FINAL REVIEW

Village of Mamaroneck, NY

wayfinding assessment

December 18, 2015

Village of Mamaroneck, New York

merje

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EXISTING CONDITIONS & AREA ASSESSMENT

section 1
introduction

objectives & philosophy

The Village's wayfinding program shall provide consistent and attractive information to assist the traveling public to navigate efficiently to key destinations within the Village. To achieve this, the planning process identifies the following philosophy, goals and principles.

OBJECTIVES:

To create and implement a user-friendly and visible navigational system that will guide visitors and residents to and from the Village of Mamaroneck destinations.

To market Mamaroneck assets, including entertainment, cultural, historical, outdoor and other venues and activities.

To support unified messaging for The Village that can be reflected in the Wayfinding signage and carried throughout other aspects of the Village's marketing efforts.

To enhance the success and market potential for arts, entertainment, outdoor recreation, and other tourist sectors that build on core Mamaroneck assets.

To help direct visitors to Downtown from the Village's major arteries.

To make a pedestrian connection from transit to the shopping corridor and Harbor Island Park.

Promote parking lots with a cohesive system.

Enhance Mamaroneck Ave through banners and signage as a retail district, as well as potential for future districts.

PHILOSOPHY:

Create an identity

- Provide visitors and residents with a sense of place and enhanced environment.
- Create a great first impression–of a Village that is well planned, organized, friendly, safe and caring.

Market the Assets of the Village of Mamaroneck

- Aid visitors in discovering "the little jewels."
- Validate that a destination is worth visiting.

Build Relationships

- Promote teamwork among the participants to reach the goal.
- Build consensus to aid the approval process.
- Address the different criteria presented by each destination.

Wayfinding Principles

The following wayfinding principles have guided our process and recommendations:

1. The system is intended for first time visitors and residents alike.
2. First impressions and perception play an active role in determining the best route of travel.
3. The best route may not be the shortest or quickest.
4. Terminology must be kept short and easily understood by a visitor.
5. Direct to the "front door" of a destination.
6. Departure routes are equally as important as arrival routes.
7. Promote economic development and the assets of the Village of Mamaroneck by making connections between destinations.


1932
Seely's
"Skinny House"

section 2
wayfinding tools


SIGNAGE
Interpretive
Banners
Pedestrian Signs
Vehicular Signs
Parking
PRE-ARRIVAL TECHNOLOGY
Google Maps
City Website
Tourism Website
Attractions Website
Parking Website
PLACE TECHNOLOGY
Mobile Apps
GPS Devices
Pedestrian Kiosks
QR Codes
ENVIRONMENT/SPACES
Destinations
Riverfront
Landmarks
Paths and Nodes
Landscape / Streetscape
SUPPORT INFORMATION
Street Elements
Maps
Visitor Guides
Brochures
Bus Shelters
Rose Hill Manor Park
Hood College

wayfinding tools

Village Website

Wayfinding programs can reinforce a sense of place and promote the Village as an environment that is easy to navigate. The program will provide first-time and frequent visitors with clear and consistent information.

This Wayfinding Assessment considers a variety of wayfinding tools: landscaping, lighting, street furniture, landmarks, gateway elements, signage, mapping, banners and public art, as well as related issues such as sustainability and integration of technology.

PRE-ARRIVAL TECHNOLOGY

In addition to the standard Village website, there can be either a stand-alone or internal link to a wayfinding map. The wayfinding map can appear on the Village website. Alternately, the information can be presented as a separate site to be managed and hosted by the Village.

A tourism / wayfinding interactive map allows for a deeper inclusion of attractions and businesses into the overall wayfinding program. The accessibility and ease of a map and its maintenance broadens the level of inclusion, compared to the cost, code restrictions, and clutter issues associated with a signage program.

The look and feel of the interactive map should reflect the overall identity of the Village wayfinding program.

PRIORITY 1 Update Village website to appeal to visitors as well as residents. It can include an interactive map with destinations and amenities. This can also be translated into a mobile app.

PRIORITY 2 Incorporate push technology at large pedestrian gathering points i.e. MTA Transit Station & Harbor Island Park.

wayfinding tools cont.

END-USER TECHNOLOGY

This is the utilization of technology where information is communicated to users through the visitor's device (smartphone, iPad or computer). This concept does not require the Village to invest in hardware or infrastructure and eliminates issues of vandalism, theft, etc. The only investment is in development and ongoing maintenance. End-user technology can include elements such as text message maps, mobile apps and the use of QR codes. Stand-alone kiosks and hubs can also be utilized.

iBeacon Use:

iBeacon helps smart phones determine their approximate location or context. With the help of an iBeacon, a smartphone's software can approximately find its relative location to an iBeacon in an area. iBeacons can send a nearby smartphone notifications about special events, coupons for admission deals, general information about a destination's hours and interpretive information as well. iBeacon technology works using the Bluetooth Low Energy (BLE) technology, also known as Bluetooth Smart.

ENVIRONMENT

Landmarks are used everyday to provide direction; it can be as simple as "Make a left at the yellow building" or as common as "Meet me at the Park."

In addition to providing directions, landmarks are also helpful for establishing a person's orientation, especially in an exterior environment, where architectural features, landscaping and physical elements help to position us in unfamiliar territory.

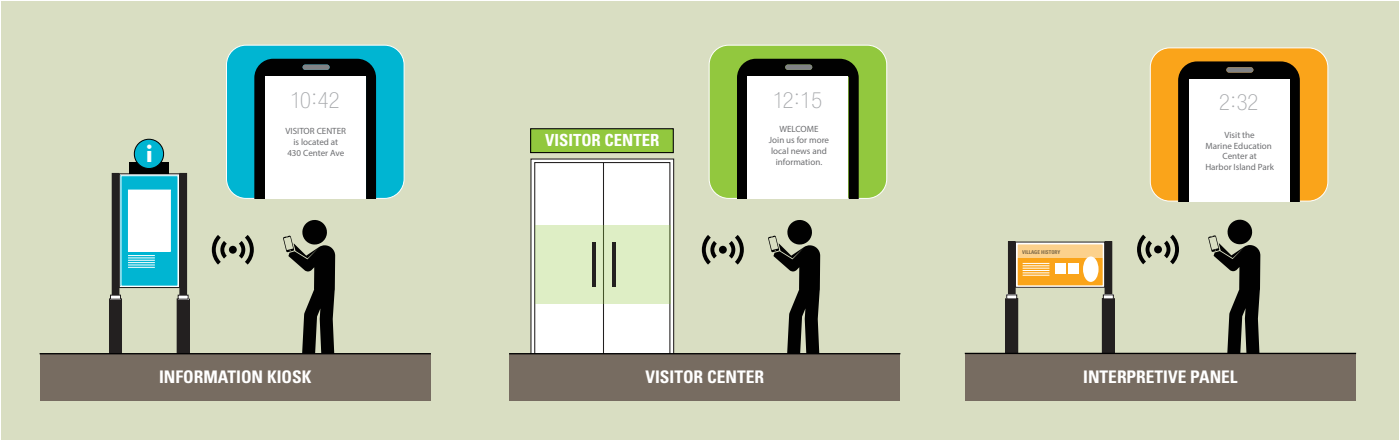
SUPPORT INFORMATION

Whether information is communicated through technology, printed advertisements or a friendly face at the visitors bureau, each element effects the experience of a visitor and offers the opportunity to communicate a consistent message, graphic language and helpful customer service.

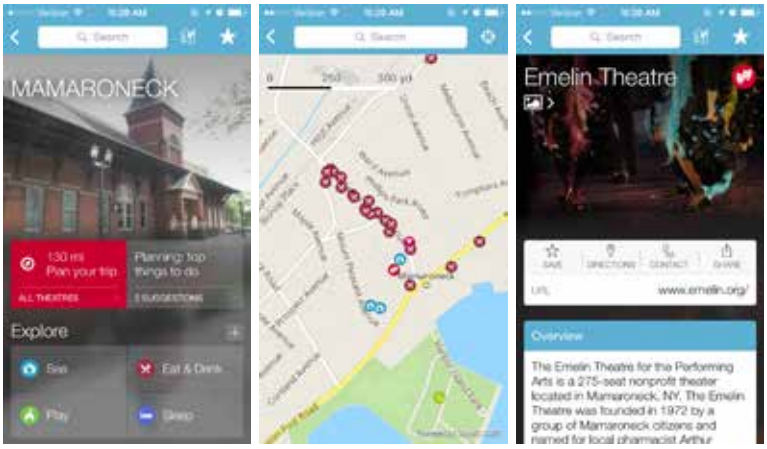
SIGNAGE

A Village-wide or downtown banner program can market non-profit groups, promote events, identify shopping streets or assure visitors that they are traveling down the correct corridor toward their destination. A coordinated banner program requires consistent design standards, material specifications and management process.

iBeacon Technology



Examples of Mobile App Engagement



Mamaroneck, New York Travel Guide App by Triposo

Good examples of consistency in an orientation mapping system

Fredericksburg
IN THE TEXAS HILL COUNTRY

Fredericksburg Logo

Fredericksburg TX regional map

Fredericksburg TX shopping/dining map

Village of Mamaroneck Downtown Landmarks

Gateway graphics - Frederick, MD

Gateway graphics - Towson, MD

Gateway graphics - Frederick, MD

Gateway graphic examples in various public parking garages

public parking gateway opportunities

DECK GATEWAYS

The public parking decks & lots in the Village of Mamaroneck are gateways to the village for the visitor arriving by car. The stairwells and exits are the first thing a visitor passes on their way to their destination. These opportunities in the decks for welcoming messages, include the potential for providing additional information via kiosks, maps or signage.

PARKING LOT GATEWAYS

Exits from parking lots adjacent to village sidewalks are the first thing visitors pass on their way to their destination, and are excellent gateway opportunities. These are opportunities for kiosks or maps providing orientation, or additional information.

These elements can highlight:

- The history of Mamaroneck
- Information centers
- Village attractions
- The public transit systems
- Shopping areas
- Adjacent neighborhoods
- Surrounding communities, regional context

PRIORITY 1

Upgrade parking deck signage to a more cohesive system. Locate pedestrian kiosks at major lots. Highlight pedestrian corridors from Mamaroneck Ave to parking areas.

Space for WELCOME TO VILLAGE OF MAMARONECK message.

Examples of creative, colorful ways to make existing utilitarian structures into memorable landmarks and gateways.

bridge overpass gateway opportunities

BRIDGE GATEWAYS

There are two MTA train overpasses that act as gateways into the downtown area of the Village of Mamaroneck. These bridges could be refurbished into stunning, memorable Gateways that truly embrace the character of the Village. It should also coordinate with the new wayfinding program, as far as design and verbiage.

Paint, lighting, architectural metal, or exterior fabric could be used with the existing structure to give visitors a real sense of arrival.

TIERS OF ENHANCEMENT

There is a broad range of enhancements that can be made to existing features:

- Architectural Enhancements
- Lighting
- Signage
- Paint and Letters
- Paint

PRIORITY 2

Artistic upgrade to the two MTA train overpasses.

section 3
wayfinding assessment


Village Of
Mamaroneck


PARKING


Mamaroneck


D.A.R.E.


MADE
LIBRARY LANE
EMELIN THEATRE
POLICE DEPT.
ONE
WAY


Emelin
Theatre


PARKING


AREA-GP
PARKING
BY PERMIT
ONLY
24 HOUR
EMELIN
PATRONS
PARK ON
UPPER LEVEL
ONLY


HARBOR
ISLAND
PARK
ENTRANCE


Emelin


1932
Seely's
"Skinny House"

existing signage

The current state of signage in the Village of Mamaroneck is an array of sign types, sizes and configurations. Signs have been installed as singular efforts by various government agencies, village departments and destinations, to address individual needs or requests. This haphazard approach has created visual clutter within the Downtown environment and presents a disorganized and disorienting image of the village.

Signs of all different sizes, shapes, colors and typefaces lessens the effectiveness of the signage to aid users in finding their way. The following signage conditions are presented throughout the Village:

- Disorganized and/or damaged signs create a lack of “trust” in the information presented.
- Inconsistent mounting heights and placement does not allow the user to anticipate information.
- Copy size is too small to be read or too large for the context.
- Panel size is too small for a user to notice the sign.
- Poor graphic layouts reduce legibility.
- Mix of multiple sign systems at a single location.

REMOVAL

It is important to note that the intent is not to add signage on top of existing conditions, but to remove and replace existing wayfinding signage to create an organized and comprehensive approach.

MULTIPLE SYSTEMS

The new wayfinding system will interact with other mandatory consistent sign systems, such as signs collated in NYSDOT Right-of-Way (ROW), traffic and bicycle regulatory signs, and sign systems for individual entities that are in the public right-of-way, including MTA signage.

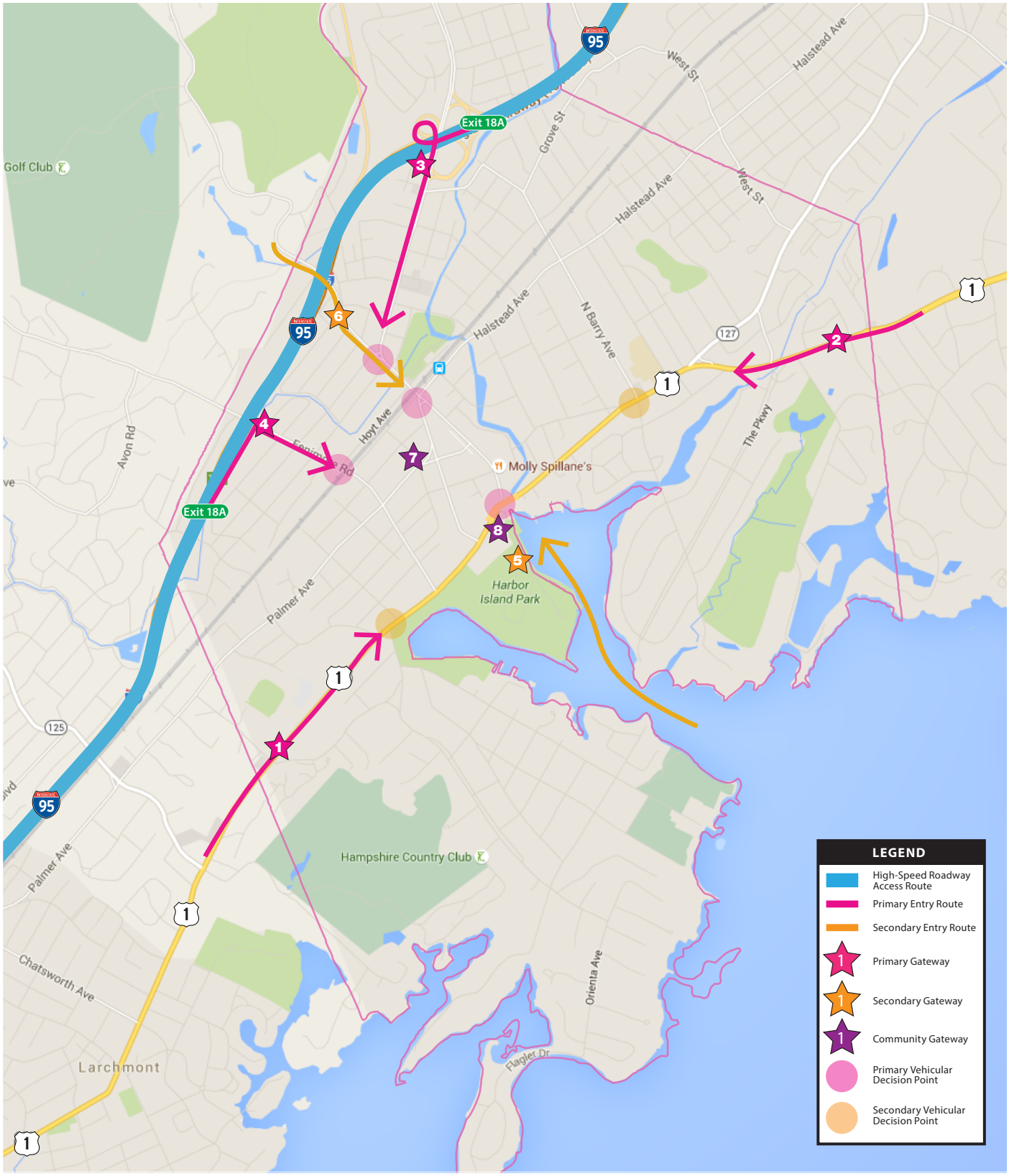
NYSDOT

Signage along NYSDOT Right-of-Way (ROW) must conform to the New York State Manual for Uniform Traffic Control Devices (NYS MUTCD). NYSDOT Right-of-Way (ROW) now has guidelines for Community Wayfinding systems, which will allow signs in their ROW to be more consistent with an overall village-wide approach.

PRIORITY 1

Create a phasing/ removals plan for the Village to implement. When new vehicular and pedestrian signs are installed, old signs with duplicate messages should be removed.

VILLAGE-WIDE GATEWAY LOCATIONS



arrivals & gateways

GATEWAY LOCATIONS

Gateways for this project will vary in scale and complexity based on their location, environment and purpose. Gateways can make a statement and welcome a visitor or they can simply mark the village limit.

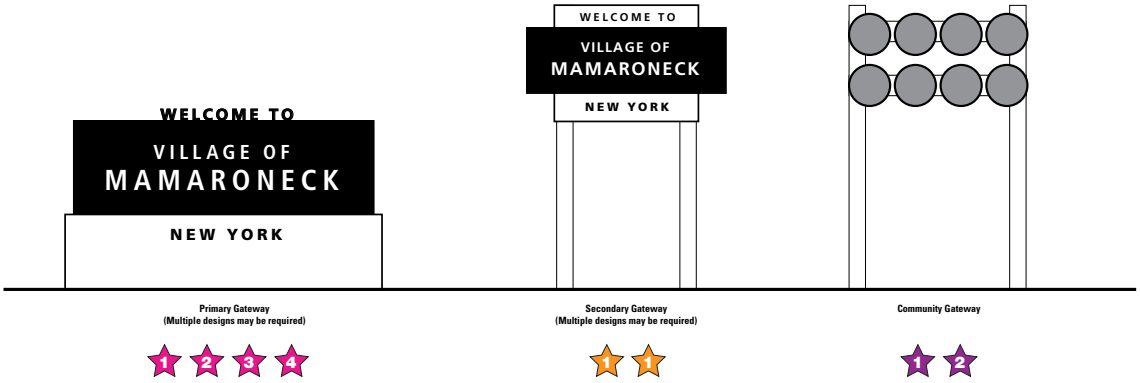
For a village like Mamaroneck the excitement and anticipation a visitor has when arriving can be heightened by the gateway that lets them know they have arrived at a special place.

Eight (8) gateways have been identified. Each of these present different purposes and will require a variety of design approaches.

Primary/Secondary gateways are located at the main points of visitor entry into the Village. While the function of the gateway is to welcome visitors, it can be more than just a sign. The design can include landscaping, lighting, and/or public art in addition to conveying the Village's brand message.

COMMUNITY BOARD/ GATEWAY

A community board/ gateway can be located at key points downtown or in the park, where residents & visitors can get information about community organizations or upcoming events.



PRIORITY 1

Develop gateways appropriate to each location & establish a consistency in design. Move the location of the Community Boards to a prominent area downtown and in the park.

destinations

A basic premise of urban wayfinding is to direct visitors to the “front door” of a destination or district and then get them to parking.

Showing the visitor the front door accomplishes two things. First, it lets them know that they have arrived and thus provides them with comfort, especially if they are in a strange city.

Second, it provides them with an orientation to where they are and, if no designated lot is provided, they can then begin to circle the block to find parking.

PARKING

Parking in any urban environment can be difficult. If parking is easier to find and presented in a organized manner, the village will be perceived as a friendly and caring environment that is trying to assist its visitors and residents alike.

It is easier to locate Parking lots if they are named after the street they are located on. This a strategy practiced by MERJE.

Downtown Destinations

1. Chamber of Commerce
2. Columbus Park
3. Emelin Theatre
4. Harbor Island Park
5. Hispanic Resource Center
6. Library
7. MTA Station - Mamaroneck
8. Municipal Complex
9. Post Office
14. Washingtonville Housing Alliance
13. West Chester Sandbox Theatre

Parking

1. Prospect East Deck
2. Prospect West Deck
3. Phillips Park Rd
4. Spencer Place Lot

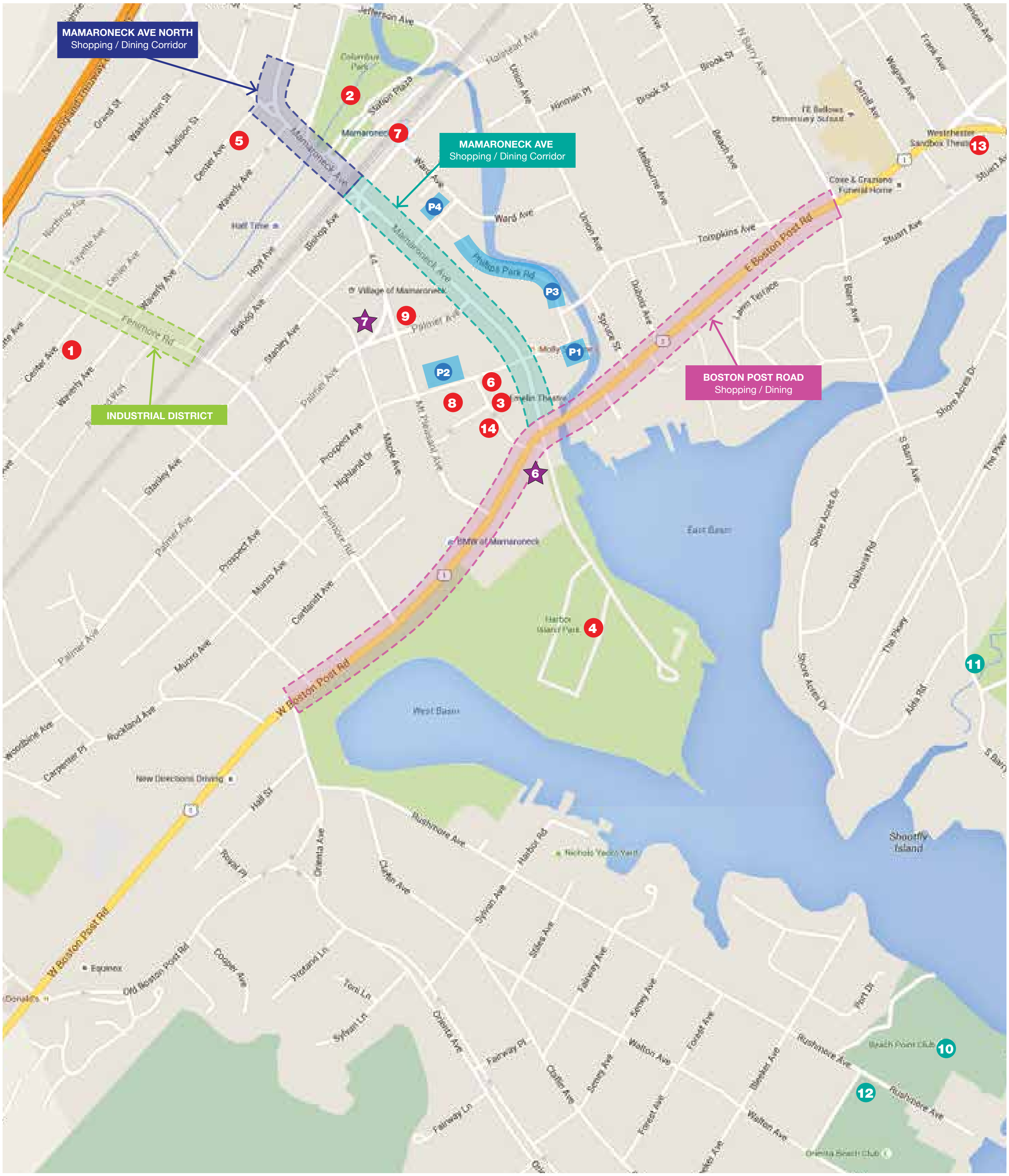
Beach Clubs

10. Beach Point Club
11. Mamaroneck Beach & Yact Club
12. Orienta Beach Club

Districts

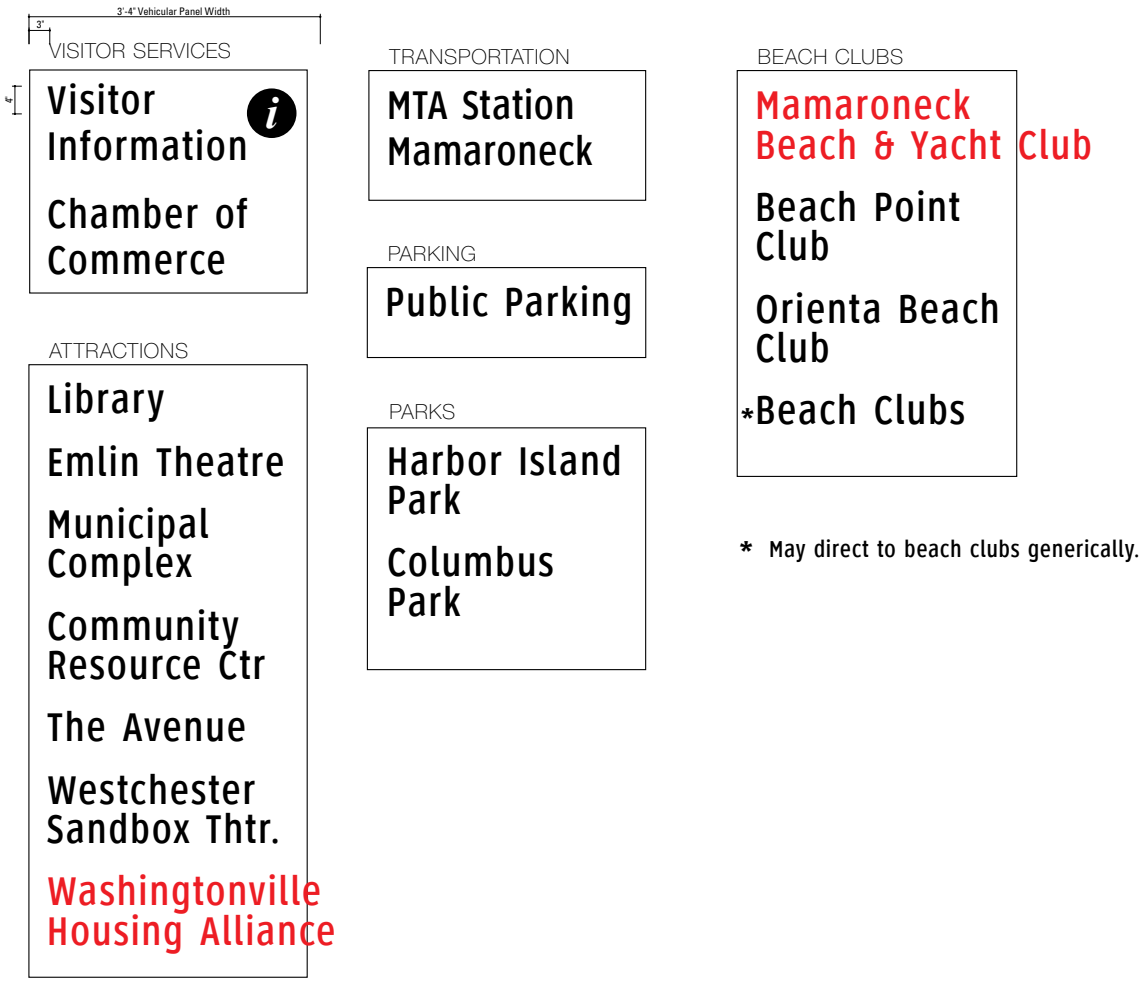
- Mamaroneck Ave - Shop / Dine
- Mamaroneck Ave North - Shop / Dine
- Industrial Area
- Boston Post Road - Shop / Dine

1 Community Gateway Location


MAMARONECK AVE NORTH
Shopping / Dining Corridor
MAMARONECK AVE
Shopping / Dining Corridor
INDUSTRIAL DISTRICT
BOSTON POST ROAD
Shopping / Dining
P1
P2
P3
P4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
E Boston Post Rd
W Boston Post Rd
Mamaroneck Ave
Phillips Park Rd
Fenimore Rd
East Basin
West Basin
Harbor Island Park
Shootfly Island

terminologies

vehicular



The following baseline measurements were used for this study:

VEHICULAR SIGNAGE

Sign Panel Width: 3'-4" (40")
Character Height: 4"
Test Typeface: Clearview HWY-2
Qty. Lines per Listing:
- Goal = 1
- Acceptable = 2

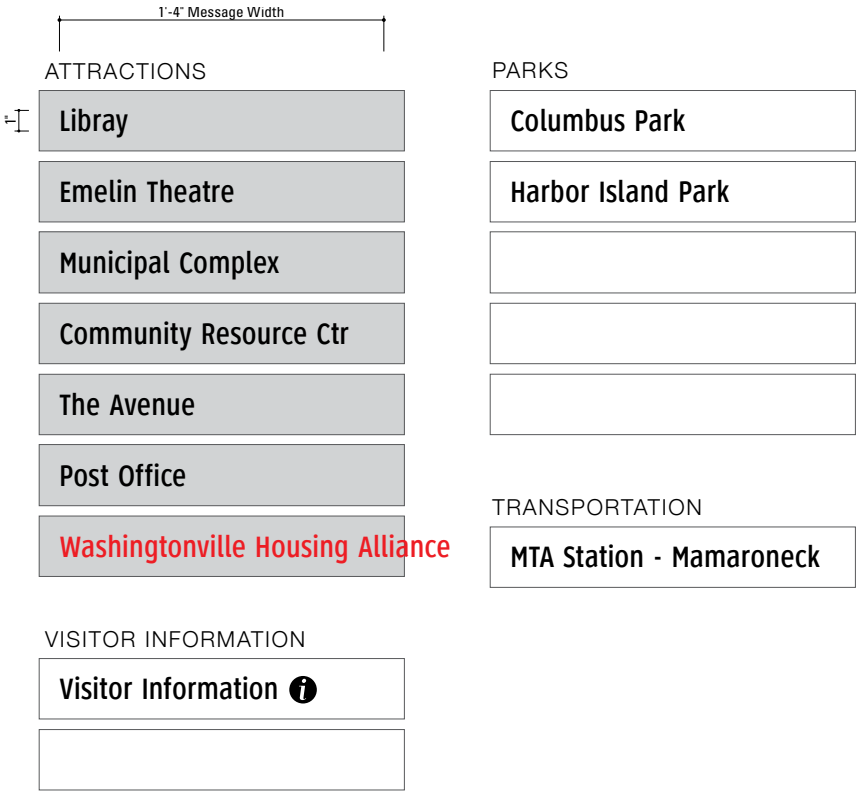
Qty. Characters per Listing:
- Goal = 20 or less
- Acceptable = 24 max.

