wayfinding, Trail wayfinding, and Storefront graphic guidelines.

Project Contacts

Owner

Borough of Phoenixville
140 Church Street
Phoenixville, PA 19460

Signage Consultant

ex;it

Suite 1665
1617 JFK Boulevard
Philadelphia, Pennsylvania 19103

Contact: Kelly Bennett
215.561.1950
kelly.bennett@exploreexit.com

| Design Intent Documentation | |
|--|------------------------------------|
| <i>Client Name and Address</i> Borough of Phoenixville 140 Church Street Phoenixville, PA 19460 | <i>Date</i> 6.13.12 |
| | <i>Drawn</i> DB |
| | <i>Project #</i> 510460 |
| <i>Project Name and Address</i> Borough of Phoenixville 140 Church Street Phoenixville, PA 19460 | <i>Revisions</i> 7.20.12 |
| <i>Notes</i> | |
| <i>Drawing Description</i> Project Information | |
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General Specifications—continued

1.00 Project Description

- A Owner:
The Borough of Phoenixville
Chester County, Pennsylvania
Borough Hall, 140 Church Street
Phoenixville, PA 19460
- B The project is located at the following address:
The Borough of Phoenixville
Chester County, Pennsylvania
Borough Hall, 140 Church Street
Phoenixville, PA 19460
- C This project consists of illuminated gateway signage as well as non-illuminated pedestrian wayfinding, trailblazer ID, and parking ID for the Borough of Phoenixville.

2.00 Included Work

- A Site verification, fabrication, delivery and installation of all signs types and quantities indicated in the final approved message schedule and location plan. Contractor to verify the sign quantities from the message schedule and location plans and if discrepancies exist, notifying the designer of any such discrepancies.
- B Work shall include all support structures and fasteners required for installation.
- C Work shall include all design engineering needed to produce the project to comply with all applicable municipal, state and federal code and structural soundness.
- D Contractor to provide all services, subcontractors, labor, materials and equipment needed to complete the work described in this design drawings and specifications document.
- E. At the completion of the project and within 5 working days the sign contractor shall perform a walk-through with the designer and owner to inspect the installation and create a punch list of all unsatisfactory items.

3.00 Work Quality

- A All work to be done in a professional manner and to the highest trade standards.
- B Contractor is responsible for insuring the quality standards above for all related professional and trade subcontracted

work including: general carpentry, masonry, electrical, landscaping, or utilities required for the installation of all sign types as described, unless otherwise agreed to by owner. All subcontracted work must meet the general accepted professional standards.

4.00 Submittals

4.01 Shop Drawings

Fabricator shall submit one (3) sets of shop drawings as outlined below:

- A Include plans, elevations, sections and large-scale details of sign wording and lettering layout. Provide drawing layouts of each individual sign face. Show anchorages and accessory items.
- B Show fabrication and installation details, including all sign components such as extrusions, brackets, bracing, hardware, internal framing, foundations, etc.

4.02 Samples

- A Samples shall be clearly labeled on the back (where possible), designating item number, name of manufacturer, sign type and location.
- B Samples should represent extreme variations in color and texture that might occur during fabrication.
- C Designer 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.

4.03 Color and Finish Samples

Submit two (2) samples of each color and finish applied on each material type indicated in the drawing package. Samples should represent the final finish of each element and will be used as control samples for production approval.

- A 6” sq. color sample plates of each painted finish.
- B 6” sq. material sample plates of each finish material.
- C 6” sq. material Samples of intended translucent acrylic Sign Face.

4.04 Paper Templates

- A Sign Fabricator shall provide for designer approval half size paper templates of each sign showing graphic elements. Templates should be fully assembled or have complete

registration marks for assembly.

4.05 Sign Mock-up Test

- A Sign Fabricator shall provide for designer approval full size banner templates of each sign type. Templates to be hung at each on-site location prior to fabrication of signage, for review by designer and client..

4.06 Sign Prototypes

- A Sign Fabricator shall provide for designer approval (1) full-size partial prototype of sign the gateway and vehicular directional signs. Prototypes to incorporate materials, finishes and processes noted in Design Intent package and utilize construction methods that will be incorporated in final sign type fabrication. If approved, prototype components to be used in final sign fabrication.

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Fabrication—Materials

5.00 Regulatory Requirements.

- A All installation work shall comply with applicable municipal, state and federal codes, sign ordinances and ADA guidelines for handicapped and fire/life safety signing.
- B All OSHA safety requirements will be implemented during fabrication and installation as needed or required to comply with safety regulations.

6.00 Reference Standard

The following materials reference standards will apply to the work materials (use most current version of reference standards):

| | |
|-----------------------------|--|
| ASTM A36 | Structural Steel |
| ASTM A123 | Zinc (Hot Galvanized) coatings on products fabricated from rod, pressed and forged steel shapes, plates and bars. |
| ASTM B221 | Aluminum-alloy extruded bars, rods, wire, shapes and tubes. |
| ASTM D822 | Light and water exposure apparatus (carbon-arc type) for testing paint, varnish, lacquer, and related products. |
| ASTM E84 | Surface-burning characteristics of building materials.lacquer and related products. |
| AWI | Comply with applicable requirements of "Architectural Woodwork Quality Standards" published by the Architectural Woodwork Institute. |
| CDA | Copper Development Association, Inc. |
| FS L-P-391 | Plastic sheet, rods and tubing, rigid, cast materials. |
| FS L-P-387 | Plastic sheet, laminated, thermosetting. |
| PS-1 | Construction and industrial plywood. |
| PEI | Procelain Enamel Institute. |
| TM B135 QQ-B-613 (Fed Spec) | Brass, Muntz 280 |
| UL-943 | Fluorescent lamp ballasts. |

7.00 Protection and Storage

- A Contractor is responsible for storage of signs and assemblies and protection from damage at the shop, in transit and until erected in place, complete, inspected and accepted by owner.
- B Contractor is responsible for the replacement pilferage both prior to and until inspection and acceptance of installation by the owner.

8.00 Inspection

- A All production materials, color samples and paints, fabricated or partially fabricated items shall be available for inspection, on-site or in the shop, by the owner or designer during the manufacturing process and until final delivery, installation and acceptance, to determine compliance with the requirements of these specifications.
- B Shop inspection approvals do not guarantee final acceptance of installed work.

9.00 Installation

- A Install Sign units and components with concealed fasteners unless otherwise shown. Refer to drawings for general method of installation. Verify each surface in field to determine appropriate mounting hardware. Sign fabricator is responsible for determining where below ground or in-wall structural tie-ins may be required.

10.00 Clean Up

- A Daily and upon completion of installation remove all waste, dirt, wrappings and excess materials, tools and equipment and thoroughly clean all surfaces to the satisfaction of the owner.

11.00 Reordering

- A All items specified in this package 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.

12.00 Warranty

- A Warrant all products (including, but not limited to, materials, hardware and finishes) against any and all defects for a minimum period of seven years from date of installation.

- B Vinyl die-cut letters: warranted for seven years against delamination from substrate.
- C Paint finishes: warranted for seven years against fading or chalking, corrosion developing beneath paint surfaces of the support systems (except for obvious vandalism or other external damage to the paint surfaces).
- D Corrosion of the fastenings.
- E The signs not remaining true and plumb on their supports during normal wear.
- F Fading of the colors when matched against a sample of the original color and material.
- G Discoloration of metal finishes.
- H Uneven illumination; dark or hot spots.
- I The contractor shall correct any and all material and/or workmanship defects in 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. Corrections include, but are not limited to: disfiguring of any surface due to chalking, rusting, bubbling, crazing or other disintegration of the sign face or of the messages or of the edge finish of the sign inserts or panel.

13.00 Metals

13.01 Aluminum

- A Aluminum shall be of best commercial quality and the various forms shall be straight and true. There shall be no scratches, scars or buckles. Size thickness, and finish of aluminum shall be per NAAMM "Metal Finishes Manual". Comply with the following industry standards.
- B Aluminum sheets shall conform to ASTM B209 6061-T6
- C Aluminum extrusions shall conform to ASTM B241 6063 T6. Wall thickness shall be a minimum of 1/8" thick unless otherwise shown.

14.00 Plastics

14.01 Cast Acrylic Sheet

- A Provide cast (not extruded or continuous cast) methyl methacrylate monomer plastic sheet, in sizes and thicknesses

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General

indicated, with a minimum flexural strength of 16,000 psi when tested in accordance with ASTM D 790, and a minimum allowable continuous service temperature of 176° F (80° C).

- B Cast acrylic sheet shall also be flame resistant so that application of a lighted match shall not produce melting, flashing, flaring or distortion. Signs shall not ignite at a temperature less than 800° F.

14.02 Polycarbonate Sheet

- A Polycarbonate shall be UV resistant with minimum 5 year written warranty against breakage, yellowing and loss of light transmission.

15.00 Adhesives and Tapes

15.01 Foam Tape

- A Provide 3M double coated foam tape 4016, 4032 or equal.
- B Adhesive shall be A-20 Acrylic
- C Carrier shall be urethane foam

15.02 Laminating Adhesive

- A Provide Flexcon V9590 D/FPFW clear or equal.

15.03 VHB Foam Tapes

- A Provide 3M Scotch VHB 4930
- B Adhesive shall be Acrylic VHB
- C Carrier shall be closed cell foam

15.04 Silicone Adhesive

- A TTs-00230C, ASTM C920 Clear, (Acetoxy Cure)

15.05 Epoxy

- A 3M DP-110 or equal

16.00 L.E.D. Lighting

- A The Contractor shall furnish the complete LED-based lighting system to meet Design Intent Drawing Specifications.
- B The LED fixture shall be operated at constant and carefully regulated current levels. LEDs shall not be overdriven beyond their specified nominal voltage and current.

C For wet and damp use, LED-based fixture itself shall be sealed, rated, and tested for appropriate environmental conditions, not accomplished by using an additional housing or enclosure.

D All hardwired connections to LED fixtures shall be reverse polarity protected and provide high voltage protection in the event connections are reversed or shorted during the installation process.

E All LED fixtures and power supplies shall be provided by a single manufacturer to ensure compatibility.

F All products associated with installation and control of the LED system, including peripheral devices and software are to be provided by a single manufacturer.

G Power supply outputs shall have current limiting protection.

H Power supply shall provide miswiring protection.

