Sign Implementation Manual

Version 1.0

August 2019

METROLINX

The Network Identifier graphic used throughout this manual shall not be used in any publicly shared renderings without prior approval from Metrolinx.

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METROLINX

The Metrolinx Wayfinding Design Standard and Sign Implementation Manual shall replace all previous Metrolinx standards for customer-facing facility identity and wayfinding signage including, but not limited to, the GO Static Signage Catalogue, the Eglinton Line Sign Standards Manual and the GO Transit Design Requirements Manual.
The Metrolinx Wayfinding Design Standard and Sign Implementation Manual shall not replace existing standards for operational, safety or emergency egress signage, nor signage that is necessitated by compliance with national or provincial codes or regulations.

Further information
For further information about the Regional Transit Network and guidance on implementation, please contact Toban Allison.

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Metrolinx Design Standards
Design Standard DS-03
Sign Implementation Manual
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Metrolinx,
an Agency of the Government of Ontario

Change Log

Version 0.1 September 2018	**Internal page plan draft**
Version 0.2 November 2018	**Interim draft**
Version 0.3 December 2018	**Interim draft**
Version 0.4 February 2019	**Interim draft**
Version 0.5 May 2019	**Post pilot version**
Version 0.6 July 2019	**Post pilot version**
Version 1.0 August 2019	**Amended version**

Contents

1.0 Introduction

This section details the purpose of the document, its intended audience and limitations, as well as outlining the implementation process.

1.1 Purpose

The guidance and specifications in this document are intended to provide a basis for the procurement, fabrication and installation of the harmonized wayfinding system described in the Metrolinx Wayfinding Design Standard (WDS).

Where as the WDS provides comprehensive guidance on the planning and graphic design of transit wayfinding in the Greater Golden Horseshoe (GGH), this document focuses on the practicalities of implementing sign products at transit facilities.

Operator specific documentation provides guidance for operational and regulatory signage outside the scope of the WDS and the Sign Implementation Manual.

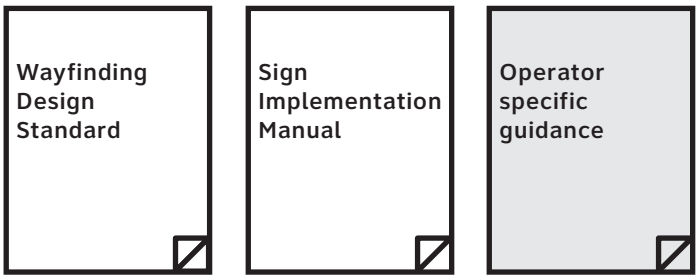
1.2 Who should use it

This manual is intended to provide guidance for all of those involved in the implementation of standard wayfinding signs. Those involved in transit projects include but are not limited to, Construction Companies, Project Delivery teams, Design Consultants, Signage Fabricators/ Manufacturers and representatives from the Contract Authority.

The standards should be applied to new transit facilities, as well as when adding to or replacing passenger facing signage and mapping within existing transit facilities.

Documents in the 'standard'
This Sign Implementation Manual is used alongside the Wayfinding Design Standard. The two documents cover different aspects of the wayfinding design and implementation process.

These documents are supported by guidance provided by operators, which cover operational and regulatory signage outside of the scope of the standard.



Defines:
- sign types
- sign locations
- messaging
- graphic standards

Defines:
- implementation process
- mounting heights
- finishes
- design intent drawings

Defines:
- signs specific to individual operator's regulations, business needs and operational practices

1.3 How it should be used

This manual is designed to be used in the sequence presented. Its structure is intended to support the implementation process.

Section 1.0 gives an introduction to the document.

Section 2.0 gives an overview of sign placement, sign types and planning principles, as established in the WDS.

Section 3.0 gives detailed specification for sign types included in the system.

Section 4.0 includes typical mounting types.

1.4 Development status

The WDS and this document represent work done to date in the development of a new wayfinding standard. The standard is based on international best practice as well as knowledge gained from pilot projects undertaken in 2018. Design intent drawings and specifications do not represent final, tested designs and should not be used as manufacturing drawings. Some designs have not previously been implemented, where as other designs have been previously implemented but are subject to evaluation. As sign types included in this manual are implemented, further evaluation will be undertaken that will refine and improve the quality and approach of the designs.

Through this process of implementation, the standards will be reviewed to ensure they are comprehensive, robust and long-lasting. Designs are subject to revision in subsequent versions of this document as a result of learnings taken from pilot and initial implementation projects across the region.

