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OVERVIEW OF THE METRORAIL SYSTEM

1.0 The metro system currently has 86 stations that service the DC Metropolitan area. Each station has standard signage that mirrors the patron’s line of travel. Signage is located at station entrances, on mezzanines and platforms. Support signage for parking lots, buses and right-of-way are also standardized. Patrons using the system must find fare and travel information as well as hours of use and accessibility information. WMATA has made efforts to create uniformity in rail and support signage to help patrons identify standard sign types and locations. This uniformity creates consistency throughout all stations and helps patrons move to and from their destinations in a timely manner.
GENERAL INFORMATION

2.0 PURPOSE

The purpose of this Manual is to establish criteria to be used in the design of the Washington Metropolitan Area Transit Authority's Signage and Graphics by providing a document which outlines the general and specific rules for the unified graphic system in use by WMATA.

This Manual includes standards of identification, direction information and implementation which have been devised to safely guide patrons and employees through the Metro system. It also includes sign layouts and graphics symbols commonly used throughout the system.

Signage and Graphics Design:

The primary function of a standardized signage system is to guide persons into, within and out of a station and other WMATA facilities efficiently through the use of a standardized set of graphic elements and the proper placement of signs. Accurately designed signs help WMATA fulfill its commitment to provide their customers with the correct information when and where its needed. The proper placement of signs is determined according to the principle of decision points, or specific locations where patrons must make decisions regarding their direction of movement, and signs must be placed where they are easily visible but out of the reach of the general public as much as possible.

Background and Development of Signage Principles:

- Soon after system operations commenced, horizontal station name signs on the vault walls were introduced, as well as some other wayfinding signs in busy transfer stations. However, a majority of wayfinding and station ahead information was still displayed on pylons throughout the system.

- Occasionally, new signage types were introduced into the system to enhance the communication of certain messages. An example of this was the development of several types of new station ahead list signs put into some stations during the 1990."s.

- Several studies and focus groups were conducted over the years to determine the effectiveness and weaknesses of signage in Metrorail stations. As a result of these studies and in order to have a more unified signage system, several basic principles of design were developed. A pilot project to test these new signage principles was installed at the Gallery Pl-Chinatown station in 2003. As a result of this pilot, these principles were adopted by the WMATA Board in July 2004 as the basis for updating the WMATA Signage Standards. The most significant impact of the signage principles has been the establishment of where signage messages are to be located.

- When the first stations in the Metrorail system went into operation in the mid 1970."s, station signage was predominately displayed on rectangular vertical pylons clad in dark brown porcelain enamel steel panels. This method proved to be troublesome from the very beginning since messages could not be easily read horizontally unless very small text was used. Another problem with signage on the pylons was the fact that the pylons are mounted diagonally and customers could not always determine in which direction the signage was pointing.

- While most new signs based on the signage principles are similar in appearance to the older signs, a few minor differences were made for some sign types. This manual shall refer to signs with these minor differences as the “New Signage Types”.
GENERAL

2.1 SCOPE

This version of the Manual of Graphics Standards supercedes all the previously issued Manual of Graphics Standards and all other standards, and relates to the following elements of design:

- Site Signage and Graphics including Parking Structure Signage and Graphics; Regulatory Parking and Restrictive and Directional Traffic Signage and Graphics; and Tunnel and Right-of-Way Graphics
- Station Signage and Graphics

PROCEDURES

The Designer shall prepare Contract Drawings and Specifications for each project in accordance with the Signage and Graphics Design Criteria and Procedures established in this Manual. The Designer shall meet or exceed the Authority’s Signage and Graphics Design Criteria relevant for each element of the work as these represent the standards to be used for both design and construction. In addition, WMATA Signage and Graphics designs shall comply with National Highway Standards, Manual of Uniform Traffic Control Devices and other applicable traffic regulatory agencies’ standards; private and public utility companies and agencies’ published standards; organizational reference standards and specifications including, but not limited to, the National Fire Protection Association (NFPA) Requirements; and current jurisprudential authorities regulations including, but not limited to, Americans with Disabilities Act Accessibility Guidelines (ADAAG) and international, federal, state and local building, mechanical and electrical codes.

PROCEDURES – Cont’d

The Designer shall note that all WMATA facilities must meet Federal Transit Authority (FTA) ADA requirements, and the Designer’s attention is directed to the fact that without exception all WMATA projects are subject to FTA assessment of the facilities as actually built with regard to ADAAG regulations. The Designer shall secure the latest version of these regulations from the FTA. Also, the Designer is urged to acquire the FTA’s Accessibility Handbook for Transit Facilities publication for the Designer’s use as an information guide. The ADAAG Design Compliance Certification Form attached at the end of Section 01112, DESIGN REQUIREMENTS AND PROGRAM CRITERIA, of the WMATA Standard Specifications addresses design conformance with ADAAG regulations for relevant items reflected in each required level of design completion, and shall be certified by the Designer and accompany each design review submittal as specified in Section 01330, DESIGN AND CONSTRUCTION SUBMITTAL PROCEDURES, of the WMATA Standard Specifications. The ADA Facilities Accessibility Checklist Form also attached at the end of Section 01112 shall be completed concurrent with the design of relevant items and shall be submitted along with each required level of design completion review submittal as specified in Section 01330.

If any of the above-mentioned laws, codes, regulations and standards that also control the design and construction of the Project exceed the Authority requirements, then the more stringent shall govern.

Deviations may be made to meet the requirements of a particular design problem; however, all deviations shall be referred to WMATA for consideration and approval. It must be emphasized that it is the responsibility of the Designer to justify any deviation from the Signage and Graphics Design Criteria established and to secure the necessary approvals as the work progresses.
3.1 Above Ground Stations - Side Platform
Entrance/Mezzanine Plan
(Cont’d - next page)

3.1.1 Side Platform Entrance Design Criteria

3.1.1.1
The outside of each major station entrance shall have a standard Metro type “B” Bronze Pylon with a porcelain enamel appliqué of the station name mounted on it.