I Power supply shall have power factor correction.

J Power supply shall provide connections that are conduit-ready or clamp-style connections for the low-voltage wiring.

K Power supply shall come with a housing that meets a minimum IP20 rating for dry location installation.

L All LEDs used in the LED fixture shall be high brightness and proven quality from established and reputable LED manufacturers.

M Manufacturer of LED systems shall utilize an advanced production LED binning process to maintain color consistency.

N LED fixture shall be UL listed or UL classified.

O LED fixture shall be CE certified.

P LED fixtures shall be PSE marked.

Q Power supply shall be UL listed for Class 1 or Class 2 wiring

R Manufacturer shall be able to provide supporting documentation of the product meeting third party regulatory compliance.

S Manufacturer shall ensure that products undergo and successfully meet appropriate design and manufacturability testing including Design FMEA, Process FMEA, Environmental Engineering Considerations and Laboratory Tests, IEC standards and UL/CE testing.

T All LED fixtures (100% of each lot) shall undergo a minimum

eight-hour burn-in test during manufacturing.

U Manufacturer shall provide optical performance, polar diagrams, and relevant luminance and illuminance photometric data based on test results from an independent testing lab.

V Manufacturer shall provide photometric data in IES file format in accordance with IES LM-63-2002, based on test results from an independent testing lab.

W Manufacturer shall provide mechanical, electrical, network communication and environmental specifications.

X Manufacturer shall provide installation guides, wiring diagrams and applications engineering services.

17.00 Quality Assurance

A Work done and materials furnished shall meet the highest industry standards in every respect and, unless otherwise specified, materials and equipment shall be new and of the latest design.

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 designer for resolution.

E Materials and hardware not specified, but necessary to the complete functioning of the sign, shall conform to the quality level established.

F Substitutions of items specifically indicated in this specifications package that serve the same function with equal performance will be considered upon submission of substitution.

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Drawing Description

General Specifications

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18.00 General

- A Fabricate signs to comply with the requirements indicated for materials, thicknesses, finishes, colors, designs, shapes, sizes and details of construction. Sign panel surfaces shall be smooth, even and fabricated to remain flat under installed conditions. Where specification calls for painted edges, they shall be routed and painted to match face color. For framed units, edges shall be painted or brushed to match finish of face of unit unless otherwise indicated on drawings.

18.01 Digitally Printed Media

- A Printer to have direct-to-substrate printing capabilities with CMYK and White ink options.
- B All media is to be opaque, with full even coverage, and free from dust bubbles, blemishes and other foreign matter.
- C Sign Contractor should seek to minimize visible banding over color fields and large graphics. Designer reserves the right to reject print samples that display excessive banding.

18.02 Cut Metal and Acrylic Letters

- A Letters shall be cut from sheet stock to thickness specified in design documentation.
- B All letterforms, logo symbols, graphics and icons shall exactly replicate the form as specified in the standards of this document. Manual filing of interior shapes to remove material left by router bit may be required to create accurate forms.

18.03 Aluminum and Acrylic Letter Finishes.

- A Return edges shall be painted to match letter face unless otherwise specified.
- B Brushed finished aluminum letters to have sandblasted edges unless otherwise specified.

18.04 Cut Letter Mounting

- A Cut metal letterforms shall be mounted on surfaces as indicated in the design documentation package.

18.05 Engraved ADA Lettering and Braille

- A Letters and characters shall be raised 1/32" and be accompanied by redundant Grade 2 Raster Braille.

Tactile lettering shall be either laser or rotary engraved and meet all ADA and IBC/ANSI A117.1 requirements in terms of edge detailing and angle of letter and character return.

- B Letters and characters should be of cast sheet engraving stock with integral color and shall meet all ADA and IBC/ANSI A117.1 requirements in terms of finish (eggshell, matte or non-glare). Color shall be as specified in the design documentation package.

18.06 Chemically Deep-Etched Zinc

- A Letters and characters shall be raised 1/32" and be accompanied by redundant Grade 2 Braille copy. Tactile lettering shall meet all ADA and IBC/ANSI A117.1 requirements in terms of edge detailing and angle of letter and character return.
- B Letters and characters shall meet all ADA and IBC/ANSI A117.1 requirements in terms of finish (eggshell, matte or non-glare). Color shall be as specified in the design documentation package.

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4 Panels

3 Panels

2 Panels

1 Panel

DIR.1
Vehicular
Directional



PRK.1
Parking
Identification



TRL.1a
Trailblazer
3" Letter Height



TRL.1b
Trailblazer
4" Letter Height



TRL.1b
Trailblazer
6" Letter Height



GWY.1
Gateway
Identification
8" Letter Height



DIR.1 Vehicular Directional- Graphic Destination, Panel Size and Background Color
3/4" = 1'
Background Panel: P5
Red Car Line- MP #15775, or approved equal.
Copy and Arrow: Reflective White Vinyl.



DIR.1 Vehicular Directional- Graphic Destination, Panel Size and Background Color
3/4" = 1'
Background Panel: P5
Aranciata Orange- MP #01229, or approved equal.
Copy and Arrow: Reflective White Vinyl.



DIR.1 Vehicular Directional- Graphic Destination, Panel Size and Background Color
3/4" = 1'
Background Panel: P5
Beetroot- MP #04766, or approved equal.
Copy and Arrow: Reflective White Vinyl.

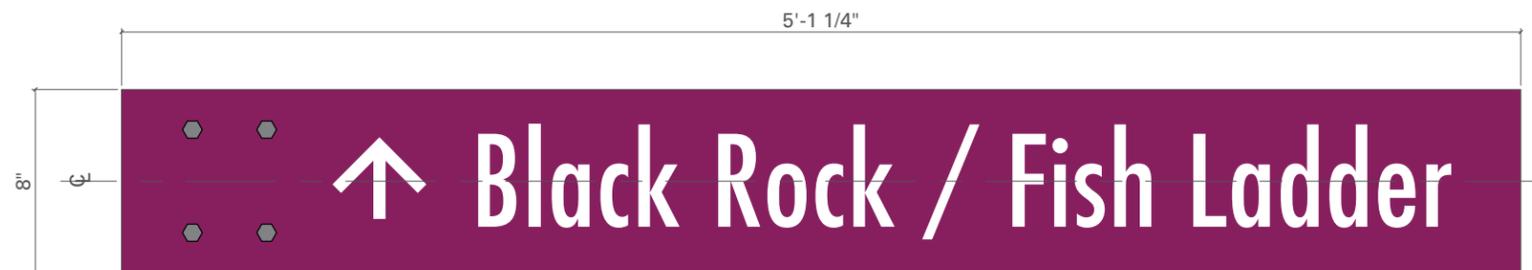


DIR.1 Vehicular Directional- Graphic Destination, Panel Size and Background Color
3/4" = 1'
Background Panel: P5
Alizarine Red- MP #11124, or approved equal.
Copy and Arrow: Reflective White Vinyl.

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| <i>Sign Type #</i> DIR.1 | <i>Sign Type Description</i> Directional-Post and Panel |
| <i>Drawing Description</i> Spec. Details | |
| <i>Section</i> 2 Documentation Drawings | <i>Sheet No.</i> 2.03 |



DIR.1 Vehicular Directional- Graphic Destination, Panel Size and Background Color
3/4" = 1'
Background Panel: P5
Alizarine Red- MP #11124, or approved equal.
Copy and Arrow: Reflective White Vinyl.



DIR.1 Vehicular Directional- Graphic Destination, Panel Size and Background Color
3/4" = 1'
Background Panel: P5
Beetroot- MP #04766, or approved equal.
Copy and Arrow: Reflective White Vinyl.



DIR.1 Vehicular Directional- Graphic Destination, Panel Size and Background Color
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Verification of conditions in field prior to submission of shop drawings and samples.

Submittals for approval by ex;it prior to fabrication and installation, including but not limited to shop drawings of all graphics with seal of registered engineer and samples of all materials, colors, applications and finishes. Refer to Section 1 Specifications of this document for more information.

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| <i>Sign Type #</i> DIR.1 | <i>Sign Type Description</i> Directional- Post and Panel |
| <i>Drawing Description</i> Spec. Details | |
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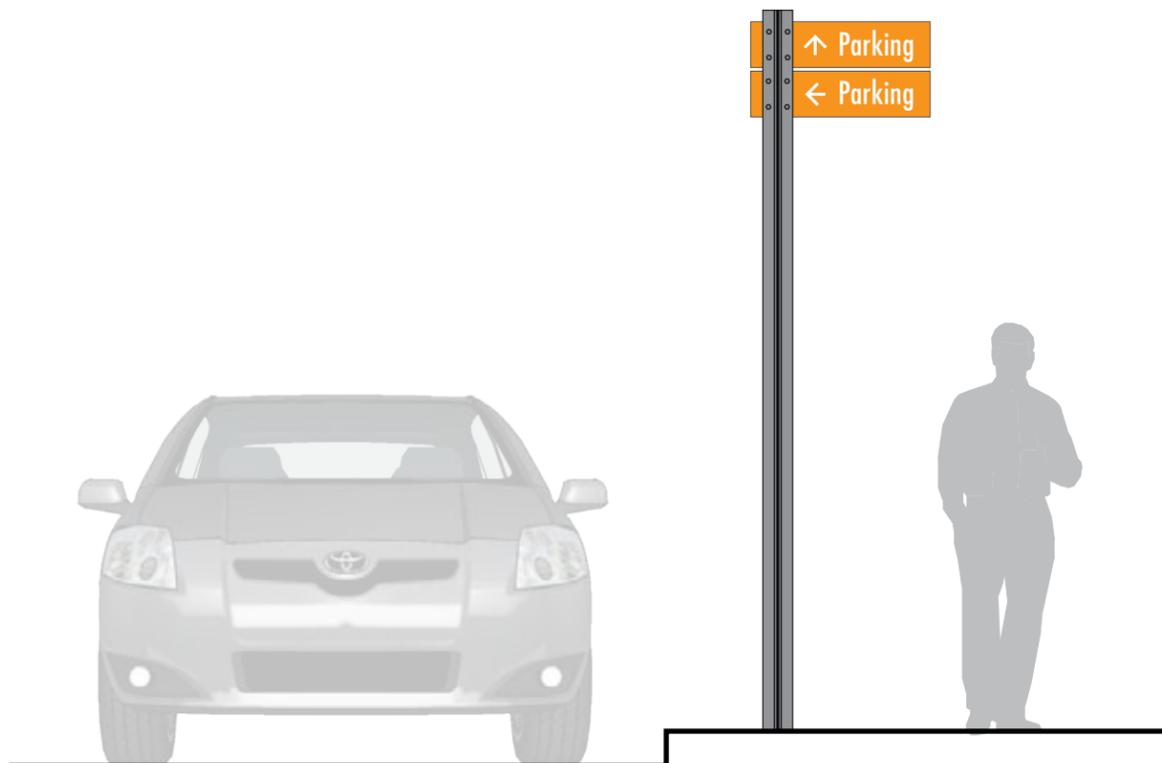
Verification of conditions in field prior to submission of shop drawings and samples.

