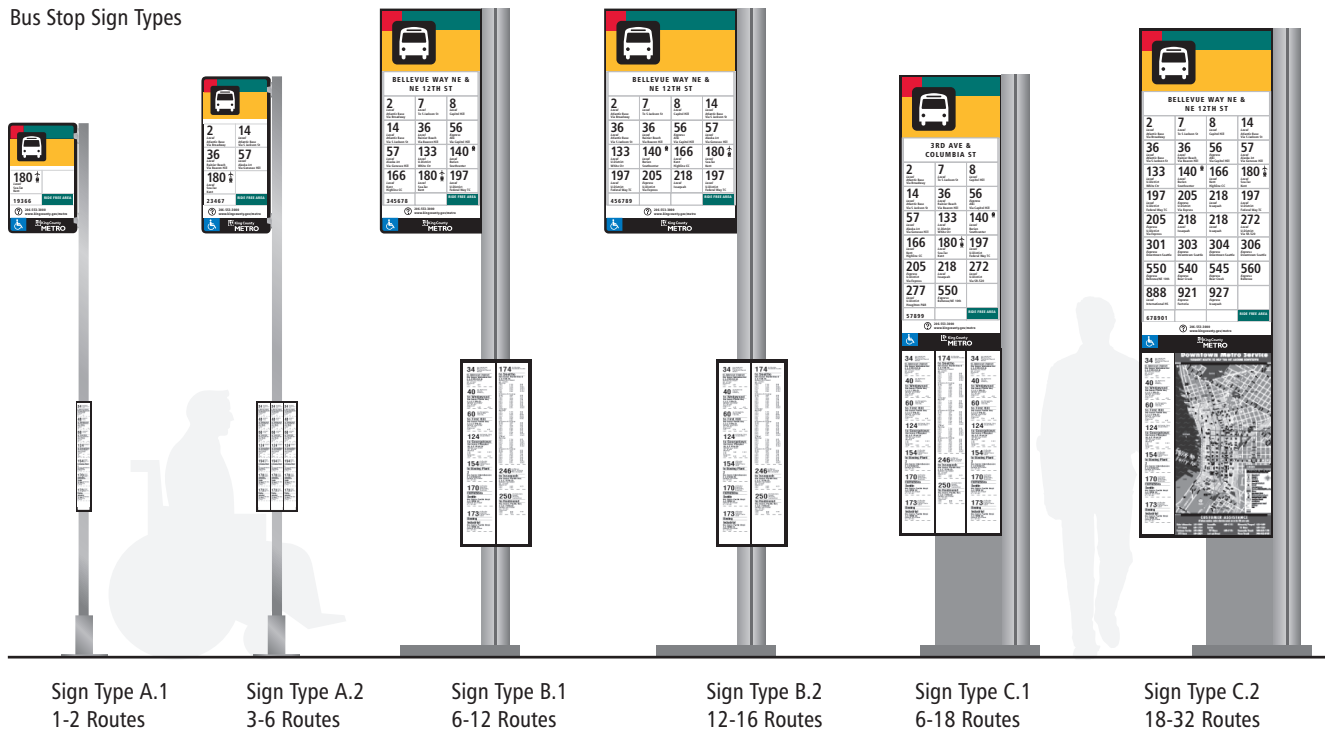


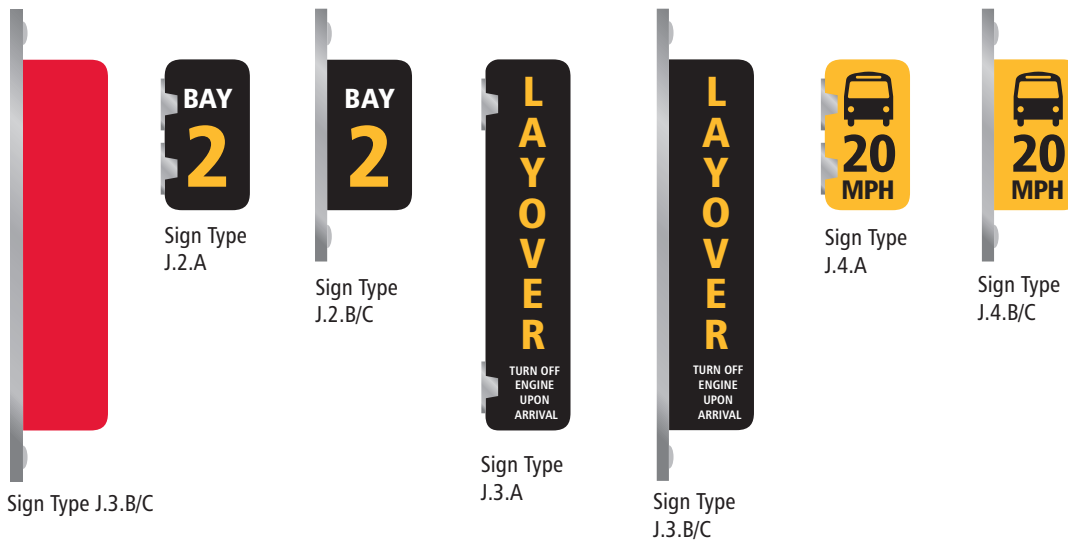
## SECTION 1: TABLE OF CONTENTS

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## Bus Stop Sign Types



## Accessory Bus Stop Sign Types



**Design Rationale:** A family of signs has been developed in order to simplify Metro's process for ordering new signs and replacing existing signs. The color palette and graphic design has been created to enhance and compliment Metro's current bus paint schemes. The sign program features groupings of information for each bus route that is