3.1.1.2
Outside each major station entrance there shall be a “D” type pylon with secondary information.

3.1.1.3
Station entrances and entrance pavilions shall have the station names mounted horizontally over the entrance.

3.1.1.4
Entrances to passageways, pedestrian bridges, elevators, etc. leading to a station mezzanine shall have the station name displayed horizontally over their entrances.
### Above Ground Stations - Side Platform Entrance/Mezzanine Plan – Cont’d

#### 3.2.2 Side Platform Mezzanine Design Criteria

3.2.1.1 Mezzanine free and paid areas shall have illuminated information map cases for display of the Metro System Map, Area Neighborhood Map, and Bus Information.

3.2.1.2 Mezzanine free areas shall have illuminated overhead directional signs for customers exiting the faregates and to other station areas.

3.2.1.3 Each mezzanine shall have a PIDS sign mounted overhead visible from the free and paid side of the mezzanine.

3.2.1.4 A non-illuminated last train sign shall be installed on both paid and free sides of the kiosk.
3.3 Above Ground Stations - Side Platform  

Platform Plan

3.3.1 Center Platform Design Criteria

3.3.1.1 Outboard Station Name signs with the end station destination indicated below the station name shall be mounted horizontally on the outboard side of the platforms and spaced approximately (60'-0") on center.

3.3.1.2 Outboard Station name signs shall be mounted on posts behind parapet walls, mounted directly to walls or fencing, or suspended from an overhead canopy.

3.3.1.3 In existing stations, station name signs shall be mounted to “A1” type pylons.

3.3.1.4 Mount horizontal station ahead list (SAL) signs below the outboard station names signs. SALS shall be designed to be easily changeable and made from durable materials to prevent tampering and vandalism. Design to be developed.

3.3.1.5 For stations with more than one exit, provide horizontal wayfinding signs parallel with the tracks and between selected outboard station name signs. Coordinate with WMATA for locations. (Not referenced on plan above).

3.3.1.6 Illuminated map cases shall be mounted parallel with the tracks, on the windscreen or wall, and spaced as even as possible along the platform in two to three locations under a canopy or ceiling if possible.

3.3.1.7 Exits off the platform over escalators and stairs leading to the entrance/mezzanine area shall have overhead illuminated signs perpendicular to the path of travel.

3.3.1.8 Each platform edge shall have two double sided PIDS mounted so that the viewing distance is never more than 150 feet away along the edge of the platform.

3.3.1.9 Signs indicating the direction of the Area of Rescue Assistance shall be placed at the ends of the platform.

3.3.1.10 Each platform shall have two “Emergency Intercom” signs spaced evenly along the platform.

3.3.1.11 Elevators on platforms shall have identification signage.
3.4 Above Ground Stations - Side Platform Station Section

STATION GRAPHICS

3/3/2008

KEY
3.1.1.2 = Design Criteria Number
6.2 = Sign Detail Page Number

Above Ground Station – Side Platform Station Sections
3.5 Above Ground Stations - Center Platform Entrance/Mezzanine Plan (Cont’d - next page)

3.5.1 Center Platform Entrance Design Criteria

3.5.1.1 The outside of each major station entrance shall have a standard Metro type “B” Bronze Pylon with a porcelain enamel applique of the station name mounted on it.

3.5.1.2 Outside each major station entrance there shall be a “D” type pylon with secondary information.

3.5.1.3 Station entrances and entrance pavilions shall have the station names mounted horizontally over the entrance.

3.5.1.4 Entrances to passageways, pedestrian bridges, elevators, etc. leading to a station mezzanine shall have the station name displayed horizontally over their entrances. (Not referenced on plan above.)

3.5.1.5 A bus information map shall be mounted on a wall near the free side farecard machines. (Not referenced on plan above.)
3.6.2 Center Platform Mezzanine Design Criteria

3.6.2.1 Mezzanine free and paid areas shall have illuminated information map cases for display of the Metro System Map, Area Neighborhood Map, and Bus Information.

3.6.2.2 Mezzanine free areas shall have illuminated overhead directional signs for customers exiting the faregates and mezzanine area to other station areas.

3.6.2.3 Each mezzanine shall have a PIDS sign mounted overhead visible from the free and paid side of the mezzanine.

3.6.2.4 Escalators and stairs leading to the platform area shall have overhead illuminated signs perpendicular to the path of travel. The opposite face of the sign shall indicate the direction of the exit.

3.6.2.5 Supplementary non-illuminated overhead directional signage shall be used to assist and direct customers to areas not readily apparent.

3.6.2.6 Elevators on mezzanines shall have identification signage.
### 3.7 Above Ground Stations - Center Platform

#### Platform Plan

#### 3.7.1 Center Platform Design Criteria

- **3.7.1.1** Outboard Station Name signs with the end station destination indicated below the station name shall be mounted horizontally on the outboard side of the tracks and spaced approximately (50'-0") on center.
- **3.7.1.2** Suspended mounted non-illuminated Station Name signs parallel with the tracks shall be mounted from the platform canopy or ceiling where available. In some cases wayfinding information may be added to the ends of the station name sign. Spacing shall be approximately 40'-0" on center, but needs to be coordinated between other elements on the platform such as elevators, escalators, stairs, and structural elements.
- **3.7.1.3** In new stations station name signs and directional signage on the platform that are out in the open and not under a canopy or ceiling shall be cantilevered off of the platform light posts centered on the platform.
- **3.7.1.4** In existing stations, station name signs shall also be mounted to “A1” type pylons.
- **3.7.1.5** In existing stations directional signage on the platform that is not under a canopy or ceiling shall be mounted from freestanding posts mounted between the existing A1 type pylon lighting. Spacing to be determined by WMATA. (Not designed yet.)
- **3.7.1.6** In some rare cases where there is an exit off each end of the platform and directional information is extensive such as at Ronald Reagan Washington National Airport, suspended mounted non-illuminated Wayfinding information signs parallel with the tracks may me mounted from the platform canopy or ceiling replacing every other station name sign. (Not referenced on plan above).
- **3.7.1.7** In new stations station ahead lists shall be mounted in illuminated double sided map cases attached to the wind screens.
- **3.7.1.8** Station Ahead Lists in existing stations with existing wind screens shall be non-illuminated horizontal sign cases mounted to the wind screens and can be either a single double sided sign visible on both sides of the windscreen or two single sided signs mounted to both sides of the windscreen with one for the outbound and one for the inbound track. The sign cases are to allow for the easy changing of station ahead graphic media. (Not designed yet.)
3.8 Above Ground Stations - Center Platform
Platform Plan – Cont’d