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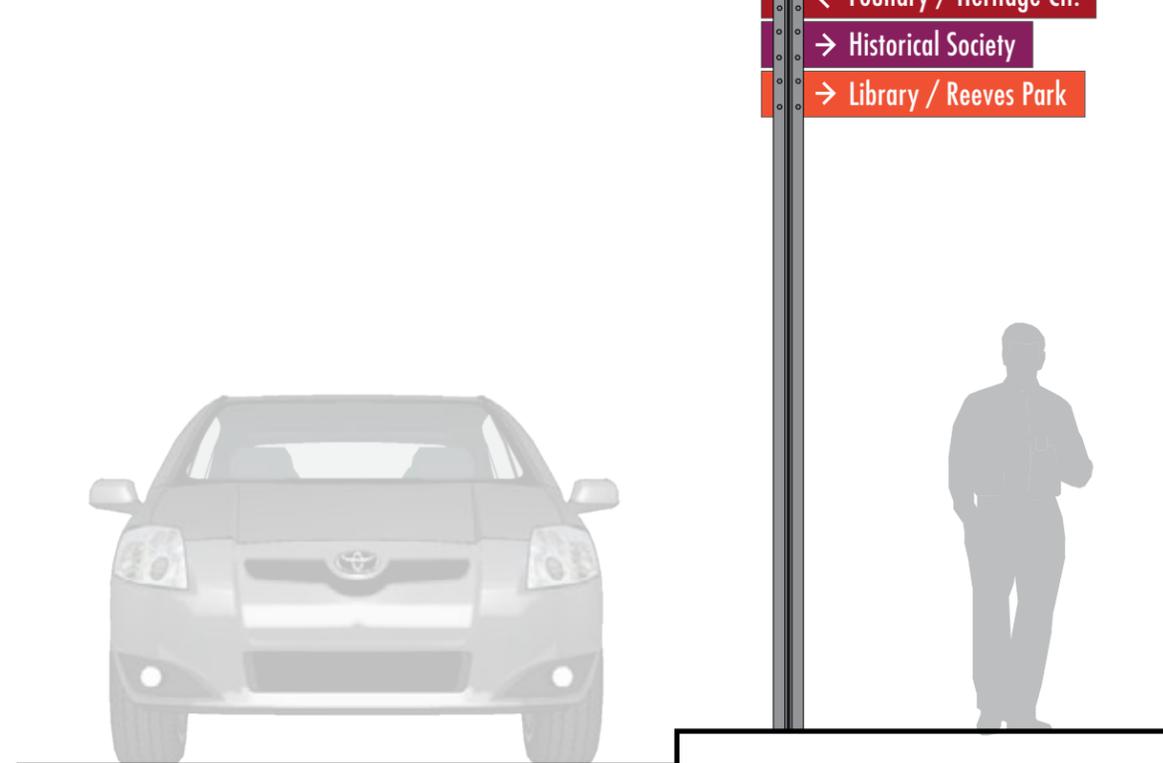
| Sign Type # | Sign Type Description |
|--------------|-----------------------------------|
| DIR.1 | Directional-Post and Panel |

Drawing Description
Sign Copy Layouts

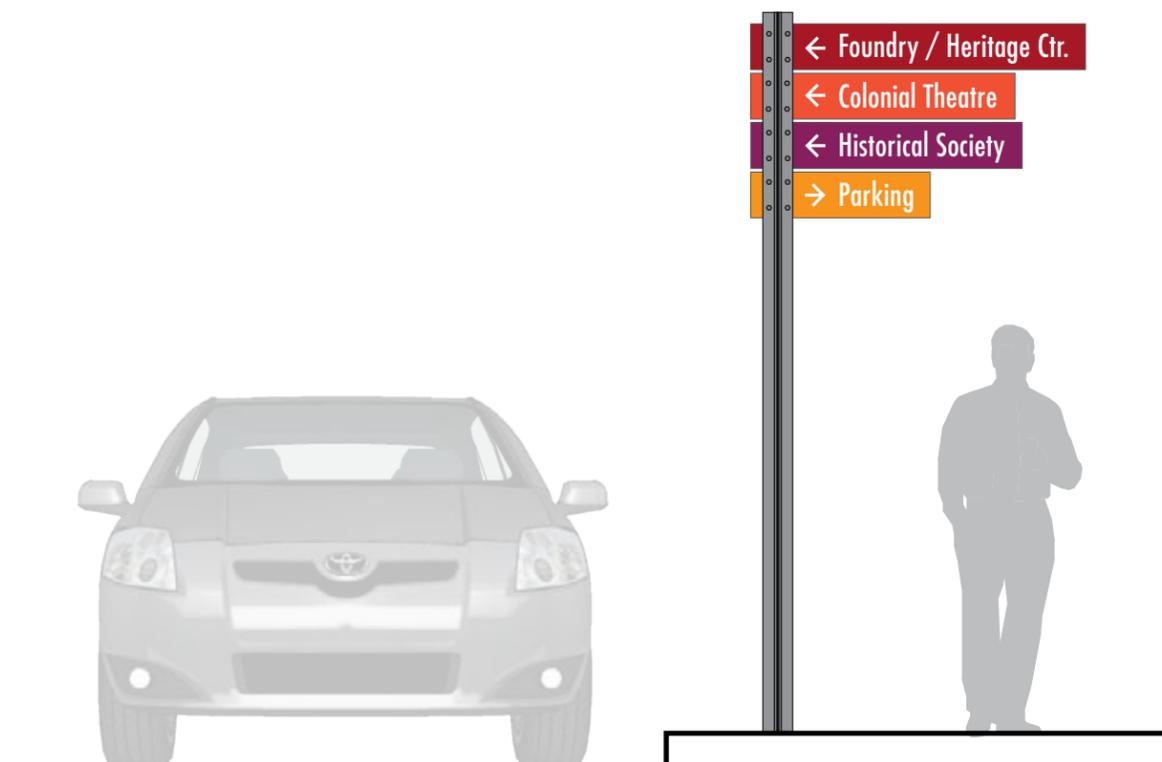
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| 2 Documentation Drawings | 2.05 |



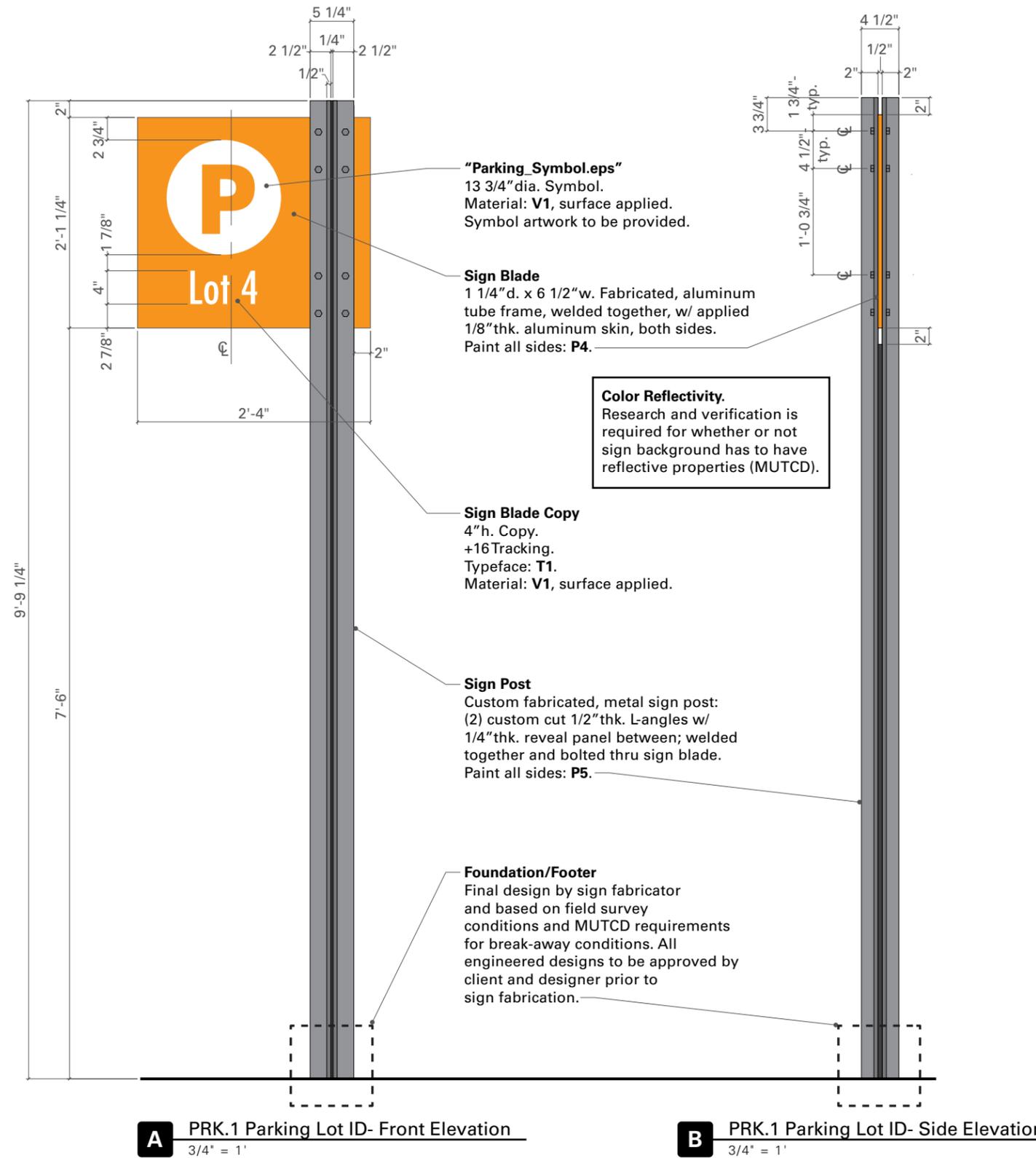
A DIR.1 Vehicular Directional: 2- Panel Variations
3/8" = 1'