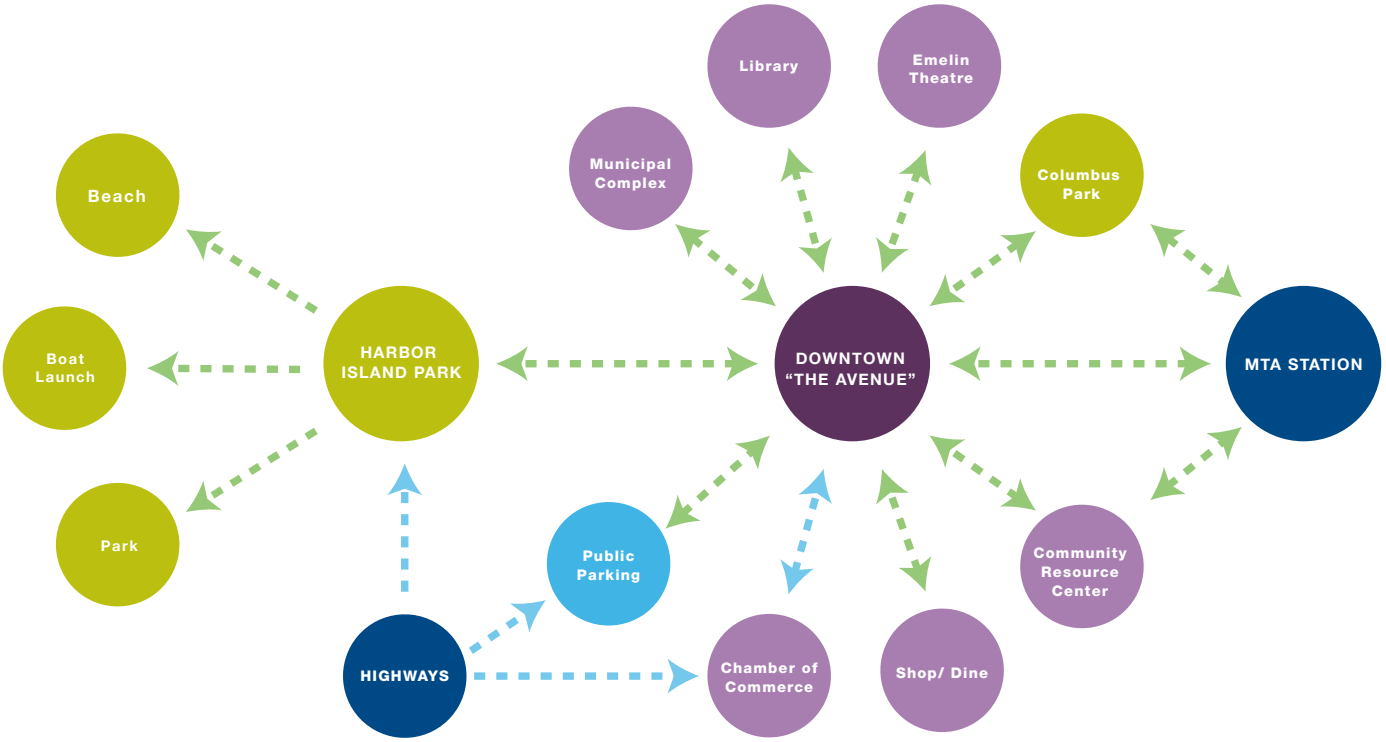
The destination terminology and abbreviations shown here are PRELIMINARY and for discussion purposes only.

RECOMMENDATIONS:

1. Remove "Mamaroneck" from destination listings.
   Example: "Mamaroneck Municipal Complex" becomes "Municipal Complex".
2. Any potential name changes must take place prior to installation of signage program.
3. Use only commonly recognized abbreviations. Use consistent terminology and abbreviations throughout system.
   Examples:
   - Avenue = Ave
   - Center = Ctr
   - County = Cty
   - Historic = Hist

terminologies
pedestrian





Destination to Destination Connections

LEGEND

- Vehicular Connections
- Pedestrian Connections
- Destinations
- Parks/Recreation
- Transportation
- Public Parking

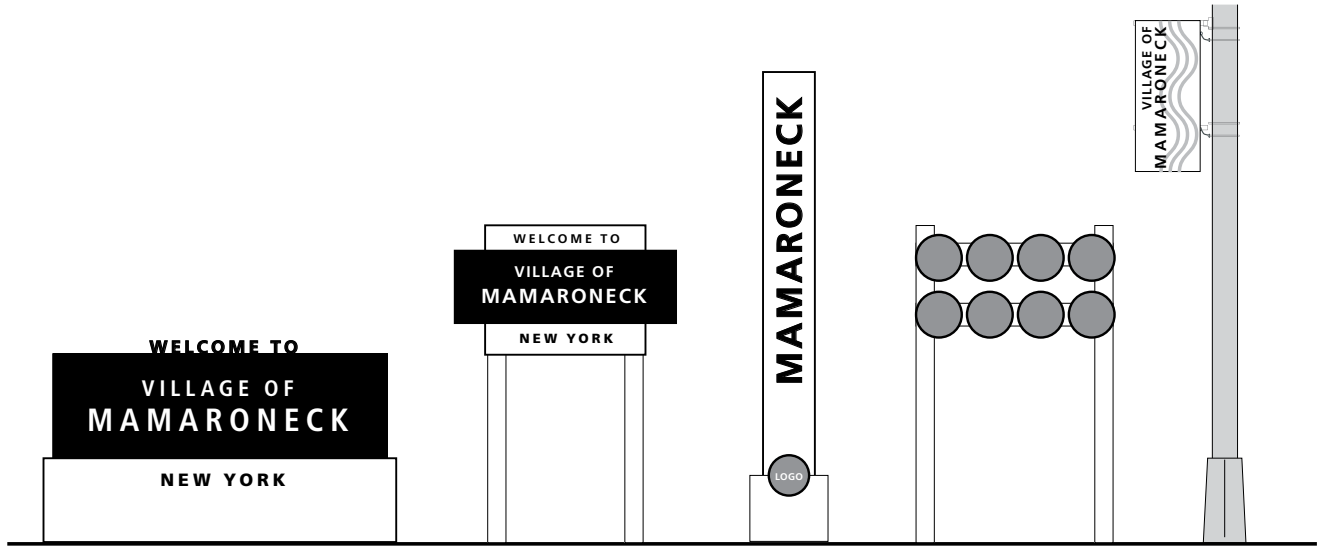
connections

Wayfinding systems present the opportunity to connect districts, destinations and people. Connections are a powerful marketing tool that can present a positive experience in a village while also increasing local revenue.

Connections are a key element to any wayfinding program. This is done for physical and cross-marketing opportunities. By connecting local destinations to each other a visitor receives a deeper experience of the Village of Mamaroneck.

Through our interview process we identified a series of connections between destinations, attractions and activities. These connections shall be utilized during the Programming (Sign Planning) process to create a comprehensive routing scheme for the sign program.

While sign programs cannot direct to everywhere – from everywhere, these connections can certainly be reviewed and incorporated to the greatest extent possible, providing clear direction and confirming a visitor is traveling the correct way.



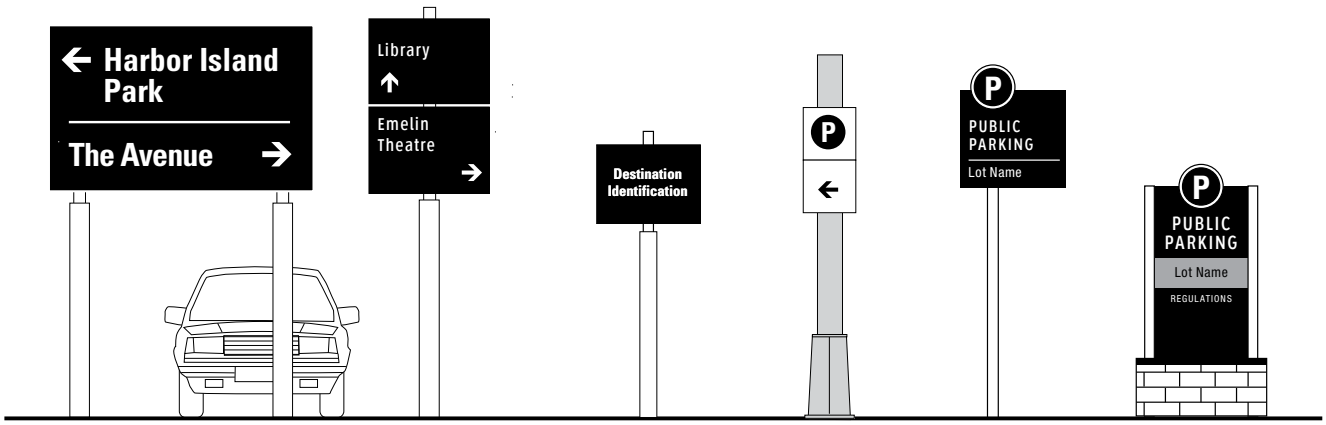
Primary Gateway (Multiple designs may be required)

Secondary Gateway (Multiple designs may be required)

District Gateway

Community Sign

Banner



Destination Directional (Over 35 mph)

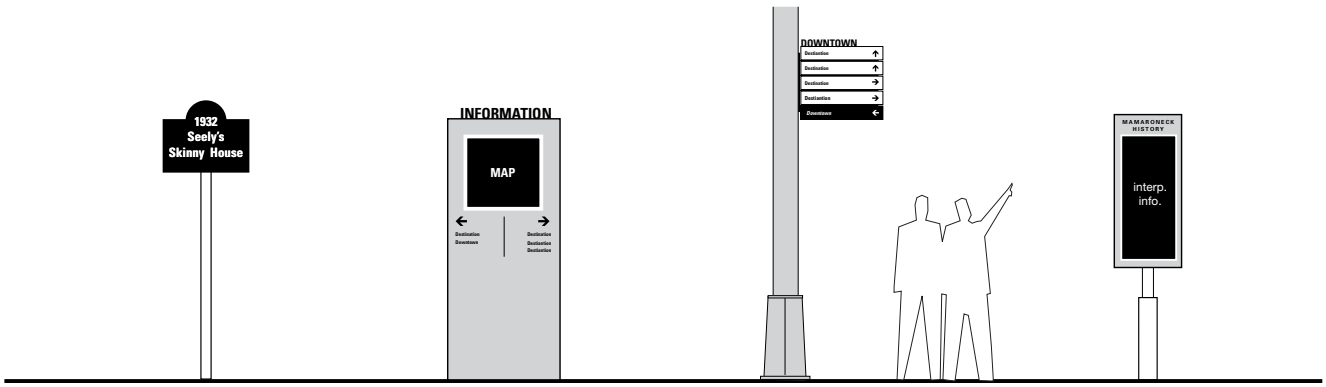
Destination Directional (Under 35 mph)

Destination Arrival

Parking Trailblazer

Parking Lot Arrival

Parking Lot Arrival



Historic Markers

Information Kiosk

Pedestrian Directional

Interpretive Kiosk

generic menu of sign types

VEHICULAR

Primary Gateway
Identifies arrival to the Village and incorporates the brand. One sign located at each primary gateway into the Village limits.

Secondary Gateway
Identifies primary arrival to the Downtown and incorporates the brand. One sign located at each primary gateway into Downtown.

Community Gateway
Identifies community groups and event information.

Destination Directional
Directs to Village attractions.
- Maximum 3 listings per sign
- Maximum 2 lines per attraction
- Goal: 1 sign per village block
- Minimum 150 feet between signs

Destination Arrival
Marks arrival to destination. Offers place for sub-listings of location destinations.

Parking Trailblazer
Trailblazer signs to public parking lots.

Parking Arrival
Identifies public parking lots.

Banners
Identify Zones/Districts/Events and incorporates brand.

PEDESTRIAN

Information Kiosks
Located at key gathering points. Includes maps, brochures, directions and other visitor information. Electronic/Interactive features TBD.

Pedestrian Directional
Directs to destinations within pedestrian zones. Located at intersections and/or street corners.

Orientation Map
Provides graphic map of Downtown and the Region. Located mid-block and/or key pedestrian nodes. Includes distances to destinations.

Interpretive Panel
Provides a graphic and written narrative on historical context, data and interesting facts regarding a site or destination.

Examples of DOT regulatory signs, on standard metal posts.

Sign Frames for Regulatory Signs

regulatory signs

NOTE: This is NOT a recommendation for your Wayfinding & Signage Program. It is purely information for you to use as you see fit, since wayfinding programs are not allowed to touch these types of signs.

All cities have regulatory signs, such as “No Parking on Mondays”, traffic signs, emergency route signs and crossing signs. Wayfinding programs cannot touch many of those signs, even though the different sizes, colors and sheer quantity of these signs do often add to sign clutter. There are some actions cities can take to help these signs fit in with a new wayfinding system, and generally make them look like more unified in their appearance.

The following are standard acceptable types of regulatory sign posts:

- Tubular steel posts;
- Telescoping steel post no greater than 2 ¼ in by 2 ¼ in (57 mm by 57 mm);
- U-channel posts;
- 4 in by 4 in (100 mm by 100 mm) wood posts;
- 4 in by 6 in (100 mm by 150 mm) wood posts with the 6 in (150 mm) side parallel to the roadway with appropriately drilled holes to ensure that the post is breakaway.

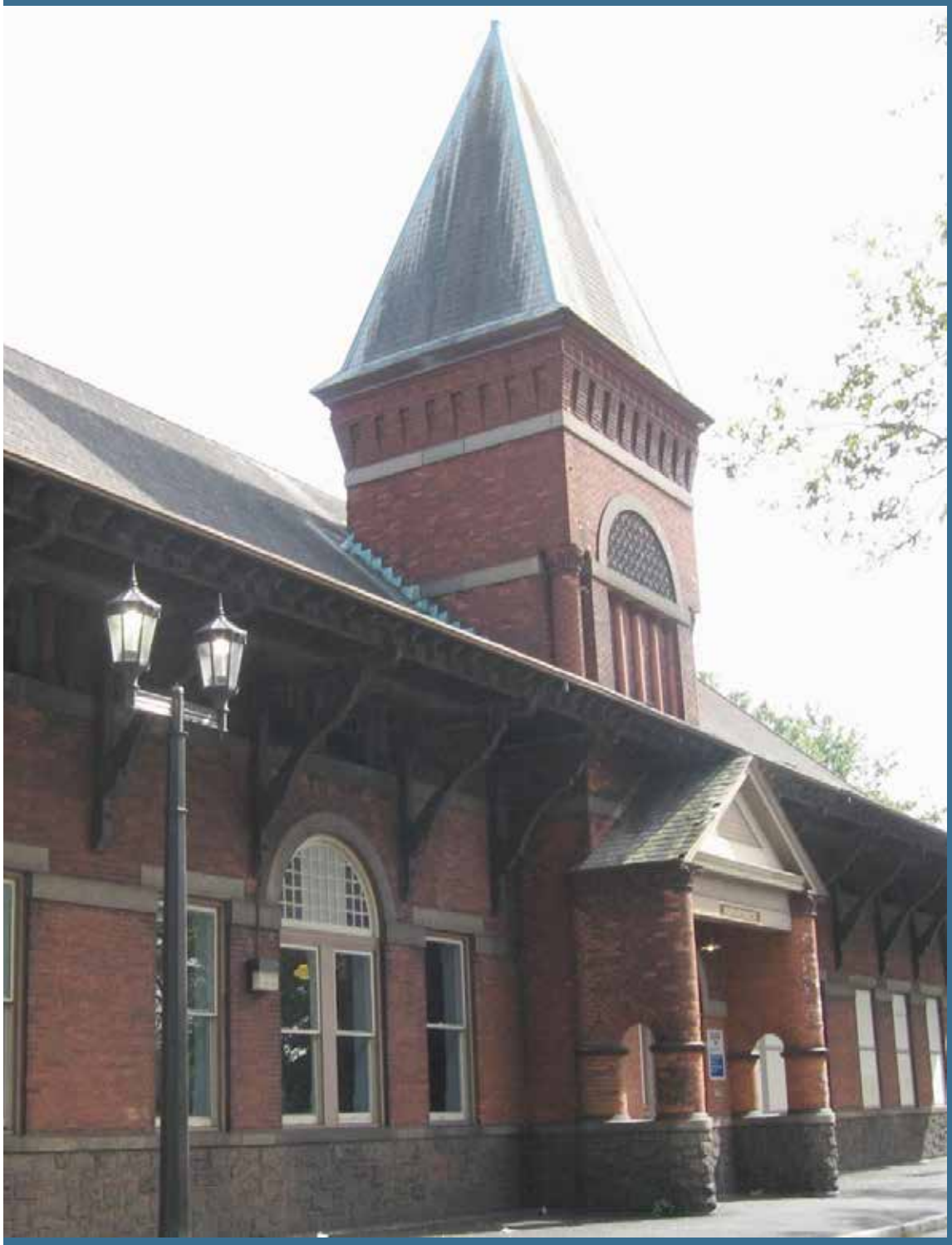
Simply painting metal posts to match the color of the wayfinding sign posts is an easy, inexpensive way to integrate regulatory signs into the wayfinding program. The backs of the regulatory signs can be painted as well, providing a clean, seamless look to the back of these signs and camouflaging any mounting hardware.

Making sure regulatory signs are mounted at a consistent height on poles is also a way to give these signs a more uniform appearance.

Deciding to use wood posts with a rustic wayfinding program design would be a way to unify the look of regulatory signs as well.

In downtown areas, regulatory sign frames can also be purchased and painted to match the poles of the new wayfinding system. There are companies that specialize in providing attractive solutions to regulatory signage in downtowns.

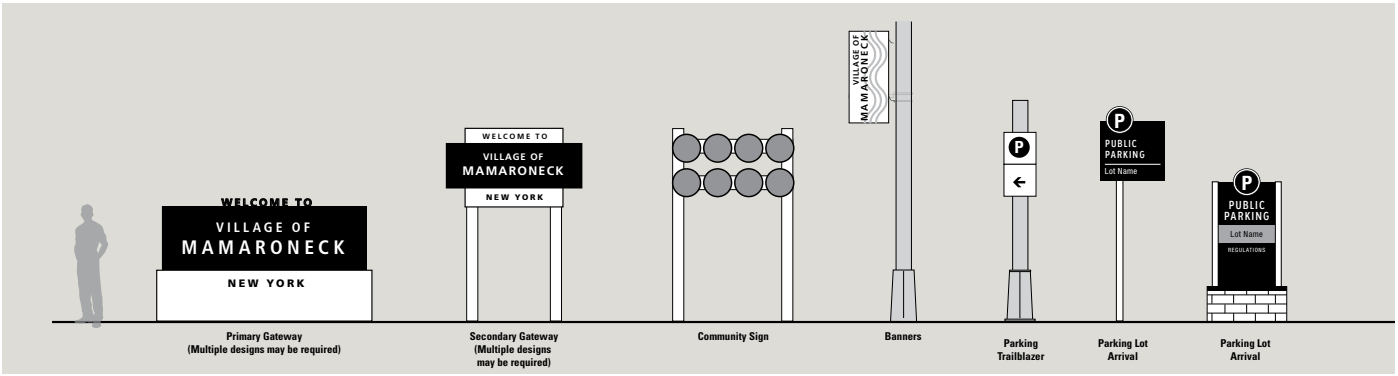
The first step in creating a uniform look for regulatory signs would be to take an inventory of the amount and location of all existing regulatory signs in the city. This will show the condition of the existing regulatory signs, their mounting conditions and other useful information.



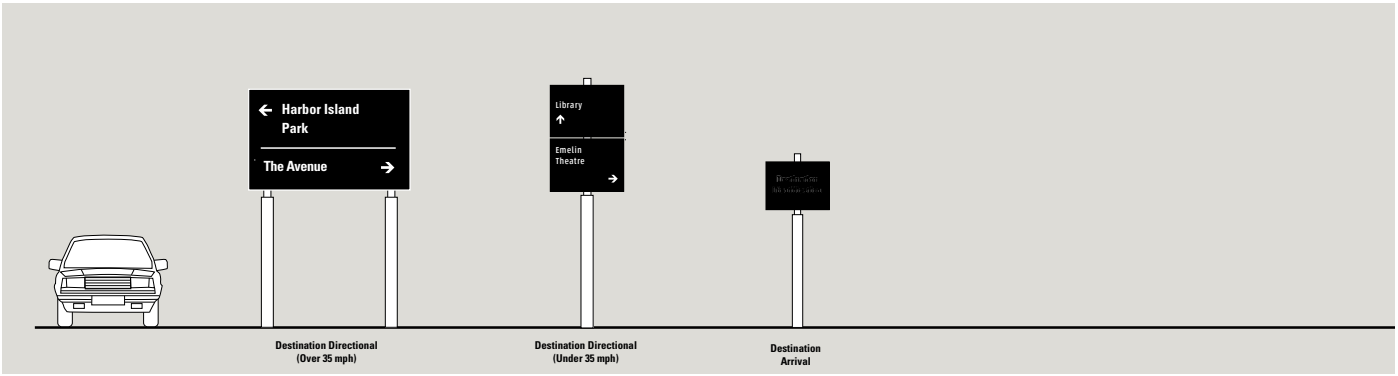
section 4
strategies

phasing plan

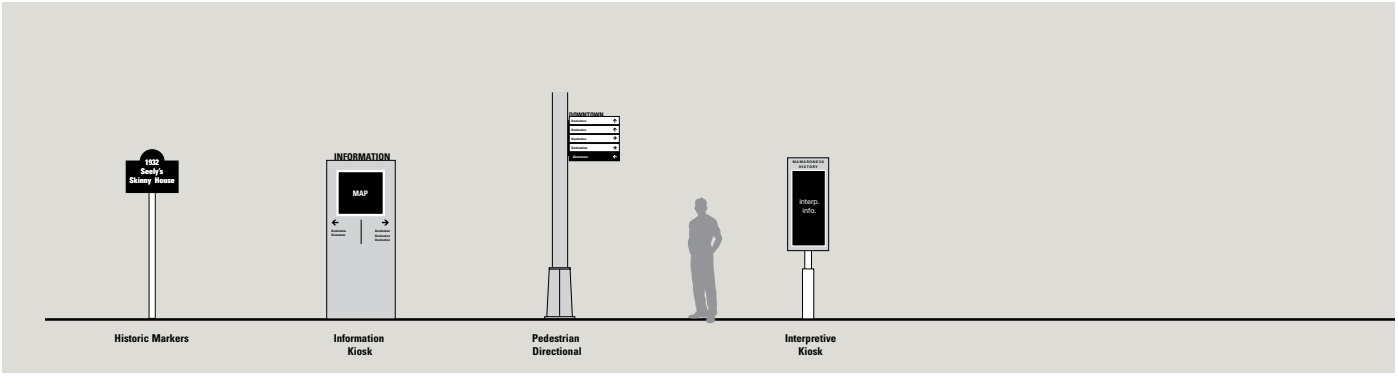
PHASE 1: GATEWAYS & PARKING



PHASE 2: VEHICULAR SIGNAGE



PHASE 3: PEDESTRIAN SIGNAGE



PHASES

1 GATEWAY & PARKING

- Gateways
- Banners
- Community Boards
- Parking Directionals
- Parking Trailblazers

2 VEHICULAR SIGNAGE

- Vehicular Directionals

3 PEDESTRIAN SIGNAGE

- Pedestrian Directional
- Kiosks
- Historic Markers

4 LONG TERM

- Maintenance & Updating

Multi-layered wayfinding programs are often implemented over the course of several years. The determination of what elements may be included in a given phase can be effected by the following:

- Availability of funding
- Cost of individual components
- Complexity / Simplicity of approvals
- Complexity / Simplicity of implementation
- Priority of need
- Sequencing of information with other elements

funding sources

Government Funding:
The Preserve America Grant Program: The Preserve America Grant program, which began in 2006, is administered by the Department of the Interior's National Park Service in partnership with the Advisory Council on Historic Preservation. The competitive matching grants fund Preserve America Communities, State Historic Preservation Offices, and Tribal Historic Preservation Offices to support their preservation efforts through heritage tourism, education, and historic preservation planning. www.PreserveAmerica.gov

The National Scenic Byways Program:
The National Scenic Byways Discretionary Grants program provides funding for byway-related projects each year, as part of the Federal Highway Administrations Discretionary Grants Program. Projects to support and enhance National Scenic Byways, All-American Roads and State-designated byways are eligible. Applications are prepared online but submitted through the State's byway program agency. www.byways.org

Tourism/Hotel Tax:
The county and/or municipalities can levy a Transient Occupancy Tax (TOT) on hotels, motels, boarding houses, bed & breakfasts and other facilities offering guest rooms rented out for occupancy for fewer than thirty consecutive days. A portion of the TOT revenue can then be divided as directed by a Board of Supervisors into the Tourism Opportunity Fund (TOF). Funding of certain aspects the wayfinding projects can come from approved TOF money.

Redevelopment Funds & Economic Development Grants:
Funding provided by state, county and city governments through the local Redevelopment Authority or through the local Business Improvement Districts. Typically projects meet specific categories and requirements set by the granting agency. Submittals are generally set on a annual basis and review, award and funding availability timeframes differ and can be lengthy. This type of funding opportunity should be identified early on. Deliverables provided during the Analysis and Design phase are often used as presentation and submittal materials to show the requester has committed to the project and provides the reviewer a sense of the project, scope and design intent.

Private Foundations:
Private philanthropy is not tied to government agencies, therefore it is more flexible, offers a broader range of activities and provides incentives for success. It also requires the recipient to be an effective and established organization.

Private foundations also look for innovative and entrepreneurial projects that may be locally based and provide the opportunity to assist the community reach strategic economic or social goals. Private foundations can be used for either the hard or soft costs associated with the project.

Municipality Or County Budget Various Departments:
Contributions can come from revenue generating departments, (i.e. Parking Authority, Convention and Visitors Bureau or Public Works.)

Matching Funds:
When submitting for state or county grants – matching funds are required from either the local municipality, Business Improvement District or Tourism Bureau.