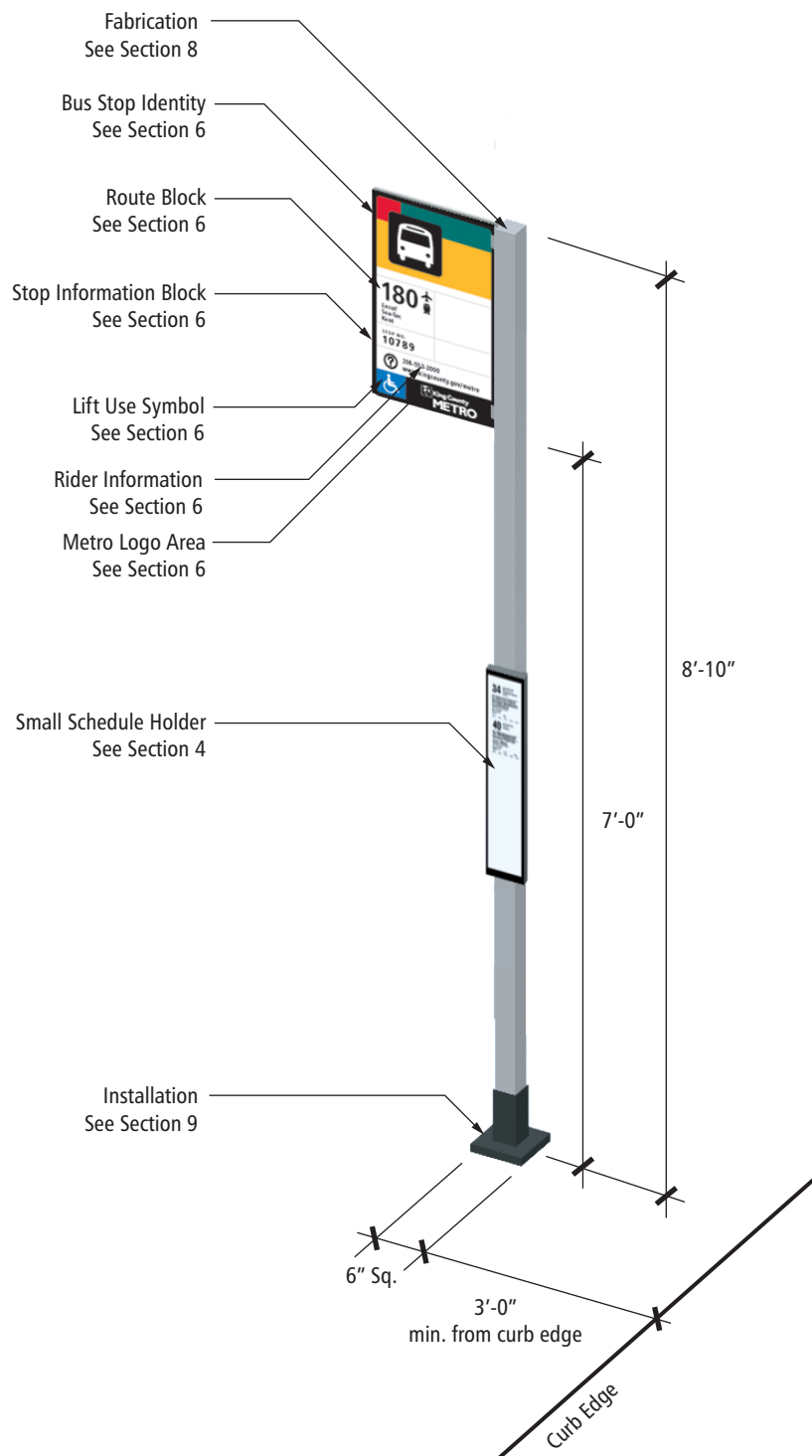
applied to each sign type. The primary grouping is contained within a consistently sized graphic called a "Route Block". The Route Block's size is the core of the sign system and determines the overall sign face size for all bus stop sign types. A Route Block's height and width dimensions do not change and forms a standard module applied

consistently through each sign type variation. Each Route Block contains a bus route number, bus route destination, and route modifier. See Section 6 for further Route Block information.

**Route Quantities/Determining Use:** The number of route blocks needed for an individual zone is the primary determining factor for choosing a sign type. Besides the number of routes determining the size of a sign at a particular zone, the amount of additional transit related material, such as maps, fare information, tunnel information, and current events should be considered, especially at high traffic locations. The A.1 and A.2 sign types are to be used for the majority of Metro's system. When route block quantities per zone increase to more than a sign type A.2 can display (6 routes), a sign type B.1 or C.1 should be used. See "Location Planning" for assistance with choosing which to use.

**Location Planning:** Under typical location circumstances, sign types A.1 and A.2 are to be located in neighborhood settings. Sign Types B.1 and B.2 are to be used in SODO, urban neighborhoods and University of Washington locations. Sign Types C.1 and C.2 are to be used in downtown, transit center, Sea-Tac Airport and Freeway Station locations.

**Accessory Sign Types:** A smaller sized family of signs for customer and operator information and direction is part of this system. Accessory sign types are designed to install to any bus stop sign's post at heights planned for typical viewing angles. Sometimes these signs are used by operators and customers, such as a bus bay number sign. In these instances, installation and sign content legibility have been tested from boarding and operator viewing angles. Should the need arise for using more than 1 accessory sign per zone, see Page 1.14 for installation and hierarchy instructions.



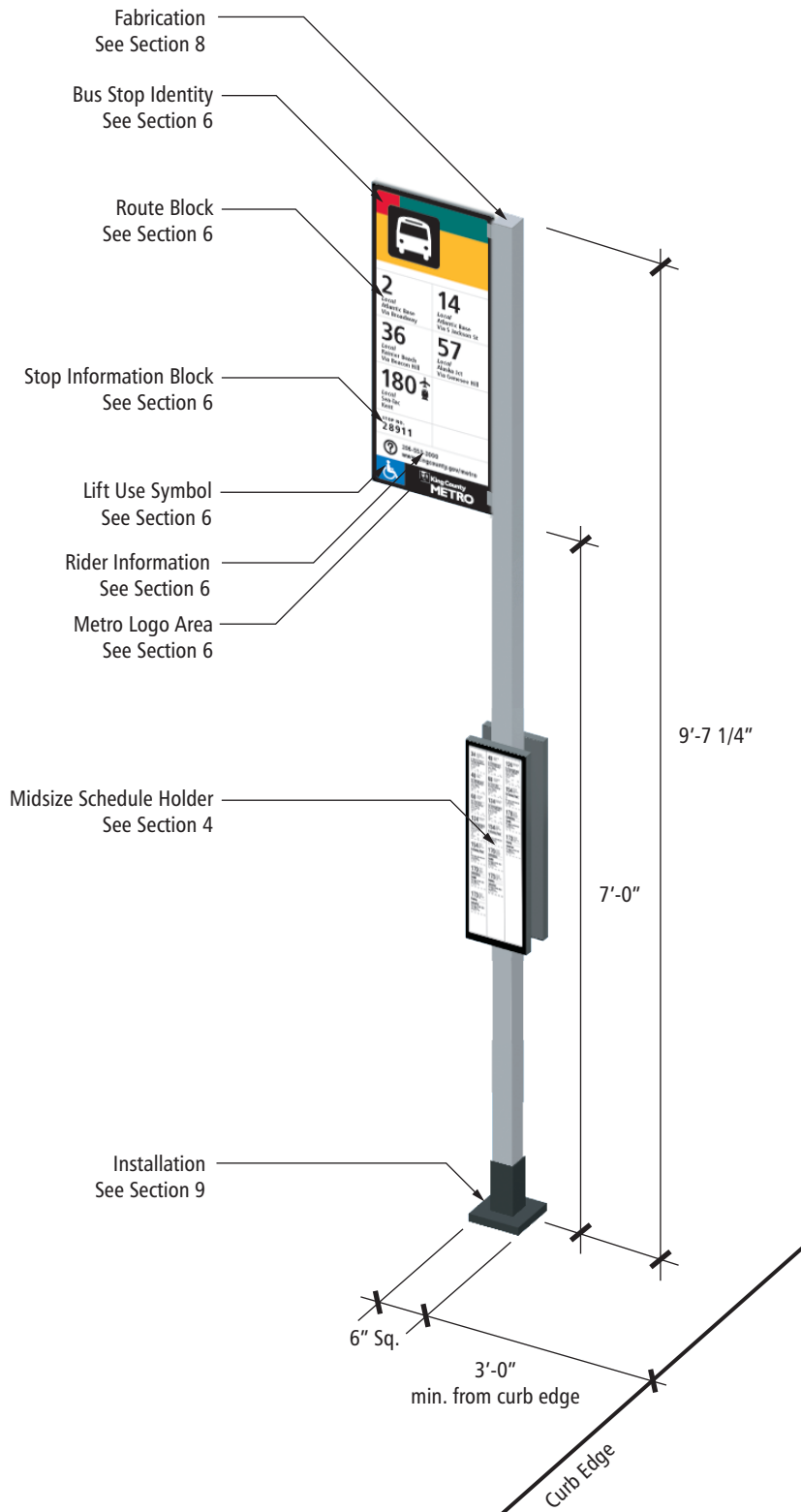
**Location:** Neighborhood sidewalks and utility poles.

