

New York City Housing Authority

SIGNAGE STANDARDS MANUAL

A design standards manual outlining guidelines and criteria for the implementation of exterior and site signage for New York City Housing Authority residential developments.

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SYSTEM OVERVIEW

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1.1 LETTER OF INTENT

SYSTEM OVERVIEW

From David Burney
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New York City Housing Authority

The New York City Housing Authority provides housing for low and moderate income residents throughout the five boroughs across a variety of building types. In the effort to maintain the quality of life at these developments design plays a key role. One of the most visible design components at our developments is the signage system that provides information and orientation for visitors and residents alike. The NYCHA signage design guidelines documented in this manual provide for development signage that responds to the diverse needs of the resident communities as well the range of architectural contexts found throughout NYCHA properties.

NYCHA is not only committed to provide a beautiful and livable community, but also to provide a sense of community. To create and support attractive and well maintained developments for NYCHA residents and visitors, every detail is important—including signs.

A system-wide approach has been developed that is simple in design, flexible in application, and has a first time visitor service focus. NYCHA strives to standardize graphics among its development properties in order to reduce visual clutter and make it more welcoming and residentially appealing. Both residents and visitors can expect to find convenient and consistent identification and directional signage to assist in navigation at each NYCHA property.

This manual will be periodically updated to reflect additional sign variations and installation details which may be needed to suit unique conditions. Additional sign types may be needed as the system is implemented across all NYCHA's developments to accommodate unforeseen specific needs. The manual will retain its loose-leaf format for ease of updates and reviews.

1.2 INTRODUCTION

SYSTEM OVERVIEW

The NYCHA signage system is shaped by a number of formal elements including the visual components of a typeface, symbol set, information layout and hierarchy, color palette options as well as the material components of sign panels, and stainless steel posts.

In *Chapter One*, an overview of the signage system is presented. *Chapter Two* provides the general design guidelines while *Chapter Three* surveys all the individual sign types showing typical installation elevations and typical graphic layouts. *Chapter Four* provides fabrication details and general specifications.

The sign system has three basic objectives:

Identification is a primary concern. There are several sign types to accommodate the branding and identity requirements encountered across the range of development types found within NYCHA. These generally include identification of the development, identification of individual buildings and entrances, and identification of facilities within a development, such as a park or a day-care center or management office. Retail signage is provided for identification of storefronts within NYCHA developments.

The second objective is to facilitate wayfinding for visitors, residents, staff and service providers. Directional signage and the orientation map address this need.

The third objective is to communicate acceptable behavior within the property through regulatory and parking signage.

The NYCHA Signage System - Sign Families

The NYCHA Signage System is comprised of three primary classes of signs that provide for the necessary functional requirements. Each class is represented by a letter which acts as an identification code.

- **Identification Signs** A
- **Way-finding Signs** B
- **Regulatory Signs** C

1.3 SIGN TYPOLOGY

SYSTEM OVERVIEW

The NYCHA Signage System

Within each class are several sign types and layout options designed to respond to specific sign locations.

Note:

Sign type numbers can be added as required for site-specific signs at any given development. Site-specific signs are unique to the development they are programmed at.

IDENTIFICATION

A1. Development Identification Signs:

- A1.1, Development ID - Small**
- A1.2, Development ID - Large**
- A1.3, Development ID - Site-Specific**

A2. Building Identification Signs:

- A2.1, Building ID - Small**
- A2.2, Building ID - Medium**
- A2.3, Building ID - Large**

A3. Entrance Identification Signs:

- A3.1, Lobby Entrance ID**
- A3.2, Lobby/Facility Entrance ID (Alternate)**
- A3.3, Facility Entrance ID**

A4. Location Identification Signs:

- A4.1, Facility Marker**

A5. Retail Signs:

- A5.1, Retail Storefront Identification**

WAY-FINDING

B1. Pedestrian Directional Signs:

- B1.1, Pedestrian Directional - Small**
- B1.2, Pedestrian Directional - Medium**
- B1.3, Pedestrian Directional - Large**
- B1.4, Pedestrian Directional - Site-Specific**

B2. Parking Directional Signs:

- B2.1, Parking Directional - Small**
- B2.2, Parking Directional - Large**

B3. Orientation Signs:

- B3.1, Orientation Map - Small**
- B3.2, Orientation Map - Large**
- B3.3, Orientation Map - Site-Specific**

REGULATORY

C1. Development Regulatory Signs:

- C1.1, General Regulatory - Small**
- C1.2, General Regulatory - Medium**
- C1.3, General Regulatory - Large**
- C1.4, Regulatory Marker - Site-Specific**

C2. Parking Regulatory Signs:

- C2.1, Parking Regulatory**
- C2.2, Parking Regulatory - Site-Specific**

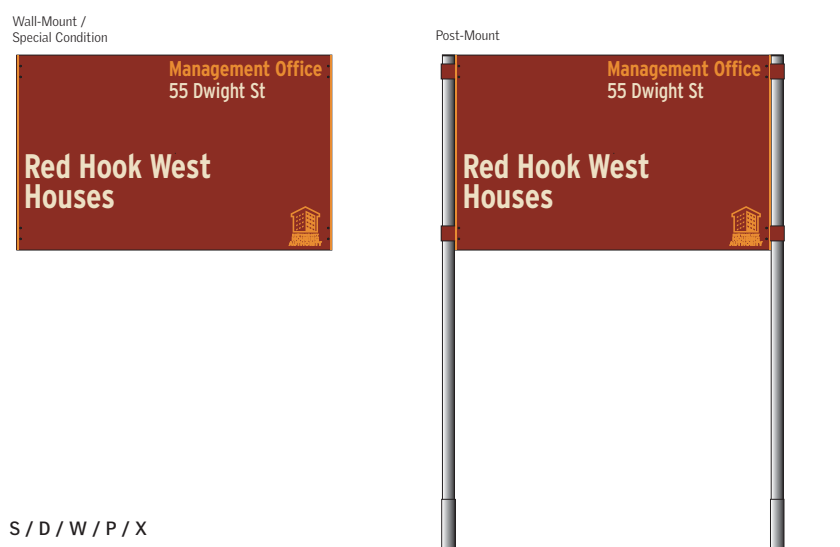
A. IDENTIFICATION

A1. DEVELOPMENT IDENTIFICATION SIGNS



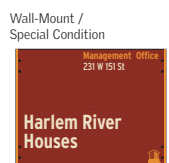
S / D / W / P / X

SIGN TYPE A1.1 (Panel - 32.5" W x 26.25" H)
Development ID - Small
- Recommended for low-rise developments



S / D / W / P / X

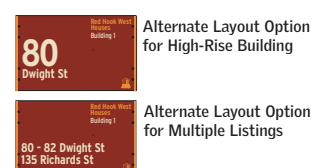
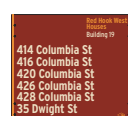
SIGN TYPE A1.2 (Panel - 52.5" W x 32.5" H)
Development ID - Large
- Recommended for high-rise developments



S / W / X

SIGN TYPE A1.3 (Panel - 25" W x 20" H)
Development ID - Site-Specific

A2. BUILDING IDENTIFICATION SIGNS



S / W

SIGN TYPE A2.1 (Panel - 20" W x 12.5" H)
Building ID - Small
- Preferred panel size

S / W

SIGN TYPE A2.2 (Panel - 20" W x 18.75" H)
Building ID - Medium

S / W

SIGN TYPE A2.3 (Panel - 20" W x 25" H)
Building ID - Large

A1. DEVELOPMENT IDENTIFICATION SIGNS:
These signs provide primary identification of the development at main site entrances, or at appropriate locations within the development. Location of management office is always provided. It is placed near the walkway so that it can be easily seen by approaching pedestrians and motorists.

A1.1 Development ID - Small

The A1.1 sign is recommended for low rise developments. The sign can be installed as single- or double-panel and either wall- or post-mounted. Adapt mounting as needed to unique or special conditions (i.e.: railing, fence, etc.) appropriate to individual sites.

A1.2 Development ID - Large

The A1.2 sign is recommended for high rise developments. A1.2 should be used if an A1.1 sign is considered undersized for a specific location or architectural context. The sign can be installed as single- or double-panel and either wall- or post-mounted. Adapt mounting as needed to unique or special conditions (i.e.: railing, fence, etc.) appropriate to individual sites.

A1.3 Development ID - Site-Specific

The A1.3 sign should be used where either A1.1 or A1.2 are determined to be inappropriate for a specific location or architectural context. The sign can be sized as needed for the specific location. Adapt mounting as needed to unique or special conditions (i.e.: railing, fence, etc.) appropriate to individual sites.

A2. BUILDING IDENTIFICATION SIGNS:

These signs identify all residential stairwell lobby entrances of individual buildings per the NYCHA Property Directory. It is placed either near the walkway or elsewhere on the building so that it can be easily seen by the approaching pedestrian or motorists. Entrances are always identified by their postal addresses. However, to accommodate the range of messaging that could be required by different development or building characteristics, this sign provides for several layout options. If preferred, alternate layout options can be specified. The viewing distance of the sign will be factored in choosing the type of layouts for each individual development. If needed, it can also be specified at larger panel sizes corresponding to 1.5x and 2x (lengthwise) the basic module. However, the small size—the basic single module—should always be used if possible.

A2.1 Building ID - Small

An A2.1 sign is the preferred panel size to be used. The sign is installed wall-mounted to respective building structure.

A2.2 Building ID - Medium

An A2.2 sign should be used if the text message is between 4 to 6 lines (1 1/2" cap) or 2 lines (4"cap). The sign is installed wall-mounted to respective building structure.

A2.3 Building ID - Large

An A2.3 sign should be used if the text message exceeds 6 lines (1 1/2" cap) or 2 lines (4"cap). The sign is installed wall-mounted to respective building structure.

INSTALLATION OPTION REFERENCE :

S	Single-Panel
D	Double-Panel (Back-to-back)
W	Wall-Mount
P	Post-Mount
X	Special Condition (Miscellaneous)

A3. ENTRANCE IDENTIFICATION SIGNS

Wall-Mount /
Special Condition



S / W

SIGN TYPE A3.1 (Panel - 12.5" W x 12.5" H)
Lobby Entrance ID
- Preferred panel size

Wall-Mount



Layout for
Lobby Entrance



Layout for
Facility Entrance

S / W

SIGN TYPE A3.2 (Panel - VIF W x 12.5" H)
Lobby Entrance ID / Facility Entrance ID - Alternate

Wall-Mount /
Special Condition



S / W

SIGN TYPE A3.3 (Panel - 20" W x 20" H)
Facility Entrance Identification
- Preferred panel size

A4. LOCATION IDENTIFICATION SIGNS

Post-Mount



SIGN TYPE A4.1 (Panel - 25" W x 20" H)
Facility Marker

A5 RETAIL SIGNS

Wall-Mount



S / W

SIGN TYPE A5.1 (Panel - VIF" W x 27" H)
Retail Storefront Identification

A3. ENTRANCE IDENTIFICATION SIGNS:
These signs identify individual residential entrances and individual development facility entrances. It is always placed adjacent to and in direct correspondence to a specific entry.

A3.1 Lobby Entrance ID

An A3.1 sign is the preferred sign type for identifying individual lobby entrances. This sign is installed wall-mounted to respective building structure.

A3.2 Lobby Entrance ID / Facility Entrance ID - Alternate

The A3.2 sign can substitute for A3.1 or A3.3. It is always wall-mounted and placed above and in direct correspondence with a specific entry. The panel size may be adjusted to fit the existing architectural condition. This overhead sign is installed wall-mounted to respective building structure.

A3.3 Facility Entrance ID

An A3.3 sign is the preferred sign type for identifying individual facility entrances. The logo of the facility operator may be accommodated if desired. This sign is installed wall-mounted to respective building structure.

A4. LOCATION IDENTIFICATION SIGNS:
This sign type identifies individual facility locations which are considered major public visitor destinations. It is placed near the walkway so that it can be easily seen by approaching pedestrians and motorists.

A4.1 Facility Marker

The A4.1 sign marks an individual development facility. The corporate tenant's logo may be provided if desired. The sign can be installed as single- or double-panel, post-mounted or adapt mounting as needed to unique or special conditions (i.e.: railing, fence, etc.) appropriate to individual sites.

A5. RETAIL SIGNS:

These signs establish a consistent standard for retail identification within NYCHA properties.

A5.1 Retail Storefront Identification

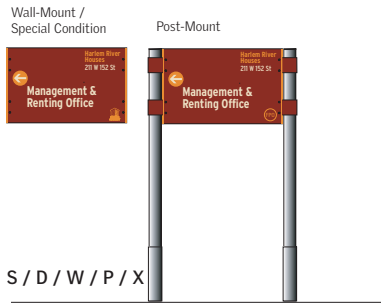
The A5.1 sign contains integral fluorescent illumination and are mounted along the full width of the storefront location. This overhead sign is installed wall-mounted to respective building structure.

INSTALLATION OPTION REFERENCE :

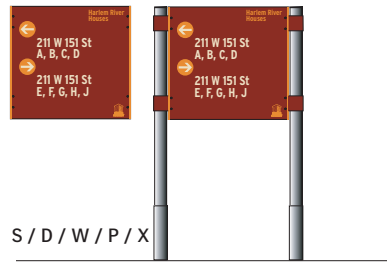
S	Single-Panel
D	Double-Panel (Back-to-back)
W	Wall-Mount
P	Post-Mount
X	Special Condition (Miscellaneous)

B. WAY-FINDING

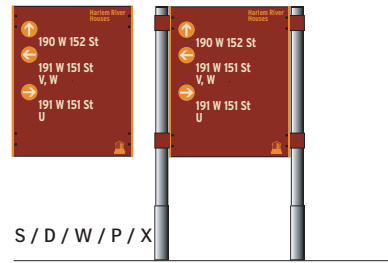
B1. PEDESTRIAN DIRECTIONAL SIGNS



SIGN TYPE B1.1 (Panel - 20" W x 12.5 H)
Pedestrian Directional - Small
- Preferred panel size



SIGN TYPE B1.2 (Panel - 20" W x 18.75 H)
Pedestrian Directional - Medium



SIGN TYPE B1.3 (Panel - 20" W x 25 H)
Pedestrian Directional - Large

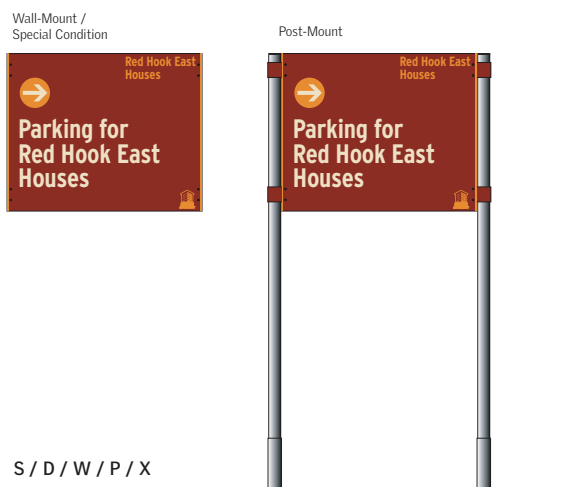


SIGN TYPE B1.4 (Panel - 14.5" W x 9" H)
Pedestrian Directional - Site-Specific

B2. PARKING DIRECTIONAL SIGNS



SIGN TYPE B2.1 (Panel - 25" W x 20" H)
Parking Directional - Small
- Recommended for low-rise developments



SIGN TYPE B2.2 (Panel - 32.5" W x 26.25" H)
Parking Directional - Large
- Recommended for high-rise developments

B1. PEDESTRIAN DIRECTIONAL SIGNS:
The purpose of all NYCHA directional signage is to provide clear, simple way-finding assistance and orientation within developments. These signs should be located as to be easily seen from pedestrian circulation paths. If needed it can also be specified at larger panel sizes, however the small size should always be used if possible.

B1.1 Pedestrian Directional - Small
The B1.1 sign accommodates single or multiple directional messages as needed. The sign can be installed as single- or double-panel and either wall- or post-mounted. Adapt mounting as needed to unique or special conditions (i.e.: railing, fence, etc.) appropriate to individual sites.

B1.2 Pedestrian Directional - Medium
A B1.2 sign should be used if the text message is between 4 to 6 lines. The sign can be installed as single- or double-panel and either wall- or post-mounted. Adapt mounting as needed to unique or special conditions (i.e.: railing, fence, etc.) appropriate to individual sites.

B1.3 Pedestrian Directional - Large
A B1.3 sign should be used if the text message exceeds 7 lines. The sign can be installed as single- or double-panel and either wall- or post-mounted. Adapt mounting as needed to unique or special conditions (i.e.: railing, fence, etc.) appropriate to individual sites.

B1.4 Pedestrian Directional - Site-Specific
The B1.4 sign shown was developed for a specific and unique architectural context at Harlem River Houses. It is an example of how in response to site-specific conditions, design consultants should make intelligent adjustments to the established sign types. This type sign should not be used under ordinary circumstances, but is available if appropriate for an atypical condition and can be sized as needed. The sign is installed wall-mounted, or adapt mounting as needed to unique or special conditions (i.e.: railing, fence, etc.) appropriate to individual sites.

B2. PARKING DIRECTIONAL SIGNS:
These signs provide vehicular way-finding within and around NYCHA parking facilities. They are placed to be seen from vehicular circulation paths by incoming motorists.

B2.1 Parking Directional - Small
The B2.1 sign is recommended for low-rise developments. The sign can be installed as single- or double-panel and either wall- or post-mounted. Adapt mounting as needed to unique or special conditions (i.e.: railing, fence, etc.) appropriate to individual sites.

B2.2 Parking Directional - Large
The B2.2 sign is recommended for high-rise developments. B2.2 should be used if an B2.1 is considered undersized for a specific location or architectural context. The sign can be installed as single- or double-panel and either wall- or post-mounted. Adapt mounting as needed to unique or special conditions (i.e.: railing, fence, etc.) appropriate to individual sites.

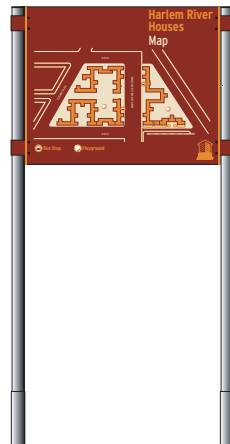
INSTALLATION OPTION REFERENCE :	
S	Single-Panel
D	Double-Panel (Back-to-back)
W	Wall-Mount
P	Post-Mount
X	Special Condition (Miscellaneous)

B3. ORIENTATION SIGNS

Wall-Mount /
Special Condition



Post-Mount



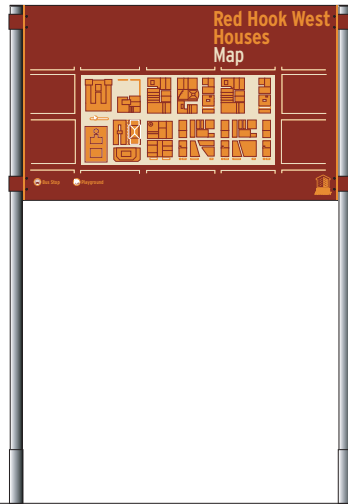
S / D / W / P / X

SIGN TYPE B3.1 (Panel - 32.5" W x 26.25" H)
Orientation Map - Small
- Recommended for low-rise developments

Wall-Mount /
Special Condition



Post-Mount



S / D / W / P / X

SIGN TYPE B3.2 (Panel - 52.5" W x 32.5" H)
Orientation Map - Large
- Recommended for high-rise developments

Wall-Mount /
Special Condition



S / W / X

SIGN TYPE B3.3 (Panel - 25" W x 20" H)
Orientation Map - Site-Specific

B3. ORIENTATION SIGNS:

This sign provides a development map for orientation and way-finding.

B3.1

Orientation Map – Small

The B3.1 sign corresponds in size to, and may accompany, an A1.1. This sign is recommended for low-rise developments. It can be used in various combination placements—back-to-back, adjacent with A1.1—as well as independently (See A1.1/B3.1 combination display options for reference). The sign can be installed as single- or double-panel and either wall- or post-mounted. Adapt mounting as needed to unique or special conditions (i.e.: railing, fence, etc.) appropriate to individual sites.

B3.2

Orientation Map – Large

The B3.2 sign corresponds in size to, and may accompany, an A1.2. This sign is recommended for high-rise developments. It can be used in various combination placements—back-to-back, adjacent with A1.2—as well as independently (See A1.2/B3.2 combination display options for reference). The sign can be installed as single- or double-panel and either wall- or post-mounted. Adapt mounting as needed to unique or special conditions (i.e.: railing, fence, etc.) appropriate to individual sites.

B3.3

Orientation Map – Site-Specific

B3.3 sign to be used at a site-specific location where neither B3.1 nor B3.2 are considered appropriate for a specific location or architectural context. This sign may be sized as needed for the specific location and may correspond in size to, or accompany an A1.3. The sign is installed wall-mounted or, adapt mounting as needed to unique or special conditions (i.e.: railing, fence, etc.) appropriate to individual sites.

All map illustrations shown here are for reference only.

Note:
Refer to Section 3 for Double Post/Double Flag details.

A1.1 / B3.1 COMBINATION DISPLAY OPTIONS :



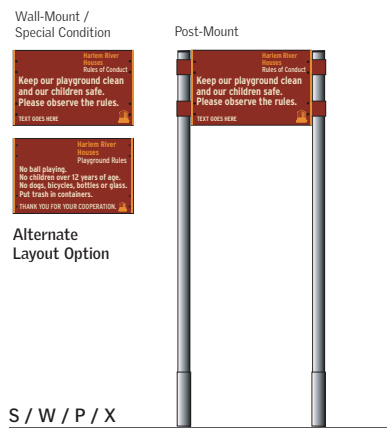
A1.2 / B3.2 COMBINATION DISPLAY OPTIONS :



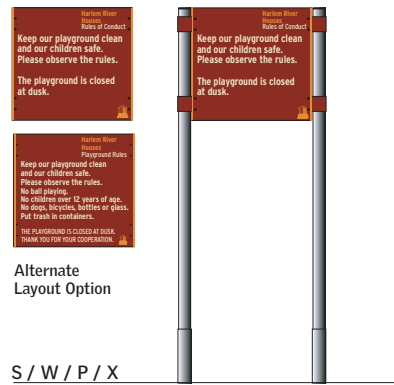
INSTALLATION OPTION REFERENCE :	
S	Single-Panel
D	Double-Panel (Back-to-back)
W	Wall-Mount
P	Post-Mount
X	Special Condition (Miscellaneous)

C. REGULATORY

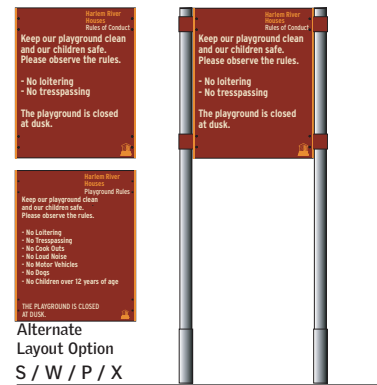
C1. DEVELOPMENT REGULATORY SIGNS



S / W / P / X
SIGN TYPE C1.1 (Panel - 20" W x 12.5" H)
Development Regulatory - Small
- Preferred panel size



S / W / P / X
SIGN TYPE C1.2 (Panel - 20" W x 18.75" H)
General Regulatory - Medium



S / W / P / X
SIGN TYPE C1.3 (Panel - 20" W x 25" H)
General Regulatory - Large

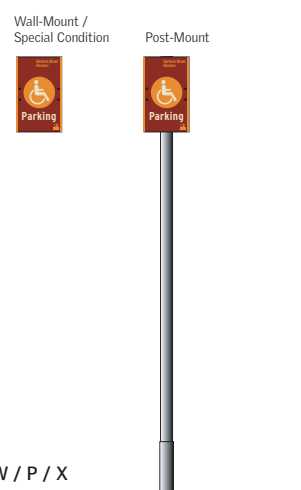


S / W / P / X
SIGN TYPE C1.4 (Panel - 7.5" W x 7.5" H)
Regulatory Marker - Site-Specific

C2. PARKING REGULATORY SIGNS



S / D / W / P / X
SIGN TYPE C2.1 (Panel - 32.5" W x 26.25" H)
Parking Regulatory



S / W / P / X
SIGN TYPE C2.2 (Panel - 7.5" W x 12.5" H)
Parking Regulatory - Site-Specific

C1. DEVELOPMENT REGULATORY SIGNS:
These signs are to communicate general rules and regulations at a development. To accommodate the range of messaging that could be required at different developments throughout NYCHA, this sign provides for several layout options with small and large text sizes for the main message. The small size should always be used if possible, however it can also be specified at larger panel sizes if needed.

C1.1 Development Regulatory - Small
The C1.1 sign communicates general rules and regulations of the development. This is the preferred panel size for minimal text. The sign can be installed as single- or double-panel and either wall- or post-mounted. Adapt mounting as needed to unique or special conditions (i.e.: railing, fence, etc.) appropriate to individual sites.

C1.2 Development Regulatory - Medium
A C1.2 sign should be used if the text message is of medium length. The sign can be installed as single- or double-panel and either wall- or post-mounted. Adapt mounting as needed to unique or special conditions (i.e.: railing, fence, etc.) appropriate to individual sites.

C1.3 Development Regulatory - Large
A C1.3 sign should be used if the text message is lengthy. The sign can be installed as single- or double-panel and either wall- or post-mounted. Adapt mounting as needed to unique or special conditions (i.e.: railing, fence, etc.) appropriate to individual sites.

C1.4 Regulatory Marker
The C1.4 sign communicates ADA requirements (i.e.: accessible ramp marker, directional for accessible entrance) and other features (i.e.: water fountain). The sign can be installed as single- or double-panel and either wall- or post-mounted. Adapt mounting as needed to unique or special conditions (i.e.: railing, fence, etc.) appropriate to individual sites.

C2. PARKING REGULATORY SIGNS:
These signs are used to communicate parking regulations at NYCHA developments.

C2.1 Parking Regulatory
The C2.1 sign communicates parking regulations at NYCHA developments. These signs are typically placed at entrances to, and within parking facilities. The sign can be installed as single- or double-panel and either wall- or post-mounted. Adapt mounting as needed to unique or special conditions (i.e.: railing, fence, etc.) appropriate to individual sites.

C2.2 Parking Marker
The C2.2 sign communicates parking related ADA requirement (i.e.: accessible parking space) and other particular parking information (i.e.: staff parking only). The sign can be installed as single- or double-panel and either wall- or post-mounted. Adapt mounting as needed to unique or special conditions (i.e.: railing, fence, etc.) appropriate to individual sites.

INSTALLATION OPTION REFERENCE :	
S	Single-Panel
D	Double-Panel (Back-to-back)
W	Wall-Mount
P	Post-Mount
X	Special Condition (Miscellaneous)

These general signage guidelines establish a coherent wayfinding and identity strategy throughout all NYCHA development properties. The placement of all signs should follow these guidelines which will enhance the visual appearance and directional information across all NYCHA properties.

Whenever possible, refer to existing similar examples at other developments.

The Preferred Sign Locations

Although unique architectural and/or landscape conditions may compromise the best sign locations, location programming should consider the following points:

The management should be consulted for the function and needs of the signs for their developments. Consider optimum visibility from the major traffic routes for pedestrian and/or vehicular traffic perspectives.

If deemed appropriate, multiple sign panels with same installation height may be installed side by side with 3" space between panels at a given location.

Visitors' Use vs. Residents' Use

Signs may be less important to residents already familiar with their own surroundings. Providing adequate signs around and within the NYCHA property will aid visitors to navigate without feeling lost and will be seen as a welcoming gesture. However, over-signing should be avoided to keep the atmosphere residential and not commercial.

NYCHA Personnel Use

There are signs strictly for NYCHA management and maintenance use with limited function and not meant for public. One of such is a housing unit number marker/identification sign near the windows on the building exterior.

Each development may exercise a discretion on how to handle these types of signs. Altering the layout of a small sign panel from this system may be used. Or management may wish to continue using its own existing methods such as stencil painted or dimensional letters and this is acceptable. These signs should be as inconspicuous as possible to the general public.

1.10 NOMENCLATURE

SYSTEM OVERVIEW

These guidelines establish a uniform textual style for nomenclature and regulatory messages throughout all NYCHA development properties.

Consistency in language usage on all properties will be perceived as a single "voice," which reaffirms the authority of management and promotes the unity of the NYCHA community.

Currently, NYCHA development signage is produced in English only. Pictogram usage is limited to orientation map signs (Sign types B3) and ADA related accessibility regulatory (Sign types C1.4 and C2.2) signs only.

Preferred Nomenclature

The primary goal is to provide a clear and cordial official voice for management to communicate with residents and NYCHA employees alike.

Avoid using words which may have negative or disrespectful connotations. Avoid using jargon. Keep the message short and precise. Whenever possible, refer to existing identical or similar examples at sister developments. The examples shown here demonstrate a preferred style of naming for public messages in the NYCHA developments:

- Referring to the NYCHA Property / NYCHA Development–
Use: **NYCHA Property**
- Referring to the NYCHA property and their residents–
Use: **NYCHA Community**
Do not use: NYCHA Development and Tenants
- Referring to the people who live in the development–
Use: **Residents**
Do not use: Tenants

- Referring to the lessee of stores in the housings–
Use: **Retail Tenants**
Do not use: Residents
- Referring to the lessee of facilities in the housings–
Use: **Facility Tenants**
Do not use: Residents
- Referring to the managing office–
Use: **Management Office**
Do not use: Management & Renting (Rental) Office

The Development Name vs. Development Address

The current listing of all developments (per the 2002 NYCHA Property Directory), does not distinguish the *name* and the *address* of each individual site. These guidelines make this distinction and specify the correct usage of property name and building addresses. Always be sure to end the names with *Houses* and avoid using street address numbers in the proper names.

Names with *Rehab*, *Repossessed*, and *Infill*, should be avoided. Substitute friendlier terms.

Names with acronyms such as *MHOP*, *URA*, and *WSUR* should be avoided. Substitute comprehensible terms.

Internal jargon such as *Addition*, *Site*, *Non-Development Facility*, *Air Rights*, *Program*, *Facility*, *Area*, and *Conventional* should be avoided.

Encourage a more "home-like" feel in the names. However, *Group* and *Phase* maybe used to preserve certain distinctions between the developments.

Replace or delete repetitious synonyms to the word *Houses* (such as *Apartments*) from the names. However, appropriate architectural references such as *Brownstone*, *Tower*, *Garden*, or *Court* are acceptable.

If management wishes, brief or generic-sounding names may be lengthened to add character, or names that are too lengthy may be shortened for convenience.