3.7.1 Center Platform Design Criteria - Cont’d

3.7.1.9 Station Ahead Lists shall be mounted horizontally on top of freestanding double sided illuminated information map cases called “dioramas”.

3.7.1.10 Freestanding double sided illuminated map cases shall be mounted parallel with the tracks, centered on the platform, and spaced as even as possible along the platform in two to three locations under a canopy or ceiling if possible.

3.7.1.11 Exits off the platform over escalators and stairs leading to the mezzanine area shall have overhead illuminated signs perpendicular to the path of travel.

3.7.1.12 At the top or bottom of stairs or escalators at the platform level an illuminated double sided wayfinding sign shall be mounted overhead perpendicular to the path of travel just beyond the end of the stairs or escalator indicating the train destination of each side of the platform.

3.7.1.13 Each platform edge shall have two double sided PIDS mounted so that the viewing distance is never more than 150 feet away along the edge of the platform.

3.7.1.14 Signs indicating the direction of the Area of Rescue Assistance shall be placed at the ends of the platform.

3.7.1.15 Each platform shall have two “Emergency Intercom” signs spaced evenly along the platform.

3.7.1.16 Elevators on platforms shall have identification signage.
3.9 Above Ground Stations - Center Platform Station Sections

Section at Newer Type Stations

Section at Older “Gull Wing” Type Stations

STATION GRAPHICS

3/3/2008

KEY
3.1.1.2 = Design Criteria Number
6.2 = Sign Detail Page Number

SIGNAGE STANDARDS MANUAL – STATION SIGNS
3.10 Below Ground Stations - Side Platform
Station Entrance Plan

3.10.1 Side Platform Entrance Design Criteria

3.10.1.1 The outside of each major station entrance shall have a standard Metro type “B” Bronze Pylon with a porcelain enamel appliqué of the station name mounted on it.

3.10.1.2 Station entrances, parapet walls over entrance escalators, and entrance pavilions shall have the station names mounted horizontally over the entrance.

3.10.1.3 Elevators located at street level near station entrances shall have identification signage. (Not referenced on plan above).

3.10.1.4 Entrances to passageways, pedestrian bridges, elevators, etc. leading to a station mezzanine shall have the station name displayed horizontally over their entrances. (Not referenced on plan above).
3.11 Below Ground Stations - Side Platform

Mezzanine Plan

3.11.1 Side Platform Mezzanine Design Criteria

3.11.1.1 Mezzanine free and paid areas shall have illuminated information map cases for display of the Metro System Map, Area Neighborhood Map, and Bus Information.

3.11.1.3 Each entrance/mezzanine shall have a PIDS sign mounted overhead visible from the free and paid side of the mezzanine.

3.11.1.4 A non-illuminated Last Train sign shall be installed on both paid and free sides of the kiosk.

3.11.1.5 A bus information map shall be mounted on a wall near the free-side fare machines.

3.11.1.6 Signage over escalators and stairs leading to the platform area shall be overhead illuminated signs perpendicular to the path of travel.

3.11.1.7 Elevators located on entrance/mezzanines shall have identification signage.
**STATION GRAPHICS – Above Ground Stations**

3.12 Below Ground Stations - Side Platform

**Platform Plan**

### 3.12.1 Side Platform Design Criteria

- **3.12.1.1** Outboard Station Name signs with the end station destination indicated below the station name shall be mounted horizontally on the vault wall and spaced approximately (86'-8") on center. Coordination of proposed spacing may vary after field verification of existing conditions.

- **3.12.1.2** Mount horizontal station ahead list (SAL) signs on vault walls below the outboard station name signs.

- **3.12.1.3** For stations with more than one exit provide horizontal wayfinding signs on vault walls between selected station name signs. Coordinate with WMATA for locations.

- **3.12.1.4** Exits off the platform over escalators and stairs leading to the entrance/mezzanine area shall have overhead illuminated signs perpendicular to the path of travel.

- **3.12.1.5** Each platform edge shall have two double sided PIDS mounted so that the viewing distance is never more than 150 feet away along the edge of the platform.

- **3.12.1.6** Signs indicating the direction of the Area of Rescue Assistance shall be placed at the ends of the platform.

- **3.12.1.7** Each platform shall have two “Emergency Intercom” signs spaced evenly along the platform.

- **3.12.1.8** Elevators on platforms shall have identification signage.
STATION GRAPHICS – Above Ground Stations

3.13 Below Ground Stations - Side Platform
Station Section

SEE 3.12.1.1 SPACING CRITERIA

TOP OF PLATFORM

TOP OF PLATFORM (FINISH FLOOR)

Elevation

Section

TOP OF SIGN
15'-8''

STATION GRAPHICS – Above Ground Stations

3/3/2008

SIGNAGE STANDARDS MANUAL – STATION SIGNS

Below Ground Station – Side Platform
Station Sections

3.13
3.14 Below Ground Stations - Center Platform
Station Entrance Plan

3.14.1 Center Platform Entrance Design Criteria

3.14.1.1 The outside of each major station entrance shall have a standard Metro type “B” Bronze Pylon with a porcelain enamel appliqué of the station name mounted on it.