**Route Quantities:** 1 - 2

**Schedule Holder:** Single sided, single column, insert size: 2 9/16" X 21 3/8". Insert quantity: 1

**Fabrication:** Double-sided digitally printed graphics on reflective vinyl applied to aluminum panel. Panel connects to 2"x2"galvanized aluminum tube with Metro standard brackets.

**Installation:** A sidewalk installation uses a break-away galvanized aluminum baseplate anchor bolts set in concrete sidewalk 3'-0" from curb edge. The sign's pole side faces the curb and it's panel side faces away from curb edge. A utility pole installation uses Metro standard pole straps around pole. Straps attach to panel with standard brackets.



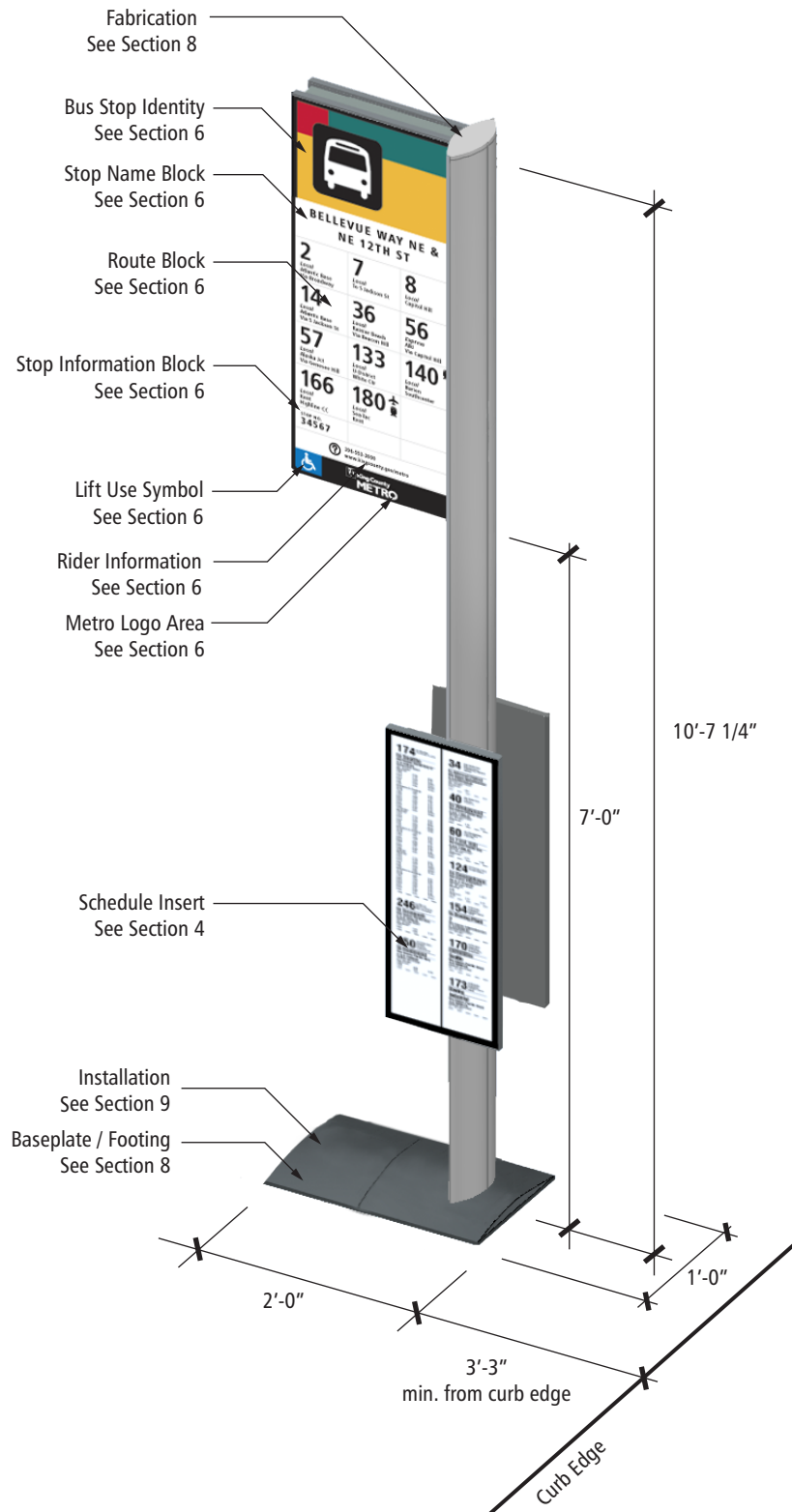
**Location:** Neighborhood sidewalks and utility poles.

**Route Quantities:** 3 - 6

**Schedule Holder:** Double sided, triple column, insert size: 2 9/16" X 21 3/8", insert quantity: 6

**Fabrication:** Double-sided digitally printed graphics on reflective vinyl applied to aluminum panel. Panel connects to 2"x2" galvanized aluminum tube with Metro standard brackets.