- Listed as *1010 East 178th Street*–
Name: **East 178 Street Houses**
Address: (multiple listings)
- Listed as *Fort Washington Avenue Rehab*–
Name: **Fort Washington Avenue Houses**
Address: 99 Fort Washington Avenue
- Listed as *157th Avenue-79th Street Area*–
Name: **157 Avenue Houses**
Address: (multiple listings)
- Listed as *Harlem River*–
Name: **Harlem River Houses**
Address: (multiple listings)
- Listed as *De Hostos Apartments*–
Name: **De Hostos Houses**
Address: (multiple listings)
- Listed as *Wald*–
Name: **Lillian Wald Houses**
Address: (multiple listings)

Punctuation and Abbreviations:

In general, avoid punctuation usage except on the text message of regulatory signs.

Abbreviations may be used when and if deemed appropriate.

Here are sample abbreviations:

Name	Abbreviation
Avenue	Av
Apartment	Apt
Boulevard	Blvd
Bridge	Br
Center	Ctr
Corner	Cor
Court	Ct
East*	E
Fort	Ft
Garden	Gdn
Heights	Hgts
Institute	Inst
Junction	Jctn
Lane	Ln
Mountain	Mt
North*	N
Office	Ofc
Park	Pk
Parkway	Pkwy
Place	Pl
Plaza	Plz
River	Rv
Road	Rd
Room	Rm
Saint	St
Square	Sq
Street	St
Streets	Sts
West*	W

* Not to be abbreviated when part of a proper name (e.g., *Red Hook East*, *Red Hook West*, etc.)

DESIGN STANDARDS

- 2.1 Kit of Parts
- 2.2 Structural Elements
- 2.3 Graphic Elements
- 2.4 Information Hierarchy
- 2.5 Color Palettes
- 2.6 Typography
- 2.7 Logos
- 2.8 Symbols - Message
- 2.9 Symbols - Map
- 2.10 Map Style

2.1 KIT OF PARTS

DESIGN STANDARDS



WALL (SURFACE) MOUNTED SIGN
Sign Panel + Bolts

POST-MOUNTED SIGN
Sign Panel + Bolts + Post(s)
+ Brackets + Cap(s) + Brace(s)

SPECIAL CONDITION (SURFACE) MOUNTED SIGNS
Sign Panel + Site-Specific Mounting Hardware

The Basic Kit of Parts

The NYCHA signage system is comprised of a number of basic components—referred to as a kit of parts. These components provide both the structural and graphic elements with which to program and specify signage packages for individual developments. To provide a versatile system for different development needs, most signs have several options. If needed, site-specific signs can be developed for atypical conditions. Most signs can be configured for single-sided viewing or double-sided viewing as needed.

Sign Panels

Sign panels can be either post- or wall-mounted. Post-mounted signs are either single- or double-sided. If a given location requires accommodating an atypical architectural condition, site-specific mounting details may be adapted and specified.

Sign Posts & Brackets

Stainless steel posts and brackets provide for placement of sign panels on paved or landscape areas.

Illuminated Signs

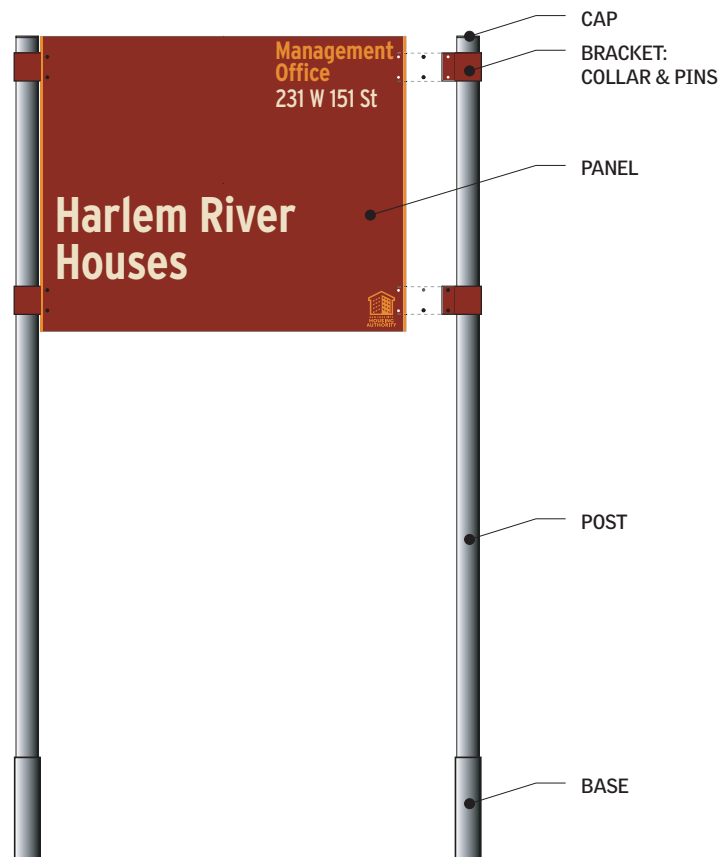
For use with retail store fronts only.

Special Existing Conditions

There may exist site or architectural conditions that require alternative panel sizes or installation details. Any site-specific signs or details should adhere to the standards established in this manual and provide for the continuity of the system-wide sign appearance. Some developments have existing dimensional letters. No new dimensional letters are to be programmed, however existing dimensional letters can be refurbished, or replicated in their original usage.

2.2 STRUCTURAL ELEMENTS

DESIGN STANDARDS



Fabrication & Installation

Modularity in component sizes and conformity in installation methods is a primary objective for long-term maintenance, efficiency, and cost control. Therefore, consistency in application of the signage design standards is required across all current and future NYCHA developments.

Single or double-sided panels

Sign panels for wall or other types of surface mount are always single-panel. However, free-standing post-mount signs can be either single-panel or double-panel with two sign panels installed back-to-back. The opposing panels of a double-panel sign generally communicate similar, or complimentary information.

Single- or double-posts

Various sign types may be post-mounted - refer to Sign Typology. Except for C1.4, and C2.2, all may be double-panel.

Structural Elements

Panels:	Porcelain enamel
Posts:	Stainless steel
Brackets:	Painted steel
Caps:	Stainless steel
Bases:	Stainless steel

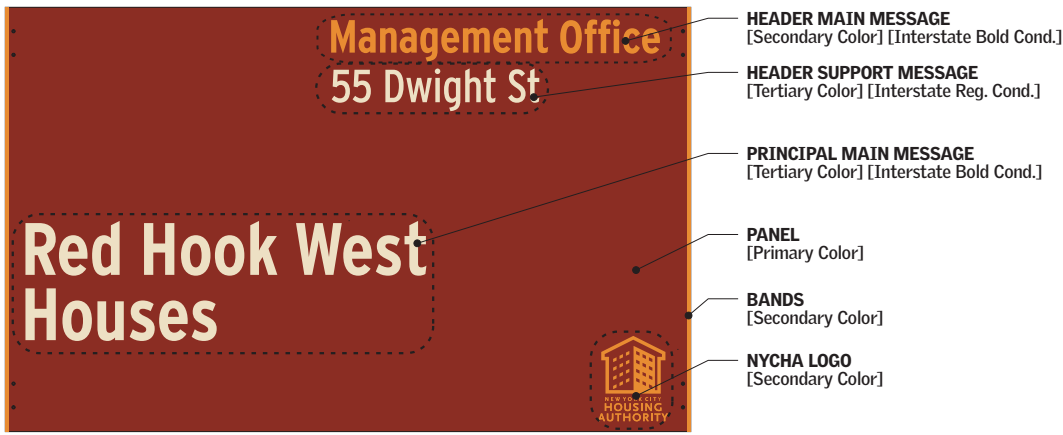
Note:
Refer to Chapter 4 for details.

STRUCTURAL ELEMENTS REFERENCE

Shown in Wall-Mount and Double Post-Mount Conditions

2.3 GRAPHIC ELEMENTS

DESIGN STANDARDS



TYPICAL IDENTIFICATIONAL SIGN PANEL LAYOUT
Information Hierarchy Layout Reference

Sign Panel Graphics

Except for orientation maps signs, a sign panel consists of three colors: a primary, a secondary and a tertiary. The primary color is the background color and is applied onto the entire front surface of the panel.

For all post-mounted and any fence-mounted sign panels, the primary color is applied onto the entire back surface of the panel as well.

Porcelain Enamel Graphic Elements

Background: **Primary Color**

Bands: **Secondary Color**

Header Main Messages:
(Interstate Bold Cond.)
Secondary Color

Header Support Messages:
(Interstate Reg. Cond.)
Tertiary Color

Principal Main Messages:
(Interstate Bold Cond.)
Tertiary Color

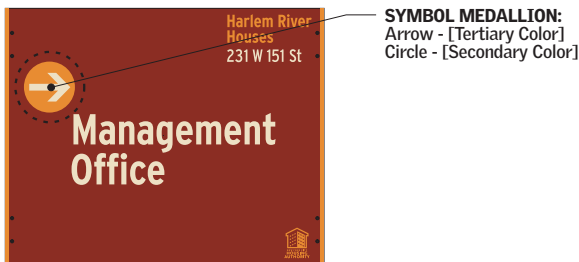
Principal Support Messages:
(Interstate Reg. Cond.)
Tertiary Color

NYCHA Logo: **Secondary Color**

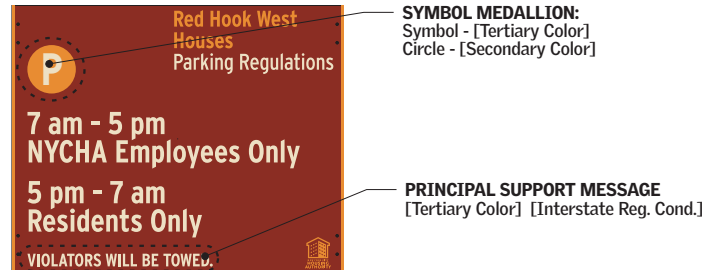
Tenant Logo: **Tertiary Color**

Map: **5 to 7 colors per chosen palette**

Note:
Refer to Chapter 3 for details.



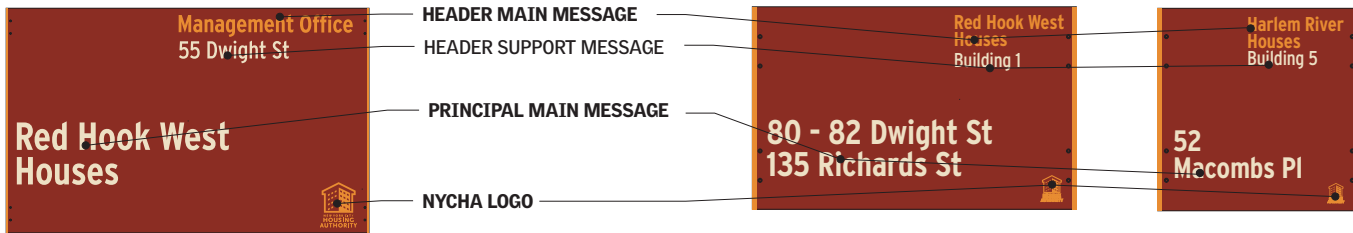
TYPICAL DIRECTIONAL SIGN PANEL LAYOUT
Information Hierarchy Layout Reference



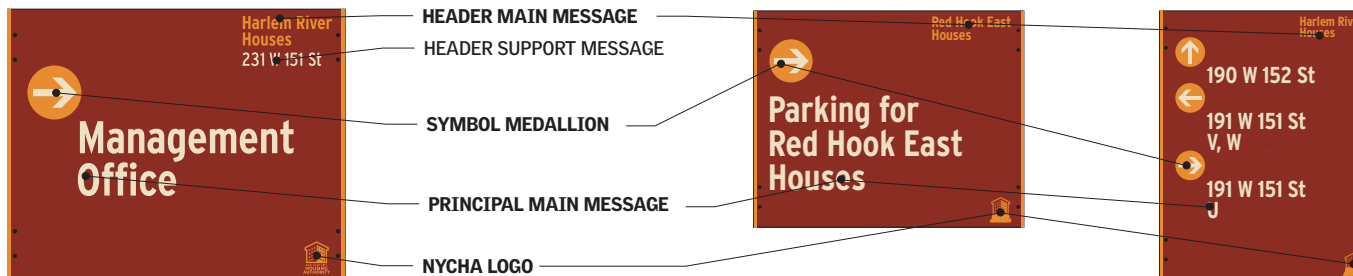
TYPICAL REGULATORY SIGN PANEL LAYOUT
Information Hierarchy Layout Reference

2.4 INFORMATION HIERARCHY

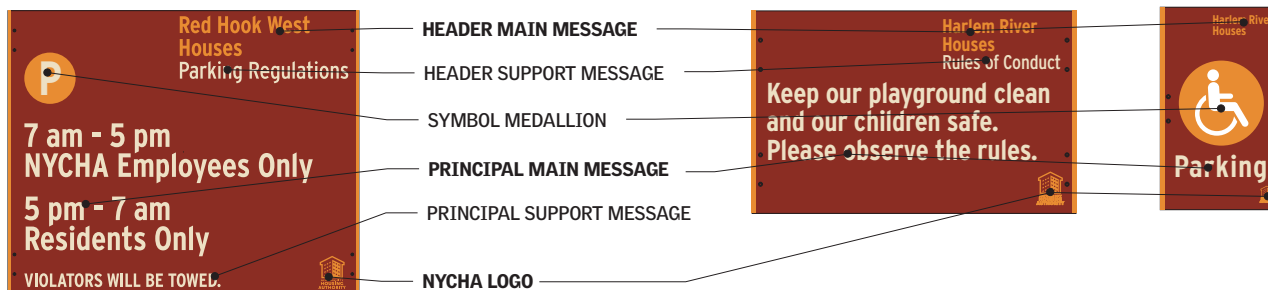
DESIGN STANDARDS



TYPICAL IDENTIFICATION SIGNS



TYPICAL DIRECTIONAL SIGNS



TYPICAL REGULATORY SIGNS

Information Hierarchy

The sign panel layouts establish an information and message hierarchy. The standard nomenclature conventions specified in these guidelines should always be used.

Header Messages:

*The upper right corner of the Panel is reserved for Header Messages. The **Main Header Message** such as the name of the development, can be followed by a **Support Header Message** containing supplementary information. As Main Header message, the word "Houses" of the development name must always appear first on the second line.*

Principal Messages:

*The main central and lower left corner area of the panel is reserved for Principal Messages. The **Main Principal Message**, such as the name of the development, way-finding directional text, rules and regulatory text, can sometimes be followed by **Support Principal Message** containing supplementary information.*

NYCHA Logo:

The lower right corner of the Panel is reserved for NYCHA Logo.

Symbol Medallion:

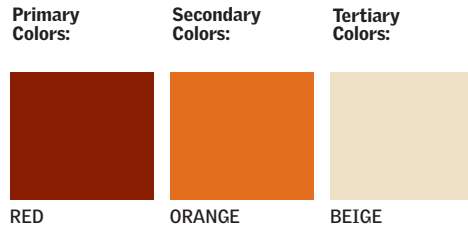
The pictograms and arrow medallions are positioned above the Principal Message.

Facility Logo:

If desired, Sign Types A3.2, A3.3, A4.1 and A5.1 can feature the facility tenant's corporate logo next to the Principal Message.

2.5 COLOR PALETTES

DESIGN STANDARDS



RED
Color Palette for NYC Landmarks Preservation Properties



BLUE
Alternative Color Palette



GREEN
Alternative Color Palette

Ancillary Colors:

Applies to Map Art & Map Symbols ONLY



WHITE

Arrows, Public Destinations
(Text on Secondary Color areas)



BLACK

"You Are Here",
Lobby address
(Text on Secondary Color areas)



LT. GREEN
(Pantone 5555C)

Vegetation areas
within property
(Lawns, gardens)



LT. BLUE
(Pantone 5415C)

Aquatic areas
within property
(Pools, fountains)

Color Palettes

Three separate color palettes have been developed to provide diversity for the sign system at any particular development while maintaining cohesive system-wide standards. These are intended to accommodate the range of different building materials found at individual developments as well as to provide options for individual choice of management and residents. The **Basic Palette: Red** was developed for use with conventional brick masonry and is acceptable to the New York City Landmarks Preservation Commission for use on landmark properties. **Alternative Palettes: Blue, Green** color options are available.

• **Primary Colors:**

Red / Blue / Green

Main Panel Backgrounds

Map - Outlines of housing buildings, grade change, stairs, ramps, entry lobbies (Text & Outlines on Tertiary Color area)

• **Secondary Colors:**

Orange / Dk. Yellow / Lt. Yellow

Text - Header Main Message, NYCHA Logo, Arrow & Pictogram Medallions, Panel Side Bands

Map - Housing buildings

• **Tertiary Colors:**

Beige / Beige / Lt. Gray

Text - Header Support Message, Principal Messages (Main & Support), Tenant Logo, Arrow, Pictograms
Map - Housing property block, under pass connectors, street names (Text on Primary Color area)

• **Ancillary Colors:**

White, Black, Lt. Green, Lt. Blue

Only applied to Map and Map Symbols.

Note:

Refer to pages 2.9 & 2.10 for Map information.

COLOR PALETTES

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890

TYPEFACE 1
Interstate-Bold Condensed

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890

TYPEFACE 2
Interstate-Regular Condensed

Typefaces

Interstate-Regular Condensed and **Interstate-Bold Condensed** have been selected as the principal typefaces for the NYCHA Signage System. These are highly legible and distinctive fonts designed for signage applications and their consistent use will help bring order, style and coherence to the way-finding experience at NYCHA developments.

Only these specific typefaces are allowed. Other fonts, including non-condensed versions of Interstate are not permitted. Letterspacing is established visually to match the examples in this manual.

Note:

Interstate-Regular Condensed and Interstate-Bold Condensed are available to design consultants and signage fabricators through the NYCHA Design Department or contact www.fonthaus.com for acquiring the fonts.

2.7 LOGOS

DESIGN STANDARDS



LOGO
New York City Housing Authority

NYCHA Logo

The NYCHA Logo is included on all sign layouts. Logo is always Secondary Color on Primary Color background. An electronic file of the logo will be made available to design consultants and signage fabricators by NYCHA Design Department.

Corporate Tenant's Logos

Institutional/service facility tenants within a NYCHA development may choose to incorporate their logos on the signs that identify their facilities: A3.2, A3.3, A4.1, and A5.1. The logo is always single color - Tertiary Color on Primary Color panel background. If the tenant wishes to use a corporate or institutional logo, a black and white copy of the artwork must be submitted to the Design Department for approval.

2.8 SYMBOLS - MESSAGE

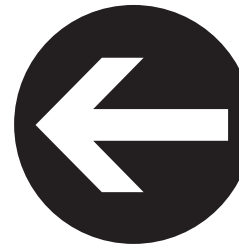
DESIGN STANDARDS



ADA ACCESSIBLE SYMBOL



PARKING SYMBOL



DIRECTIONAL ARROW SYMBOL
Arrow head pointing direction
may be adjusted as required.

Message Symbols

The Message Symbols are used in conjunction with the Principal "text" Messages to visually reinforce the information content. The Tertiary Color pictogram, or symbols are always positioned inside of Secondary Color medallion area.

ADA Accessible Symbol Medallion

This symbol is for identifying the ramp or doors accessible by wheelchairs on all message sign layouts.

Parking Symbol Medallion

This symbol is for identifying the parking lots for the residents and NYCHA employees on all message sign layouts.

Directional Arrow Symbol Medallion

This symbol is for identifying the way-finding directions on all message sign layouts.

Note:

Only these symbols are approved for use. If the need for an additional symbol arises, approval must first be obtained from the Design Director. Electronic vector art of these symbols will be made available to design consultants and signage fabricators by NYCHA Design Department.

2.9 SYMBOLS - MAP

DESIGN STANDARDS



Playground



Swimming Pool



Basket Ball Court



Soccer Field



Base Ball Field



Bus Stop



Parking Lot



Subway



Bike Lane



Tennis Court



Garden



No Dogs



No Smoking



You Are Here



Wheel Chair Access

Map Symbols

The Map Symbols are used exclusively in conjunction with the Orientation Map to visually reinforce the information content. These symbols are for identifying the amenity features on all map sign layouts only.

Typical Map Symbol Medallion:

- Medallion Outline: Secondary Color
- Medallion Inside: White
- Symbol: Primary Color

'You Are Here' Symbol Medallion:

- 'You Are Here' Medallion Outline: Black
- 'You Are Here' Medallion Inside: White
- 'Star Dot': Secondary Color
- 'Star': Primary Color

Note:

Only these symbols are approved for use. If the need for any additional symbol arises, approval must first be obtained from the Design Department. Electronic vector art of these symbols will be made available to design consultants and signage fabricators by NYCHA Design Department.

INSTALLATION & LAYOUTS

CHAPTER 3

3.1	Sign Type A1.1:	Installation	3.27	Sign Type B1.3:	Installation
3.2		Layout	3.28		Layout
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3.5	Sign Type A1.3:	Installation	3.31	Sign Type B2.1:	Installation
3.6		Layout	3.32		Layout
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3.15	Sign Type A3.2:	Installation	3.41	Sign Type C1.1:	Installation
3.16		Layout	3.42		Layout
3.17	Sign Type A3.3:	Installation	3.43	Sign Type C1.2:	Installation
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3.19	Sign Type A4.1:	Installation	3.45	Sign Type C1.3:	Installation
3.20		Layout	3.46		Layout
3.21	Sign Type A5.1:	Installation	3.47	Sign Type C1.4:	Installation
3.22		Layout	3.48		Layout
3.23	Sign Type B1.1:	Installation	3.49	Sign Type C2.1:	Installation
3.24		Layout	3.50		Layout
3.25	Sign Type B1.2:	Installation	3.51	Sign Type C2.2:	Installation
3.26		Layout	3.52		Layout

3.1 SIGN TYPE A1.1

THE SIGN SYSTEM

A1.1

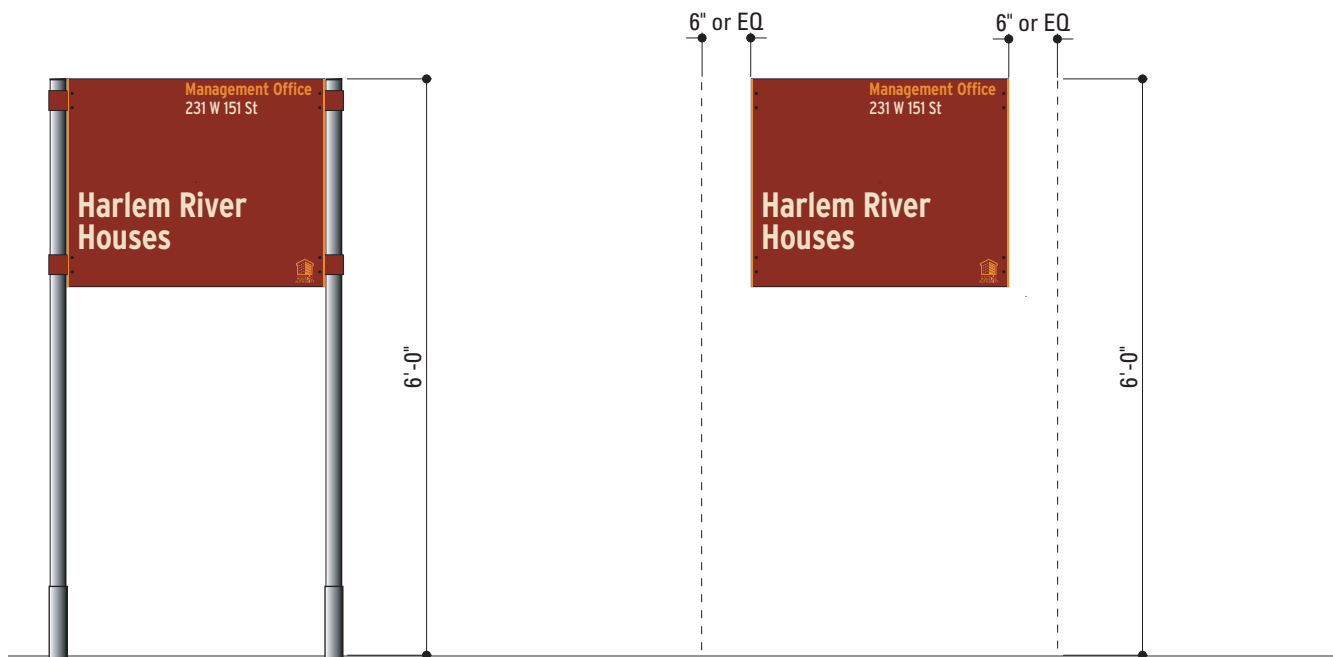
Development Identification - Small

Installation Elevation

A1.1 is used at entrances or at appropriate locations within the development. It is always preferable to use smaller panel signs unless the specific location or architectural context requires otherwise. This sign can be installed as single- or double-panel and either post- or wall-mounted and provides identification of the development at main site entrances. If needed, special mounting conditions may be adapted. Address of management office is always shown as Header Main Message.

For wall-mounted applications, this sign will typically be located at a building corner wall. For columns or appropriate wall conditions, the sign can also be centered.

Note: For combination display options, an A1.1 may accompany a B3.1 sign. Refer to page 1.6.



POST-MOUNTED INSTALLATION

WALL / SURFACE MOUNTED INSTALLATION

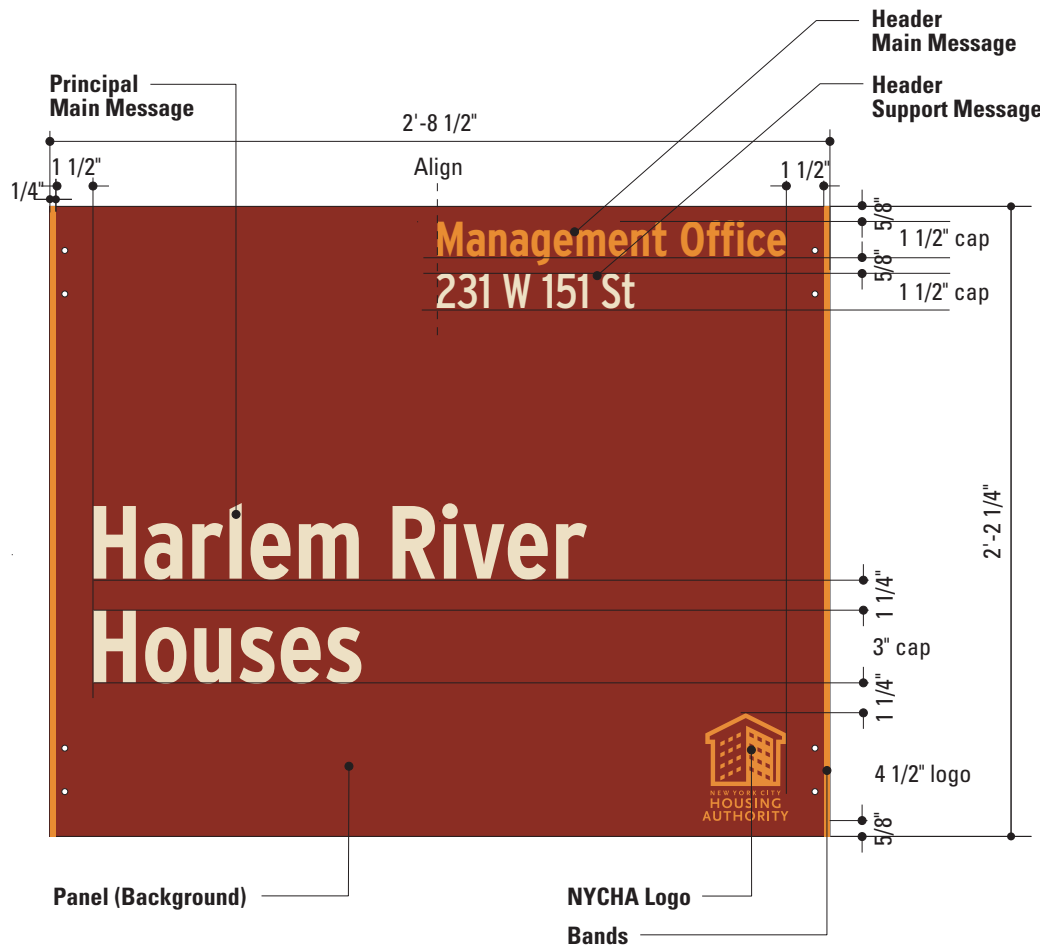
S/D/W/P/X

SIGN TYPE A1.1
Typical Elevation
1/2" = 1'-0" scale

SIGN TYPE A1.1
PAGE 3.1

3.2 SIGN TYPE A1.1

THE SIGN SYSTEM



A1.1

Development Identification - Small

Graphic Layout Detail

Header Main Message:

- Shown "Management Office"
Interstate Bold Condensed / Upper & lower case / Flush left / Secondary color

Header Support Message:

- Shown (street address)
Interstate Regular Condensed / Upper & lower case / Flush left / Tertiary color

Principal Main Message:

- Shown (development name)
Interstate Bold Condensed / Upper & lower case / Flush left / Tertiary color

Panel:

- Primary color

Bands:

- Secondary color

NYCHA Logo:

- Secondary color

3.3 SIGN TYPE A1.2

THE SIGN SYSTEM

A1.2

Development Identification - Large

Installation Elevations

The largest identification sign in the NYCHA system. This sign can be installed as single- or double-panel and either wall- or post-mounted and provides primary identification of the development at main site entrances. If needed, special mounting conditions may be adapted. Address of management office is always shown as Header Support Message.

For wall-mounted applications, this sign will typically be located at a building corner wall. For columns or appropriate wall conditions, the sign can also be centered.

Note: For combination display options, an A1.2 may accompany a B3.2 sign. Refer to page 1.6.