Transportation & Enhancement Grants (Te):
This can be done at both the Federal and State level. Typically these grants are provided by the FHWA, through the State Department of Transportation to municipalities and eligible projects. The grants can be used to revitalize neighborhoods, enhance infrastructure (streetscape, wayfinding, etc.) and improve transportation facilities and services.

The grant submittal, review and award process can be lengthy and complex. Upon award the project will also require further review as in proceeds into design and may require additional submittals to various government agencies. For wayfinding projects, this may include the FHWA, State DOT and the State Historic Review Commission.

City Capital Projects Budgets:
Capital improvement projects are included in most City budgets on a annual basis. This funding can be spread out over three years to cover

the Planning and Design in year 1 and a Phases implementation in years 2 and 3. Depending upon fiscal years and funding availability the phases can sometimes be combined based on project schedule. MAP-21 The Moving Ahead for Progress in the 21st Century Act (P.L. 112-141), was signed into law by President Obama on July 6, 2012. Funding surface transportation programs at over $105 billion for fiscal years (FY) 2013 and 2014, MAP-21 is the first long-term highway authorization enacted since 2005. This Federal Highway Authority grant program provides opportunities for local state, county and municipalities to apply for grants that may support Community Wayfinding Programs.

Leasing:
There are very few sign companies that have the financial ability to do this, but leasing programs are available to dramatically reduce up-front costs of the program and maintain quality of all signage elements during the term of the lease. Under the lease agreement, all up-front costs may be covered and all signage elements are maintained and insured 100%. The total cost (plus interest) of the signs is paid for over a 5, 7 or 10 year period. The cost also includes maintenance during this period. At the end of the lease the municipality has the option to renew the lease for continued maintenance or retain ownership of the system.

Our Town Grant:
Through Our Town, subject to the availability of funding, the National Endowment for the Arts will provide a limited number of grants for creative placemaking projects that contribute toward the livability of communities and help transform them into lively, beautiful, and sustainable places with the arts at their core.

Center For Disease Control:
This agency may offer funding grants for health initiatives, which could be used for interpretive signage or fitness trail components.

Congestion Mitigation And Air Quality Improvement (Cmaq) Program:
The CMAQ program was implemented to support surface transportation projects and other related efforts that contribute air quality improvements and provide congestion relief.Jointly administered by FHWA and the Federal Transit Administration (FTA), the CMAQ program was reauthorized most recently as part of the Moving Ahead for Progress in the 21st Century Act (MAP-21) in July, 2012. Funding: Maintenance and Management NOTE: Annual Budget: 10% - 15% of original construction cost.

Existing Municipal Or County Line Item Money:
There are always a number of streetscape improvement projects occurring in a town or county at any one time. By adding a small percentage of additional signs for replacement you have the opportunity to have work done relatively quickly without the same problems of bidding a project. Good for amounts smaller than $50,000.

Business Improvement Districts (Bid):
BID's can clean signs as part of their regular duties. Generally signs are more delicate and need a higher degree of care. BID's typically follow these responsibilities:

- Pole Cleaning – Day to day cleaners
- Panel Cleaning – Special crew or hired assistance
- Kiosk and map cleaning – Hired assistance

Stakeholder Destination Support:
Stakeholders/Destinations sign a contract to annual contribute to the fund based on their number of listings ($100 - $250 per listing). This funding usually can pay for a portion of the cleaning and minor repair work needed on an annual basis, but should not be relied on for the full funding of maintenance.

NOTE: Grants typically are not available for funding maintenance of a system. DOTs generally do not offer maintenance funding. So it is highly recommended that a maintenance strategy including funding is in place prior to the system being installed.

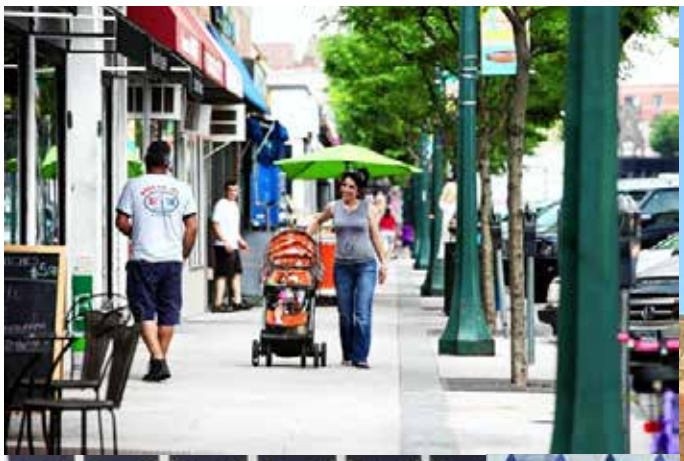
order of magnitude

DESCRIPTION	SIGN TYP	COST	QTY	TOTAL	COMMENTS
Gateways & Identification					
Gateway - Double Pole	GATE.1	$8,000	3	$24,000	
Gateway - Single Pole	GATE.2	$6,500	4	$26,000	
Community Board	COMM.1	$7,000	0	$0	
Community Board w/ Event Info	COMM.2	$7,500	2	$15,000	
Historic Marker Identification	HIST.1	$3,000	11	$33,000	
				$98,000	**Phase 1**
Parking					
Parking Directional - Existing Pole	PARK.1	$1,000	2	$2,000	
Parking Directional - New Pole	PARK.1a	$2,800	4	$11,200	
Parking Identification	PARK.2	$4,500	3	$13,500	
Parking Identification	PARK.3	$5,000	1	$5,000	
				$31,700	**Phase 1a**
Vehicular Directional					
Vehicular Directional - 4" Copy / Single Pole	VDIR.1	$4,000	4	$16,000	
Vehicular Directional - 4" Copy / Single Pole	VDIR.2	$4,250	2	$8,500	
Vehicular Directional - 4" Copy / Single Pole	VDIR.3	$4,500	17	$76,500	
Vehicular Directional - 6" Copy / Double Pole	VDIR.4	$5,000	0	$0	
Vehicular Directional - 6" Copy / Double Pole	VDIR.5	$6,000	0	$0	
Vehicular Directional - 6" Copy / Double Pole	VDIR.6	$7,000	0	$0	
				$101,000	**Phase 2**
Pedestrian					
Pedestrian Directional - Exisitng Pole	PED.1	$1,250	3	$3,750	
Pedestrian Directional - New Pole	PED.1a	$2,750	0	$0	
Kiosk - Large Gateway	KIOSK.1	$20,000	3	$60,000	
Kiosk - Medium	KIOSK.2	$7,500	2	$15,000	
Kiosk - Small	KIOSK.3	$4,000	1	$4,000	
Overhead Walkways	OVD.1	$6,000	5	$30,000	
				$112,750	**Phase 2a**
PROJECT TOTAL			**37**	**$343,450**	


PICK UP
HERE
today's specials

section 5
schematic design

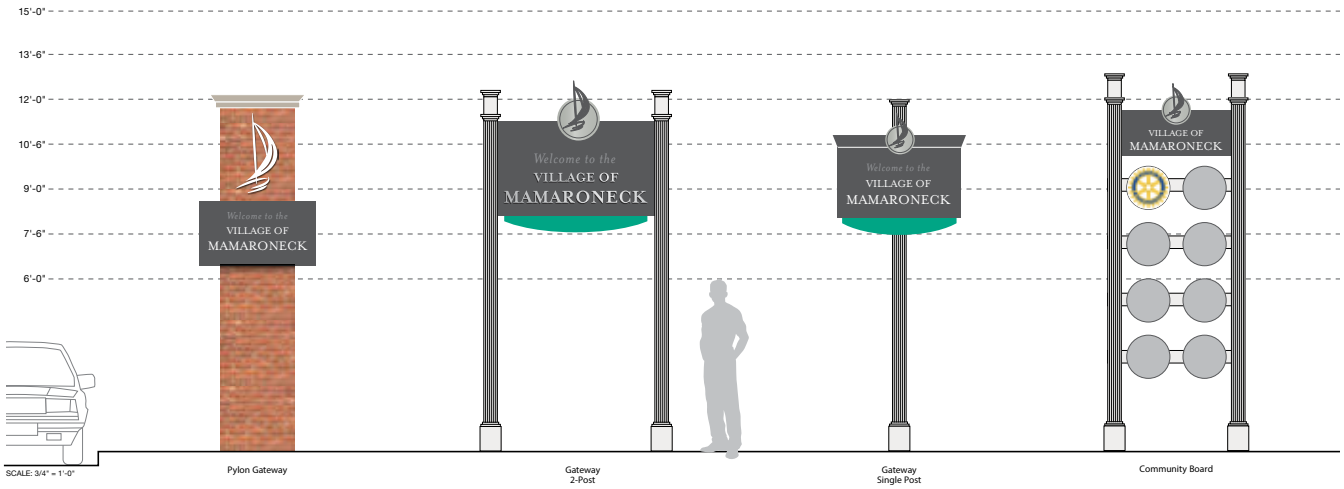
OPTION 1: INSPIRATION

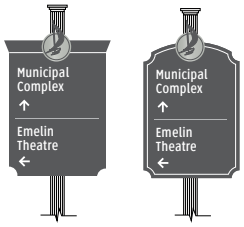


Traditional *Classic* *Pattern*

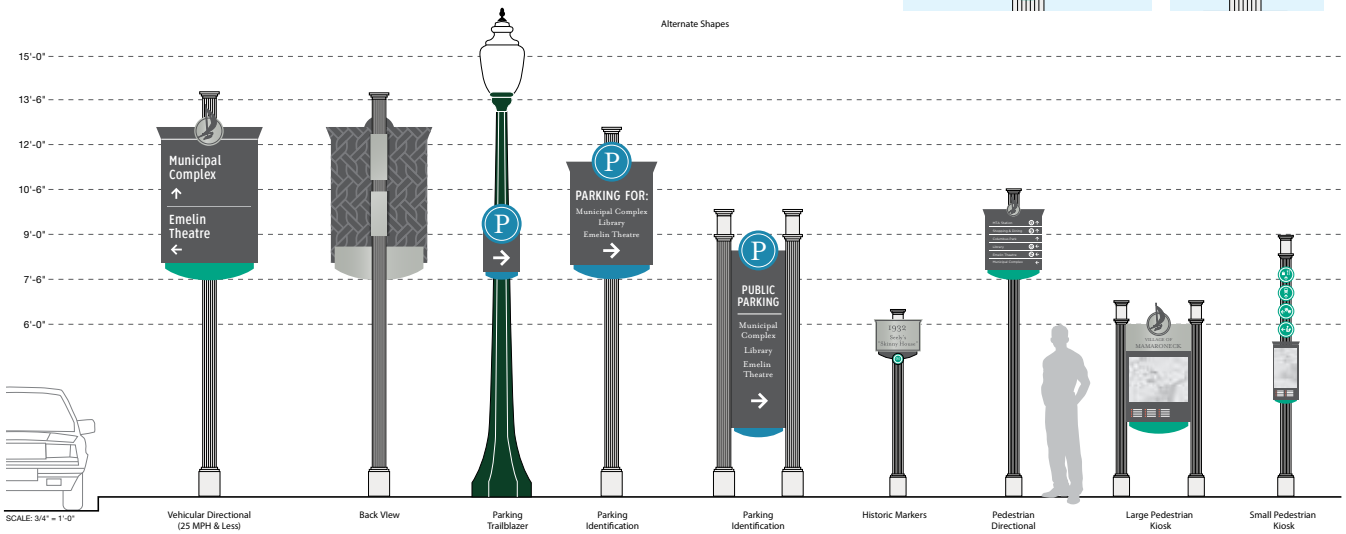
OPTION 1: DESIGN

VILLAGE OF
MAMARONECK





Alternate Shapes

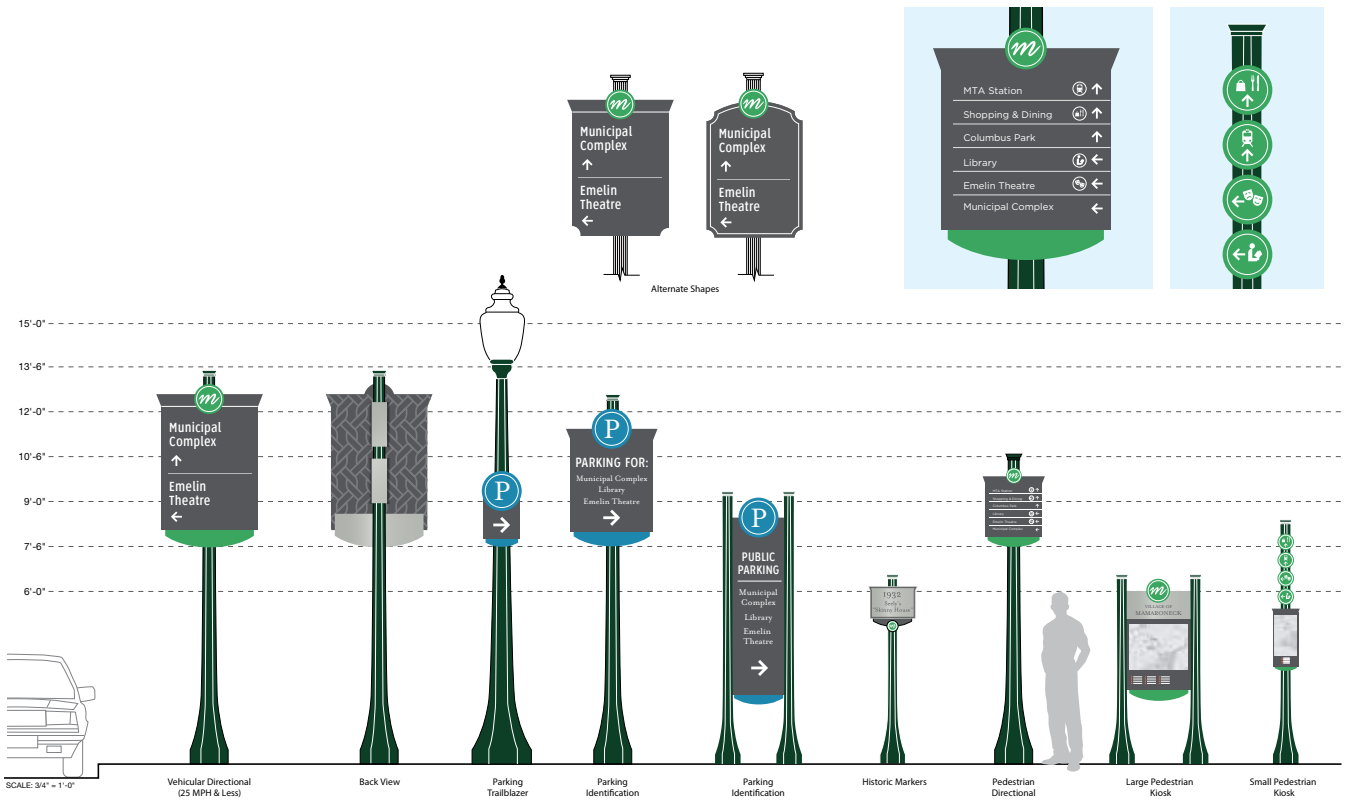


OPTION 1A: INSPIRATION

Traditional *Classic* *Pattern*

OPTION 1A:

VILLAGE OF MAMARONECK

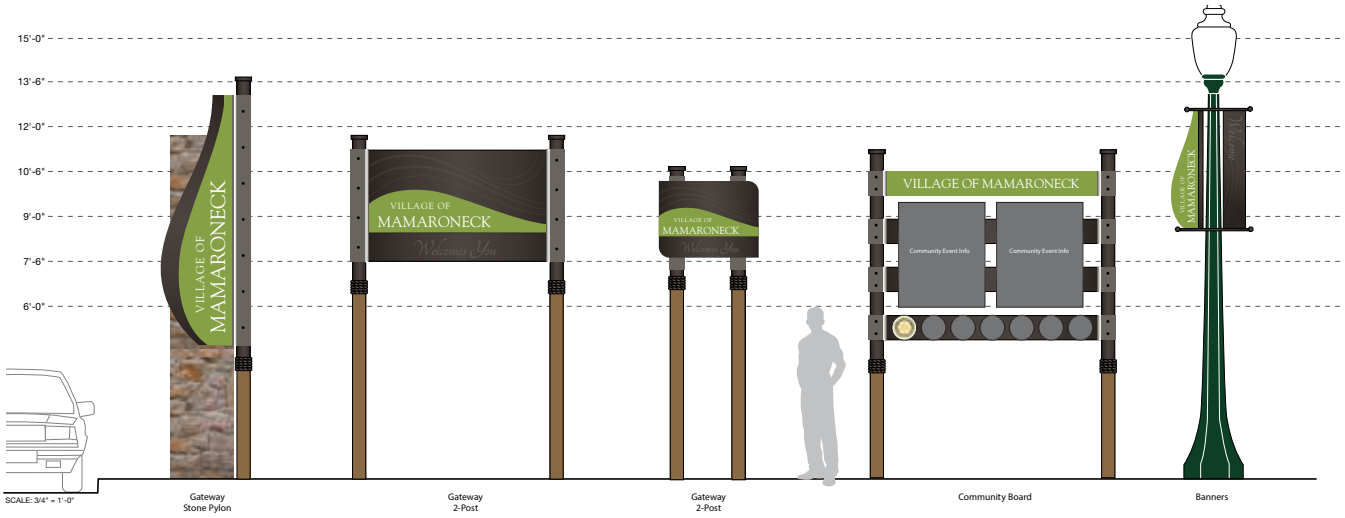


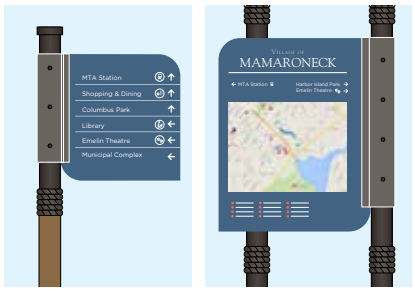
OPTION 2: INSPIRATION

HARBOR SAILING NATURE

OPTION 2:

VILLAGE OF
MAMARONECK

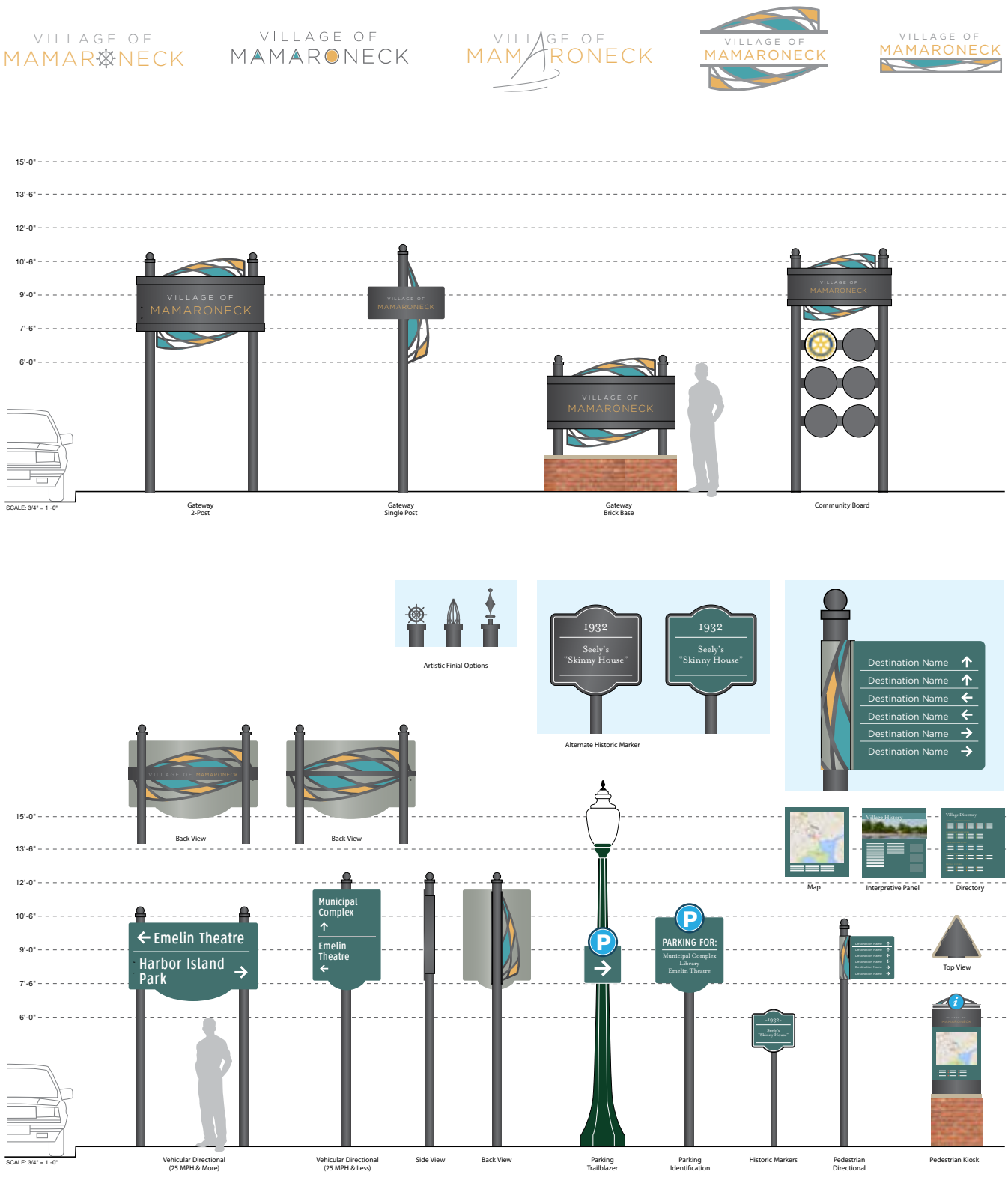




OPTION 3: INSPIRATION

ARTISTIC HARBOR MODERN

OPTION 3:


VILLAGE OF MAMARONECK
VILLAGE OF MAMARONECK
VILLAGE OF MAMARONECK
VILLAGE OF MAMARONECK
VILLAGE OF MAMARONECK
15'-0"
13'-6"
12'-0"
10'-6"
9'-0"
7'-6"
6'-0"
SCALE: 3/4" = 1'-0"
Gateway 2-Post
Gateway Single Post
Gateway Brick Base
Community Board
Artistic Finial Options
-1932-
Seely's "Skinny House"
Alternate Historic Marker
Destination Name
Back View
Map
Interpretive Panel
Directory
Emelin Theatre
Harbor Island Park
Municipal Complex
Emelin Theatre
PARKING FOR:
Municipal Complex
Library
Emelin Theatre
Top View
Vehicular Directional (25 MPH & More)
Vehicular Directional (25 MPH & Less)
Side View
Back View
Parking Trailblazer
Parking Identification
Historic Markers
Pedestrian Directional
Pedestrian Kiosk


LIBRARY
MAMARONECK PUBL

section 6
design intent drawings

This final design option was created after presenting and gathering feedback on the Schematic Design options from the Steering Committee & Public Input Groups. Option 1 was the basis for design, although some design elements were borrowed from the other two options. This section outlines the design intent details for each of the final sign types.

COLORS & MATERIALS

Consistent use of a color palette creates a recognizable "system".

The Color Palette found on the following pages provides a reference for specifying a paint color or material.

The Fabricator is required to submit painted color chips and material samples for approval prior to sign fabrication.

The ADA requires a minimum of 70% contrast between text and background for the legibility.

These vinyls are reflective, meeting MUTCD guidelines for vehicular guide signs.

VINYL

	Name	Specification	Process
R1	White	To match PMS White	Background & Characters 3M custom inks applied directly to 3930 with 3M approved clear UV/Graffiti Vinyl Over-laminates.*
R2	Dark Gray	To match PMS 445 C	Background & Characters 3M custom inks applied directly to 3930 with 3M approved clear UV/Graffiti Vinyl Over-laminates.*
R3	Teal	To match PMS Green C	Background & Characters 3M custom inks applied directly to 3930 with 3M approved clear UV/Graffiti Vinyl Over-laminates.*
R4	Blue	To match PMS 632 C	Background & Characters 3M custom inks applied directly to 3930 with 3M approved clear UV/Graffiti Vinyl Over-laminates.*
R5	Light Gray	To match PMS 444C	Background & Characters 3M custom inks applied directly to 3930 with 3M approved clear UV/Graffiti Vinyl Over-laminates.*

*MUST comply with MUTCD section Table 2A-3 – Minimum maintained retroreflectivity levels.
Approved Process: Durst RHO 161 TS printer. Sherine Industries: (604) 513-1887
NOTE: All 3M products are to be processed and applied according to 3M specifications. The seaming of material is NOT preferred. If the height of a sign panel is greater than 48 inches, the 3M 3930 material should be oriented vertically with stripes at 0 degrees, to avoid the seaming of material. If seaming is required, it should occur at the rule line or between messages.

PAINT COLORS

	Name	Specification	Process
P1	White	To match PMS White	Surface applied, exterior sign paint and protective top coat: MATTHEWS Acrylic Polyurethane with Clear Coat Satin finish.
P2	Dark Gray	To match PMS 445 C	Surface applied, exterior sign paint and protective top coat: MATTHEWS Acrylic Polyurethane with Clear Coat Satin finish.
P3	Teal	To match PMS Green C	Surface applied, exterior sign paint and protective top coat: MATTHEWS Acrylic Polyurethane with Clear Coat Satin finish.
P4	Blue	To match PMS 632 C	Surface applied, exterior sign paint and protective top coat: MATTHEWS Acrylic Polyurethane with Clear Coat Satin finish.
P5	Light Gray	To match PMS 444C	Surface applied, exterior sign paint and protective top coat: MATTHEWS Acrylic Polyurethane with Clear Coat Satin finish.
P6	Brightray Silver Metallic	To match Matthews Paint MP18082	Surface applied, exterior sign paint and protective top coat: MATTHEWS Acrylic Polyurethane with Clear Coat Satin finish.

MATERIALS

	Name	Specification	Process
 **M1**	Brick		
 **M2**	Phenolic Resin Panel	dHPL exterior grade	Hi resolution CMYK printed graphics set into phenolic resin exterior grade panels.
 **M3**	Dye-Sub Print	Aluminum Dye-Sub Print	Aluminum panel with Dye-Sub Print graphics
 **M4**	Aluminum	Pin-mounted letters	Pin-mounted (non-corrosive) individual aluminum letters. Clear anodizing over natural aluminum finish

LOGO ELEMENTS

VILLAGE OF
MAMARONECK

SYMBOLS

Waterfront | Theatre | Library | Train Station | Shopping & Dining | Municipal Biuilding | Housing Alliance

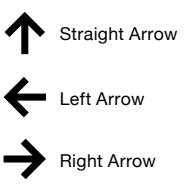
ARROWS

Left Arrow | Up-Left Arrow | Straight Arrow | Up-Right Arrow | Right Arrow

Straight-Left Arrow | Up-Straight-Left Arrow | Up-Straight-Right Arrow | Straight-Right Arrow

USE of Arrows

When multiple directions are required on a sign, the following directional hierarchy shall take precedent. See Example below. Reference Message Schedule for individual Messages.



Straight Arrow

Left Arrow

Right Arrow

TYPOGRAPHY & TYPEFACES

This page provides a reference for the typefaces for the Village of Mamaroneck Wayfinding Signage System.

Typefaces may not be changed. During fabrication, the height and width ratio of letter forms must be maintained proportionately.

Vehicular Signage:
Typeface for vehicular signs is Clearview Hwy. Signs placed on roads with a speed limit of over 25MPH shall have 6" high type. Signs placed on roads with a speed limit of 25MPH and lower shall have 4" high type. Type may be upper and lower case.

Pedestrian Signage:
1" high copy is recommended for overhead pedestrian directional signs.

Typeface A - Clearview Hwy (FOR VEHICULAR USE)

ABCDEFGHIJKLMNOPQUSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890

Amongst the several mechanical Arts that have engaged my attention, there is no one which I have pursued with so much steadiness and pleasure, as that of Letter Founding.

Downtown	Downtown	Downtown
acceptable	NOT acceptable	NOT acceptable
123A	123A	123A
acceptable	NOT acceptable	NOT acceptable

Typeface B - Mrs Eaves Roman (FOR LOGO AND PARKING SIGNAGE)

ABCDEFGHIJKLMNOPQUSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890

Amongst the several mechanical Arts that have engaged my attention, there is no one which I have pursued with so much steadiness and pleasure, as that of Letter Founding.