**Installation:** A sidewalk installation uses a break-away galvanized aluminum baseplate anchor bolts set in concrete sidewalk 3'-0" from curb edge. The sign's pole side faces the curb and it's panel side faces away from curb edge. A utility pole installation uses Metro standard pole straps around pole. Straps attach to panel with standard brackets.



**Location:** Use at SODO, urban neighborhoods, University of Washington bus stops. Install 3'-3" from curb edge. Pole side faces curb.

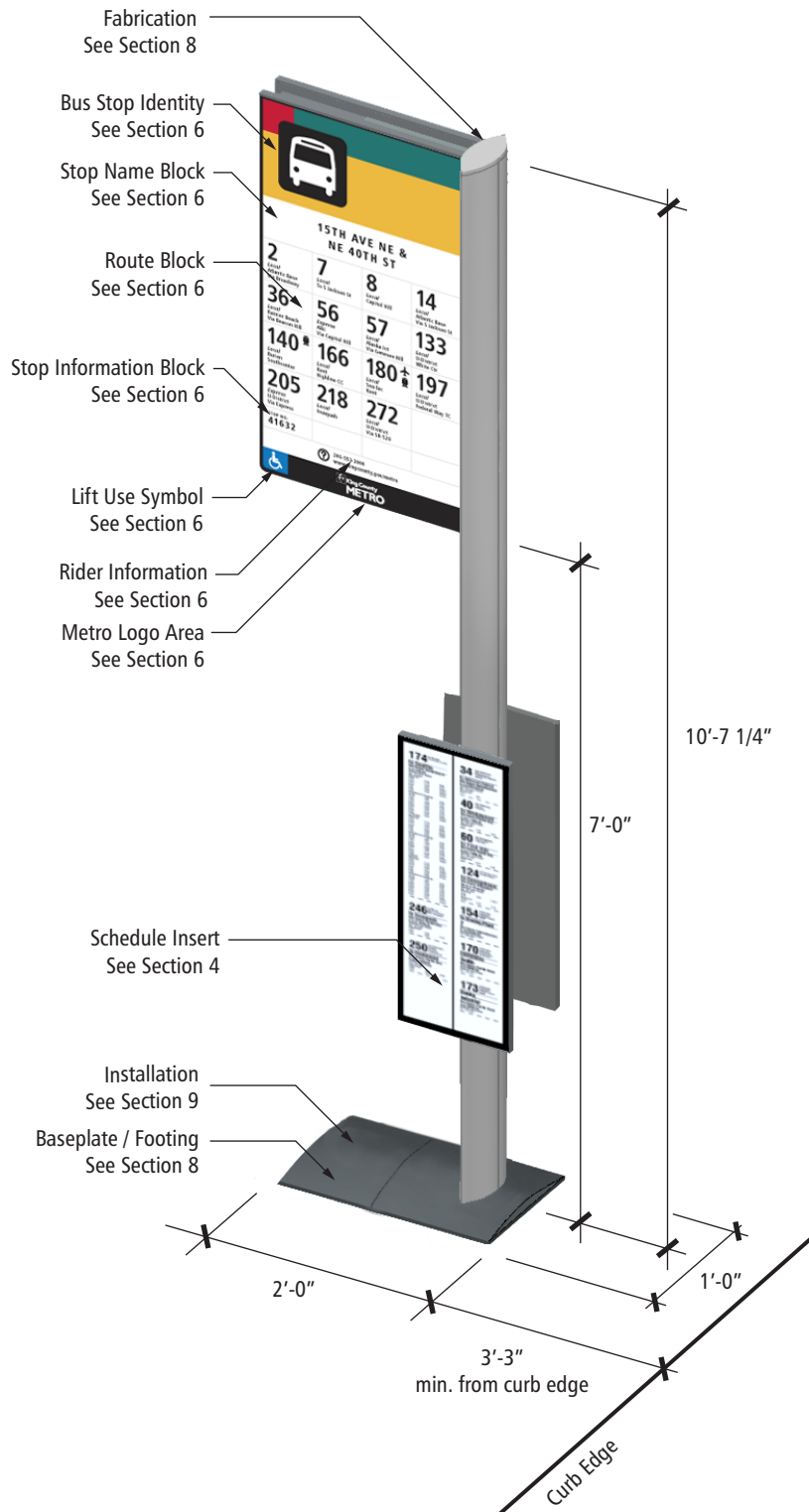
**Route Quantities:** 7 - 12

**Sign Cabinet Fabrication:** Painted aluminum box with double sided digitally printed graphics on reflective vinyl. Changeable route block graphics are applied to extruded aluminum tiles that slide in/out on extruded aluminum tracks.

**Pole Fabrication:** Structural steel pole attaches to baseplate and is clad in 2-piece aluminum extrusion and aluminum top cap.

**Schedule Display Fabrication:** 2 Changeable aluminum display cases with removable clear windows. Insert size: 5 5/8" x 35 7/8". Insert quantity: 2 in each case.

**Installation:** Steel baseplate mounts with anchor bolts set in foundation 3'-3" from curb edge. Pole side faces curb and panel side faces away from curb edge.



**Location:** Use at SODO, urban neighborhoods, University of Washington bus stops. Install 3'-3" from curb edge. Pole side faces curb.