POST-MOUNTED INSTALLATION

WALL / SURFACE MOUNTED INSTALLATION

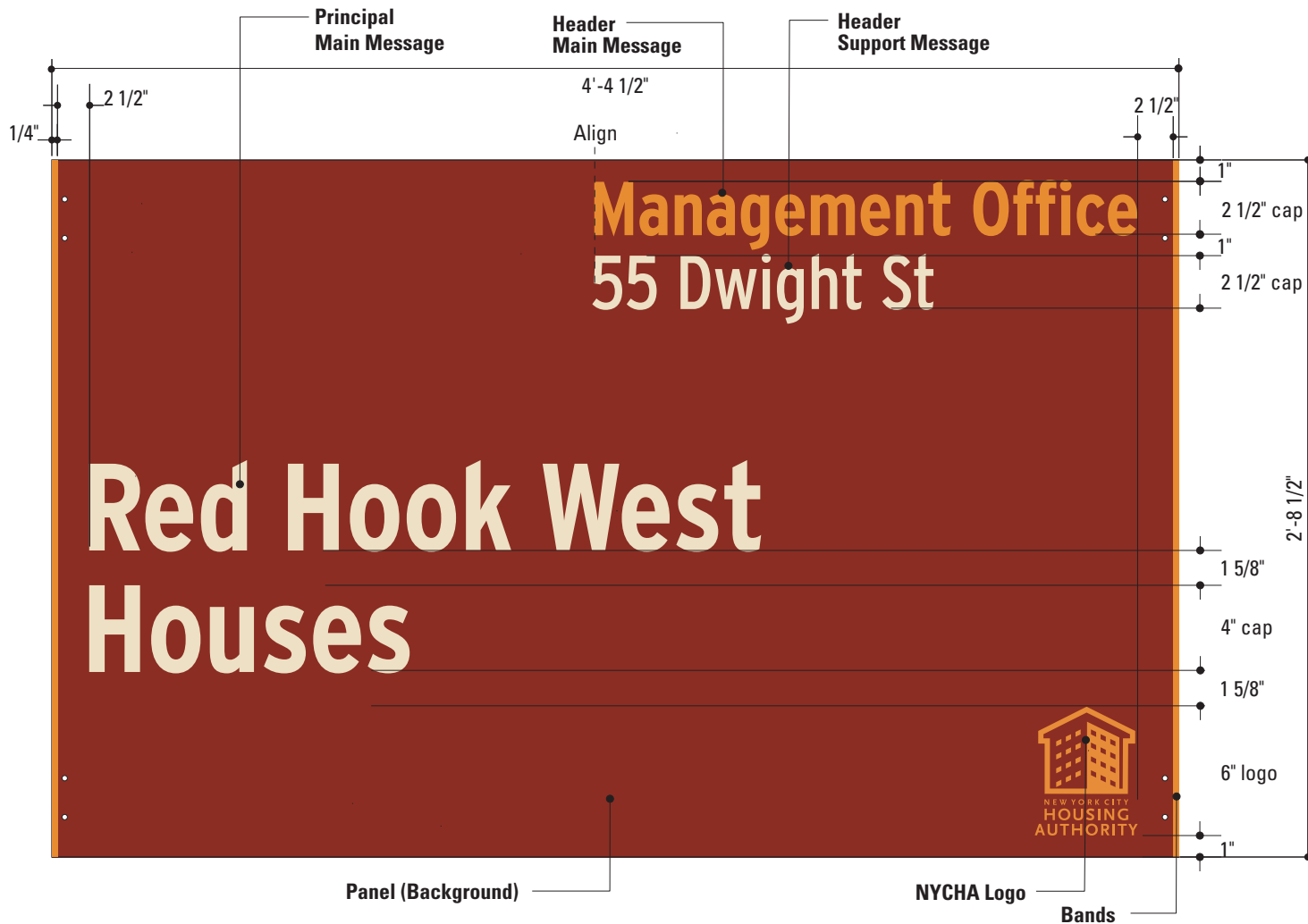
S/D/W/P/X

SIGN TYPE A1.2
Typical Elevation
1/2" = 1'-0" scale

SIGN TYPE A1.2
PAGE 3.3

3.4 SIGN TYPE A1.2

THE SIGN SYSTEM



A1.2

Development Identification - Large

Graphic Layout Detail

Header Main Message:

- Shown "Management Office"
Interstate Bold Condensed / Upper & lower case / Flush left / Secondary color

Header Support Message:

- Shown (street address)
Interstate Regular Condensed / Upper & lower case / Flush left / Tertiary color

Principal Main Message:

- Shown (development name)
Interstate Bold Condensed / Upper & lower case / Flush left / Tertiary color

Panel (Background)

- Primary color

Bands:

- Secondary color

NYCHA Logo:

- Secondary color

3.5 SIGN TYPE A1.3

THE SIGN SYSTEM

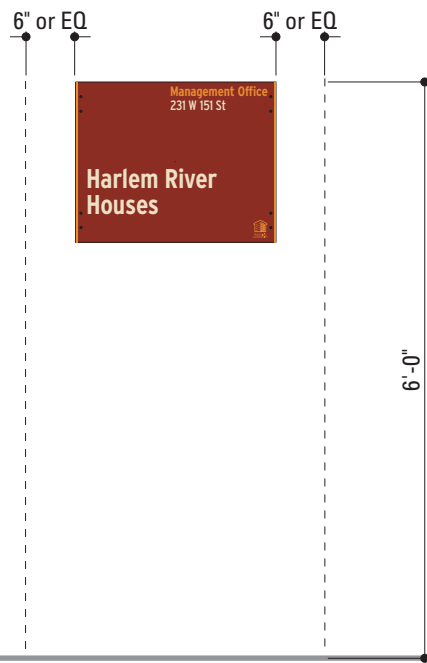
A1.3

Development Identification -
Site Specific

Installation Elevation

Type A1.3 is a development identification sign for use when a site specific solution is needed. It can be sized as needed and is smaller than other identification signs and is never post-mounted. If needed, special mounting conditions may be adapted. Address of management office is always shown as Header Support Message.

For wall-mounted applications, this sign will typically be located at a building corner wall. For columns or appropriate wall conditions, the sign can also be centered.



WALL / SURFACE MOUNTED INSTALLATION

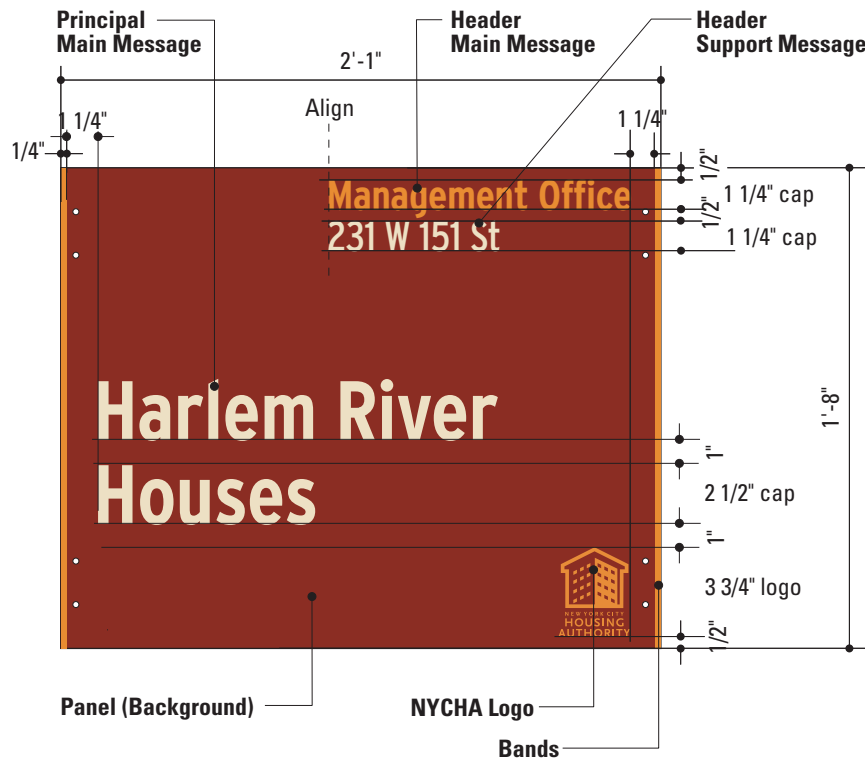
SIGN TYPE A1.3
Typical Elevation
1/2" = 1'-0" scale

S/W/X

SIGN TYPE A1.3
PAGE 3.5

3.6 SIGN TYPE A1.3

THE SIGN SYSTEM



A1.3

Development Identification -
Site Specific

Graphic Layout Detail

These dimensions and layouts can be adjusted to conform to special site requirements.

Header Main Message:

- Shown "Management Office"
Interstate Bold Condensed / Upper & lower case / Flush left / Secondary color

Header Support Message:

- Shown (street address)
Interstate Regular Condensed / Upper & lower case / Flush left / Tertiary color

Principal Main Message:

- Shown (development name)
Interstate Bold Condensed / Upper & lower case / Flush left / Tertiary color

Panel (Background)

- Primary color

Bands:

- Secondary color

NYCHA Logo:

- Secondary color

3.7 SIGN TYPE A2.1

THE SIGN SYSTEM

A2.1

Building Identification - Small

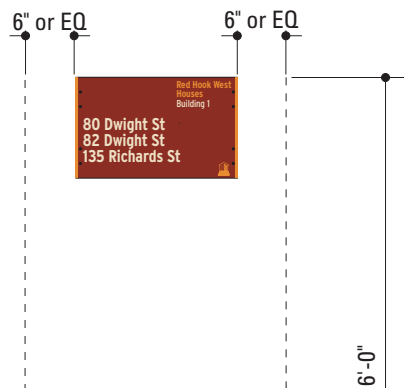
Installation Elevation

This sign was designed to identify individual development buildings with a small number of addresses (1 to 3). It is placed on the building near entrances or walkways so that it can be easily seen by residents, visitors and staff. It is always wall-mounted to respective building structures.

To accommodate the range of messaging that may required by different development or building characteristics throughout NYCHA, this sign provides for several layout options.

Development name and building numbers are always shown as Header Main and Support Messages.

For wall-mounted applications, this sign will typically be located at a building corner wall. For columns or appropriate wall conditions, the sign can also be centered.



WALL MOUNTED INSTALLATION

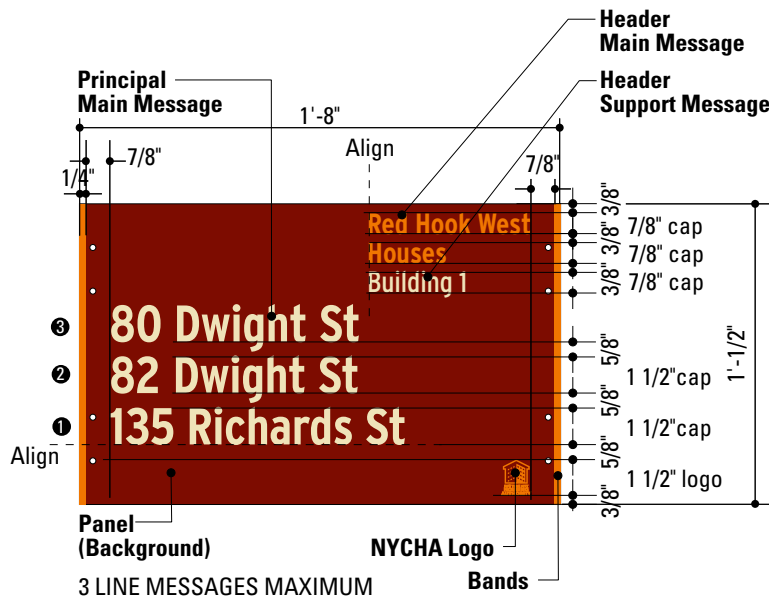
SIGN TYPE A2.1
Typical Elevation
1/2" = 1'-0" scale

S/W

SIGN TYPE A2.1
PAGE 3.7

3.8 SIGN TYPE A2.1

THE SIGN SYSTEM



ALTERNATE LAYOUT FOR MULTIPLE LISTINGS



ALTERNATE LAYOUT FOR HIGH RISE BUILDINGS

A2.1

Building Identification - Small

Graphic Layout Details

Header Main Message:

- Shown (Development Name)
Interstate Bold Condensed / Upper & lower case / Flush left / Secondary color

Header Support Message:

- Shown (Building Number)
Interstate Regular Condensed / Upper & lower case / Flush left / Tertiary color

Principal Main Message:

- Shown (street address)
Interstate Bold Condensed / Upper & lower case / Flush left / Tertiary color

Panel (Background)

- Primary color

Bands:

- Secondary color

NYCHA Logo:

- Secondary color

3.9 SIGN TYPE A2.2

THE SIGN SYSTEM

A2.2

Building Identification - Medium

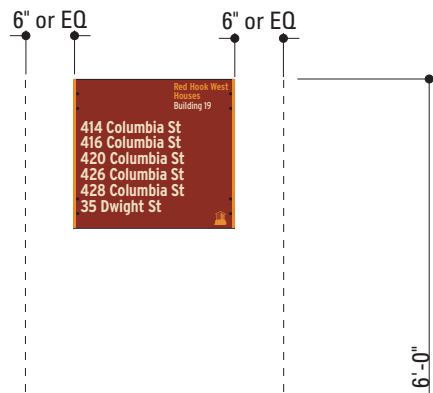
Installation Elevation

This sign was designed to identify individual development buildings with multiple addresses (3 to 6). It is placed on the building near entrances or walkways so that it can be easily seen by residents, visitors and staff. It is always wall-mounted to respective building structure.

To accommodate the range of messaging that may be required by different development or building characteristics throughout NYCHA, this sign provides for several layout options.

Development name and building numbers are always shown as Header Main and Support Messages.

For wall-mounted applications, this sign will typically be located at a building corner wall. For columns or appropriate wall conditions, the sign can also be centered.



WALL MOUNTED INSTALLATION

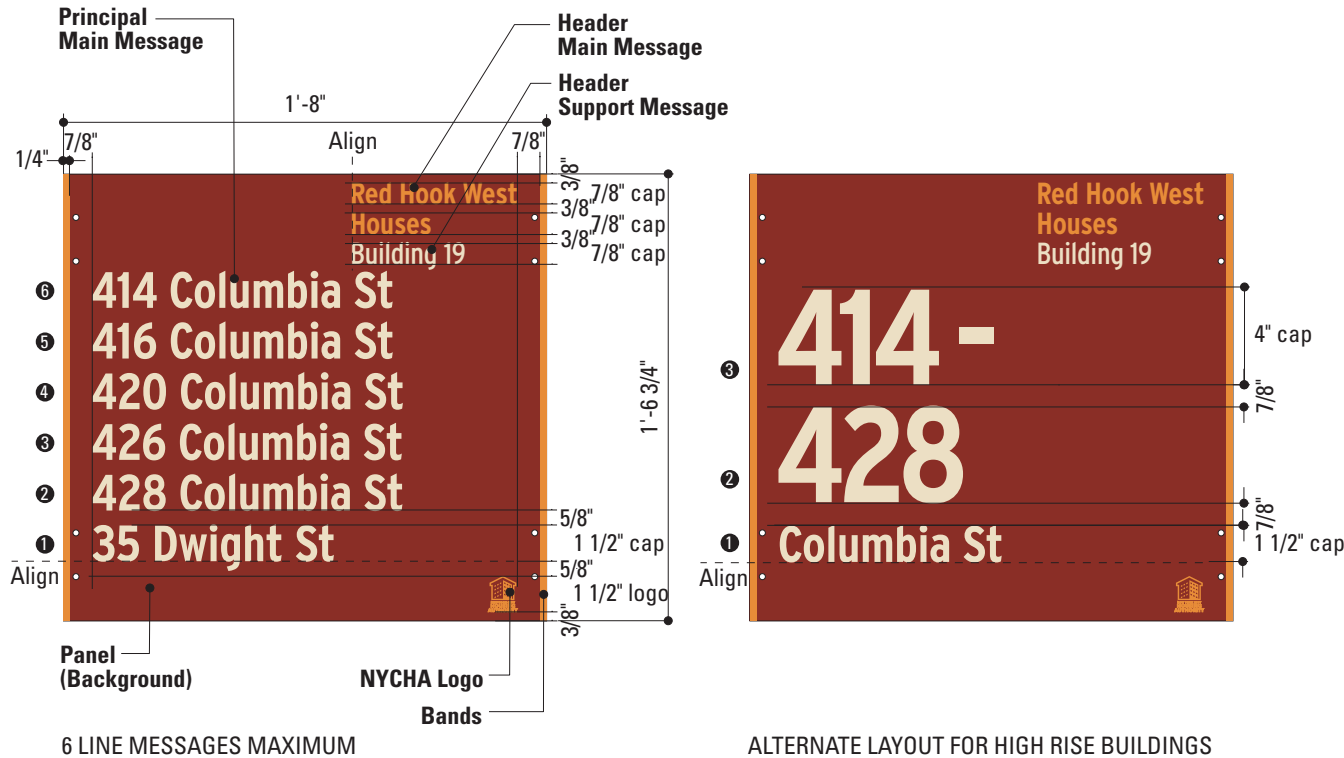
SIGN TYPE A2.2
Typical Elevation
1/2" = 1'-0" scale

S/W

SIGN TYPE A2.2
PAGE 3.9

3.10 SIGN TYPE A2.2

THE SIGN SYSTEM



A2.2

Building Identification - Medium

Graphic Layout Details

Header Main Message:

- Shown (Development Name)
Interstate Bold Condensed / Upper & lower case / Flush left / Secondary color

Header Support Message:

- Shown (Building Number)
Interstate Regular Condensed / Upper & lower case / Flush left / Tertiary color

Principal Main Message:

- Shown (street address)
Interstate Bold Condensed / Upper & lower case / Flush left / Tertiary color

Panel (Background)

- Primary color

Bands:

- Secondary color

NYCHA Logo:

- Secondary color

3.11 SIGN TYPE A2.3

THE SIGN SYSTEM

A2.3

Building Identification - Large

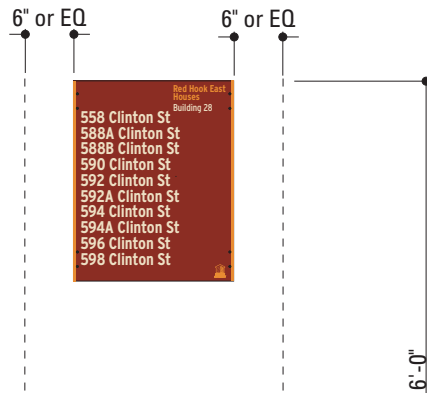
Installation Elevation

This sign was designed to identify individual development buildings with a maximum count of addresses (6 to 9). It is placed on the building near entrances or walkways so that it can be easily seen by residents, visitors and staff. It is always wall-mounted to respective building structure.

To accommodate the range of messaging that may be required by different development or building characteristics throughout NYCHA, this sign provides for several layout options.

Development name and building numbers are always shown as Header Main and Support Messages.

For wall-mounted applications, this sign will typically be located at a building corner wall. For columns or appropriate wall conditions, the sign can also be centered.



WALL MOUNTED INSTALLATION

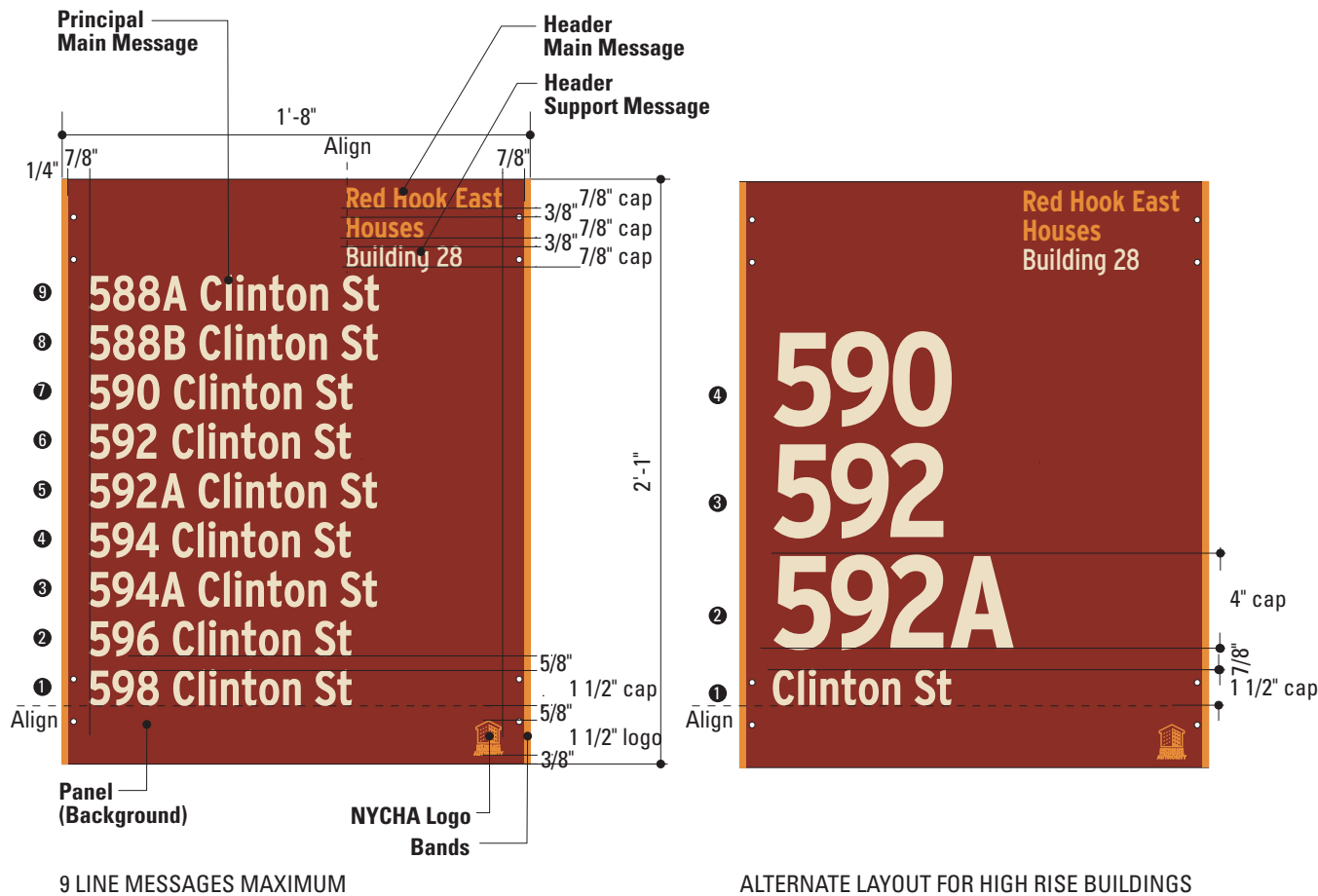
S/W

SIGN TYPE A2.3
Typical Elevation
1/2" = 1'-0" scale

SIGN TYPE A2.3
PAGE 3.11

3.12 SIGN TYPE A2.3

THE SIGN SYSTEM



A2.3

Building Identification - Large

Graphic Layout Details

Header Main Message:

- Shown (Development Name)
Interstate Bold Condensed / Upper & lower case / Flush left / Secondary color

Header Support Message:

- Shown (Building Number)
Interstate Regular Condensed / Upper & lower case / Flush left / Tertiary color

Principal Main Message:

- Shown (street address)
Interstate Bold Condensed / Upper & lower case / Flush left / Tertiary color

Panel (Background)

- Primary color

Bands:

- Secondary color

NYCHA Logo:

- Secondary color

3.13 SIGN TYPE A3.1

THE SIGN SYSTEM

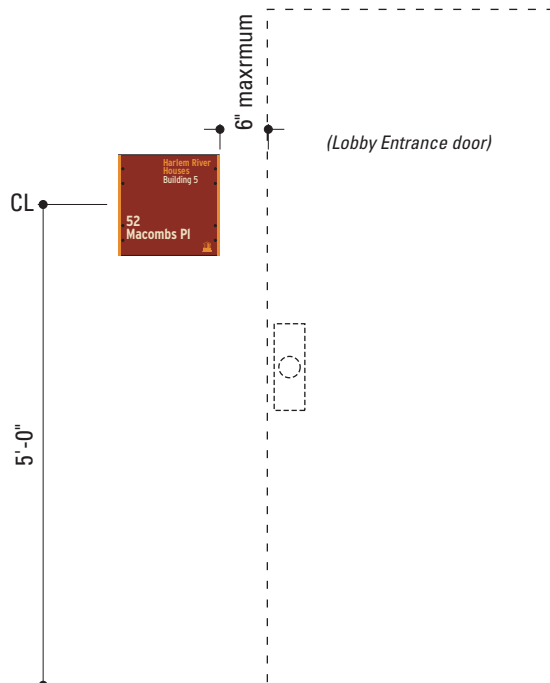
A3.1

Lobby Entrance Identification

Installation Elevation

This sign was designed to identify individual building entrances and is used to sign an individual address. It is always wall-mounted and placed closely to and in direct correspondence with the latch side of a specific entry to residential Lobby/Stairwell.

Development name and building numbers are always shown as Header Main and Support Messages.



WALL MOUNTED INSTALLATION

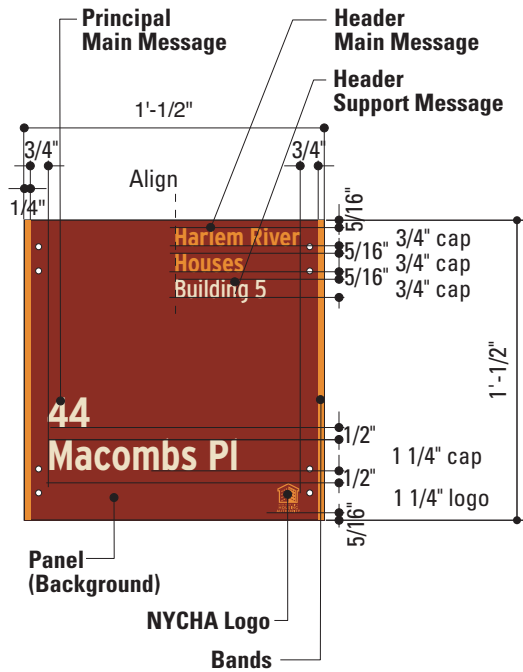
SIGN TYPE A3.1
Typical Elevation
1/2" = 1'-0" scale

S/W

SIGN TYPE A3.1
PAGE 3.13

3.14 SIGN TYPE A3.1

THE SIGN SYSTEM



A3.1

Lobby Entrance Identification

Graphic Layout Details

Header Main Message:

- Shown (Development Name)
Interstate Bold Condensed / Upper & lower case / Flush left / Secondary color

Header Support Message:

- Shown (Building Number)
Interstate Regular Condensed / Upper & lower case / Flush left / Tertiary color

Principal Main Message:

- Shown (street address)
Interstate Bold Condensed / Upper & lower case / Flush left / Tertiary color

Panel (Background)

- Primary color

Bands:

- Secondary color

NYCHA Logo:

- Secondary color

3.15 SIGN TYPE A3.2

THE SIGN SYSTEM

A3.2

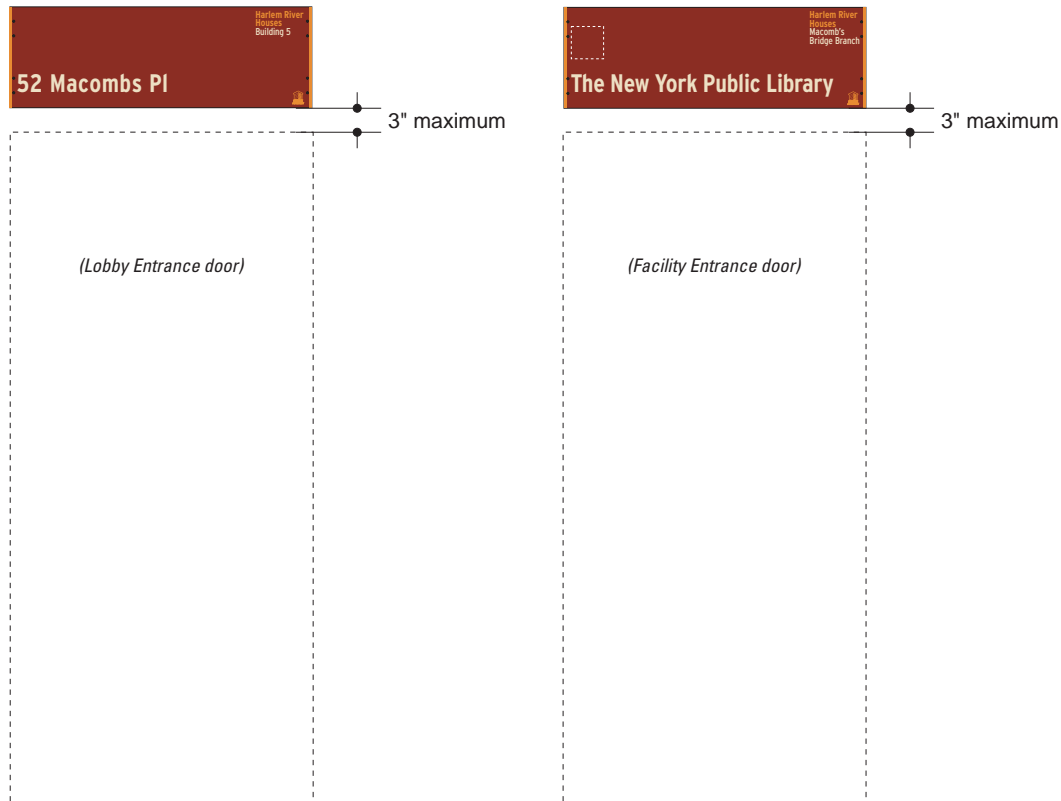
Lobby Entrance ID - Alternate
Facility Entrance ID - Alternate

Installation Elevation

Alternate sign option for both A3.1 and A3.3.
It is always wall-mounted overhead and placed to
and in direct correspondence to a specific entry.

For Lobby Entrance ID, development name and
building numbers are always shown as Header
Main and Support Messages.

For Facility Entrance ID, development name is
always shown as Header Main message.