3.14.1.2 Station entrances, parapet walls over entrance escalators, and entrance pavilions shall have the station names mounted horizontally over the entrance.

3.14.1.3 Elevators located at street level near station entrances shall have identification signage. (Not referenced on plan above).

3.14.1.4 Entrances to passageways, pedestrian bridges, elevators, etc. leading to a station mezzanine shall have the station name displayed horizontally over their entrances. (Not referenced on plan above).
3.15.1 Center Platform Mezzanine Design Criteria

3.15.1.1 Mezzanine free and paid areas shall have illuminated information map cases for display of the Metro System Map, Area Neighborhood Map, and Bus Information.

3.15.1.2 Mezzanine free areas shall have illuminated overhead directional signs for customers exiting the faregates and to other station areas. (Not referenced on plan above).

3.15.1.3 Each mezzanine shall have a PIDS sign mounted overhead visible from the free and paid side of the mezzanine.

3.15.1.4 A non-illuminated Last Train sign shall be installed on both paid and free sides of the kiosk.

3.15.1.5 A bus information map shall be mounted on a wall near the free-side fare machines.

3.15.1.6 Signage over escalators and stairs leading to the platform area shall be overhead illuminated signs perpendicular to the path of travel.

3.15.1.7 Elevators located on mezzanines shall have identification signage.

3.15.1.8 For stations with more than one exit provide horizontal wayfinding signs on vault walls between selected station name signs. Coordinate with WMATA for locations.
### Center Platform Design Criteria

#### 3.16.1.1 Outboard Station Name signs with the end station destination indicated below the station name shall be mounted horizontally on the outboard side of the platforms and spaced approximately (50'-0") on center. Coordination of proposed spacing may vary after field verification of existing conditions.

#### 3.16.1.2 In existing stations, station name signs shall also be mounted to "C" type pylons.

#### 3.16.1.3 Exits off the platform over escalators and stairs leading to the mezzanine area shall have overhead illuminated signs perpendicular to the path of travel.

#### 3.16.1.4 At the top or bottom of stairs or escalators at the platform level an illuminated double sided wayfinding sign shall be mounted overhead perpendicular to the path of travel just beyond the end of the stairs or escalator indicating the train destination of each side of the platform.

#### 3.16.1.5 Station Ahead Lists shall be mounted horizontally on the top of illuminated information map cases called “dioramas” or on posts centered on the platform and parallel with the tracks centered on the platform and parallel with the tracks. Coordinate with WMATA on location and spacing.

#### 3.16.1.6 In multiple entrance stations, or when applicable, double sided directional signage shall be mounted from the ceiling below a mezzanine or between free standing posts in open vaulted areas centered on the platform and parallel with the tracks. Signs on the platform shall not be hung from the vault ceiling.

#### 3.16.1.7 Each platform edge shall have two double sided PIDS mounted so that the viewing distance is never more than 150 feet away along the edge of the platform.
Below Ground Station - Center Platform

Platform Plan – Cont’d

3.15.1 Center Platform Design Criteria – Cont’d

3.17.1.8 Signs indicating the direction of the Area of Rescue Assistance shall be placed at the ends of the platform.

3.15.1.9 The platform shall have two “Emergency Intercom” signs mounted to the “C” type mechanical pylons spaced evenly along the platform.

3.15.1.10 Elevators on platforms shall have identification signage.
3.18 Below Ground Station - Center Platform
Station Sections

TOP OF PLATFORM

TOP OF SIGN
5'-8"

SEE 3.16.1.1 SPACING CRITERIA

TOP OF PLATFORM (FINISH FLOOR)

5'-8" TYPICAL

Elevation 1/10

Section 1/10
Transfer stations are designed by combining side and center platform and mezzanine plans and design criteria. The existing transfer stations that were created by combining different design criteria are: Fort Totten, Gallery Place, L'Enfant Plaza, and Metro Center. The design criteria combinations for these stations are:

**Fort Totten**
- Above Ground Center Platform, See 3.5, 3.6, 3.7, 3.8, and 3.9
- Below Ground Center Platform, See 3.14, 3.15, 3.16, 3.17, 3.18

**Gallery Place**
- Below Ground Stations Side Platform, See 3.10, 3.11, 3.12, 3.13
- Below Ground Center Platform, See 3.14, 3.15, 3.16, 3.17, 3.18

**L'Enfant Plaza**
- Below Ground Stations Side Platform, See 3.10, 3.11, 3.12, 3.13
- Below Ground Center Platform, See 3.14, 3.15, 3.16, 3.17, 3.18

**Metro Center**
- Below Ground Stations Side Platform, See 3.10, 3.11, 3.12, 3.13
- Below Ground Center Platform, See 3.14, 3.15, 3.16, 3.17, 3.18

The other existing transfer stations, King Street, Pentagon, Rosslyn and Stadium Armory, are based on only one design criteria. Their criteria are as follows:

**King Street**
- Above Ground Center Platform, See 3.5, 3.6, 3.7, 3.8, and 3.9

**Pentagon**
- Below Ground Stations Side Platform, See 3.10, 3.11, 3.12, 3.13

**Rosslyn**
- Below Ground Stations Side Platform, See 3.10, 3.11, 3.12, 3.13

**Stadium Armory**
- Below Ground Center Platform, See 3.14, 3.15, 3.16, 3.17, 3.18
PARKING FACILITY GRAPHICS

4.1 Daily Parking Rate Sign

1. Sign size is 36” wide x 42” tall.

2. Signs are mounted on two metal posts at each end of the sign width.

3. Signs are mounted @ min. of 12” to bottom of sign above ground.

4. Signs are located at parking lot entrances on both sides of parking booth where sign is visible to patrons entering and exiting the lot.
4.2 SmarTrip and Credit Card Parking Signs