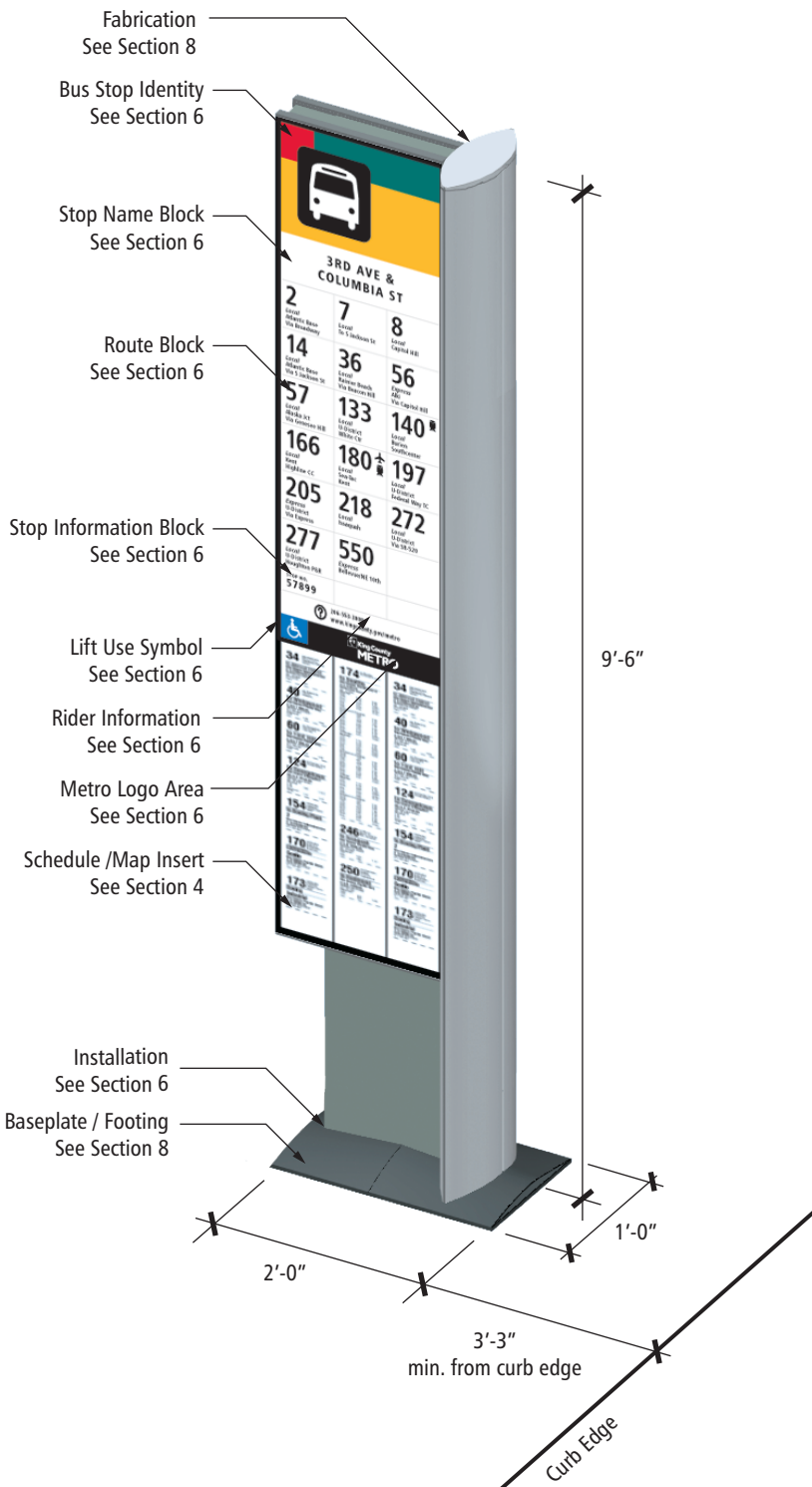
**Route Quantities:** 13 - 16

**Sign Cabinet Fabrication:** Painted aluminum box with double sided digitally printed graphics on reflective vinyl. Changeable route block graphics are applied to extruded aluminum tiles that slide in/out on extruded aluminum tracks.

**Pole Fabrication:** Structural steel pole attaches to baseplate and is clad in 2-piece aluminum extrusion and aluminum top cap.

**Schedule Display Fabrication:** 2 Changeable aluminum display cases with removable clear windows. Insert size: 5 5/8" x 35 7/8". Insert quantity: 2 in each case.

**Installation:** Steel baseplate mounts with anchor bolts set in foundation 3'-3" from curb edge. Pole side faces curb and panel side faces away from curb edge.



**Location:** Use at downtown, transit centers, Sea-Tac Airport, freeway station bus stops. Install 3'-3" from curb edge. Pole side faces curb.

**Route Quantities:** 7 - 18

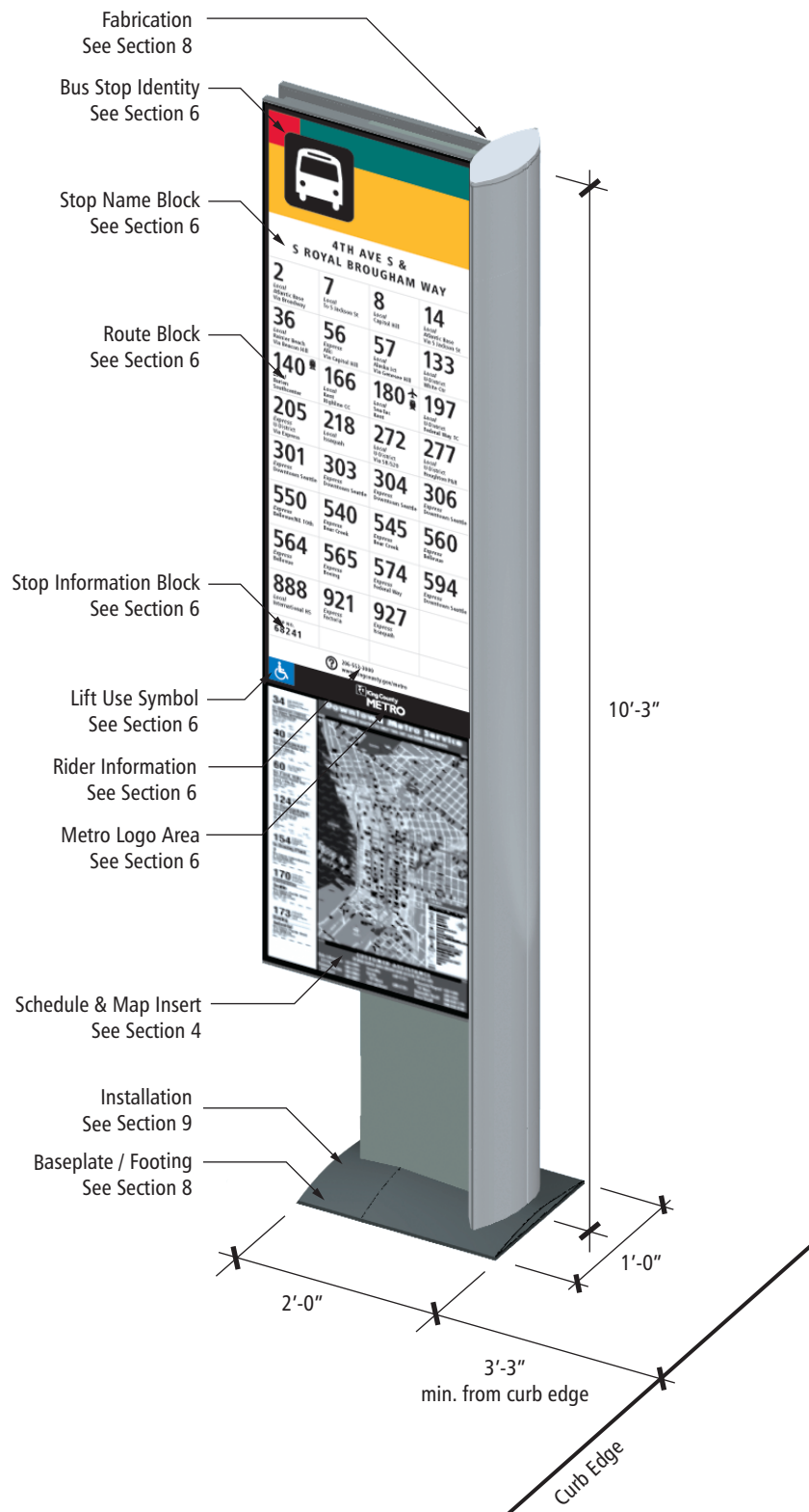
**Sign Cabinet Fabrication:** Painted aluminum box with double sided digitally printed graphics on reflective vinyl. Changeable route block graphics are applied to extruded aluminum tiles that slide in/out on extruded aluminum tracks.

