



A FEDERAL, STATE AND LOCAL PARTNERSHIP

---

## VISUALLY SPEAKING

DESIGN GUIDELINES

APRIL 1995



DELAWARE & LEHIGH  
NATIONAL HERITAGE CORRIDOR

---

Design guidelines for the implementation of signage,  
display and print materials for the Delaware & Lehigh  
National Heritage Corridor.



Printed on 50% Recycled Paper  
10% Post-Consumer Waste



## ACKNOWLEDGEMENTS

### Graphics Environment Committee

Donald M. Bernhard, Chairman	Delaware and Lehigh Navigation Canal National Heritage Corridor Commission
Mark Alexander	Pennsylvania Department of Transportation
Frank C. Boas	Delaware and Lehigh Navigation Canal National Heritage Corridor Commission
Annie Bohlin	Delaware and Lehigh Navigation Canal National Heritage Corridor Commission
Linda L. Brinker	Historic Fallsington, Inc.
Austin D. Cyphers	Pennsylvania Department of Transportation
Clifford C. David, Jr.	Delaware and Lehigh Navigation Canal National Heritage Corridor Commission
Dennis J. DeMara	Carbon County Department of Parks and Recreation
Charles W. Derr	Delaware and Lehigh Navigation Canal National Heritage Corridor Commission
Deirdre Gibson	National Park Service
Mathilda Harrison	Pocono Mountains Vacation Bureau
J. Steven Humphrey	Delaware and Lehigh Navigation Canal National Heritage Corridor Commission
Mike Jones	Pennsylvania Bureau of State Parks
Kenneth F. Lewis	Pennsylvania Bureau of State Parks
Faith Ann Liuzzo	Pennsylvania Department of Transportation
Jim McHale	Pennsylvania Department of Transportation
Bettye Martin Musham	Delaware and Lehigh Navigation Canal National Heritage Corridor Commission
Elizabeth K. Orlemann	Delaware and Lehigh Navigation Canal National Heritage Corridor Commission
Vance Packard	Pennsylvania Anthracite Museum Complex
Rita Plotnicki	South Bethlehem Historical Society
Sue M. Pridemore	Delaware and Lehigh Navigation Canal National Heritage Corridor Commission
C. Allen Sachse	Pennsylvania Department of Community Affairs
Thomas Stoneback	Delaware and Lehigh Navigation Canal National Heritage Corridor Commission
Susan Taylor	Friends of the Delaware Canal
Dennis E. Tiley	Pennsylvania Department of Transportation
Carter Van Dyke	Carter Van Dyke Associates
Carole Wildoner-Walbert	Delaware and Lehigh Navigation Canal National Heritage Corridor Commission
Carol B. Wickkiser	Lehigh County Historical Society
David B. Witwer	Delaware and Lehigh Navigation Canal National Heritage Corridor Commission
Kurt D. Zwiki	Delaware and Lehigh Navigation Canal National Heritage Corridor Commission
	Cloud and Gehshan Associates, Inc., Philadelphia, PA Design Consultants

The preparation of The Design Guidelines, Visually Speaking, was made possible through grants received from: the National Endowment for the Arts; the Pennsylvania Heritage Parks Program, administered by the Pennsylvania Department of Community Affairs; the Friends of the Delaware Canal; and the Delaware and Lehigh Navigation Canal National Heritage Corridor Commission.



1.01 TABLE OF CONTENTS

INTRODUCTION	1.02		1
Goals and objectives of the Delaware and Lehigh National Heritage Corridor Commission			
IDENTITY	2.01		2
Linking the rich and diverse resources in the historic Delaware and Lehigh Corridor through a unified identity system			
TYPEFACES AND SYMBOLS	3.01		3
Typefaces and universal symbols			
LOGO - LOGO TYPE	LG.4.01	LG = Logo - Logotype Graphics	4
Options, variations in scale and color Correct and incorrect uses			
SIGNAGE	SG.5.01	SG = Signage Graphics	5
Directional, identification, trailhead, auto trail, trailblade, pedestrian historical markers and informational signs			
DISPLAY	DG.6.01	DG = Display Graphics	6
Waysides, orientation kiosks and pathfinder markers			
PRINT	PG.7.01	PG = Print Graphics	7
Site and activity theme brochures and stationery			
MAP	MG.8.01	MG = Map Graphics	8
Types, applications and nomenclature			
STANDARDS	9.01		9
Performance requirements			



Delaware and Lehigh  
National Heritage Corridor

Donald M. Bernhard  
Commission Chairman

On behalf of the Delaware and Lehigh Canal National Heritage Corridor Commission and the dedicated partners who worked on this project, I present this manual. In it you will find the visual elements that define the Delaware and Lehigh National Heritage Corridor and State Heritage Park. Directional signs lead visitors to Landings, interpretative signs provide people with pieces of the story, and orientation kiosks encourage visitors to stay a while. We hope you will take time to look through this manual, selecting elements you would like to use, and join with others within the Corridor to place an order. We are ready to begin inviting visitors to the sites currently open to the public and look forward to recognizing new sites in the future. Join me in linking the story line together as we lead visitors and residents through the Corridor.



## TOUCH THE RIVER

by Thomas Stoneback

For centuries, we have stood upon the banks of the Delaware and Lehigh Rivers answering the call to live within their reach and bounty. We cleared trees from the flat, fertile lands for farms, and we farmed and developed the hillsides, too. Homes, factories, stores, highways, schools and other structures are built on once open land. We also harnessed the energy of our rivers for our business and pleasure. Our communities converted much land along the Delaware and Lehigh Rivers into uses suiting our needs in many ways.

Yet in some ways we feel strangely unsatisfied and vaguely uneasy about the future. What will it be like to live here 50 or 100 years from now when our resources are less abundant, when our population is much greater and there is even less open space for people to enjoy, to get away from the pressures of city life?

The Delaware and Lehigh National Heritage Corridor and State Heritage Park is a reservoir of natural, cultural, historic, recreational and economic resources that comprise our heritage. Scenic rivers, historic canals and towns, mountains, green valleys, natural and man-made recreation areas, the footprints of early industries, even a distinctive social and religious heritage— are the essence of the Corridor physically. And, as we now recognize, our surroundings, built and natural alike, have an immediate and continuing effect on the way we feel and act, and on our health and intelligence. These places affect our sense of self, our sense of safety, the kind of work we get done, the ways in which we interact with other people— even our ability to function as citizens in a democracy. The places where we spend our time influence who we are and what we become.

Yet, if the Lehigh and Delaware Rivers could speak, they would tell us that “we, who have been brought here by the river, are our own greatest resource.” To be good stewards of the heritage represented in the D & L Corridor, each of us must focus our minds on what our future in and along the Corridor will be like, and what we can do now to improve that future.



---

What kind of place will the children of our children see when they walk through our communities decades from now? What will they think of our stewardship of the bounty of resources that were in our care during a time when the restoration of some natural grandeur was still possible?

The Delaware and Lehigh National Heritage Corridor and State Heritage Park will answer those questions for the next generations. The Corridor provides a “sense of place” as it connects 150 miles of Pennsylvania communities.

The measure of our success as a community will be determined by how we use our lands and the value we place on our surroundings – our ability to recognize, preserve and connect ecology, economics, energy and aesthetics, all of which we view in the light of our human needs, regional tastes and activities, and personal aspirations. We preserve ourselves by preserving the land. The Delaware and Lehigh Canal National Heritage Corridor was created to help balance our community’s needs with our personal needs and desires.

The Corridor theme is developed in a family of signs and brochures designed to help residents and guests, alike, identify and link the various entities within the Corridor. They encourage us to understand the role the rivers, landscape, people, and industry play in our lives. And, remind us that this river valley is unique.

The Corridor guidelines offer opportunities for you to walk its trails, visit its historic sites, play and relax in its special places. Look through the notebook and take time to think about the Corridor, its importance and potential as our legacy to future generations. Then join the move toward our future.

The message of the Delaware and Lehigh National Heritage Corridor and State Heritage Park itself is the message heard by those who came first: come here to:

Touch the river.



## 2.01 IDENTITY

The Delaware and Lehigh National Heritage Corridor is rich, complex and diverse with many cultural, industrial and institutional sites and attractions. The purpose of this program is to make these resources accessible and clear to the public. To achieve this goal a wide array of signage, display and print materials have been developed. The implementation of this program, its ongoing management and financing are not a part of these guidelines. For information concerning these areas contact the Corridor Commission at (610) 861-9345 or write 10 East Church Street, P-208, Bethlehem, PA 18018.

These design guidelines describe and specify the elements that have been developed for the system. As listed in the table of contents there are many products and tools at your disposal. Each has a prescribed use and function. It is important to the success of this program that all specifications be adhered to. There are to be no changes or modifications to these guidelines without the express written permission of the Corridor Commission.





3.01 TYPEFACES + SYMBOLS

---

TYPEFACES

Typefaces approved for use in all aspects of this program

3.02

---

SYMBOLS

International symbols approved by the Society for Environmental Graphic Design for use in all signage

3.09



### 3.02 TYPEFACES

**ABCDEFGHIJKLMNOPQRSTUVWXYZ**

**abcdefghijklmnopqrstuvwxyz**

**1234567890**

Serifa bold

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

1234567890

Serifa light

**Note**

no substitute typefaces will be accepted.

**Typeface**

typeface is Adobe Serifa bold and light,  
normal kerning  
refer to specific applications for type  
sizes and leading requirements.  
typeface available from Adobe Systems Inc.  
(800)445-8787



### 3.03 TYPEFACES

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

1234567890

Serifa roman

*ABCDEFGHIJKLMNOPQRSTUVWXYZ*

*abcdefghijklmnopqrstuvwxyz*

*1234567890*

Serifa italic

**Note**

-no substitute typefaces will be accepted.

**Typeface**

-typeface is Adobe Serifa roman and italic  
-normal kerning  
-refer to specific applications for type  
sizes and leading requirements.  
-typeface available from Adobe Systems Inc.  
(800)445-8787



ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

1234567890

Meta bold

ABCDEFGHIJKLMNOPQRSTUVWXYZ

1234567890

Meta caps

**Note**

no substitute typefaces will be accepted.

**Typeface**

typeface is FontShop Meta bold and  
Meta caps.

typeface is available from FontShop USA,  
(800) 387-3872

refer to specific applications for type  
sizes and leading requirements.



ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

1234567890

Meta normal

**Note**

no substitute typefaces will be accepted.

**Typeface**

typeface is FontShop Meta normal.  
typeface is available from FontShop USA,  
(800) 387-3872



Serifa Bold – Use for Historical Markers, Trailblades, and Entrance Identifications

**Moon Williamson**

Tau Open  
Unacceptable Letter-spacing

**Moon Williamson**

Acceptable Letter-spacing

**Moon Williamson**

Tau Tight  
Unacceptable Letter-spacing

Meta Bold – Use for Directional Vehicular and Trailblazer

**Lehigh County**

Tau Open  
Unacceptable Letter-spacing

**Lehigh County**

Acceptable Letter-spacing

**Lehigh County**

Tau Tight  
Unacceptable Letter-spacing



Senza Bold - Use for Wayside Panels

# Mules and Men

Too Open  
Unacceptable Letterspacing

# Mules and Men

Acceptable Letterspacing

# Mules and Men

Too Tight  
Unacceptable Letterspacing

Meta Normal - Use for Wayside Panels

# 1831-1932

Too Open  
Unacceptable Letterspacing

# 1831-1932

Acceptable Letterspacing

# 1831-1932

Too Tight  
Unacceptable Letterspacing



Meta Caps - Use for Wayside Panels

M U L E P O W E R

Too Open  
Unacceptable Letterspacing

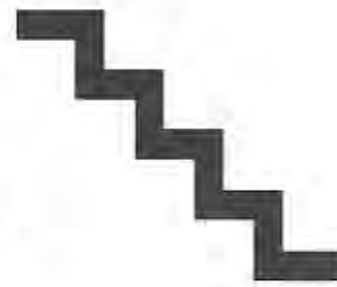
M U L E P O W E R

Acceptable Letterspacing

M U L E P O W E R

Too Tight  
Unacceptable Letterspacing





**Notes**

-no substitute arrows or symbols will be accepted.

**Arrows**

-Commission will provide successful bidder with arrow artwork on Macintosh computer disk.

**Symbols**

-acceptable system of symbols is available on Macintosh computer disk from:

The American Institute of Graphic Arts  
1059 Third Avenue  
New York, NY 10021  
(212) 752-0813

Society for Environmental Graphic Design  
One Story Street  
Cambridge, MA 02138  
(617) 868-3381



LG.4.01 LOGO - LOGOTYPE

---

LOGO - LOGOTYPE  
Options, variations in scale and color  
Correct and incorrect uses

4.02



The symbol is the nucleus of this identity program. It captures the essence of the Corridor's rich history and at the same time serves as a beacon for future opportunity and growth in the region. It combines elements that represent landscape and industry. The mountains, river and canal, juxtaposed against the horizon-like fires of industry and the mechanical gear refer to the earliest beginnings of the Delaware and Lehigh Valleys. The serifa typeface which surrounds the symbol, is derived from a mid-19th century typeface known as Egyptian. It evolved at a time when printers' types began to depart from handwritten qualities for sturdier, block like machined ones. While the landscape elements used in the symbol have historical significance they are also essential to the present and future character of the Corridor. The design is essentially modern and it is the combination of historical elements and a contemporary expression that give the symbol spirit, relevance and longevity.

As the official imprimatur for the Delaware and Lehigh National Heritage Corridor it must be implemented with care and respect. In order to insure its success it is essential that the standards on the following pages be adhered to.

The symbols shown on the following pages have been prepared in both Macintosh and DOS based computer formats.



The logo of the Delaware and Lehigh National Heritage Corridor and State Heritage Park shall be used to identify the Corridor and its component facilities and promote the Corridor as a unified whole made up of the sum of its parts (facilities). For the purposes of this statement, facilities are those sites, buildings and interpretive structures open to the public, whether a fee is charged or not. This includes, but is not limited to, museums, historic sites, environmental education centers, visitor centers, rest areas, parklands, trails, motels, restaurants and service stations.

#### Conditions

1. The logo is registered for the sole use of the Corridor Commission. Permission to use it, or licensing of its use, can only be authorized by the Corridor Commission.
2. The logo is displayed on any project funded in whole or in part by the Corridor Commission.
3. The logo cannot be used without the expressed permission of the person or agency having jurisdiction over the facility.
4. Use of the logo for commercial purposes, such as T-shirts, souvenirs, etc., can only be approved by the Corridor Commission. Permission for commercial use shall be based upon the Corridor Commission's approval of compatible use supporting the Corridor's mission. Financial considerations must be negotiated prior to application and/or use.
5. Permission to use the logo may be rescinded if not being applied under conditions stipulated in granting permission for its use.
6. Brochures, pamphlets and educational materials produced cooperatively by the Corridor Commission with other groups will display the logo. The materials prepared by others must be reviewed for content and presentation before permission to use the logo is given.
7. Permission or licensing for logo use does not imply Corridor Commission endorsement of an event, mission or product.



---

#### Procedures

1. Each use request must be made in writing.
2. Instructions on the use and application of the logo for all projects funded by the Corridor Commission (or matching grant recipients) are written by the Executive Director and available at the same time grant award notification is made.
3. Commercial use will be reviewed by the Corridor Commission's Executive Committee, followed by a written recommendation, approval or refusal.
4. Non-commercial uses are reviewed and approved by the Executive Director. Denial of use may be appealed to the Corridor Commissioners, in writing, with full disclosure about proposed logo usage.



**DELAWARE & LEHIGH**  
NATIONAL HERITAGE CORRIDOR

**LG.4.05**

**LOGO - LOGOTYPE**



This symbol has been drawn for use in large scale signage applications only. This application should not be used in sizes that exceed the parameters outlined here otherwise the symbol will not reproduce properly. In using the signage application the smallest diameter is 5" and the largest diameter is 36".

For Historical Markers and Trailblades in which the symbol is smaller than 5" diameter use the print application LG.4.06.

5" minimum

36" maximum

Size

7.95

Use

Signage applications

Color

Actual size



**DELAWARE & LEHIGH**  
NATIONAL HERITAGE CORRIDOR

**LG.4.06**

**LOGO - LOGOTYPE**



**3/4"**  
minimum

**5"**  
maximum

This symbol has been drawn for use in print applications only. This application should not be used in sizes that exceed the parameters outlined here otherwise the symbol will not reproduce properly. In using the print application the smallest desirable diameter is 3/4" and the largest desirable diameter is 5'.

In the event a print application requires a diameter larger than 5", use the large scale signage application LG.4.05.

When this symbol is properly reproduced at the standard 2400 dpi used for all print applications the resolution of the symbol will be correct and sharp.

When used on printed materials, this symbol will always be accompanied by the statement "A Federal, State and Local Partnership". Refer to the section on printed materials for further details.

Color: **7.95**

Print applications

Actual size



LG.4.07 LOGO · LOGOTYPE



1"  
minimum

2"  
maximum

This symbol has been drawn for use in computer laser applications only with a minimum output of 300 dpi. This application should not be used in sizes that exceed the parameters outlined here otherwise the symbol will not reproduce properly. In using the laser application the smallest desirable diameter is 1" and the largest desirable diameter is 2".

In the event a laser application requires a diameter larger than 2", use the print application LG.4.06.

Code	7.95
Title	Laser applications
Drawn	Actual size





SCHEDULE OF SIGN TYPES

Type	Description	Drawing Number
<b>Directional Vehicular</b>	Single or double sided aluminum panels for directing visitors from interstate roads, highways and secondary roads to landings, museums and other areas of interest along the Corridor.	<b>SG.5.03</b>
<b>Pedestrian Historical Marker</b>	Single sided aluminum panels that carry "on this spot" historic vignettes and images.	<b>SG.5.06</b>
<b>Identification</b>	Single or double sided freestanding identification signs used to announce the name of the site or institution and provide information to the general public about schedule and admission.	<b>SG.5.09</b>
	One sided discs used to retrofit existing entrance signs to identify participating institutions as members of the heritage family.	<b>SG.5.14</b>
<b>Auto Trail</b>	Single sided discs used to define a designated auto tour.	<b>SG.5.16</b>
	Single or double sided panels used to identify a site or stop along an auto tour.	
<b>Pedestrian Trail Entrance</b>	Single sided aluminum blades used to provide pedestrian directional information, brief site specific descriptions, and trail quality guidelines.	<b>SG.5.21</b>
<b>Changeable Messages</b>	Interior information signs that can be permanent or temporary. They may carry special events, program information, or announcements and be used to identify a building, space or function.	<b>SG.5.24</b>



Pedestrian  
Historical  
Marker  
SG.5.06

Auto Trail  
SG.5.17

Auto Trail  
Stop  
SG.5.20

Directional  
Vehicular  
SG.5.03

Pedestrian  
Trail  
Entrance  
SG.5.21

Main Entrance  
Identification  
SG.5.09

Title	7.95
Code	Signage - Overview
Scale	3/8" = 1'



Single Message Unit



Double Message Unit



Triple Message Unit



**Directional Vehicular**

Directional signs lead visitors to sites open during expected hours throughout the year. Typically this is a minimum of seven days during peak visitation periods and weekends during the off season.

Message hierarchy as identified on the following pages refers to the order in which a message and its arrow should be applied to the sign.

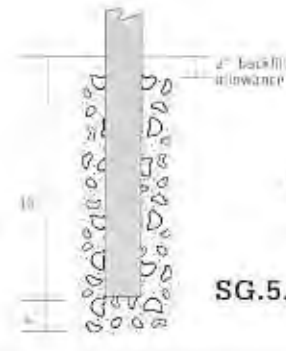
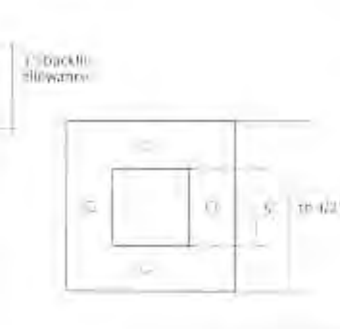
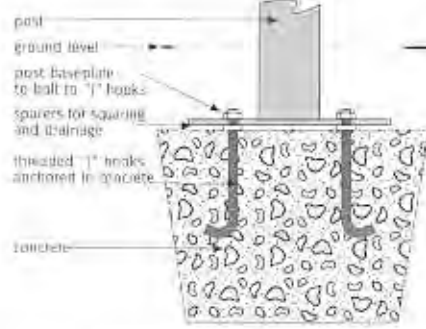
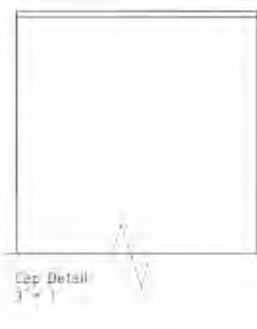
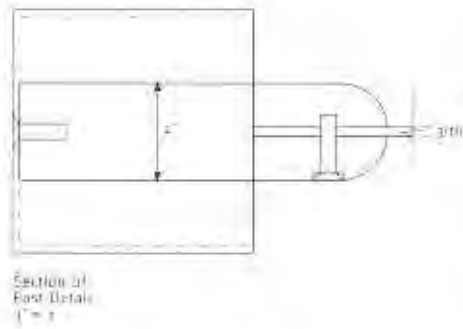
Specifications have been repeated on pages SG.5.04 and SG.5.05 so that individual pages can be excerpted from the manual for convenient use.

Panel	7.95
Color	Directional Sign - Vehicular
Sign	3/4" = 1'



SG.5.04

SIGNAGE



**Material & Fabrication**

- signs can be single sided only
- panels to be made of 3/16" aluminum
- posts to be made from 5"x 5" aluminum extrusion with a wall thickness of 1/8"
- caps of posts: 1/8" aluminum, welded, ground smooth and finished to match post
- all corners and edges ground smooth before painting
- finish to be weather, vandal and as graffiti resistant as possible with minimum life of eight years without discoloration
- panels, posts, and caps painted with Matthews acrylic polyurethane satin finish, face and all edges

**Message Hierarchy**

- first: straight (↑); second: left (←);
- third: right (→); fourth: bear left (↖);
- fifth: bear right (↗)

**Color**

- post, cap and top horizontal edge of sign: P2-Matthews LS-63694 satin
- sign panel including circular shape and rod attachment: P1-Matthews LS-52894 satin (all areas shown in black)
- type symbol and arrows: die cut Scotchlite reflective white vinyl

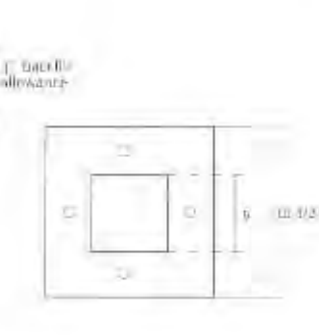
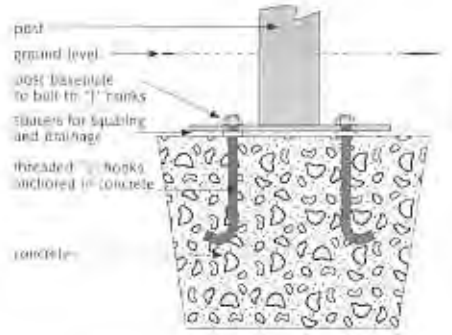
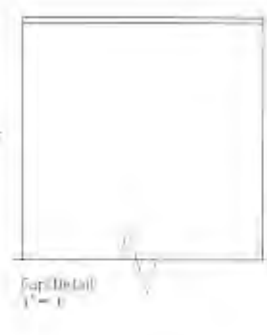
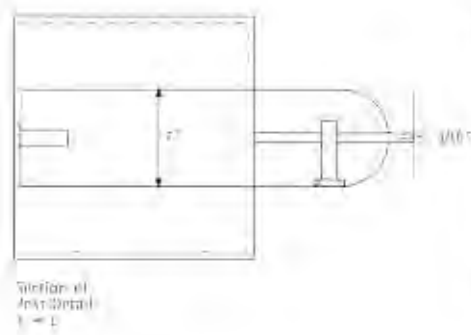
**Installation**

- post is welded to sleeve plate which bolts to threaded 1" hooks anchored in concrete
- bolts to be tamper proof
- option: 14' pole for direct burial in ground or wet concrete (3' in, 11' above)
- for direct burial in ground or wet concrete where a lower sign height is desirable use 11' post and install to desired height
- location to be verified by fabricator and client representative and approved by Pennsylvania Department of Transportation

7.95

Directional - Vehicular

1" = 1"



**DELAWARE & LEHIGH**  
NATIONAL HERITAGE CORRIDOR

SG.5.05

**SIGNAGE**



type specification:  
Meta Bold  
with page 1.10

**Material & Fabrication**

- signs can be single sided only
- panels to be made of 3/16" aluminum
- posts to be made from 5" x 5" aluminum extrusion with a wall thickness of 1/8"
- caps of posts: 1/8" aluminum, welded, ground smooth and finished to match post
- all corners and edges ground smooth before painting
- finish to be weather, vandal and as graffiti resistant as possible with minimum life of eight years without discoloration
- panels, posts, and caps painted with Matthews acrylic polyurethane satin finish, face and all edges

**Message Hierarchy**

- first: straight (↑); second: left (←); third: right (→); fourth: bear left (↖); fifth: bear right (↗)

**Color**

- post, cap and top horizontal edge of sign: P2-Matthews LS-63694 satin
- sign panel including circular shape and rod attachment: P1-Matthews LS-52894 satin (all areas shown in black)
- type symbol and arrows: die cut Scotchlite reflective white vinyl

**Installation**

- post is welded to sleeve plate which bolts to threaded 1" hooks anchored in concrete
- bolts to be tamper proof
- option: 14' pole for direct burial in ground or wet concrete (3' in, 11' above)
- for direct burial in ground or wet concrete where a lower sign height is desirable use 11' post and install to desired height
- locations to be verified by fabricator and client representative and approved by Pennsylvania Department of Transportation

Code	7.95
Category	Directional - Vehicular
Scale	1" = 1'



**Historical Marker**

Pedestrian Historical Markers for interpretive wayside exhibits. They are to be used in Urban areas where Standard Wayside Exhibits (DG-5.02-.20) are not practical. They typically describe what happened "on this spot" years ago. Local artists can line draw what the site looked like at the time the described incident took place.