1. Signs are 20” wide x 26” tall.

2. Signs are mounted inside WMATA approved, 22”x28” frames.

3. Signs are mounted in sign holders on free side of mezzanines at stations that have parking lots and/or garages.

4. Sign material shall be based on display duration and sign accessibility.
Reserved Parking Signs

1. Signs are 18” wide x 24” tall.

2. Signs are mounted on posts at 7’-0” above finished grade to bottom of sign. See 8d.4 for mounting height detail.

3. Signs material is .120” thick aluminum

4. Sign shall be mounted on single post. See 5.51 for mounting and footing details.
Parking Regulations Sign – Timed


2. Text of sign is determined by jurisdictional regulations.

3. Signs material is .120” thick aluminum.

4. Sign shall be mounted on single post. See 5.51 for mounting and footing details.
4.5 Parking Regulations Sign – Timed – Cont’d


2. Text of sign is determined by jurisdictional regulations.

3. Signs material is .120” thick aluminum.

4. Sign shall be mounted on single post. See 5.51 for mounting and footing details.
4.6 Parking Regulations Sign – Timed – Cont’d

1. Sign background shall be white reflective engineer grade Scotchlite no. 2290/3290.

2. All text shall be capitalized red 712 transparent screen printed Helvetica Medium Condensed font.

3. Sign shall be mounted on double posts. See 5.50 and 5.51 for mounting and footing details.

4. Signs material is .120” thick aluminum.
4.7 **Restrictive Sign**

1. Restrictive signs define the use of parking spaces for automobiles, the handicapped, bicycles and motorcycles.

2. Layout, color, letter size and typeface conform to the design regulations of the National Highway Standards, local jurisdictions and those of other traffic regulatory agencies.

3. Signs material is .120” thick aluminum.

4. Sign shall be mounted on single post. See 5.51 for mounting and footing details.
4.8 ADA Parking Sign

1. Sign face shall be engineer grade reflective vinyl 3D or equal.

2. Reflective vinyl colors shall be:
   - 3m 280-10 (white or equal)
   - 3m 280-77 (green or equal)
   - 3m 280-76 (light blue or equal)

3. Sign material shall be .08" thick aluminum.

4. Informational sign below Reserved Parking sign varies. See 8d.11 for other examples.

5. Font style shall be Helvetica Medium.

6. Sign shall be mounted on single post. See 5.51 for mounting and footing details.
4.9 Miscellaneous Regulatory Signage
Below Handicap Parking Sign

1. Sign face shall be engineer grade reflective vinyl 3D or equal.
2. Reflective vinyl colors shall be:
   3m 280-10 (white or equal)
   3m 280-77 (green or equal)
   3m 280-76 (light blue or equal)
3. Sign material shall be .08” thick aluminum.
4. Informational sign below Reserved Parking sign varies. See 8d.11 for other examples.
5. Font style shall be Helvetica Medium.
6. See 8d.10 for sign mounting height and location.
5.1 General Notes:

1. All letters and numbers to be Helvetica medium unless otherwise noted.
2. Refer to signage type drawings shown for sign details and sizes.
3. Refer to sample key plans and enlarged floor plans for signage locations.
4. Whenever door mounted signs are provided at pairs of doors, always mount on active leaf unless otherwise noted. Submit proposed alternate sign size whenever a single door leaf cannot accommodate the standard size.
5. Submit proposed alternate locations of door mounted signs for WMATA review and approval when ever glazed doors have been provided.

Materials Legend:

- **PE/S** Porcelain enameled steel with porcelain enamel graphics.
- **PE/S–RV** Porcelain enamel steel with porcelain enamel graphics and shop–or–field applied reflective vinyl graphics. (Shop–apply graphics unless noted otherwise in remarks.)
- **PTD/SP** Painted exterior grade solid polymer. Use epoxy based primer and base.
- **RV/A** Reflective vinyl graphics shop applied to aluminum.
- **ABRV** Adhesive backed reflective vinyl.
RIGHT OF WAY GRAPHICS

5.2 Sample Site Key Plan
5.3 Sample Building Key Plan
RIGHT OF WAY GRAPHICS

5.4 Sample Stair Key Plan

Sample Stair Key Plan
5.5 Service Room Identification Signs

Notes for Service Room Doors:
1. Signs to be porcelain enamel on 16-gauge steel.
2. Grounds and edges to match FS 20040 brown unless otherwise noted.
3. Copy to be white.
4. Signs to be mounted on doors with #8 hollow metal screws.
5. Signs to have continuous clear silicone sealant perimeter beads. Excess to be immediately removed.
6. Signs to be mounted on operating leaves of double doors.
7. Use the following WMATA room numbering convention:

8. Abbreviate room names on exterior doors of ancillary buildings.
9. Provide room number only at revenue cart storage rooms.

---

1B 5.5.1 – Door Directional Sign Type 1

1A 5.5.2 – Door Directional Sign Type 2
Typical Door Sign Mounting Details

These graphics depict typical sign mounting heights.
RIGHT OF WAY GRAPHICS

5.7 Door Exit Signs

1. Signs shall be .08” thick aluminum with porcelain enamel.
2. All text shall be Helvetica Medium upper and lower case letters as shown.
3. All text and disks shall be white on red background.
4. Mount all signs with metric allen head fasteners: 4 equally spaced top and bottom on 2'-10" long signs; 1 fastener at each corner on smaller signs.
5. All signs shall be 2'-10" long unless otherwise noted.
6. Contractor shall field measure all fire equipment cabinet doors for exact dimensions of signs.
7. At double doors signs are always to be installed on active door leaf. Contractor shall verify active door leaf prior to installation.
8. Service room door inscriptions in public spaces should be silk screened directly on door.