**Pole Fabrication:** Structural steel pole attaches to baseplate and is clad in 2-piece aluminum extrusion and aluminum top cap.

**Schedule Display Fabrication:** Aluminum display case with removable clear window. Insert size: 18" x 36". Insert quantity: 1 in each case.

**Installation:** Steel baseplate mounts with anchor bolts set in foundation 3'-3" from curb edge. Pole side faces curb and panel side faces away from curb edge.





**Location:** Use at downtown, transit centers, Sea-Tac Airport, freeway station bus stops. Install 3 feet, 3 inches from curb edge. Pole side faces curb.


**Route Quantities:** 19 - 32

**Sign Cabinet Fabrication:** Painted aluminum box with double sided digitally printed graphics on reflective vinyl. Changeable route block graphics are applied to extruded aluminum tiles that slide in/out on extruded aluminum tracks.



**Pole Fabrication:** Structural steel pole attaches to baseplate and is clad in 2-piece aluminum extrusion and aluminum top cap.

**Schedule Display Fabrication:** Aluminum display case with removable clear window. Insert size: 24" x 36". Insert quantity: 1 in each case.


**Installation:** Steel baseplate mounts with anchor bolts set in concrete sidewalk 3'-3" from curb edge. Pole side faces curb and panel side faces away from curb edge.

Horizontal Method   
Route Numbers in ascending order  
from left to right, top to bottom



Lowest  
Number

<b>19</b> <i>Local</i> West Magnolia Via Seattle Ctr	<b>24</b> <i>Local</i> Discovery Park Via Seattle Ctr	<b>33</b> <i>Local</i> East Magnolia Via Seattle Ctr
<b>84</b> <i>Local</i> Madison Park Via Pike St	<b>140</b>  <i>Local</i> Burien Southcenter	<b>180</b>  <i>Local</i> Sea-Tac Kent
<b>280</b> <i>Express</i> Reunion Via I-5, SR-520	<b>401</b> <i>Local</i> Lynnwood TC Via I-5	<b>402</b> <i>Express</i> Lynnwood TC Via I-5
<b>404</b> <i>Local</i> Edmonds Via I-5	<b>405</b> <i>Express</i> Edmonds Via I-5	<b>408</b> <i>Local &amp; Express</i> Mountlake Terrace Via I-5
<b>410</b> <i>Local</i> Mariner P&R Via I-5, 128th St	<b>411</b> <i>Express</i> Mariner P&R Via I-5, 128th St	<b>414</b> <i>Local</i> McCullum Park P&R Via I-5
<b>417</b> <i>Local</i> Mukilteo Via I-5	<b>422</b> <i>Local</i> Stanwood Via I-5	

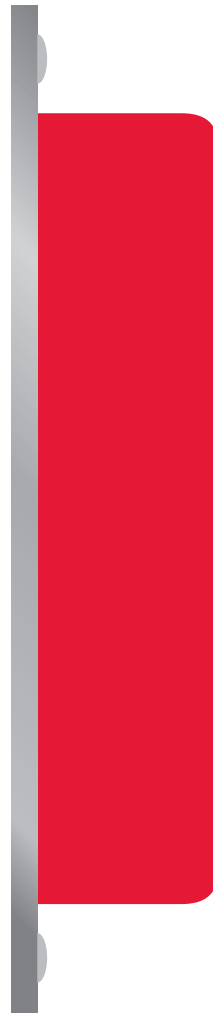
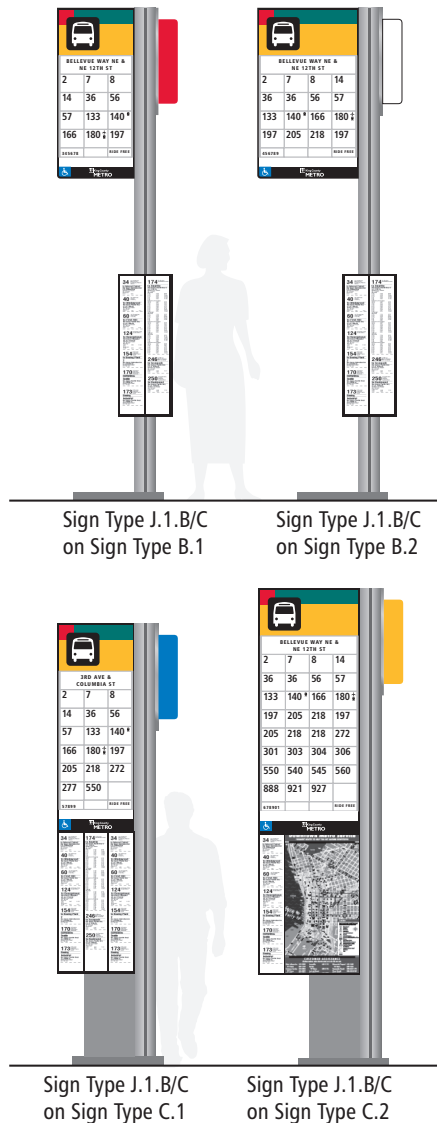
Highest  
Number

Vertical Method   
Route Numbers in ascending order  
from top to bottom, left to right