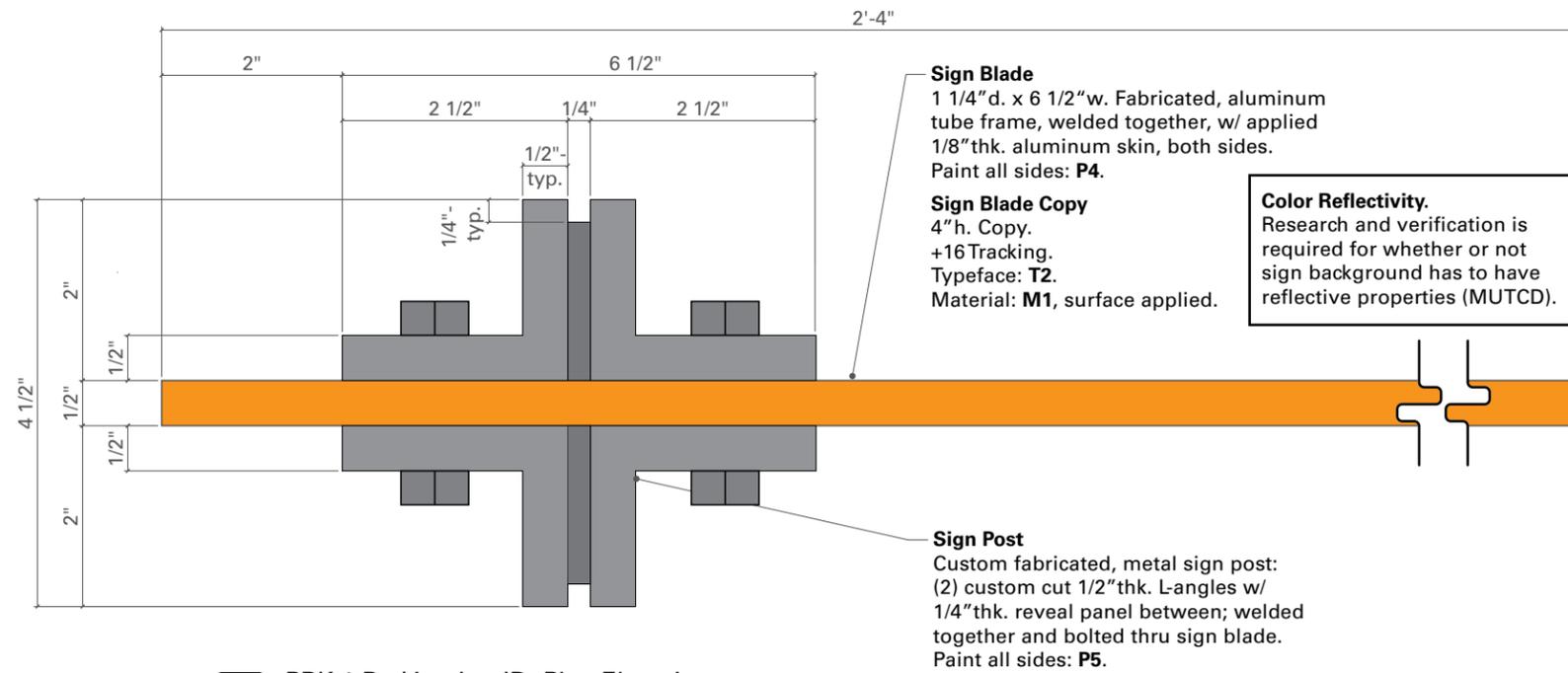
A DIR.1 Vehicular Directional: 3- Panel Variations
3/8" = 1'



A DIR.1 Vehicular Directional: 3- Panel Variations
3/8" = 1'



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| Sign Type # PRK.1 | Sign Type Description Parking ID- Post and Panel |
| Drawing Description Elevations and Details | |
| Section 2 Documentation Drawings | Sheet No. 2.06 |



C PRK.1 Parking Lot ID- Plan Elevation
6" = 1'



D PRK.1 Parking Lot ID- Install Elevation
1/4" = 1'

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| <i>Client Name and Address</i> Borough of Phoenixville 140 Church Street Phoenixville, PA 19460 | <i>Date</i> 6.13.12 |
| | <i>Drawn</i> DB |
| | <i>Project #</i> 510460 |
| <i>Project Name and Address</i> Borough of Phoenixville 140 Church Street Phoenixville, PA 19460 | <i>Revisions</i> 7.20.12 |

Notes

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Structural integrity, electrical function and connections to power and communications sources to satisfy owner's requirements.

Co-ordination with contractor and other trades, including but not limited to lighting, structural, communications and landscaping schemes.

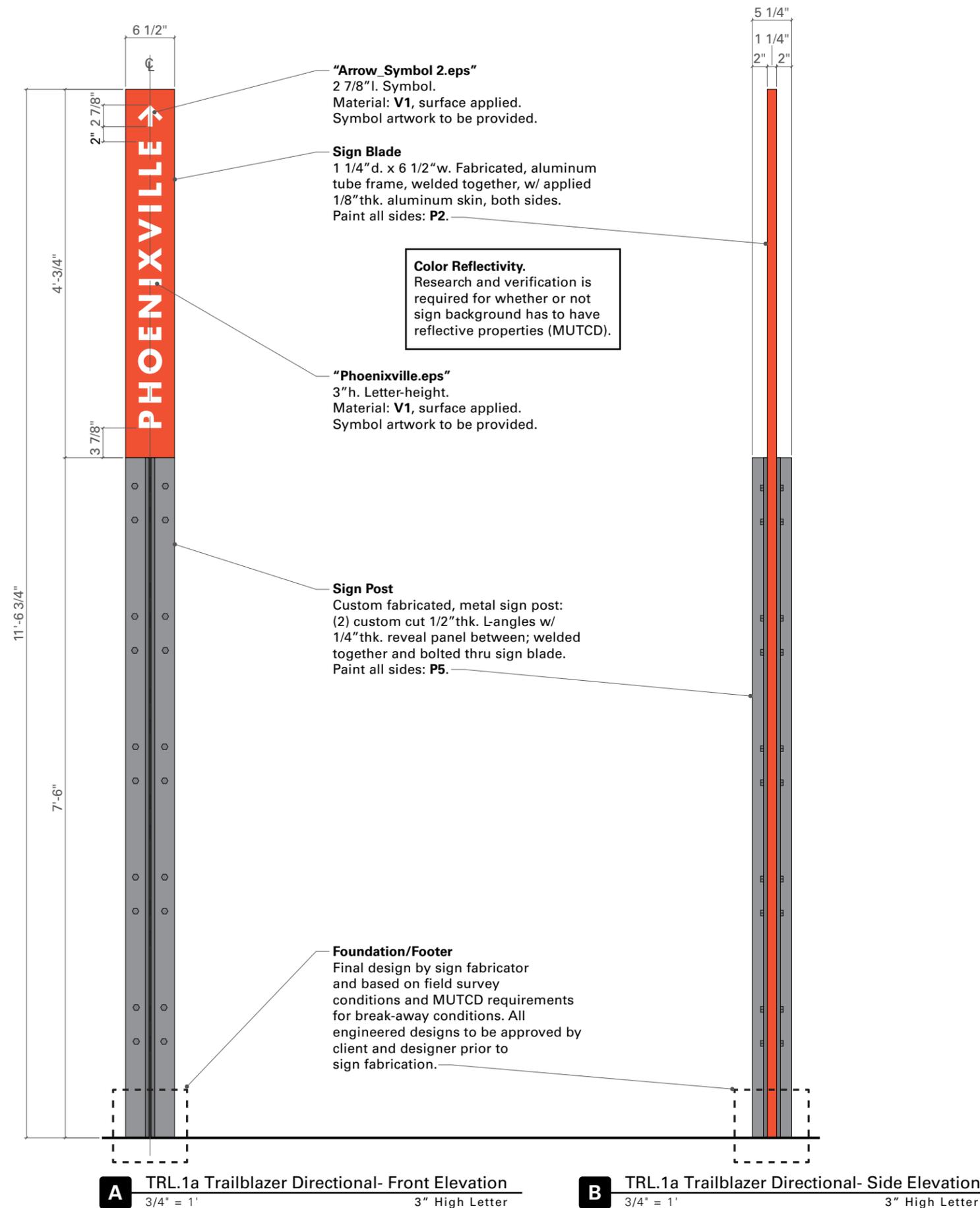
Verification of conditions in field prior to submission of shop drawings and samples.

Submittals for approval by ex;it prior to fabrication and installation, including but not limited to shop drawings of all graphics with seal of registered engineer and samples of all materials, colors, applications and finishes. Refer to Section 1 Specifications of this document for more information.