**Note**

- marker height shown is from top of sign to base plate shown on SG.5.08 and should be used when locating signs in the pedestrian right of way.
- where site conditions allow installation of sign without need for base plate, another option is a 14' pole for direct burial in ground or wet concrete (3' in, 11' above)
- for markers where a lower height is desirable i.e. on property set back or behind a fence or garden wall etc., a 9' pole for direct burial in ground or wet concrete (3' in, 6' above) can be used
- these pole dimensions can be modified to suit conditions. When selecting a pole height (other than specified here) the rule of thumb is approximately 1/3 of the total pole height should be buried in ground or wet concrete leaving the remaining 2/3 above ground, markers must meet applicable local safety codes.

DATE	7.95
TYPE	Pedestrian Historical Marker
SCALE	3/4" = 1'



  
*Historic Fallsington*

**Moon Williamson  
Log House**



Quaker Samuel Moon resided here in the late 1700s and early 1800s. As a well known carpenter, he was particularly skilled in making Windsor chairs. This celebrated and prized antique originally served a functional role in public buildings and taverns. The chair requires no screws or nails, with the distinctive stick legs and spindle backs driven into the plank seating. The Windsor chairs of Samuel Moon continue to live on in the museum and private collections of southeastern Pennsylvania.



  
HISTORICAL  
SOCIETY

**Breinig & Bachman  
Building**



The B & B, or Breinig & Bachman Building was a men's clothing store that occupied the ground floor for many years. No one can say for sure why the gargoyle animal heads were added. Perhaps it was to please one of the building's original long-time tenants, the wholesale grain and animal feed dealer George W. Eckert. Built in 1894, this yellow bricked structure replaced a building of a similar name built three years before. The first B & B building was destroyed, along with the rest of the southeast side of the street, in a fire on the night of October 13, 1893.



  
HISTORICAL  
SOCIETY

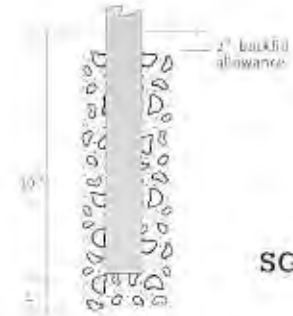
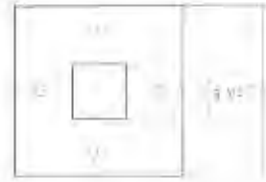
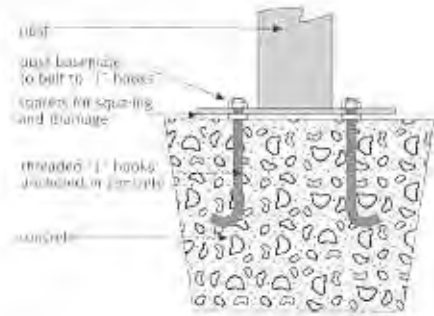
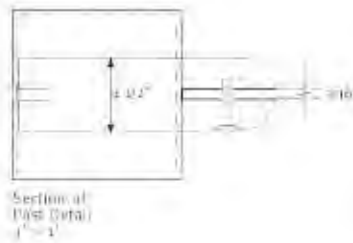
**Old Court House  
County Museum**



In the Old Lehigh County Court House is The Lehigh County Historical Society, its library and museum. Local history exhibits in the museum's first floor provide a background for the history of Lehigh County from prehistoric times up to the present. The Scott Trexler II Library is a vast source of historical and genealogical information. In the rear is the Geology Garden, which explains the mineral history of the Lehigh Valley.



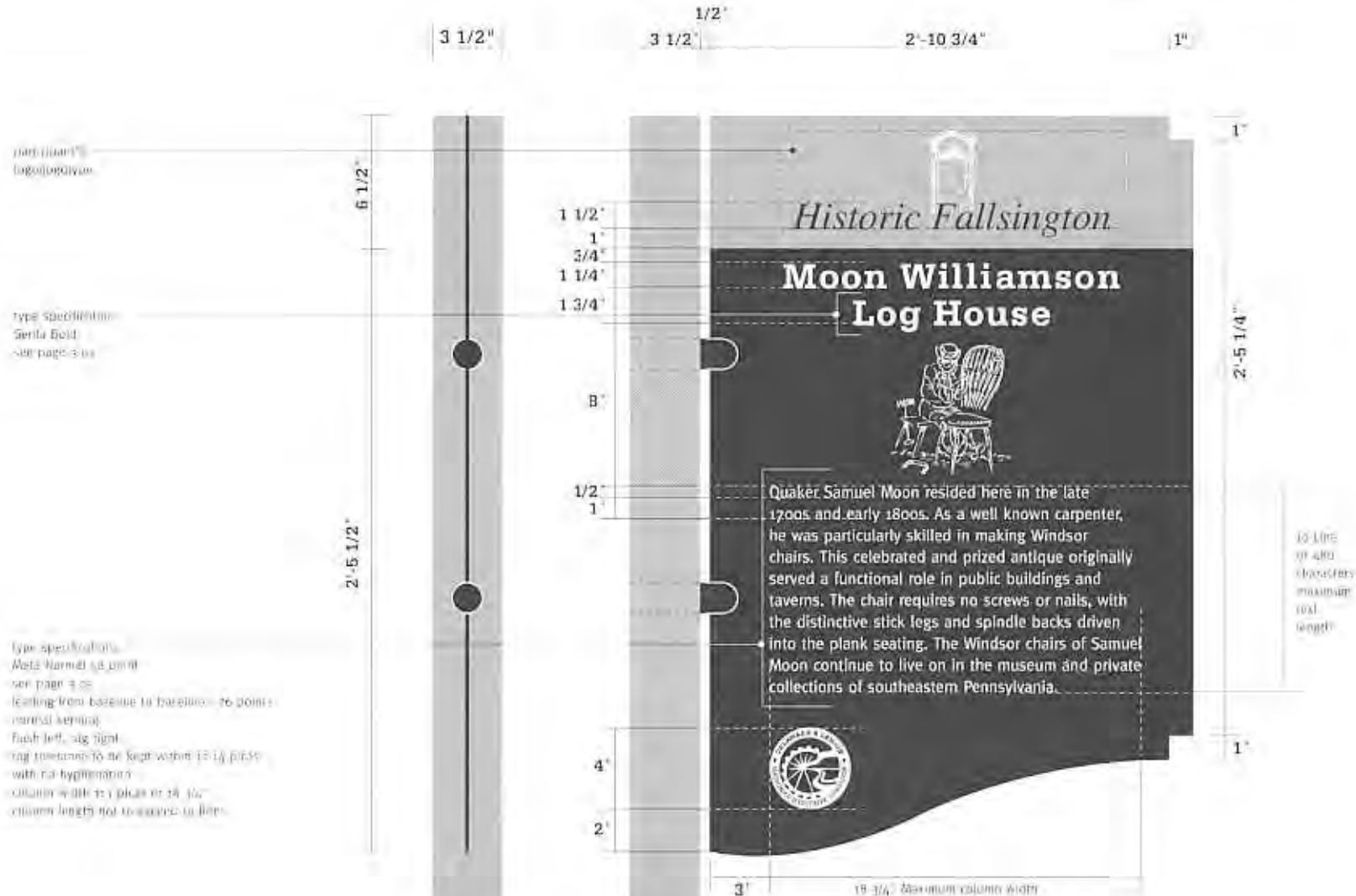
Sheet No.	7.95
Title	Pedestrian Historical Marker Ex. 1, 2 & 3
Scale	1 1/2"=1'



DELAWARE & LEHIGH  
NATIONAL HERITAGE CORRIDOR

SG.5.08A

SIGNAGE



font: (insert)  
logo: (insert)

type specifications:  
Serifa Bold  
-see page 3.03

type specifications:  
Meta Normal 1/8 point  
-see page 3.03  
-leading from baseline to baseline to point + normal kerning  
Flush left, rag right  
rag: maximum to the right within 10% of 100%  
with no hyphenation  
column width: 15 pixels or 1/4" (100% column length) not to exceed 10 lines

**Material & Fabrication**

- all signs are one sided
- panels to be made of 3/16" aluminum
- posts to be made from 3 1/2" x 3 1/2" aluminum extrusion with a wall thickness of 1/8"
- caps of posts: 1/8" aluminum, welded, ground smooth and finished to match post
- all corners and edges ground smooth before painting
- finish to be weather, vandal and as graffiti resistant as possible with minimum life of eight years without discoloration
- panels, posts, and caps painted with Matthews acrylic polyurethane satin finish, face and all edges

**Color**

- post, cap and top horizontal edge of sign: P2-Matthews (S-63694) satin
- sign panel, rod attachment, symbol and type on top edge: P1-Matthews (S-52894) satin (all area shown in black)
- type symbol and arrows: die cut Scotchlite reflective white vinyl

**Installation**

- post is welded to sleeve-plate which bolts to threaded "1/2" hooks anchored in concrete
- bolts to be tamper proof
- option: 3/4" pole for direct burial in ground or wet concrete (1 1/2" in, 11" above)
- for direct burial in ground or wet concrete where a lower sign height is desirable use 1 1/2" post and install to desired height
- location to be verified by fabricator and client representative

7.95

Pedestrian Historical Marker - Detail

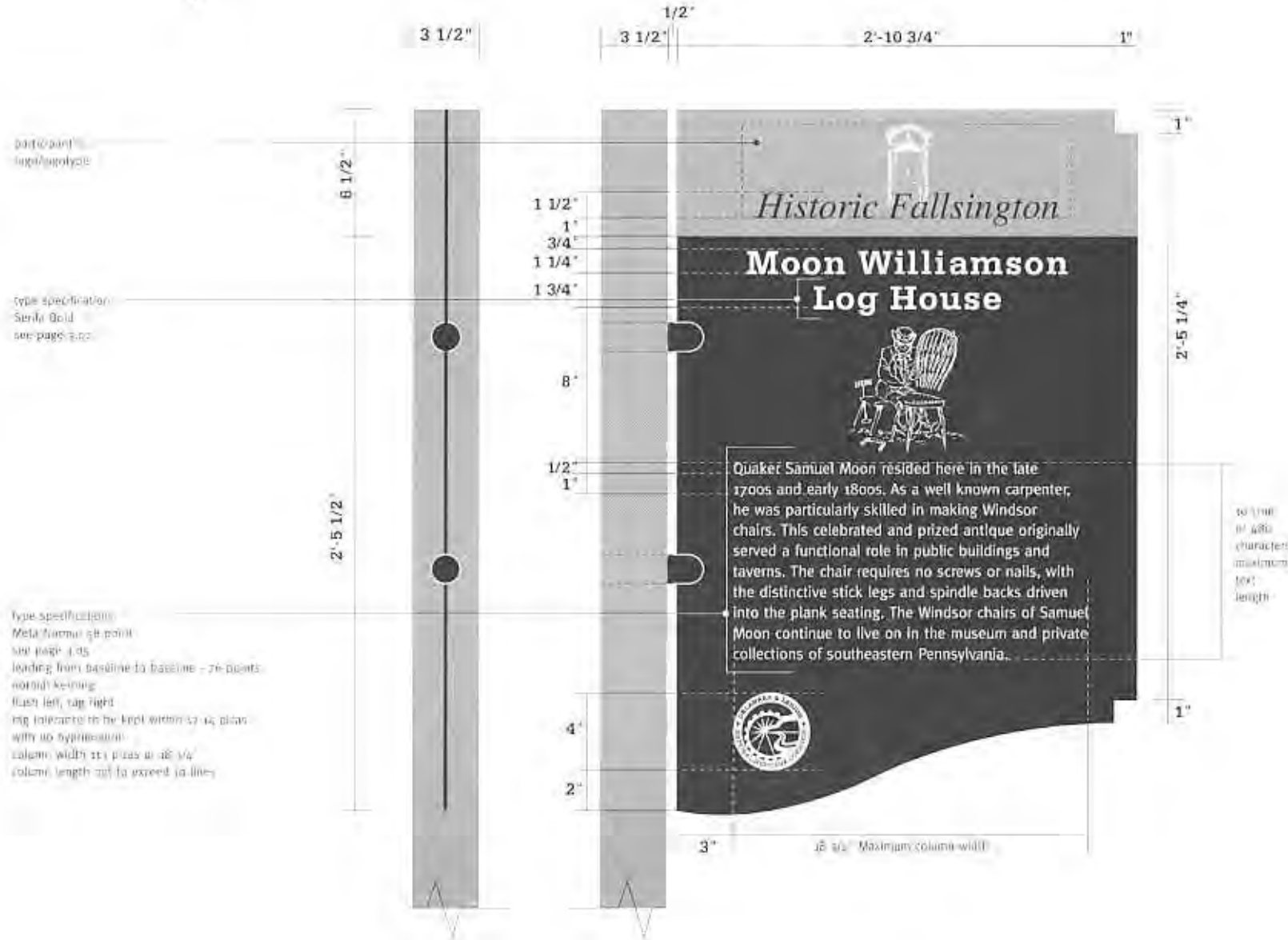
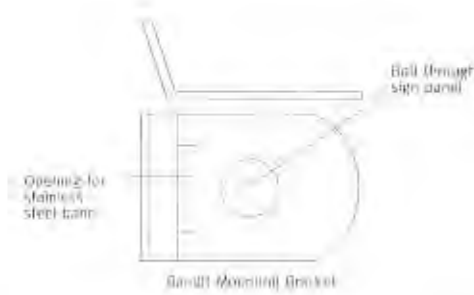
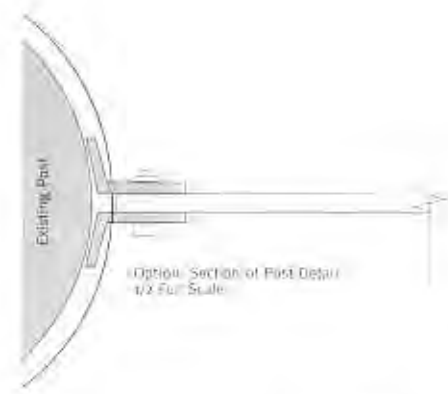
1 1/2"=1'





SG.5.08B

SIGNAGE



**Material & Fabrication**

- all signs are one sided
- panels to be made of 3/16" aluminum
- posts to be made from 3 1/2" x 3 1/2" aluminum extrusion with a wall thickness of 1/8"
- caps of posts: 1/8" aluminum, welded, ground smooth and finished to match post
- all corners and edges ground smooth before painting
- finish to be weather, vandal and as graffiti resistant as possible with minimum life of eight years without discoloration
- panels, posts, and caps painted with Matthews acrylic polyurethane satin finish, face and all edges

**Color**

- post, cap and top horizontal edge of sign: P2-Matthews LS-63694 satin
- sign panel, rod attachment, symbol and type on top edge: P1-Matthews LS-52894 satin (all area shown in black)
- type symbol and arrows: die cut Scotchlite reflective white vinyl

**Installation**

- when installing on an existing post, bolt through Bandit mounting bracket and band to post.
- location to be verified by fabricator and client representative

Cost	7.95
File	Pedestrian Historical Marker - Detail
Scale	1 1/2"=1'

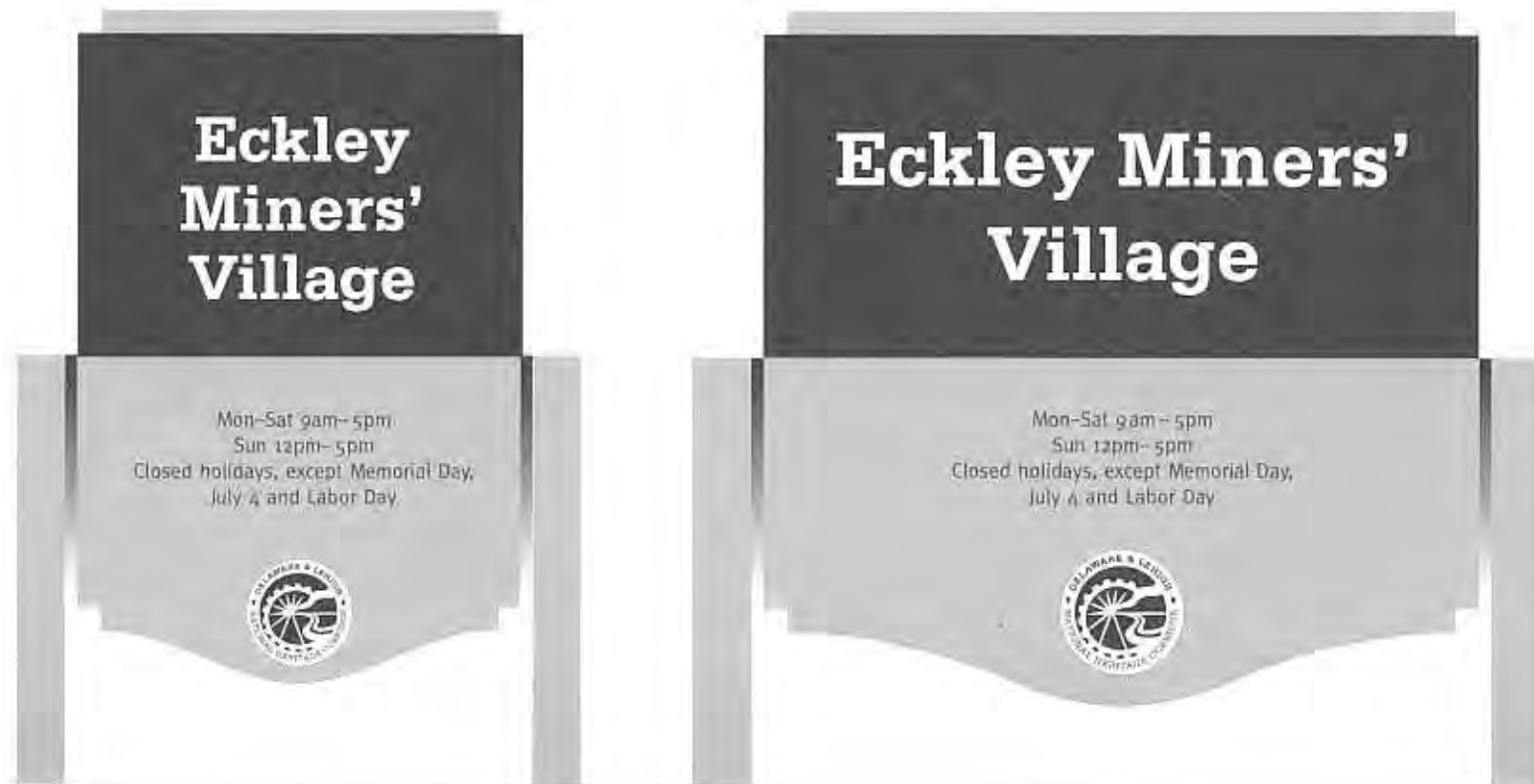


SG.5.09 SIGNAGE

**Main Entrance Sign**

Places wishing to indicate they are an important part of the story will want to identify with the Corridor by using these entrance signs. These signs announce to the visitor that they have arrived.