Lowest Number

<b>19</b> <i>Local</i> West Magnolia Via Seattle Ctr	<b>280</b> <i>Express</i> Reunion Via I-5, SR-520	<b>410</b> <i>Local</i> Mariner P&R Via I-5, 128th St
<b>24</b> <i>Local</i> Discovery Park Via Seattle Ctr	<b>401</b> <i>Local</i> Lynnwood TC Via I-5	<b>411</b> <i>Express</i> Mariner P&R Via I-5, 128th St
<b>33</b> <i>Local</i> East Magnolia Via Seattle Ctr	<b>402</b> <i>Express</i> Lynnwood TC Via I-5	<b>414</b> <i>Local</i> McCullum Park P&R Via I-5
<b>84</b> <i>Local</i> Madison Park Via Pike St	<b>404</b> <i>Local</i> Edmonds Via I-5	<b>417</b> <i>Local</i> Mukilteo Via I-5
<b>140</b>  <i>Local</i> Burien Southcenter	<b>405</b> <i>Express</i> Edmonds Via I-5	<b>422</b> <i>Local</i> Stanwood Via I-5
<b>180</b>  <i>Local</i> Sea-Tac Kent	<b>408</b> <i>Local &amp; Express</i> Mountlake Terrace Via I-5	

Highest  
Number



Sign Type J.3.B/C  
Scale: 3/16" = 1"

Fabrication  
See Section 8



Bkgd color: Red  
PMS 186



Bkgd color: Blue  
PMS 300



Bkgd color: White

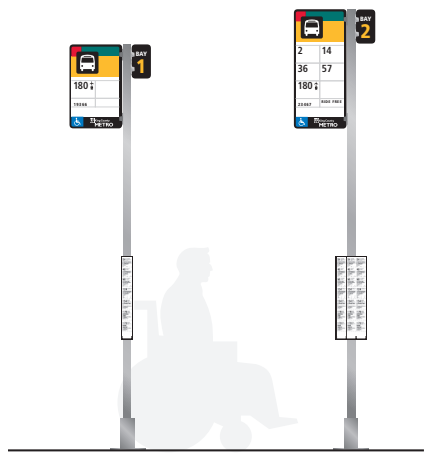


Bkgd color: Yellow  
PMS 1235

**Location:** Sign mounts to curbside sign poles.  
Top of bracket aligns with top of sign column.

**Fabrication:** Double-sided digitally printed graphics on reflective vinyl applied to aluminum panel. Aluminum panel attaches to aluminum bracket with tamper-resistant locking plate.

**B/C Installation:** Bracket slips into sign column extrusion channel and locks into place.



Sign Type J.2.A  
on Sign Type A.1

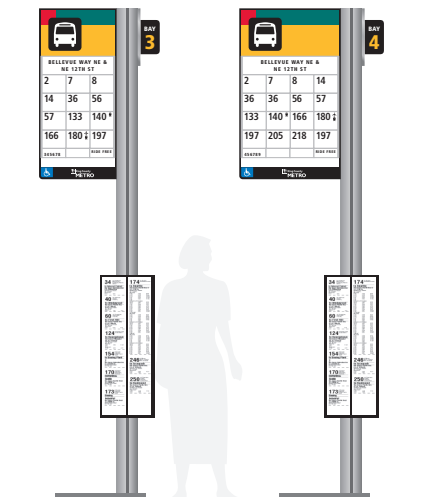
Sign Type J.2.A  
on Sign Type A.2



Sign Type J.2.A  
Fabrication  
See Section 8



Sign Type J.2.B/C  
Fabrication  
See Section 8



Sign Type J.2.B/C  
on Sign Type B.1

Sign Type J.2.B/C  
on Sign Type B.2

**J.2.A Location:** Sign mounts to curb side sign poles. Top of bracket aligns with top of sign pole.

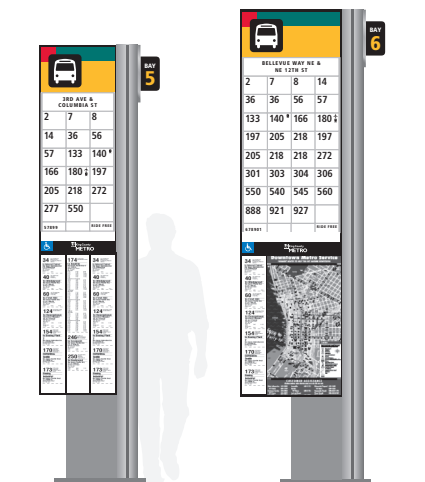
**J.2.A Fabrication:** Double sided digitally printed graphics on reflective vinyl applied to aluminum panel. Aluminum panel attaches to sign post with Metro standard brackets.

**J.2.A Installation:** Bracket mechanically fastens to sign post.

**J.2.B/C Location:** Sign mounts to curb-side sign poles. Top of bracket aligns with top of sign column.

**J.2.B/C Fabrication:** Double sided digitally printed graphics on reflective vinyl applied to aluminum panel. Aluminum panel attaches to aluminum bracket with tamper resistant locking plate.

**J.2.B/C Installation:** Bracket slips into sign column extrusion channel and locks into place.



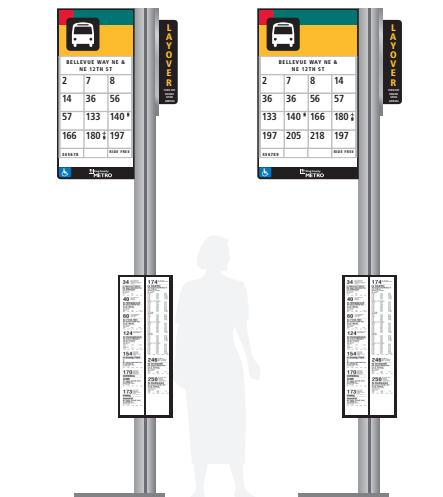
Sign Type J.2.B/C  
on Sign Type C.1

Sign Type J.2.B/C  
on Sign Type C.2



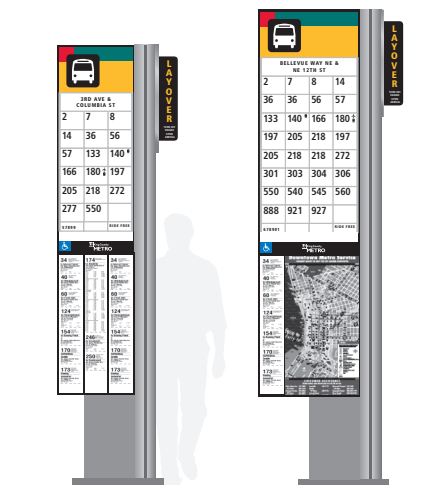
Sign Type J.3.A  
on Sign Type A.1

Sign Type J.3.A  
on Sign Type A.2



Sign Type J.3.B/C  
on Sign Type B.1

Sign Type J.3.B/C  
on Sign Type B.2



Sign Type J.3.B/C  
on Sign Type C.1

Sign Type J.3.B/C  
on Sign Type C.2



Sign Type J.3.A  
Fabrication  
See Section 8



Sign Type J.3.B/C  
Fabrication  
See Section 8

**J.2.A Location:** Sign mounts to curb side sign poles. Top of bracket aligns with top of sign pole.

**J.2.A Fabrication:** Double sided digitally printed graphics on reflective vinyl applied to aluminum panel. Aluminum panel attaches to sign post with Metro standard brackets.