5.7.1 Door Exit Sign Type 1

5.7.2 Door Exit Sign Type 2

5.7.3 Door Exit Sign Type 3

5.7.4 Door Exit/Directional Sign
5.8 Area Of Rescue Assistance Identification Sign

Notes for Service Room Doors
1. Signs to be porcelain enamel on 16-gauge steel.
2. Grounds and edges to match FS 20040 brown unless otherwise noted.
3. Copy to be white.
4. Signs to be mounted on doors with #8 hollow metal screws.
5. Signs to have continuous clear silicone sealant perimeter beads. Excess to be immediately removed.
6. Signs to be mounted on operating leaves of double doors
7. Use the following WMATA room numbering convention:

8. Abbreviate room names on exterior doors of ancillary buildings.
9. Provide room number only at revenue cart storage rooms.
5.9 Raised Letter & Braille Signs

Notes for Raised Letter & Braille sign:
1. Signs to be 1/4" thick aluminum.
2. Grounds, Braille and edges to match PMS 185 red.
3. Copy to be white, Helvetica medium raised letters.
4. Signs to be stud-mounted to concrete wall with minimum penetration depth of 3/4"; sign penetration of 1/8".
5. Signs to have continuous clear silicone sealant perimeter beads. Excess to be immediately removed.
6. Mounting height: each raised letter and Braille sign to be mounted at 5’–0” from top of finished floor to horizontal centerline of sign.
7. Coordinate exact location of sign with WMATA.
5.10 Room Identification Signs

1. Signs shall be 1/4" thick exterior grade solid polymer.
2. Copy shall be white, raised letters on metro brown background.
3. Signs shall have continuous clear silicone sealant perimeter beads. Excess to be removed.
4. Mounting height: each raised letter and Braille sign to be mounted at 5’-0” from top of finished floor to horizontal centerline of sign.
5. Coordinate exact location of sign with WMATA.

5.10.1 – Room ID Sign Type 1
5.10.2 – Room ID Sign Type 2
RIGHT OF WAY GRAPHICS

5.11 Gate Sign

1. Alpha numeral system used to identify each gate: A–Z, AA–ZZ, AAA–ZZZ for each area as required.

2. Letters will indicate gate and track.

3. Numbers will indicate first three digits of stationing number.

4. Sign to be mounted adjacent to each gate on outside of all R.O.W. Fences and at sound wall gates.
5.12 Building Address Sign

1. Verify all addresses with MNPCC and P.G. County emergency communications.
2. These signs are installed at entrances to auxiliary buildings.
Building Identification Signs

1. Sign Type 3B is typically mounted on the front of ancillary buildings in an area that is clearly visible from the street.
2. Sign Type 3C is typically mounted above exterior door openings and centered above the door.
3. Signs shall be .08" thick painted aluminum.
4. Copy and border to be die–cut white reflective scotchlite 2290 by 3M or approved equal.
5. Copy to be centered in space.
6. Copy to be Helvetica Medium capital letters.
7. Background and edges to match federal specifications 20040 brown.
8. Washers shall be nylon and installed on both sides of sign.
5.14 Building Identification Signs – Cast Aluminum Lettering

These letters may be installed in concrete, granite or brick walls. Installation in brick wall shown.

5.14.1 – Elevation at Building Wall

5.14.2 – Mounting Detail

5.14.3 – Elevation
5.15 To Tunnel Sign

1. 0.08 steel signs with porcelain enamel graphics.
2. This sign is installed on walls and doors in ancillary spaces leading to tunnels.
RIGHT OF WAY GRAPHICS

5.16 Exit Directional Sign

1. Signs shall be .08" porcelain enamel on aluminum.
2. Text shall be white on red background.
3. Font shall be Helvetica Medium.
4. Reflective vinyl red arrow on white disk; field applied.
5. 1/4" diameter holes at all four corners of sign; 1" from vertical and horizontal sign edges.
5.17 Shaft Identification Sign

1. 0.08 steel signs with porcelain enamel graphics.
2. This sign is installed near access hatches.
5.18 Street Location Sign

1. 0.08 steel signs with porcelain enamel graphics.
2. This sign is installed in tunnels at fan and vent shafts and emergency exits.
RIGHT OF WAY GRAPHICS

5.19 Distance And Direction Sign

1. 0.08 steel signs with porcelain enamel graphics.
2. This sign is wall mounted in tunnels every 800'-0" across from safety walks.
5.20 OHSA “Danger High Voltage” Sign Type 1

1. 0.08 steel signs with porcelain enamel graphics.
2. Signs to be installed on fencing every 200’–0” and including one on each access gate. Signs to face outside right-of-way.
3. “DANGER” to be centered about vertical axis of panel.
4. See 5.53 for attachment details.
5.21 OHSA “Danger High Voltage” Sign Type 2

1. 0.08 steel signs with porcelain enamel graphics.
2. Signs to be installed on fencing every 200’–0” and including one on each access gate. Signs to face outside right-of-way.
3. “DANGER” to be centered about vertical axis of panel.
4. See 5.53 for attachment details.
RIGHT OF WAY GRAPHICS

5.22 Danger Live Track/Third Rail Sign

1. 0.08 steel signs with porcelain enamel graphics.
2. Signs to be installed on fencing every 200'–0" and including one on each access gate. Signs to face outside right-of-way.
3. “DANGER” to be centered about vertical axis of panel.
5.23 Hatch Opening Sign

1. Signs are porcelain enamel on .08” thick aluminum.
2. Font style for all text shall be Helvetica Medium.
3. Align all graphics and text as shown.
4. This sign is installed on the tunnel side of hatch openings.
RIGHT OF WAY GRAPHICS

5.24 Danger Sign

1. Sign shall be adhesive backed reflective vinyl.
2. Signs to receive ultraviolet inhibitor coat.
3. Signs shall be installed on third rail cover board every 100 feet in tunnels and every 200 feet in stations.
5.25 No Exit Sign

1. 0.08 steel signs with porcelain enamel graphics.
2. Signs to be installed on doors which do not lead to and exit.
5.26 No Clearance Sign

1. 0.08 steel signs with porcelain enamel graphics.
2. Signs to be installed on aerial structures every 50 feet on pipe rail or barrier facing track bed.
5.27 Standpipe Identification Sign

1. 0.08 steel signs with porcelain enamel graphics.
2. Drill 3/8” diameter holes at all four sign corners as shown.
3. Signs to be installed on surface standpipe.