5'-5"

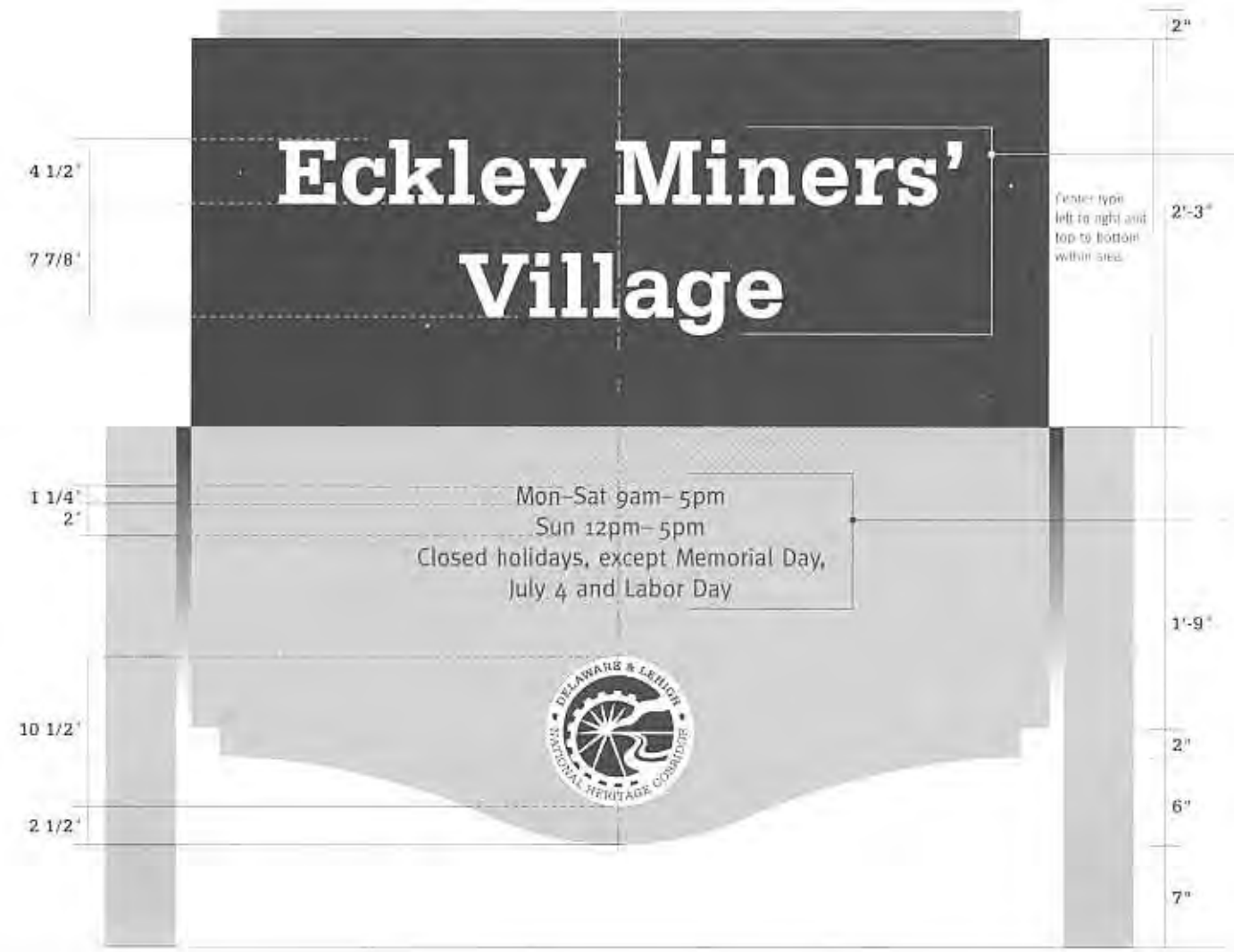
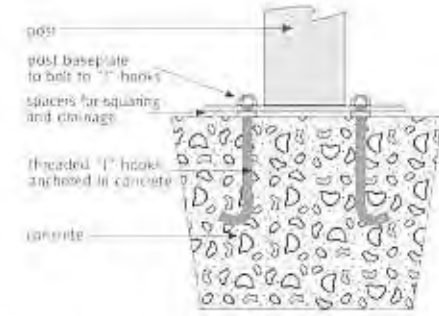
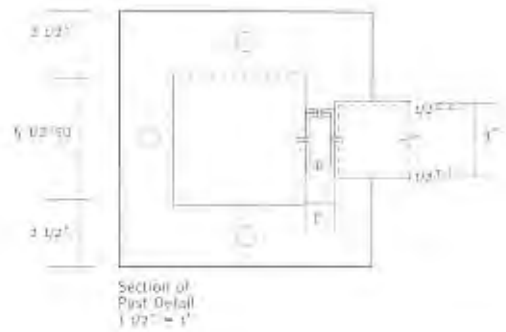


Item	7.95
Title	Identification - Main Entrance
Scale	3/4" = 1'



SG.5.10

SIGNAGE



Material & Fabrication

- signs can be single or double sided
- panels to be made of .090 (alloy 3003) aluminum sheet panels or heavier to ensure flatness and rigidity without oil canning
- panels are to be attached to an aluminum square tube frame, structurally reinforced as necessary to ensure stability and strength
- posts to be made from 5 1/2" x 5 1/2" aluminum extrusion with a wall thickness of 3/8"
- caps of posts: 1/8" aluminum, welded, ground smooth and finished to match post
- channels to be 1" x 2", finish to match post
- all corners and edges ground smooth before painting
- no visible fasteners throughout, sign box to have clean seamless appearance
- finish to be weather, vandal and as graffiti resistant as possible with minimum life of eight years without discoloration
- panels, posts, and caps painted with Matthews acrylic polyurethane satin finish, face and all edges

Color

- post, cap, channel connection, bottom half of sign and both sides as well as top horizontal edge: P2-Matthews LS-63694 satin
- top half of sign box, symbol, type on bottom half and both sides: P1-Matthews LS-52894 satin (all areas shown in black)
- type, symbol and arrows (if used): die cut Scotchlite reflective white vinyl

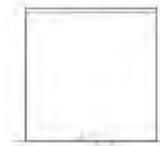
Installation

- post is welded to sleeve plate which bolts to threaded "J" hooks anchored in concrete
- bolts to be tamper proof
- location to be selected by client representative

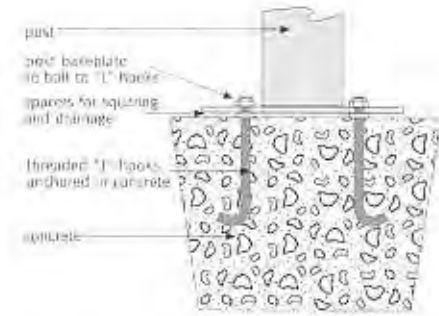
price	7.95
date	Identification - Main Entrance
scale	1" = 1'



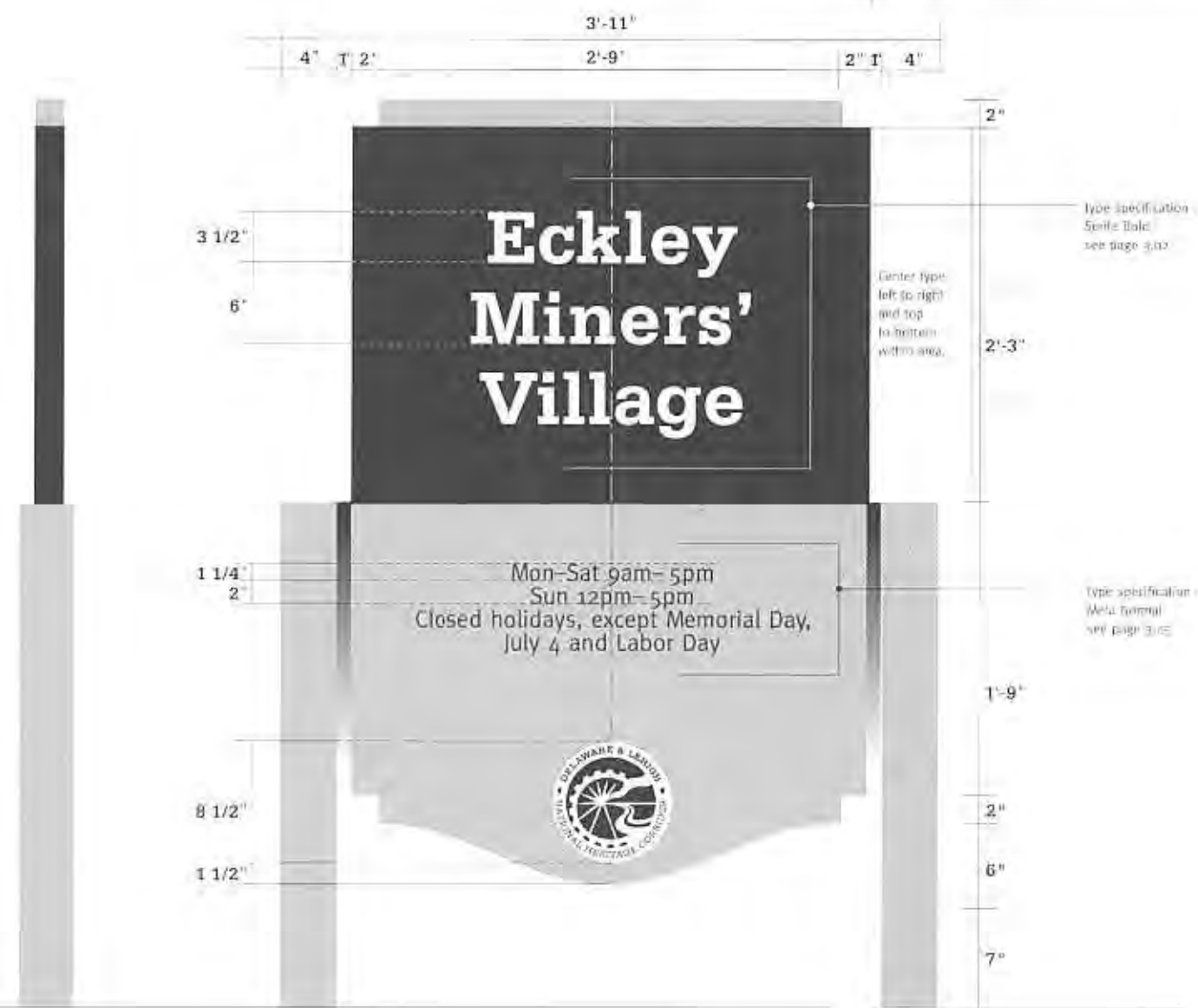
Section of Post Detail  
1/2" = 1'



Cap Detail  
1'-0" x 1'-0"



SG.5.11 SIGNAGE



**Material & Fabrication**

- signs can be single or double sided
- panels to be made of .090 (alloy 3003) aluminum sheet panels or heavier to ensure flatness and rigidity without oil canning
- panels are to be attached to an aluminum square tube frame, structurally reinforced as necessary to ensure stability and strength
- posts to be made from 4" x 4" aluminum extrusion with a wall thickness of 1/8"
- caps of posts: 1/8" aluminum, welded, ground smooth and finished to match post
- channels to be 1" x 2", finish to match post
- all corners and edges ground smooth before painting
- no visible fasteners throughout, sign box to have clean seamless appearance
- finish to be weather, vandal and as graffiti resistant as possible with minimum life of eight years without discoloration
- panels, posts, and caps painted with Matthews acrylic polyurethane satin finish, face and all edges

**Color**

- post, cap, channel connection, bottom half of sign and both sides as well as top horizontal edge: P2-Matthews LS-63694 satin
- top half of sign box, symbol, type on bottom half and both sides: P1-Matthews LS-52894 satin (all areas shown in black)
- type, symbol and arrows (if used): die cut Scotchlite reflective white vinyl

**Installation**

- post is welded to sleeve plate which bolts to threaded "L" hooks anchored in concrete
- bolts to be tamper proof
- location to be selected by client representative

7.95

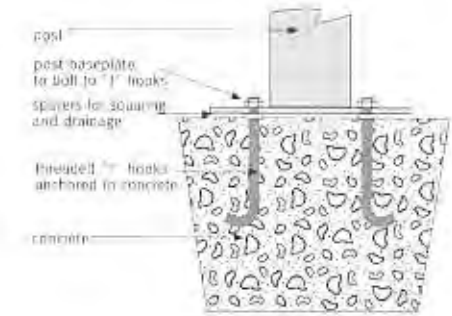
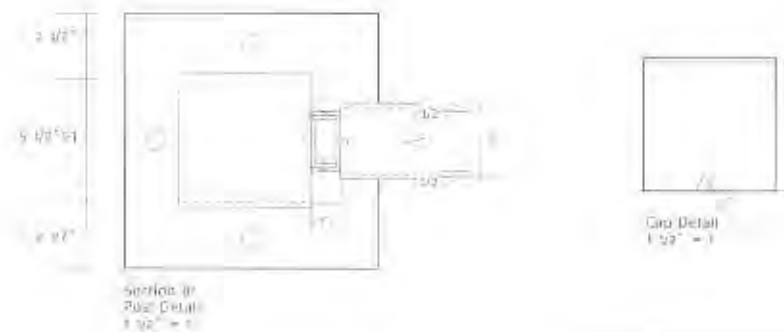
Identification - Main Entrance

1" = 1'



SG.5.12

SIGNAGE



**Material & Fabrication**

- signs can be single or double sided
- panels to be made of .090 (alloy 3003) aluminum sheet panels or heavier to ensure flatness and rigidity without oil tanning
- panels are to be attached to an aluminum square tube frame, structurally reinforced as necessary to ensure stability and strength
- posts to be made from 5 1/2" x 5 1/2" aluminum extrusion with a wall thickness of 1/8"
- caps of posts: 1/8" aluminum, welded, ground smooth and finished to match post
- channels to be 1" x 2", finish to match post
- all corners and edges ground smooth before painting
- no visible fasteners throughout, sign box to have clean seamless appearance
- finish to be weather, vandal and as graffiti resistant as possible with minimum life of eight years without discoloration
- panels, posts, and caps painted with Matthews acrylic polyurethane satin finish, face and all edges

**Color**

- post, cap, channel connection, bottom half of sign and both sides as well as top horizontal edge: P2-Matthews LS-63694 satin
- top half of sign box, symbol, type on bottom half and both sides: P1-Matthews LS-52894 satin (all areas shown in black)
- type, symbol and arrows (if used): die cut Scotchlite reflective white vinyl

**Installation**

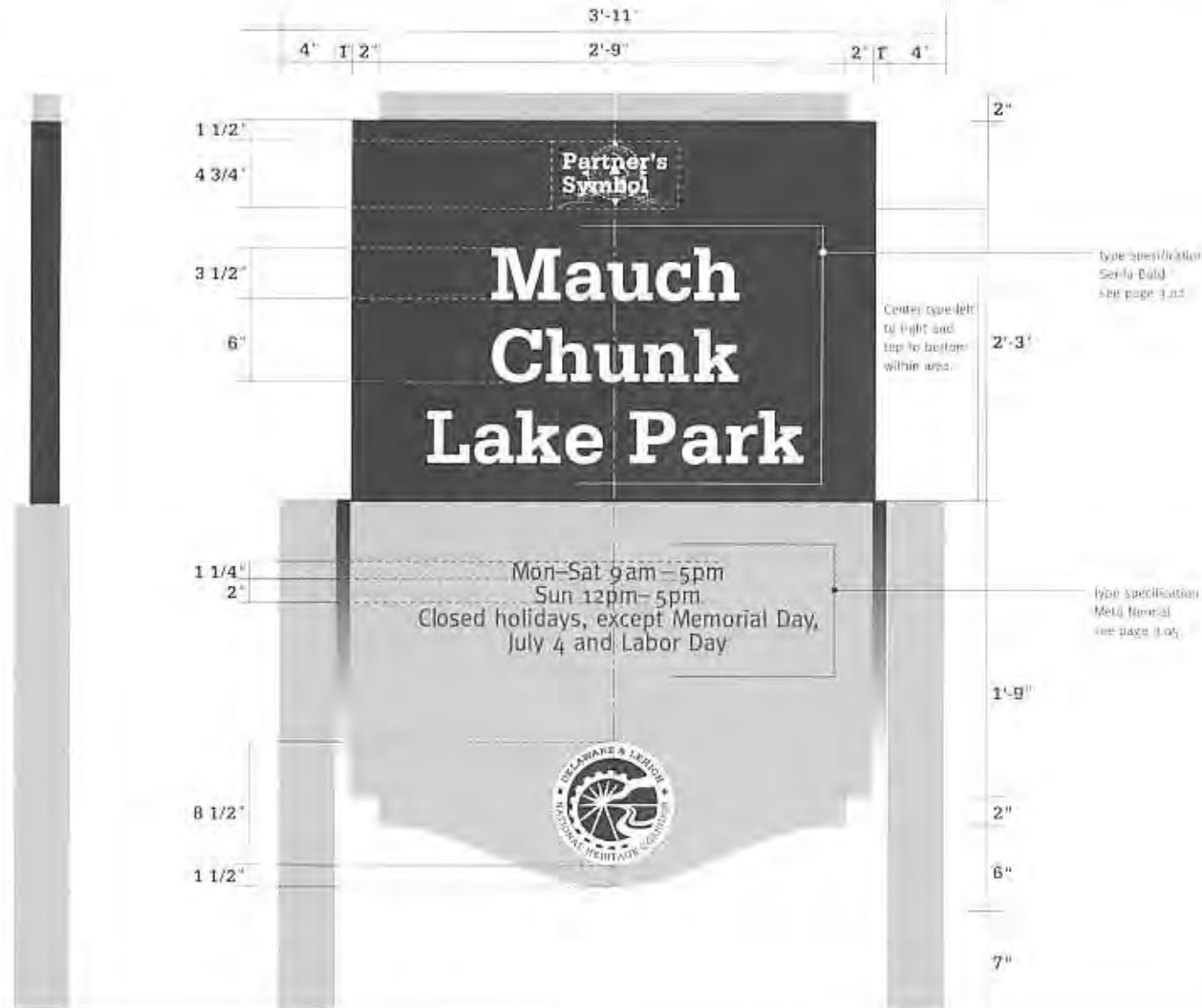
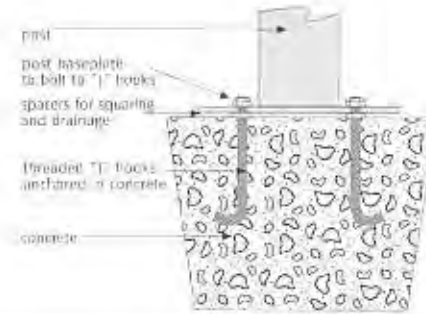
- post is welded to sleeve plate which bolts to threaded "J" hooks anchored in concrete
- bolts to be tamper proof
- location to be selected by client representative

Date:	7.95
Client:	Identification - Main Entrance
Scale:	1" = 1'



SG.5.13

SIGNAGE



**Material & Fabrication**

- signs can be single or double sided
- panels to be made of .090 (alloy 3003) aluminum sheet panels or heavier to ensure flatness and rigidity without oil canning
- panels are to be attached to an aluminum square tube frame, structurally reinforced as necessary to ensure stability and strength
- posts to be made from 4" x 4" aluminum extrusion with a wall thickness of 1/8"
- caps of posts: 1/8" aluminum, welded, ground smooth and finished to match post
- channels to be 1" x 2", finish to match post
- all corners and edges ground smooth before painting
- no visible fasteners throughout, sign box to have clean seamless appearance
- finish to be weather, vandal and as graffiti resistant as possible with minimum life of eight years without discoloration
- panels, posts, and caps painted with Matthews acrylic polyurethane satin finish, face and all edges

**Color**

- post, cap, channel connection, bottom half of sign and both sides as well as top horizontal edge: P1-Matthews LS-63694 satin
- top half of sign box, symbol, type on bottom half and both sides: P1-Matthews LS-52894 satin (all areas shown in black)
- type, symbol and arrows (if used): die cut Scotchlite reflective white vinyl

**Installation**

- post is welded to sleeve plate which bolts to threaded "1" hooks anchored in concrete
- bolts to be tamper proof
- location to be selected by client representative

cost:	7.95
name:	Identification - Main Entrance
scale:	1" = 1'



13" Disk

18" Disk



13" Disk



DELAWARE & LEHIGH  
NATIONAL HERITAGE CORRIDOR

SG.5.14

SIGNAGE

**Material & Fabrication**

- all signs are one sided
- tabbed disks to be made of 3/16" aluminum
- posts to be made from standard U-channel extrusion
- all corners and edges ground smooth before painting
- finish to be weather, vandal and as graffiti resistant as possible with minimum life of eight years without discoloration
- disks and posts to be painted with Matthews acrylic polyurethane satin finish, face and all edges

**Color**

- disk: P1-Matthews LS-52894 satin
- post: P2-Matthews LS-63694 satin
- symbol: die cut Scotchlite reflective white vinyl

**Installation**

- tabbed disks to be bolted at top and bottom tabs into existing posts
- where U-channel is required, tabbed disks to be bolted at top and bottom tabs through U-channel
- where U-channel is required, for direct burial approximately 1/3 of channel height in ground or wet concrete
- see SG.5.18 for more complete specifications

7.95

Main Entrance- Corridor Retrofit

NTS



18" Disk

18" Disk



18" Disk



DELAWARE & LEHIGH  
NATIONAL HERITAGE CORRIDOR

SG.5.15

SIGNAGE

**Material & Fabrication**

- all signs are one sided
- tabbed disks to be made of 3/16" aluminum
- posts (when required) to be made from standard U-channel extrusion see SG.5.18
- all corners and edges ground smooth before painting
- finish to be weather, vandal and as graffiti resistant as possible with minimum life of eight years without discoloration
- disks and posts to be painted with Matthews acrylic polyurethane satin finish, face and all edges

**Color**

- disk: P1-Matthews LS-52894 satin
- post: P2-Matthews LS-63694 satin
- symbol: die cut Scotchite reflective white vinyl

**Installation**

- tabbed disks to be bolted at top and bottom tabs into existing posts
- where U-channel is required, tabbed disks to be bolted at top and bottom tabs through U-channel
- where U-channel is required, for direct burial approximately 1/3 of channel height in ground or wet concrete
- see SG.5.18 for more complete specifications

Cost

7.95

Use

Main Entrance- Corridor Retrofit

Scale

NTS





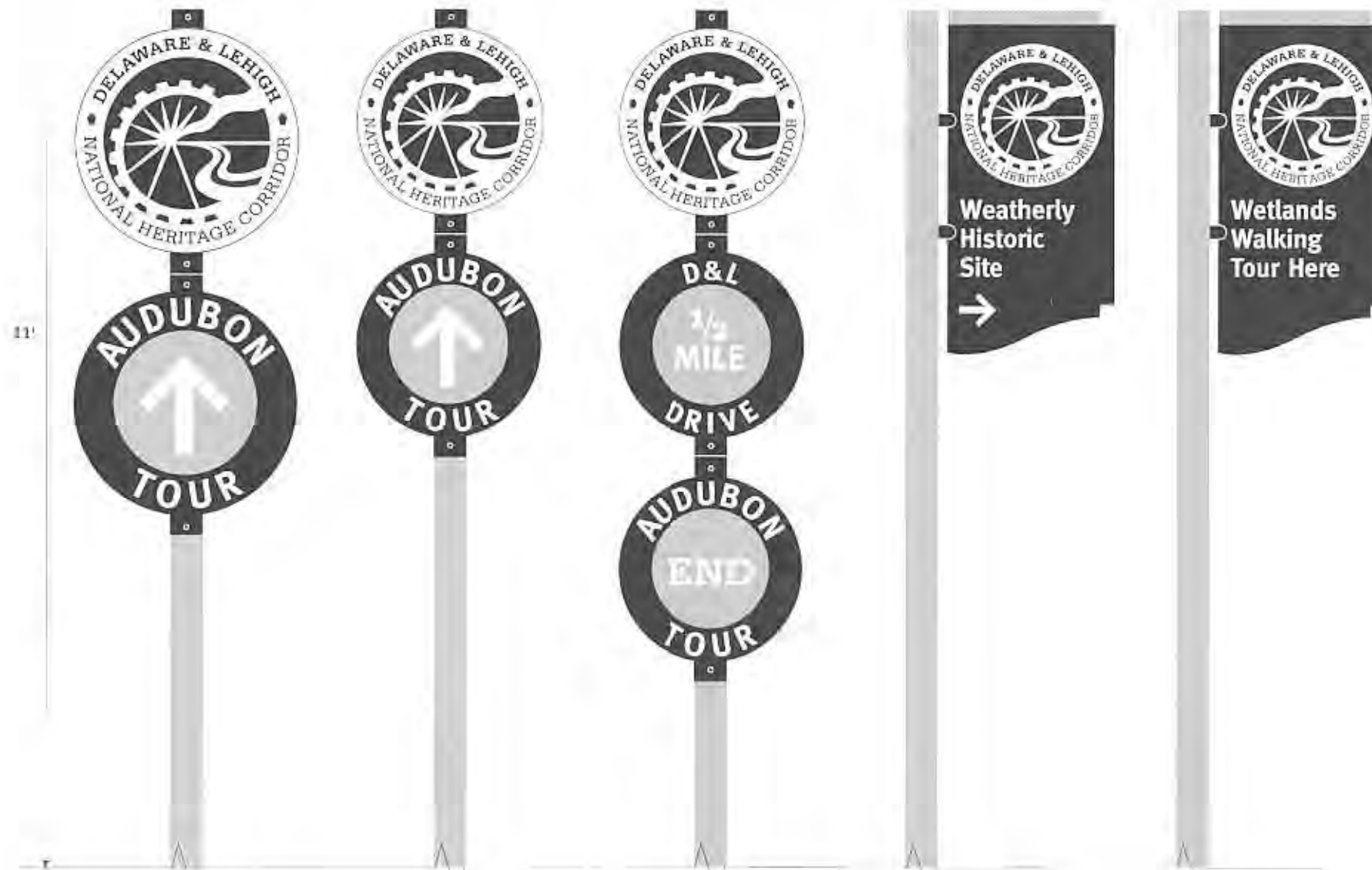
DELAWARE & LEHIGH  
NATIONAL HERITAGE CORRIDOR

Four lane or  
divided highway

Two lane

Site

SG.5.16 SIGNAGE



**Auto Trail**

The D&L Drive links the Corridor by automobile the same way the D&L Trail does for hikers and bicyclers. The visitors and residents will follow the route by following the signs. Auto trails linking pieces of history by theme or interest will use the specialty tour signs. One descriptive word will be used on each trail indicating its uniqueness.