**J.2.A Installation:** Bracket mechanically fastens to sign post.

**J.2.B/C Location:** Sign mounts to curb-side sign poles. Top of bracket aligns with top of sign column.

**J.2.B/C Fabrication:** Double sided digitally printed graphics on reflective vinyl applied to aluminum panel. Aluminum panel attaches to aluminum bracket with tamper resistant locking plate.

**J.2.B/C Installation:** Bracket slips into sign column extrusion channel and locks into place.



Sign Type J.4.A  
on Sign Type A.1

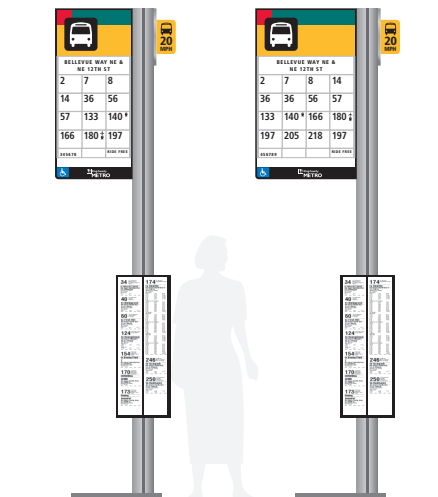
Sign Type J.4.A  
on Sign Type A.2



Sign Type J.4.A  
Fabrication  
See Section 8



Sign Type J.4.B/C  
Fabrication  
See Section 8



Sign Type J.4.B/C  
on Sign Type B.1

Sign Type J.4.B/C  
on Sign Type B.2

**J.2.A Location:** Sign mounts to curb side sign poles. Top of bracket aligns with top of sign pole.

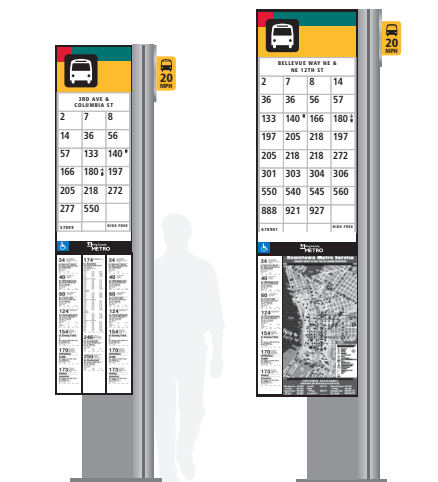
**J.2.A Fabrication:** Double sided digitally printed graphics on reflective vinyl applied to aluminum panel. Aluminum panel attaches to sign post with Metro standard brackets.

**J.2.A Installation:** Bracket mechanically fastens to sign post.

**J.2.B/C Location:** Sign mounts to curb-side sign poles. Top of bracket aligns with top of sign column.

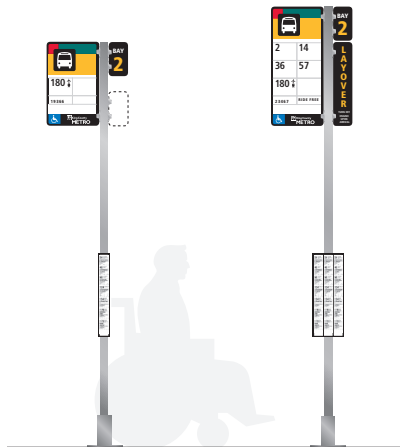
**J.2.B/C Fabrication:** Double sided digitally printed graphics on reflective vinyl applied to aluminum panel. Aluminum panel attaches to aluminum bracket with tamper resistant locking plate.

**J.2.B/C Installation:** Bracket slips into sign columns extrusion channel and locks into place.



Sign Type J.4.B/C  
on Sign Type C.1

Sign Type J.4.B/C  
on Sign Type C.2



Sign Types J.3.A  
& (TBD)  
on Sign Type A.1

Sign Types J.3.A  
& J.2.A  
on Sign Type A.2

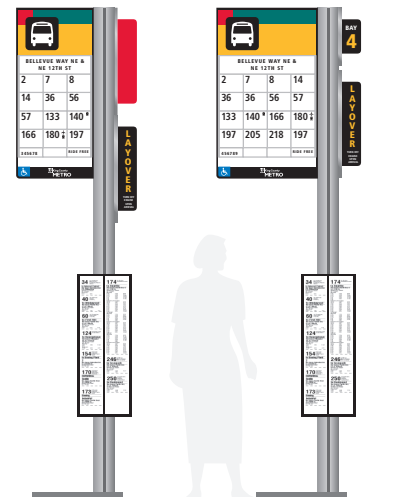
The bus stop sign family has been designed to allow up to 2 accessory signs per post. If the need arises for multiple signs, see the following list for which sign type is to be installed in the top or bottom position.

Skip Stop - Sign Type J.1B/C:  
Top position

Bay Number - Sign Type J.2A / J.2B/C:  
Top position

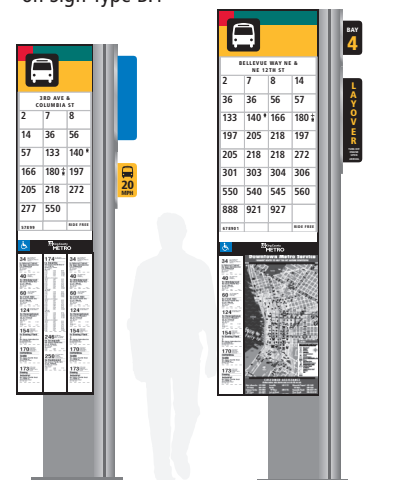
Layover - Sign Type J.3A / J.3B/C:  
Bottom position

Bus Slow Order - Sign Type J.4A / J.4B/C:  
Bottom position



Sign Types J.1.B/C  
& J.3.B/C  
on Sign Type B.1

Sign Types J.2.B/C  
& J.3.B/C on Sign Type E



Sign Types J.1.B/C  
& J.3.B/C  
on Sign Type C.1

Sign Types J.2.B/C  
& J.3.B/C  
on Sign Type C.2