Downtown	Downtown	Downtown
acceptable	NOT acceptable	NOT acceptable
123A	123A	123A
acceptable	NOT acceptable	NOT acceptable

Typeface C - GOTHAM BOOK (FOR PEDESTRIAN USE)

ABCDEFGHIJKLMNOPQUSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890

Amongst the several mechanical Arts that have engaged my attention, there is no one which I have pursued with so much steadiness and pleasure, as that of Letter Founding.

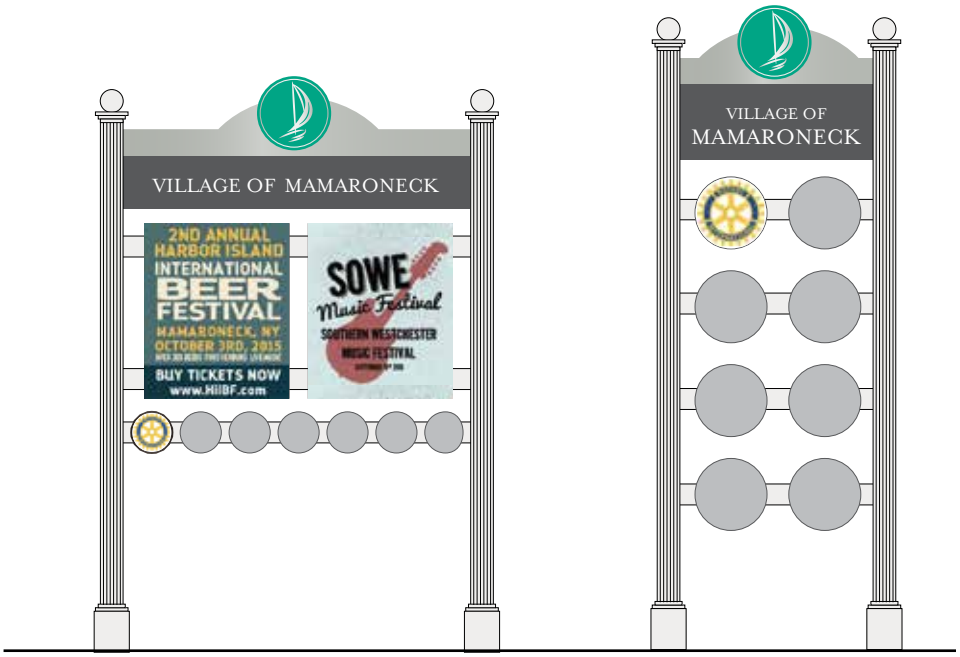
Downtown	Downtown	D o w n t o w n
acceptable	NOT acceptable	NOT acceptable
123A	123A	1 2 3 A
acceptable	NOT acceptable	NOT acceptable

GATEWAY SIGNAGE OVERVIEW

GATE.1
GATE.2
COMM.1
COMM.2

GATE.1
Village Gateway
2-Post

GATE.2
Village Gateway
Single Post



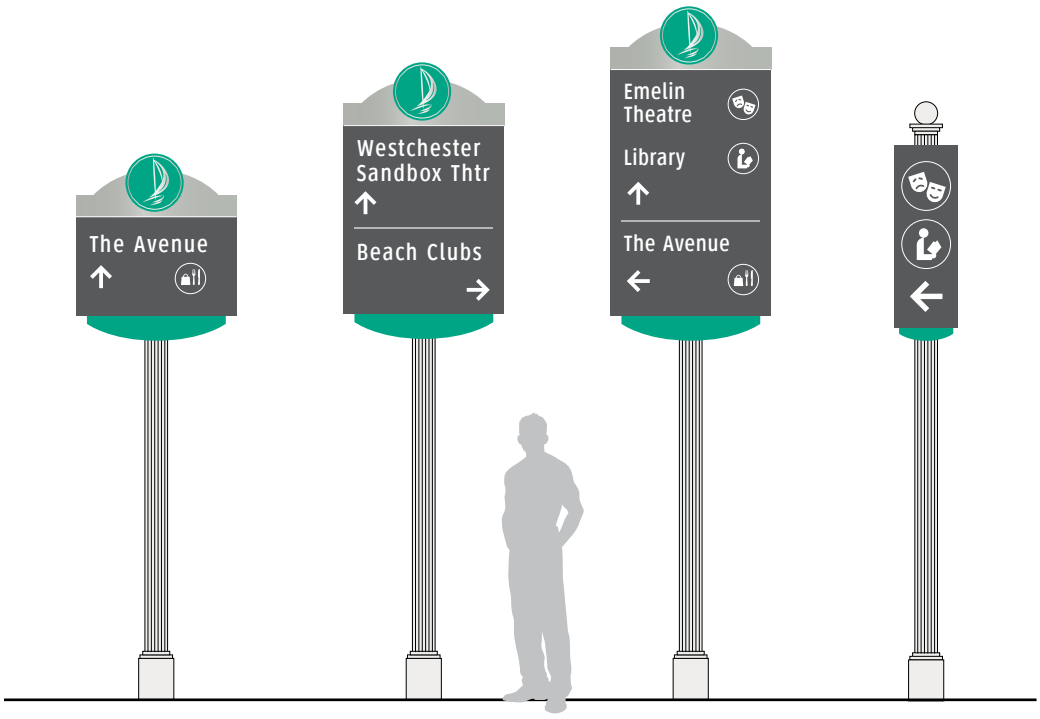
COMM.1
Community Board

COMM.2
Community Board
With Event Info

These drawings are meant for DESIGN INTENT ONLY and are not for construction. Contractor shall verify and be responsible for all dimensions and conditions of the job. Contractor shall be familiar with the site and conditions it presents. This office must be notified of any variations from the dimensions and conditions shown on this drawing. Shop drawings and details must be submitted to this office for approval prior to proceeding with fabrication. All copy shall be proofread by client and legal requirements checked by legal department.

VEHICULAR DIRECTIONAL SIGNAGE OVERVIEW

VDIR.1
VDIR.2
VDIR.3
VDIR.4
VDIR.5
VDIR.6
TRAIL.1

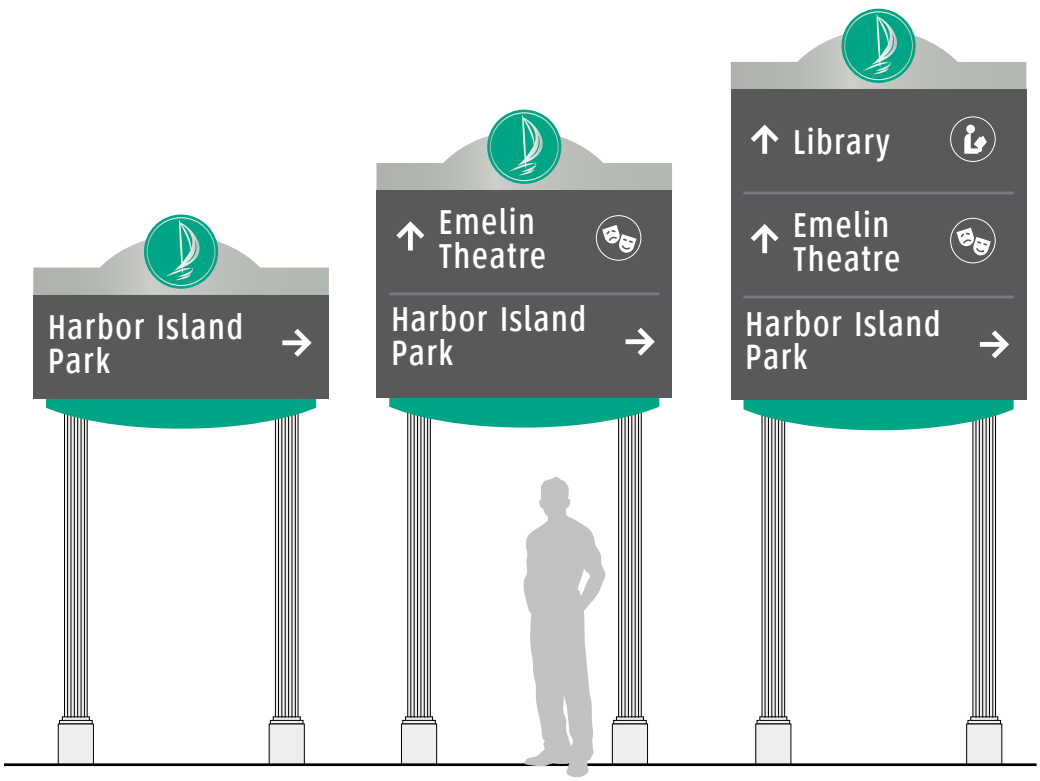


VDIR.1
Vehicular Directional

VDIR.2
Vehicular Directional

VDIR.3
Vehicular Directional

TRAIL.1
Vehicular Trailblazer



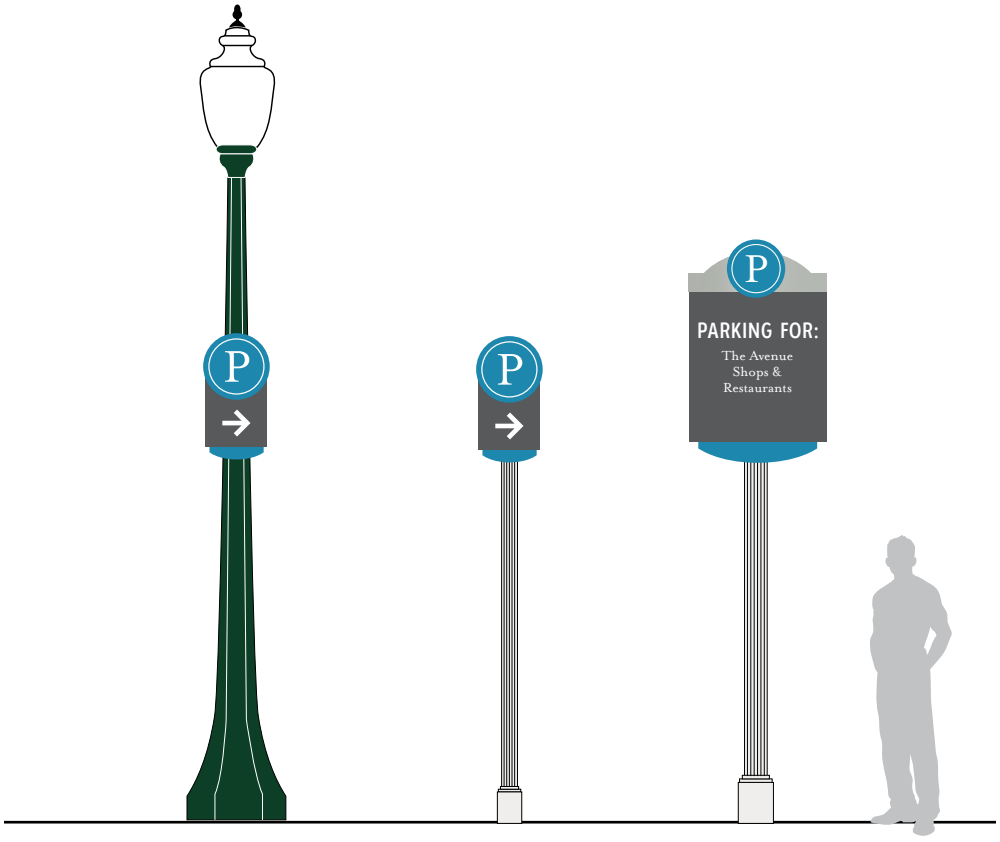
VDIR.4
Vehicular Directional

VDIR.5
Vehicular Directional

VDIR.6
Vehicular Directional

PARKING SIGNAGE OVERVIEW

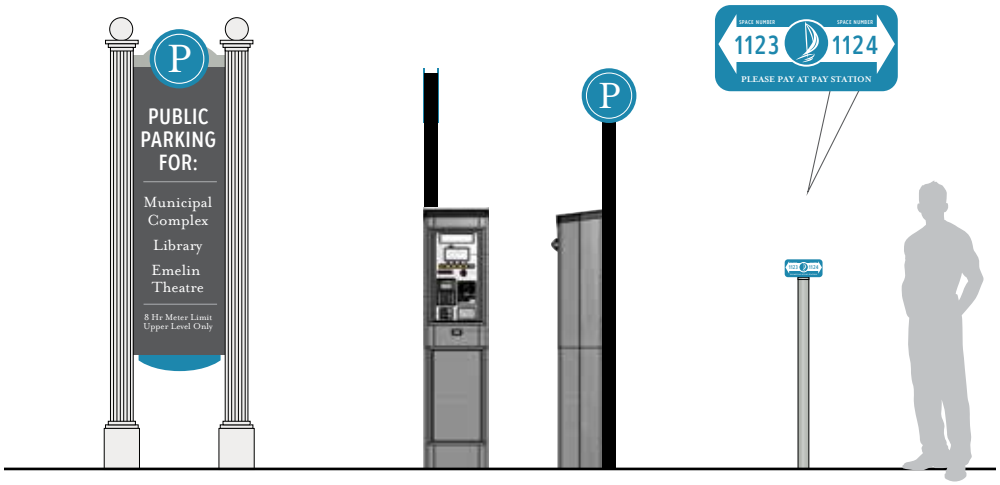
PARK.1
PARK.1A
PARK.2
PARK.3
PARK.4
PARK.5



PARK.1
Parking Trailblazer
Existing Pole

PARK.1a
Parking Trailblazer
New Pole

PARK.2
Parking
Identification



PARK.3
Parking
Identification

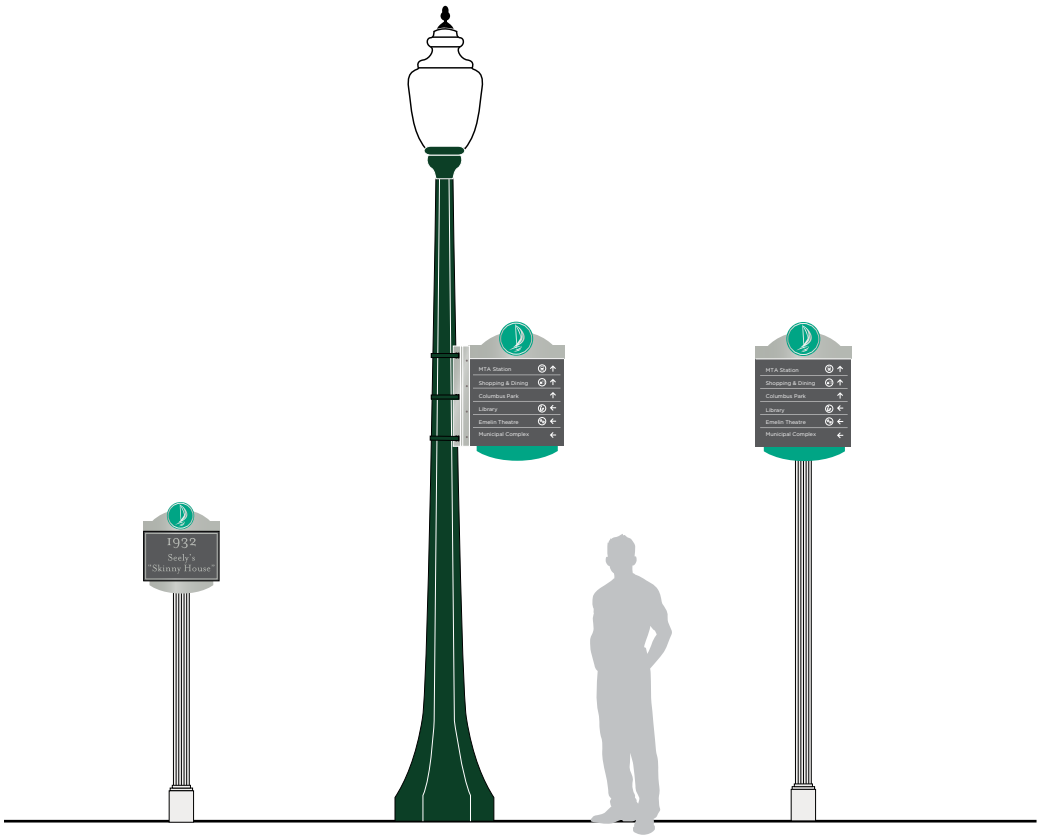
PARK.4
Parking
Meter Sign

PARK.4
Parking
Meter Spaces

These drawings are meant for DESIGN INTENT ONLY and are not for construction. Contractor shall verify and be responsible for all dimensions and conditions of the job. Contractor shall be familiar with the site and conditions it presents. This office must be notified of any variations from the dimensions and conditions shown on this drawing. Shop drawings and details must be submitted to this office for approval prior to proceeding with fabrication. All copy shall be proofread by client and legal requirements checked by legal department.

PEDESTRIAN SIGNAGE OVERVIEW

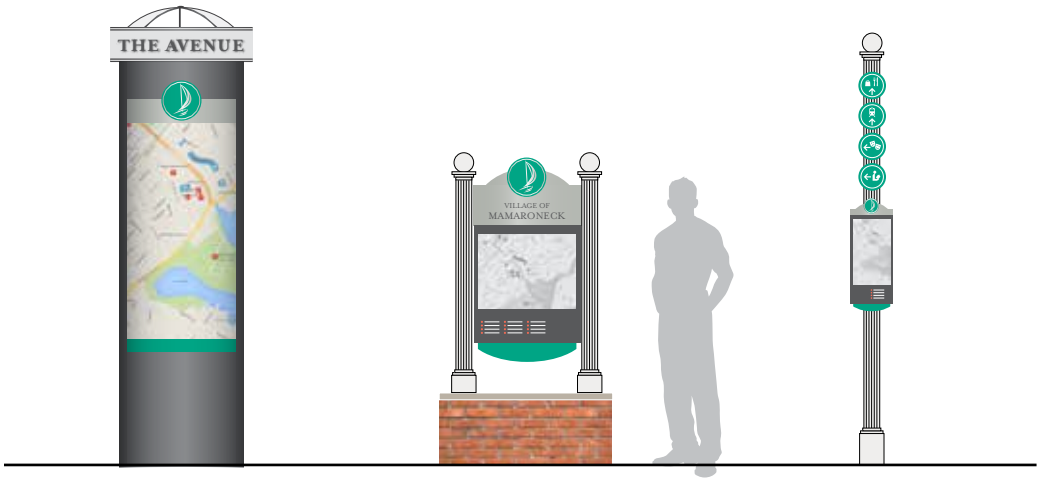
HIST.1
PED.1
PED.1a
KIOSK.1
KIOSK.2
KIOSK.3



HIST.1
Historic Marker

PED.1
Pedestrian Directional
Existing Pole

PED.1a
Pedestrian Directional
New Pole



KIOSK.1
Large Pedestrian

KIOSK.2
Pedestrian Kiosk

KIOSK.3
Small Pedestrian

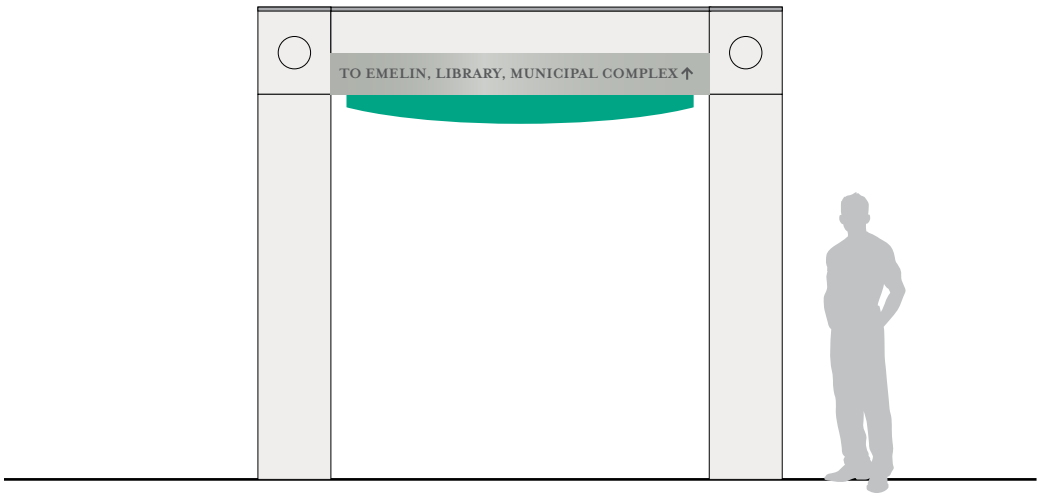
PEDESTRIAN WALKWAYS SIGNAGE OVERVIEW

OVD.1

OVD.1
Overhead Directional
Pedestrian Walkway
Phillips Park Road

CLIENT TO PROVIDE
PHOTOS/ MEASUREMENTS

OVD.1
Overhead Directional
Pedestrian Walkway
Palmer Avenue



OVD.1
Overhead Directional
Pedestrian Walkway
Mamaroneck Ave

GATE.1
Village Gateway

FABRICATION DETAILS

1. 5”x.25” Square Fluted Aluminum Post. Custom cast Aluminum finial and base cover. Breakaway Post as per NYSDOT.

2. Sign Panel: 1/4" Aluminum Sheet. Router Cut. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Mechanically fastens to sign post with L-Bracket.

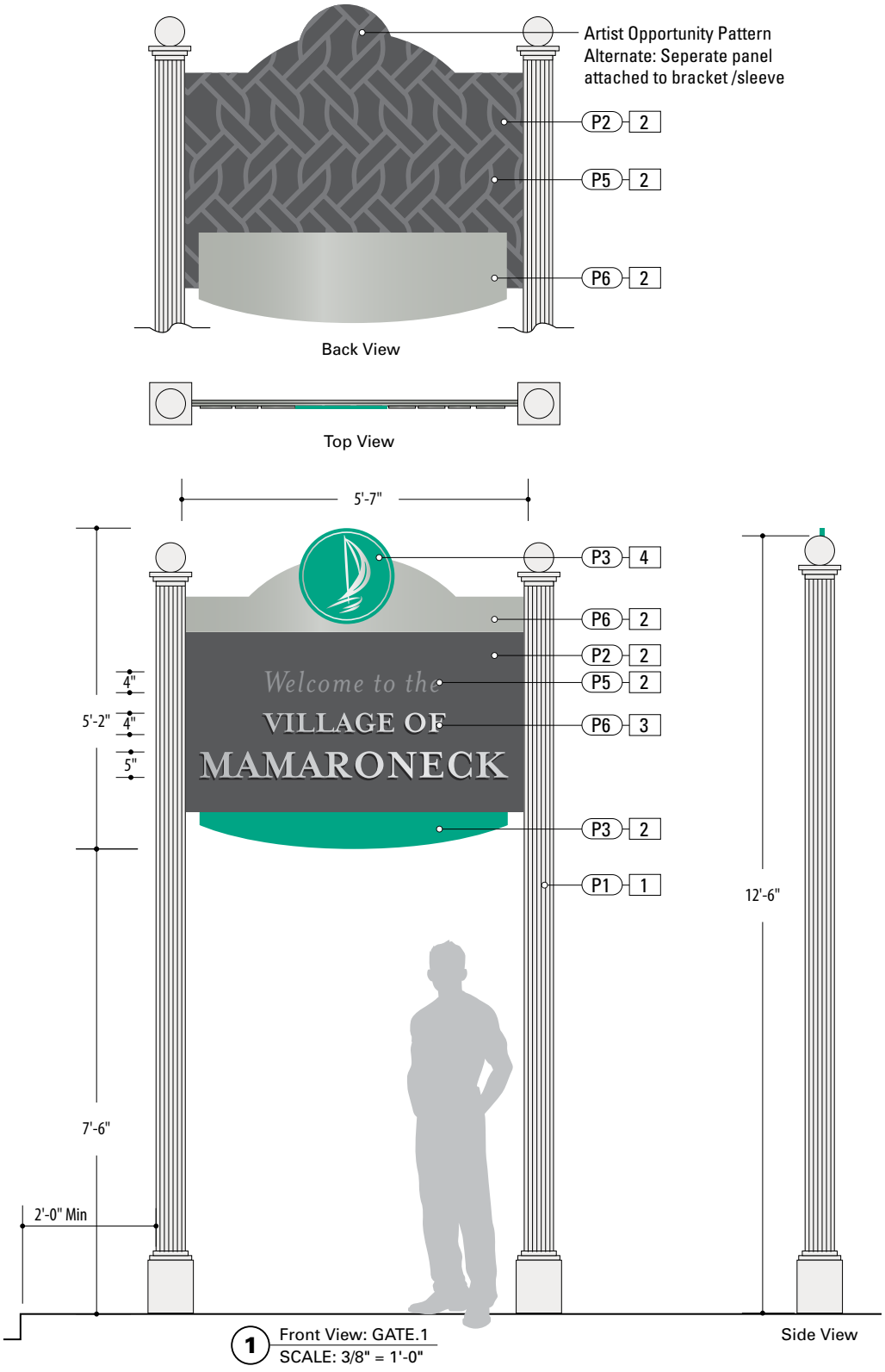
3. 1/4" Aluminum Individual cut letters. Pin mount to sign panel and VHB Adhesive Bond.

4. 1'-6 1/2" x 1/4" thk. Etched and filled logo panel. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Pin mount to sign panel and VHB Adhesive Bond.

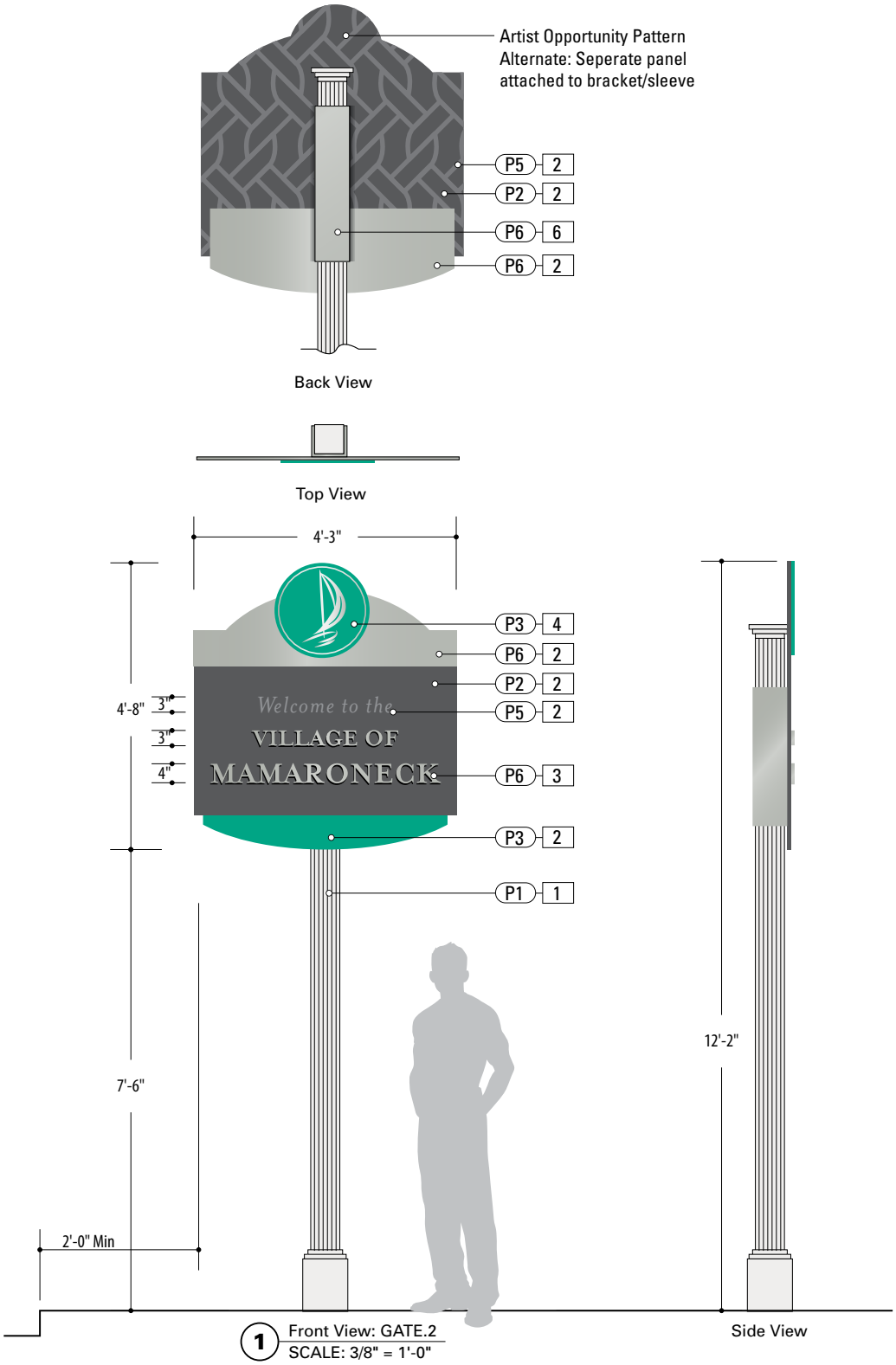
FONTS
“Welcome to the”
- Mrs. Eaves Italic

“Village of Mamaroneck”
- Mrs. Eaves Bold

Reference Footer Drawings in Details Section.