7.95
Auto Trail
3/4" = 1'



SG.5.17

SIGNAGE



7.95

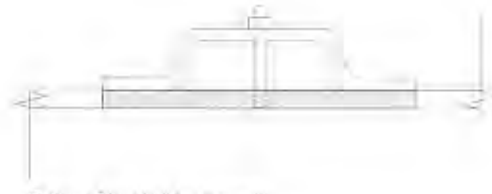
Auto Trail/Message Options

1" = 1'

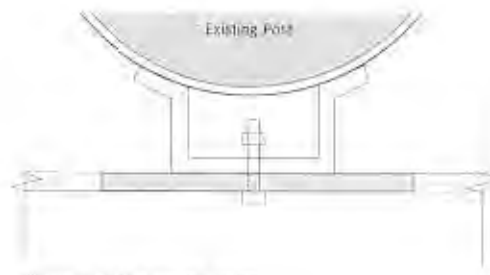


SG.5.18

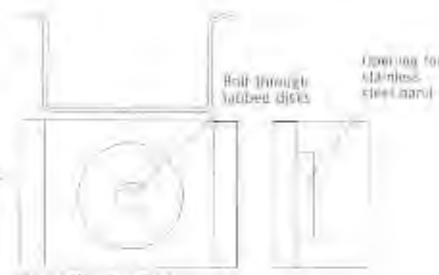
SIGNAGE



Option 1: Direct bolt to U-channel  
Section of Post Detail  
1/2 Full Scale



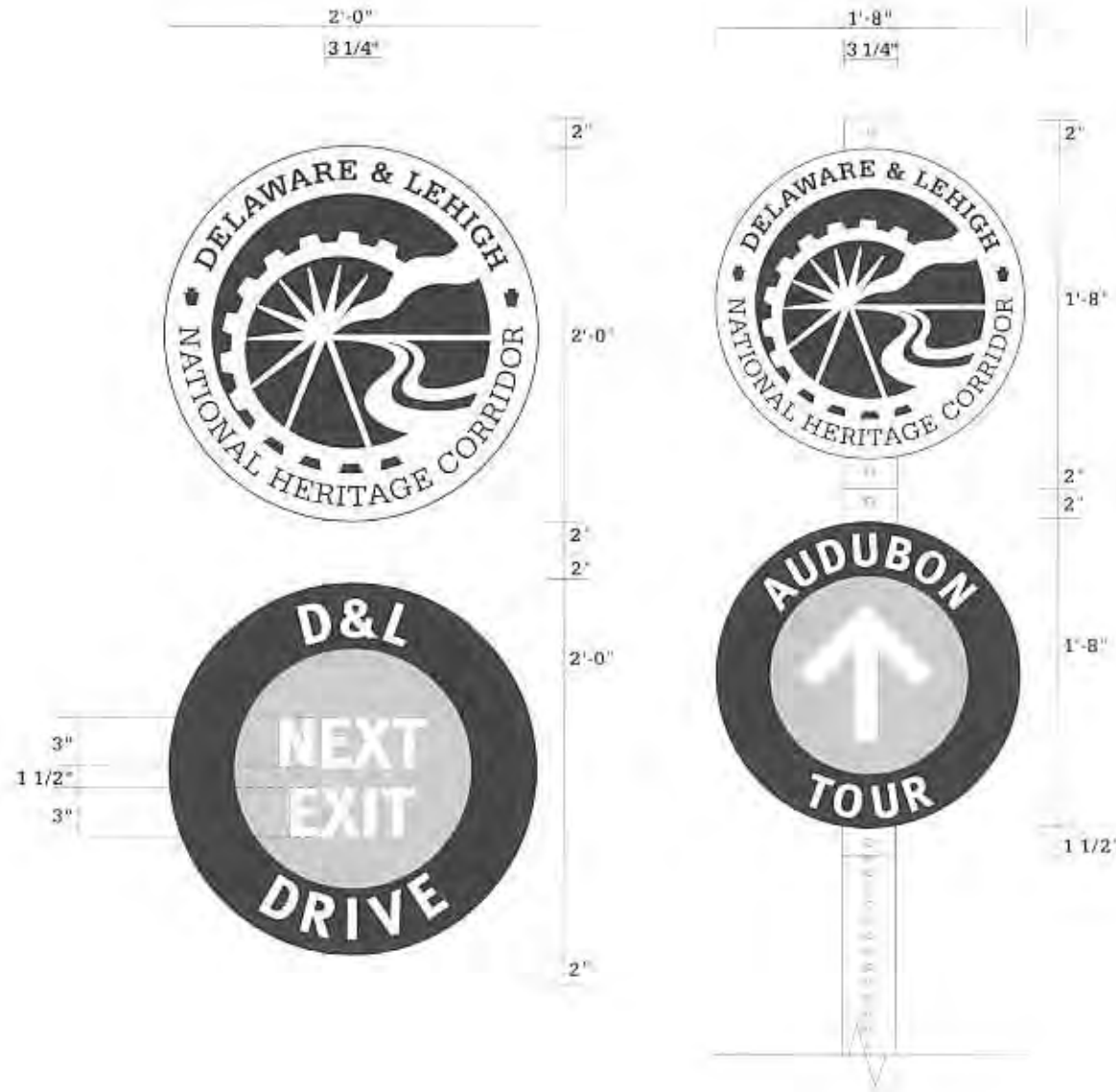
Option 2: Bandit mounting system  
Section of Post Detail  
1/2 Full Scale



Bandit Mounting Bracket  
1/2 Full Scale

4 Lane

2 Lane



The Bandit mounting bracket is to be used when tabbed disks are to be attached to pre-existing square or cylindrical posts.

Using pre-existing square or cylindrical posts eliminates the cost of a new U-channel and reduces visual clutter in the environment.

Material & Fabrication

- all signs are one sided
- tabbed disks to be made of 3/16" aluminum
- posts to be made from standard U-channel extrusion
- all corners and edges ground smooth before painting
- finish to be weather, vandal and as graffiti resistant as possible with minimum life of eight years without discoloration
- disks and posts to be painted with Matthews acrylic polyurethane satin finish, face and all edges

Color

- disk and symbols: P1-Matthews LS 52894
- satin (all areas shown in black)
- posts and disk centers: P2-Matthews LS 63644
- satin (all areas shown in grey)
- type, symbol and arrows: die cut Scotchlite reflective white vinyl (all areas shown in white)

Installation

- for direct burial in ground or wet concrete
- use 1/4" post (3" in , 11' above)
- tabbed disks to be bolted at top and bottom tabs through U-channel
- tabs to be used as vertical spacers along U-channel
- option: when installing on an existing post, bolt through Bandit mounting bracket and band to post
- locations to be verified by fabricator and client representative

7.95

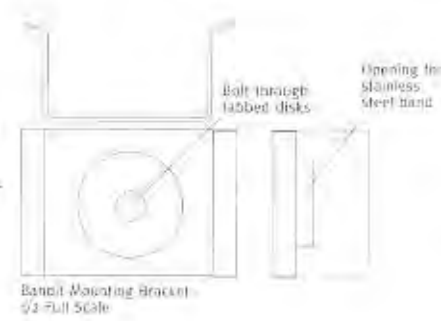
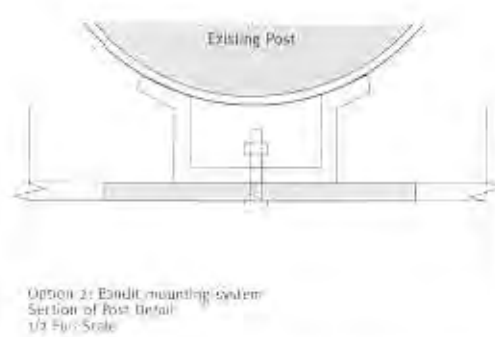
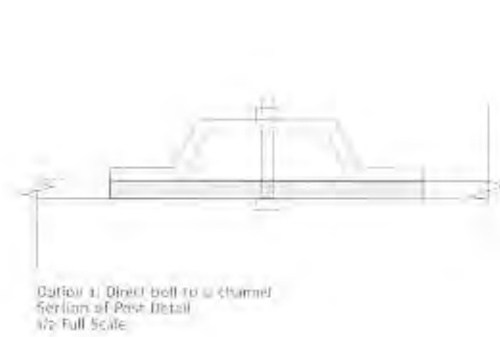
Auto Trail

1" = 1'

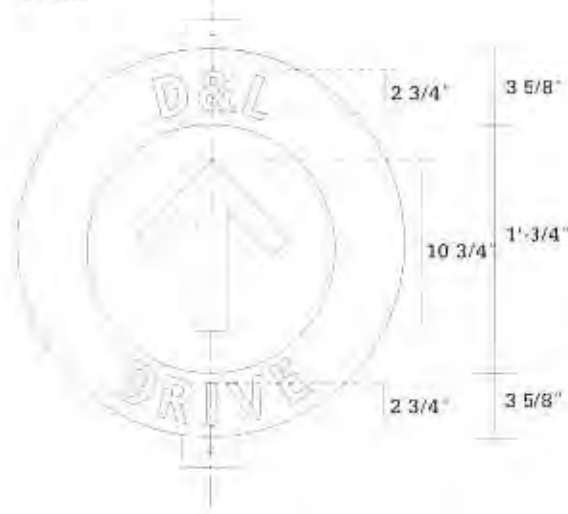


SG.5.19

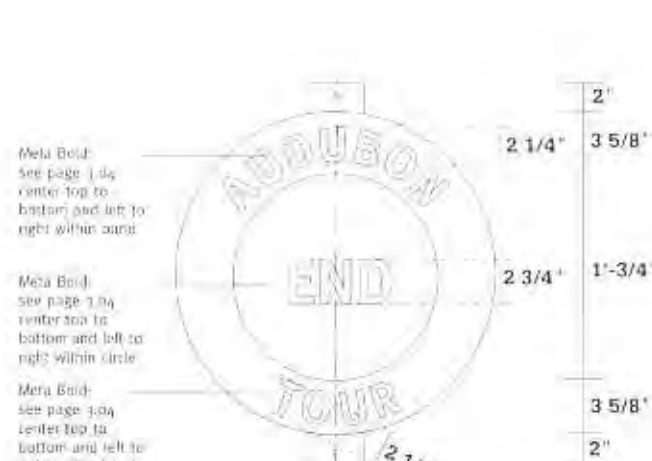
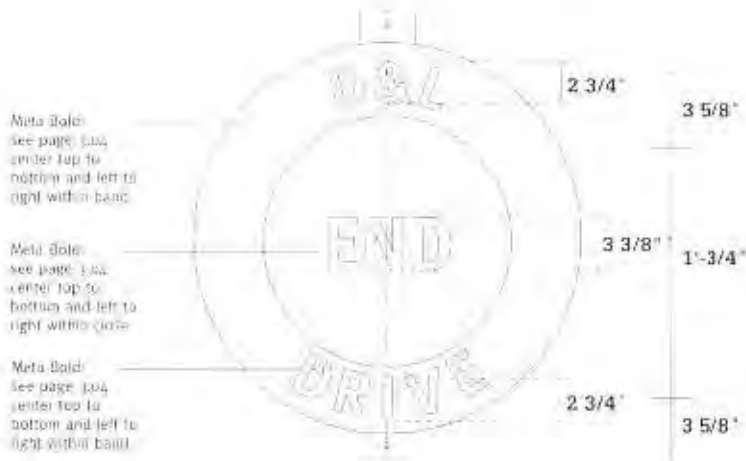
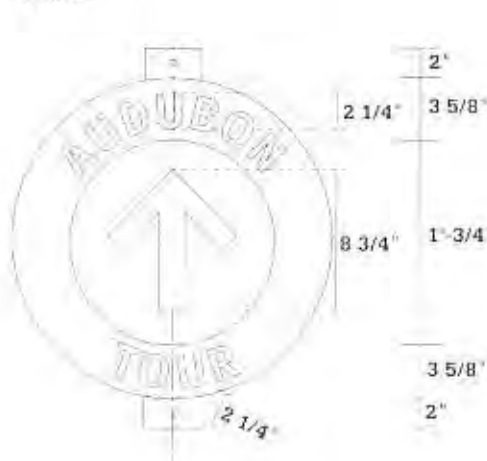
SIGNAGE



4 Lane



2 Lane



**Material & Fabrication**

- all signs are one sided
- tabbed disks to be made of 3/16" aluminum
- posts to be made from standard U-channel extrusion
- all corners and edges ground smooth before painting
- finish to be weather, vandal and as graffiti resistant as possible with minimum life of eight years without discoloration
- disks and posts to be painted with Matthews acrylic polyurethane satin finish, face and all edges

**Color**

- disk and symbols: P1-Matthews LS-52694 satin (all areas shown in black - see SG.5.18)
- post and disk centers: P2-Matthews LS-63694 (all areas shown in grey - see SG.5.18)
- type, symbol and arrows: die cut Scotchlite reflective white vinyl (all areas shown in white - see SG.5.18)

**Installation**

- for direct burial in ground or wet concrete: use 1 1/2" post (3" in , 11" above)
- tabbed disks to be bolted at top and bottom tabs through U-channel
- tabs to be used as vertical spacers along U-channel
- option: when installing on an existing post, bolt through Bandit mounting bracket and band to post
- locations to be verified by fabricator and client representative

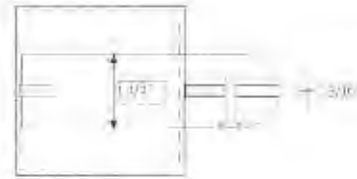
Cost	7.95
Code	Auto Trail
Scale	1" = 1'



DELAWARE & LEHIGH  
NATIONAL HERITAGE CORRIDOR

SG.5.20

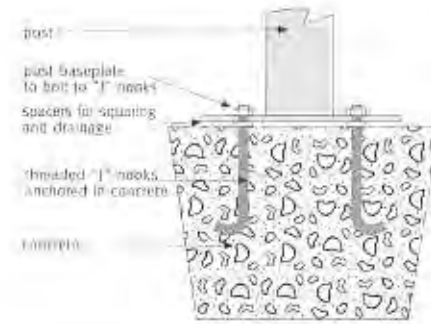
SIGNAGE



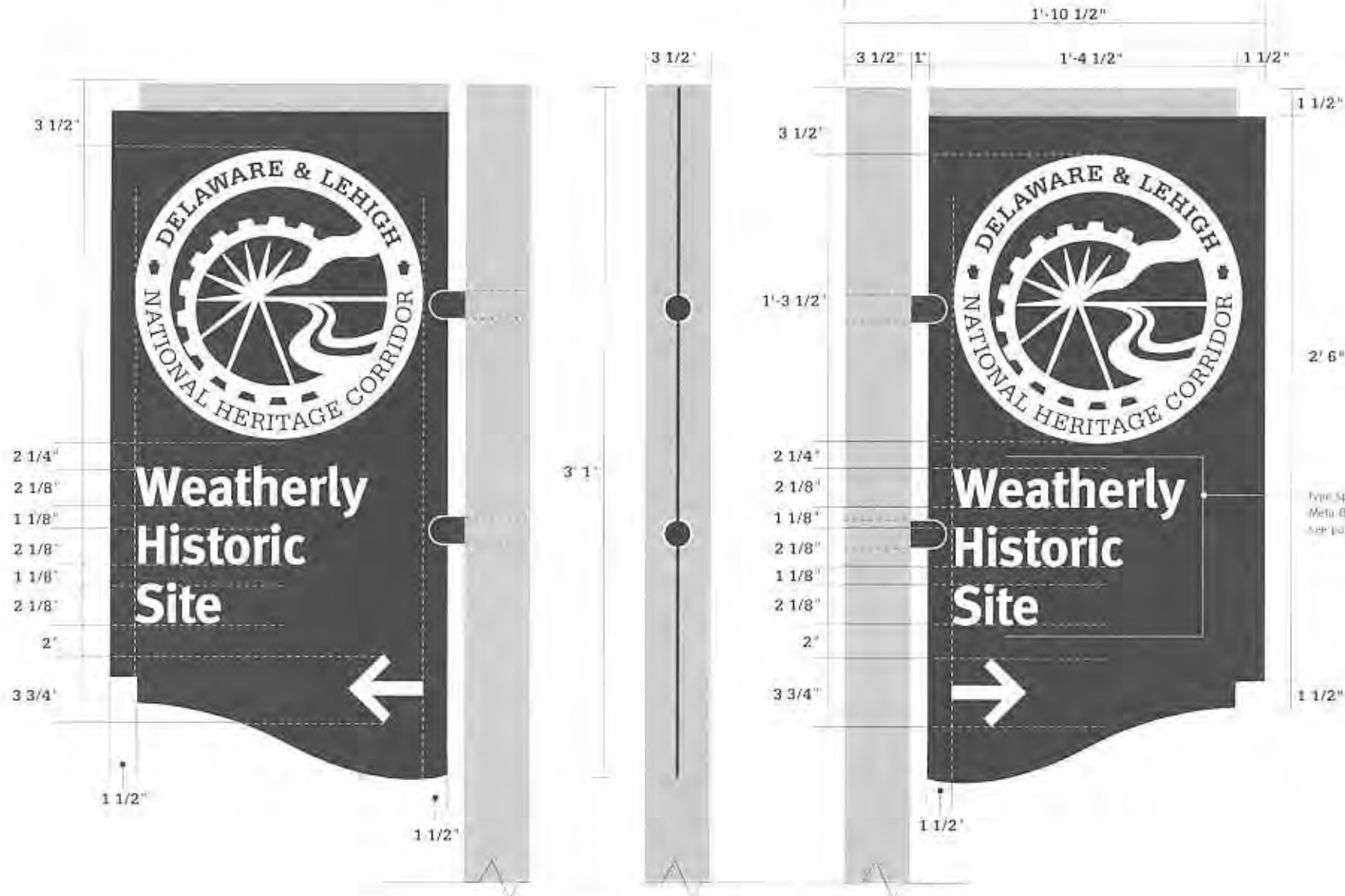
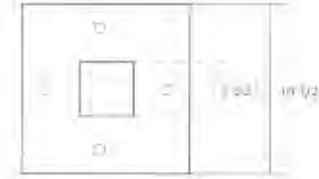
Section of Post Detail  
1001



Plan Detail  
1002



post  
post baseplate  
to bolt to "J" hooks  
spaces for squaring  
and drainage  
"threaded "J" hooks  
anchored in concrete  
sleeve plate



**Material & Fabrication**

- signs can be single or double sided
- panels to be made of 3/16" aluminum
- posts to be made from 3 1/2" x 3 1/2" aluminum extrusion with a wall thickness of 1/8"
- caps of posts: 1/8" aluminum, welded, ground smooth and finished to match post
- all corners and edges ground smooth before painting
- finish to be weather, vandal and as graffiti resistant as possible with minimum life of eight years without discoloration
- panels, posts, and caps painted with Matthews acrylic polyurethane satin finish, face and all edges
- Delaware and Lehigh logo to center left to right on sign panel, message and arrow to align with left side of logo

**Color**

- post, cap and top horizontal edge of sign: P2-Matthews LS-63694 satin
- sign panel and symbols: P1-Matthews LS-52894 satin (all areas shown in black)
- type, symbol and arrows: die cut Scotchlite reflective white vinyl

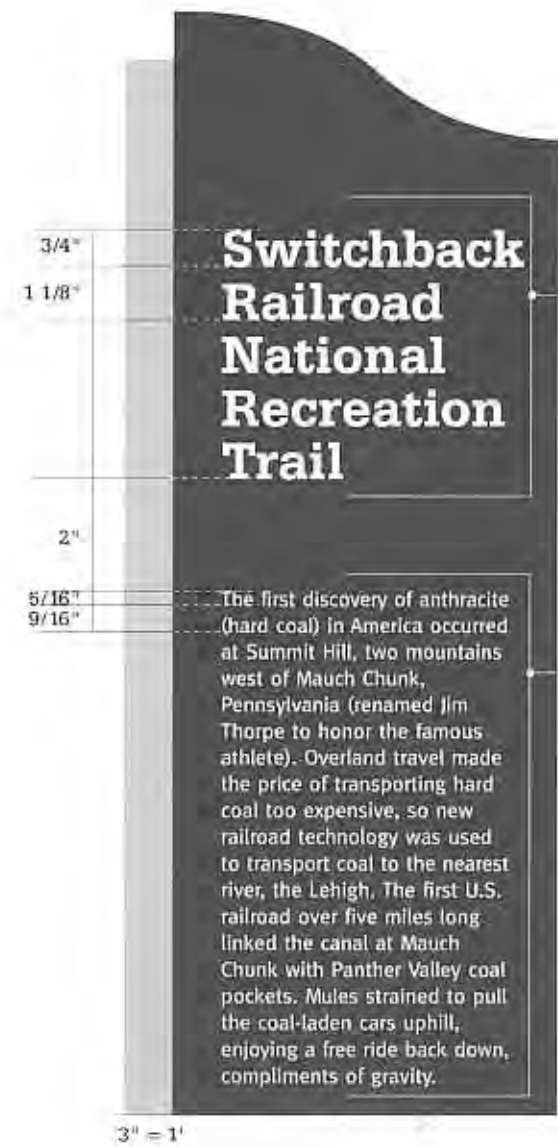
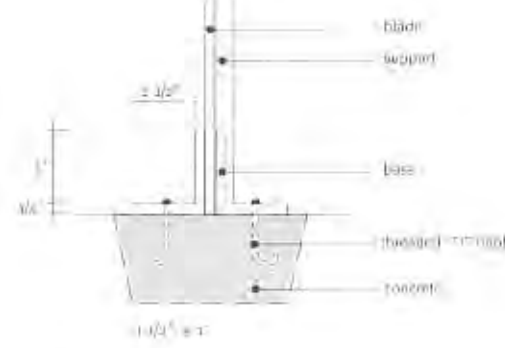
**Installation**

- post is welded to sleeve plate which bolts to threaded "J" hooks anchored in concrete
- bolts to be tamper proof
- option: 1 1/4" post for direct burial in ground or wet concrete (3" in, 11" above)
- for direct burial in ground or wet concrete where a lower sign height is desirable use 11" post and install to desired height
- location to be verified by fabricator and client representative

Cost	7.95
Code	Auto Trail Stop
Size	1 1/2" = 1'



SG.5.21 SIGNAGE



type specifications:  
Serifa Bold 80 points  
see page 1.02  
leading from baseline to baseline - 80 points  
normal kerning  
flush left, rag right  
column width 36 picas or 6"  
column length not to exceed 90 picas or 16"  
15 1/2 picas or 2 9/16" between last baseline and first baseline of paragraph

type specifications:  
Meta Normal 36 points  
see page 1.02  
leading from baseline to baseline - 36 points  
line space of 20 points from baseline to baseline between paragraphs  
normal kerning  
flush left, rag right  
rag tolerance to be kept within 0-4 picas  
with minimum hyphenation  
column width 36 picas or 6"  
column length not to exceed 90 picas or 16"

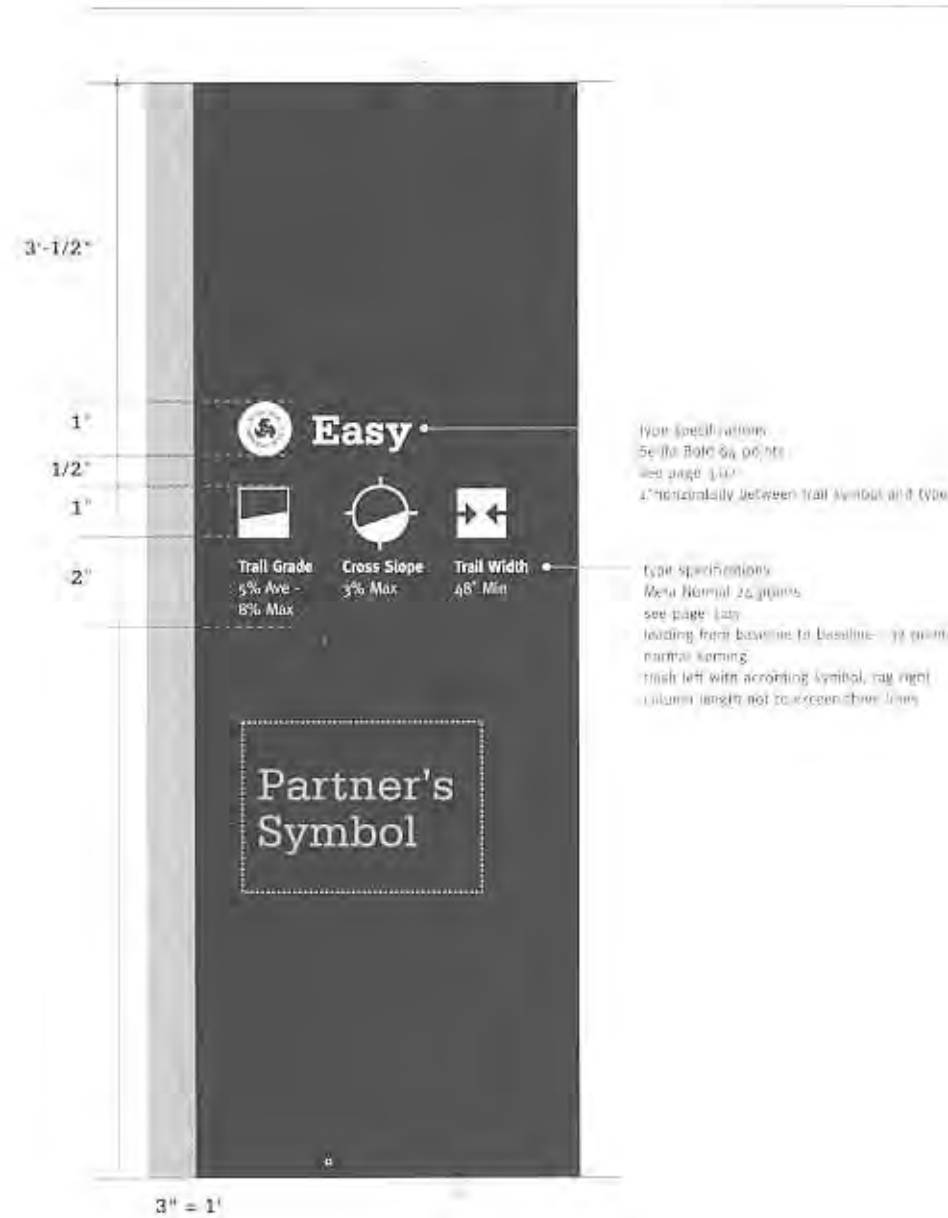
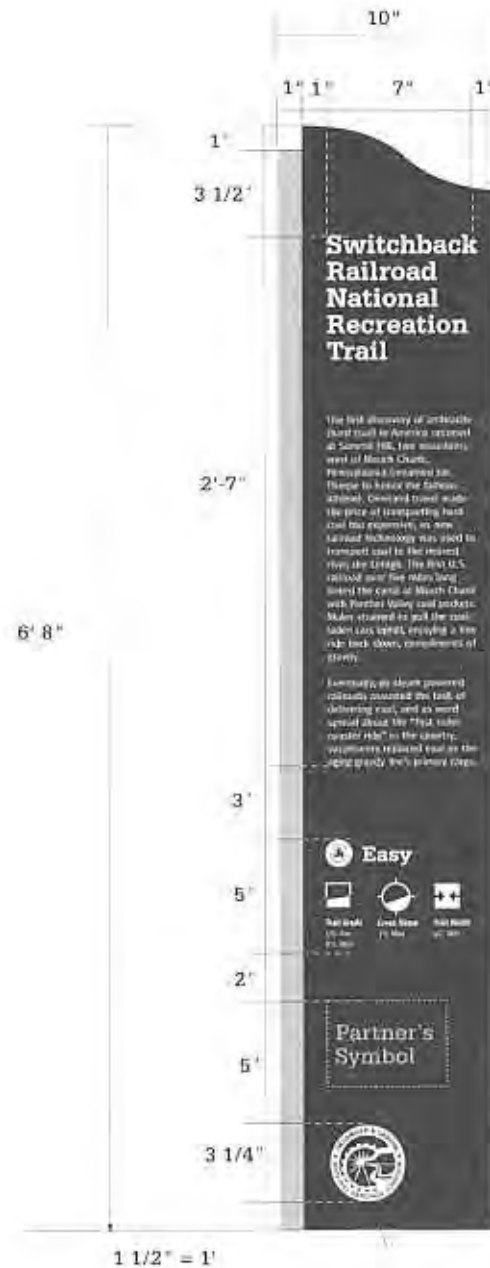
**Pedestrian Trail Entrance**  
-Trailblades indicate the beginning of a pedestrian trail. They provide the name and some background information. They also alert the prospective user to the level of difficulty, surface condition, grade and length.