WALL MOUNTED INSTALLATION

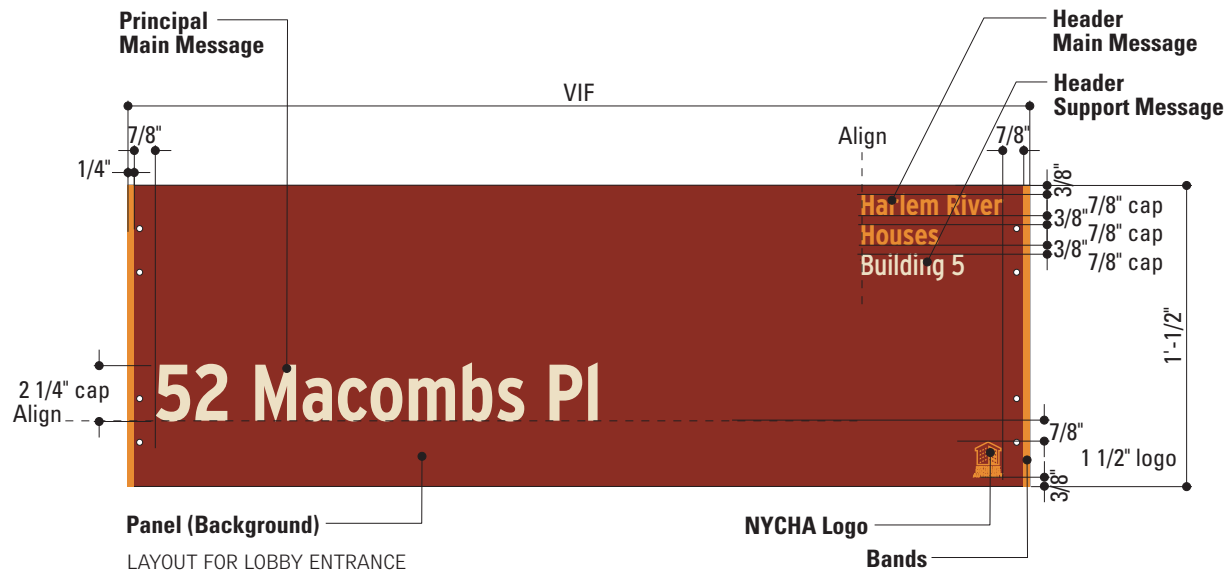
S/W

SIGN TYPE A3.2
Typical Elevation
1/2" = 1'-0" scale

SIGN TYPE A3.2
PAGE 3.15

3.16 SIGN TYPE A3.2

THE SIGN SYSTEM



LAYOUT FOR LOBBY ENTRANCE



LAYOUT FOR FACILITY ENTRANCE

A3.2

Lobby Entrance ID - Alternate
Facility Entrance ID - Alternate

Graphic Layout Details

Header Main Message:

- Shown (Development Name)
Interstate Bold Condensed / Upper & lower case / Flush left / Secondary color

Header Support Message:

- Shown (Building Number / "Macombs...")
Interstate Regular Condensed / Upper & lower case / Flush left / Tertiary color

Principal Main Message:

- Shown (Street Address / Facility Name)
Interstate Bold Condensed / Upper & lower case / Flush left / Tertiary color

Panel (Background)

- Primary color

Bands:

- Secondary color

NYCHA Logo:

- Secondary color

Tenant Logo:

- Tertiary color

3.17 SIGN TYPE A3.3

THE SIGN SYSTEM

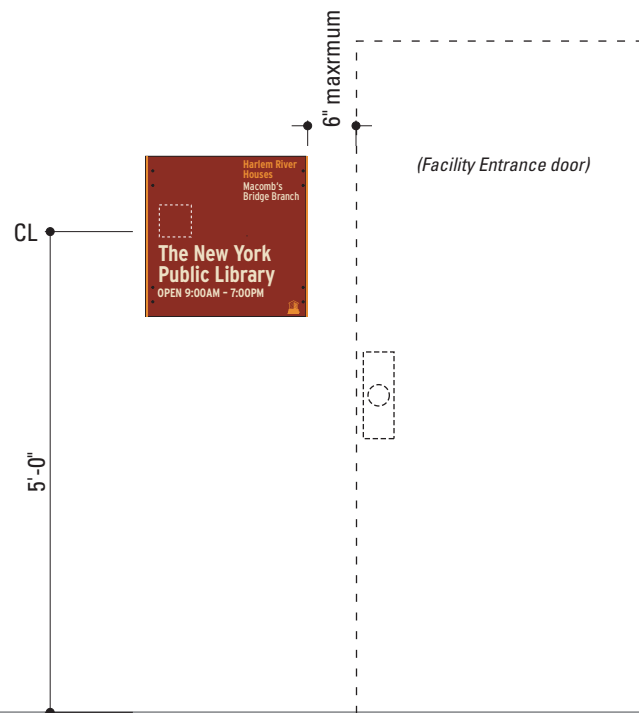
A3.3

Facility Entrance Identification

Installation Elevation

This sign is used to identify individual development facilities. It is always wall-mounted and placed closely to and in direct correspondence with the latch side of a specific entry to visitor-heavy public destinations.

Development is always shown as Header Main Message.



WALL MOUNTED INSTALLATION

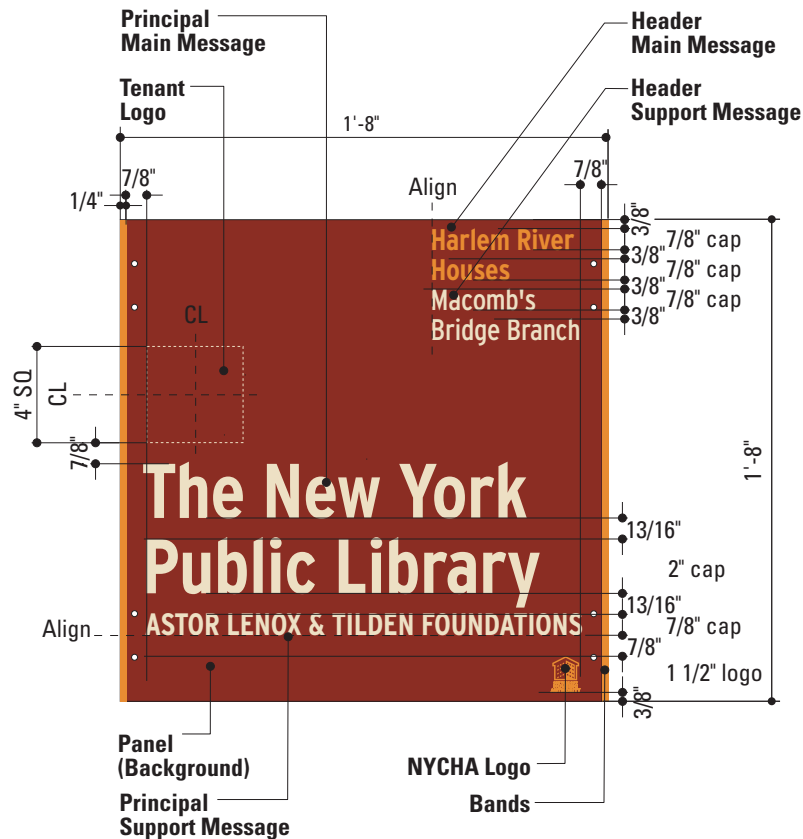
S/W

SIGN TYPE A3.3
Typical Elevation
1/2" = 1'-0" scale

SIGN TYPE A3.3
PAGE 3.17

3.18 SIGN TYPE A3.3

THE SIGN SYSTEM



A3.3

Facility Marker

Graphic Layout Details

Header Main Message:

- Shown (Development Name)
- Interstate Bold Condensed / Upper & lower case / Flush left / Secondary color

Header Support Message:

- Shown (Macombs Bridge Branch)
- Interstate Regular Condensed / Upper & lower case / Flush left / Tertiary color

Principal Main Message:

- Shown (Facility Name)
- Interstate Bold Condensed / Upper & lower case / Flush left / Tertiary color

Principal Support Message:

- Shown (Miscellaneous Information)
- Interstate Regular Condensed / Upper caps / Flush left / Tertiary color

Panel (Background)

- Primary color

Bands:

- Secondary color

NYCHA Logo:

- Secondary color

Tenant Logo:

- Tertiary color

3.19 SIGN TYPE A4.1

THE SIGN SYSTEM

A4.1

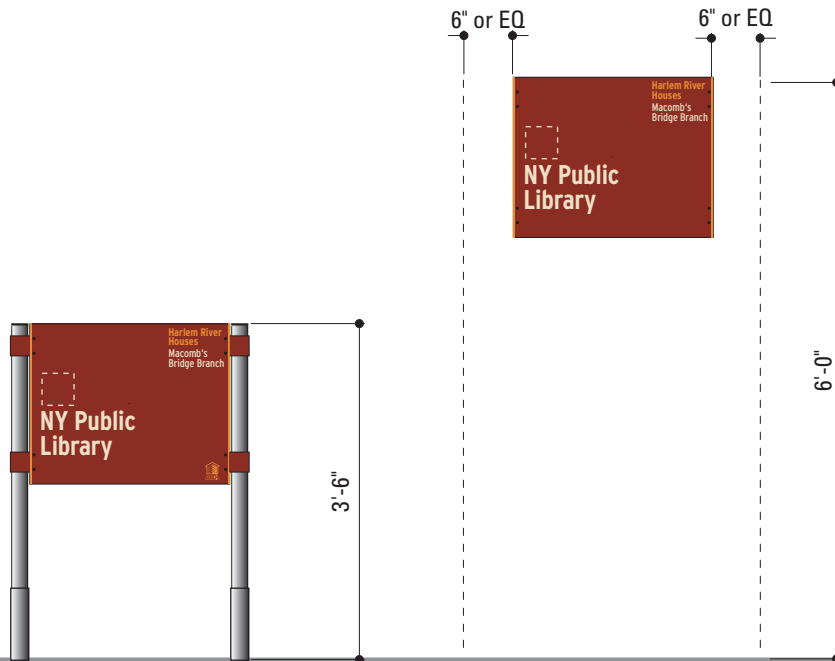
Facility Marker

Installation Elevation

This sign marks individual development facilities. It is placed near the walkway so that it can be easily seen by residents, visitors and staff. It is post-mounted or special mounting conditions may be adapted.

Development name and building numbers are always shown as Header Main and Support Messages.

For wall-mounted applications, this sign will typically be located at a building corner wall. For columns or appropriate wall conditions, the sign can also be centered.



POST-MOUNTED INSTALLATION

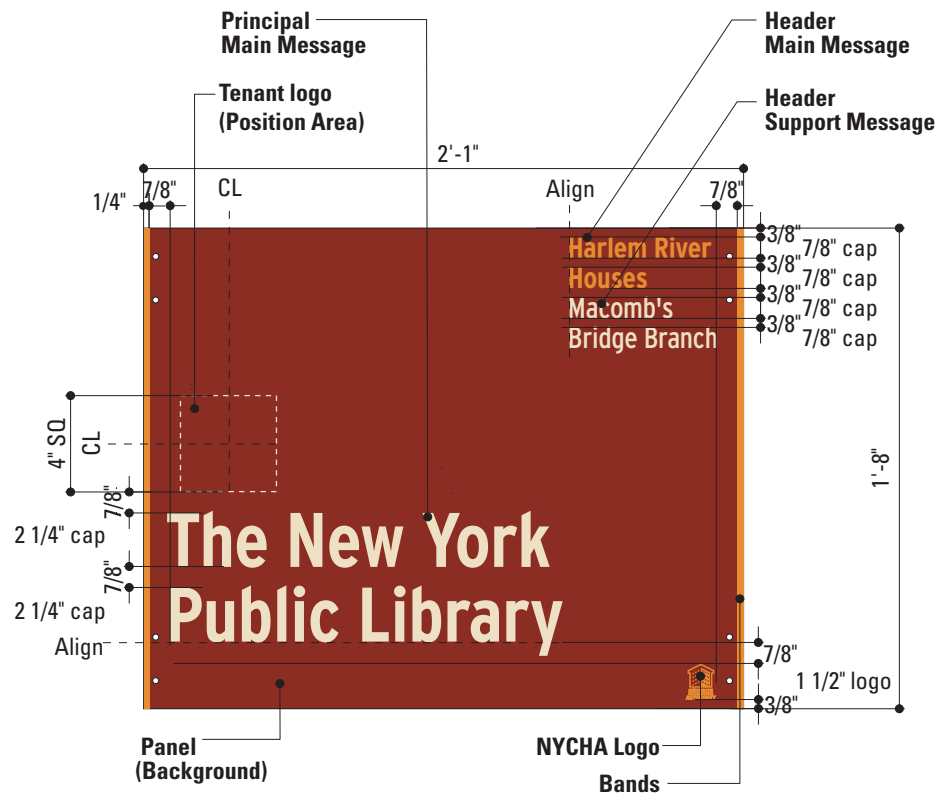
S/D/P/X

SIGN TYPE A4.1
Typical Elevation
1/2" = 1'-0" scale

SIGN TYPE A4.1
PAGE 3.19

3.20 SIGN TYPE A4.1

THE SIGN SYSTEM



A4.1

Facility Marker

Graphic Layout Details

Header Main Message:

- Shown (Development Name)
Interstate Bold Condensed / Upper & lower case / Flush left / Secondary color

Header Support Message:

- Shown "Macombs Bridge Branch"
Interstate Regular Condensed / Upper & lower case / Flush left / Tertiary color

Principal Main Message:

- Shown (Facility Name)
Interstate Bold Condensed / Upper & lower case / Flush left / Tertiary color

Panel (Background)

- Primary color

Bands:

- Secondary color

NYCHA Logo:

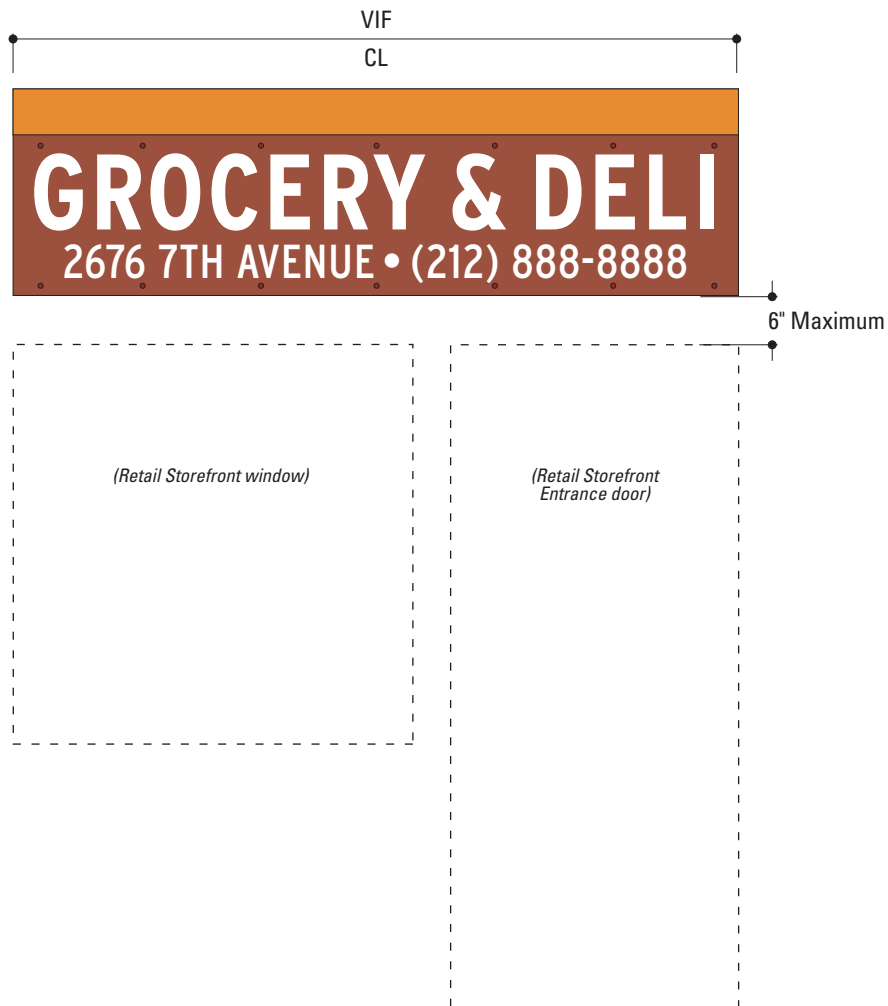
- Secondary color

Tenant Logo:

- Tertiary color

3.21 SIGN TYPE A5.1

THE SIGN SYSTEM



A5.1

Retail Storefront Identification

Installation Elevation

Sign Type A5.1 establishes a consistent standard for retail tenant identification for storefront applications.

This sign contains integral fluorescent illumination and is mounted along the full width of the storefront location. This overhead sign can be wall-mounted to respective building structure.

Retail Storefront Sign panels, complete with fluorescent fixtures, are to be permanently installed at all storefront locations. When lessee changes happen, only the graphic elements - such as names and logos - should be reordered and reapplied at the site.

WALL MOUNTED INSTALLATION

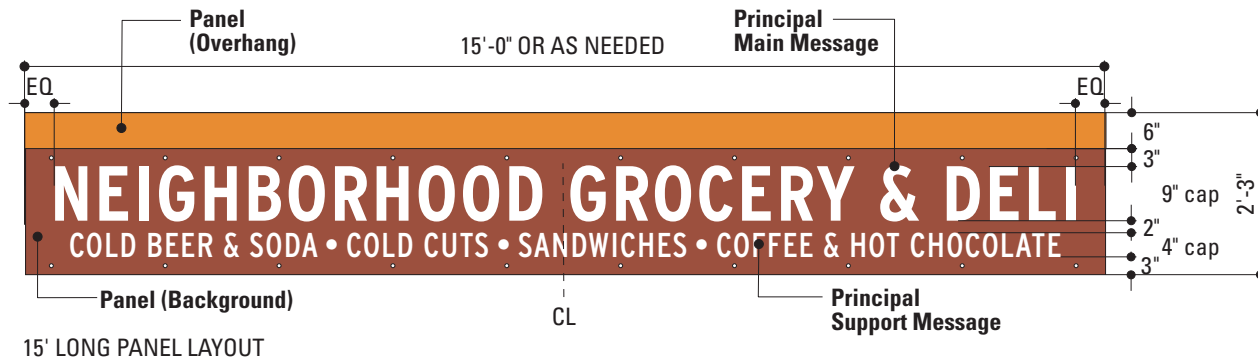
SIGN TYPE A5.1
Typical Elevation
1/2" = 1'-0" scale

S/W

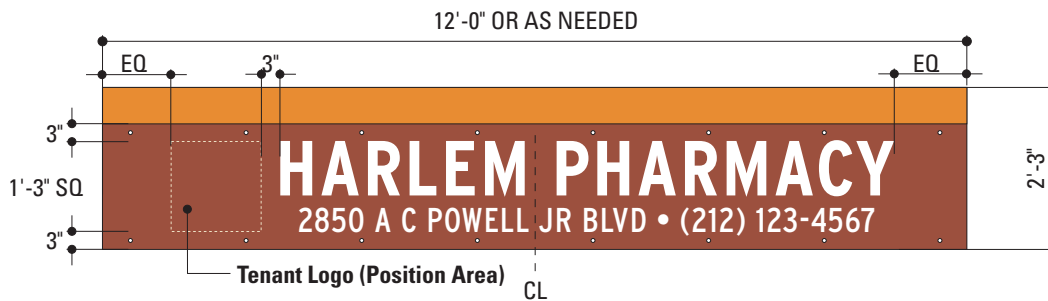
SIGN TYPE A5.1
PAGE 3.21

3.22 SIGN TYPE A5.1

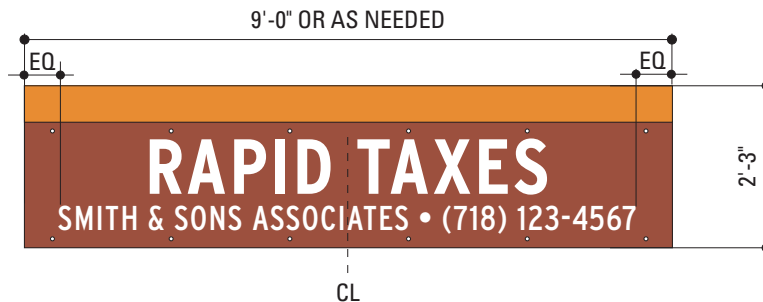
THE SIGN SYSTEM



15' LONG PANEL LAYOUT



12' LONG PANEL LAYOUT (WITH TENANT LOGO OPTION)



9' LONG PANEL LAYOUT

A5.1

Retail Storefront Identification

Graphic Layout Detail

Principal Main Message:

- Shown (Name of Tenant Operation)
Interstate Bold Condensed / All caps / Centered / White adhesive vinyl cut-outs

Support Message:

- Shown (Address, phone number, etc.)
Interstate Regular Condensed / All caps / Centered / White adhesive vinyl cut-outs

Panel (Background):

- Primary color - Porcelain

Panel (Overhang):

- Secondary color - Porcelain

Tenant Logo:

- White adhesive vinyl cut-outs

3.23 SIGN TYPE B1.1

THE SIGN SYSTEM

B1.1

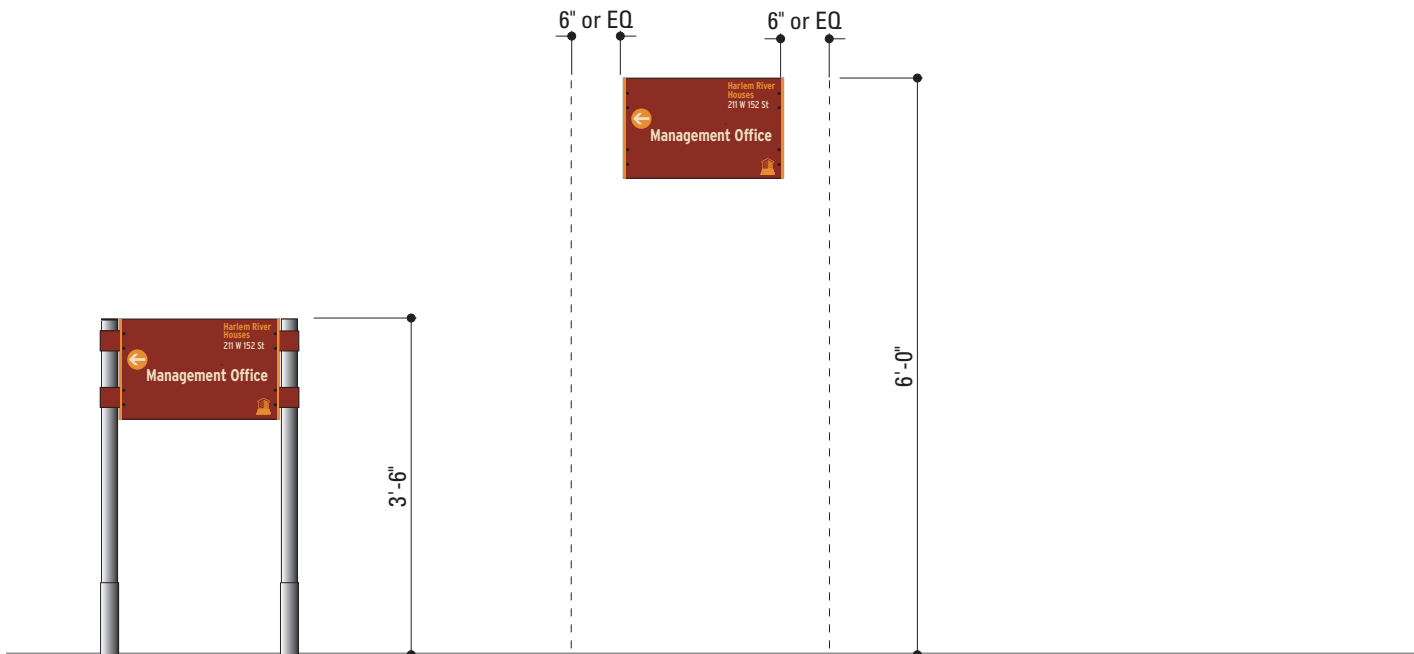
Pedestrian Directional - Small

Installation Elevation

This sign provides for a single message and is used for a specific destination directional along circulation routes. The sign can be installed as single- or double-panel, wall-mount or post-mounted. Adapt mounting as needed to unique or special conditions (i.e.: railing, fence, etc.) appropriate to individual sites.

Development name is always shown as Header Main Message. Provide address as Header Support Message for management office directional signs.

For wall-mounted applications, this sign will typically be located at a building corner wall. For columns or appropriate wall conditions, the sign can also be centered.



POST-MOUNTED INSTALLATION

WALL / SURFACE MOUNTED INSTALLATION

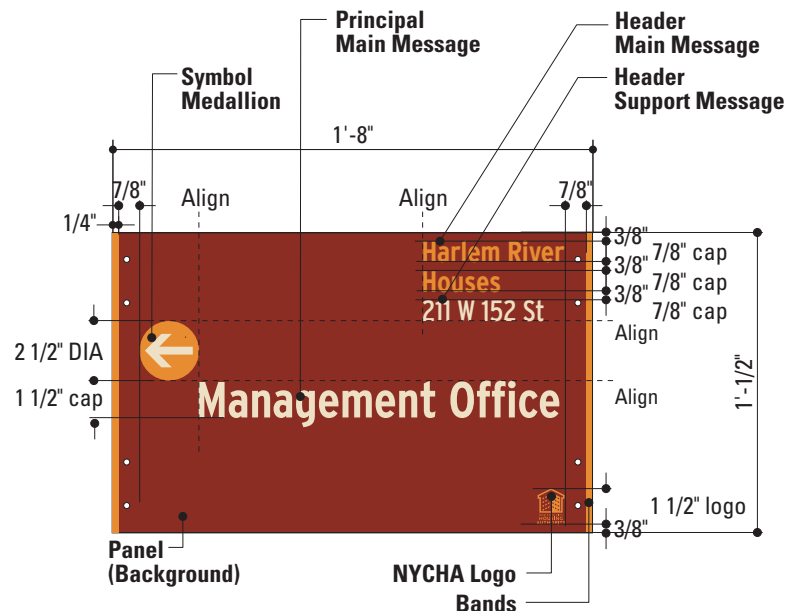
S/D/W/P/X

SIGN TYPE B1.1
Typical Elevation
1/2" = 1'-0" scale

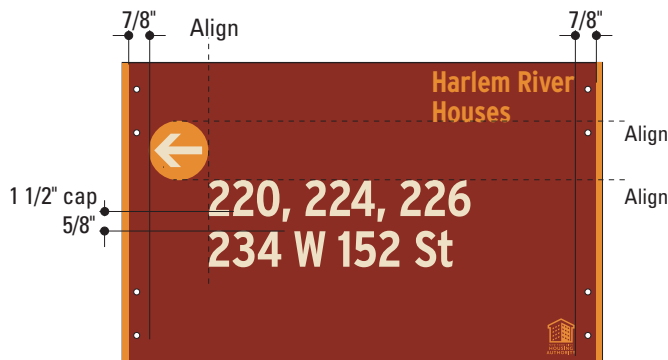
SIGN TYPE B1.1
PAGE 3.23

3.24 SIGN TYPE B1.1

THE SIGN SYSTEM



OPTIONAL LAYOUT



OTHER DESTINATION DIRECTIONAL

B1.1

Pedestrian Directional - Small

Graphic Layout Details

Header Main Message:

- Shown (Development Name)
Interstate Bold Condensed / Upper & lower case / Flush left / Secondary color

Header Support Message:

- Shown (Management Office Street Address)
Interstate Regular Condensed / Upper & lower case / Flush left / Tertiary color

Symbol Medallion:

- Shown (arrow)
Tertiary color / Symbol background - Secondary color

Principal Main Message:

- Shown (Building Street Address and Destination)
Interstate Bold Condensed / Upper & lower case / Flush left / Tertiary color

Panel (Background)

- Primary color

Bands:

- Secondary color

NYCHA Logo:

- Secondary color

3.25 SIGN TYPE B1.2

THE SIGN SYSTEM

B1.2

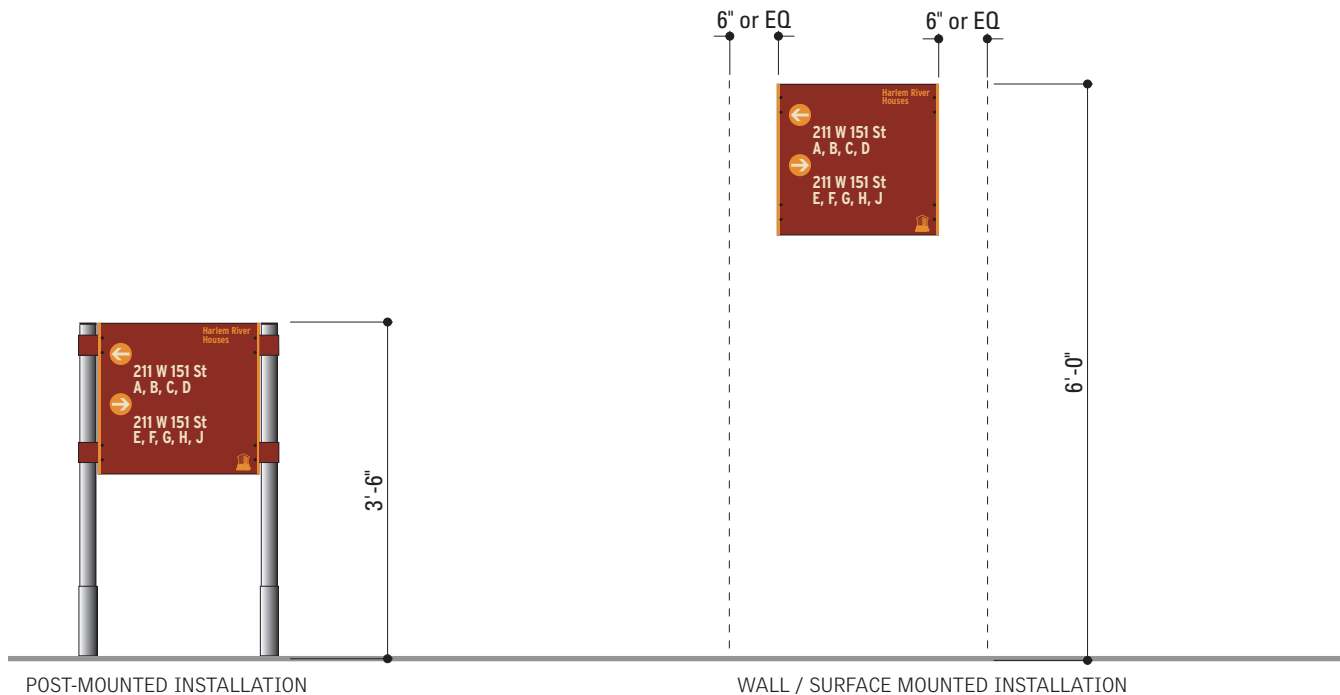
Pedestrian Directional - Medium

Installation Elevation

B1.2 sign should be used if the text message is between 4 to 6 lines. The sign can be installed as single- or double-panel, wall-mount or post-mounted. Adapt mounting as needed to unique or special conditions (i.e.: railing, fence, etc.) appropriate to individual sites.

Development name is always shown as Header Main Message.

For wall-mounted applications, this sign will typically be located at a building corner wall. For columns or appropriate wall conditions, the sign can also be centered.