1 Front View: GATE.1
SCALE: 3/8" = 1'-0"



GATE.2
Village Gateway

FABRICATION DETAILS

1. 5”x.25” Square Fluted Aluminum Post. Custom cast Aluminum finial and base cover. Breakaway Post as per NYSDOT.

2. Sign Panel: 1/4” Aluminum Sheet. Router Cut. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Mechanically fastens to sign post with L-Bracket.

3. 1/4” Aluminum Individual cut letters. Pin mount to sign panel / VHB Adhesive Bond.

4. 1/4” Etched and filled logo panel. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Pin mount to sign panel / VHB Adhesive Bond.

6. 2-3/16” thk. Aluminum U-Channel Brackets create Sleeve around post. Finish: Square, smooth. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Weld to sign panel. Mechanically fastened to post (Tamper-Resistant)

FONTS
“Welcome to the”
- Mrs. Eaves Italic

“Village of Mamaroneck”
- Mrs. Eaves Bold

Reference Footer Drawings in Details Section.

COMM.1
Community Board

FABRICATION DETAILS

1. 5”x5”x.25” Square Fluted Aluminum Post. Custom cast Aluminum finial and base cover. Breakaway Post as per NYSDOT.

2. Sign Panel: 1/4” Aluminum Sheet. Router Cut. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Mechanically fastens to sign post with L-Bracket.

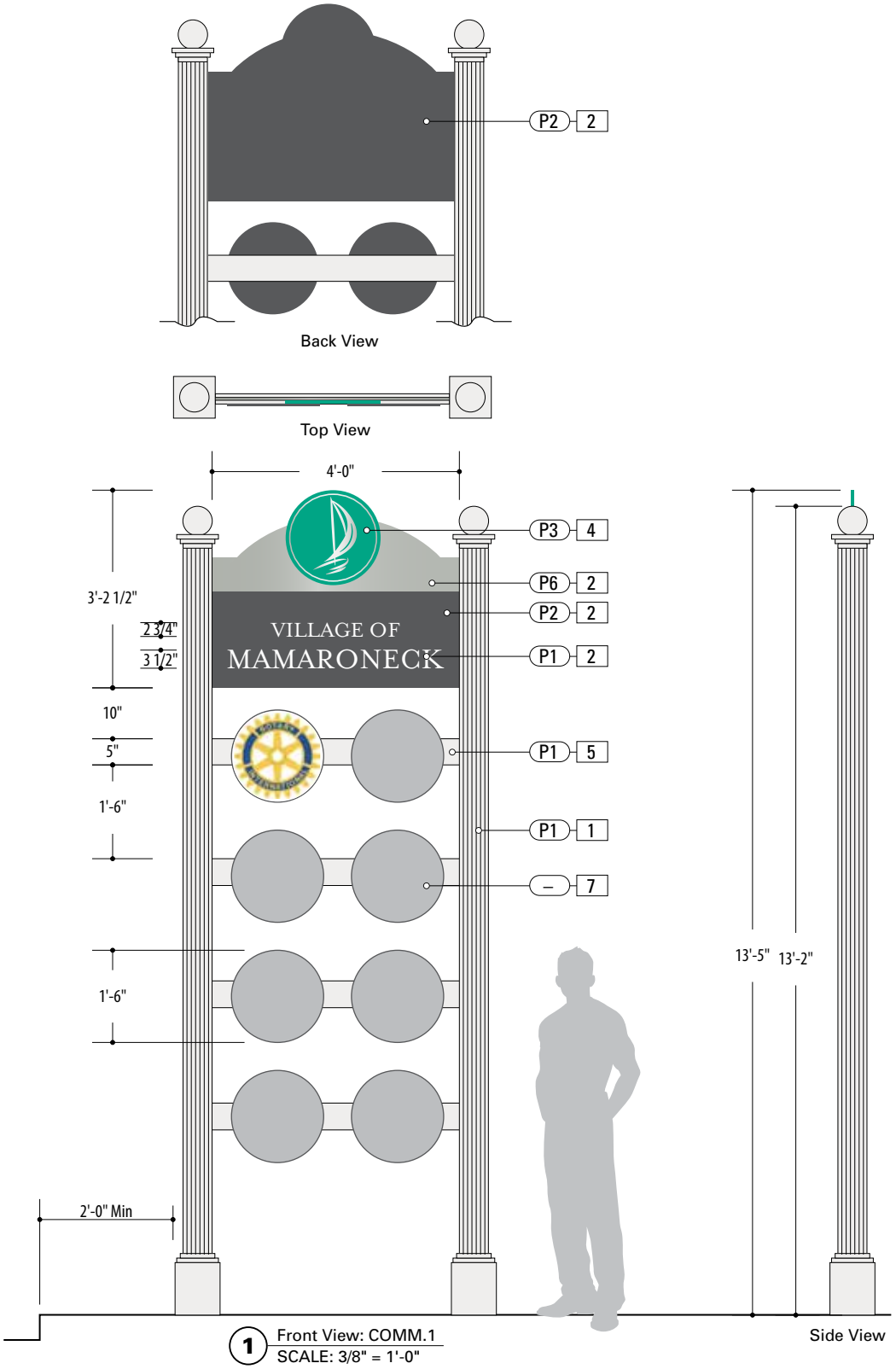
4. 1’-6 1/2” x 1/4” thk. Etched and filled logo panel. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Pin mount to sign panel and VHB Adhesive Bond.

5. 1” thk. Aluminum support bar. Slotted and mechanically fastened to posts. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.

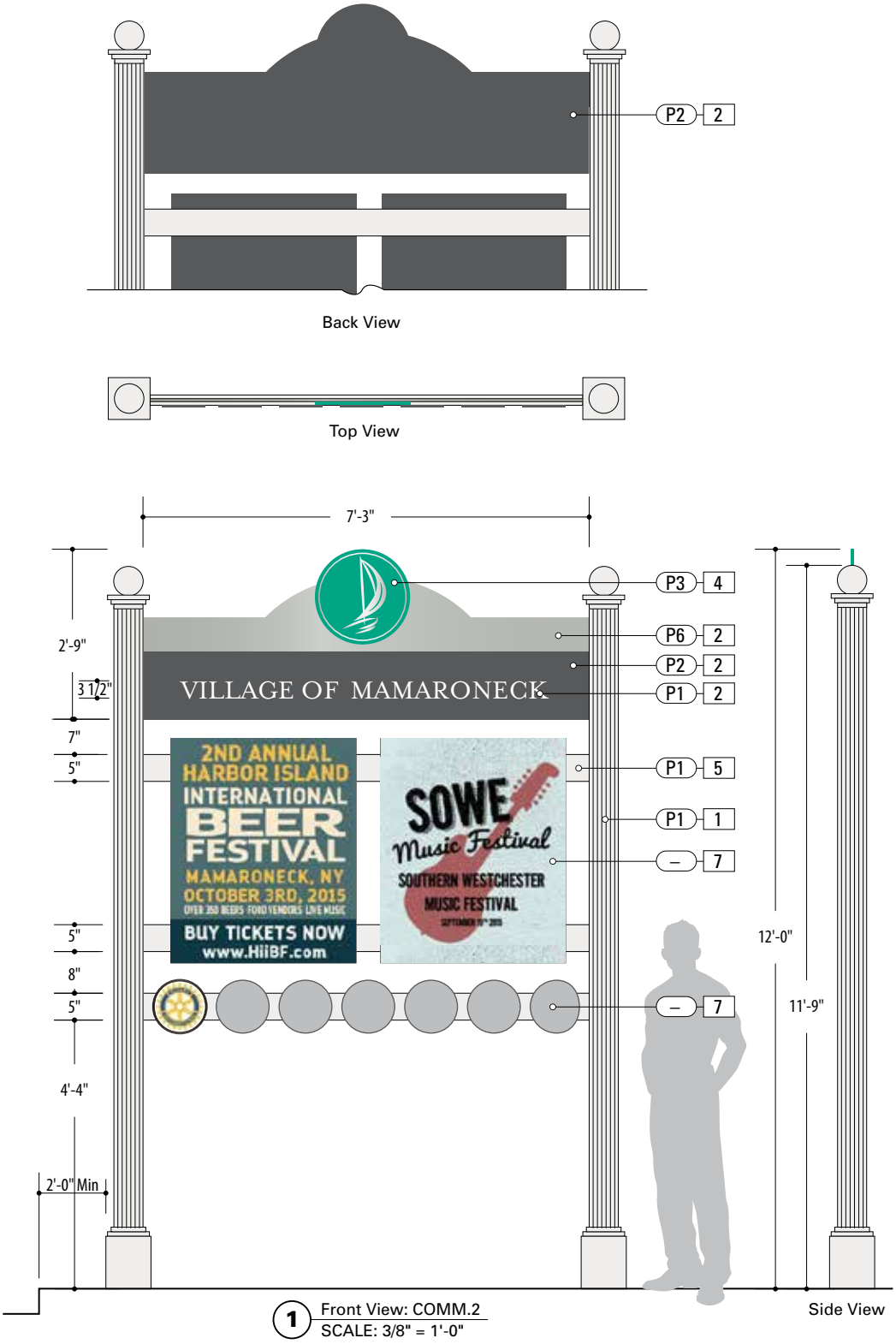
7. Sign Panel: 1/8” Aluminum Sheet. Router Cut. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Mechanically fastens to support bar.

FONTS
“Village of Mamaroneck”
- Mrs. Eaves Bold

Reference Footer Drawings in Details Section.



1 Front View: COMM.1
SCALE: 3/8" = 1'-0"



1 Front View: COMM.2
SCALE: 3/8" = 1'-0"

COMM.2
Community Board

FABRICATION DETAILS

1. 5”x5”x.25” Square Fluted Aluminum Post. Custom cast Aluminum finial and base cover. Breakaway Post as per NYSDOT.

2. Sign Panel: 1/4” Aluminum Sheet. Router Cut. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Mechanically fastens to sign post with L-Bracket.

4. 1’-6 1/2” x 1/4” thk. Etched and filled logo panel. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Pin mount to sign panel and VHB Adhesive Bond.

5. 1” thk. Aluminum support bar. Slotted and mechanically fastened to posts. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.

7. Sign Panel: 1/8” Aluminum Sheet. Router Cut. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Mechanically fastens to support bar.

FONTS
“Village of Mamaroneck”
- Mrs. Eaves Bold

Reference Footer Drawings in Details Section.

VDIR.1

Vehicular Directional

FABRICATION DETAILS

1. 5”x5”x.25” Square Fluted Aluminum Post. Custom cast Aluminum base cover. Breakaway Post as per NYSDOT.

2. Sign Panel: 1/4” Aluminum Sheet. Router Cut. GRAPHIC BACKGROUND AND COPY PROCESS: 3M custom inks print direct to 3930 with 3M approved UV/Graffiti Vinyl Over-laminate. (See Color Sheet for all color and material specifications) Press-roll per 3M requirements. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Plug weld to U-Channel Bracket.

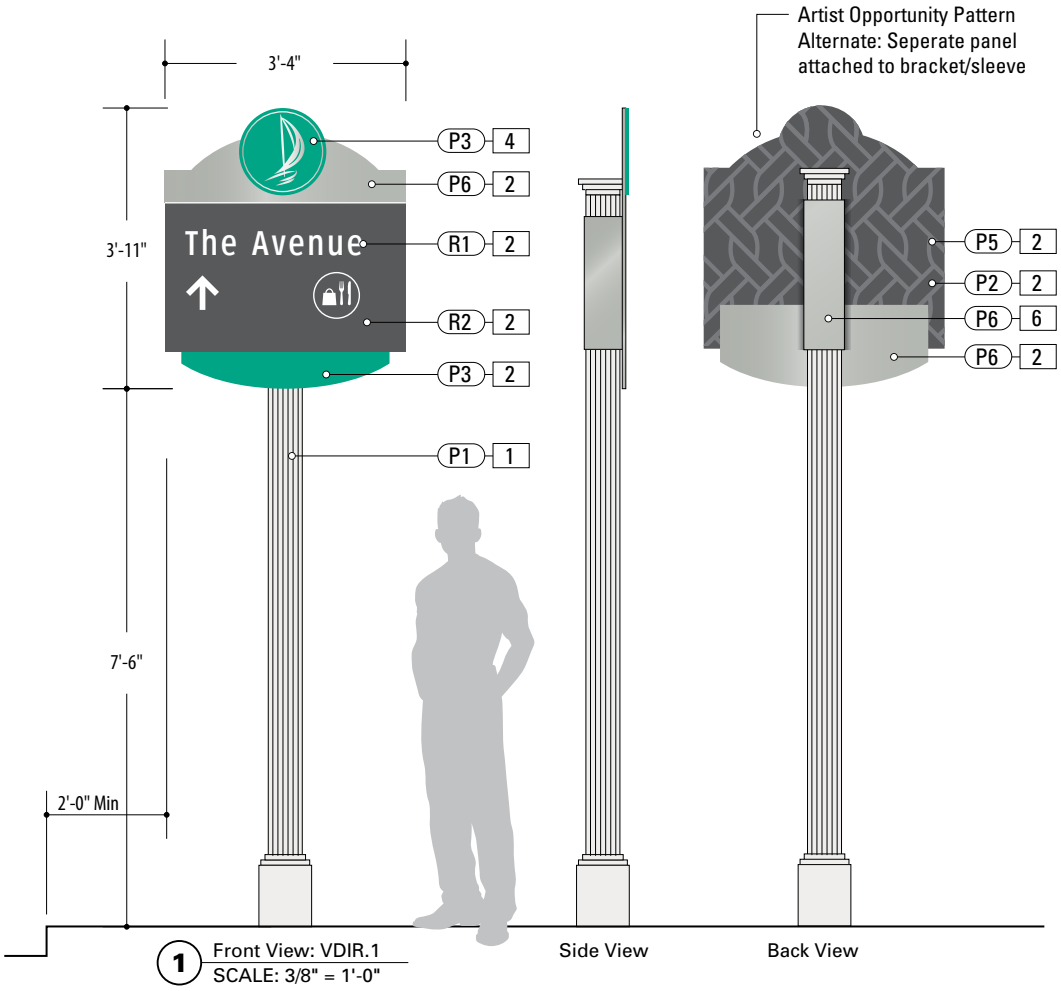
4. 1’-2 1/2” x1/4” thk. Etched and filled logo panel. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Pin mount to sign panel and VHB Adhesive Bond.

6. 2-3/16” thk. Aluminum U-Channel Brackets create Sleeve around post. Finish: Square, smooth. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Weld to sign panel. Mechanically fastened to post (Tamper-Resistant)

FONTS:
4” Cap Height - Clearview

Reference Footer Drawings in Details Section

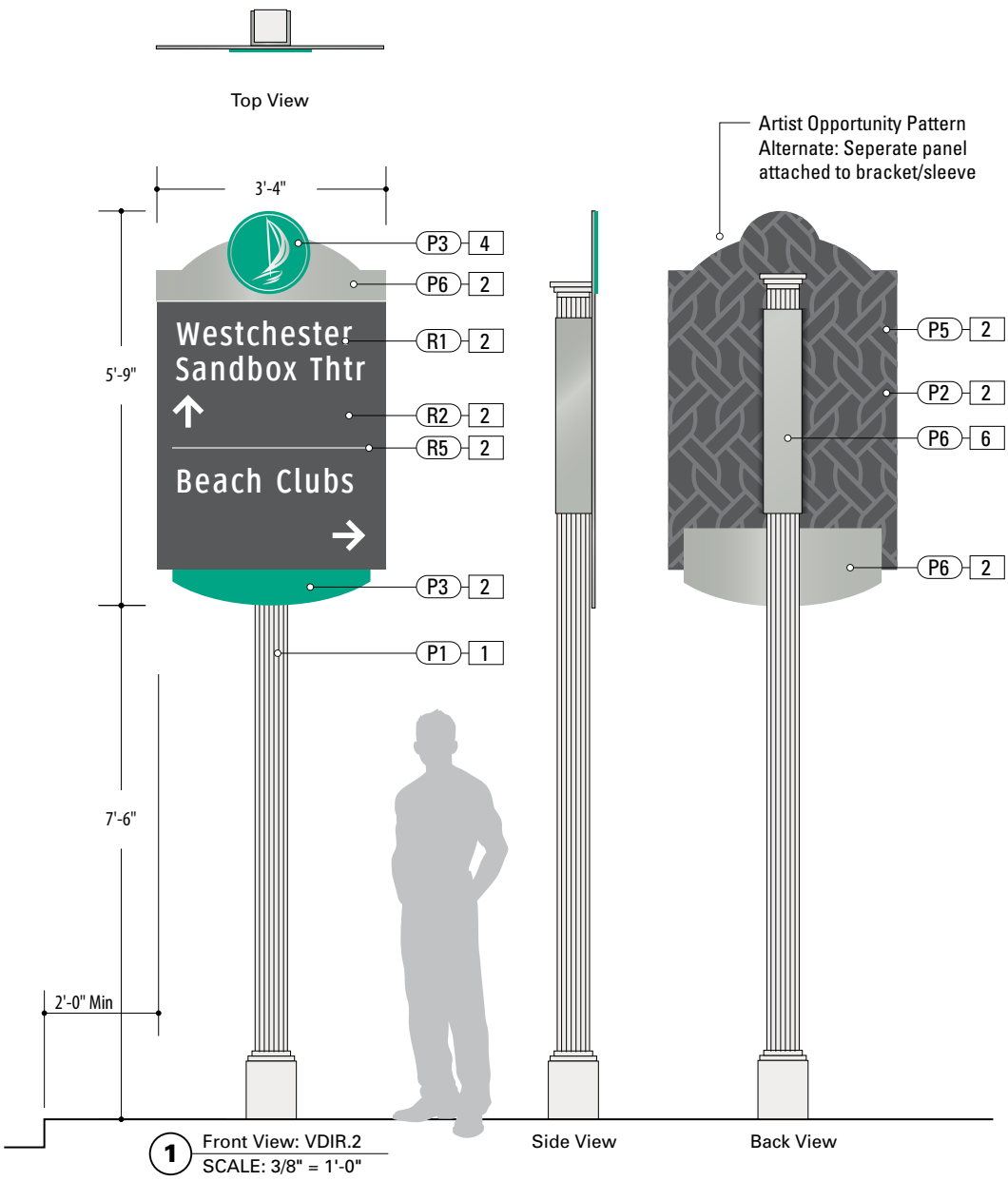
Top View



1 Front View: VDIR.1
SCALE: 3/8" = 1'-0"

Side View

Back View



VDIR.2

Vehicular Directional

FABRICATION DETAILS

1. 5”x5”x.25” Square Fluted Aluminum Post. Custom cast Aluminum base cover. Breakaway Post as per NYSDOT.

2. Sign Panel: 1/4” Aluminum Sheet. Router Cut. GRAPHIC BACKGROUND AND COPY PROCESS: 3M custom inks print direct to 3930 with 3M approved UV/Graffiti Vinyl Over-laminate. (See Color Sheet for all color and material specifications) Press-roll per 3M requirements. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Plug weld to U-Channel Bracket.

4. 1’-2 1/2” x1/4” thk. Etched and filled logo panel. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Pin mount to sign panel and VHB Adhesive Bond.

6. 2-3/16” thk. Aluminum U-Channel Brackets create Sleeve around post. Finish: Square, smooth. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Weld to sign panel. Mechanically fastened to post (Tamper-Resistant)

FONTS:
4” Cap Height - Clearview

Reference Footer Drawings in Details Section

VDIR.3

Vehicular Directional

FABRICATION DETAILS

1. 5”x5”x.25” Square Fluted Aluminum Post. Custom cast Aluminum base cover. Breakaway Post as per NYSDOT.

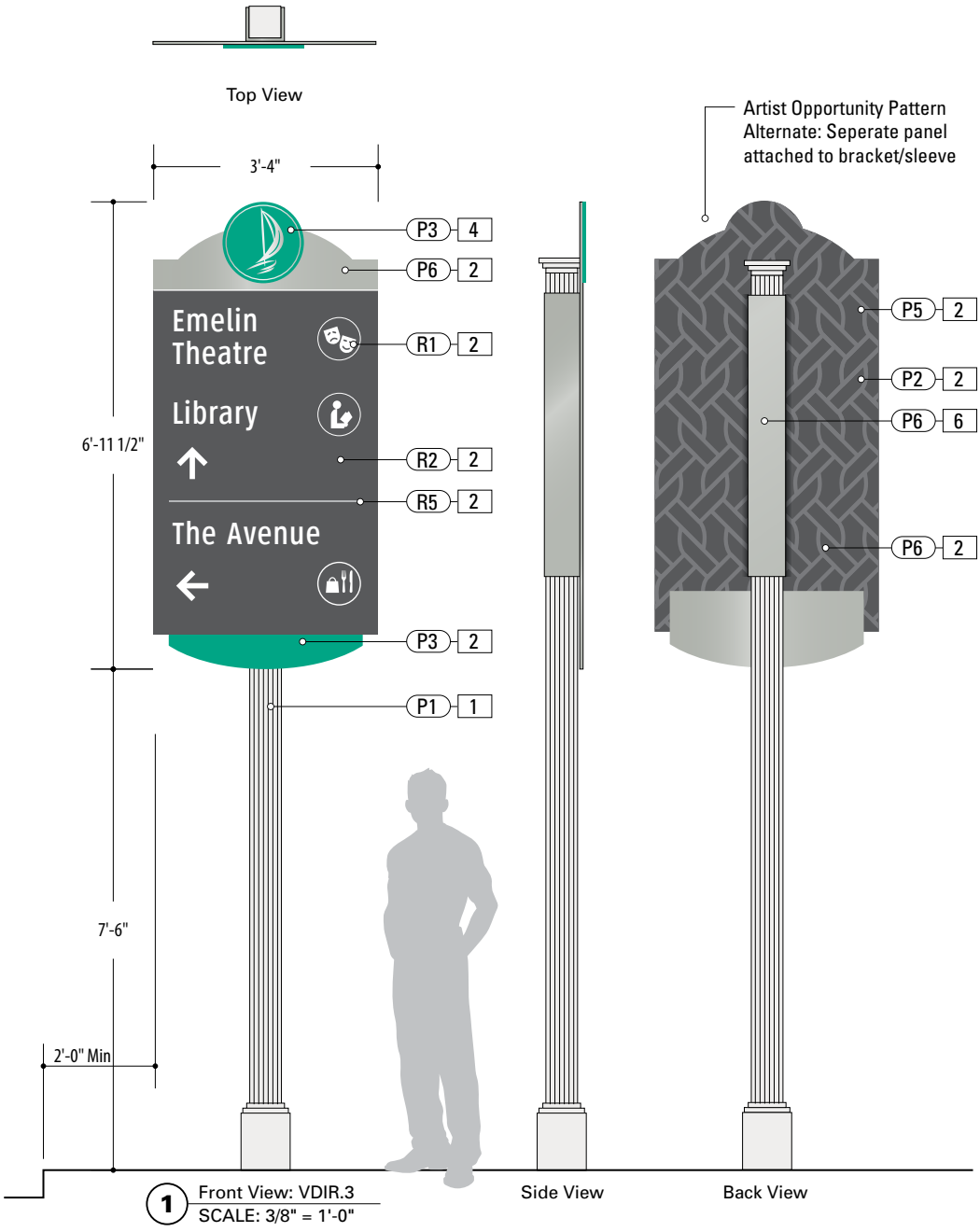
2. Sign Panel: 1/4” Aluminum Sheet. Router Cut. GRAPHIC BACKGROUND AND COPY PROCESS: 3M custom inks print direct to 3930 with 3M approved UV/Graffiti Vinyl Over-laminate. (See Color Sheet for all color and material specifications) Press-roll per 3M requirements. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Plug weld to U-Channel Bracket.

4. 1’-2 1/2” x1/4” thk. Etched and filled logo panel. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Pin mount to sign panel and VHB Adhesive Bond.

6. 2-3/16” thk. Aluminum U-Channel Brackets create Sleeve around post. Finish: Square, smooth. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Weld to sign panel. Mechanically fastened to post (Tamper-Resistant)

FONTS:
4” Cap Height - Clearview

Reference Footer Drawings in Details Section



TRAIL.1

Vehicular Trailblazer

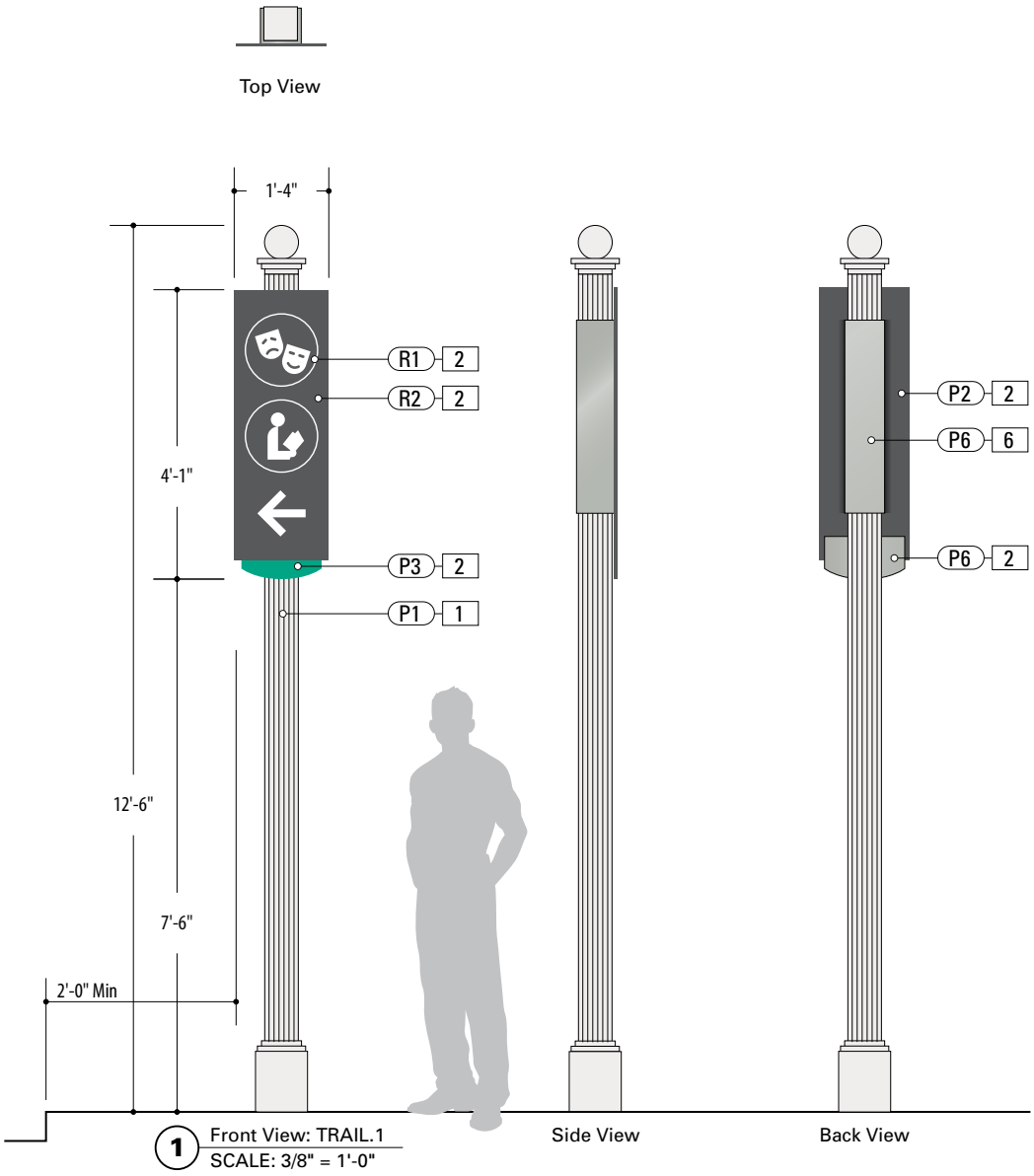
FABRICATION DETAILS

1. 5”x5”x.25” Square Fluted Aluminum Post. Custom cast Aluminum finial and base cover. Breakaway Post as per NYSDOT.