Metrolinx should be consulted before any designs presented in this document are implemented to ensure specifications represent an agreed and finalized approach. Drawings in this manual should not be used for manufacture without consultation with Metrolinx.

1.5 Implementation of the standard

Types of transit facility across the GGH vary greatly. The standard will be applied across the network in a staggered way dependent on the opportunity to introduce either complete wayfinding schemes at new facilities or to replace passenger facing signs at existing facilities. The standard should be applied based on the following guidance:

New facilities

At new facilities the Wayfinding Design Standard (WDS) and the sign types included in this manual should be adopted in full.

Partial renovation

Where facilities are being partially renovated, the update of all signage on the exterior of the facility should be prioritized (sign types as identified in the 'Threshold markers' category of the sign typology). Existing site signage shall be brought to current standards once exterior facility signage is updated.

Within the facility, signage will be subject to partial improvement. The WDS should be applied when:

- A whole zone (or zones) of the facility is being created/upgraded (as per zones identified in the WDS, Sequence Planning). Implementation of the standard should be limited to just this zone (or zones), with the implementation of Directional signs prioritized.
- A complete route through the facility is being created/upgraded (for instance a route from the threshold of the facility to a new platform). Implementation of the standard should be limited to just this route, with the implementation of Directional signs prioritized.
- New elements can be added that do not contradict or replace existing standards; Information hubs at interchanges, for example.

Information Hubs

Information hubs (as shown in Section 2.3 Sign Typology) should be deployed in all facilities that are subject to an upgrade, where there are either transfers between transit modes or operators.

2.0 Sign types

This section provides a catalogue of sign types and guidance on typical sign placement and dimensions.

2.1 Introduction

Guidance on sign placement and a categorization of sign types is included in the Wayfinding Design Standard (WDS). This section of the Sign Implementation Manual summarizes this detail for the use of those implementing a scheme at single or multiple facilities.

Sign content, types and placement will be defined by the Signage Lead. The Sign Contractor implementing the scheme will then be provided with documentation that details the intent of the Signage Lead. The role of the Sign Contractor is to take this documentation and assess it, raising concerns about the practicality of design decisions where necessary, as well as suggesting alternative ways of working where possible.

2.2 Planning guidelines

The WDS outlines an approach for sign placement based on sequence planning; the division of transit facilities into defined areas where there is different information need. This approach divides transit facilities into a combination of the following zones: Transit facility approach, Unpaid circulation, Fare threshold, Paid circulation, Platform or bus bay.

The Signage Lead will specify the combination of signs types that are included in each of these zones to meet the information need.