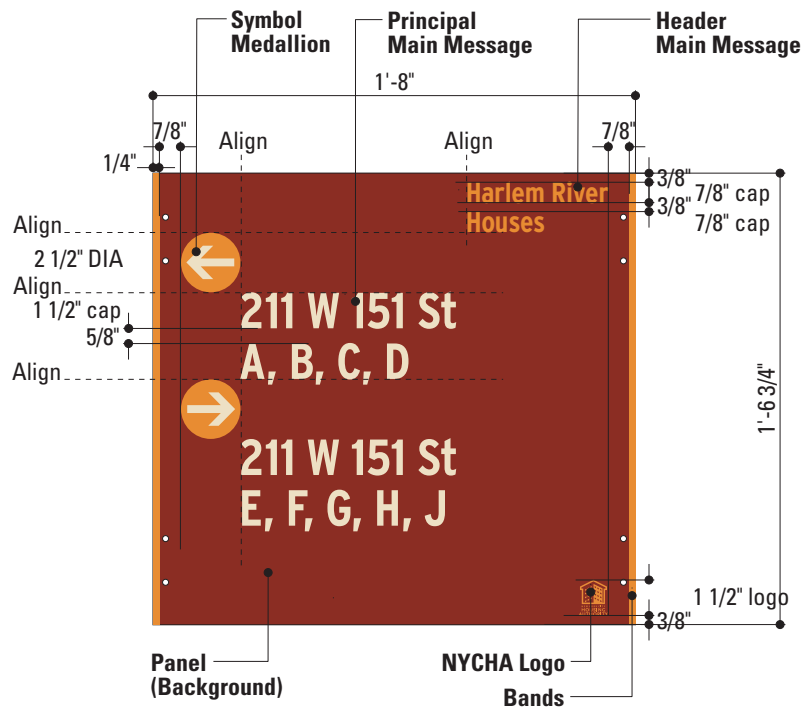
SIGN TYPE B1.2
Typical Elevation
1/2" = 1'-0" scale

S/D/W/P/X

SIGN TYPE B1.2
PAGE 3.25

3.26 SIGN TYPE B1.2

THE SIGN SYSTEM



B1.2

Pedestrian Directional - Medium

Graphic Layout Details

Header Main Message:

- Shown (Development Name)
Interstate Bold Condensed / Upper & lower case / Flush left / Secondary color

Symbol Medallion:

- Shown (arrow)
Tertiary color / Symbol background - Secondary color

Principal Main Message:

- Shown (Building Street Address)
Interstate Bold Condensed / Upper & lower case / Flush left / Tertiary color

Panel (Background)

- Primary color

Bands:

- Secondary color

NYCHA Logo:

- Secondary color

3.27 SIGN TYPE B1.3

THE SIGN SYSTEM

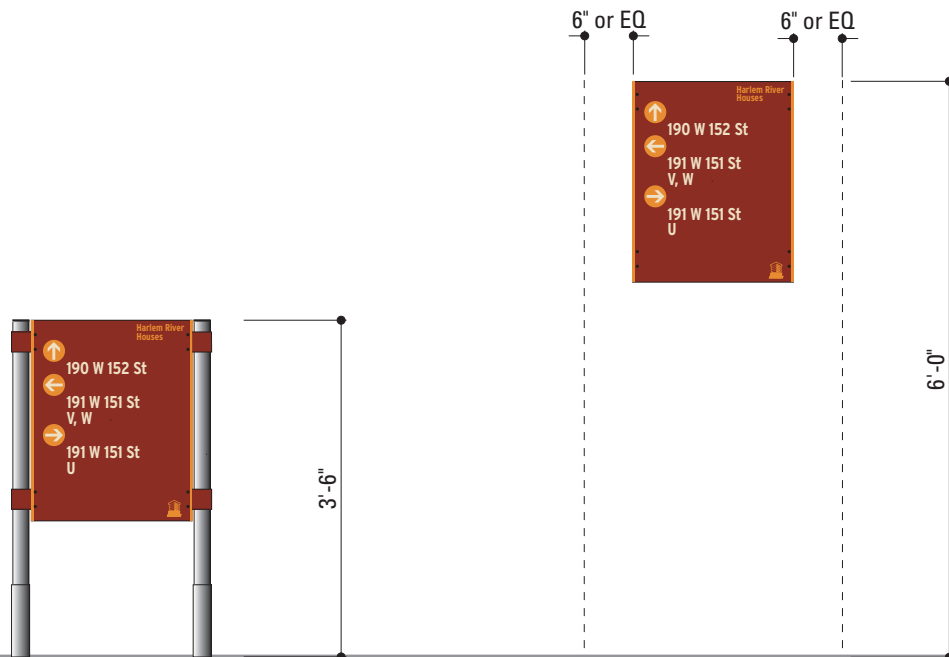
B1.3

Pedestrian Directional - Large

B1.3 sign should be used if the text message is more than 6 lines. The sign can be installed as single- or double-panel, wall-mount or post-mounted. Adapt mounting as needed to unique or special conditions (i.e.: railing, fence, etc.) appropriate to individual sites.

Development name is always shown as Header Main Message.

For wall-mounted applications, this sign will typically be located at a building corner wall. For columns or appropriate wall conditions, the sign can also be centered.



POST-MOUNTED INSTALLATION

WALL / SURFACE MOUNTED INSTALLATION

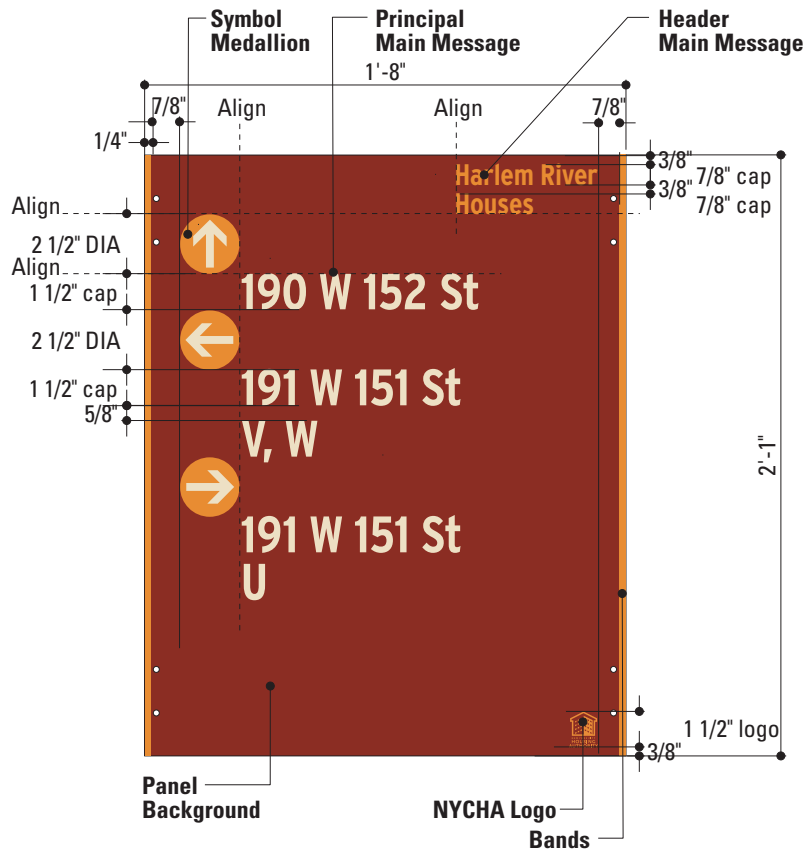
S/D/W/P/X

SIGN TYPE B1.3
Typical Elevation
1/2" = 1'-0" scale

SIGN TYPE B1.3
PAGE 3.27

3.28 SIGN TYPE B1.3

THE SIGN SYSTEM



B1.3

Primary Directional - Large

Graphic Layout Details

Header Main Message:

- Shown (Development Name)
Interstate Bold Condensed / Upper & lower case / Flush left / Secondary color

Symbol Medallion:

- Shown (arrow)
Tertiary color / Symbol background - Secondary color

Principal Main Message:

- Shown (street address)
Interstate Bold Condensed / Upper & lower case / Flush left / Tertiary color

Panel (Background)

- Primary color

Bands:

- Secondary color

NYCHA Logo:

- Secondary color

3.29 SIGN TYPE B1.4

THE SIGN SYSTEM

B1.4

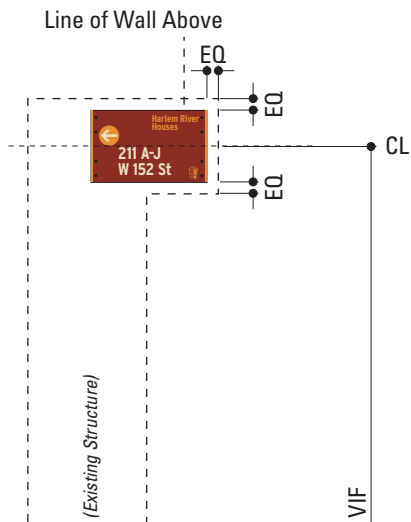
Pedestrian Directional -
Site Specific

Installation Elevation

The sign shown was developed for a specific and unique architectural context at Harlem River Houses. It is an example of how in response to site-specific conditions, design consultants should make intelligent adjustments to the established sign types. This type sign should not be used under ordinary circumstances, but is available if appropriate for a specific and atypical condition.

This sign shown was mounted on an existing concrete overhead projecting panel. Final sign dimensions to be determined by site-specific needs.

Development name is always shown as Header
Main Message.



WALL / SURFACE MOUNTED INSTALLATION

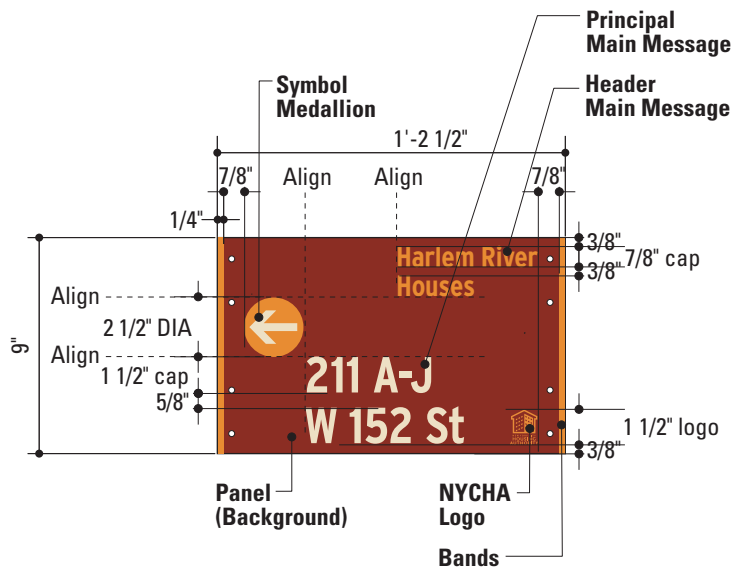
SIGN TYPE B1.4
Typical Elevation
1/2" = 1'-0" scale

S/W/X

SIGN TYPE B1.4
PAGE 3.29

3.30 SIGN TYPE B1.4

THE SIGN SYSTEM



B1.4

Pedestrian Directional -
Site Specific

Graphic Layout Detail

These dimensions and layouts can be adjusted to conform to special site requirements.

Header Main Message:

- Shown (Development Name)
Interstate Bold Condensed / Upper & lower case / Flush left / Secondary color

Symbol Medallion:

- Shown (arrow)
Tertiary color / Symbol background - Secondary color

Principal Main Message:

- Shown (street address)
Interstate Bold Condensed / Upper & lower case / Flush left / Tertiary color

Panel (Background)

- Primary color

Bands:

- Secondary color

NYCHA Logo:

- Secondary color

3.31 SIGN TYPE B2.1

THE SIGN SYSTEM

B2.1

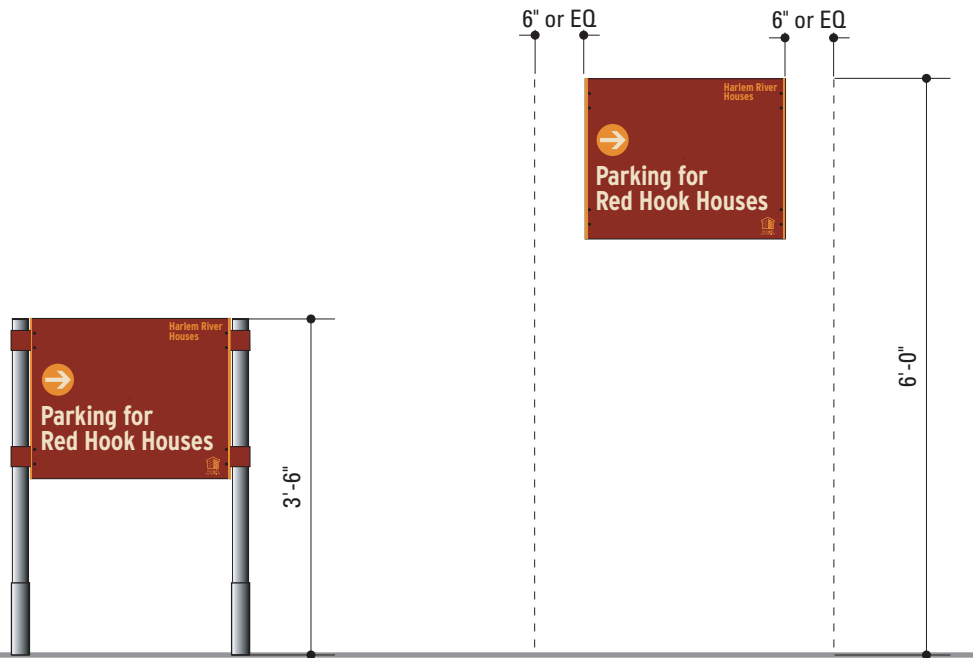
Parking Directional - Small

Installation Elevation

These signs provide vehicular wayfinding to NYCHA parking facilities. They can be either post-mounted or wall-mounted and are placed to be seen by incoming drivers. If needed, special mounting conditions may be adapted.

Development name is always shown as Header Main Message.

For wall-mounted applications, this sign will typically be located at a building corner wall. For columns or appropriate wall conditions, the sign can also be centered.



POST-MOUNTED INSTALLATION

WALL / SURFACE MOUNTED INSTALLATION

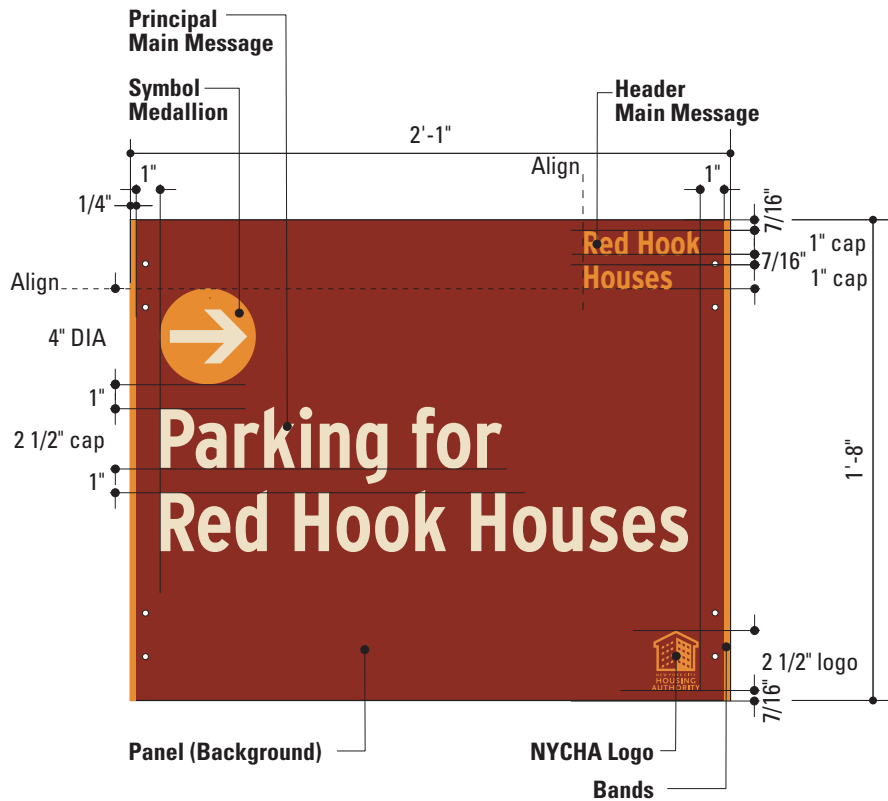
S/D/W/P/X

SIGN TYPE B2.1
Typical Elevation
1/2" = 1'-0" scale

SIGN TYPE B2.1
PAGE 3.31

3.32 SIGN TYPE B2.1

THE SIGN SYSTEM



B2.1

Parking Directional - Small

Graphic Layout Detail

Header Main Message:

- Shown (Development Name)
Interstate Bold Condensed / Upper & lower case / Flush left / Secondary color

Symbol Medallion:

- Shown (arrow)
Tertiary color / Symbol background - Secondary color

Principal Main Message:

- Shown "Parking for Red Hook Houses"
Interstate Bold Condensed / Upper & lower case / Flush left / Tertiary color

Panel (Background)

- Primary color

Bands:

- Secondary color

NYCHA Logo:

- Secondary color

3.33 SIGN TYPE B2.2

THE SIGN SYSTEM

B2.2

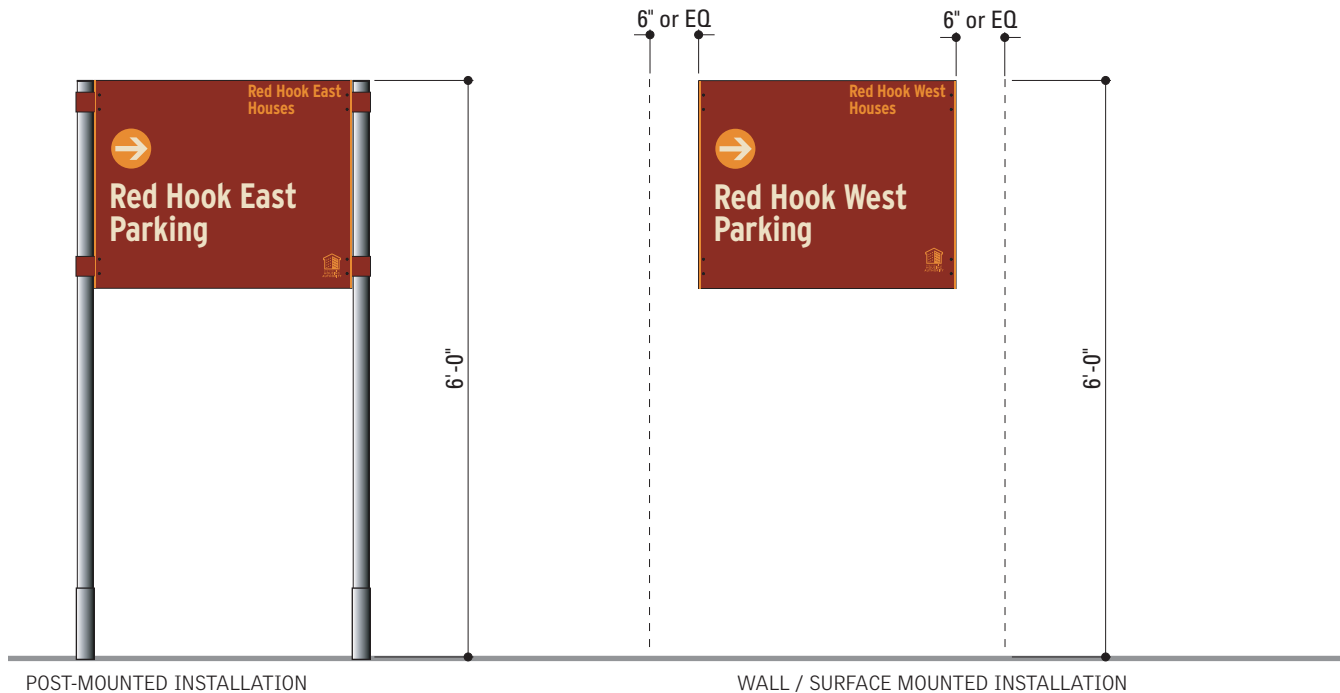
Parking Directional - Large

Installation Elevation

These signs provide vehicular wayfinding to NYCHA parking facilities. They can be either post-mounted or wall-mounted and are placed to be seen by incoming drivers. If needed, special mounting conditions may be adapted.

Development name is always shown as Header Main Message.

For wall-mounted applications, this sign will typically be located at a building corner wall. For columns or appropriate wall conditions, the sign can also be centered.



POST-MOUNTED INSTALLATION

WALL / SURFACE MOUNTED INSTALLATION

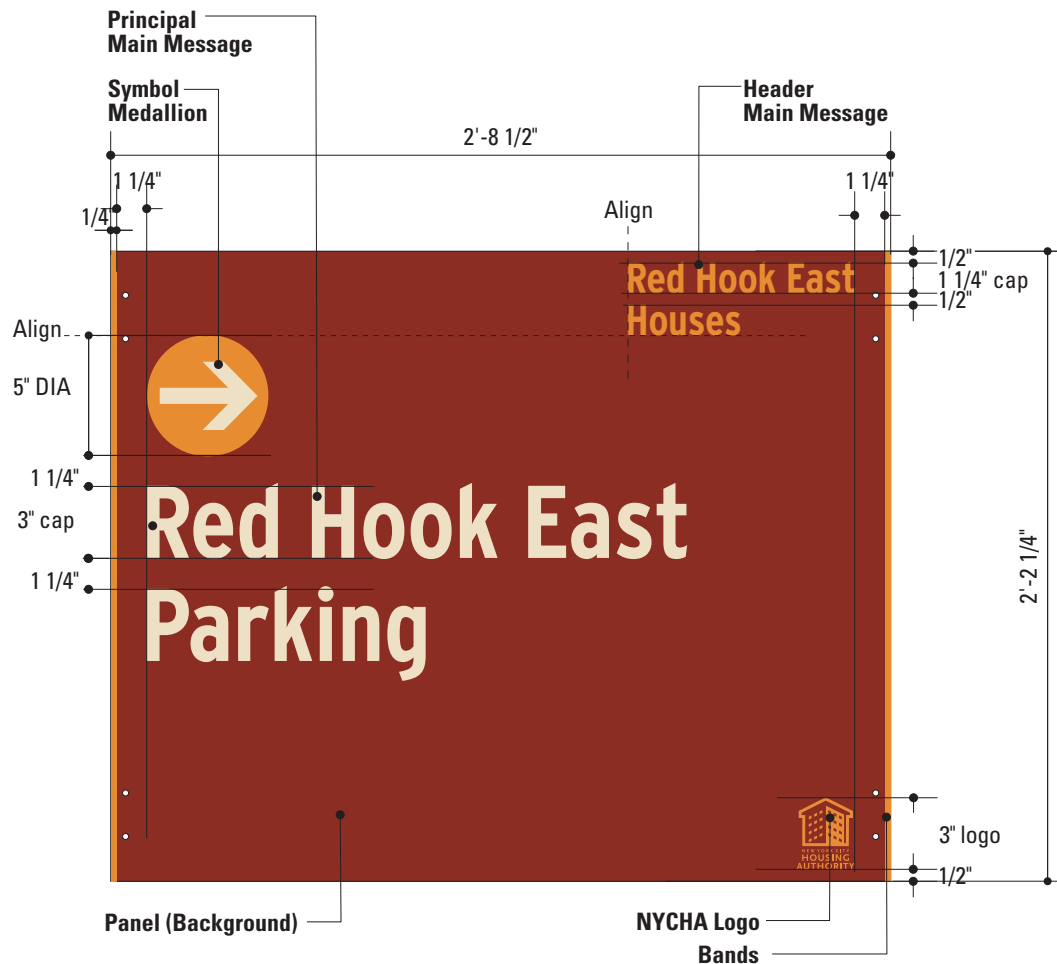
S/D/W/P/X

SIGN TYPE B2.2
Typical Elevation
1/2" = 1'-0" scale

SIGN TYPE B2.2
PAGE 3.33

3.34 SIGN TYPE B2.2

THE SIGN SYSTEM



B2.2

Parking Directional - Large

Graphic Layout Detail

Header Main Message:

- Shown (Development Name)
Interstate Bold Condensed / Upper & lower case / Flush left / Secondary color

Symbol Medallion:

- Shown (arrow)
Tertiary color / Symbol background - Secondary color

Principal Main Message:

- Shown "Red Hook East Parking"
Interstate Bold Condensed / Upper & lower case / Flush left / Tertiary color

Panel (Background)

- Primary color

Bands:

- Secondary color

NYCHA Logo:

- Secondary color

3.35 SIGN TYPE B3.1

THE SIGN SYSTEM

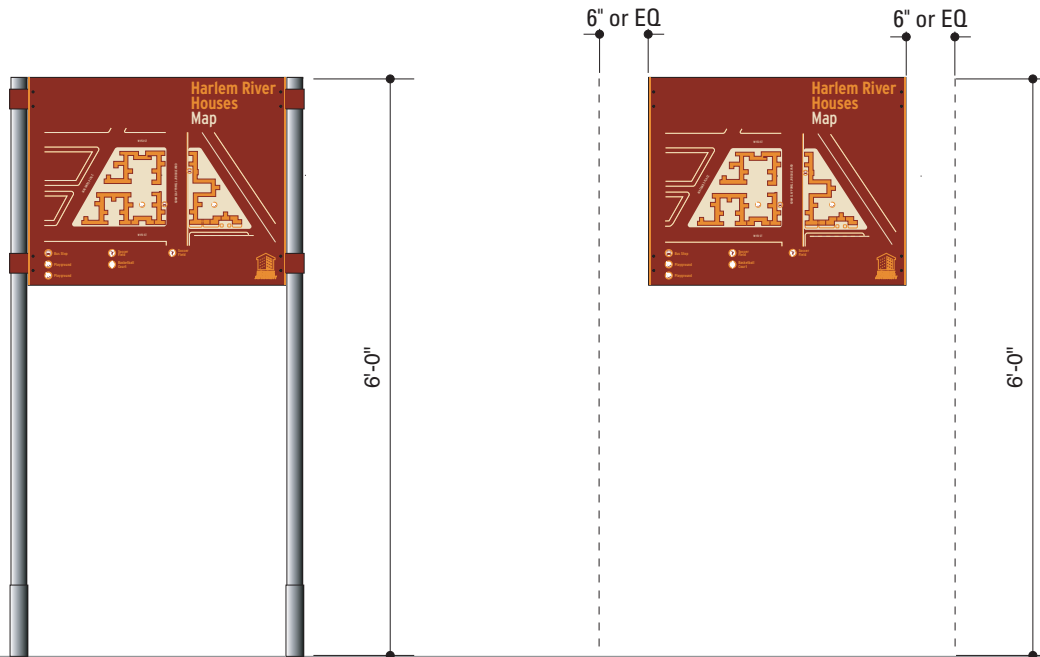
B3.1

Orientation Map - Small

This orientation map corresponds in size to an A1.1 sign. This sign can be installed as single- or double-panel and either wall- or post-mounted. It can be used in coordinated placement with an A1.1 sign as well as independently. Map illustration must always follow graphic style guidelines established elsewhere in this manual. If needed, special mounting conditions may be adapted.

Development name and building numbers are always shown as Header Message.

For wall-mounted applications, this sign will typically be located at a building corner wall. For columns or appropriate wall conditions, the sign can also be centered.