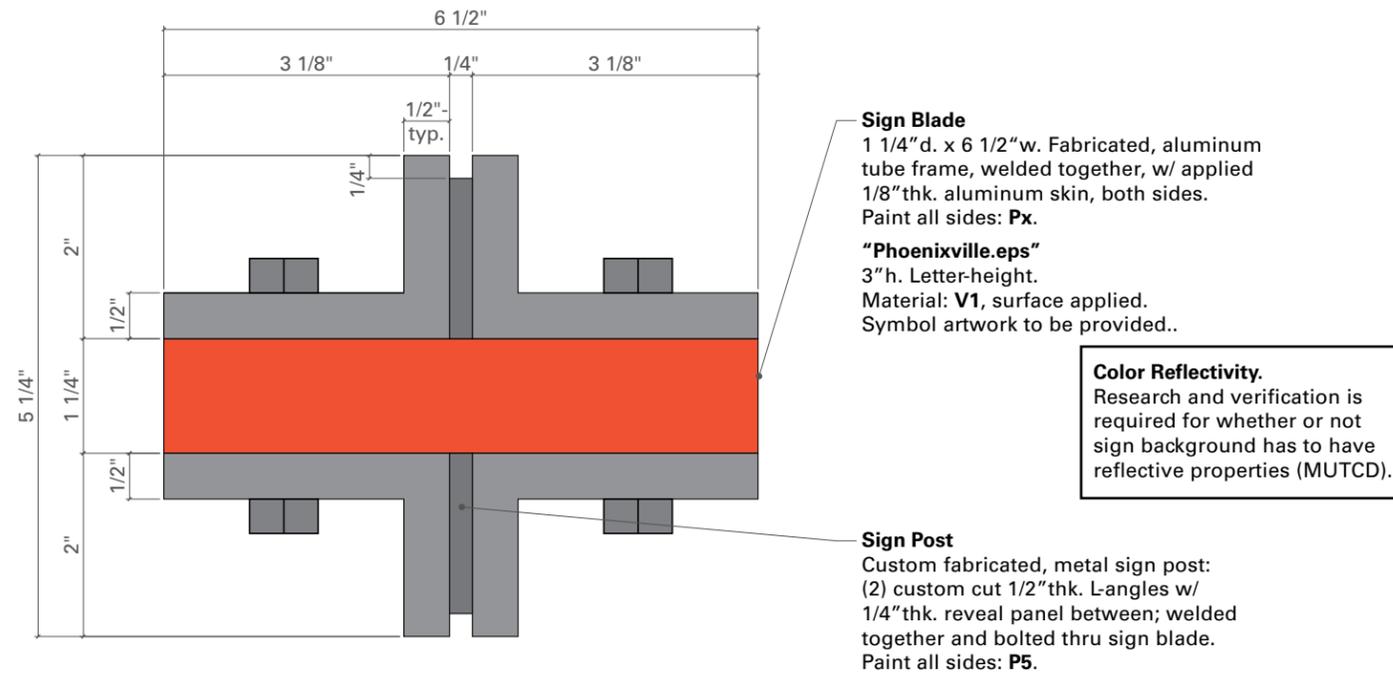
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| <i>Sign Type #</i> PRK.1 | <i>Sign Type Description</i> Parking ID- Post and Panel |
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Drawing Description
Elevations and Details

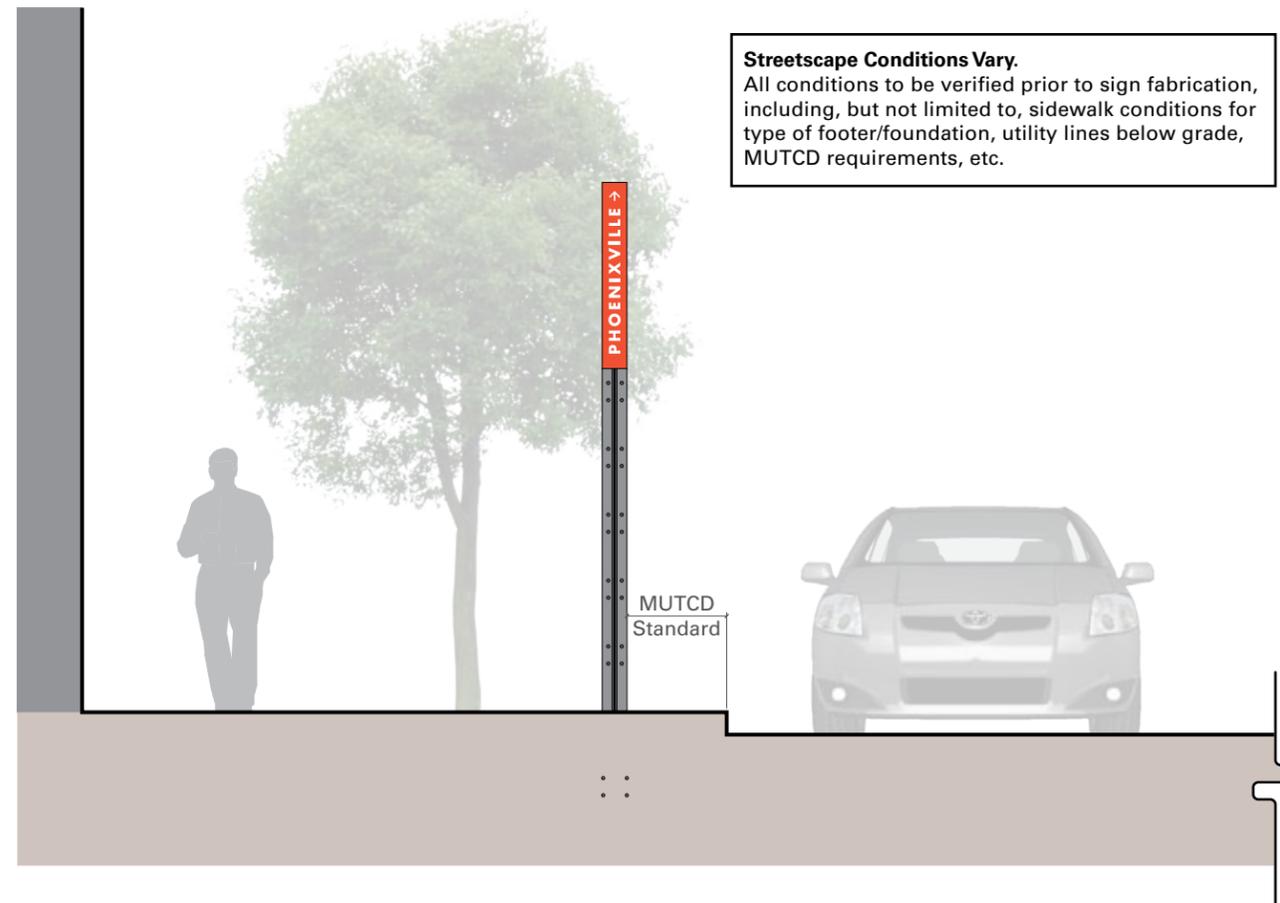
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| <i>Section</i> 2 Documentation Drawings | <i>Sheet No.</i> 2.07 |
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| Design Intent Documentation | |
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| <i>Client Name and Address</i> Borough of Phoenixville 140 Church Street Phoenixville, PA 19460 | <i>Date</i> 6.13.12 |
| | <i>Drawn</i> DB |
| | <i>Project #</i> 510460 |
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| <i>Sign Type #</i> TRL.1a | <i>Sign Type Description</i> Trailblazer Pylon |
| <i>Drawing Description</i> Elevations and Details | |
| <i>Section</i> 2 Documentation Drawings | <i>Sheet No.</i> 2.08 |



C TRL.1a Trailblazer Directional- Side Elevation
6" = 1' 3" High Letter



D TRL.1a Trailblazer Directional- Install Elevation
1/4" = 1' 3" High Letter

Design Intent Documentation

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| <i>Client Name and Address</i> Borough of Phoenixville 140 Church Street Phoenixville, PA 19460 | <i>Date</i> 6.13.12 |
| | <i>Drawn</i> DB |
| | <i>Project #</i> 510460 |
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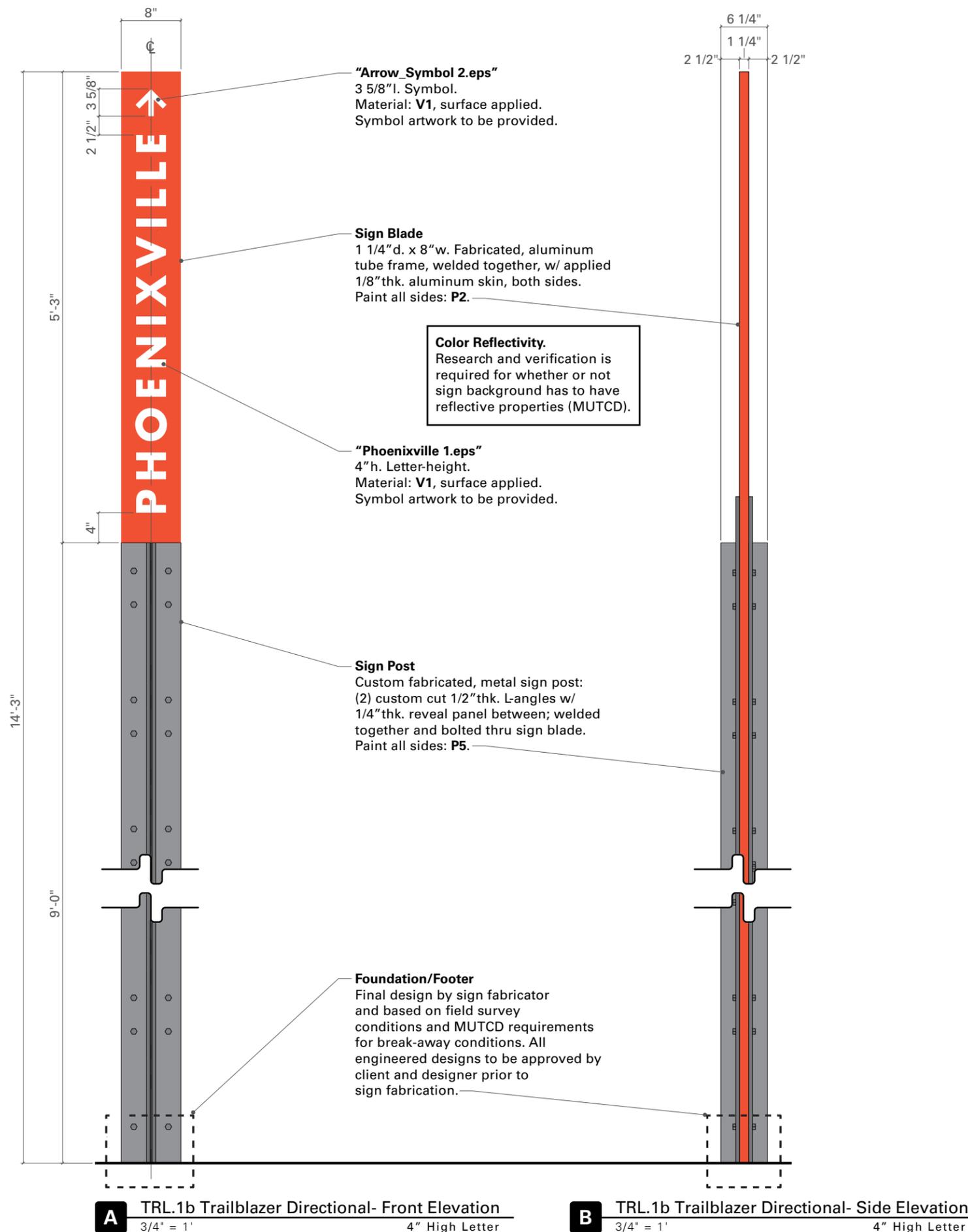
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| <i>Sign Type #</i> TRL.1a | <i>Sign Type Description</i> Trailblazer Pylon |
| <i>Drawing Description</i> Elevations and Details | |
| <i>Section</i> 2 Documentation Drawings | <i>Sheet No.</i> 2.09 |