5.27.1 – Standpipe Identification Type 1

5.27.2 – Standpipe Identification Type 2
RIGHT OF WAY GRAPHICS

5.28 Safety Walk Standpipe I.D. Sign

1. Signs shall be reflective vinyl on both sides of .08” thick aluminum.
2. Black text and graphics on white background.
3. Signs to be installed in tunnels or R.O.W. opposite fire hose valve.
5.29 Track Identification Signs

1. Signs to be installed in tunnels at shafts and where tracks are different levels.

5.29.1 – Track Identification Sign Type 1

5.29.2 – Track Identification Sign Type 2
5.30 Emergency Tunnel Evacuation Sign

1. Sign to be screen printed red.

2. Copy and graphic to be screen printed transparent red to match PMS 185 white.

3. Sign to be 0.08" aluminum with surface screen printed reflective vinyl for wall mounted condition.

4. Sign to be surface screen printed reflective vinyl for door or cabinet mounted condition.

5. 3/8" holes at all four corners for wall mounting condition.

6. Clear coat with ultra-violet inhibitors.

7. Signs to be installed at ETEC cart locations and ETEC cabinet doors.
5.31 Fire Equipment Cabinet Sign

1. 0.08" STEEL SIGN WITH porcelain enamel finish.
2. Ground to match PMS 185 red.
3. Copy to be white.
4. Sign to be installed at fire equipment cabinets.
5.32 Track & Stationing Number Signs

1. Mounting holes are 3/8” diameter (typical).
2. Signs are porcelain enamel on .08” aluminum.
3. Sign colors shall be reflective vinyl.
4. Sign background shall be white.
5. Sign text shall be black, Helvetica Medium font.
6. Signs to be installed in tunnels and R.O.W. every 100 feet in ascending sequence from Metro Center Station.
5.33 Path Identification Sign

1. Signs to be installed new street curbs to direct entrances to shafts.
5.34 Standpipe Location Sign

1. Signs to be on post or wall near siamese standpipes.
5.35 Portal Identification Sign

1. Signs to be installed on railing or wall beyond platform.
5.36 Portal Identification Sign

1. Signs to be installed on railing or wall beyond platform.
5.37 Warning Sign

1. Sign material to be adhesive backed reflective vinyl.
2. Sign to be installed on all doors at tie breaker and traction power substations.
5.38 Chemical Warning Sign

1. Sign material to be adhesive backed reflective vinyl.
5.39 Exit Sign

1. Sign to be porcelain enamel on .08” thick aluminum.
2. Install on interior face of exterior doors.
3. See 5.6, 5.7 and 5.8 for mounting details and other exit sign types.
5.40 Combustible Storage Sign

1. Sign to be porcelain enamel on .08” thick aluminum.
2. Install sign at cleaner’s rooms and water service rooms.
**RIGHT OF WAY GRAPHICS**

**5.41 Restricted Area, Authorized Personnel Only Sign**

1. Sign fonts shall be Helvetica Medium.
2. Letters shall be O.S.H.A. blue (S.W. B69 LA 23 or equal).
3. Signs shall be porcelain enamel on aluminum.
4. Sign background shall be white.
5. Center all graphics on centerline of sign panel as shown.

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**Restricted Area Authorized Personnel Only**

For access call System Maintenance (202) 962-1797
5.42 Power System Graphics – Type 1

Sample Track Information Below:

Addison Road TPSS
481+50 TRK 1 AND TRK 2
485+88 TRK 1 AND TRK 2
540+42.5 TRK 1 AND TRK 2
545+95 TRK 1 AND TRK 2
546+15 DBL X-OVER, TRK 1 AND TRK 2

Morgan Boulevard TPSS
549+45 TRK 1 AND TRK 2
549+85 DBL X-OVER, TRK 1 AND TRK 2
557+37.5 TRK 1 AND TRK 2
618+44 TRK 1 AND TRK 2
618+64 DBL X-OVER, TRK 1 AND TRK 2

Largo TPSS
621+88 DBL X-OVER, TRK 1 AND TRK 2
622+08 TRK 1 AND TRK 2
630+00 TRK 2
633+05 TRK 1
639+37 TRK 2
639+93 TRK 2, SGL X-OVER
641+03 TRK 1, SGL X-OVER
641+03 TRK 1
641+35 TRK 2
642+99 TRK 1
643+79 TRK 3

CONVENTION: TRACK 1 (OB) uses yellow and blue, TRACK 2 (IB) uses green and orange, TRACK 3 (POCKET) uses black. All signs are designed for out board wall/fence mounting. Inboard and outboard signs are mirror images of each other.

Install these signs in tunnels and R.O.W. on both sides of every interlocking.