**Material & Fabrication**  
-all signs are one sided  
-1" x 2" solid aluminum support is welded to 5/8" aluminum blade  
-all corners and edges ground smooth before painting  
-finish to be weather, vandal and anti graffiti resistant as possible with minimum life of eight years without discoloration  
-blade painted with Matthews acrylic polyurethane satin finish, face and all edges

**Color**  
-vertical slope and edge on left: P2-Matthews LS-60394 (all areas shown as grey)  
-blade and support including right side: P1-Matthews LS-32894 (all areas shown as black)  
-type and symbols: die cut scotch lite reflective white vinyl

**Installation**  
-post is welded to angle plates which bolt to (precast) 1" hooks anchored in concrete  
-bolts to be tamper proof  
-location to be selected by client representative  
-for direct burial approximately 1/3 of blade height in ground or wet concrete

Cost	7.95
Code	Pedestrian Trail Entrance
Notes	As noted



**Material & Fabrication**

- all signs are one sided
- 1" x 2" solid aluminum support is welded to 5/8" aluminum blade
- all corners and edges ground smooth before painting
- finish to be weather, vandal and as graffiti resistant as possible with minimum life of eight years without discoloration
- blade painted with Matthews acrylic polyurethane satin finish, face and all edges

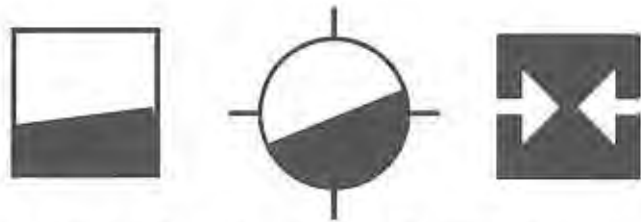
**Color**

- vertical stripe and edge on left: P2-Matthews LS-60394 (all areas shown as grey)
- blade and support including right side: P1-Matthews LS-52894 (all areas shown as black)
- type and symbols: die cut scotch lite reflective white vinyl

**Trail Difficulty Rating System Symbols**

- Trail Difficulty Rating System symbols will be provided by the Corridor Commission see SG.5.23

Code	7.95
Category	Pedestrian Trail Entrance
Comments	As noted



NTS- Trail Grade, Cross Slope and Trail Width Symbols



NTS- Trail Difficulty Rating System Symbols  
Easy, Moderate, Difficult and Most Difficult



DELAWARE & LEHIGH  
NATIONAL HERITAGE CORRIDOR

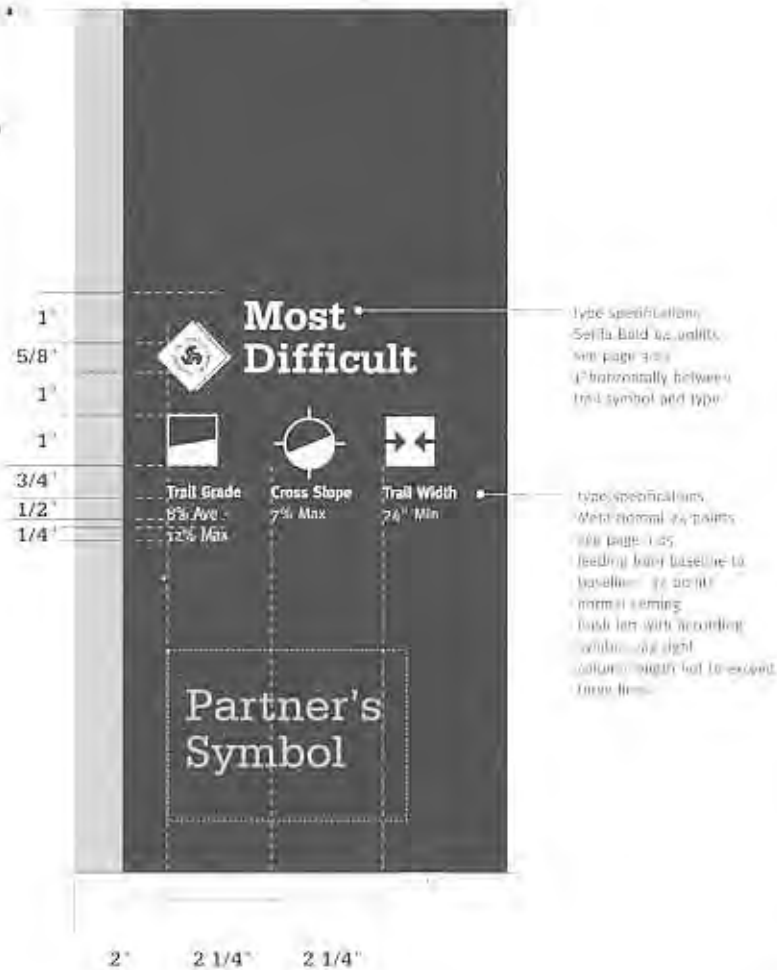
SG.5.23

SIGNAGE



1 1/2" = 1" Trail Difficulty Levels

3'-2 1/4"



Material & Fabrication

- all signs are one sided
- 1" x 2" solid aluminum support is welded to 5/8" aluminum blade
- all corners and edges ground smooth before painting
- finish to be weather, vandal and as graffiti resistant as possible with minimum life of eight years without discoloration
- blade painted with Matthews acrylic polyurethane satin finish, face and all edges

Color

- vertical stripe and edge on left: P2-Matthews LS-60394 (all areas shown as grey)
- blade and support including right side: P1-Matthews LS-52894 (all areas shown as black)
- type and symbols: die cut scotch lite reflective white vinyl

Trail Difficulty Rating System Symbols

- Trail Difficulty Rating System Symbols will be provided by the Corridor Commission

7.95

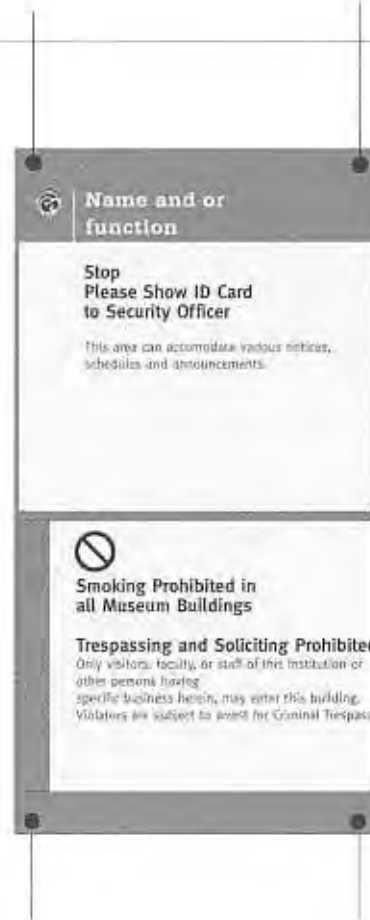
Pedestrian Trail Entrance

As noted





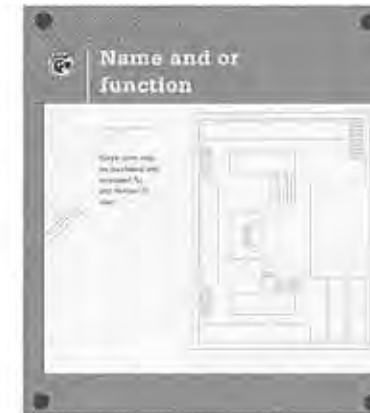
SG.5.24 SIGNAGE



Ceiling Suspended



Wall Mounted



Wall Mounted

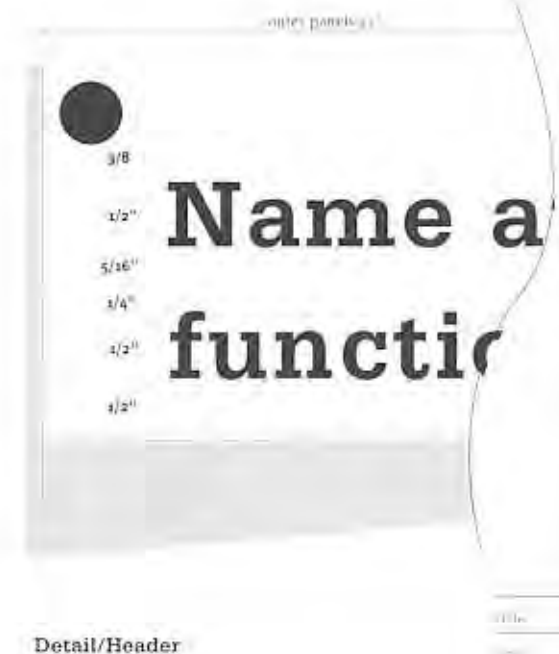
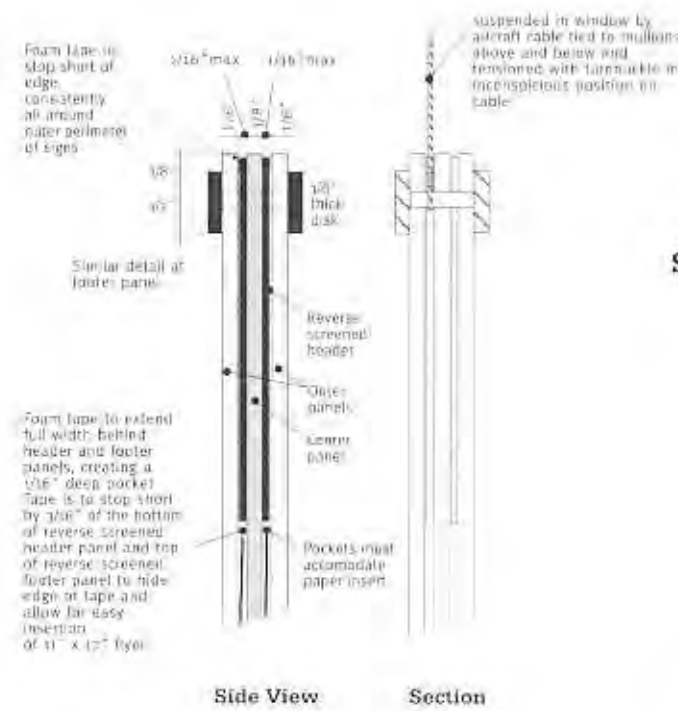
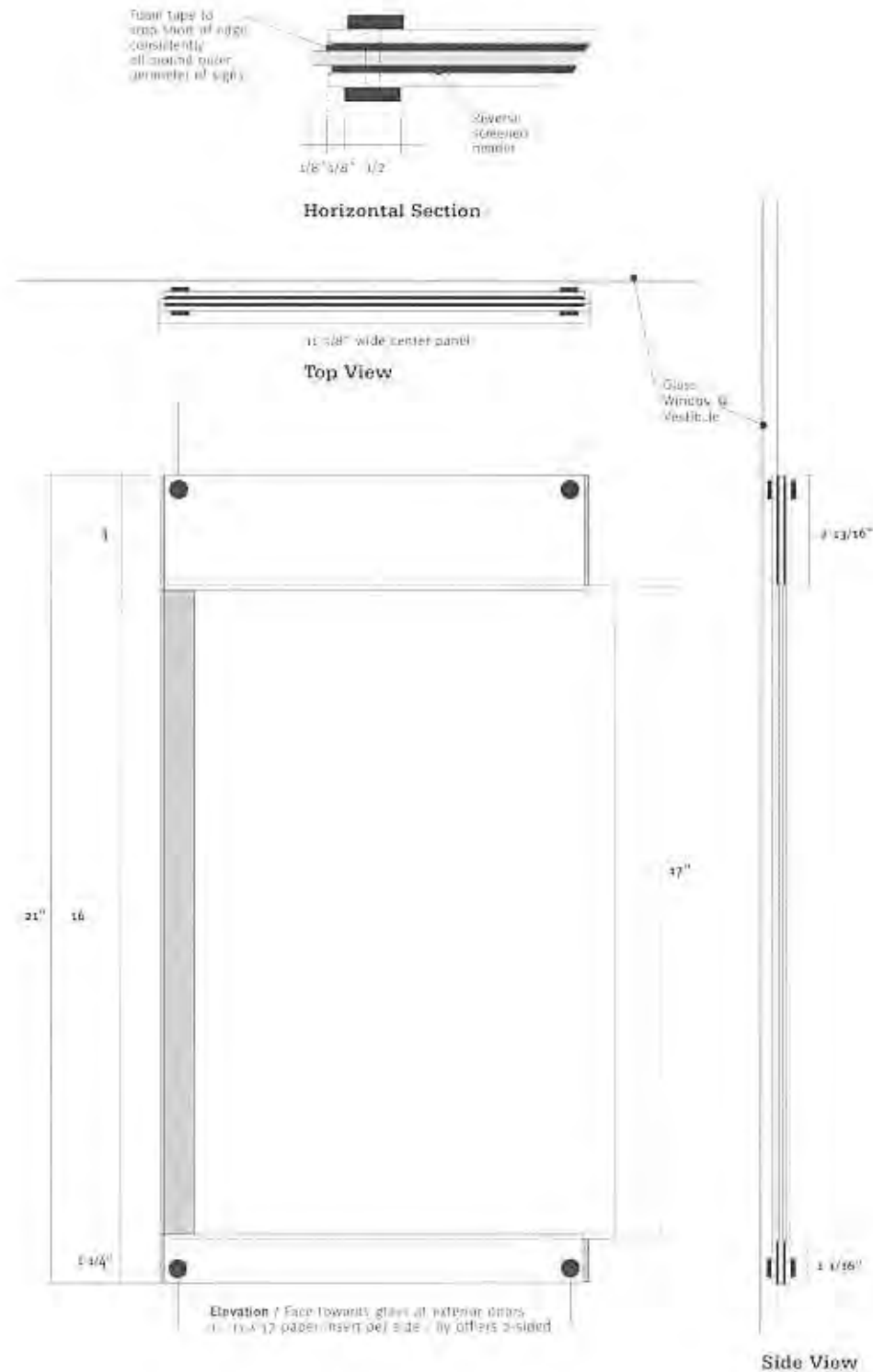
EQ#	7.95
TITLE	Changeable Message- Interior
QTY	NTS



SG.5.25 SIGNAGE

**Materials**

- outer panels: 1/8" thick Plaskolite Optix TemperElite green tint acrylic
- reverse screen and back paint header, center band and footer as shown
- polish all edges; no saw marks to be visible
- center panel: 1/8" thick clear acrylic, finished so all edges are crisp and square but not sharp to the touch, surface paint front, back and all edges
- Attach outer panels to center panel with foam tape to create pockets.
- Substitute 1/32" thick (versus 1/16" shown) foam tape to create pocket as long as paper inserts can still be inserted and removed with ease. (slimmer profile is desirable)
- Fabricator to provide client with tool or other simple method to make removal/changing of paper inserts as easy as possible.
- disks: 1/2" diameter, 1/8" thick surface painted aluminum disks mechanically fastened through acrylic panels. Must be tamper-proof.



Cost	7.95
Material	Changeable Message- Interior
Notes	NTS



SCHEDULE OF DISPLAY MODULES

Type	Description	Drawing Number
<b>Wayside - High Profile</b>	Upright single or multiple outdoor interpretive display, each panel containing an embedded fiberglass panel 36" x 48" tall.	<b>DG.6.02</b>
<b>Wayside - Low Profile</b>	Single sided outdoor waist high interpretive display containing an embedded fiberglass panel 24" x 18" or 36" x 24" tall.	<b>DG.6.18</b>
<b>Orientation Directory</b>	Three panel triangle orientation display; each side contains an embedded fiberglass panel with dimensions 36" x 48" tall. Panel one contains the Corridor-wide introduction and map. Panel two contains an introduction to a section (Reach) of the Corridor including adjacent Reaches and corresponding map information. The third panel contains information and related imagery about the specific location. In place of the site specific panel a bulletin display case may be used. All specifications for the components described above are contained in the High Profile section described above.	

All themes, text, captions, imagery, artwork, photography, maps or diagrams necessary to the design and execution of these exhibits, and any coordination or research required to generate the above mentioned items, are to be provided by the Corridor Commission or individual partners.



DG.6.02 DISPLAY



**High Profile Panels**

High Profile Panels provide information/education in areas where they do not compete with the "real thing." Examples: high traffic areas where the Low Profile delivery system (page DG.6.15) would block traffic; high traffic areas where you want more than one focal point for visitors; a series of billboards for effect; entries into interpretive areas needing an introduction; when more space is needed for graphics than fit nicely into a low profile system; and when closing a trail you wish to reclaim by either blocking entry with panels of interpretive information or seeking cooperation and support in your efforts. It is imperative that this exhibit sign does not block or compete with the view of the primary resource. We have provided a choice of panel configurations and a number of panels for your selection.

7.95

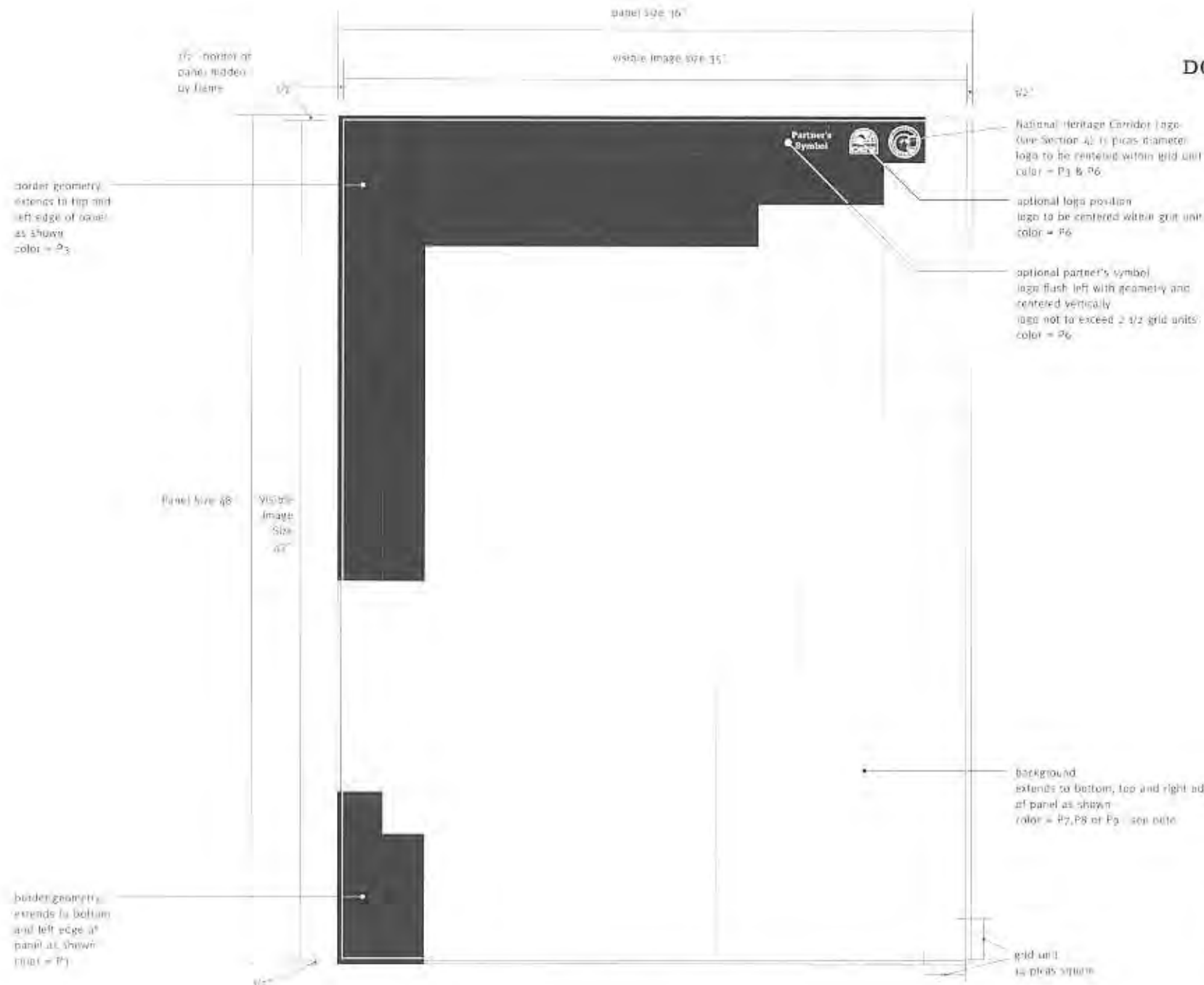
Wayside High Profile Panel

3/4" = 1'-0"



DG.6.03

DISPLAY



**Panel Details**

- panel size is 48" tall by 36" wide
- live image size is 47" tall by 35" wide
- grid unit is 14 picas square
- client to select logos for optional logo positions
- all other elements on the page are permanent design elements and may not be manipulated in any way

**Color**

- P3 = PMS 208 - maroon
- P5 = PMS black
- P6 = white
- P7 = background 1 - PMS 5305
- P8 = background 2 - PMS 5503
- P9 = background 3 - PMS 4535

**Background Color**

- either P7, P8 or P9 may be used as a background color on the high profile panels.
- the color of the headline text (see page DG.6.05) should always match the color chosen for the background of that panel.