2. Sign Panel: 1/4” Aluminum Sheet. Router Cut. GRAPHIC BACKGROUND AND COPY PROCESS: 3M custom inks print direct to 3930 with 3M approved UV/Graffiti Vinyl Over-laminate. (See Color Sheet for all color and material specifications) Press-roll per 3M requirements. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Plug weld to U-Channel Bracket.

6. 2-3/16” thk. Aluminum U-Channel Brackets create Sleeve around post. Finish: Square, smooth. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Weld to sign panel. Mechanically fastened to post (Tamper-Resistant)

Reference Footer Drawings in Details Section



VDIR.4

Vehicular Directional

FABRICATION DETAILS

1. 5”x5”x.25” Square Fluted Aluminum Post. Custom cast Aluminum base cover. Breakaway Post as per NYSDOT.

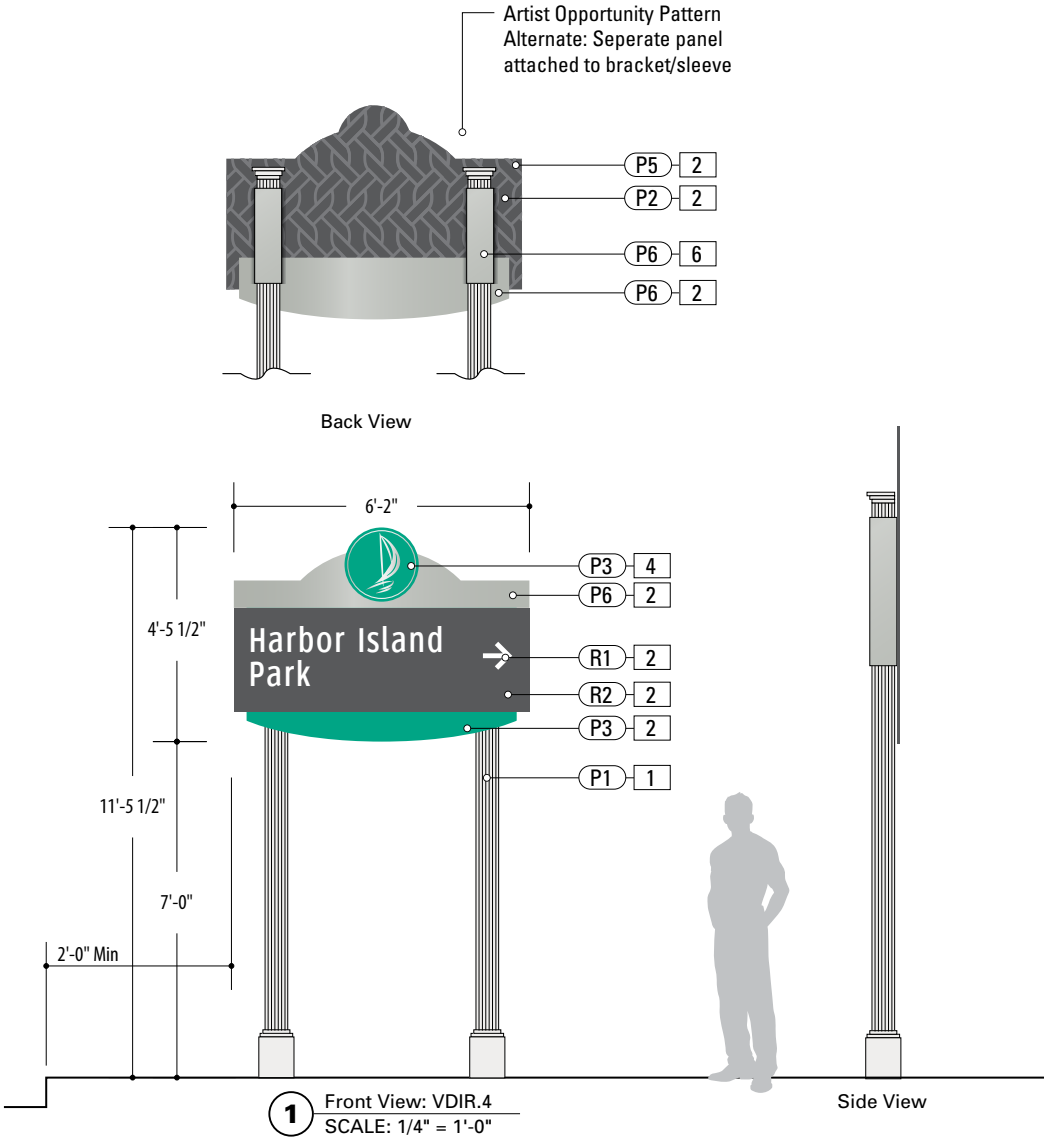
2. Sign Panel: 1/4” Aluminum Sheet. Router Cut. GRAPHIC BACKGROUND AND COPY PROCESS: 3M custom inks print direct to 3930 with 3M approved UV/Graffiti Vinyl Over-laminate. (See Color Sheet for all color and material specifications) Press-roll per 3M requirements. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Plug weld to U-Channel Bracket.

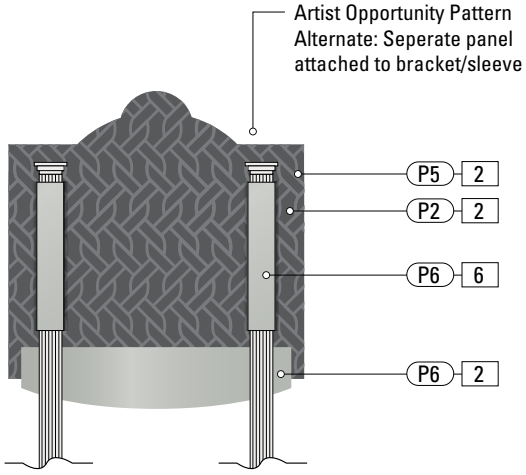
4. 1’-2 1/2” x1/4” thk. Etched and filled logo panel. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Pin mount to sign panel and VHB Adhesive Bond.

6. 2-3/16” thk. Aluminum U-Channel Brackets create Sleeve around post. Finish: Square, smooth. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Weld to sign panel. Mechanically fastened to post (Tamper-Resistant)

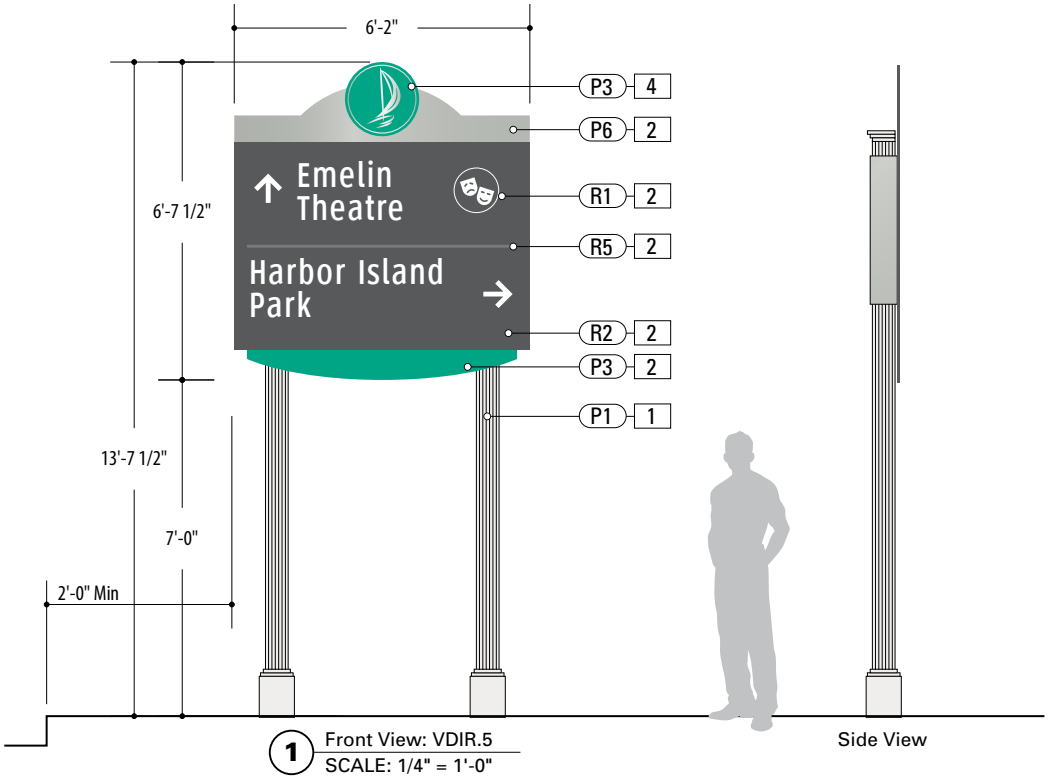
FONTS:
6” Cap Height - Clearview

Reference Footer Drawings in Details Section





Back View



1 Front View: VDIR.5
SCALE: 1/4" = 1'-0"

Side View

VDIR.5

Vehicular Directional

FABRICATION DETAILS

1. 5”x5”x.25” Square Fluted Aluminum Post. Custom cast Aluminum base cover. Breakaway Post as per NYSDOT.

2. Sign Panel: 1/4” Aluminum Sheet. Router Cut. GRAPHIC BACKGROUND AND COPY PROCESS: 3M custom inks print direct to 3930 with 3M approved UV/Graffiti Vinyl Over-laminate. (See Color Sheet for all color and material specifications) Press-roll per 3M requirements. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Plug weld to U-Channel Bracket.

4. 1’-2 1/2” x1/4” thk. Etched and filled logo panel. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Pin mount to sign panel and VHB Adhesive Bond.

6. 2-3/16” thk. Aluminum U-Channel Brackets create Sleeve around post. Finish: Square, smooth. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Weld to sign panel. Mechanically fastened to post (Tamper-Resistant)

FONTS:
6” Cap Height - Clearview

Reference Footer Drawings in Details Section

VDIR.6

Vehicular Directional

FABRICATION DETAILS

1. 5”x5”x.25” Square Fluted Aluminum Post. Custom cast Aluminum base cover. Breakaway Post as per NYSDOT.

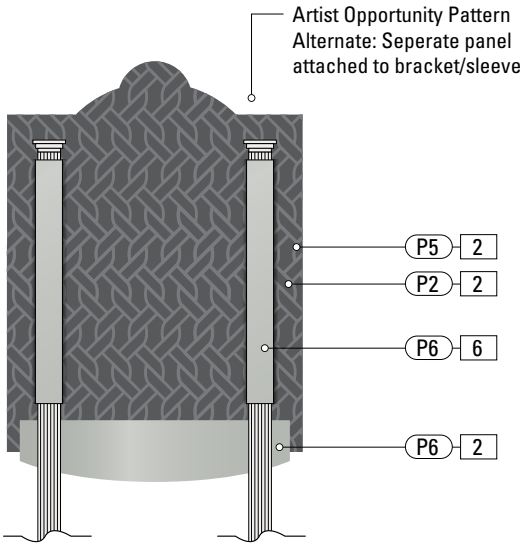
2. Sign Panel: 1/4” Aluminum Sheet. Router Cut. GRAPHIC BACKGROUND AND COPY PROCESS: 3M custom inks print direct to 3930 with 3M approved UV/Graffiti Vinyl Over-laminate. (See Color Sheet for all color and material specifications) Press-roll per 3M requirements. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Plug weld to U-Channel Bracket.

4. 1’-2 1/2” x1/4” thk. Etched and filled logo panel. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Pin mount to sign panel and VHB Adhesive Bond.

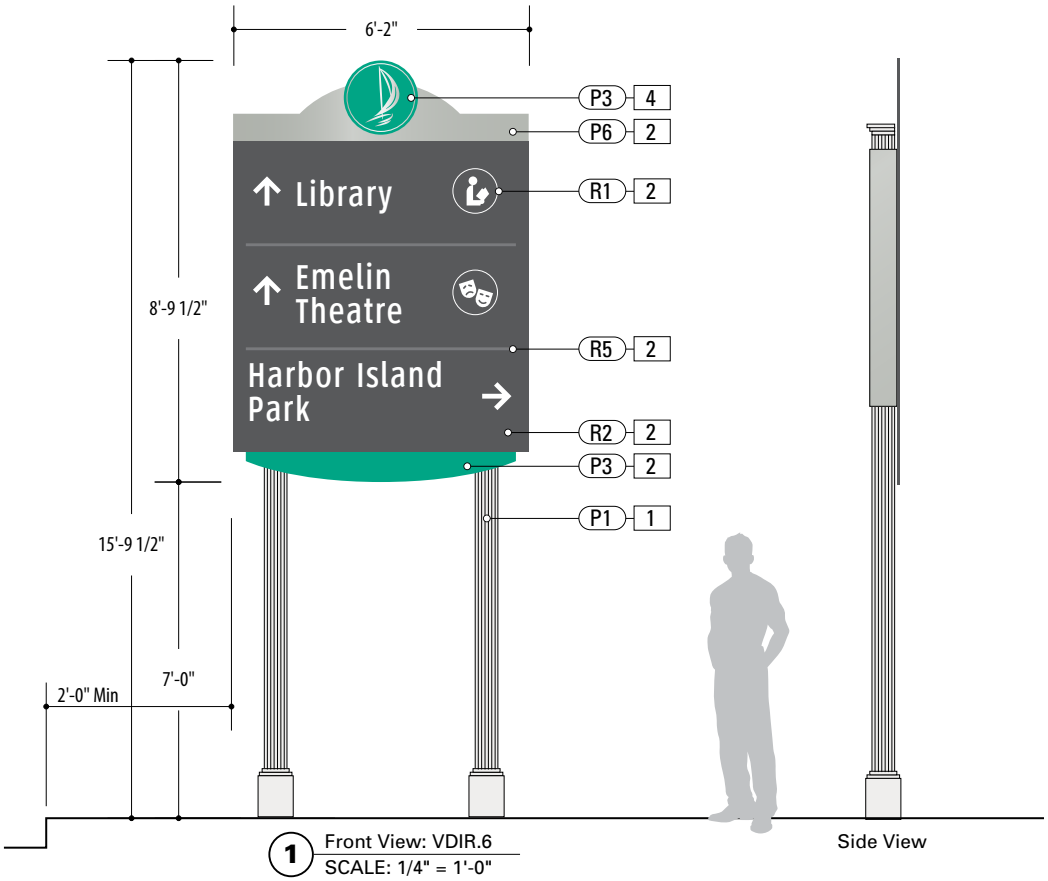
6. 2-3/16” thk. Aluminum U-Channel Brackets create Sleeve around post. Finish: Square, smooth. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Weld to sign panel. Mechanically fastened to post (Tamper-Resistant)

FONTS:
6” Cap Height - Clearview

Reference Footer Drawings in Details Section

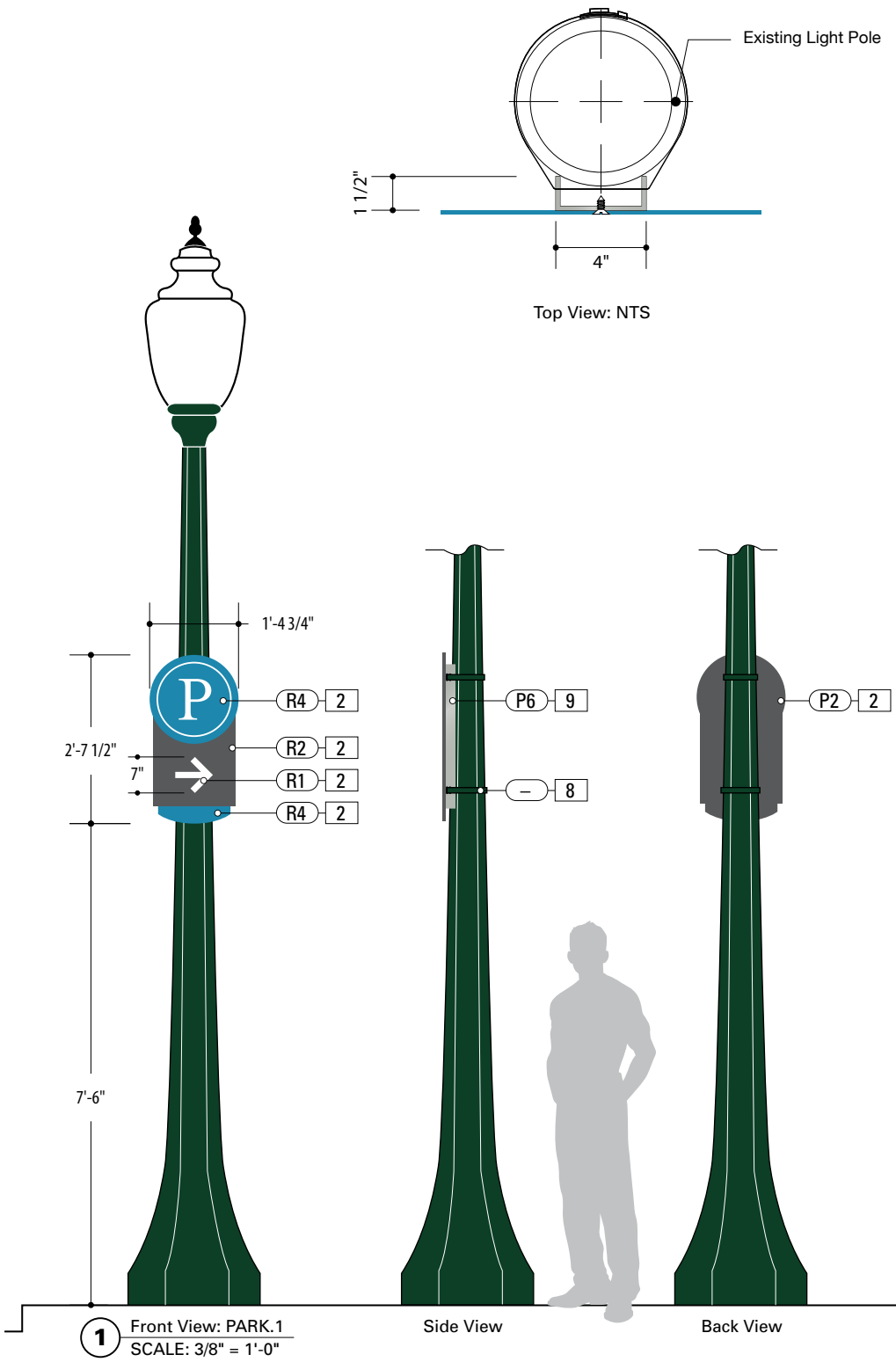


Back View



1 Front View: VDIR.6
SCALE: 1/4" = 1'-0"

Side View



PARK.1

Parking Trailblazer

FABRICATION DETAILS

2. Sign Panel: 1/8" Aluminum Sheet. Router Cut. GRAPHIC BACKGROUND AND COPY PROCESS: 3M custom inks print direct to 3930 with 3M approved UV/Graffiti Vinyl Over-laminate. (See Color Sheet for all color and material specifications) Press-roll per 3M requirements. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Plug weld to U-Channel Bracket.

8. Pole Strap Attachment: 3/4" Band-It Band or approved equal. Type 201 SS, with Color-It cover to match green street poles. Fasten with Ultra-Lok® Free End clamps.

NOTE: Sign Contractor to coordinate the removal or movement of interfering existing signs on utility poles, with the city.

9. 3/16" Aluminum U-Channel Bracket. Finish: Smooth, Square. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Tamper-resistant mechanically fastened to Sign Panel. SS strap-mounted to utility pole.

PARK.1a

Parking Trailblazer

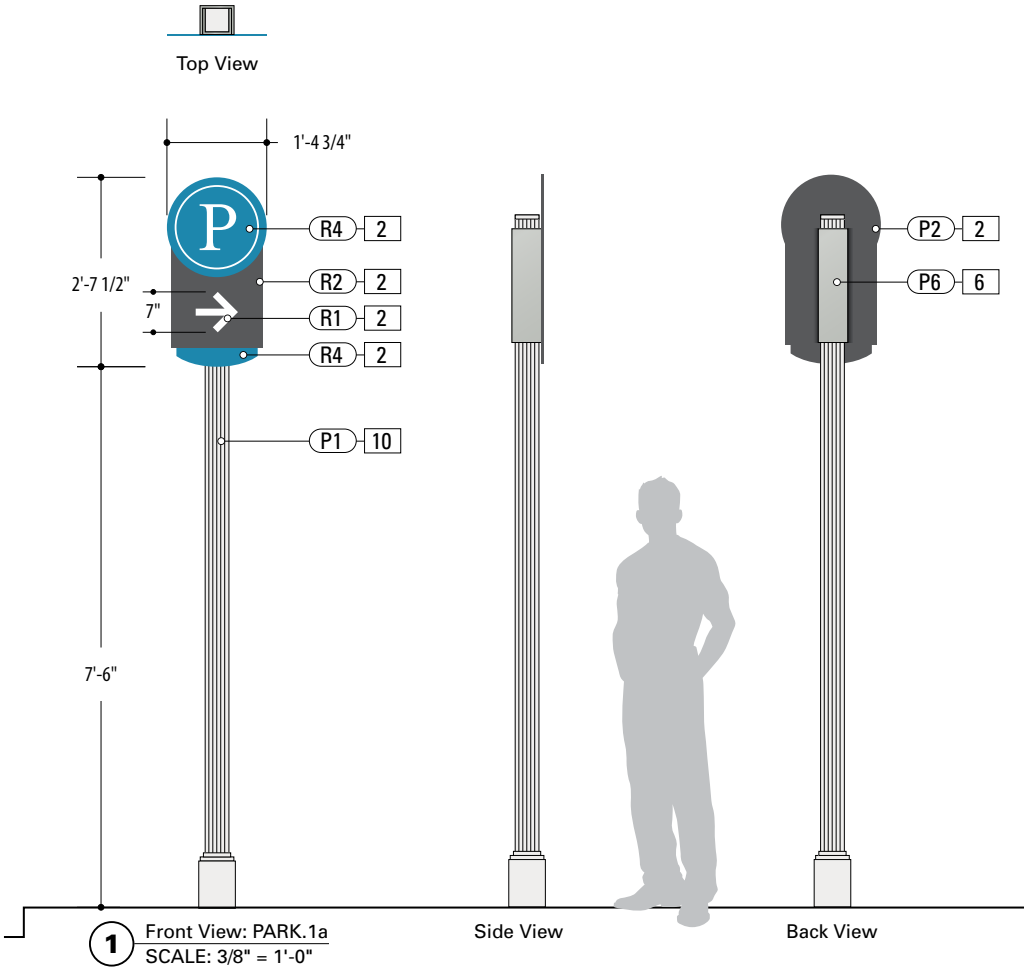
FABRICATION DETAILS

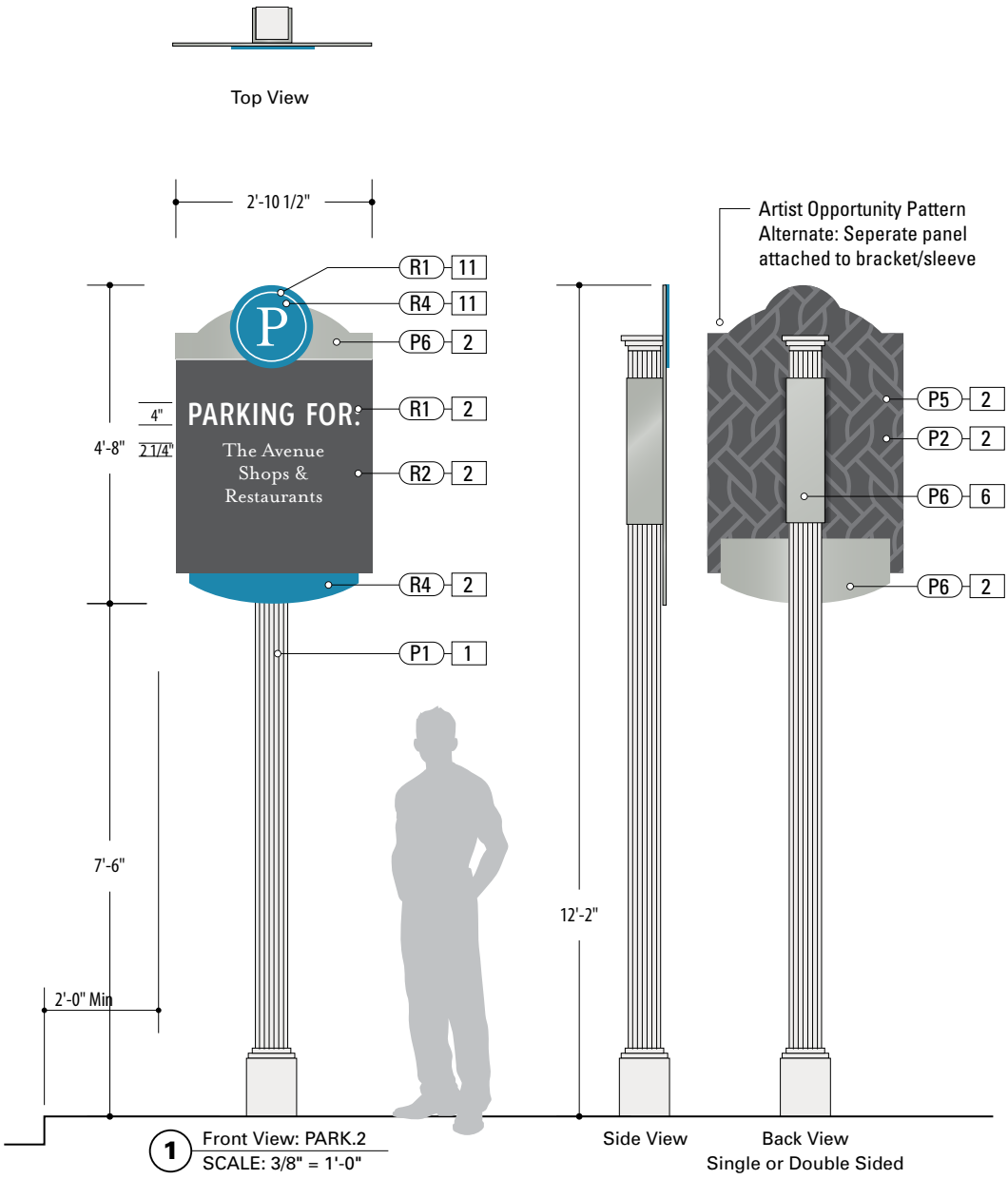
2. Sign Panel: 1/8” Aluminum Sheet. Router Cut. GRAPHIC BACKGROUND AND COPY PROCESS: 3M custom inks print direct to 3930 with 3M approved UV/Graffiti Vinyl Over-laminate. (See Color Sheet for all color and material specifications) Press-roll per 3M requirements. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Plug weld to U-Channel Bracket.

6. 2-3/16” thk. Aluminum U-Channel Brackets create Sleeve around post. Finish: Square, smooth. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Weld to sign panel. Mechanically fastened to post (Tamper-Resistant)

10. 4”x4”x.25” Square Fluted Aluminum Post. Custom cast Aluminum base cover. Breakaway Post as per NYSDOT.

Reference Footer Drawings in Details Section





These drawings are meant for DESIGN INTENT ONLY and are not for construction. Contractor shall verify and be responsible for all dimensions and conditions of the job. Contractor shall be familiar with the site and conditions it presents. This office must be notified of any variations from the dimensions and conditions shown on this drawing. Shop drawings and details must be submitted to this office for approval prior to proceeding with fabrication. All copy shall be proofread by client and legal requirements checked by legal department.

PARK.2

Parking Identification

FABRICATION DETAILS

1. 5”x5”x.25” Square Fluted Aluminum Post. Custom cast Aluminum base cover. Breakaway Post as per NYSDOT.

2. Sign Panel: 1/4” Aluminum Sheet. Router Cut. GRAPHIC BACKGROUND AND COPY PROCESS: 3M custom inks print direct to 3930 with 3M approved UV/Graffiti Vinyl Over-laminate. (See Color Sheet for all color and material specifications) Press-roll per 3M requirements. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Plug weld to U-Channel Bracket.

6. 2-3/16” thk. Aluminum U-Channel Brackets create Sleeve around post. Finish: Square, smooth. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Weld to sign panel. Mechanically fastened to post (Tamper-Resistant)

11. 1’-2 1/2” x1/4” thk panel. GRAPHIC BACKGROUND AND COPY PROCESS: 3M custom inks print direct to 3930 with 3M approved UV/Graffiti Vinyl Over-laminate. (See Color Sheet for all color and material specifications) Press-roll per 3M requirements. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Pin mount to sign panel and VHB Adhesive Bond.