5.42.2 Power System Graphics Type 1
5.43 Power System Graphics – Type 2

1. Mounting holes are 3/8” diameter (typical).
2. Signs are porcelain enamel on .08” aluminum.
3. Triangles shall be reflective vinyl. Color varies, see project specifications.
4. Sign background shall be white.
5. See page 5.44 for sample layouts.
6. Install these signs in tunnels and R.O.W. on both sides of every interlocking.
5.44 Power System Graphics Examples

1. Convention:
2. Track 1 (OB) uses yellow and blue
3. Track 2 (IB) uses green and orange
4. Track 3 (POCKET) uses black.
5. All signs are designed for out board wall/fence mounting. Inboard and outboard signs are mirror images of each other.
5.45 Fence Mounting Details

1. Mount signs 6" below top of existing fence.
RIGHT OF WAY GRAPHICS

5.46  Wall Mounting Details

5.46.1 – Channel Wall Mounting – Elevation

5.46.2 – Direct Wall Mounting – Section

5.46.3 – Channel Wall Mounting Detail – Section
5.47 Post Mounting Details

5.47.1 – Post Mounting Detail – Plan

5.47.2 – Post Mounting @ Concrete Base – Detail
5.48 Rail Mounting Details

5.48.1 – Rail Mounting – Detail

5.48.2 – Rail Mounting Detail – Elevation

5.48.3 – Rail Mounting Section
5.49 Sign Tube Mounting Details

1. All signs mounted on 2” square O.D. 11 gauge steel tubing.
3. Vertical steel tubing length varies and shall be continuous steel.
4. Concrete footings shall be 8” diameter when 2” O.D. posts are used and 12” diameter when 4” O.D. posts are used.
5. Sign width and height varies, see post schedule below.

<table>
<thead>
<tr>
<th>POST SCHEDULE</th>
<th>Sign Width</th>
<th>No. Posts</th>
<th>Post O.D.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less than 15”</td>
<td>1</td>
<td>2”</td>
<td></td>
</tr>
<tr>
<td>15” – 30”</td>
<td>1</td>
<td>4”</td>
<td></td>
</tr>
<tr>
<td>30” – 36”</td>
<td>2</td>
<td>2”</td>
<td></td>
</tr>
<tr>
<td>36” – 48”</td>
<td>2</td>
<td>4”</td>
<td></td>
</tr>
</tbody>
</table>
5.50  Sign Tube Mounting Details, cont'd
See 5.49 for balance of construction notes.
5.51 Wall And Column Mounting Details

1. Use detail 5.51.4 when it is desired to have no visible fasteners on aluminum sign faces, sign panels to be welded to support angle on backside of sign face.
5.52 Mounting System Hardware Details

1. Countersunk screws shall penetrate wall to a minimum depth of 2". Use Hilti HPS impact anchors or equal; inserted or drilled into holes.

5.52.1 Wall Sign Mounting Section

5.52.2 Wall Sign Mounting Location Detail
5.53 No Trespassing Sign for Platform End Gates

1. Sign shall be screen printed porcelain enamel on 1/8" thick aluminum.
2. Field verify existing swing gates for steel pipe diameter, cross bars, conditions may vary.
3. See 5.54 for mounting details.
5.54 No Trespassing Sign for Platform End Gates – Mounting Details

5.54.1 – Sign Mounting Location

5.54.2 – Mounting Detail

5.54.3 – Mounting Detail

1/4" Ø 2" THREAD SST STUD FASTENER WELD TO BACK OF SIGN W/ SST LOCK NUT AND FLAT WASHER

PLASTIC PROTECTIVE END CAP, COLOR TO MATCH

1/4" Ø METRIC ALLEN ROUNDHEAD FASTENERS (TYP) W/ WASHERS AND PAINTED TO MATCH

EXIST. CRUCIFORM PIPE - RAIL OF GATE
5.55 **Authorized Personnel Only Braille Sign**

1. All letters shall be Helvetica Medium font.
2. Sign plate to be pin mounted on walls. See 5.56.2 for pin mounting detail.
3. Sign shall be .125" thick aluminum.
4. See 5.57.2 for mounting height detail.
5. Signs may be mounted on platform end swing gates. See 5.58 for details.
6.1 Next Bus Sign

1. Signs are located on the bus stop flag poles below the WMATA bus stop flag. The sign shown is 10" diameter, typical.

2. Signs are also located on the Next Bus Audio devices as shown. The sign mounted on the audio device is 4.75" diameter, typical.
6.2 Bus Information Maps

1. Bus Information maps shall be installed in rail stations on the free side of the faregates, near kiosks. It is preferable to have these signs mounted at a location visible from the kiosk.
6.3 **Bus Flag**

1. Graphics and colors are to be included on both sides of sign.
2. All copy shall be Helvetica except “metrobus”, which shall be Helvetica Medium, as shown.
3. Sign shall be 1/8” thick fiberglass reinforced plastic.
4. Steel channel shall be painted white.
7.1 System Map

1. Systems maps are typically located on mezzanines, platforms and metro trains. They are typically located on both the free and paid sides of mezzanines visible from the station kiosks. They are also located on platforms in map cases. On metro trains they are located near the train doors. A small version of the system map is located on the Emergency Evacuation Instructions sign, see 8d.18.

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
<th>Location</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>System Maps - Mezzanine</td>
<td>Map cases and telephone map cases</td>
<td>33 ½&quot; X 48 3/4&quot;</td>
</tr>
<tr>
<td>A.1</td>
<td>System Maps - Mezzanine</td>
<td>Signage Pilot map cases</td>
<td>2'-0&quot;x2'-6&quot; +/-</td>
</tr>
<tr>
<td>A.2</td>
<td>System Maps - Train</td>
<td>Opposite ends of the car</td>
<td>31 1/4&quot; X 36 1/2&quot;</td>
</tr>
<tr>
<td>B</td>
<td>System Maps - Platform</td>
<td>Map cases</td>
<td>31&quot; X 43&quot;</td>
</tr>
<tr>
<td>B.1</td>
<td>System Maps - Platform</td>
<td>Signage Pilot map cases</td>
<td>2'-0&quot;x2'-6&quot;</td>
</tr>
</tbody>
</table>
MAP GRAPHICS

7.2 Area Maps

1. Area maps are installed in stations on mezzanines and platforms.
2. The area maps are typically installed in map cases next to public telephone booths on both the paid side and free side of the station near faregates.
3. On platforms they are installed in map cases near the center of the stations.
4. These maps are updated bi-yearly by an outside vendor.
5. Mezzanine maps are 33.5" wide x 48.75" tall.
6. Platform maps are 31" wide x 43" tall.