Design Intent Documentation

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| <i>Client Name and Address</i> Borough of Phoenixville 140 Church Street Phoenixville, PA 19460 | <i>Date</i> 6.13.12 |
| | <i>Drawn</i> DB |
| | <i>Project #</i> 510460 |
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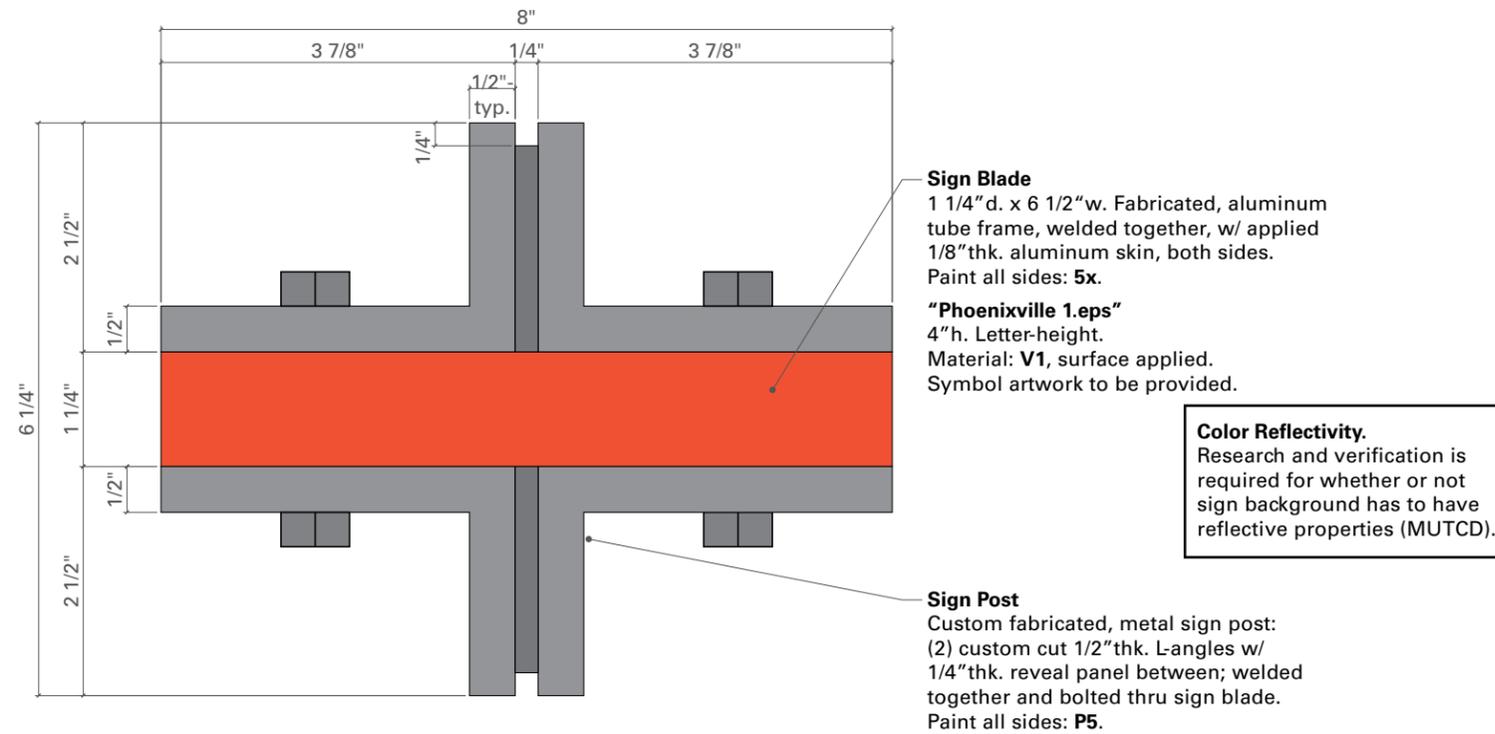
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| <i>Sign Type #</i> TRL.1b | <i>Sign Type Description</i> Trailblazer Pylon |
| <i>Drawing Description</i> Elevations and Details | |
| <i>Section</i> 2 Documentation Drawings | <i>Sheet No.</i> 2.10 |



C TRL.1b Trailblazer Directional- Side Elevation
6" = 1' 4" High Letter



D TRL.1b Trailblazer Directional- Install Elevation
1/4" = 1' 4" High Letter

Design Intent Documentation

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|--|------------------------------------|
| <i>Client Name and Address</i> Borough of Phoenixville 140 Church Street Phoenixville, PA 19460 | <i>Date</i> 6.13.12 |
| | <i>Drawn</i> DB |
| | <i>Project #</i> 510460 |
| <i>Project Name and Address</i> Borough of Phoenixville 140 Church Street Phoenixville, PA 19460 | <i>Revisions</i> 7.20.12 |

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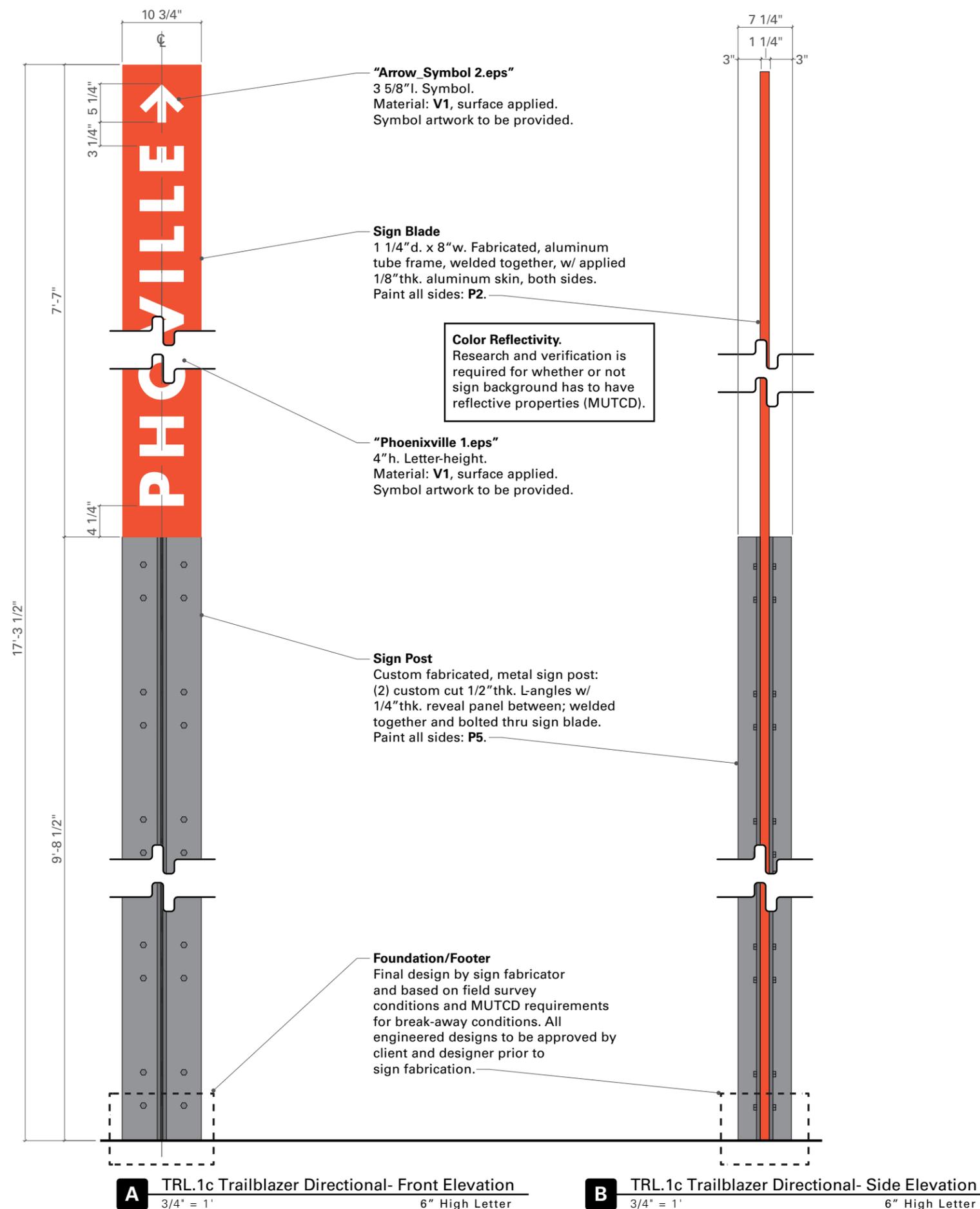
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| <i>Sign Type #</i> TRL.1B | <i>Sign Type Description</i> Trailblazer Pylon |
| <i>Drawing Description</i> Elevations and Details | |
| <i>Section</i> 2 Documentation Drawings | <i>Sheet No.</i> 2.11 |



Design Intent Documentation

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|---|-----------------------------------|
| <i>Client Name and Address</i> Borough of Phoenixville 140 Church Street Phoenixville, PA 19460 | <i>Date</i> 6.13.12 |
| | <i>Drawn</i> DB |
| | <i>Project #</i> 510460 |