FONTS:
“PARKING FOR:”
-Clearview -4” Cap Height

Destination Text
-Mrs Eaves Roman - 2 1/4” Cap Height

Reference Footer Drawings in Details Section

PARK.3

Parking Identification

FABRICATION DETAILS

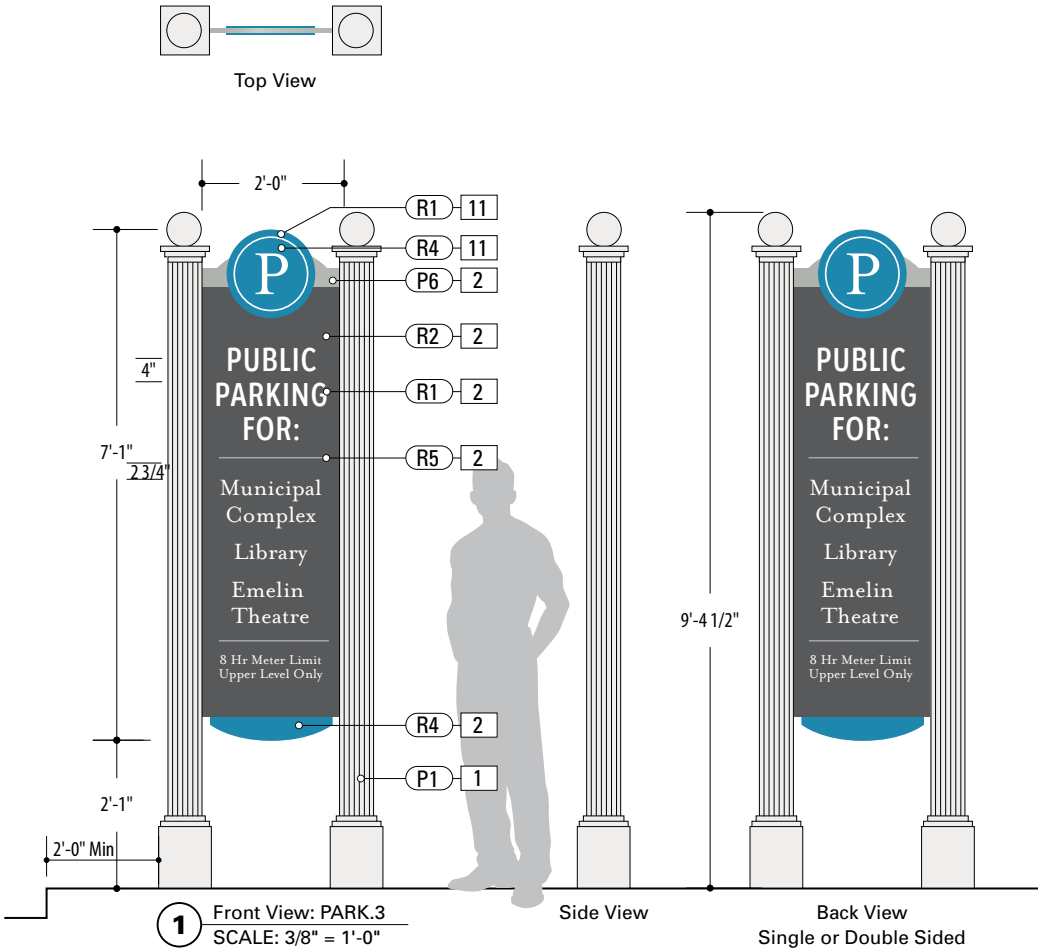
1. 5”x5”x.25” Square Fluted Aluminum Post. Custom cast Aluminum finial and base cover. Breakaway Post as per NYSDOT.

2. Sign Panel: 1/4” Aluminum Sheet. Router Cut. GRAPHIC BACKGROUND AND COPY PROCESS: 3M custom inks print direct to 3930 with 3M approved UV/Graffiti Vinyl Over-laminate. (See Color Sheet for all color and material specifications) Press-roll per 3M requirements. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Mechanically fastern to post with L-Brackets.

11. 1’-2 1/2” x1/4” thk panel. GRAPHIC BACKGROUND AND COPY PROCESS: 3M custom inks print direct to 3930 with 3M approved UV/Graffiti Vinyl Over-laminate. (See Color Sheet for all color and material specifications) Press-roll per 3M requirements. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Pin mount to sign panel and VHB Adhesive Bond.

FONTS:
“PARKING FOR:”
-Clearview -4” Cap Height

Destination Text
-Mrs Eaves Roman - 2 3/4” Cap Height

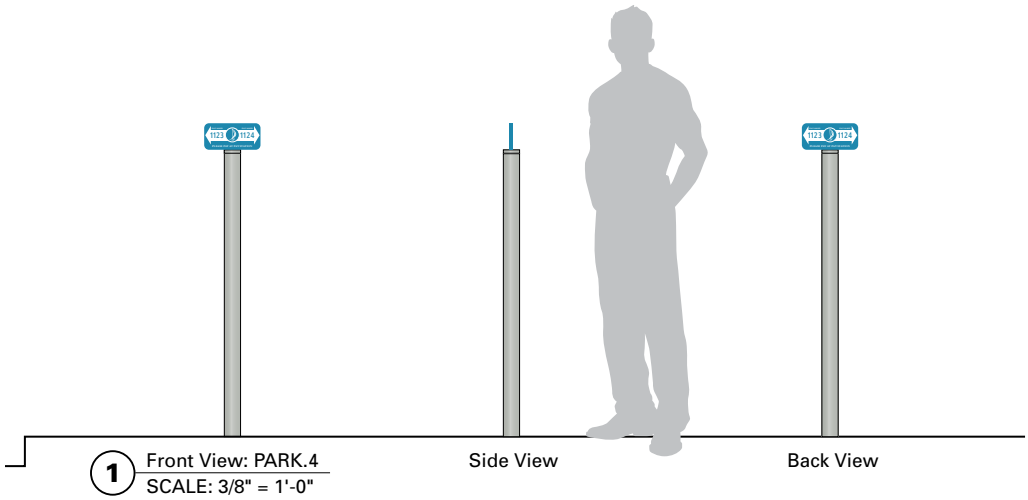


PARK.4

Parking Meter Signage

FABRICATION DETAILS

13. Sign Panel: 1/4” Aluminum Sheet. Router Cut. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Mechanically fastened to post. Tamper Resistant hardware.



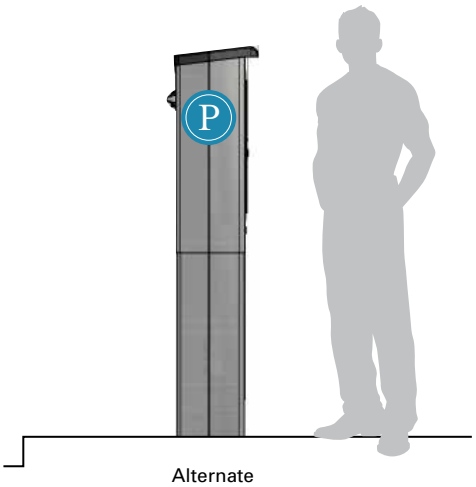
1 Front View: PARK.4
SCALE: 3/8" = 1'-0"

PARK.5

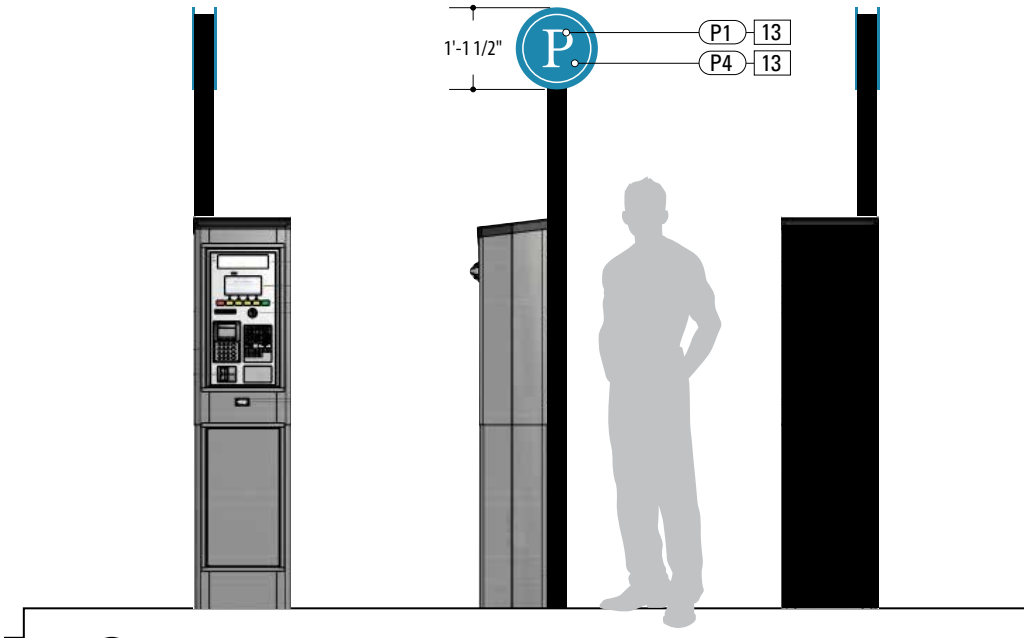
Parking Meter Signage

FABRICATION DETAILS

13. Sign Panel: 1/4” Aluminum Sheet. Router Cut. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Mechanically fastened to post. Tamper Resistant hardware.



Alternate
Parking Symbol only
on side of meters



1 Front View: PARK.5
SCALE: 3/8" = 1'-0"

Side View

Back View

HIST.1
Historic Marker

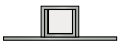
FABRICATION DETAILS

6. 2-3/16” thk. Aluminum U-Channel Brackets create Sleeve around post. Finish: Square, smooth. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Weld to sign panel. Mechanically fastened to post (Tamper-Resistant)

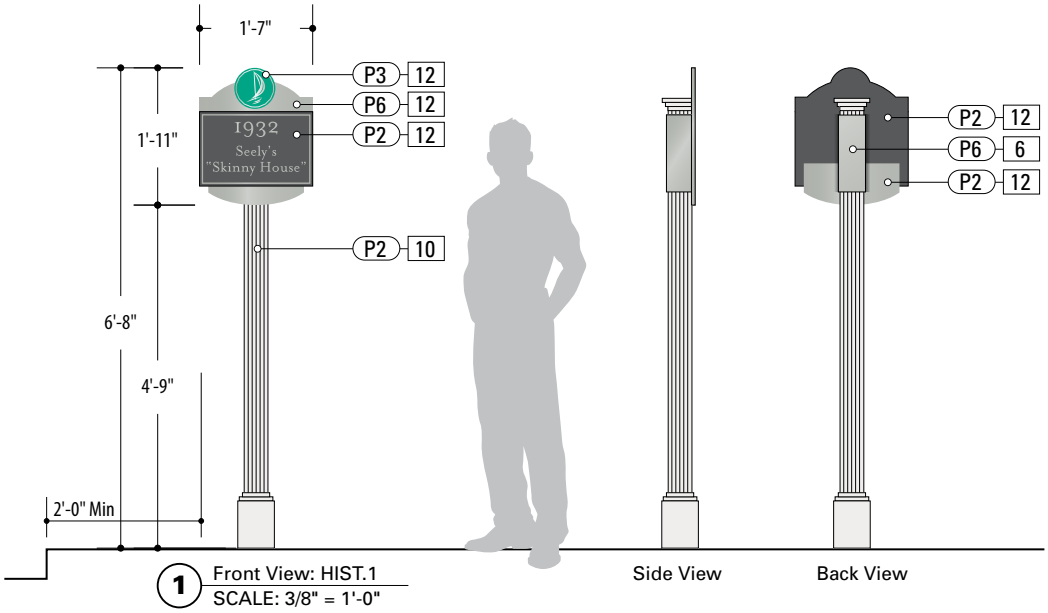
10. 4”x4”x.25” Square Fluted Aluminum Post. Custom cast Aluminum base cover. Direct Bury.

12. 1/4” thk. Etched and filled Aluminum panel. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Plug weld to U-Channel Bracket.

Close-Up View



Top View



1 Front View: HIST.1
SCALE: 3/8" = 1'-0"

Side View

Back View

PED.1

Pedestrian Directional

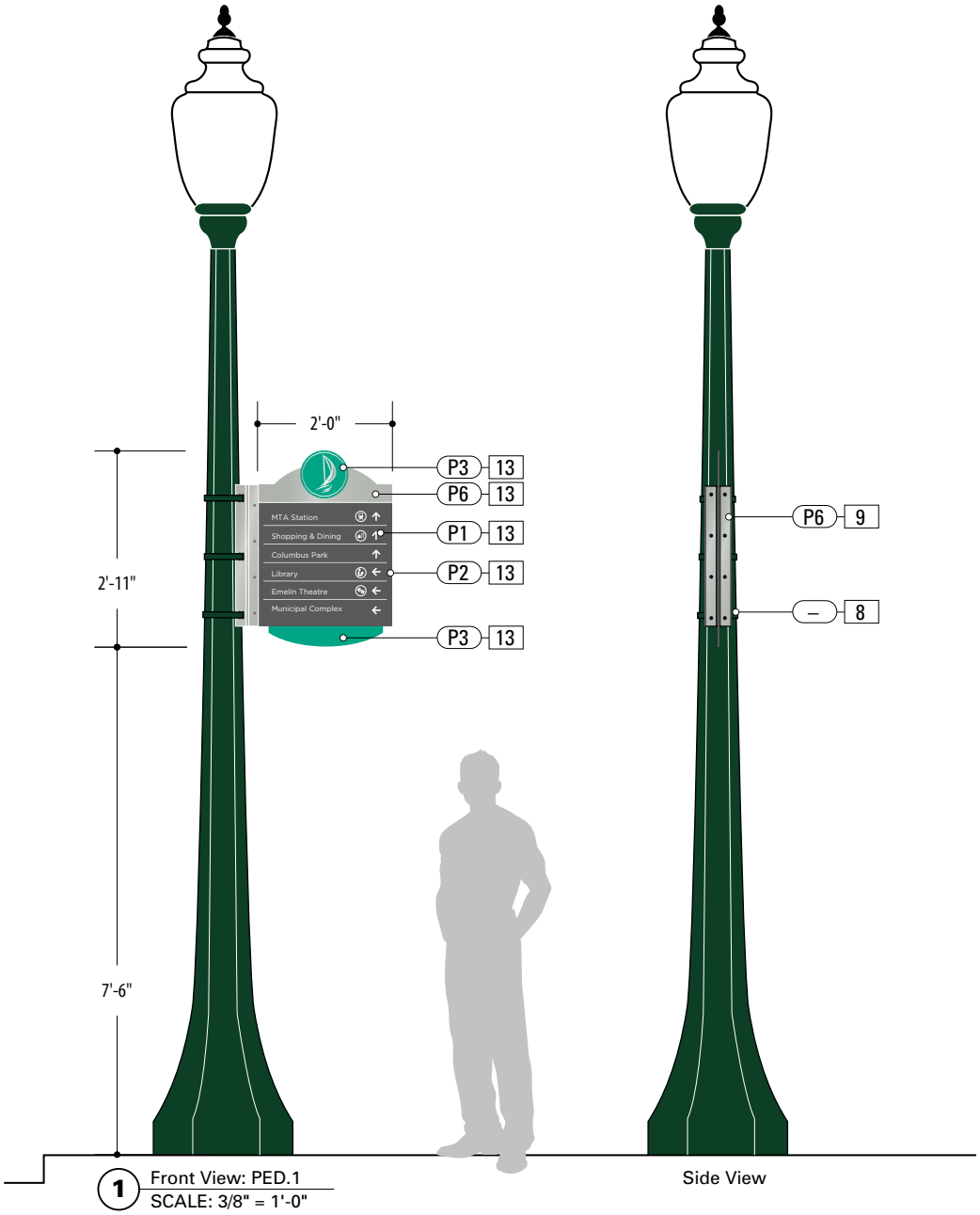
FABRICATION DETAILS

8. Pole Strap Attachment: 3/4" Band-It Band or approved equal. Type 201 SS, with Color-It cover to match green street poles. Fasten with Ultra-Lok® Free End clamps.

NOTE: Sign Contractor to coordinate the removal or movement of interfering existing signs on utility poles, with the city.

9. 3/16" Aluminum U-Channel Bracket. Finish: Smooth, Square. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Tamper-resistant mechanically fastened to Sign Panel. SS strap-mounted to utility pole.

13. Sign Panel: 1/4" Aluminum Sheet. Router Cut. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Mechanically fastened to Sleeve/Bracket with Aluminum Angle. Tamper Resistant hardware.



1 Front View: PED.1
SCALE: 3/8" = 1'-0"

Side View

PED.1a

Pedestrian Directional

FABRICATION DETAILS

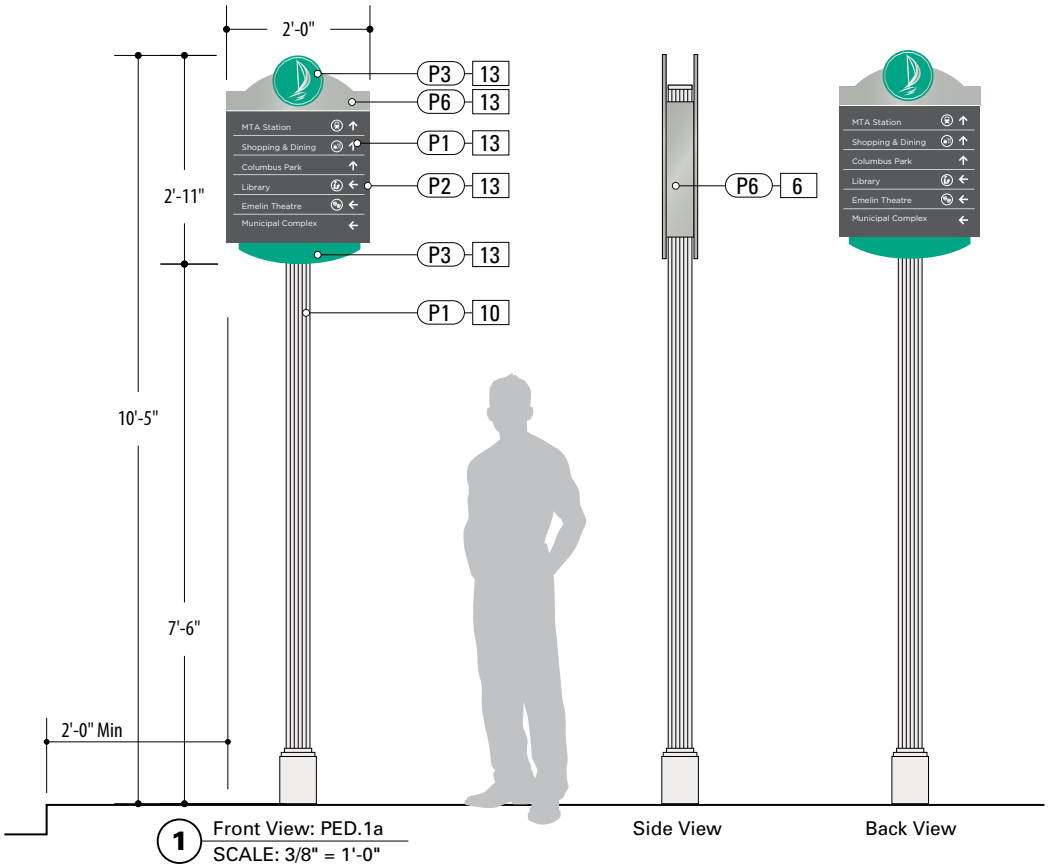
6. 2-3/16” thk. Aluminum U-Channel Brackets create Sleeve around post. Finish: Square, smooth. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Weld to sign panel. Mechanically fastened to post (Tamper-Resistant)

10. 4”x4”x.25” Square Fluted Aluminum Post. Custom cast Aluminum base cover. Direct Bury or breakaway if required by NYSDOT

13. Sign Panel: 1/4” Aluminum Sheet. Router Cut. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Plug weld to sleeve/bracket.

Close-Up View

Top View



1 Front View: PED.1a
SCALE: 3/8" = 1'-0"

Side View

Back View

KIOSK.1

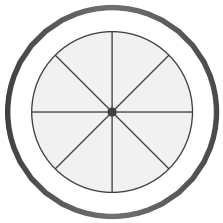
Large Pedestrian Kiosk

FABRICATION DETAILS

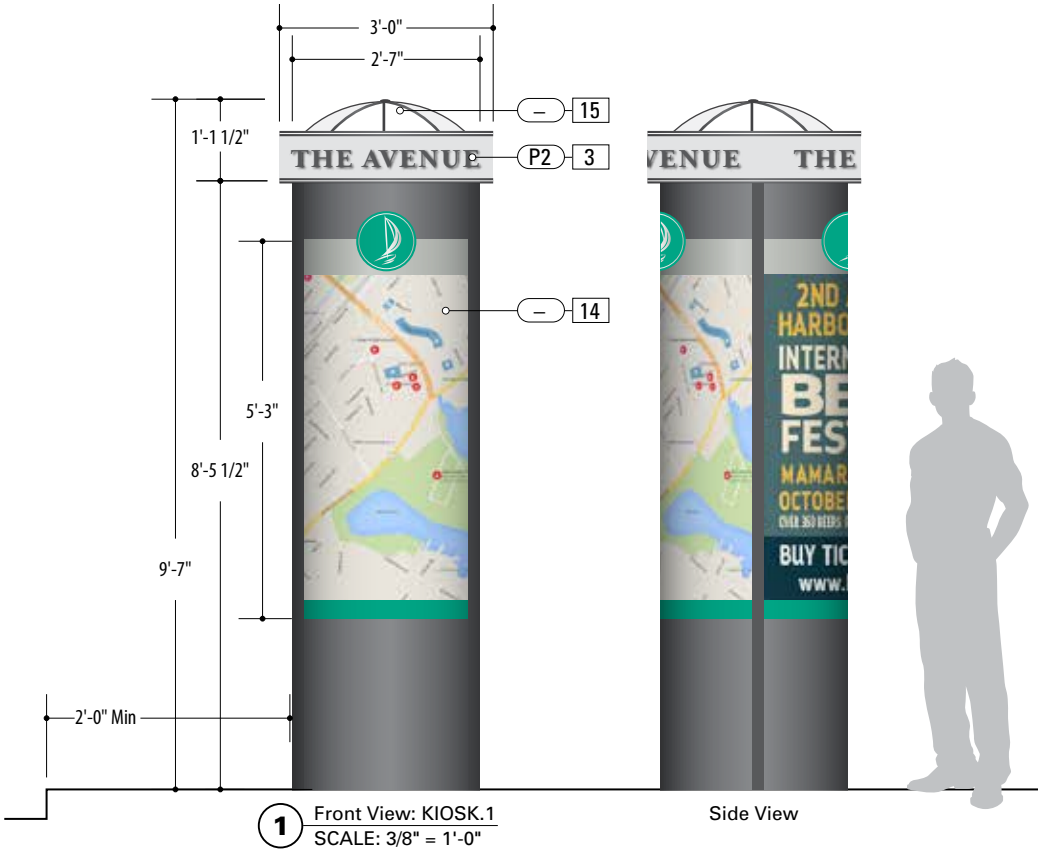
3. 1/4” Aluminum Individual cut letters. Pin mount to kiosk and VHB Adhesive Bond.

14. Round Kiosk Structure: 2 or 3 sides for information, with internally Illuminated Map.

15. LED Illuminated dome light fixture on top of kiosk.



Top View



1 Front View: KIOSK.1
SCALE: 3/8" = 1'-0"

Side View

KIOSK.2

Pedestrian Kiosk

FABRICATION DETAILS

2. Sign Panel: 1/4” Aluminum Sheet. Router Cut. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Mechanically fastens to sign post with L-Bracket.

4. 10” x1/4” thk. Etched and filled logo panel. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Pin mount to sign panel and VHB Adhesive Bond.

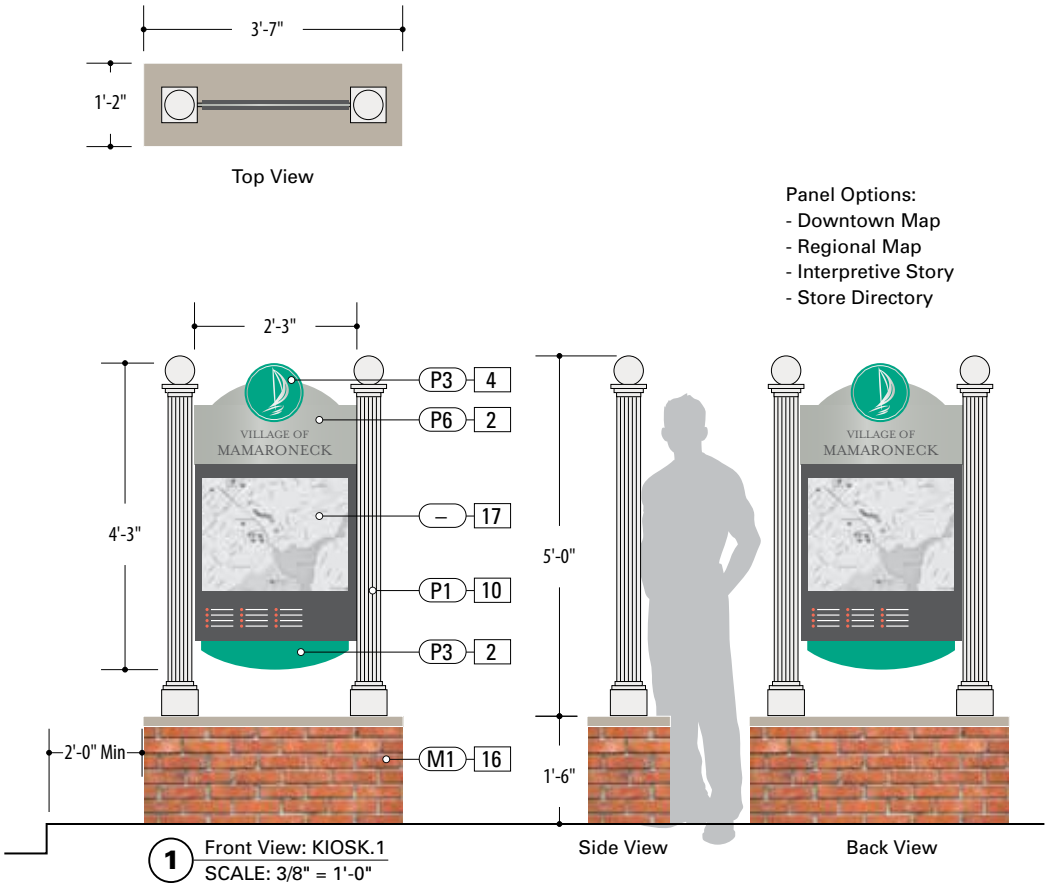
10. 4”x4”x.25” Square Fluted Aluminum Post. Custom cast Aluminum finial and base cover.

16. Brick Base with formed concrete cap. Partition cinderblock core and brick facade to match streetscape plan, or chosen by client. Modular or Standard brick.