POST-MOUNTED INSTALLATION

WALL / SURFACE MOUNTED INSTALLATION

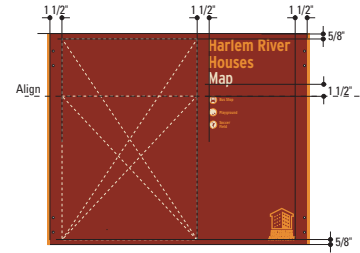
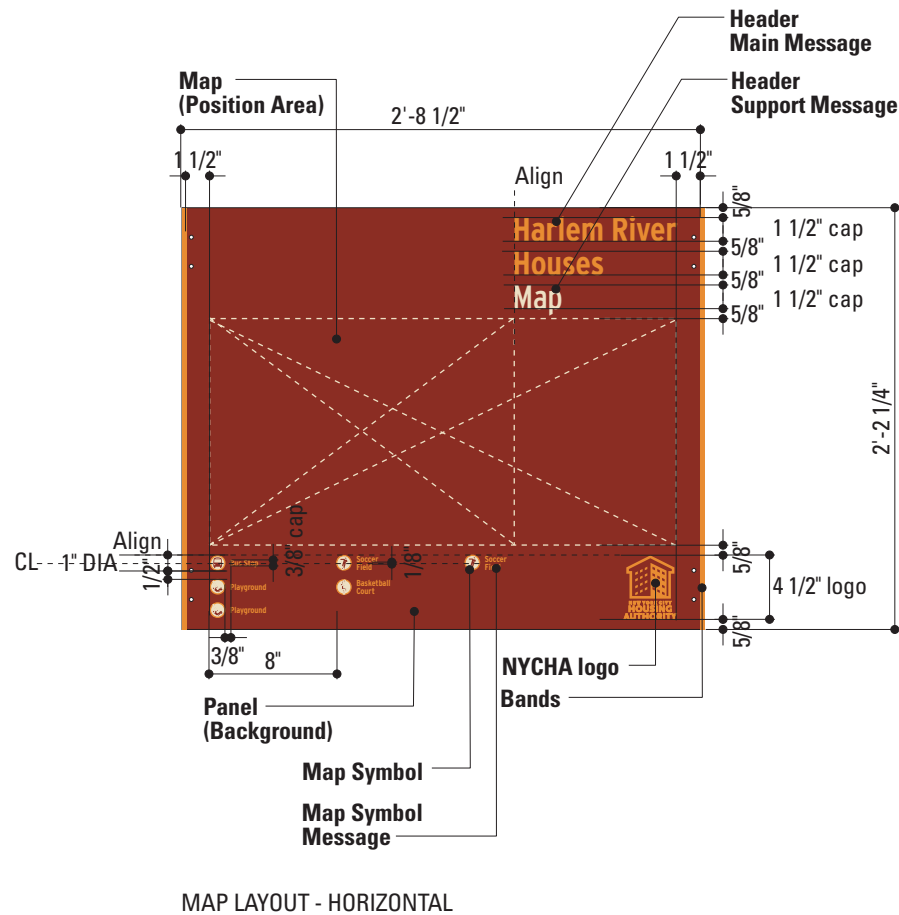
S/D/W/P/X

SIGN TYPE B3.1
Typical Elevation
1/2" = 1'-0" scale

SIGN TYPE B3.1
PAGE 3.35

3.36 SIGN TYPE B3.1

THE SIGN SYSTEM



MAP LAYOUT - VERTICAL
(SHOWN AT REDUCED SCALE 50%)

B3.1

Orientation Map - Small

Graphic Layout Detail

Header Main Message:

- Shown (Development Name)
Interstate Bold Condensed / Upper & lower case / Flush left / Secondary color

Header Support Message:

- Shown "Map"
Interstate Regular Condensed / Upper & lower case / Tertiary color

Map:

- Refer to page 2.10

Map Symbols:

- Refer to page 2.9

Map Symbol Message:

- Shown "Bus Stop, Playground..."
Interstate Regular Condensed / Upper & lower case / Flush left / Secondary color

Panel (Background)

- Primary color

Bands:

- Secondary color

NYCHA Logo:

- Secondary color

3.37 SIGN TYPE B3.2

THE SIGN SYSTEM

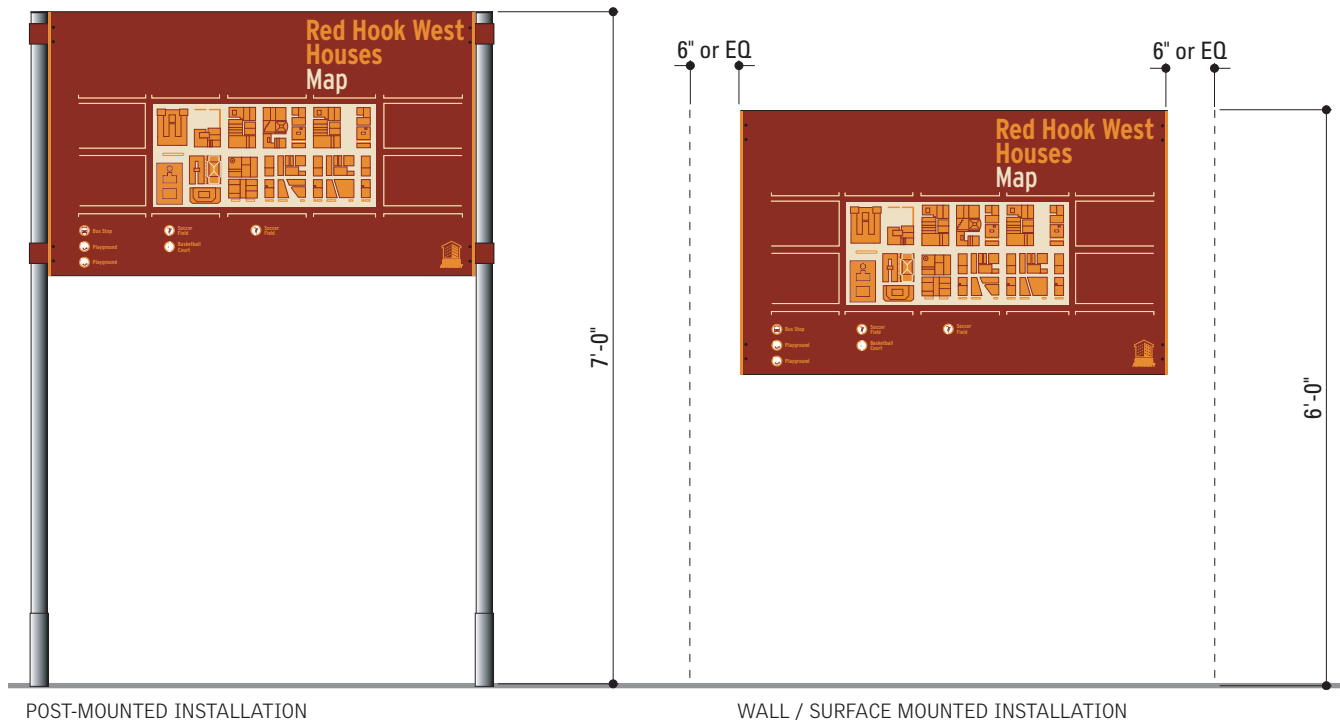
B3.2

Orientation Map - Large

This is the largest site map in the system and identical in size to an A1.2 sign. This sign can be installed as single- or double-panel and either wall- or post-mounted. It can be used in coordinated placement with an A1.2 sign as well as independently. Map illustration must always follow graphic style guidelines established elsewhere in this manual. If needed, special mounting conditions may be adapted.

Development name is always shown as Main Header Main Message.

For wall-mounted applications, this sign will typically be located at a building corner wall. For columns or appropriate wall conditions, the sign can also be centered.



POST-MOUNTED INSTALLATION

WALL / SURFACE MOUNTED INSTALLATION

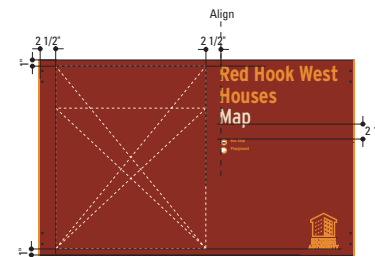
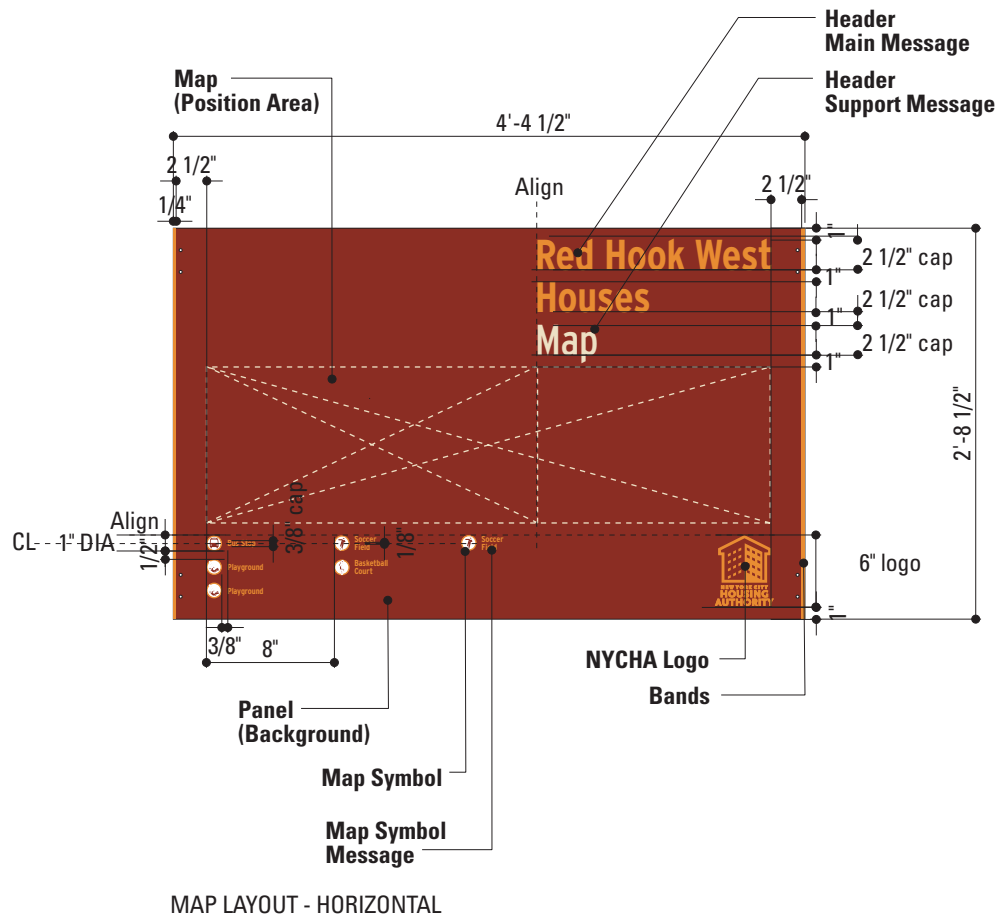
S/D/W/P/X

SIGN TYPE B3.2
Typical Elevation
1/2" = 1'-0" scale

SIGN TYPE B3.2
PAGE 3.37

3.38 SIGN TYPE B3.2

THE SIGN SYSTEM



B3.2

Orientation Map - Large

Graphic Layout Detail

Header Main Message:

- Shown (Development Name)
Interstate Bold Condensed / Upper & lower case / Flush left / Secondary color

Header Support Message:

- Shown "Map"
Interstate Regular Condensed / Upper & lower case / Tertiary color

Map:

- Refer to page 2.10

Map Symbols:

- Refer to page 2.9

Map Symbol Message:

- Shown "Bus Stop, Playground..."
Interstate Regular Condensed / Upper & lower case / Flush left / Secondary color

Panel (Background)

- Primary color

Bands:

- Secondary color

NYCHA Logo:

- Secondary color

3.39 SIGN TYPE B3.3

THE SIGN SYSTEM

B3.3

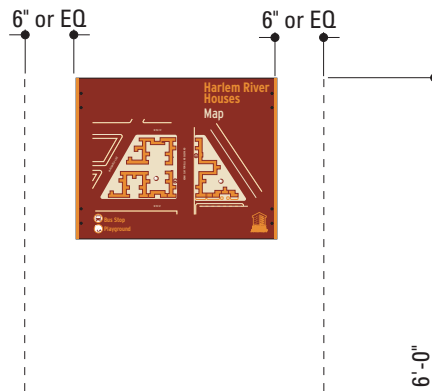
Orientation Map - Site Specific

Installation Elevation

This sign is used when a site-specific site map is needed. As with A1.3, this sign is never post-mounted. If needed, special mounting conditions may be adapted. Map illustration must always follow graphic style guidelines established elsewhere in this manual.

Development name is always shown as Main Header Main Message.

This sign will typically be located at a building corner wall. For columns or appropriate wall conditions, the sign can also be centered.



WALL / SURFACE MOUNTED INSTALLATION

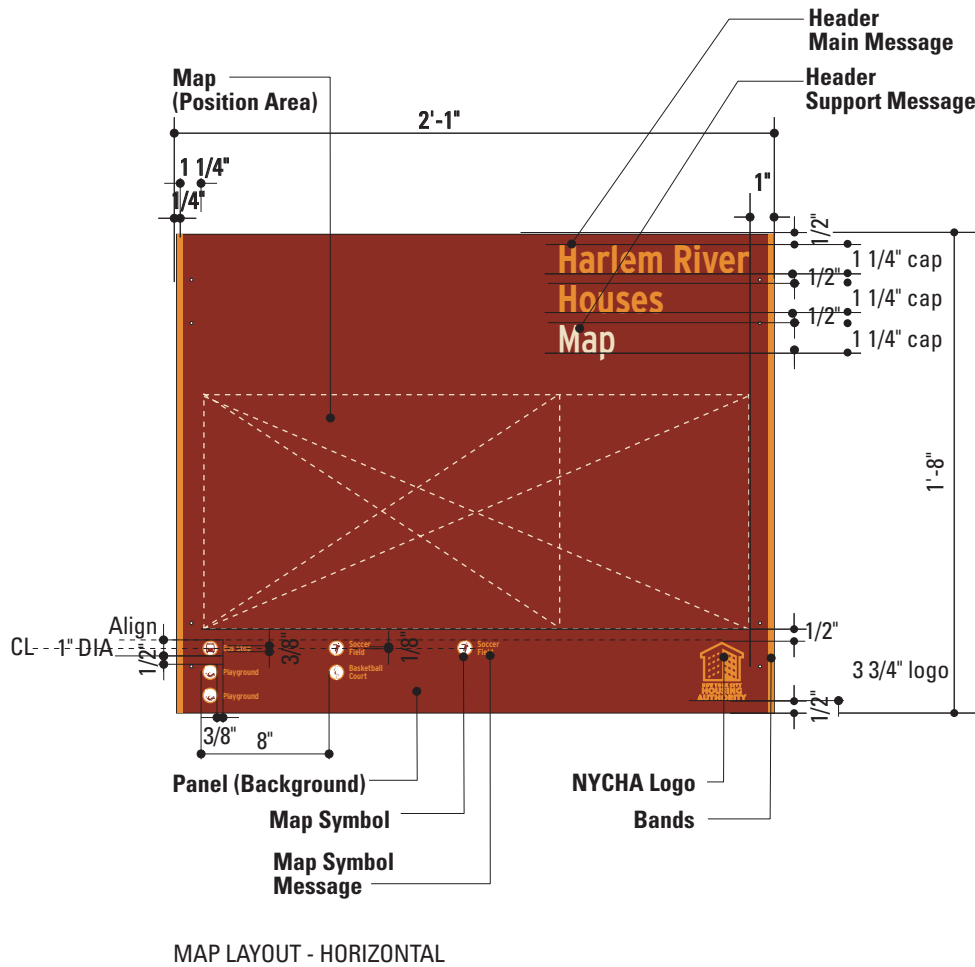
SIGN TYPE B3.3
Typical Elevation
1/2" = 1'-0" scale

S/W/X

SIGN TYPE B3.3
PAGE 3.39

3.40 SIGN TYPE B3.3

THE SIGN SYSTEM



B3.3

Orientation Map - Site Specific

Graphic Layout Detail

These dimensions and layouts can be adjusted to conform to special site requirements.

Header Main Message:

- Shown (Development Name)
Interstate Bold Condensed / Upper & lower case / Flush left / Secondary color

Header Support Message:

- Shown "Map"
Interstate Regular Condensed / Upper & lower case / Flush left / Tertiary color

Map:

- Refer to page 2.10

Map Symbol:

- Refer to page 2.9

Map Symbol Message:

- Shown "Bus Stop, Playground..."
Interstate Regular Condensed / Upper & lower case / Flush left / Secondary color

Panel (Background)

- Primary color

Bands:

- Secondary color

NYCHA Logo:

- Secondary color

3.41 SIGN TYPE C1.1

THE SIGN SYSTEM

C1.1

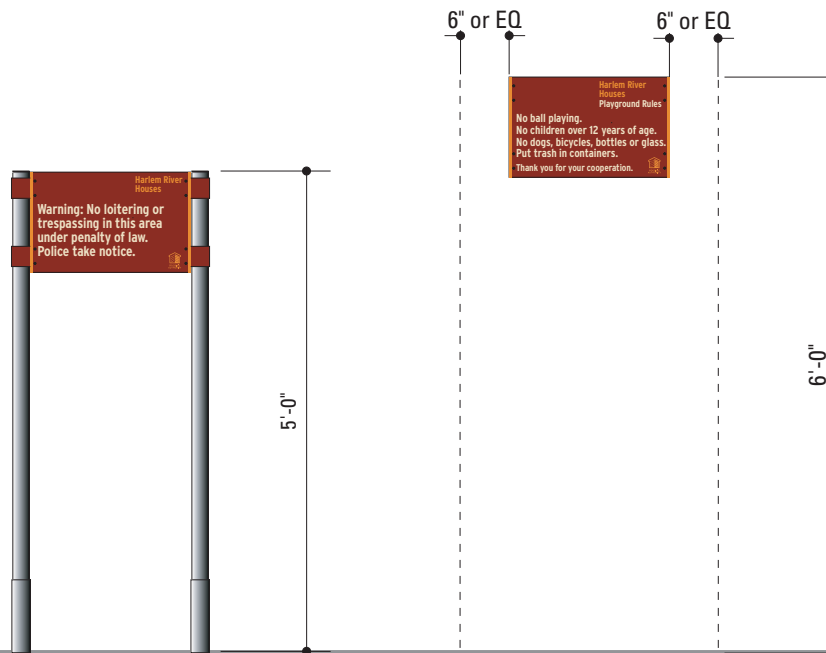
Development Regulatory - Small

Installation Elevation

The C1.1 sign communicates general rules and regulations of respective development. This is the preferred sign panel size for minimum text. The sign can be installed as single- or double-panel, wall-mount or post-mounted. Adapt mounting as needed to unique or special conditions (i.e.: railing, fence, etc.) appropriate to individual sites.

Development name is always shown as Header Main Message.

For wall-mounted applications, this sign will typically be located at a building corner wall. For columns or appropriate wall conditions, the sign can also be centered.



POST-MOUNTED INSTALLATION

WALL / SURFACE MOUNTED INSTALLATION

S/W/P/X

SIGN TYPE C1.1
Typical Elevation
1/2" = 1'-0" scale

SIGN TYPE C1.1
PAGE 3.41

3.42 SIGN TYPE C1.1

THE SIGN SYSTEM



SMALL LETTER SIZE LAYOUT



LARGE LETTER SIZE LAYOUT

C1.1

Development Regulatory - Small

Graphic Layout Details

Header Main Message:

- Shown (Development Name)
Interstate Bold Condensed / Upper & lower case / Flush left / Secondary color

Header Support Message:

- Shown (Content Title)
Interstate Regular Condensed / Upper & lower case / Flush left / Tertiary color

Principal Main Message:

- Shown "No ball playing..."
Interstate Bold Condensed / Upper & lower case / Flush left / Tertiary color

Principal Support Message:

- Shown "Thank you..."
Interstate Regular Condensed / All caps / Flush left / Tertiary color

Panel (Background)

- Primary color

Bands:

- Secondary color

NYCHA Logo:

- Secondary color

3.43 SIGN TYPE C1.2

THE SIGN SYSTEM

C1.2

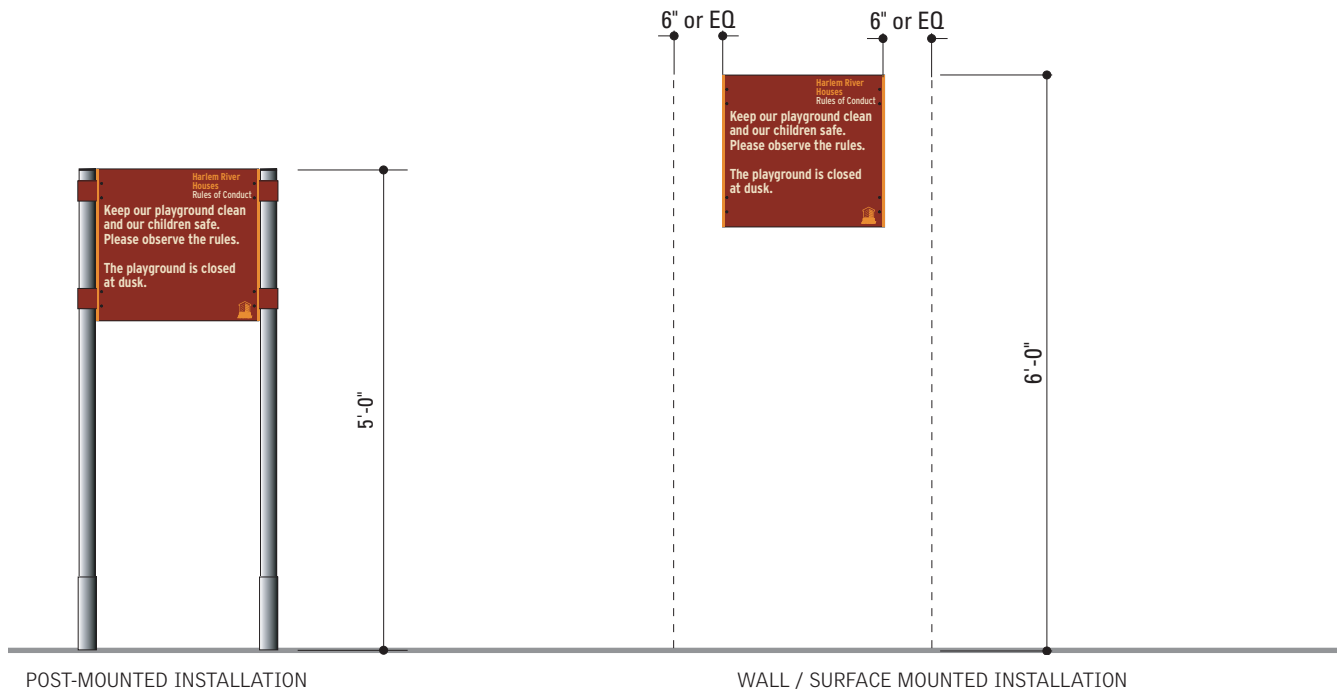
Development Regulatory - Medium

Installation Elevation

A C1.2 sign should be used if the text message is of medium length. The sign can be installed as single- or double-panel, wall-mount or post-mounted. Adapt mounting as needed to unique or special conditions (i.e.: railing, fence, etc.) appropriate to individual sites.

Development name is always shown as Header Main Message.

For wall-mounted applications, this sign will typically be located at a building corner wall. For columns or appropriate wall conditions, the sign can also be centered.



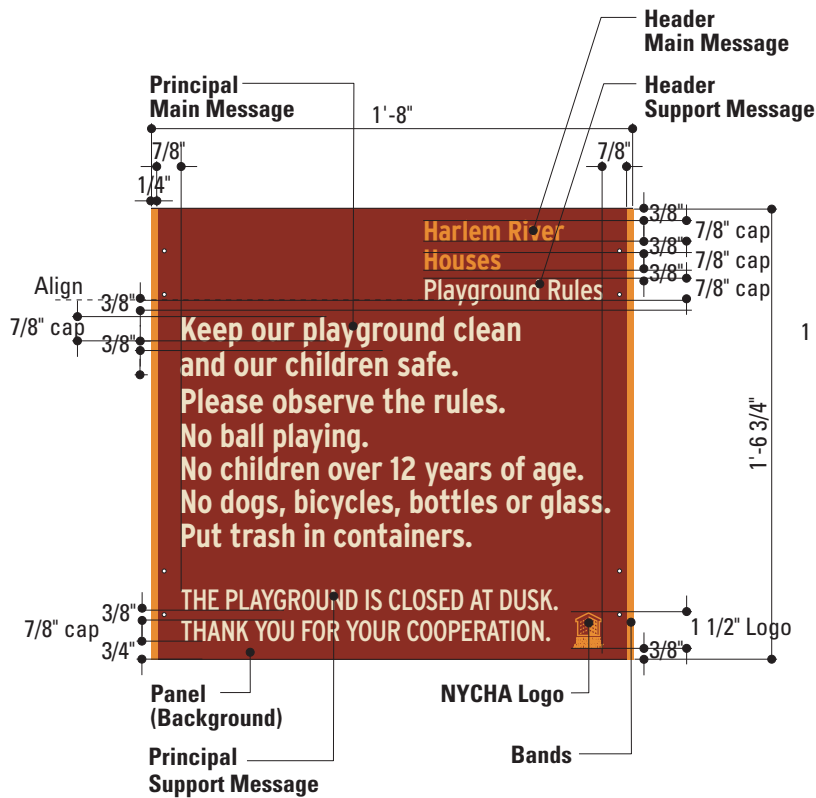
SIGN TYPE C1.2
Typical Elevation
1/2" = 1'-0" scale

S/W/P/X

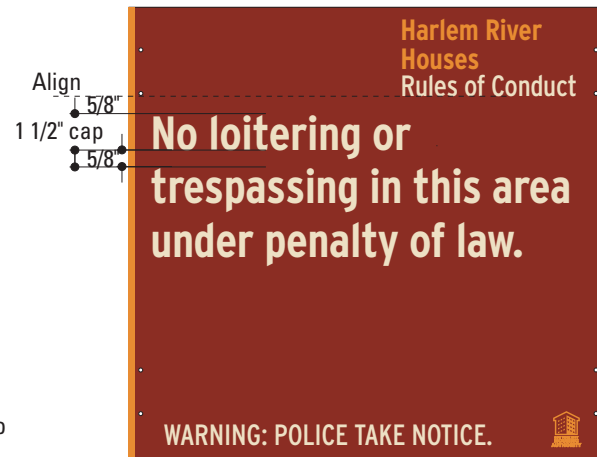
SIGN TYPE C1.2
PAGE 3.43

3.44 SIGN TYPE C1.2

THE SIGN SYSTEM



SMALL LETTER SIZE LAYOUT



LARGE LETTER SIZE LAYOUT

C1.2

Development Regulatory - Medium

Graphic Layout Details

Header Main Message:

- Shown (Development Name)
Interstate Bold Condensed / Upper & lower case / Flush left / Secondary color

Header Support Message:

- Shown (Content Title)
Interstate Regular Condensed / Upper & lower case / Flush left / Tertiary color

Principal Main Message:

- Shown "Keep our playground clean..."
Interstate Bold Condensed / Upper & lower case / Flush left / Tertiary color

Principal Support Message:

- Shown "The Playground is closed..."
Interstate Regular Condensed / All caps / Flush left / Tertiary color

Panel (Background)

- Primary color

Bands:

- Secondary color

NYCHA Logo:

- Secondary color

3.45 SIGN TYPE C1.3

THE SIGN SYSTEM

C1.3

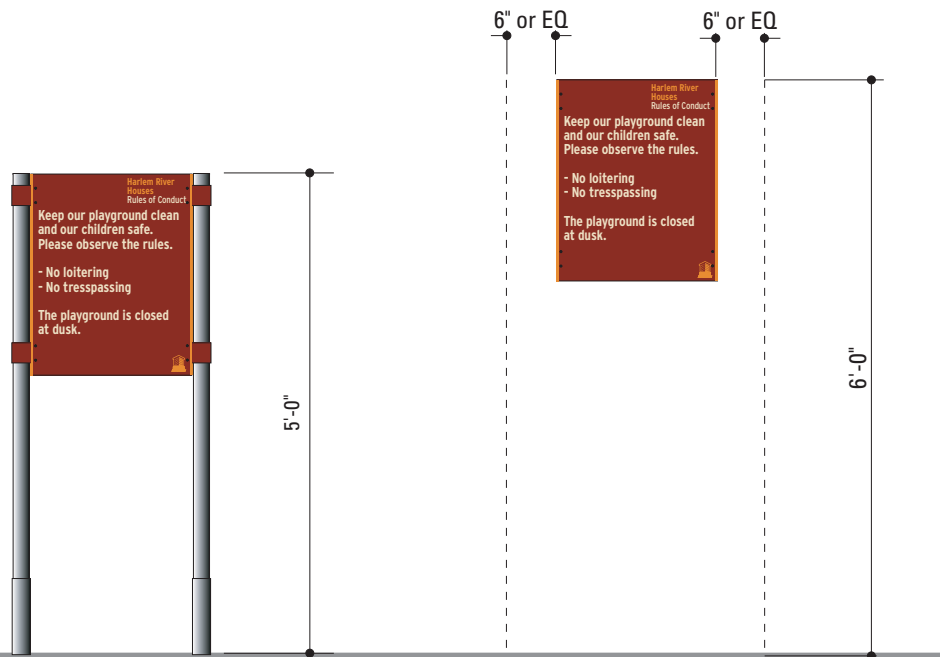
Development Regulatory - Large

Installation Elevation

A C1.3 sign should be used if the text message is lengthy. The sign can be installed as single- or double-panel, wall-mount or post-mounted. Adapt mounting as needed to unique or special conditions (i.e.: railing, fence, etc.) appropriate to individual sites.

Development name is always shown as Header Main Message.

For wall-mounted applications, this sign will typically be located at a building corner wall. For columns or appropriate wall conditions, the sign can also be centered.