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| <i>Project Name and Address</i> Borough of Phoenixville 140 Church Street Phoenixville, PA 19460 | <i>Revisions</i> 7.20.12 |
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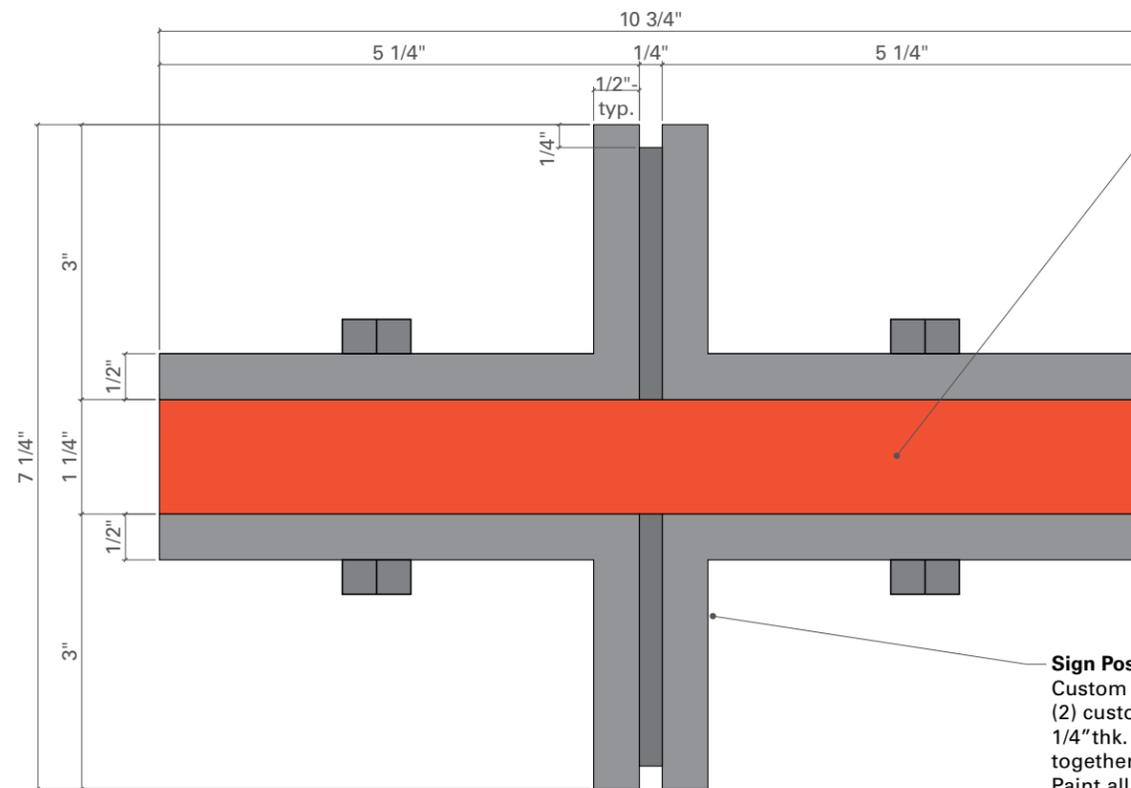
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| <i>Sign Type #</i> TRL.1c | <i>Sign Type Description</i> Trailblazer Pylon |
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Drawing Description

Elevations and Details

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| <i>Section</i> 2 Documentation Drawings | <i>Sheet No.</i> 2.12 |
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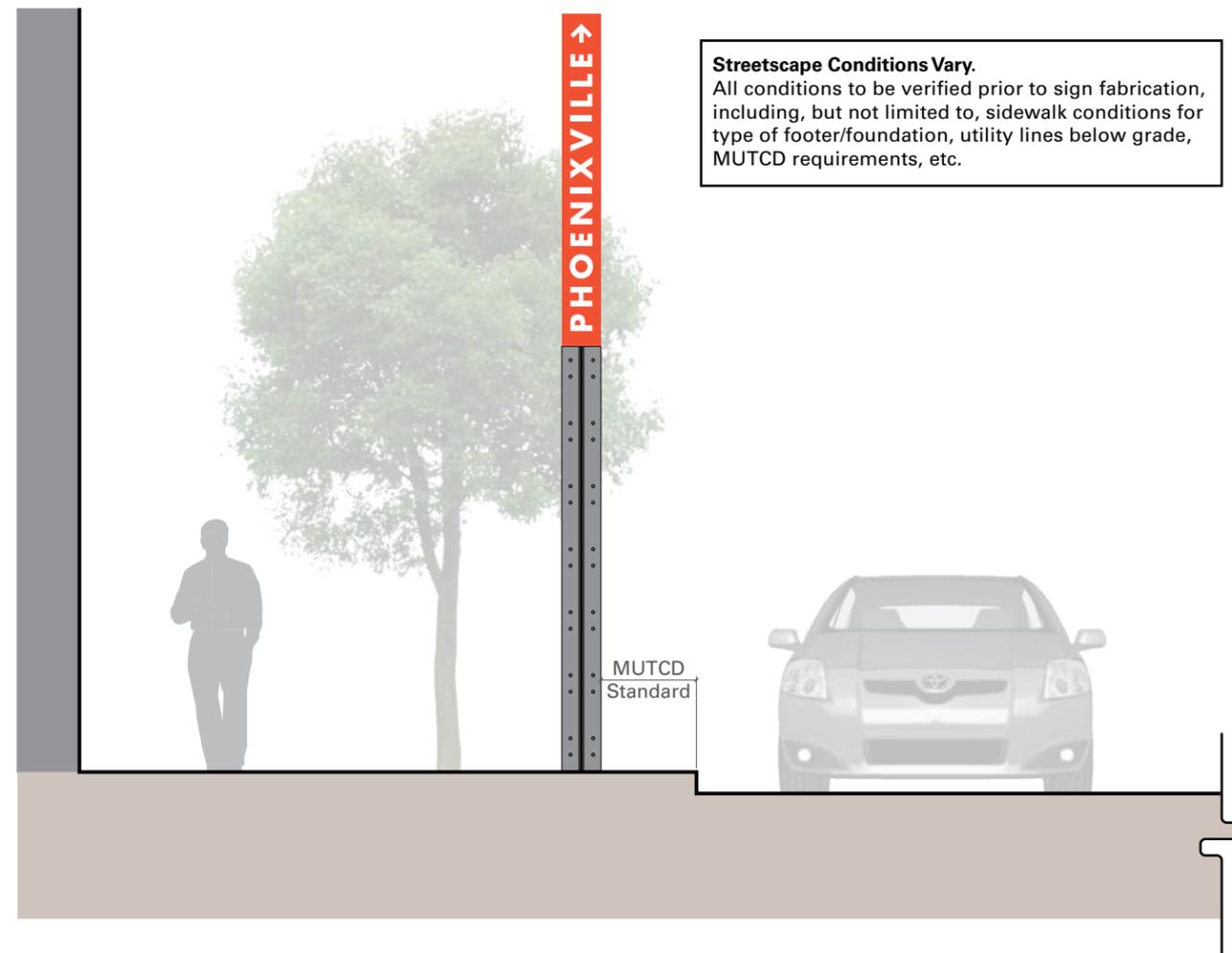


Sign Blade
1 1/4" d. x 6 1/2" w. Fabricated, aluminum tube frame, welded together, w/ applied 1/8" thk. aluminum skin, both sides. Paint all sides: **5x**.
"Phoenixville 1.eps"
4" h. Letter-height.
Material: **V1**, surface applied.
Symbol artwork to be provided.

Color Reflectivity.
Research and verification is required for whether or not sign background has to have reflective properties (MUTCD).

Sign Post
Custom fabricated, metal sign post: (2) custom cut 1/2" thk. L-angles w/ 1/4" thk. reveal panel between; welded together and bolted thru sign blade. Paint all sides: **P5**.

C TRL.1c Trailblazer Directional- Side Elevation
6" = 1' 6" High Letter



Streetscape Conditions Vary.
All conditions to be verified prior to sign fabrication, including, but not limited to, sidewalk conditions for type of footer/foundation, utility lines below grade, MUTCD requirements, etc.

D TRL.1c Trailblazer Directional- Install Elevation
1/4" = 1' 6" High Letter

| Design Intent Documentation | |
|---|--|
| <i>Client Name and Address</i> Borough of Phoenixville 140 Church Street Phoenixville, PA 19460 | <i>Date</i> 6.13.12 |
| | <i>Drawn</i> DB |
| | <i>Project #</i> 510460 |
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| <i>Sign Type #</i> TRL.1c | <i>Sign Type Description</i> Trailblazer Pylon |
| <i>Drawing Description</i> Elevations and Details | |
| <i>Section</i> 2 Documentation Drawings | <i>Sheet No.</i> 2.13 |