17. Map Panel: 1/8” Thk. - Final Spec. T.B.D. by Client

Opt 01 - Aluminum Panel w/ Dye-Sub Print Graphics

Opt 02 - Custom High Pressure Laminate



KIOSK.3

Small Pedestrian Kiosk

FABRICATION DETAILS

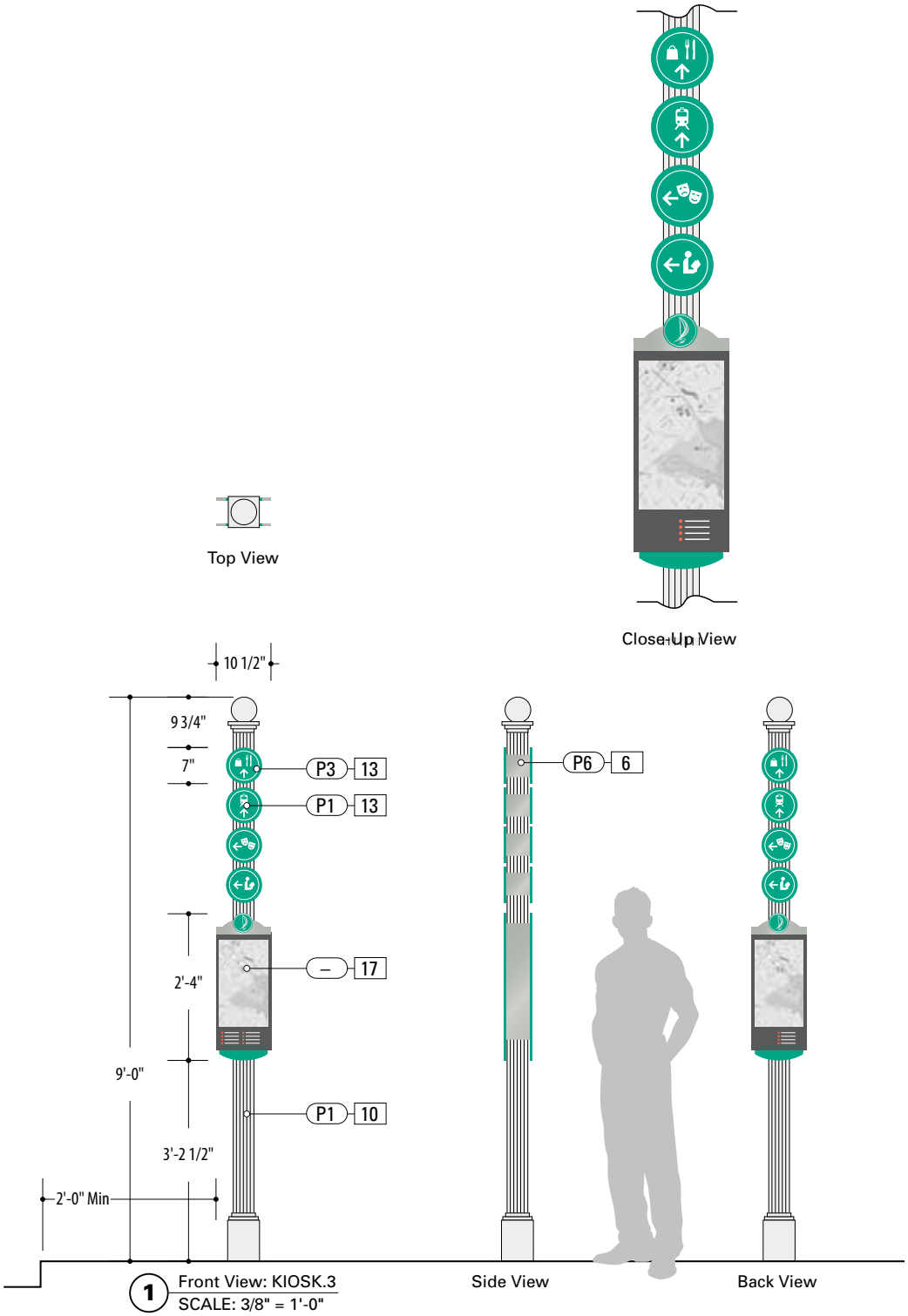
6. 2-3/16” thk. Aluminum U-Channel Brackets create Sleeve around post. Finish: Square, smooth. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Weld to sign panel. Mechanically fastened to post (Tamper-Resistant)

13. Sign Panel: 1/4” Aluminum Sheet. Router Cut. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Plug weld to sleeve/bracket.

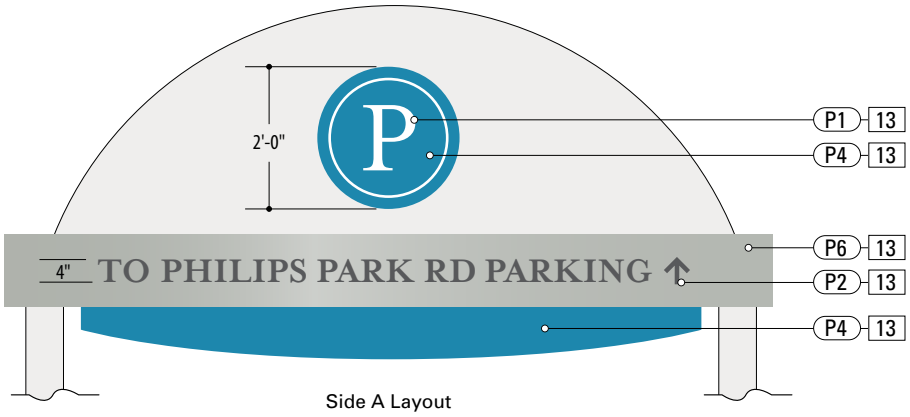
17. Map Panel: 1/8” Thk. - Final Spec. T.B.D. by Client

Opt 01 - Aluminum Panel w/ Dye-Sub Print Graphics

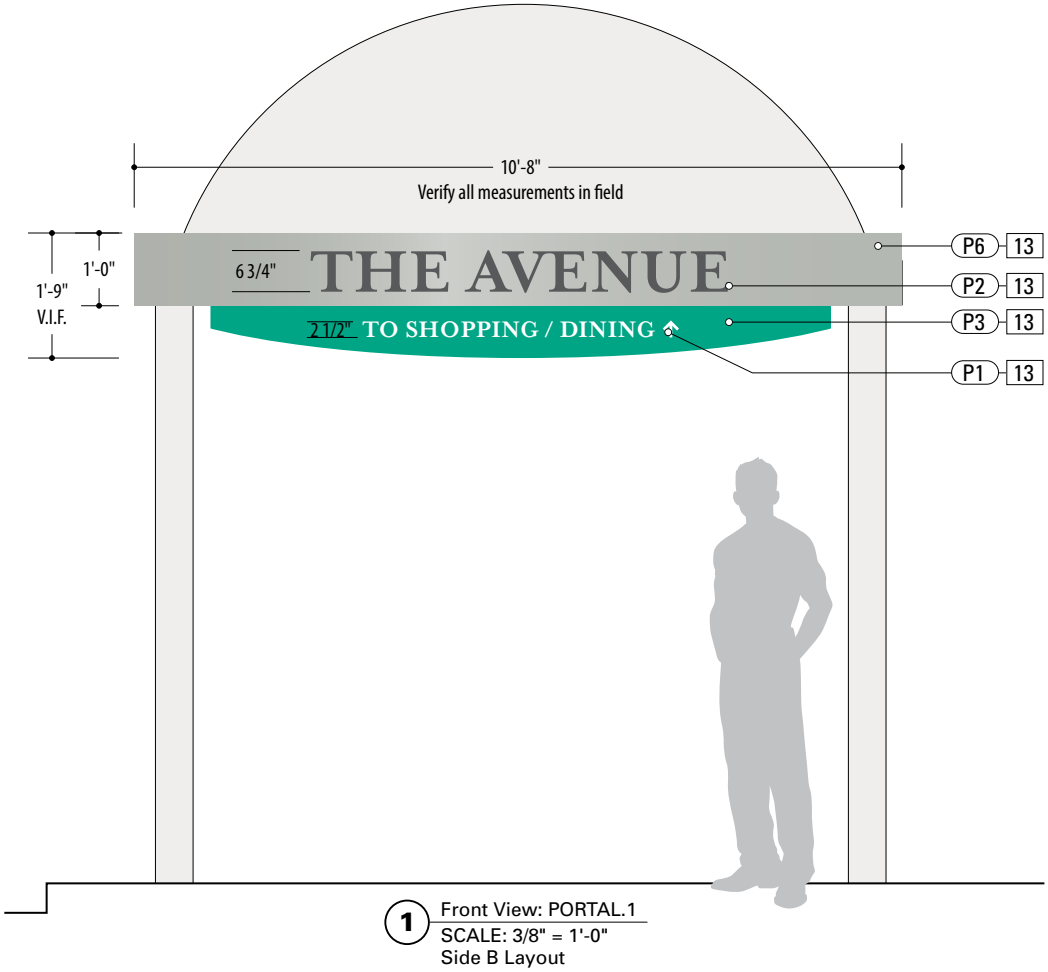
Opt 02 - Custom High Pressure Laminate



*Must verify all measurements in field prior to fabrication



Side A Layout



1 Front View: PORTAL.1
SCALE: 3/8" = 1'-0"
Side B Layout

OVD.1

Overhead Directional Pedestrian Walkway

FABRICATION DETAILS

13. Sign Panel: 1/4" Aluminum Sheet. Router Cut. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Mechanically fasten to existing structure. Tamper Resistant hardware.

PORTAL.2

Overhead Directional
Pedestrian Walkway

FABRICATION DETAILS

13. Sign Panel: 1/4” Aluminum Sheet. Router Cut. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Mechanically fasten to existing structure. Tamper Resistant hardware.

Client to provide photos/ measurements for Palmer Avenue walkway

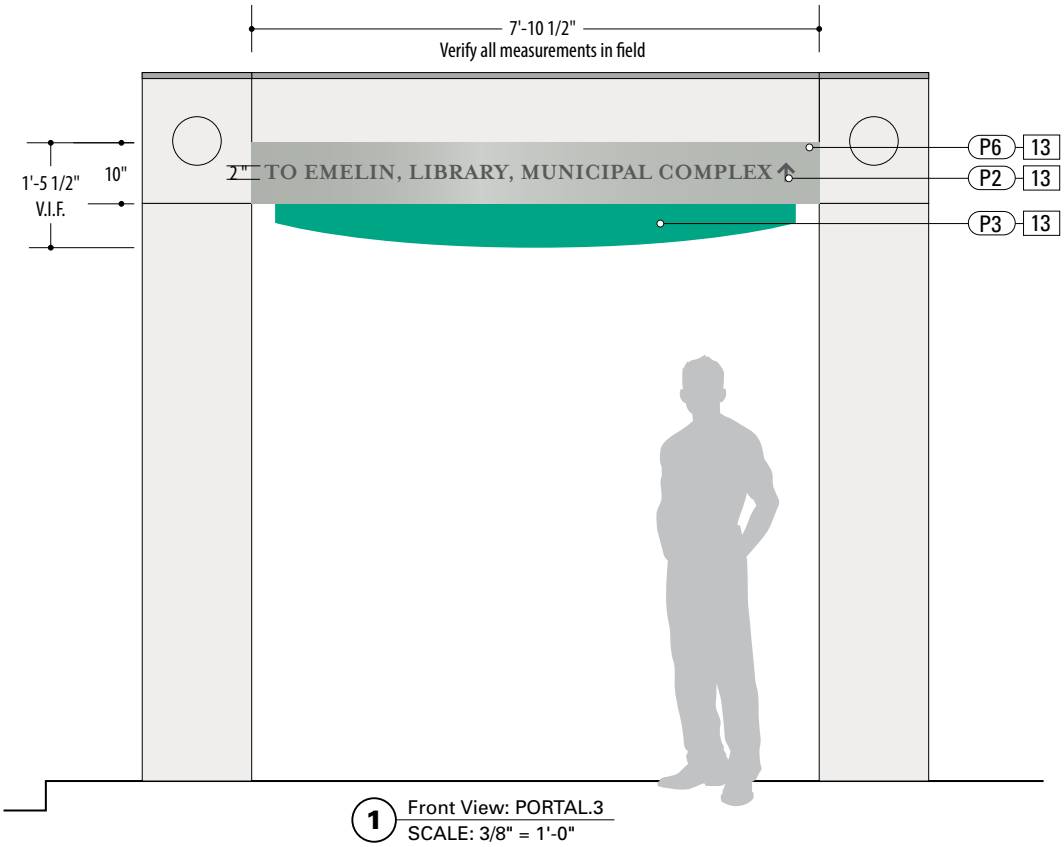
PORTAL.3

Overhead Directional
Pedestrian Walkway

FABRICATION DETAILS

13. Sign Panel: 1/4" Aluminum Sheet. Router Cut. Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. Mechanically fasten to existing structure. Tamper Resistant hardware.

*Must verify all measurements in field prior to fabrication



1 Front View: PORTAL.3
SCALE: 3/8" = 1'-0"

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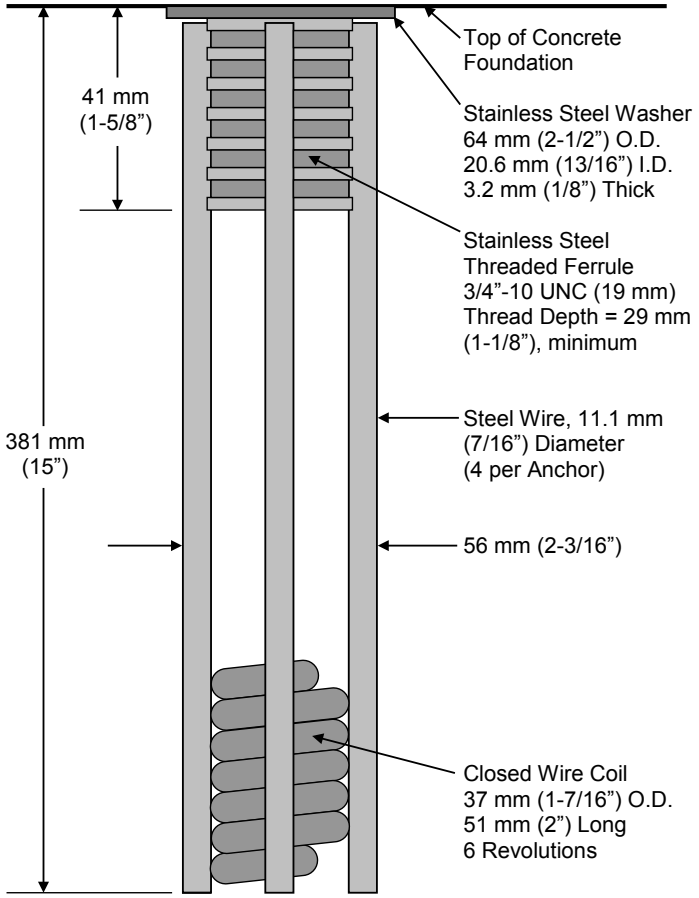
Breakway Footer Details



Melted and Manufactured in the USA 1/14

SPECIFICATIONS

Physical Properties:

1. Ultimate Tensile Load = 266.9 kN (60.0 kips) minimum per Anchor.
2. Actual Pullout Strength depends on foundation design and concrete properties.

Installation Instructions:

See other side of page for typical installation diagrams.

1. Fabricate flat steel or wood template with four (4) 19 mm (3/4") diameter holes located to match the specified bolt pattern of the pole base plate.
2. Attach four (4) Pole-Safe® Type C Female Anchors to template using four (4) 19 mm (3/4") diameter bolts. Ensure that each Anchor Washer is flush and snug against the bottom of the template.
3. Lower Anchor Assembly into fresh concrete foundation, and vibrate into position such that the tops of the Anchor Washers are flush with the finished top surface of the foundation.
4. Support template such that all Anchors are level and in their proper locations.
5. Allow concrete to cure, and then remove bolts and template from the top of the foundation.

Transpo® Type C Female Anchor
for use with Pole-Safe® Model No. 5075
Breakaway Support System for Light Poles

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The Smart Solutions Company
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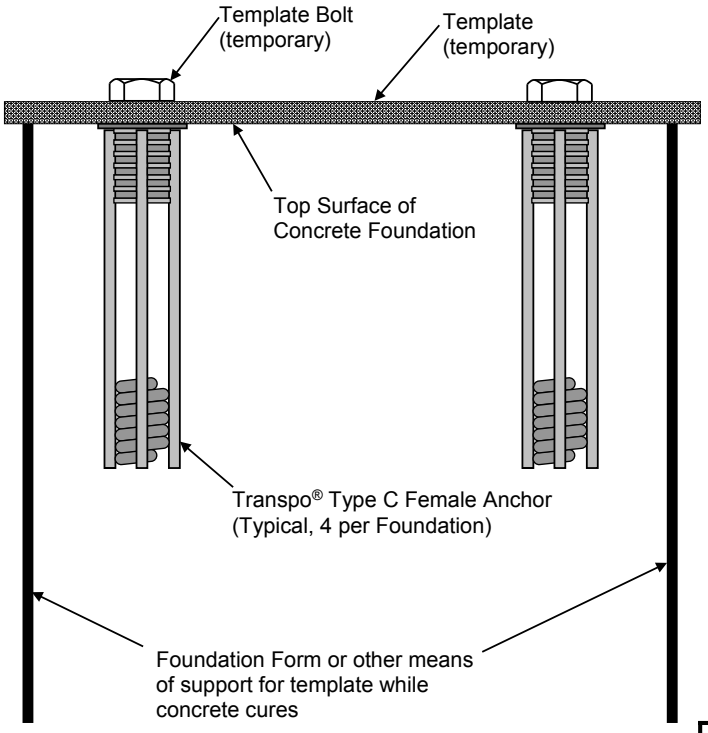
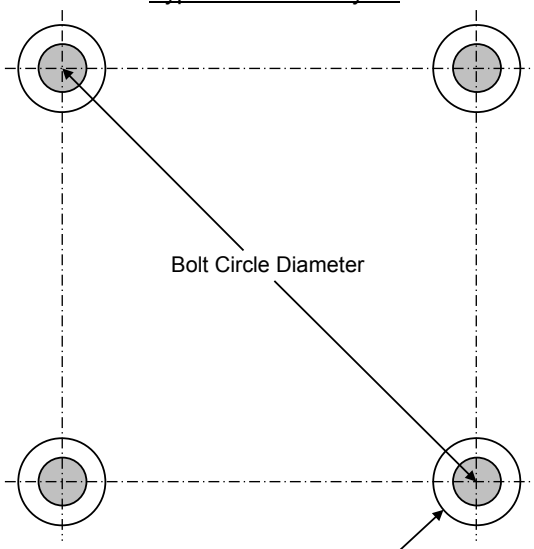
New Rochelle, NY 10801
914-636-1000
www.transpo.com



Typical Anchor Layout



See other side of page for complete Installation Instructions

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Transpo® Type C Female Anchor
for use with Pole-Safe® Model No. 5075
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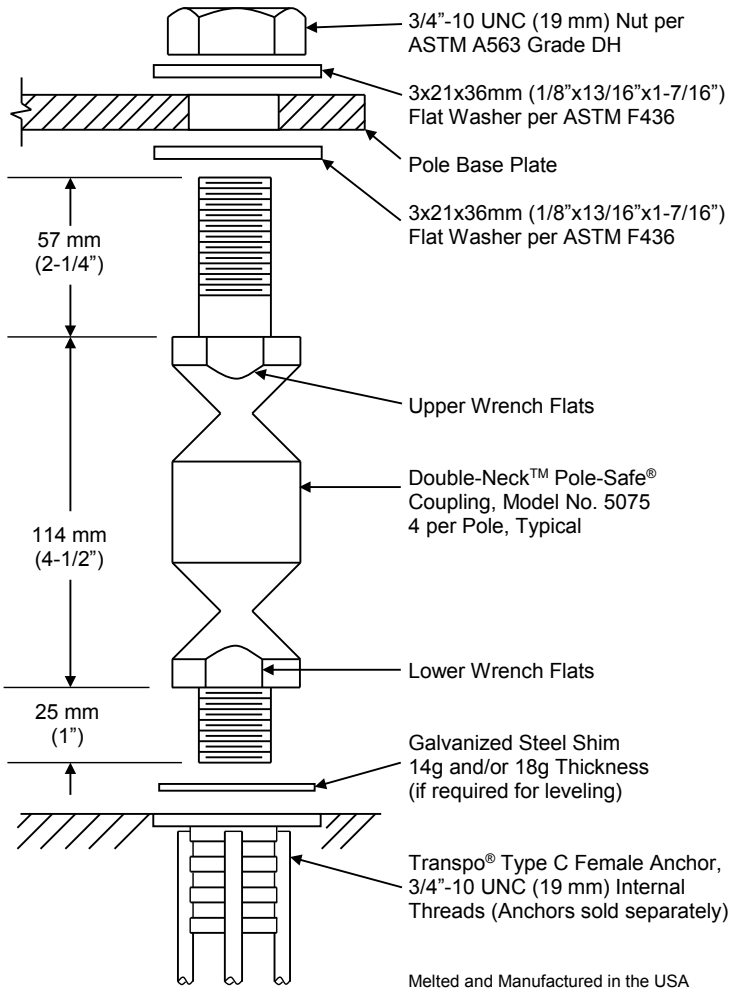
Breakway Footer Details



Melted and Manufactured in the USA
Patent Nos. 5,474,408 & 6,056,471 1/14

SPECIFICATIONS

Performance Criteria:

1. Double-Neck™ Pole-Safe® conforms to AASHTO "Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals."
2. Double-Neck™ Pole-Safe® has been crash-tested and FHWA approved in accordance with the requirements of NCHRP Report 350, "Recommended Procedures for the Safety Performance Evaluation of Highway Features."

Physical Properties per Coupling:

1. Ultimate Tensile Strength = 131.0 kN (29.4 kips), minimum.
2. Tensile Yield Strength = 113.6 kN (25.5 kips), minimum.
3. Ultimate Restrained Shear Strength = 8.9 kN (2.0 kips), minimum.
4. Ultimate Restrained Shear Strength = 13.3 kN (3.0 kips), maximum.

Corrosion Protection:

1. All Double-Neck™ Pole-Safe® couplings, nuts, bolts, and washers are galvanized after fabrication in accordance with ASTM A153. All leveling shims are galvanized after fabrication in accordance with ASTM A653.

Pole-Safe® Model No. 5075
Breakaway Support System for Light Poles

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Pole-Safe® Model No. 5075
Breakaway Support System for Light Poles

INSTALLATION INSTRUCTIONS

NOTE: Proper Installation is essential for the Pole-Safe Breakaway Support System to function correctly as designed.

Anchor Assembly:

1. Fasten Transpo® Type C Female Anchors to a rigid template pre-fabricated to match the specified bolt circle.
2. Lower entire anchor assembly into the fresh concrete foundation, and vibrate assembly into place, such that the anchors are in the proper location to match the holes in the pole base plate. Ensure that all anchors are level and that the tops of the individual anchors and the bottom of the template are flush with the finished top surface of the foundation.
3. Allow foundation to fully cure, and remove template from the anchors.

Coupling Assembly:

1. Surface of foundation around anchors must be smooth, flat and free of debris.
2. Thread Pole-Safe couplings into Transpo® Type C Female Anchors.
3. If needed, shims are provided for leveling of the pole base plate, and may be installed at the base of the coupling(s). No more than 2 shims shall be installed on any one coupling. For larger adjustments that may be required, install no more than one additional flat washer under the base plate, on the top shank of the coupling(s).
4. Use lower wrench flats to tighten Pole-Safe couplings into the anchors. Secure couplings as tight as possible using conventional wrenches. Do not use a pipe wrench. Couplings must be seated squarely on top of the anchors.
5. Install a flat washer on top of each Pole-Safe coupling, and set the pole with base plate on top of the couplings.
6. Install a flat washer and nut on to each coupling extended through the pole base plate. If pole is not plumb, install shims and/or washers for proper leveling as described in Step 3 above.
7. Tighten each nut on to pole base plate. Pole-Safe couplings must be held with an additional wrench on the upper wrench flats to prevent an induced torque stress across the necked portion of the couplings. Nuts shall be tightened using the turn-of-nut method in accordance with American Institute of Steel Construction (AISC) procedures (1/3 rotation past “snug tight”).

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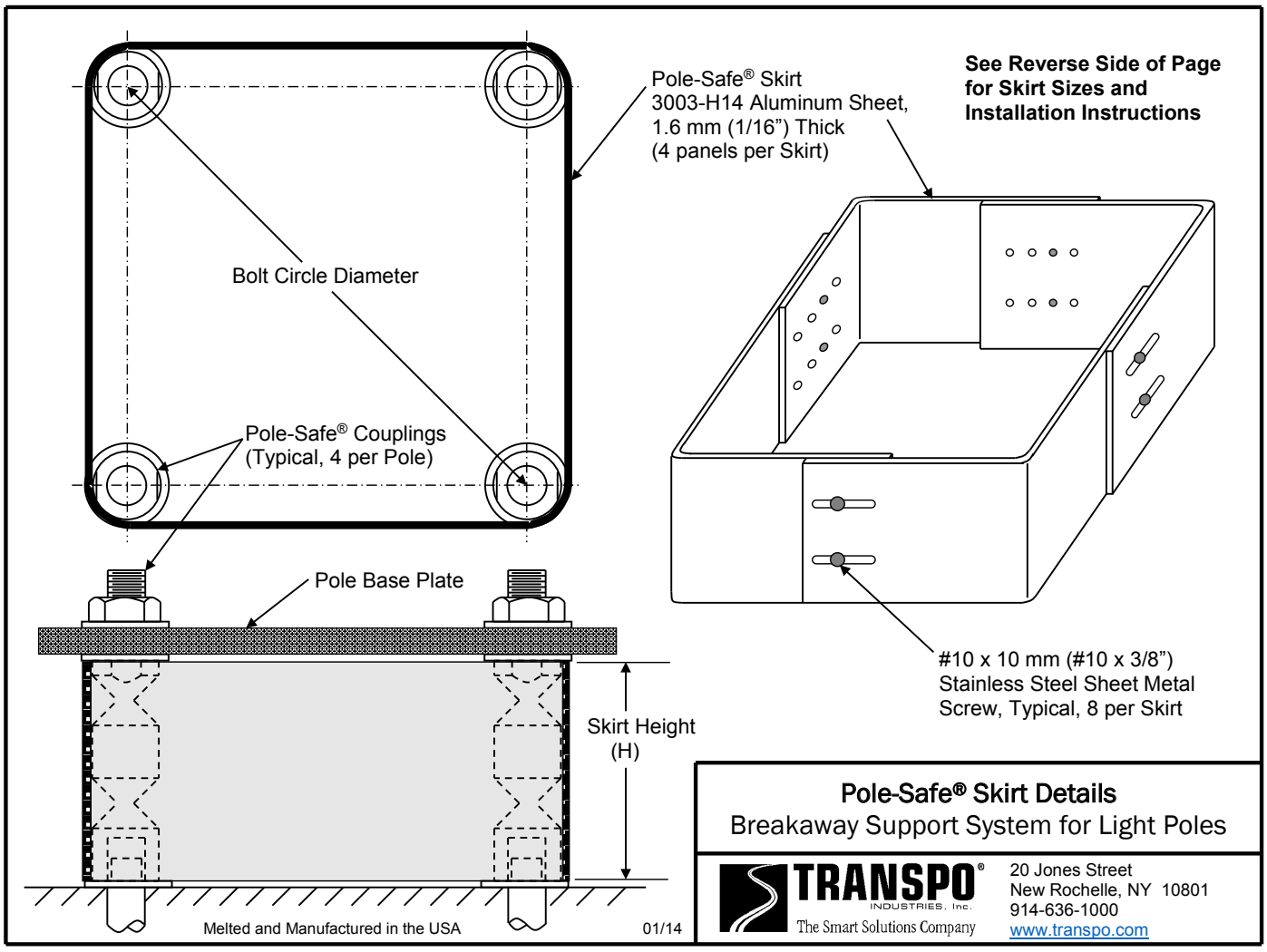
Breakway Footer Details



TRANSPO® INDUSTRIES, Inc.
The Smart Solutions Company

Pole-Safe®
Breakaway Support System for Light Poles

SKIRT INFORMATION

Selection Table:

Pole-Safe® Model No.	Bolt Circle Diameter: 254 mm to 380 mm (10" to 15") Skirt Part No.	Bolt Circle Diameter: 380 mm to 500 mm (15" to 20") Skirt Part No.	Skirt Height (H) mm (in.)
4062	SPMKDN-4	SPMKDN-4L	146 (5-3/4)
4075	SPMKDN-4	SPMKDN-4L	146 (5-3/4)
4100	SPMKDN-5	SPMKDN-5L	168 (6-5/8)
4125	SPMKDN-5	SPMKDN-5L	168 (6-5/8)
5062	SPMKDN-1	SPMKDN-1L	108 (4-1/4)
5075	SPMKDN-1	SPMKDN-1L	108 (4-1/4)
5100	SPMKDN-2	SPMKDN-2L	127 (5)
5125	SPMKDN-3	SPMKDN-3L	133 (5-1/4)

Installation Instructions:

1. Place 4 skirt panels around Pole-Safe Couplings using overlap configuration shown on reverse side of page. All 4 sides of the skirt box should have 2 slots facing outside.
2. Thread 8 sheet metal screws through the outside slots into the closest corresponding holes in the adjacent inside panel.
3. Position panels snug against the Pole-Safe Couplings.
4. Tighten all 8 sheet metal screws.

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