POST-MOUNTED INSTALLATION

WALL / SURFACE MOUNTED INSTALLATION

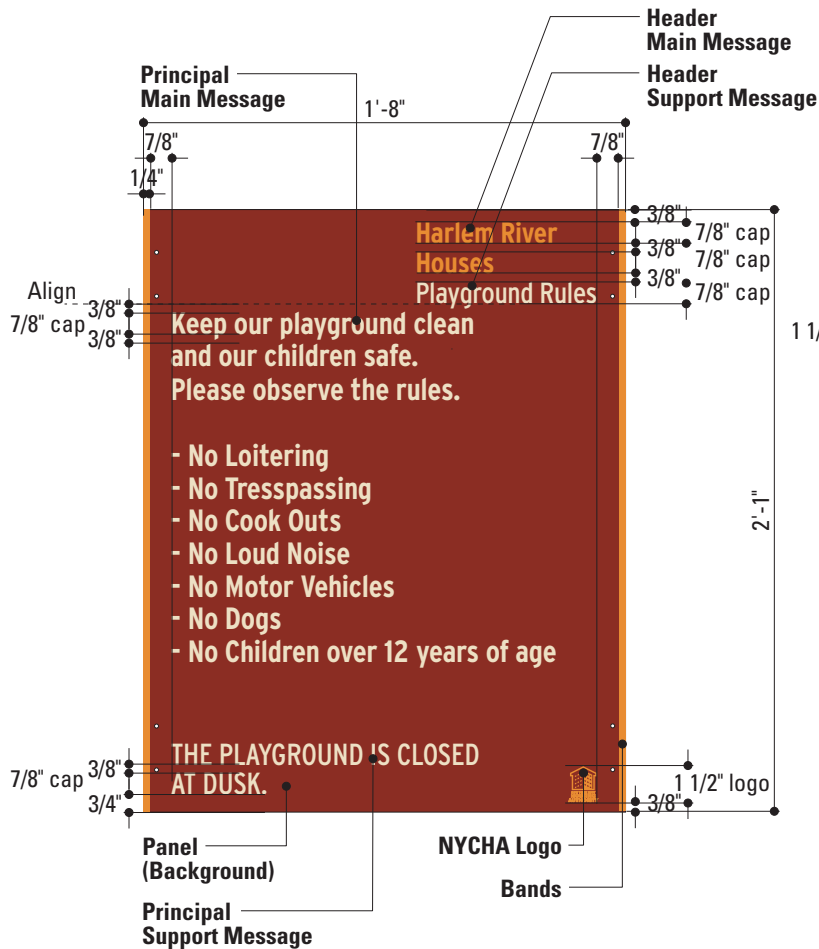
S/W/P/X

SIGN TYPE C1.3
Typical Elevation
1/2" = 1'-0" scale

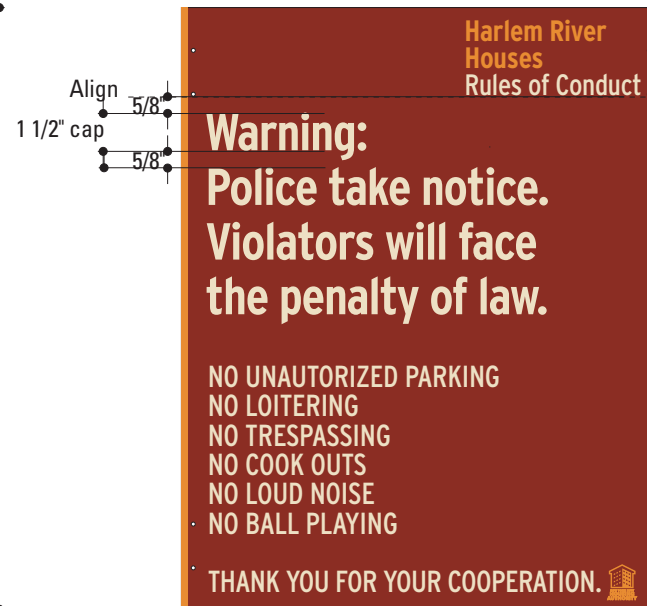
SIGN TYPE C1.3
PAGE 3.45

3.46 SIGN TYPE C1.3

THE SIGN SYSTEM



SMALL LETTER SIZE LAYOUT



LARGE LETTER SIZE LAYOUT

C1.3

Development Regulatory - Large

Graphic Layout Details

Header Main Message:

- Shown (Development Name) Interstate Bold Condensed / Upper & lower case / Flush left / Secondary color

Header Support Message:

- Shown (Content Title) Interstate Regular Condensed / Upper & lower case / Flush left / Tertiary color

Principal Main Message:

- Shown "Keep our playground clean..." Interstate Bold Condensed / Upper & lower case / Flush left / Tertiary color

Principal Support Message:

- Shown "The playground is closed..." Interstate Regular Condensed / All caps / Flush left / Tertiary color

Panel (Background)

- Primary color

Bands:

- Secondary color

NYCHA Logo:

- Secondary color

3.47 SIGN TYPE C1.4

THE SIGN SYSTEM

C1.4

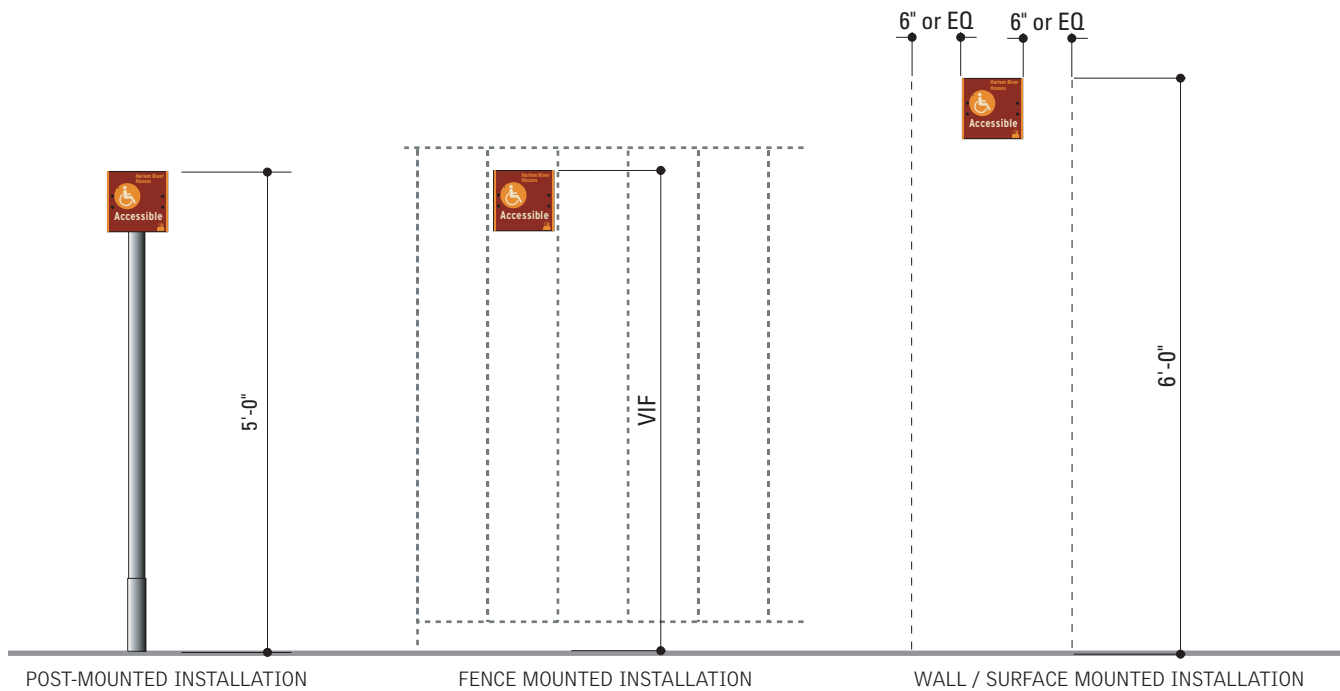
Regulatory Marker

Installation Elevation

These single post-mounted or wall/surface mounted signs identify ADA accessible ramps and entrances or can be used for other small amenities such as a water fountain. If needed, special mounting conditions may be adapted.

Development name is always shown as Header
Main Message.

For wall-mounted applications, this sign will typically be located at a building corner wall. For columns or appropriate wall conditions, the sign can also be centered.



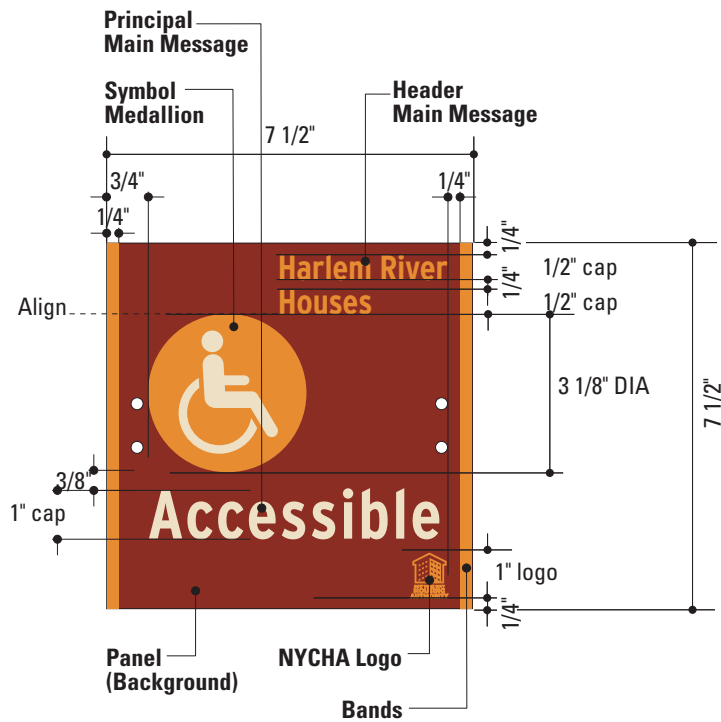
SIGN TYPE C1.4
Typical Elevation
1/2" = 1'-0" scale

S/W/P/X

SIGN TYPE C1.4
PAGE 3.47

3.48 SIGN TYPE C1.4

THE SIGN SYSTEM



C1.4

Ramp Identification

Graphic Layout Detail

Header Main Message:

- Shown (Development Name)
Interstate Bold Condensed / Upper & lower case / Flush left / Secondary color

Message Medallion:

- Shown (Handicap)
Tertiary color / Symbol background/
Secondary color

Principal Main Message:

- Shown "Accessible"
Interstate Bold Condensed / Upper & lower case / Flush left / Tertiary color

Panel (Background)

- Primary color

Bands:

- Secondary color

NYCHA Logo:

- Secondary color

Note: Atypical fastener hole locations.

3.49 SIGN TYPE C2.1

THE SIGN SYSTEM

C2.1

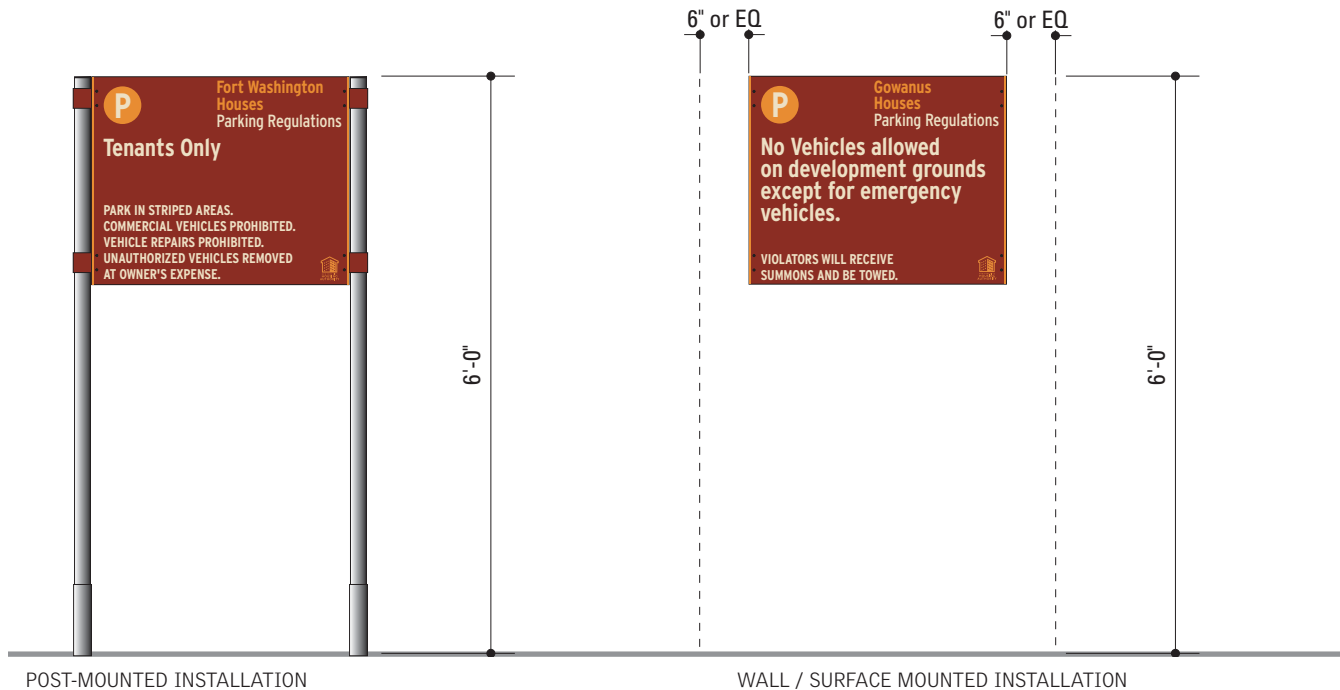
Parking Regulations

Installation Elevation

Regulations for parking at NYCHA developments are displayed on C2.1 signs. These signs can be post-mounted or wall-mounted and are placed at entrances to, and within parking facilities. If needed, special mounting conditions may be adapted.

Development name is always shown as Header Main Message.

For wall-mounted applications, this sign will typically be located at a building corner wall. For columns or appropriate wall conditions, the sign can also be centered.



POST-MOUNTED INSTALLATION

WALL / SURFACE MOUNTED INSTALLATION

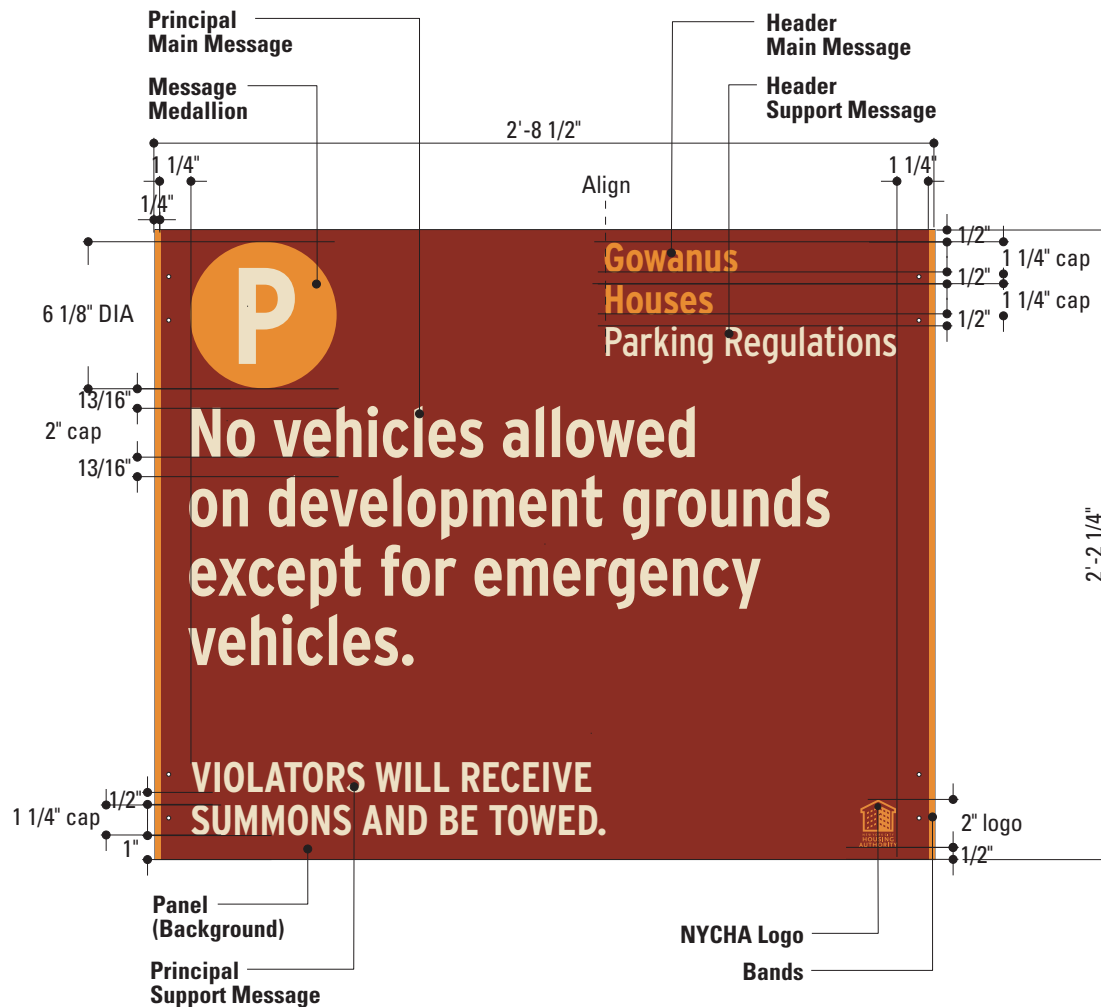
S/D/W/P/X

SIGN TYPE C2.1
Typical Elevation
1/2" = 1'-0" scale

SIGN TYPE C2.1
PAGE 3.49

3.50 SIGN TYPE C2.1

THE SIGN SYSTEM



C2.1

Parking Regulations

Graphic Layout Detail

Header Main Message:

- Shown (Development Name)
Interstate Bold Condensed / Upper & lower case / Flush left / Secondary color

Header Support Message:

- Shown (Content Title)
Interstate Regular Condensed / Upper & lower case / Flush left / Tertiary color

Message Medallion:

- Shown (Parking) / Symbol - Tertiary color / Symbol background - Secondary color

Principal Main Message:

- Shown "No Vehicles..."
Interstate Bold Condensed / Upper & lower case / Flush left / Tertiary color

Principal Support Message:

- Shown "Violators..."
Interstate Bold Condensed / All Uppercase / Flush left / Tertiary color

Panel (Background)

- Primary color

Bands:

- Secondary color

NYCHA Logo:

- Secondary color

3.51 SIGN TYPE C2.2

THE SIGN SYSTEM

C2.2

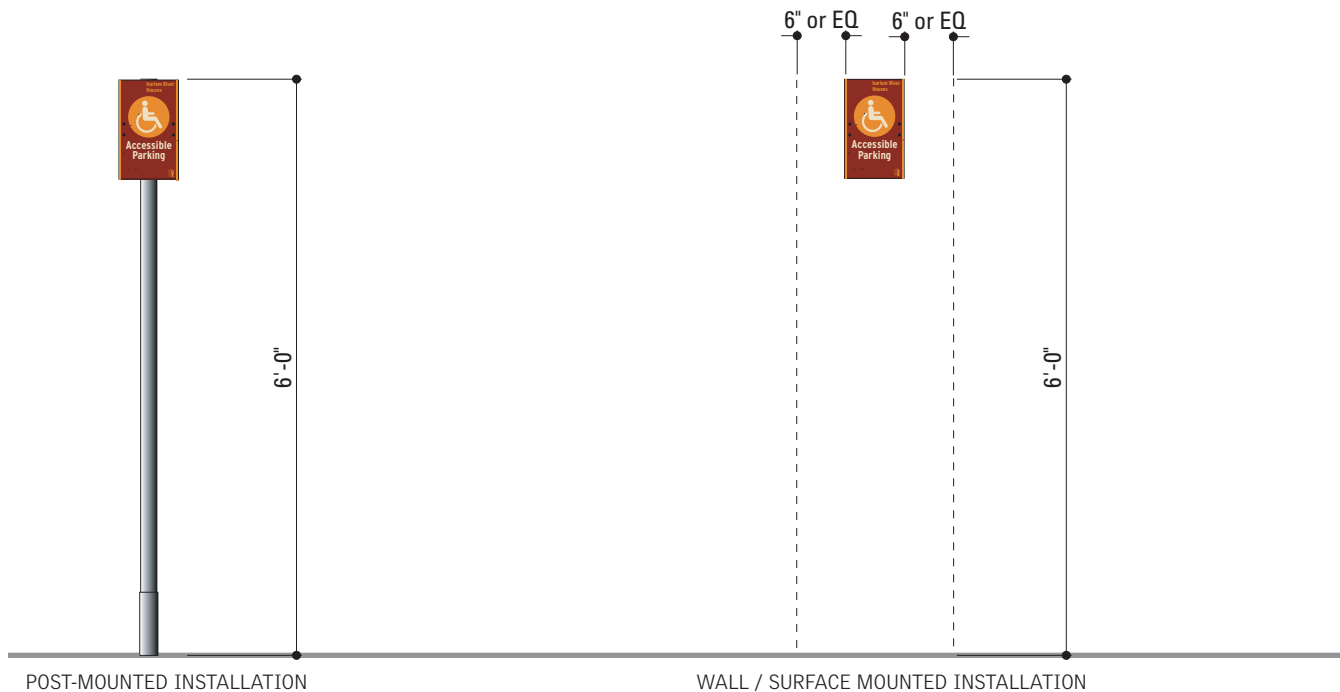
Parking Marker

Installation Elevation

Single post-mounted or wall-mounted, these signs identify various site specific parking regulations such as wheelchair accessible spaces and can be placed at parking spots reserved for those with handicap permits. If needed, special mounting conditions may be adapted.

Development name is always shown as Header Main Message.

For wall-mounted applications, this sign will typically be located at a building corner wall. For columns or appropriate wall conditions, the sign can also be centered.



SIGN TYPE C2.2
Typical Elevation
1/2" = 1'-0" scale

S/W/P/X

SIGN TYPE C2.2
PAGE 3.51

3.52 SIGN TYPE C2.2

THE SIGN SYSTEM



C2.2

Accessible Parking Sign

Graphic Layout Detail

Header Main Message:

- Shown (Development Name)
Interstate Bold Condensed / Upper & lower case / Flush left / Secondary color

Message Medallion:

- Shown (Handicap) / Symbol -
Tertiary color / Symbol background -
Secondary color

Principal Main Message:

- Shown "Accessible Parking"
Interstate Bold Condensed / Upper & lower case / Flush left / Tertiary color

Panel (Background)

- Primary color

Bands:

- Secondary color

NYCHA Logo:

- Secondary color

Note: Atypical fastener hole locations.

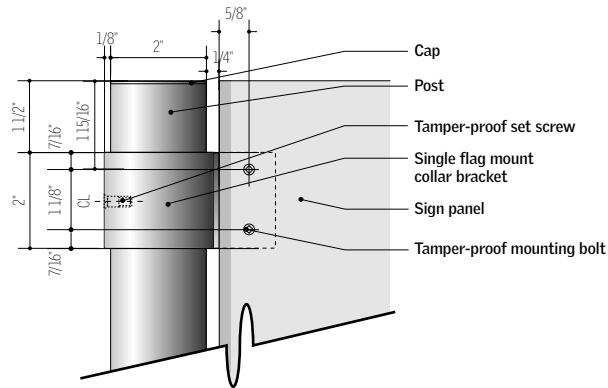
FABRICATION & SPECIFICATION

- 4.1 Double-Post Single-Flag Mount Details
- 4.2 Double-Post Double-Flag Mount Details
- 4.3 Single-Post Center Mount Details
- 4.4 Post/ Cap/ Base/ Footing Details
- 4.5 Wall Mount Details
- 4.6 Retail Storefront Details
- 4.7 Special Condition Mount Details
- 4.8-13 General Specifications - Section 10436
- 4.14 Signage Fabricators

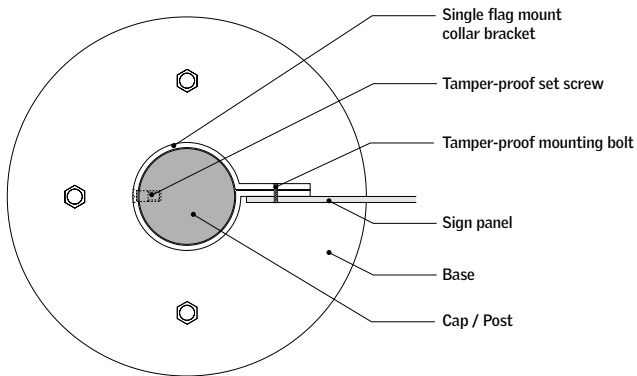
4.1 DETAILS

FABRICATION & SPECIFICATION

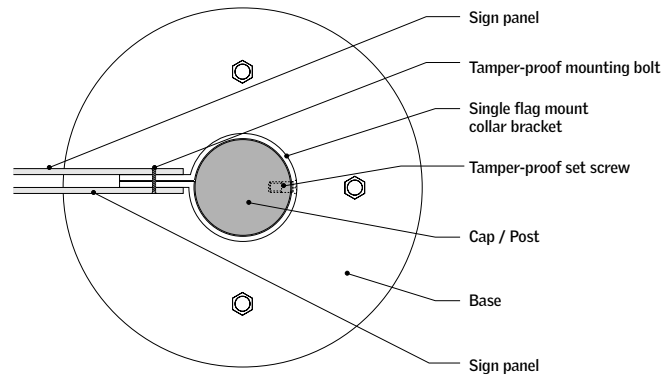
NOTE:
Fabricator to verify field conditions and recommend appropriate size and type of all fasteners for designers' approval prior to installation.



SINGLE-FLAG MOUNT COLLAR BRACKET
Partial Elevation Detail
3" = 1'-0" Scale



SINGLE-FLAG MOUNT COLLAR BRACKET
SINGLE-PANEL SIGN
Sectional Plan Detail
3" = 1'-0" Scale



SINGLE-FLAG MOUNT COLLAR BRACKET
DOUBLE-PANEL SIGN
Sectional Plan Detail
3" = 1'-0" Scale

Double-Post Single-Flag Mount Details

Materials and Fabrication

Single-Flag Mount Collar Bracket:

1/8" steel collar, painted to match panel background (Primary Color). Secured with a tamper-proof set screw.

Sign Panel:

Steel panel of at least 14 gauge or greater as necessary to provide required rigidity. All panel faces, front, back and edges, including sides, to be porcelain enamel finish.

Fasteners:

Set screws – Tamper-proof stainless steel, painted to match collar (Primary Color).

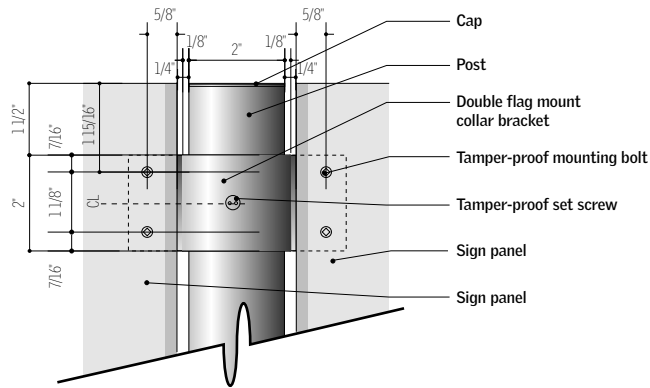
Mounting bolt – Tamper-proof stainless steel bolt painted to match panel (Primary Color).

For Post, Cap, Base, Footing details, Refer to page 4.4.

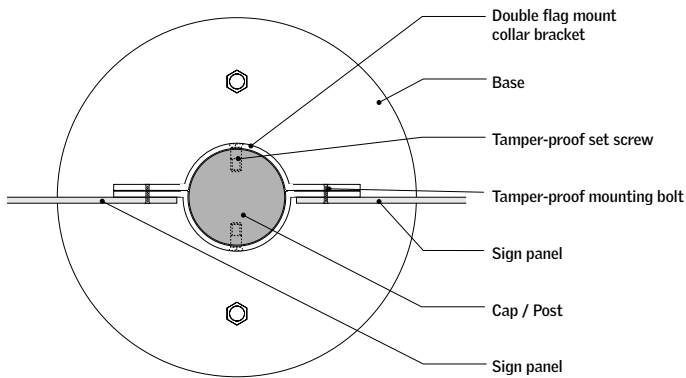
4.2 DETAILS

FABRICATION & SPECIFICATION

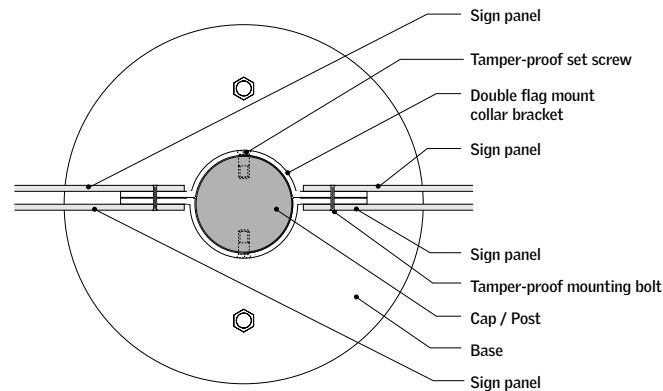
NOTE:
Fabricator to verify field conditions and recommend appropriate size and type of all fasteners for designers' approval prior to installation.



DOUBLE FLAG MOUNT COLLAR BRACKET
Partial Elevation Detail
3" = 1'-0" Scale



DOUBLE-FLAG MOUNT COLLAR BRACKET
SINGLE-PANEL SIGN
Sectional Plan Detail
3" = 1'-0" Scale



DOUBLE-FLAG MOUNT COLLAR BRACKET
DOUBLE-PANEL SIGN
Sectional Plan Detail
3" = 1'-0" Scale

Double-Post Double-Flag Mount Details

Materials and Fabrication

Double-Flag Mount Collar Bracket:
1/8" steel collar, painted to match panel background (Primary Color). Secured with a tamper-proof set screw.

Sign Panel:
Steel panel of at least 14 gauge or greater as necessary to provide required rigidity. All panel faces, front, back and edges, including sides, to be porcelain enamel finish.

Fasteners:
Set screws – Tamper-proof stainless steel, painted to match collar (Primary Color).
Mounting bolt – Tamper-proof stainless steel bolt painted to match panel (Primary Color).

For Post, Cap, Base, Footing details, Refer to page 4.4.

4.3 DETAILS

FABRICATION & SPECIFICATION

NOTE:
Fabricator to verify field conditions
and recommend appropriate size and
type of all fasteners for designers'
approval prior to installation.

Single-Post Center Mount
Details

Materials and Fabrication

Center Mount Collar Bracket:

1/8" steel collar, painted to match panel
background (Primary Color). Secured with a
tamper-proof set screw to a post. The width of
the collar bracket shall be 1/2" shorter than
front sign panel and center-mount horizontally
and vertically to sign panel.

Sign Panel:

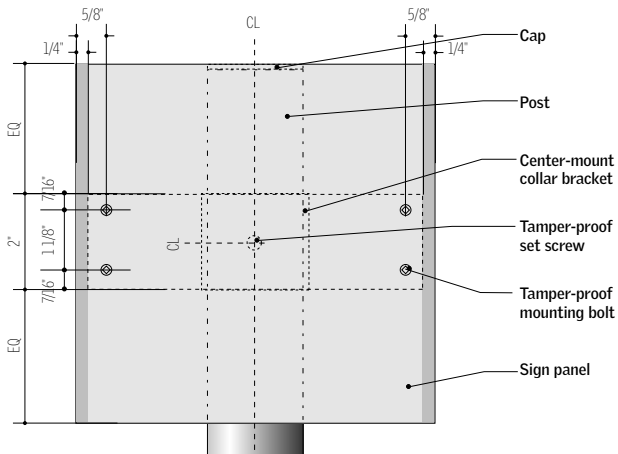
Steel panel of at least 14 gauge or greater as
necessary to provide required rigidity. All panel
faces, front, back and edges, including sides, to
be porcelain enamel finish.

Fasteners:

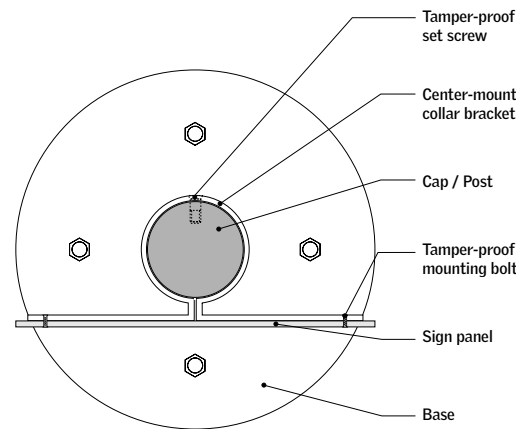
Set screws – Tamper-proof stainless steel,
painted to match collar (Primary Color).

Mounting bolt – Tamper-proof stainless steel
bolt painted to match panel (Primary Color).

For Post, Cap, Base, Footing details,
Refer to page 4.4.



CENTER MOUNT COLLAR BRACKET
Partial Elevation Detail
3" = 1'-0" Scale

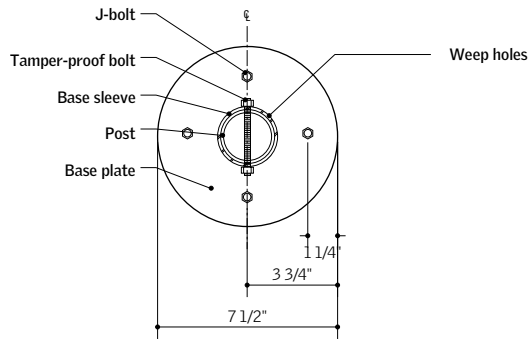


CENTER MOUNT COLLAR BRACKET
Sectional Plan Detail
3" = 1'-0" Scale

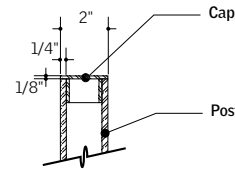
4.4 DETAILS

FABRICATION & SPECIFICATION

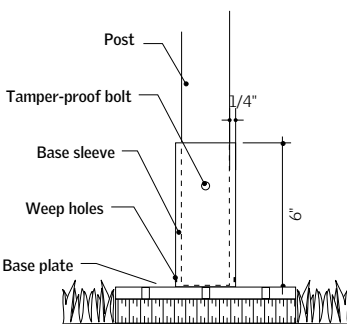
NOTE:
Fabricator to verify field conditions and recommend appropriate size and type of all fasteners for designers' approval prior to installation.