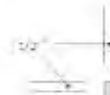
DATE	7.95
TITLE	Wayside High Profile Grid
SCALE	1 1/2" = 1'-0"



DG.6.04

DISPLAY

1/2" border of panel hidden by frame



engraved or line illustration reversed  
out of background color  
image not to exceed 4 grid units square  
image may be rotated up to 20 degrees  
(see 6.06-6.08 for variations)  
color = P5

main photograph  
7 grid units tall, visible width may vary  
from 9 1/2 to 11 grid units  
(see 6.06-6.08 for variations)  
photograph must be flush left with  
barrow element  
color = P4

photograph  
2 grid units tall by 1 1/2 grid units wide  
color = P4  
if optional photograph is not used this  
photograph may be enlarged to 2 1/2 x  
4 grid units to expand 1/2 grid unit to  
the top and left

1/4 grid space between photographs

optional photograph  
(see 6.06 for variation)  
2 grid units tall by 1 1/2 grid units wide  
color = P4

silhouetted image  
(see 6.06-6.08 for variations)  
image reverses out of main photograph  
and background color  
image area not to exceed that of the  
main photograph  
color = P4

Panel Details

- all elements that extend to the edges of the image area must also bleed off of the panel
- all elements on the page are prototypical and must be approved by client

Images

- all photographs and line art reverse out of background color.
- traps and fits to be minimal in order to prevent white showing through.

Color

- P3 = PMS 208 - maroon
- P5 = PMS black
- P6 = white
- P7 = background 1 - PMS 5305
- P8 = background 2 - PMS 5503
- P9 = background 3 - PMS 4535

Cost:	7.95
Title:	Wayside High Profile Image
Specs:	1 1/2" = 1'-0"



DG.6.05

DISPLAY

headline  
verifa bold 32/16/7 points  
column width not to exceed 7 1/2 grid units or 105 picas  
see page 7.05 for spacing  
type to reverse out of border element color  
P3 (see 6.06-6.08 for variations)  
color = P3, P8 or P9  
see note on DG.6.03

quote  
verifa italic 24/45 points  
column width 3 1/2 grid units or 49 picas  
quote text not to exceed 1 1/2 grid units or 21 picas vertically  
see 6.06-6.08 for variations  
color = P3

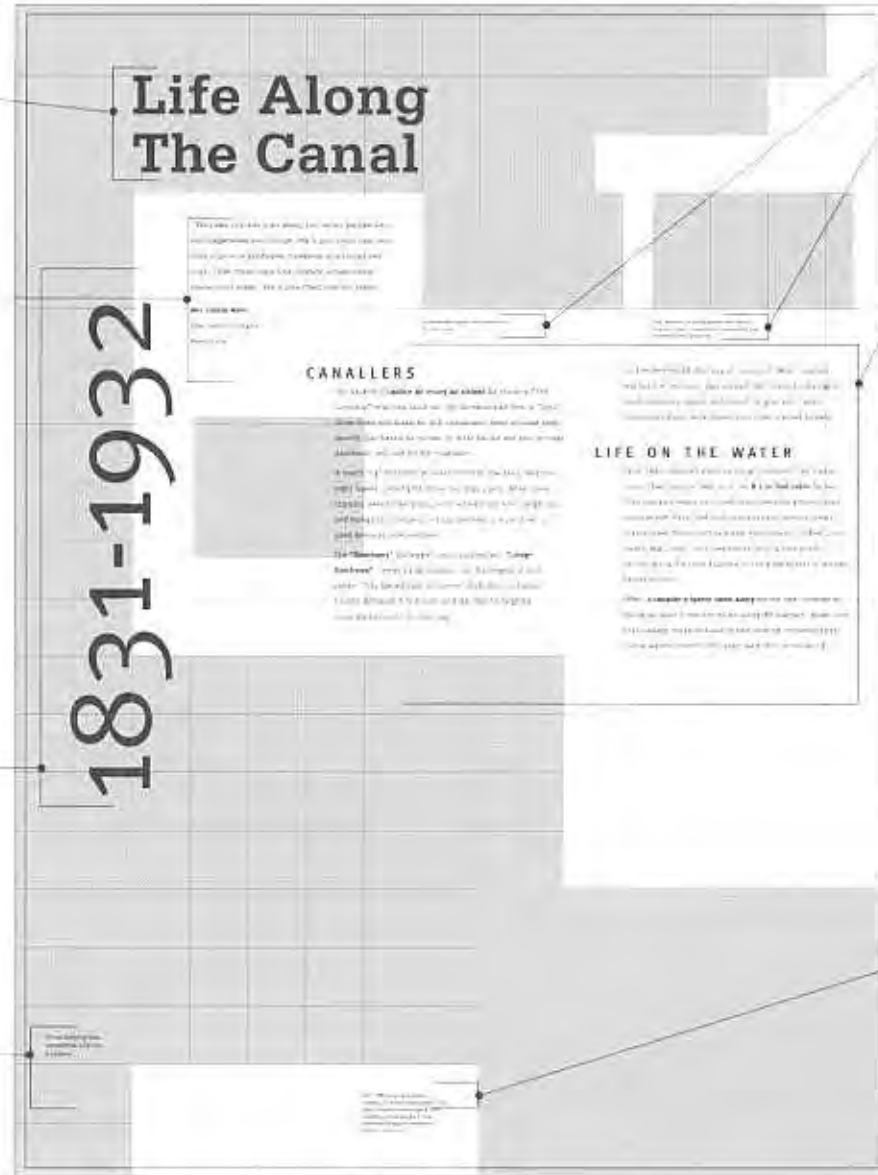
quote name  
meta bold 20/45 points  
quote description  
meta normal 20/45 points  
column width 1 1/2 grid units or 21 picas  
see page 7.06 for spacing  
67 point linespace from last baseline of quote to first baseline in name  
see 6.12-6.13 for variations  
color = P3

date  
meta normal 35.0 points  
third digit in first date "1" shown here  
to center vertically between main photograph and border  
date\* to reverse out of border geometry, background and main photograph  
color = P6

caption for main photograph  
verifa roman 18/24 points  
column width 1 grid unit or 14 picas  
column to be orientated on half grid unit horizontally and vertically  
caption to reverse out of border geometry  
color = P6

1/2" border of paper hidden by frame

1/2"



caption for optional photograph  
verifa roman 24/24 points  
column width is 2 grid units or 28 picas  
3 1/2 picas or 47 points from bottom of photograph to baseline of caption  
caption may not exceed 3 lines  
color = P3

main text  
meta normal 24/45 points  
56 point linespace from baseline to baseline between paragraphs  
column width 4 grid units or 56 picas  
column on left not to extend past 4 1/2 grid units vertically  
column on right may extend past 4 1/2 grid units if the main photograph is cropped horizontally to 9 1/2 grid units  
see 6.06-6.08 for variations  
select a strong word from each paragraph or a few places within the text to set in meta bold  
color = P5

heads  
meta italic 36/45 points  
(check spacing page 3.17)  
heads should be 1/2 grid unit or 7 picas to the left of right margin of the main text  
66 point linespace from last baseline in paragraph to baseline of new head  
color = P5

caption for silhouetted image  
verifa roman 18/24 points  
column width 2 grid units or 28 picas  
column to be orientated on the half grid unit vertically  
caption may not exceed 4 lines and may be moved horizontally depending on the shape of the silhouetted image  
see 6.06-6.08 for variations  
color = P3

Panel Details

-all elements on the page are prototypical and must be approved by client

Type

-no substitute typefaces will be accepted  
-normal kerning  
-all type flush left, rag right  
-rag tolerance to be kept within 2-3 picas with minimum hyphenation  
-type is specified as type size/leading  
-all type to overprint unless specified as reversed or P6

Color

P3 = PMS 20B - maroon  
P5 = PMS black  
P6 = white  
P7 = background 1 - PMS 5305  
P8 = background 2 - PMS 5501  
P9 = background 3 - PMS 4535

7.95

Wayside High Profile Text

1 1/2" = 1'-0"



1831-1932

## Life Along The Canal

**Canallers**

The canal is a waterway for moving goods and people. It is a lifeline for the people who live along it. It is a way of life. It is a way of work. It is a way of life.

**Life on the Water**

The canal is a waterway for moving goods and people. It is a lifeline for the people who live along it. It is a way of life. It is a way of work. It is a way of life.







© Delaware & Lehigh Canal Authority

Price	7.95
Title	Wayside High Profile Example Panel 1
Scale	1 1/2" = 1'-0"







DELAWARE & LEHIGH  
NATIONAL HERITAGE CORRIDOR

DG.6.08

DISPLAY

**Canal Boats**

1931-1932

**BOATBUILDING**

**HINGE BOATS**

**PASSING RULES**

**Canal Boats**

Canal boats were the main mode of transport for goods and passengers in the Delaware Valley from the late 18th century to the early 20th century. They were built by hand and were used to transport goods and passengers between Philadelphia and the Delaware River.

**BOATBUILDING**

Boatbuilding was a traditional craft in the Delaware Valley. Boatbuilders used local materials and techniques to build boats that were strong and durable. The boats were built by hand and were used to transport goods and passengers between Philadelphia and the Delaware River.

**HINGE BOATS**

Hinge boats were a type of canal boat that were used to transport goods and passengers. They were built by hand and were used to transport goods and passengers between Philadelphia and the Delaware River.

**PASSING RULES**

There were strict rules for passing boats on the canal. The rules were designed to ensure that the boats could pass safely and without incident. The rules were passed down from generation to generation and were strictly followed.

Scale	7.95
Title	Wayside High Profile Example Panel 3
Scale	1 1/2" = 1'-0"



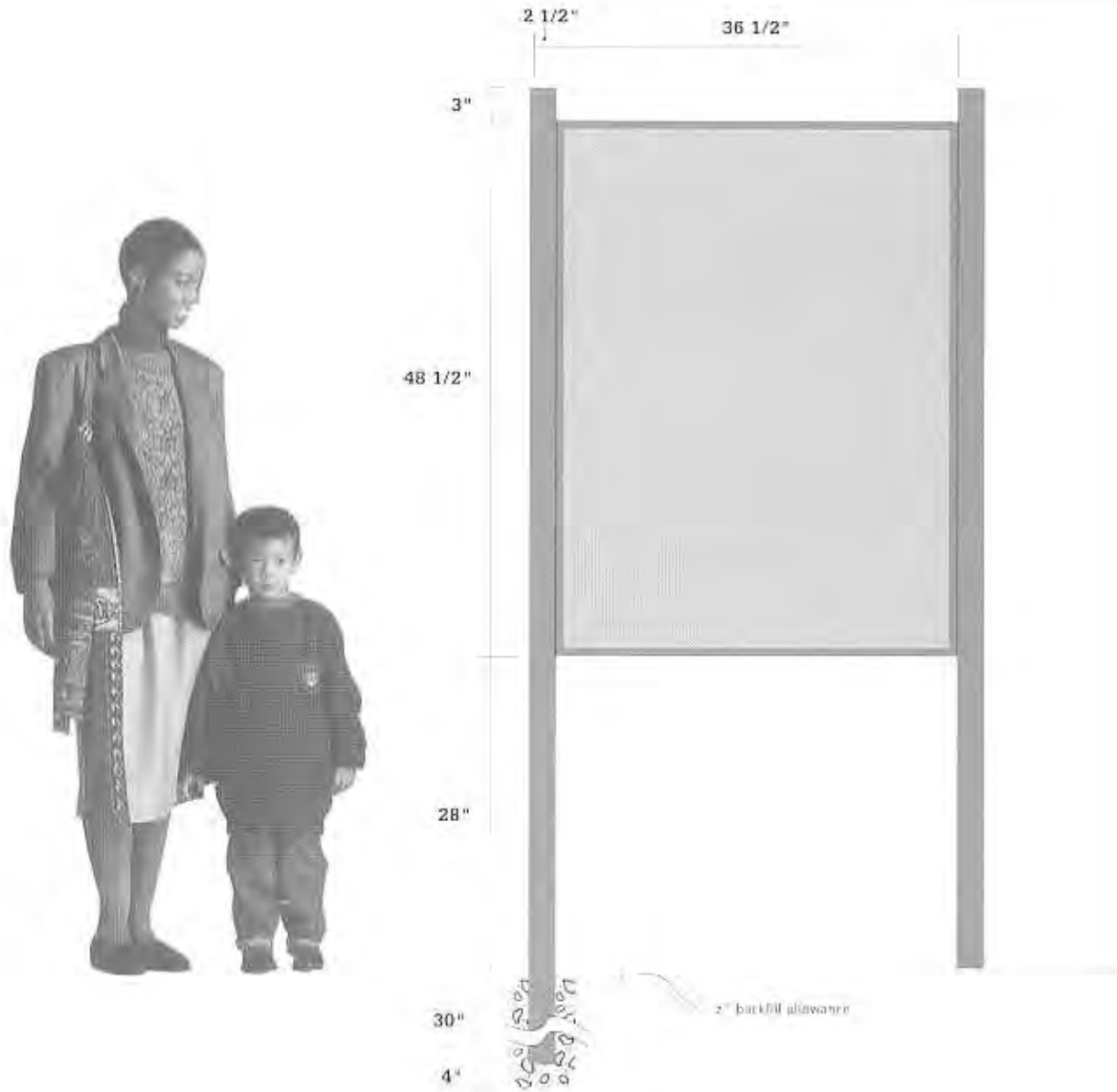
DELAWARE & LEHIGH  
NATIONAL HERITAGE CORRIDOR

DG.6.09

DISPLAY



Overhead Section



**Panel Details**

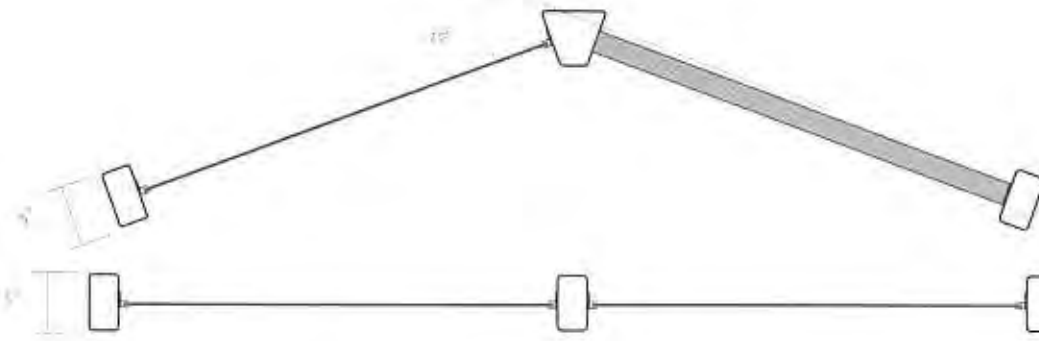
-Pages DG.6.09 through DG.6.14 provide the fabrication information needed for displaying several different configurations of upright outdoor interpretive panels. The three sided kiosk option can also be used indoors if designed with feet. This display panel holds a fiberglass embedment panel 36"x48". It is not to be used in any instance where it would block the view of the observer.

Panel	7.95
Code	Wayside High Profile Display
Height	3/4" = 1'-0"



DG.6.10 DISPLAY

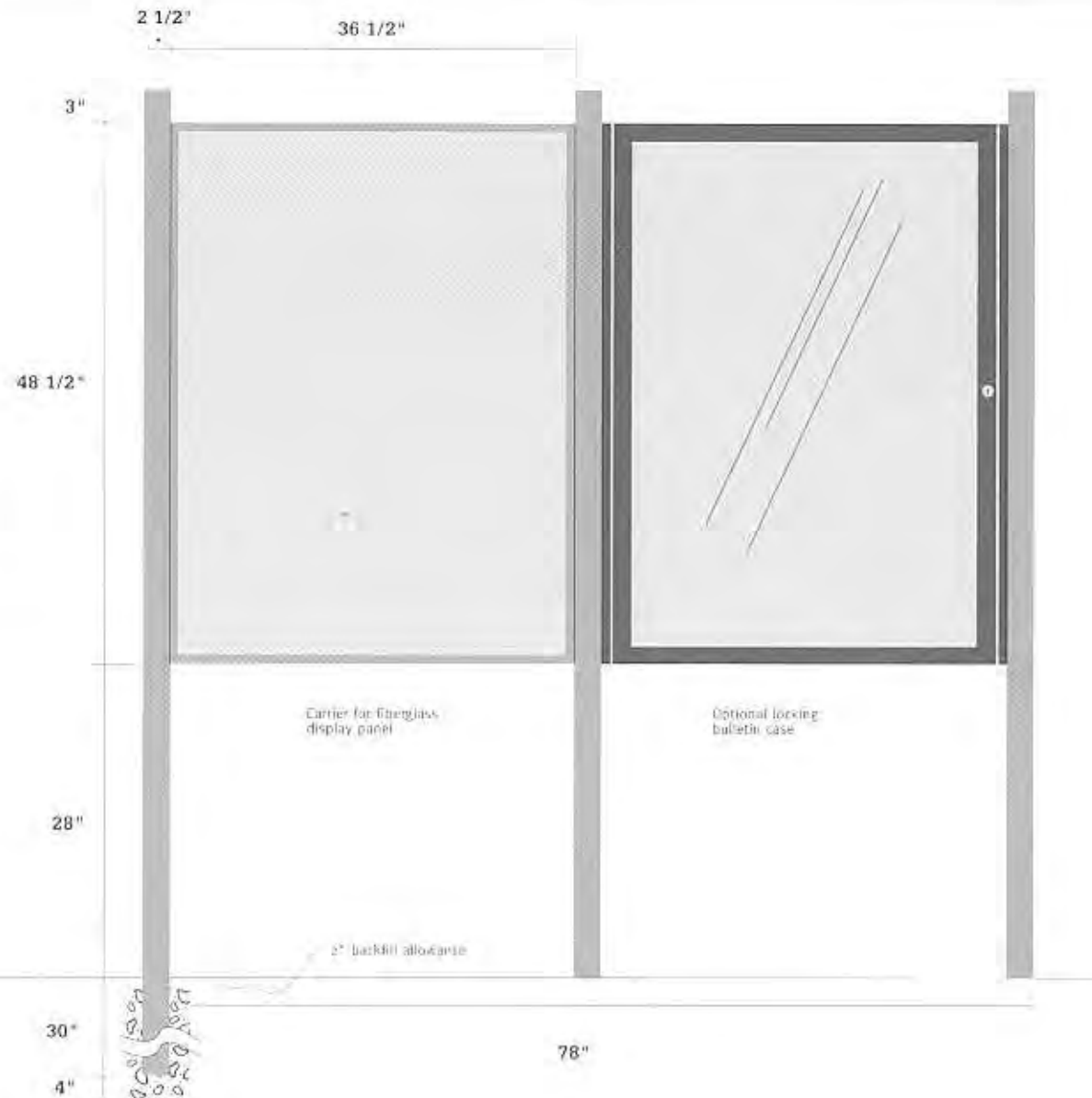
Angle option with  
bulletin case



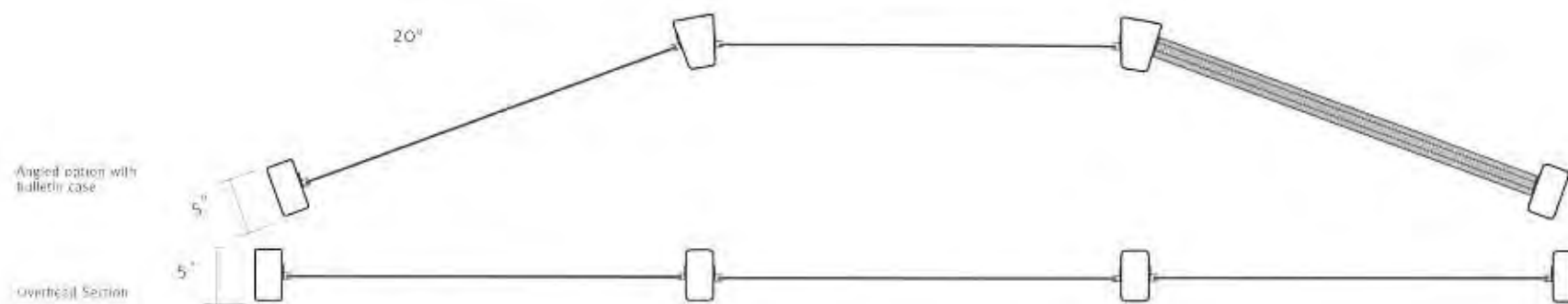
Overhead Section

Panel Details

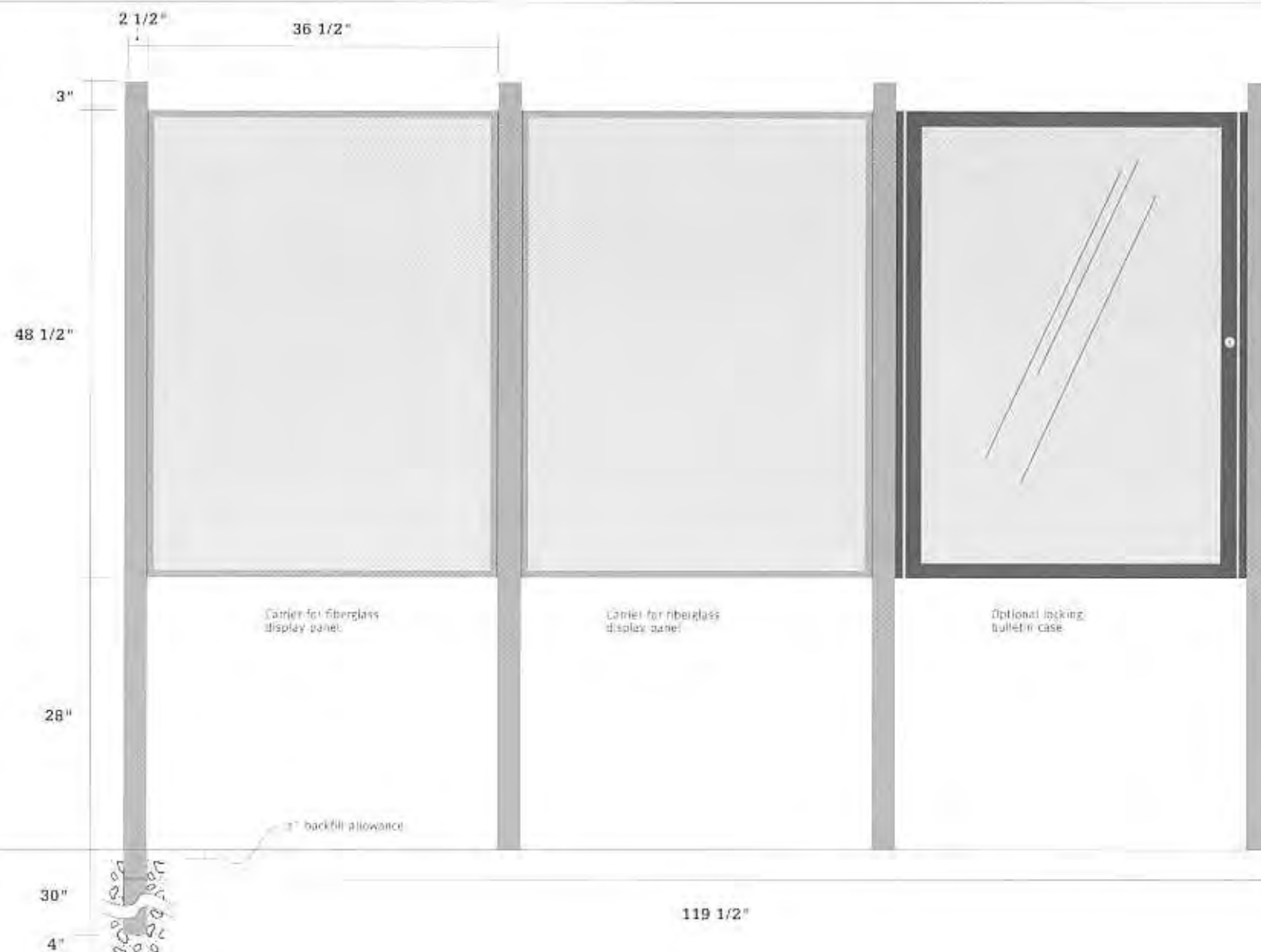
-Two panels can be interlocked in either a straight line or at an angle. One of the panels can also house a bulletin board.