Design Intent Documentation

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| <i>Client Name and Address</i> Borough of Phoenixville 140 Church Street Phoenixville, PA 19460 | <i>Date</i> 6.13.12 |
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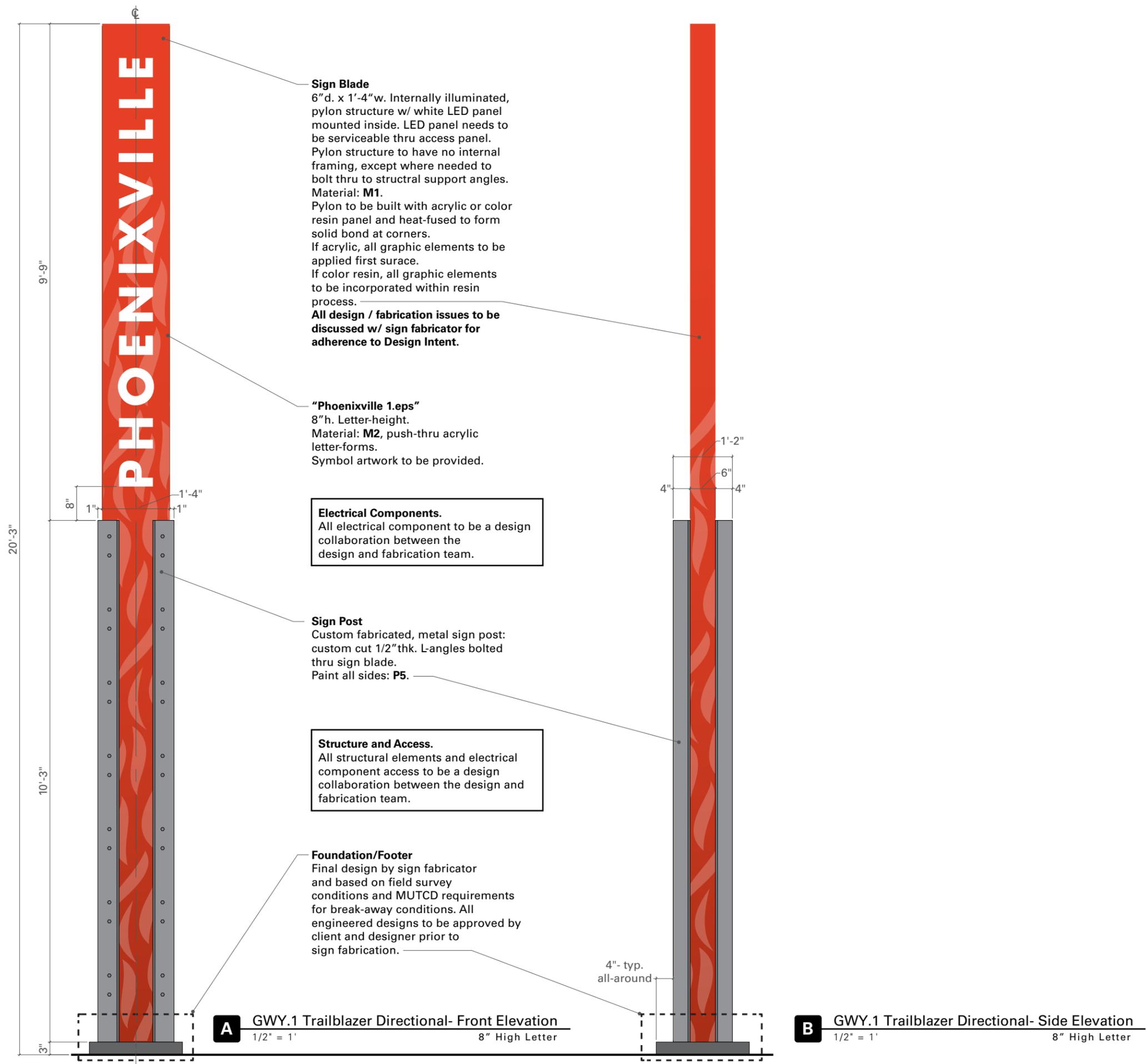
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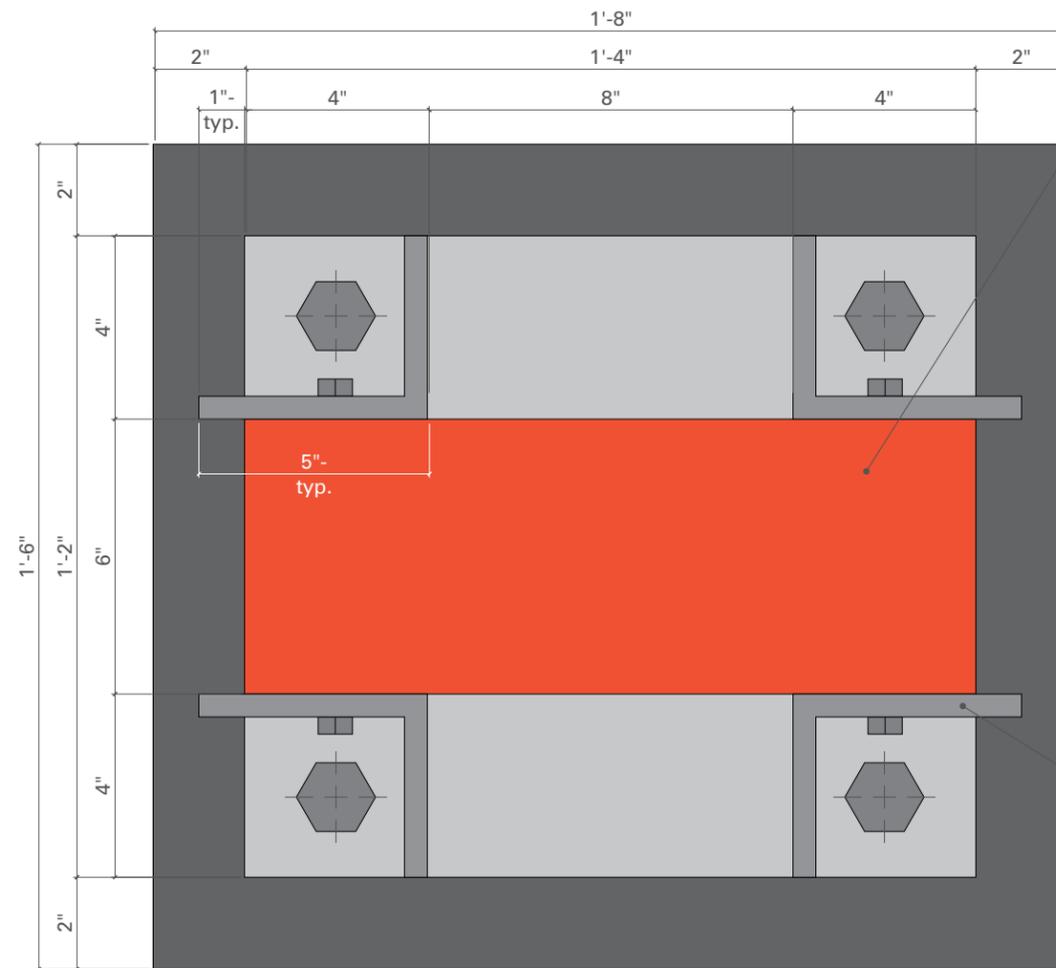
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| <i>Sign Type #</i> GWY.1 | <i>Sign Type Description</i> Gateway Pylon |
| <i>Drawing Description</i> Elevations and Details | |
| <i>Section</i> 2 Documentation Drawings | <i>Sheet No.</i> 2.14 |



A GWY.1 Trailblazer Directional- Front Elevation
1/2" = 1' 8" High Letter

B GWY.1 Trailblazer Directional- Side Elevation
1/2" = 1' 8" High Letter



Sign Blade
6" d. x 1'-4" w. Internally illuminated, pylon structure w/ white LED panel mounted inside. LED panel needs to be serviceable thru access panel. Pylon structure to have no internal framing, except where needed to bolt thru to structural support angles. Material: **M1**.
Pylon to be built with acrylic or color resin panel and heat-fused to form solid bond at corners.
If acrylic, all graphic elements to be applied first surface.
If color resin, all graphic elements to be incorporated within resin process.
All design / fabrication issues to be discussed w/ sign fabricator for adherence to Design Intent.

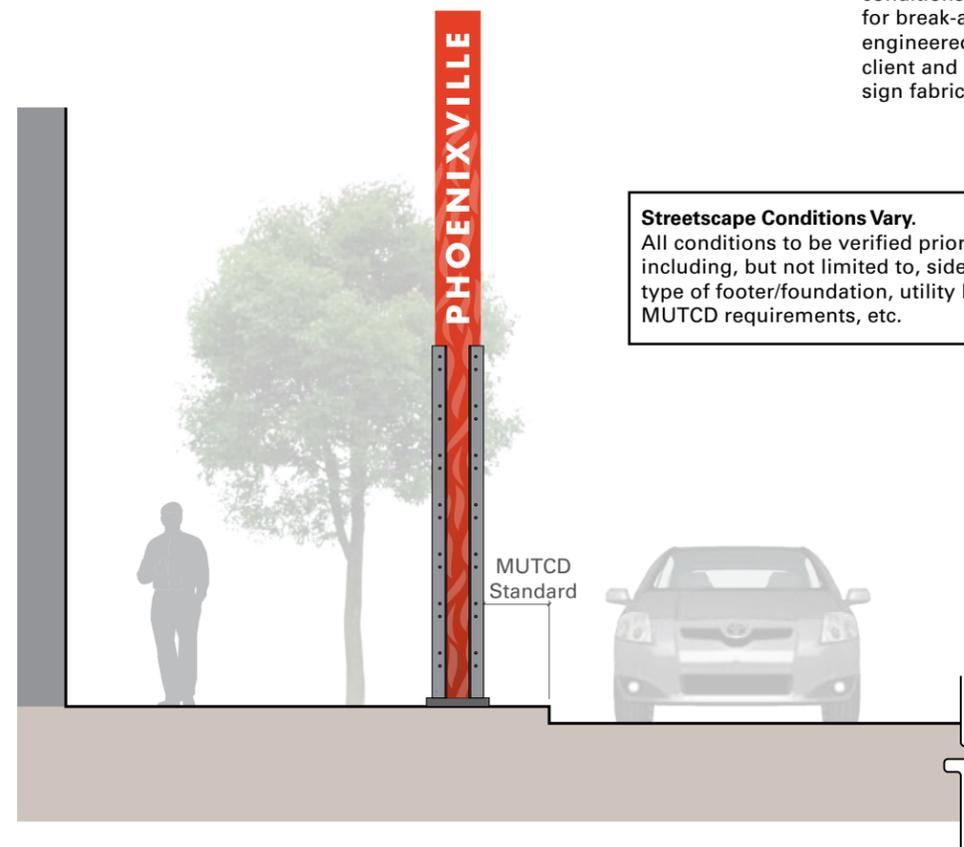
Electrical Components.
All electrical component to be a design collaboration between the design and fabrication team.

Structure and Access.
All structural elements and electrical component access to be a design collaboration between the design and fabrication team.

Sign Post
Custom fabricated, metal sign post: custom cut 1/2" thk. L-angles bolted thru sign blade.
Paint all sides: **P5**.

Foundation/Footer
Final design by sign fabricator and based on field survey conditions and MUTCD requirements for break-away conditions. All engineered designs to be approved by client and designer prior to sign fabrication.

Streetscape Conditions Vary.
All conditions to be verified prior to sign fabrication, including, but not limited to, sidewalk conditions for type of footer/foundation, utility lines below grade, MUTCD requirements, etc.



D GWY.1 Trailblazer Directional- Install Elevation
3/16" = 1' 8" High Letter

C GWY.1 Trailblazer Directional- Plan Elevation
3" = 1' 8" High Letter

Design Intent Documentation

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| <i>Sign Type #</i> GWY.1 | <i>Sign Type Description</i> Gateway Pylon |
| <i>Drawing Description</i> Elevations and Details | |
| <i>Section</i> 2 Documentation Drawings | <i>Sheet No.</i> 2.15 |