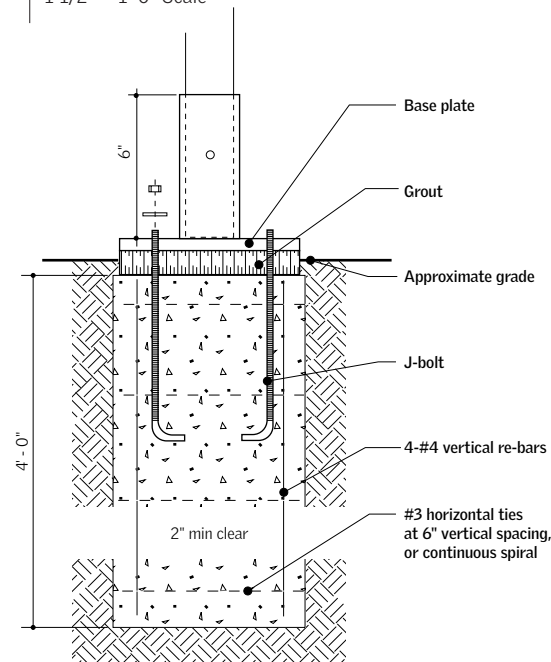
POST AND BASE
Sectional Plan Detail
1 1/2" = 1'-0" Scale



POST AND CAP
Sectional Elevation Detail
1 1/2" = 1'-0" Scale



BASE
Partial Elevation Detail
1 1/2" = 1'-0" Scale



FOOTING
Sectional Elevation Detail
1 1/2" = 1'-0" Scale

Post/Cap/Base/Footing Details
Materials and Fabrication

Post:
2" OD stainless steel tubing. Secure with tamper-proof bolt to base sleeve.

Cap:
Flush 1/4" x 2" diameter stainless steel cap welded and ground smooth at top of support post.

Base:
Stainless steel sleeve with three weep hole locations welded to 1/2" stainless steel base plate.

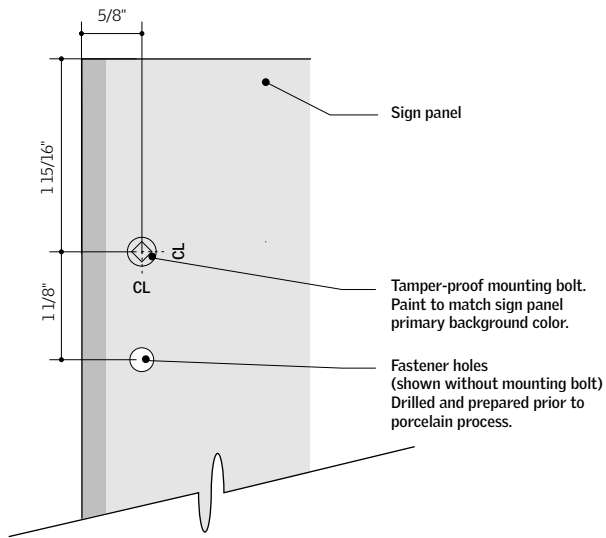
Footing:
Provide 1" non-shrink grout on top. Keep the grout visually inconspicuous.
Four #4 vertical re-bars and #3 horizontal ties at 6" vertical spacing or continuous spiral.

Fasteners:
Tamper-proof bolt – 5/8" or greater stainless steel bolt with lock washer.
J-bolt – 5/8" or greater by 12" long with 3" hook. Secure with nut and lock washer. Ground smooth J-bolt to align with top of nut.

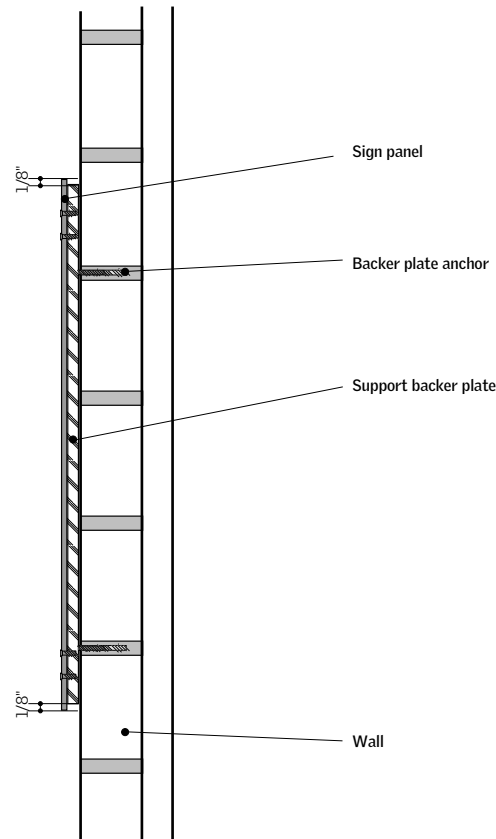
4.5 DETAILS

FABRICATION & SPECIFICATION

*NOTE:
Fabricator to verify field conditions
and recommend appropriate size and
type of all fasteners for designers'
approval prior to installation.*



WALL/SURFACE MOUNT DETAIL
Elevation Detail
Half Full Size



WALL MOUNT DETAIL
Elevation Detail
3" = 1'-0" Scale

Wall Mount Details

Materials and Fabrication

Sign Panel:

Steel panel of at least 14 gauge or greater as necessary to provide required rigidity. All panel faces, front, back and edges, including sides, to be porcelain enamel finish. Sign panel is mechanically fastened, center-mount horizontally and vertically to support backer plate.

Support Backer Plate:

1/4" thick aluminum plate secured to wall with welded pins or masonry sleeves. All edges of the backer plate should be held back 1/8" away from sign panel edges. Pins or masonry sleeves to be placed in mortar joints only.

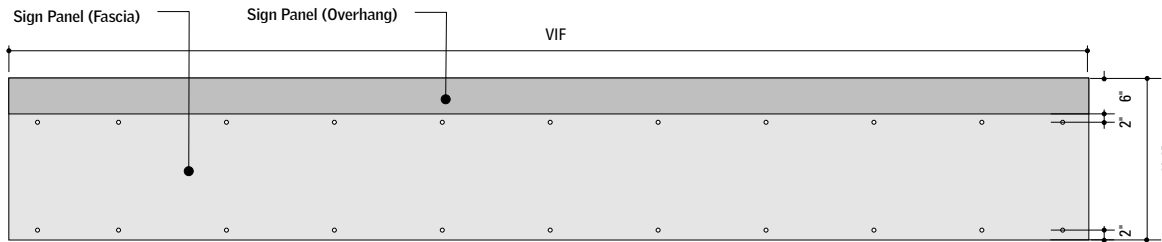
Fasteners:

Tamper-proof stainless steel machine screws painted to match primary color of sign panel background.

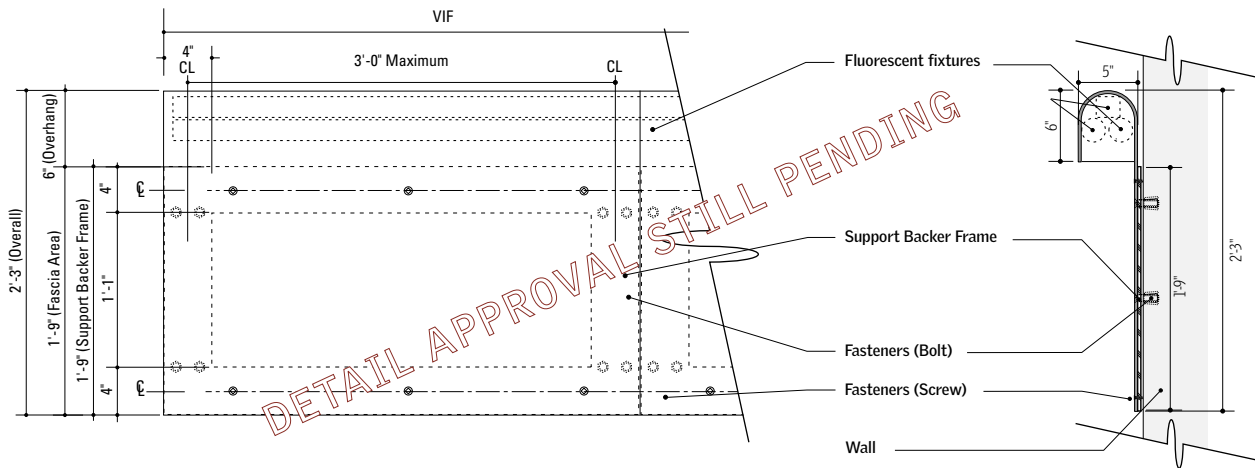
4.6 DETAILS

RETAIL & SPECIFICATION

NOTE:
Fabricator to verify field conditions and recommend appropriate size and type of all fasteners for designers' approval prior to installation.



ILLUMINATED RETAIL STOREFRONT SIGN
Front Elevation
3/8" = 1'-0" Scale



ILLUMINATED RETAIL STOREFRONT SIGN
Section Elevation
3/4" = 1'-0" Scale

ILLUMINATED RETAIL STOREFRONT SIGN
Section Elevation
3/4" = 1'-0" Scale

Retail Storefront Details
Materials and Fabrication

Sign Panel w. overhang:

Single porcelain unit with partial pan construction-mechanically fasten to wall. Top overhang in Secondary Color with side enclosures houses hidden illumination fixture. Panel thickness is dependent upon size of sign; Large signs require thicker gauge or a laminated backing panel finished to match background of face for rigidity. All sign faces, front, back and edges, including sides, to be porcelain enamel. All graphics are surface applied adhesive vinyl cut-outs. Panels to be butt seam joined with no visible support backer behind. Fabricator to recommend the minimum number of equal width sign panels with necessary fastener hole counts and location for designers' approval prior to fabrication.

Illumination fixtures:

Line of light housing including Jefferson electrical ballast with 5' or 7' fluorescent slim line bulbs overlapped where necessary.

Support Backer:

1/4" thick 21" wide aluminum frame welded to back of Base Unit and secured to wall with bolts.

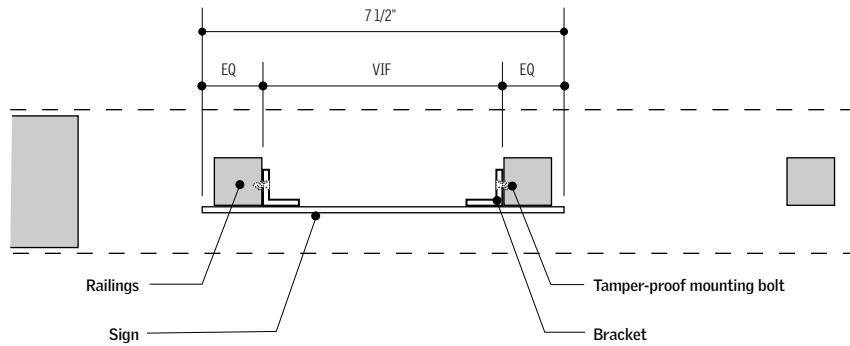
Fasteners:

Screws - 1/4" Tamper-proof stainless steel screws painted, to match primary color, on exposed surface.
Bolt - 2" x 3/4" bolt with anchor. Use appropriate masonry sleeves/anchor depending on type of wall as needed.

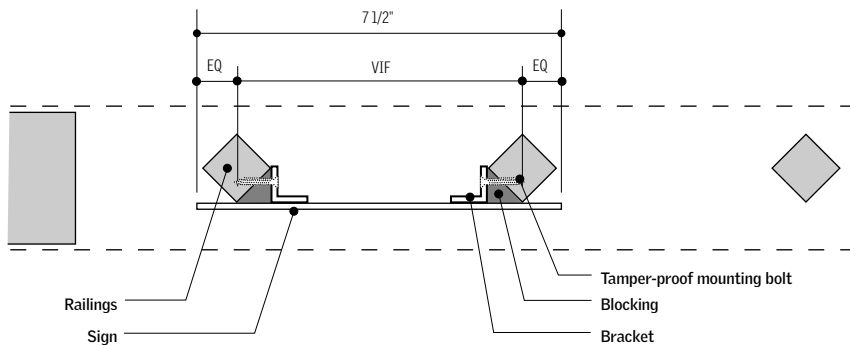
4.7 DETAILS

FABRICATION & SPECIFICATION

NOTE:
Fabricator to verify field conditions and recommend appropriate size and type of all fasteners for designers' approval prior to installation.



FENCE MOUNT BRACKET - SQUARE UPRIGHTS
Sectional Plan Detail
3" = 1'-0" Scale



FENCE MOUNT BRACKET - TRIANGULAR UPRIGHTS
Sectional Plan Detail
3" = 1'-0" Scale

Special Condition Mount
Details

Materials and Fabrication

These details should be adjusted as needed by varying site conditions.

Fence Mount Brackets:

1/8" steel bracket, painted to match primary color, around existing fence to which one single sign panel is attached.

Fasteners:

Tamper-proof screws painted, to match primary color, on exposed surface.

Sign Panel:

Steel panel of at least 14 gauge or greater as necessary to provide required rigidity. All panel faces, front, back and edges, including sides, to be porcelain enamel finish.

4.8 GENERAL SPECIFICATIONS

FABRICATION & SPECIFICATION

SECTION 10436

PART 1 GENERAL

1.1 General Requirements

A. Work of this Section, as shown or specified, shall be in accordance with the requirements of the Contract Documents.

1.2 Section Includes

A. Work of this Section includes all labor, materials, equipment and services necessary to complete the signage as shown on the drawings and/or specified herein, but not limited to the following:

1. *Post-mounted signs.*
2. *Wall-mounted signs.*

1.3 General

A. Designer shall be notified of any discrepancies in the drawings or sign schedule, in field dimensions or conditions, and/or changes required in construction details. The Contractor shall be responsible for the completed sign program in its entirety, and shall not avail themselves of any obvious errors on the drawings or specifications.

B. Contractor shall coordinate his/her work with that of related trades and shall advise Designer and Construction Manager in writing of any conflict which might occur.

C. No fabrication or installation materials or methods shall be used that will in any way change the visual quality or in any manner have an adverse effect on existing materials and surfaces. The Contractor is responsible for the structural stability for all signs and mountings. All damaged surfaces and materials incurred shall be restored to original condition and appearance by the Contractor.

D. The drawings and this specification describe minimum requirements with respect to materials, fabrication, installation, and operation of the work items specified and shall be used as a guide. All parts and all members of this work shall be the size, shape, and profile shown on the drawings. Methods of fabrication, assembly and erection, however, unless specifically stated, shall be at the discretion of this Contractor, whose responsibility it shall be to guarantee satisfactory performance as herein specified, and as required to comply with design requirements. Contractor shall notify Designer of any variation from the Contract Documents.

1.4 Performance Requirements

A. Design Criteria:
Design, fabricate, and install exterior post and panel signs to withstand a wind velocity of 110 mph or greater as required by Code on the total sign area, in all directions.

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Signage

This general specification outlines all criteria of the fabrication to assure the quality and to control the performance of the final products – the NYCHA Signage.

4.9 GENERAL SPECIFICATIONS

FABRICATION & SPECIFICATION

1.5 Submittals

A. Product Data:

For each type of post and panel sign specified. Include details of construction relative to materials, dimensions of individual components, profiles, and finishes. Provide manufacturer's written instructions for maintaining and cleaning sign surfaces.

B. Shop Drawings:

For each type of sign indicated.

1. *Submit calculations and shop drawings signed and sealed by a Professional Engineer Licensed in the State of New York, demonstrating compliance with wind speed and structural integrity.*
2. *Provide plans, elevations, and at least 3/4-inch scale sections of typical members and other components. Show anchors, reinforcement, accessories, layout, and installation details.*
3. *Show required location of connections to electrical service provided as a unit of Work in other Sections.*
4. *Provide message list for all signs.*
 - A. *Furnish full-size templates for cutout letters, numbers, and other graphic symbols.*
5. *Provide a detailed, dimensional layout showing text for each sign type at full scale. Include full-size details of all special graphics.*

Note: This spec should be modified as required to insure appropriate samples and shop submissions as provided for individual development contracts, and to accommodate any atypical site specific issues.

C. Samples for Initial Selection:

Manufacturer's color charts consisting of actual units or sections of units showing the full range of colors available for the following:

1. *Steel and Aluminum: 4-inch-long sections of extrusions and 2-inch squares of sheet or plate.*
2. *Stainless Steel: 4-inch long sample of post.*
3. *Adhesive Vinyl: 6-inch square sheet.*

D. Samples for Verification:

Of the following products, showing color, texture, or finish selected. Where finishes involve normal color and texture variations, include Sample sets showing the full range of variations expected. Prepare Samples from the same material to be used for the Work.

1. *Aluminum: Samples of each finish type on 6-inch long sections of extrusions and squares of sheet or plate at least 4 inches.*
2. *Painted Steel and Porcelain: Samples of each finish type and color, on 6-inch long sections of extrusions and squares of sheet or plate at least 4 inches.*
3. *Adhesive Vinyl: Cut-out letters "A" and "a" in Interstate Reg. Cond. 4-inch cap height.*

1.6 Quality Assurance

A. Installer Qualifications:

Engage an experienced installer who is an authorized representative of the sign manufacturer and who has completed installation of signs similar in material, design, and extent to that indicated for this Project and with a record of successful in-service performance.

B. Source Limitations:

Obtain signs through one source from a single manufacturer.

1.7 Delivery and Handling

A. Delivery:

Provide protective covering or crating as recommended by the manufacturer to protect sign components and surfaces against damage during transportation and delivery.

1. *Coordinate delivery time so signs can be installed within 24 hours of receipt at Project site.*

B. Handle signs carefully to prevent breakage, surface abrasion, denting, soiling, and other defects. Comply with the manufacturer's written handling instructions for unloading components subject to damage.

1. *Inspect sign components for damage on delivery.*
2. *Do not install damaged sign components.*
3. *Repair minor damage to signs, provided the finished repair is equal in all respects to the original work and is approved by Designer; otherwise, remove and replace damaged sign components.*

1.8 Guarantee

A. Provide twenty-five (25) year guarantee on the porcelain enamel finish against crazing, cracking, peeling, or fading.

B. Provide seven (7) year guarantee on the adhesive vinyl against peeling, or fading.

C. Provide ten (10) year guarantee on the paints against peeling, chipping or fading.

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(Continued)

**PART 2
PRODUCTS**

2.1 Materials

- A. Aluminum Sheet or Plate:**
Alloy and temper recommended by the aluminum producer and finisher for the type of use and finish indicated, and with at least the strength and durability properties specified in ASTM B 209 for 5005-H15 alloy.
- B. Steel Sheet:**
ASTM A424, Type I, 14 gauge for Porcelain finish.
- C. Steel Framing:**
Cold-formed steel tubing conforming to ASTM A 36, hot-dip galvanized after fabrication with a minimum of 2.0 oz. of zinc/sq. ft. of surface area conforming to ASTM A 123.
- D. Concrete for Footing:**
Mix portland cement complying with ASTM C 150, aggregates complying with ASTM C 33, and clean water to obtain concrete with a minimum 28-day compressive strength of 2500 psi. Use at least 4 sacks of cement/cu. yd., 1-inch maximum-size aggregate, maximum 3-inch slump, and 2 to 4 percent entrained air.
- E. Adhesive Vinyl Graphics:**
3M Scotchcal ElectroCut Film, white 7725-10 or approved equivalent. Pressure-sensitive adhesives shall be guaranteed not to deteriorate, discolor, delaminate or fail in adhesion for any reason including all environmental elements for minimum 7 years.
- F. Acrylic Paint:**
Matthews Acrylic Polyurethane or approved equivalent. All colors (Gloss finish) shall be exactly reproduced as specified and shall match the control samples. Prime coats or other sur-

4.10 GENERAL SPECIFICATIONS

face pre-treatments, where recommended by the manufacturer shall be provided.

2.2 Components

- A. Stainless Steel Posts:**
Manufacturer's standard 0.125-inch-thick, structural stainless steel tubing with No. 4 brushed finish, with vertical slots to engage sign panels. Provide stop blocks in slots to hold panels in position. Include post caps, fillers, spacers, junction boxes, access panels, and related accessories required for a complete installation.
- B. Comply with the following requirements for post shape, finish, and mounting method:**
 - 1. *Post Shape: 2" OD.*
 - 2. *Post Finish: Stainless steel, brushed.*
 - 3. *Post Mounting Method: Provide sign posts of length required for permanent installation by direct-burial mounting method.*
 - 4. *Sleeve Mounting Method: Provide sign posts of length required for installation over internal reinforcing members embedded in concrete foundations. Provide manufacturer's standard internal post reinforcing members for direct burial in concrete foundations.*
- C. Sign Panels:**
Provide smooth, even, level sign panel surfaces constructed to remain flat under installed conditions within a tolerance of plus or minus 1/16 inch measured diagonally from corner to corner. Provide single-sheet panels with edges mechanically and smoothly finished. Where requested, provide square corners.
 - 1. *Panel Material: 14 gauge steel sheet ASTM A424, Type 1, with porcelain enamel finish.*
 - A. *Panel Finish: See drawings.*

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4.11 GENERAL SPECIFICATIONS

FABRICATION & SPECIFICATION

D. Wall mounted sign:

Plate and epoxy anchored to structural substrate. Contractor's Professional shall review attachment to substrate and size anchoring. Friction fit shall be gasketed to provide a weathertight enclosure.

E. Graphic Content and Style:

Provide sign copy to comply with requirements indicated for sizes, styles, spacing, content, positions, materials, finishes, and colors of letters, numbers, symbols, and other graphic devices.

2.3 Accessories

A. Fasteners:

Use concealed fasteners fabricated from metals that are noncorrosive to sign material and mounting surface. All fasteners shall be tamperproof.

B. Anchors and Inserts:

Use nonferrous metal or hot-dip galvanized anchors and inserts. Use toothed steel or lead expansion-bolt devices for drilled-in-place anchors. Furnish inserts, as required, to be set into concrete.

C. Collars:

Painted steel as shown on drawings.

2.4 Fabrication

A. General:

Comply with requirements indicated for materials, thicknesses, finishes, colors, designs, shapes, sizes, and details of construction.

1. Allow for thermal movement resulting from a maximum ambient temperature change (range) of 120 deg F. Design, fabricate, and install post and panel sign assemblies to prevent buckling, opening up of joints, and overstressing of welds and fasteners.

A. Base design on actual surface temperatures of metals due to both solar heat gain and nighttime-sky heat loss.

2. Welded Connections: Comply with AWS standards for recommended practices in shop welding. Provide welds behind finished surfaces without distortion or discoloration of exposed side. Clean exposed welded surfaces of welding flux and dress on exposed and contact surfaces.
3. Mill joints to a tight, hairline fit. Form joints exposed to the weather to exclude water penetration.

4. Preassemble signs in the shop to the greatest extent possible to minimize field assembly. Disassemble signs only as necessary for shipping and handling limitations. Clearly mark units for reassembly and installation, in a location not exposed to view after final assembly.

5. Conceal fasteners if possible; otherwise, locate fasteners where they will be inconspicuous.

B. Posts:

Fabricate posts to lengths required for mounting method indicated.

1. Direct Burial: For permanent sign installation, provide posts 36 inches longer than height of sign to permit direct embedment in concrete foundations.
2. Sleeves: For removable post installation, provide internal reinforcement recommended by manufacturer, sized for a close fit inside sign posts. For direct embedment of internal reinforcement in concrete foundations, provide lengths 36 inches longer than length needed to attach sign posts securely to internal reinforcement and prevent the sign from overturning when subjected to normal loading conditions prevailing at the Project site.
 - A. Furnish templates as necessary for accurate setting of sleeves in concrete foundations.

C. Panels:

Form panels to required size and shape. Comply with requirements indicated for design, dimensions, finish, color, and details of construction.

1. Coordinate dimensions and attachment methods to produce message panels with closely fitting joints. Align edges and surfaces with one another in the relationship indicated.
2. Increase metal thickness or reinforce with concealed stiffeners or backing materials as required to produce surfaces without distortion, buckles, warp, or other surface deformations.
3. Continuously weld joints and seams, unless other methods are indicated; grind, fill, and dress welds to produce smooth, flush, exposed surfaces with welds invisible after final finishing.

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(Continued)

4.12 GENERAL SPECIFICATIONS

FABRICATION & SPECIFICATION

D. Porcelain Signage Fabrication

1. *Flatness: Finished panels shall have a maximum variation of .188" in a convex direction when measured perpendicular to the nominal plane of the panel face. Variation in the concave direction shall be limited to .094" from the actual plane of the panel face. These tolerances are for panels with a face area of 8-sq. ft. or less. Proportionately greater allowance will be permitted for panels of greater areas.*
2. *Squareness: Panels of less than 8-sq. ft. shall be square within .063" as measured across the diagonal and within .094" on panels over 8 square feet.*
3. *Welding: Fusion welds must be free of porosity, inclusions, foreign matter, cracks and pinholes. Any wire or rod fillers used must match the chemical composition of the base metal. All welds shall be ground and sanded smooth to match the radius of the mechanical break. Refer to Porcelain Enamel Institute Technical Manual "PEI-201" section 7.*
4. *Metal Preparation/Cleaning*
 - A. *Degreasing: Prior to the enameling process, all parts shall be degreased by immersion in an approved degreasing fluid. Oil residues must be completely removed to ensure proper porcelain adhesion to the steel substrate.*
 - B. *Rinsing: All parts must be adequately rinsed prior to the phosphate coating process.*
 - C. *Coating: Immediately after rinsing, all parts shall be immersed in a phosphate coating solution to avoid rusting of steel prior to and during the enameling process.*

5. *Porcelain Enameling: A porcelain enamel ground coat shall be applied to all areas of each unit, including backside and flanges, by spraying methods recognized by PEI and VEDC. At least one additional separately fired cover coating shall be applied to the face, sides, and flanges of each unit. For corrosion protection and flatness, one additional cover coating shall be applied to the backside of each panel.*
6. *Finish: The cover coat shall not exhibit any breaks, gas bubbles, scumming, hairlines, stress lines or other surface defects when visually inspected.*
7. *Finish And Background Color Control: The color and finish shall match samples previously submitted by the supplier and approved by the customer within (2) NBS units.*
8. *Ground Coat And Cover Coat Thickness: Ground coat and cover coat applications shall be applied in accordance with PEI recommendations to a thickness range between 0.004" to 0.020", as required by the supplier to suit the intended use.*

2.5 Finishes

- A. Comply with Porcelain Enamel Institute, Steel Division for recommendations relative to applying and designating finishes.
- B. Steel Panel with Porcelain Finish
 1. *Vitreous (glassy) inorganic coating bonded to metal by fusion at temperature above 1400 deg. F, complying with Porcelain Enamel Institute, Steel Division. Material shall have no less than Class A acid resistance rating as defined by ASTM C282 Citric Acid Spot Test.*
- C. Steel
 1. *Prepare steel in accordance with SSPC SP-6.*
 2. *Primer: Zinc Rich equal to "Tnemezinc 90-97" by Tnemec or approved equal.*
 3. *Intermediate Coat: Epoxy coating equal to "Expoxoline 66" by Tnemec or approved equal.*
 4. *Finish Coat: Aliphatic Urethane "Endurashield 73/74" by Tnemec or approved equal. Custom color as selected by Designer.*
- D. Colors and Textures:

For exposed sign material that requires selection of materials with integral or applied colors, textures, or other characteristics related to appearance, provide color matches as selected by Designer from manufacturer's standards.

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(Continued)

4.13 GENERAL SPECIFICATIONS

FABRICATION & SPECIFICATION

PART 3 EXECUTION

3.1 Preparation

- A. Furnish templates, anchor bolts, internal reinforcement, and other items required to be set in concrete post foundations at proper time for setting.

3.2 Installation

- A. General:
Locate sign units and accessories where indicated, using mounting methods of type described and complying with manufacturer's written instructions.
- B. Excavation:
In firm, undisturbed or compacted soil, drill or (using a post-hole digger) hand-excavate holes for each post to the minimum diameter recommended by sign manufacturer, but at least 4 times the largest post cross-section.
- C. Setting Posts: Center and align posts in holes 3 inches above bottom of excavation.
 - 1. *Protect portion of posts aboveground from concrete splatter. Place concrete around posts and vibrate or tamp for consolidation. Check posts for vertical and top alignment and hold in position until concrete has achieved its initial set.*
- D. Set steel post over uprights at sleeve extension conditions.
- E. Install signs level, plumb, and at height indicated, with surfaces free from distortion or other defects in appearance.

3.3 Cleaning and Protecting

- A. At completion of installation, clean soiled surfaces of sign units according to manufacturer's written instructions.
- B. Protect installed sign units from damage until acceptance by Owner.

(END OF SECTION 10436)

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(Continued)

4.14 SIGNAGE FABRICATORS

FABRICATION & SPECIFICATION

Design Communications Ltd.

27 West 24th Street
Suite 804
New York, NY 10010
t: 212-255-3226
f: 212-255-3225

Contact: Thomas Barton

Precision Engraving

243 Dixon Avenue
Amityville, NY 10701
t: 631-842-5060
f: 631-842-0064

Contact: Gary Anzalone

Signs + Decal

410 Morgan Avenue
Brooklyn, NY 11211
t: 718-486-6400
f: 718-388-3166

Contact: Tazzim Khalfan

Spectrum Signs

111 Carolyn Blvd.
Farmingdale, NY 11735
t: 631-756-1010
f: 631-756-9826

Contact: Jamie Booth

The Sign Company

505 Eighth Avenue
New York, NY 10018
t: 212-967-2113
f: 212-967-4119

Contact: Lenny LaRosa

Visual Graphics Systems

500 Tenth Avenue
New York, NY 10018
t: 212-563-5600
f: 212-563-9334

Contact: Lorraine Conte

Signage Fabricators

Contact List

The provided contact information is for a selected list of firms that can be contacted for bids on signage fabrication as documented in this manual.

This list is in alphabetical order.