Time	7.95
Title	Two-Panel High Profile Display
Scale	3/4" = 1'-0"



DG.6.11 DISPLAY



Panel Details

Here is a three panel option similar to the two panel option on the prior page.

Time	7.95
Title	Three-Panel High Profile Display
Scale	3/4" = 1'-0"

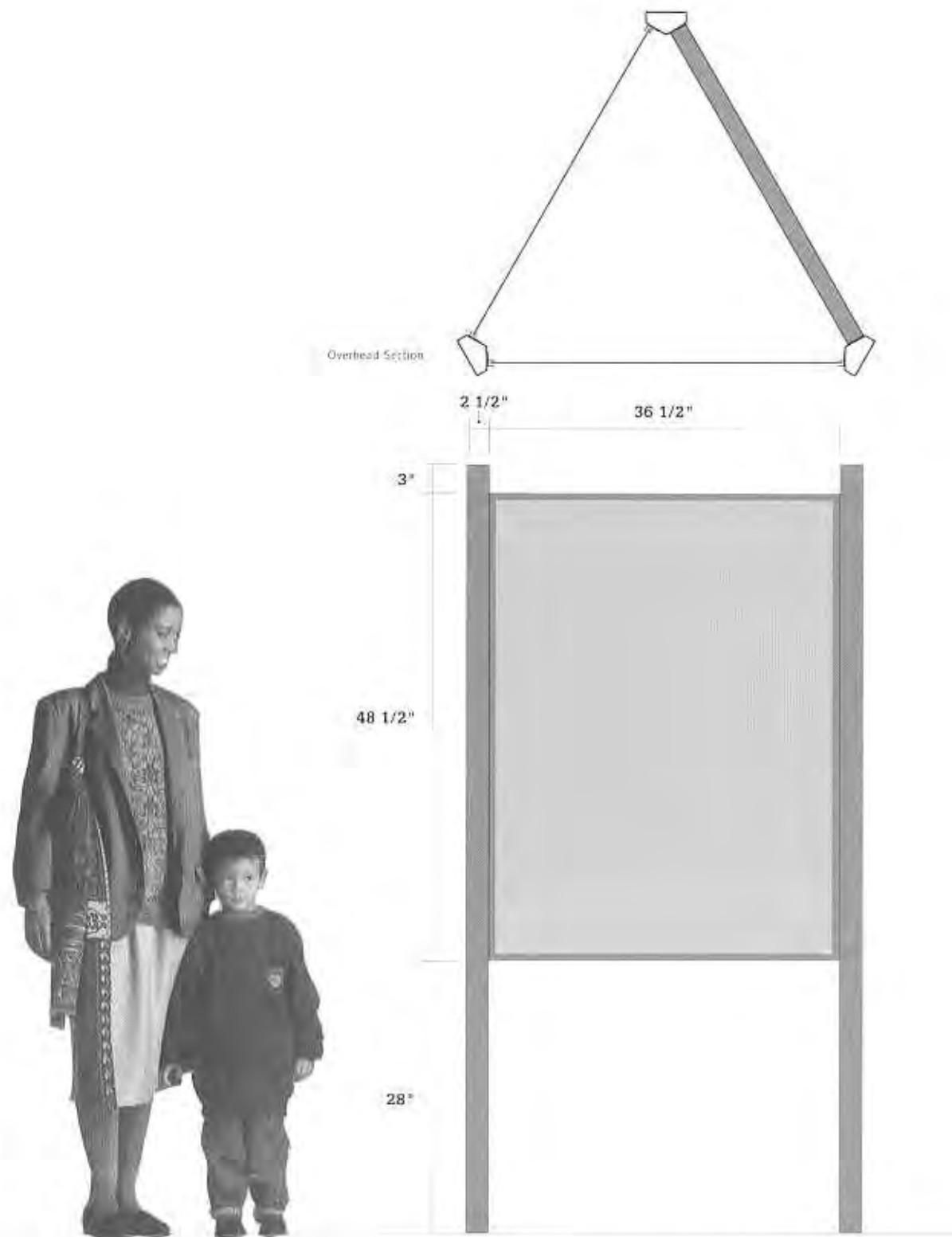


DG.6.12

DISPLAY

Panel Details

This three-sided kiosk can be used at key visitor locations to provide them with numerous graphics and some text to look at while waiting for something else. It can provide information in locations where staff are unavailable. They will also hold Corridor information at key locations.



Cost	7.95
Title	Wayside High Profile Kiosk
Scale	3/4" = 1'-0"



DG.6.13 DISPLAY

**Materials**

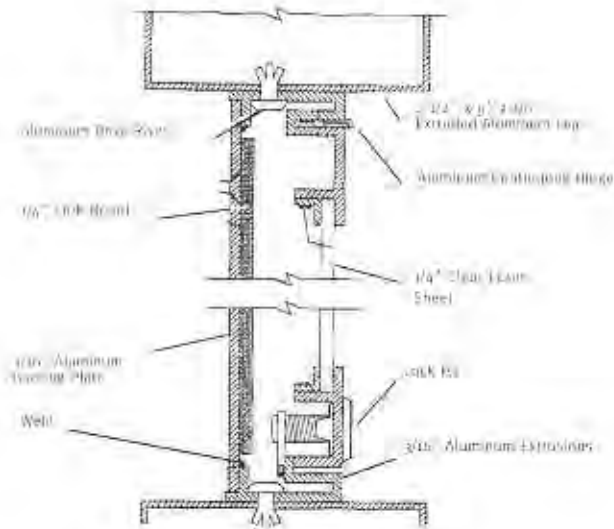
- shapes: 6063-T5 aluminum
- plates: 6061-T6, 5052-H2 aluminum

**Fabrication**

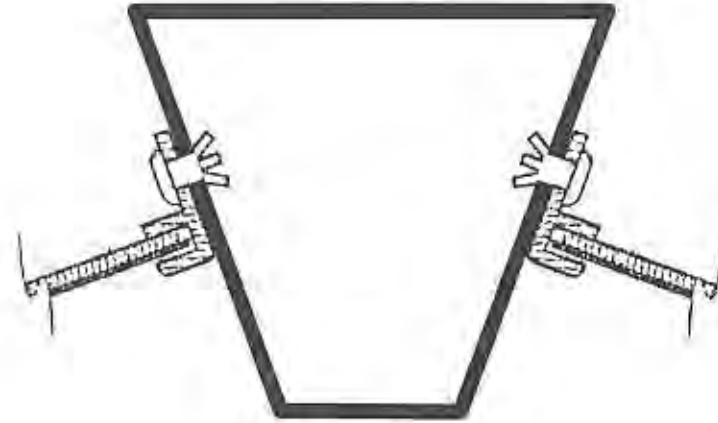
- all edges of molding extrusions and legs to be exposed to the public will have a uniform 1/16" radius.

**Color and Finish**

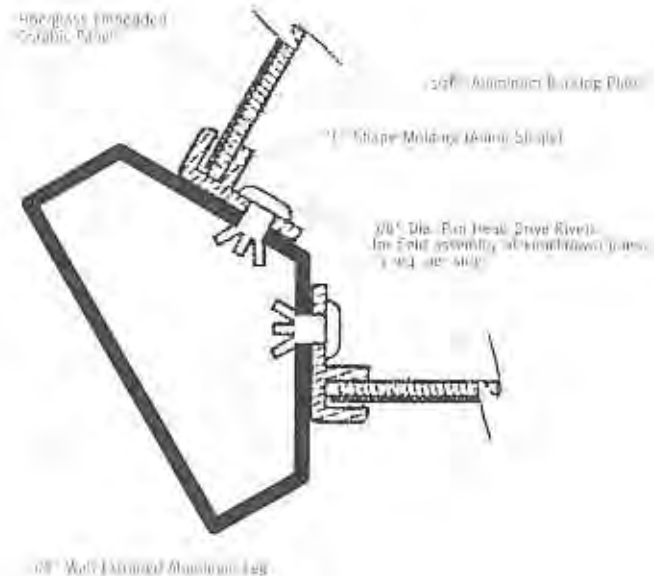
- sandblast all surfaces to receive paint.
- paint: two coats Pulane "1"
- color: P2-Matthews LS-63694



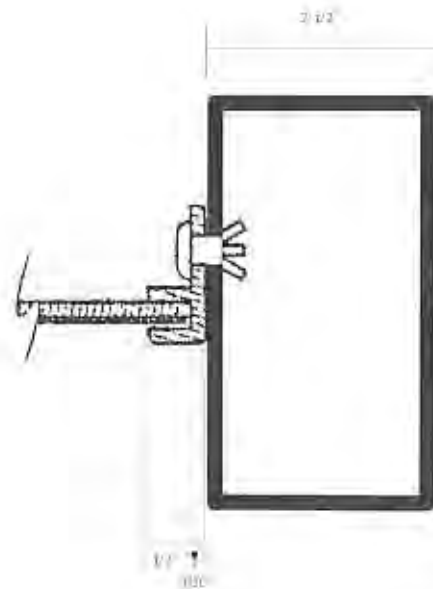
Optional Bulletin Case Section



20° Angle-Section

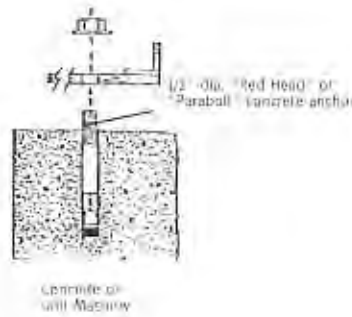
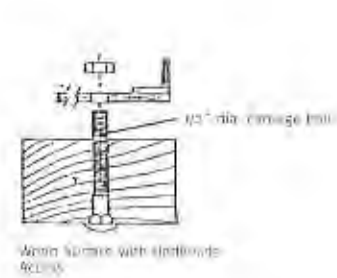
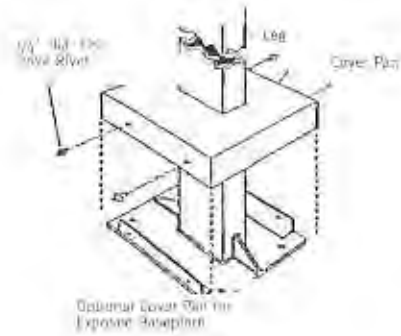


Kiosk Section

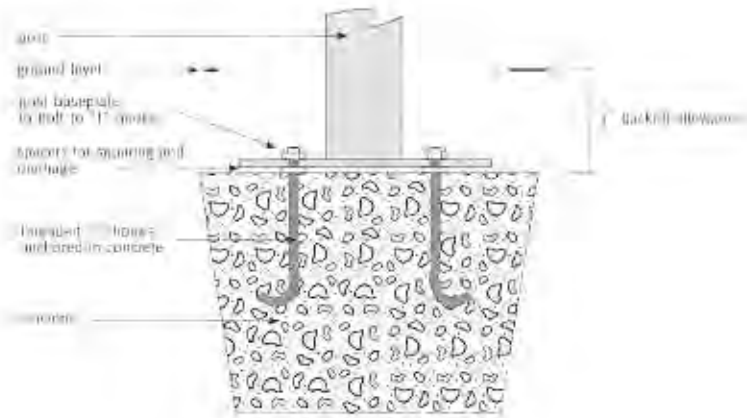


Panel/Leg Attachment Section

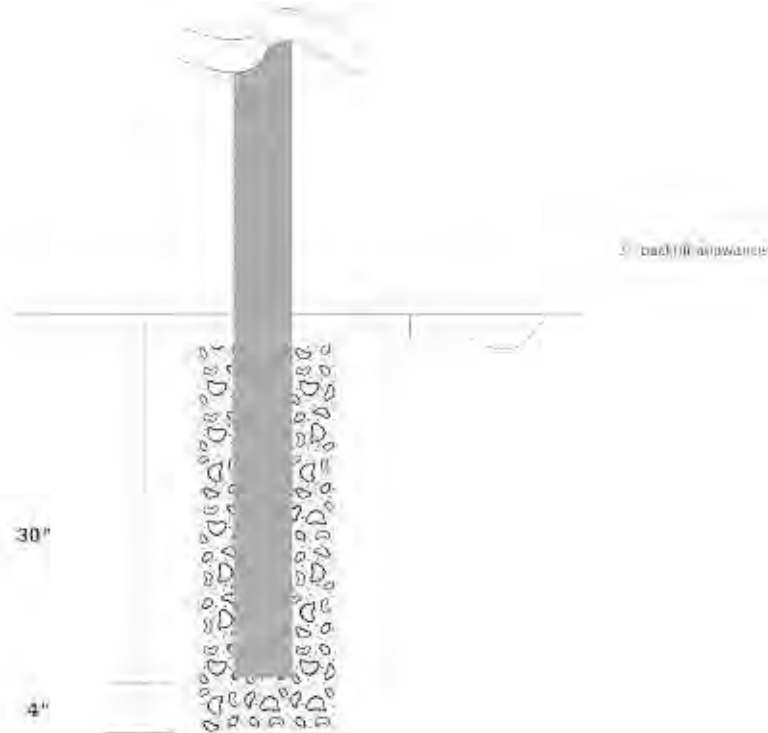
Scale:	7.95
Notes:	Wayside High Profile - Details
Author:	NTS



DG.6.14 DISPLAY



Optional Installation  
for Removable Signs



Standard Installation  
Concrete Embedment

Sheet	7.95
Title	Wayside Profile Signs - Footing Details
Scale	NTS





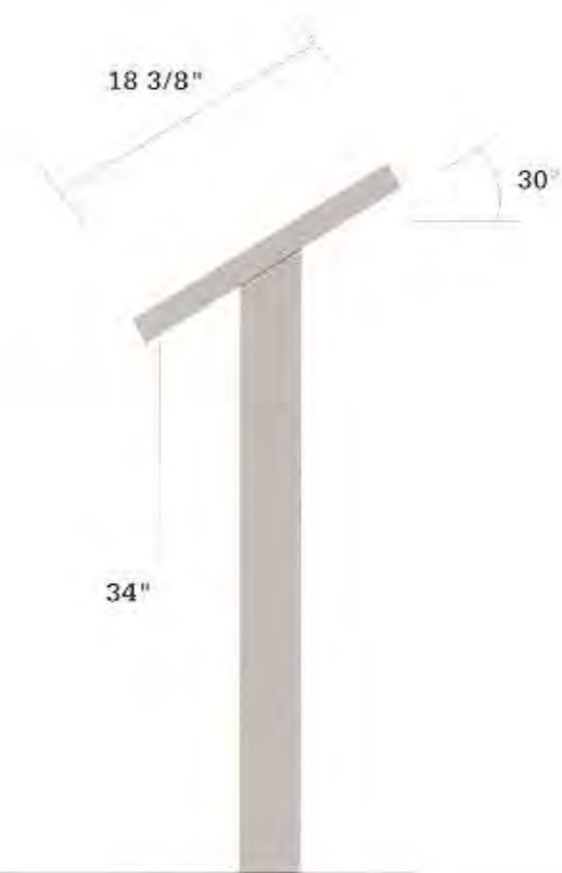
DELAWARE & LEHIGH  
NATIONAL HERITAGE CORRIDOR

DG.6.15

DISPLAY



24 3/8"



18 3/8"

30°

34"

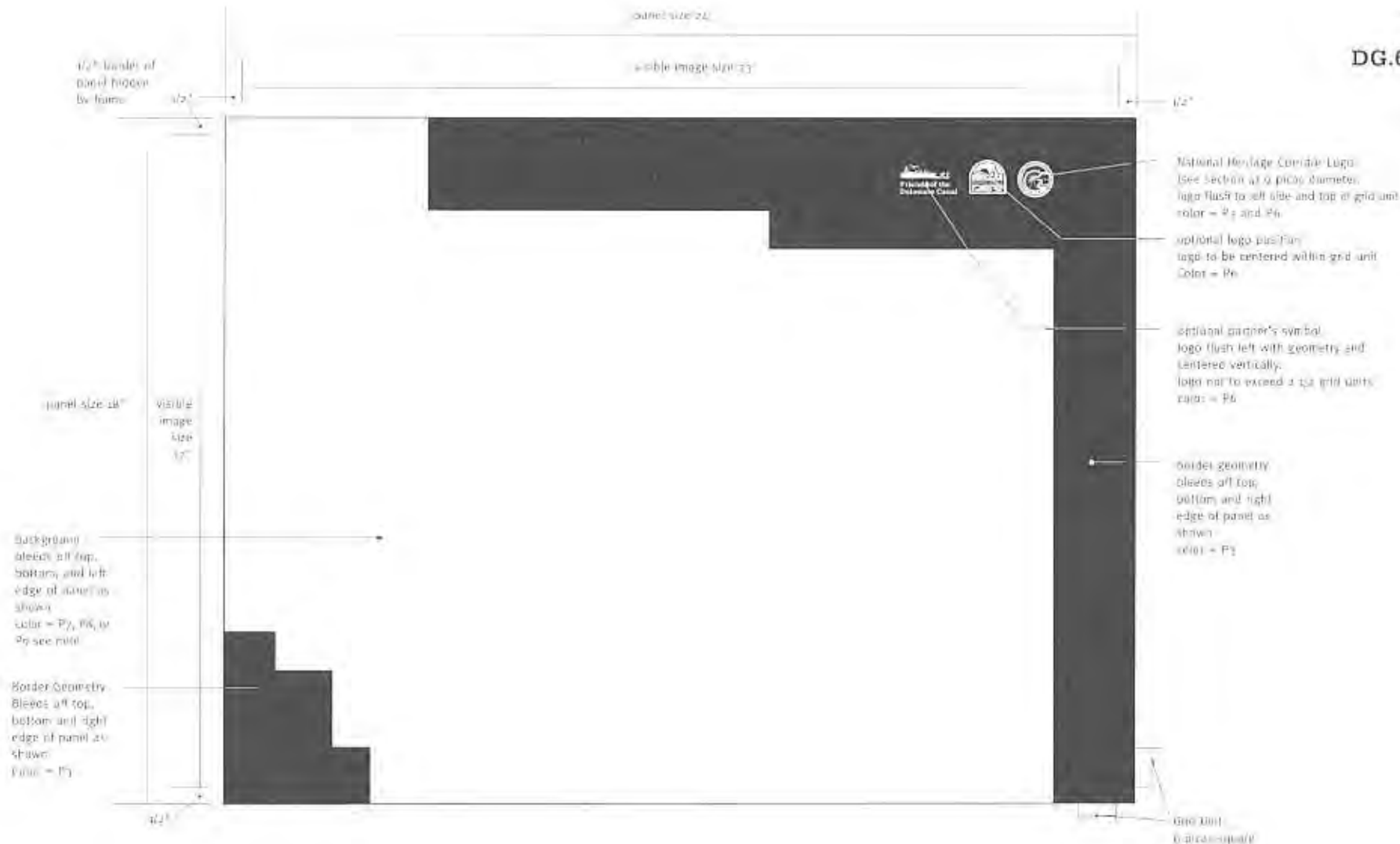
**Low Profile Panels**

These outdoor interpretive display panels are to be placed directly on location so the user can look at the information, graphics and the place, element or artifact.

Price	7.95
Title	Wayside Low Profile Panel
Scale	1" = 1'-0"



DG.6.16 DISPLAY



**Panel Details**

- panel size is 18" tall by 24" wide
- live image size is 17" tall by 23" wide
- grid unit is 6 picas square.
- client to select logos for optional logo positions
- all other elements on page are permanent design elements and may not be manipulated in any way.

**Color**

- P3 = PMS 208 - maroon
- P5 = PMS black
- P6 = white
- P7 = background 1 - PMS 5305
- P8 = background 2 - PMS 5503
- P9 = background 3 - PMS 4535

**Background Color**

- either P7, P8 or P9 may be used as a background color on the Low Profile panels.
- if three or more panels are displayed in the same vicinity then the background colors of the panels should be one of each of the three colors.
- the color of the headline text (see page DG.6.28) should always match the color chosen for the background of that panel.

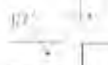
Panel	7.95
Panel	Wayside Low Profile Grid
Panel	3" = 1'-0"



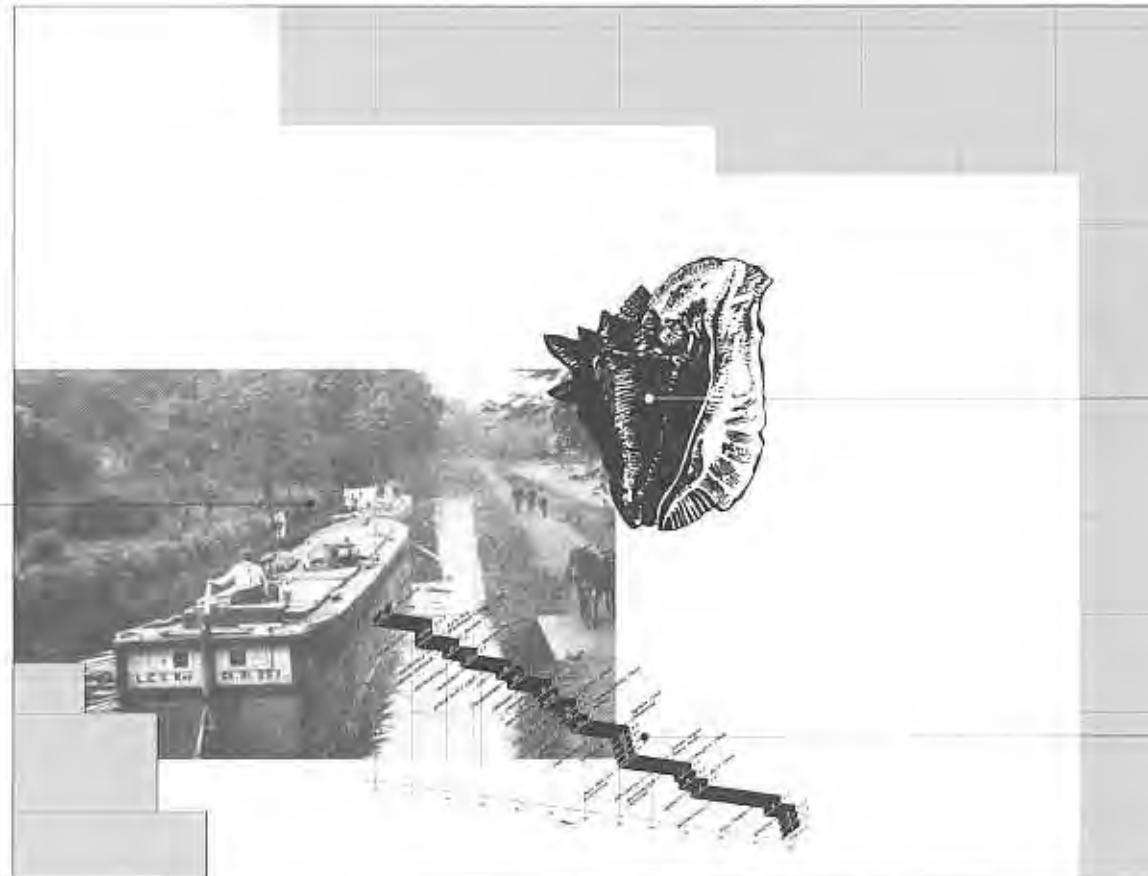
DG.6.17

DISPLAY

top border of panel hidden by frame



main photograph  
8 grid units tall, 12 grid units wide  
photograph must be flush left with border geometry and extend to the edge of the panel  
color = P3



engraved or line illustration reversed  
out of main photograph and background color  
image not to exceed 6 grid units square  
image may be rotated up to 20 degrees  
color = P6

silhouetted image  
image reverses out of main photograph and background color P3  
image area not to exceed that of the main photograph  
color = P3, P6, and P6

**Panel Details**

- all elements that extend to the edges of the image area must also bleed off of the panel
- all elements on the page are prototypical and must be approved by the client

**Images**

- all photographs and line art reverse out of background color
- traps and fits to be minimal in order to prevent white showing through

**Color**

- P3 = PMS 208 - maroon
- P5 = PMS black
- P6 = white
- P7 = background 1 - PMS 5305
- P8 = background 2 - PMS 5503
- P9 = background 3 - PMS 4535

Scale	7.95
Title	Wayside Low Profile Image
Scale	3" = 1'-0"



DG.6.18

DISPLAY

**headline**  
serif bold 80 points  
column width not to exceed 10 grid units or 64 picas  
type to reverse out of border  
element color P3  
color = P7, P8, or P9  
see note on page 646

**quote**  
serif italic 40/50 points  
column width 7 grid units or 42 picas  
quote text not to exceed 2 grid units vertically  
color = P3

**quote name**  
meta bold 24/30 points  
80 point linespace from last baseline of quote to first baseline of name  
color = P3  
name description  
meta normal 24/30 points  
color = P3

**caption for main photograph**  
serif normal 12/18 points  
column width 12 1/2 grid units or 72 1/2 picas  
column to be orientated on the half grid unit vertically  
caption may not exceed 2 lines  
caption to reverse out of border geometry  
color = P6

**caption for silhouetted image**  
serif normal 14/18 points  
column width 2 1/2 grid units or 15 picas  
column to be orientated on the half grid unit vertically  
caption may not exceed 2 lines and may be moved horizontally depending on the shape of the silhouetted image  
color = P3

**1/2" border of panel hidden by frame**

**1/2"**

**Delaware Canal**

*"Besides, I want to tell you there were pretty good times, and many a heart broken and rough life on the canal."*

**Flora Henry**  
Larkfield

**Article of "Delight" sets along the canal this of miles. Many of the farmers to get the canal built during the canal boom. It is a good thing that we do not say but begin along the side of the Delaware Canal.**

**Help to rebuild the canal from the ruins of the canal. It is a good thing that we do not say but begin along the side of the Delaware Canal.**

**The canal is a good thing, and it is a good thing that we do not say but begin along the side of the Delaware Canal.**

**There is a good thing about the canal, and it is a good thing that we do not say but begin along the side of the Delaware Canal.**

**1832-1931**

**main text**  
meta normal 18/24 points  
key words in text - Meta bold 20 point  
42 point linespace from baseline to baseline between paragraphs  
column width 6 grid units or 36 picas  
column gap to extend past 8 grid units vertically  
select a strong word from each paragraph or a few places within the text to set in meta bold  
color = P5

**dates**  
meta normal 14/18 points  
dates to reverse out of border geometry and background color  
color = P6

**An image like this should be placed at the end of the canal. It is a good thing that we do not say but begin along the side of the Delaware Canal.**

**There is a good thing about the canal, and it is a good thing that we do not say but begin along the side of the Delaware Canal.**

**Panel Details**

-All elements on the page are prototypical and must be approved by client

**Type**

- no substitute typefaces will be accepted
- normal kerning
- all type flush left, rag right
- rag tolerance to be kept within 1-2 picas with minimum hyphenation
- type is specified as type size/leading
- all type to overprint unless specified as reversed or P6

**Color**


- P3 = PMS 208 - maroon
- P5 = PMS black
- P6 = white
- P7 = background 1 - PMS 5305
- P8 = background 2 - PMS 5503
- P9 = background 3 - PMS 4535

Year	7.95
Title	Wayside Low Profile Text
Scale	3" = 1'-0"




DG.6.19 DISPLAY

# Delaware Canal



*"Besides, I want to tell you, there were pretty good times, and many a heart broken and rough life on the canal."*

**Flora Henry**  
Locktender



1832-1931

Boats of "flat-top" were used to haul logs of white pine or oak timber to get the canal back running. The sound of water over "logs" was felt by many as soothing music. In 1920, after 88 years, the canal began along the sixty-mile-long Delaware Canal.

As the steadily increasing extraction of coal from the mines of northeastern Pennsylvania to the cities along the eastern seaboard, the Canal was modernized in 1890. Twenty-foot locks (water elevations gradually raised or lowered that lock) are kept between locks and locks.

The canal followed its construction, along with other steps and structures between Schuylkill and Canal boat locks, aqueducts and lock boat systems.

Powerful spinning wheel systems lift the canal water. In 1914, the old Upper Canal and Navigation Company was reformed to run. This historic waterway is now preserved for future generations as the Delaware Canal State Park.

An empty boat being used to transfer and anchor load of coal. It is gone up to every boat before being loaded again.

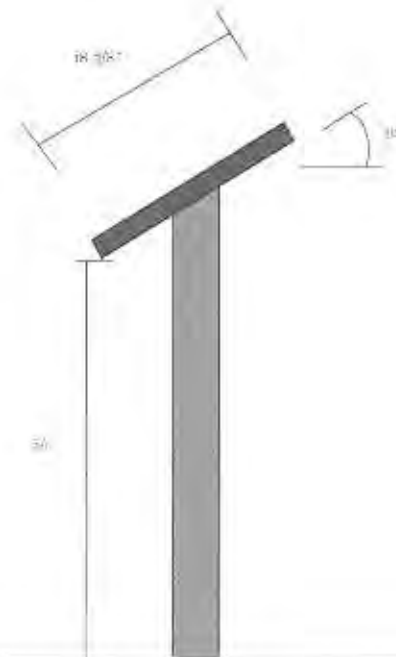
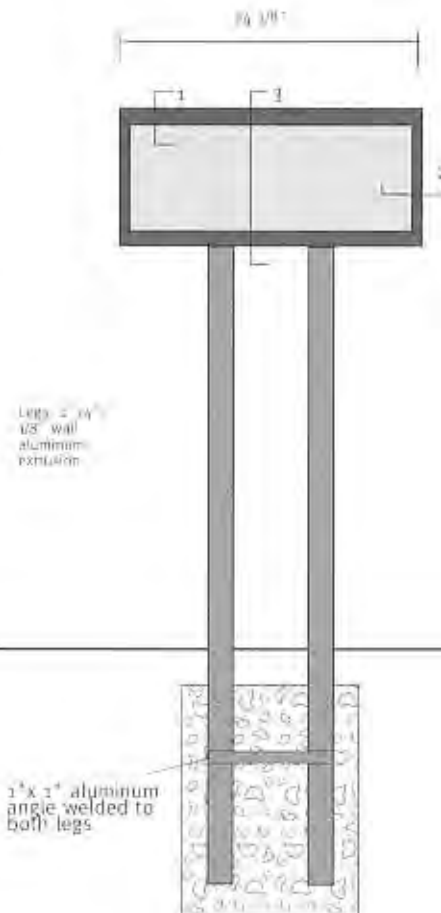
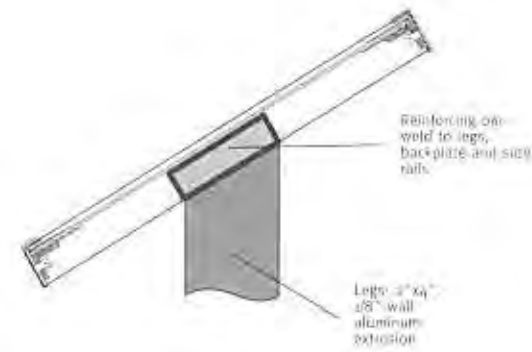
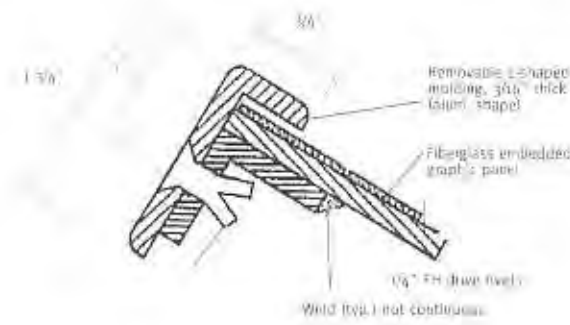
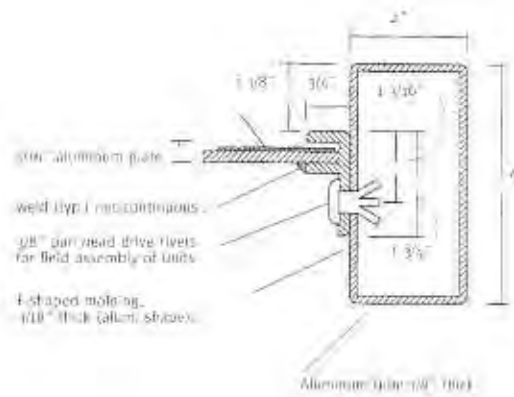
Entrance of the canal, equipped with the locks.

Panel	7.95
Color	Wayside Low Profile Example Panel
Scale	3" = 1'-0"



DG.6.20

DISPLAY



**Description**

-this is the fabrication information on the bases holding 18"x24" panels.

**Materials**

-shapes: 6063-T5 aluminum  
-plates: 6061-T6, 5052-H2 aluminum

**Fabrication**

-all edges of molding extrusions and legs to be exposed to the public will have a uniform 1/16" radius.

**Color and Finish**

-sandblast all surfaces to receive paint.  
-paint: Two coats Polane "T"  
-color: P2/ Matthews LS-63694

7.95

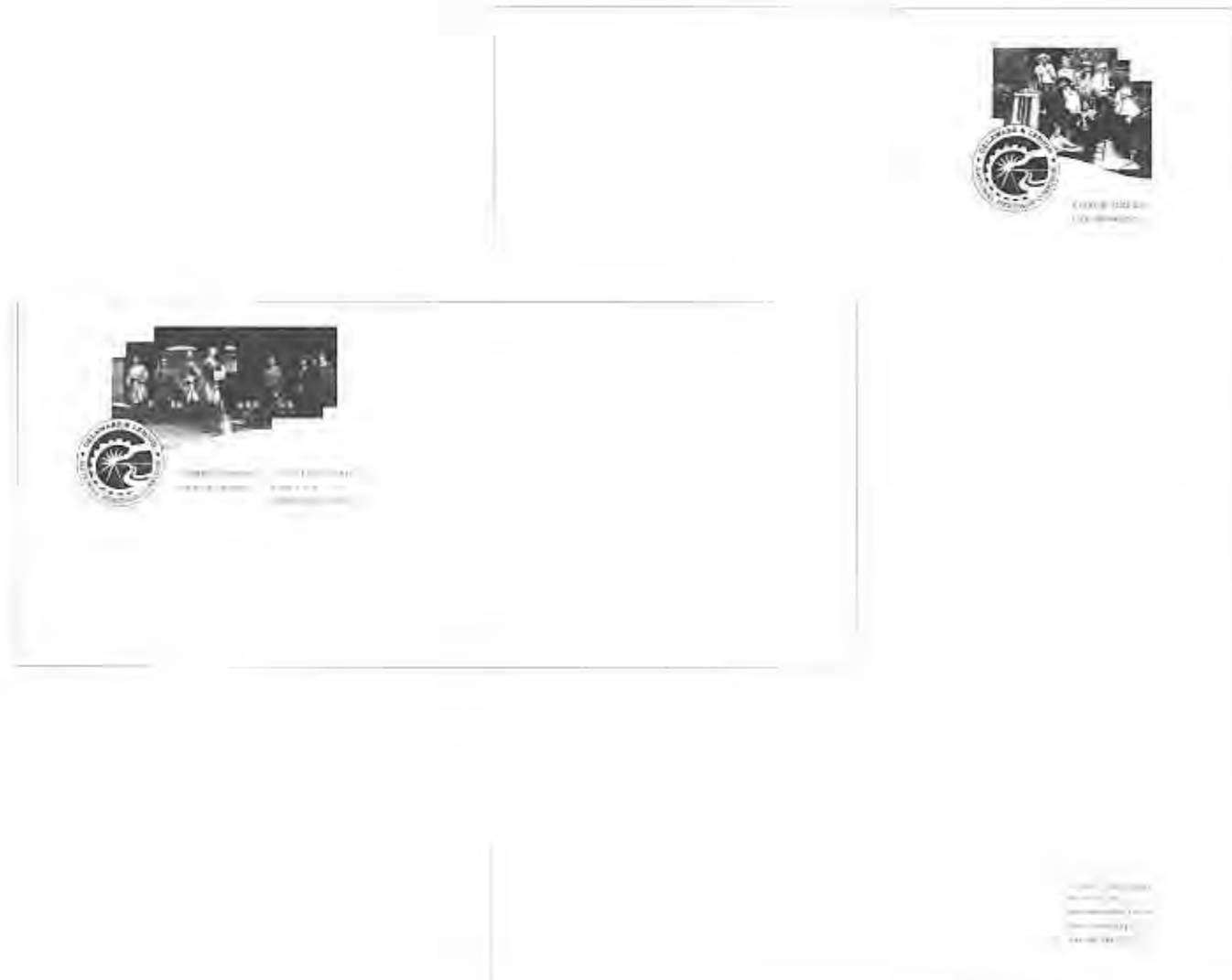
Wayside Low Profile Details

3/4" = 1'-0"



SCHEDULE OF PRINT STANDARDS

Type/Description		Drawing Number
<b>Stationery</b>	Letterhead, business card, and envelope design	<b>PG.7.02</b>
<b>Activity Theme Brochure</b>	Description	<b>PG.7.03</b>
<b>Site Brochure</b>	Description	<b>PG.7.07</b>
<b>Corridor Brochure</b>	Description	<b>PG.7.11</b>
<b>Corridor/Reach Maps on Pads</b>	Description	<b>PG.7.16</b>



**Paper Specification**

- 100% recycled Benefil from Champion International
- paper color - oyster
- letterhead and envelope - 70 lb. text
- business card - 80 lb. cover
- envelope to have square flap back

**Color**

- logo - P3 - PMS 208 U
- text - P5 - black
- photograph - duotone
- shoot full range halftone to print P5 - black
- shoot secondary halftone for shadow areas only to print P3 - PMS 208 U

7.95

Stationery

50% Full Size





MG.8.01

M A P

M A P S C H E D U L E

Type/Description

Drawing Number

**Specifications**

Types, applications and nomenclature

MG.8.02



9.01

STANDARDS

PERFORMANCE REQUIREMENTS

Type/Description	Drawing Number
<b>Specifications</b>	
Performance requirements	9.02
Color Schedule	9.10



PERFORMANCE REQUIREMENTS

Item	Description
1.01	<p data-bbox="718 609 864 641"><b>Submittals</b></p> <p data-bbox="1064 609 1290 641"><b>A Requirements</b></p> <ol data-bbox="1064 665 1928 933" style="list-style-type: none"><li>1 Schedule shop drawings, product data and sample submittals for interrelated items at the same time.</li><li>2 The Commission may hold drawings, product data and samples in cases where a partial submittal cannot be reviewed until associated items have been received.</li><li>3 Allocate not less than two weeks, plus mailing time, for processing by the Commission and/or client.</li></ol> <p data-bbox="1064 990 1290 1023"><b>B Shop drawings</b></p> <ol data-bbox="1064 1047 2021 1550" style="list-style-type: none"><li>1 Submit shop drawings as outlined below. Refer to Commission for quantities required.</li><li>2 Include plans, elevations, sections and large scale details of sign wording and lettering layout. Show anchorages and accessory items.</li><li>3 Show fabrication and installation details, including all sign components such as extrusions, brackets, bracing, hardware, internal framing, foundations, etc.</li><li>4 For exterior illuminated sign types: shop drawings shall also include the following:<ol data-bbox="1197 1404 2021 1550" style="list-style-type: none"><li>a. Fixture type and UL registration number.</li><li>b. Fixture and lamp/ballast wattage.</li><li>c. Fixture and lamp wattage.</li><li>d. Complete photometric data.</li><li>e. Wiring diagrams, including connection to building power supply.</li></ol></li></ol>



PERFORMANCE REQUIREMENTS

Item	Description
1.01	<p data-bbox="712 613 861 641"><b>Submittals</b> <small>00570291</small></p> <p data-bbox="1066 613 1292 641"><b>B Shop drawings</b></p> <p data-bbox="1066 675 1909 732">5 Provide engineering data to confirm viability of signs and supports, including structural stability of all signs and attachments.</p> <p data-bbox="1066 786 1439 813"><b>C Subcontractor qualifications</b></p> <p data-bbox="1066 847 1957 932">1 Submit four (4) copies of credentials for any subcontractor selected to execute any portion of this contract, including personnel qualifications, company references and equipment being employed.</p> <p data-bbox="1066 992 1212 1019"><b>D Samples</b></p> <p data-bbox="1066 1053 1598 1081">1 Submit four (4) of each sample required.</p> <p data-bbox="1066 1115 1971 1200">2 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.</p> <p data-bbox="1066 1234 1944 1291">3 Samples shall be labeled on the back, designating item number, name of manufacturer, sign type and location if appropriate.</p> <p data-bbox="1066 1325 1473 1352">4. Submit the following samples:</p> <ul data-bbox="1191 1386 1976 1554" style="list-style-type: none"><li data-bbox="1191 1386 1976 1443">a. Alphabet of each typestyle required by the contract documents; upper and lower case, with numerals, punctuation and accents.</li><li data-bbox="1191 1461 1976 1554">b. Complete a typical sign message in each of the typefaces specified in the contract to demonstrate interletter, interword and interline spacing.</li></ul>



PERFORMANCE REQUIREMENTS

Item	Description
1.01 Submittals	<p>D <b>Samples</b></p> <ul style="list-style-type: none"><li>c. Each material required for fabrication of each sign type with finishes as specified, including extrusions and hardware.</li><li>d. Color samples (minimum size 5x5 inches)</li><li>e. Halftone sample (minimum size 5x5 inches)</li><li>f. Samples should represent extreme variations in color and texture that might occur during fabrication.</li></ul> <p>E <b>Maintenance</b></p> <ul style="list-style-type: none"><li>1. Submit four (4) copies of all manufacturer's recommendations for a maintenance schedule and program for all items.</li><li>2. The instructions shall cover cleaning, repair and maintenance of signs, including data on cleaning solutions or methods of application which should be avoided.</li></ul>
1.02 Delivery	<p>A Package separately or in like groups labeled as to contents. Include installation hardware, adhesives and installation instructions; include a reasonable array of alternate materials to be able to respond effectively to varying field conditions.</p>
1.03 Protection	<p>A Store and protect assemblies from injury at the shop, in transit to the job and until erected in place, completed, inspected and accepted.</p>



PERFORMANCE REQUIREMENTS

Item	Description
<b>1.04 Inspection</b>	<p>A Materials, colors and fabricated or partially fabricated items shall be available for inspection at the factory or elsewhere, by the Commissioners and/or client 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.</p> <p>B Approval prior to the time of final acceptance shall not preclude rejection of delivered items which do not satisfy these specifications.</p>
<b>1.05 Reordering</b>	<p>A All items specified herein shall be available to the owner in additional quantities for a period of ten (10) years after completion of all work called for in this specification.</p>
<b>1.06 Warranty</b>	<p>A Warrant all products (including, but not limited to, materials, hardware and finishes) against any and all defects for a period of ten (10) years from date of installation.</p> <p>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 owner's satisfaction.</p> <p>C Vinyl die-cut letters shall be warranted for seven (7) years against delamination from substrate.</p> <p>D Paint finishes shall be warranted for seven (7) years against chalking, fading, bubbling, crazing, rusting or other disintegration of sign posts, sign faces, all edges and all message there applied.</p>



PERFORMANCE REQUIREMENTS

Item	Description
1.06 <i>Warranty</i>	E <ol style="list-style-type: none"><li>1. Bubbling, crazing, chalking, rusting or other breakdown of the sign face, messages or edge finish of the sign inserts or panel.</li><li>2. Corrosion developing beneath paint surfaces of the support systems (except when it is the result of obvious vandalism or other external damage to the paint surfaces).</li><li>3. Corrosion of fastenings.</li><li>4. The signs not remaining true and plumb on their supports.</li><li>5. Fading of the colors when matched against a sample of the original color and material.</li><li>6. Discoloration of metal finishes.</li><li>7. Uneven or blotchy paint or finish application.</li></ol>
1.07 <b>Alternative Fabrication</b>	A The drawings show design intent only. The fabricator is responsible for fabrication and overall quality. Changes in design, materials, fabrication techniques or details necessary to the successful completion of this project should be communicated to the owner in a timely fashion.  B The owner 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 owner provided they are submitted in sketch form as soon as possible prior to shop drawings.
1.08 <b>Artwork</b>	A The contractor is responsible for preparation of all artwork (including but not limited to type, arrows, imagery, drawings, photographs, symbols) necessary beyond that provided with contract award. Quality of artwork for finished signs shall be the responsibility of the contractor. The owner's representative retains the right to reject artwork if it fails to meet the standard of quality established.



PERFORMANCE REQUIREMENTS

Item	Description
1.08	<p data-bbox="720 618 835 670"><b>Artwork</b> <small>continued</small></p> <p data-bbox="1066 618 1909 735">B Symbol 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:</p> <p data-bbox="1191 769 1643 886">The American Institute of Graphic Arts 1059 Third Avenue New York, NY 10021 212.752.0813</p> <p data-bbox="1173 889 1207 911">or</p> <p data-bbox="1234 915 1723 1032">Society for Environmental Graphic Design 1 Story Street Cambridge, MA 02138 617.868.3381</p> <p data-bbox="1066 1065 1909 1117">C Arrows on all signs shall use the camera ready artwork or digitized computer compatible arrow files available through the owner.</p> <p data-bbox="1066 1151 1909 1203">D All halftones should be shot at 85 lines per inch or higher to retain clarity.</p> <p data-bbox="1066 1237 1909 1289">E Traps in silkscreen work to be kept to a minimum. Traps should be no greater than 1/16" in any direction.</p>
1.09	<p data-bbox="720 1354 835 1380"><b>Materials</b></p> <p data-bbox="1066 1354 1909 1562">A Paint for aluminum and photo-etched polymer components: shall be Matthews Acrylic Polyurethane, an 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 pretreat at .25 mils DFT or one coat 74-793 spray bond at .15 to .25 mils DFT and one coat Matthews Acrylic Polyurethane 1.25 mils DFT.</p>





PERFORMANCE REQUIREMENTS

	Item	Description
1.09	<b>Materials</b> <i>aluminum</i>	<p>Coating to protect aluminum by uniformly penetrating, filling and sealing surface pores. Coating should provide a 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 predrilled in proper locations before any priming, painting or coating processes. Aluminum should have consistency of color and finish throughout project.</p> <p>B Pressure sensitive legends and letters use "Scotchlite" brand reflective sheeting manufactured by 3M. Thickness: .003 inch minimum, .006 inch maximum. Material shall consist of transparent plastic having a smooth, flat outer surface embedded with spherical lens elements.</p> <p>C Silkscreen inks: formulate epoxy silkscreen inks for surfaces on which they will be used. Add catalytic or bonding agents as necessary to maximize adherence and vandal resistance.</p> <p>D Silkscreen inks to have maximum opacity and to use UV inhibitors.</p>
1.10	<b>Fabrication</b>	<p>A Report any discrepancies between drawings, specifications and owner requirements and request direction from owner before proceeding.</p> <p>B Verify measurements in field as required for work fabricated to fit job conditions. Before starting work, examine adjoining work on which work in this contract is in anyway dependent for workmanship and fit. Report any problems or difficulties to owner.</p> <p>C Make work in ample time not to delay job progress and deliver to job at such time as required for proper coordination</p>



PERFORMANCE REQUIREMENTS

	Item	Description
1.10	<b>Fabrication</b> <i>continues</i>	<p>0 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 with appropriate tools but not readily removed or tampered with by unauthorized personnel.</p> <p>It is desirable for the fabricator to produce additional silkscreen sheets (in excess of required order) for future embedment. Client to specify.</p>



9.10

COLOR

No.	Color	Pantone	Matthews
P1	Dark Maroon	—	LS-52894
P2	Light Green	—	LS-63694
P3	Light Maroon	PMS 208	
P4	Dark Green	PMS 5615	Not in use at this time
P5	Black	PMS Black C	
P6	White		
P7	Blue	PMS 5305	
P8	Brown	PMS 5503	
P9	Tan	PMS 4535	

To request color swatches, contact:

**Pantone**

-201-935-5500, 201-896-0242 (fax)

-Pantone colors are specified for use in printing and silkscreen application

**Matthews Paint Company**

-800-323-6593, 414-947-0444 (fax)

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

Delaware & Lehigh  
National Heritage Corridor  
10 East Church Street  
Room P-208  
Bethlehem PA 18018

Tel: 610.861.9345  
Fax: 610.861.9347