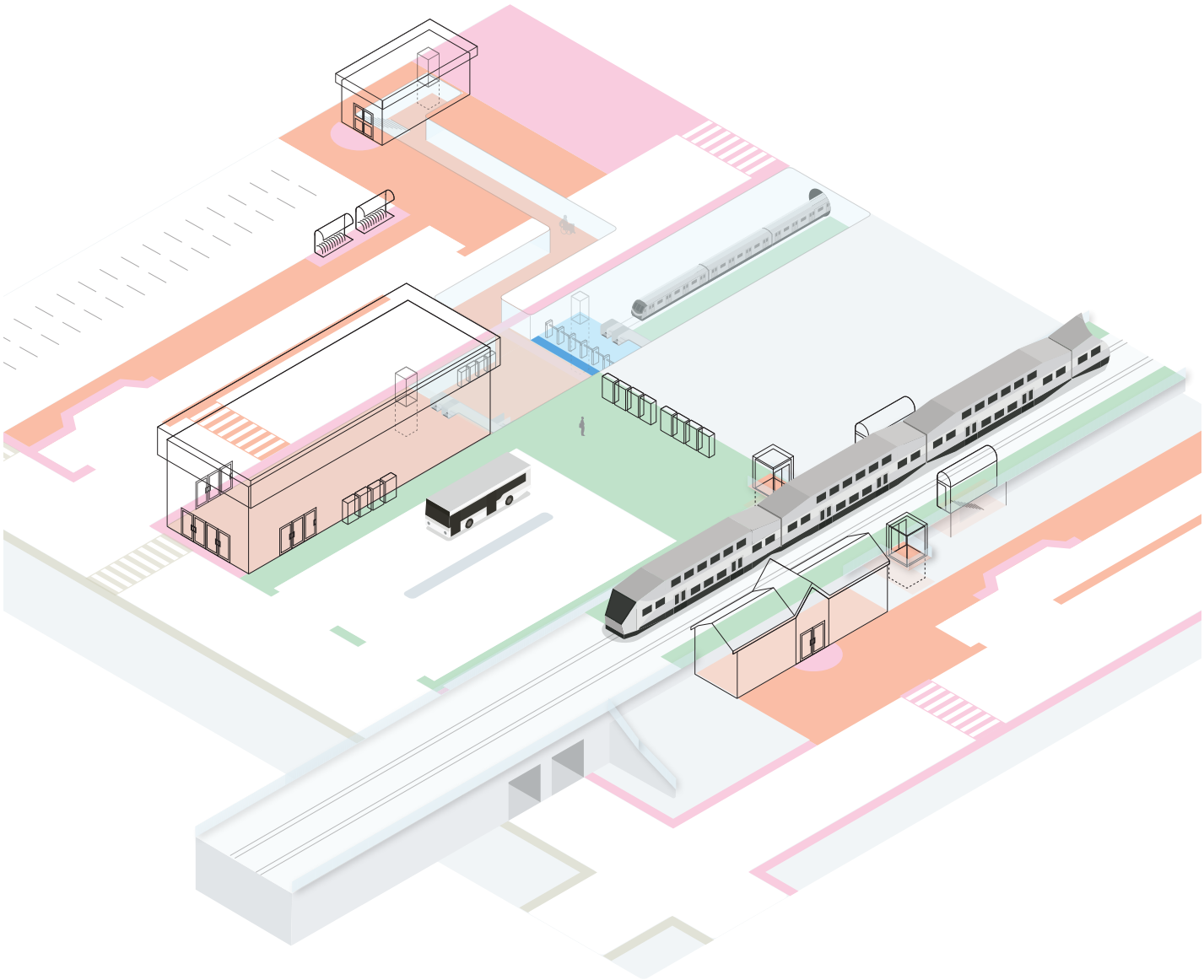
An illustration of the different zones at a typical station is included on the following pages, as well as summary of the typical types of information that are needed in these areas.

A typology of all sign types that will be used by the Signage Lead is repeated from the WDS in the following section. The sign typology is broken down into the following basic types, based on function of the sign:

- TH Threshold markers
- IN Information hubs
- MA Maps and diagrams
- AM Amenity markers
- DR Directional signs
- PL Platform signs and line confirmation
- BU Bus bay/Bus stop signs
- NS Notices and safety information
- DS Digital screens

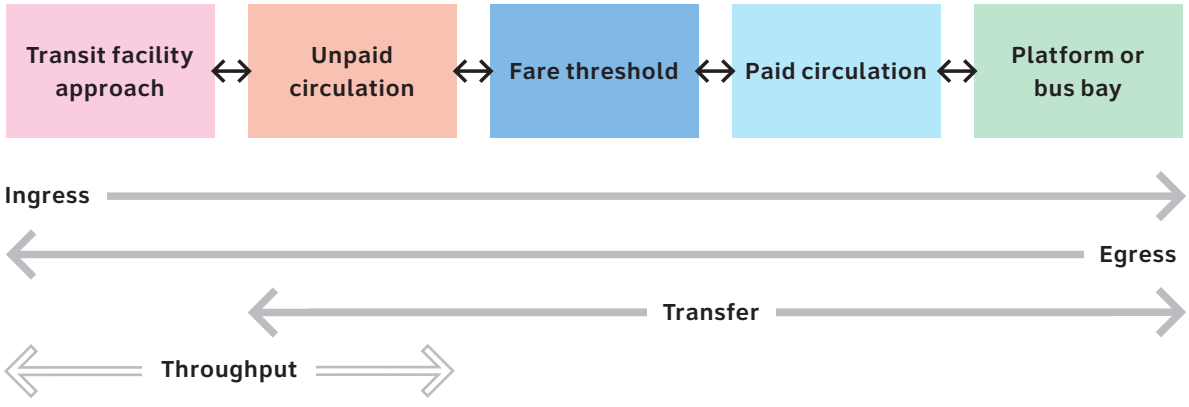
Some sign types can be located in multiple zones, whereas others are specific to just one.

Sequence planning information zones



As defined in the Wayfinding Design Standard (WDS), a transit facility can be broadly divided into a sequence of stages or zones. The Signage Lead will use these zones to define what sign types are needed where in the transit facility.

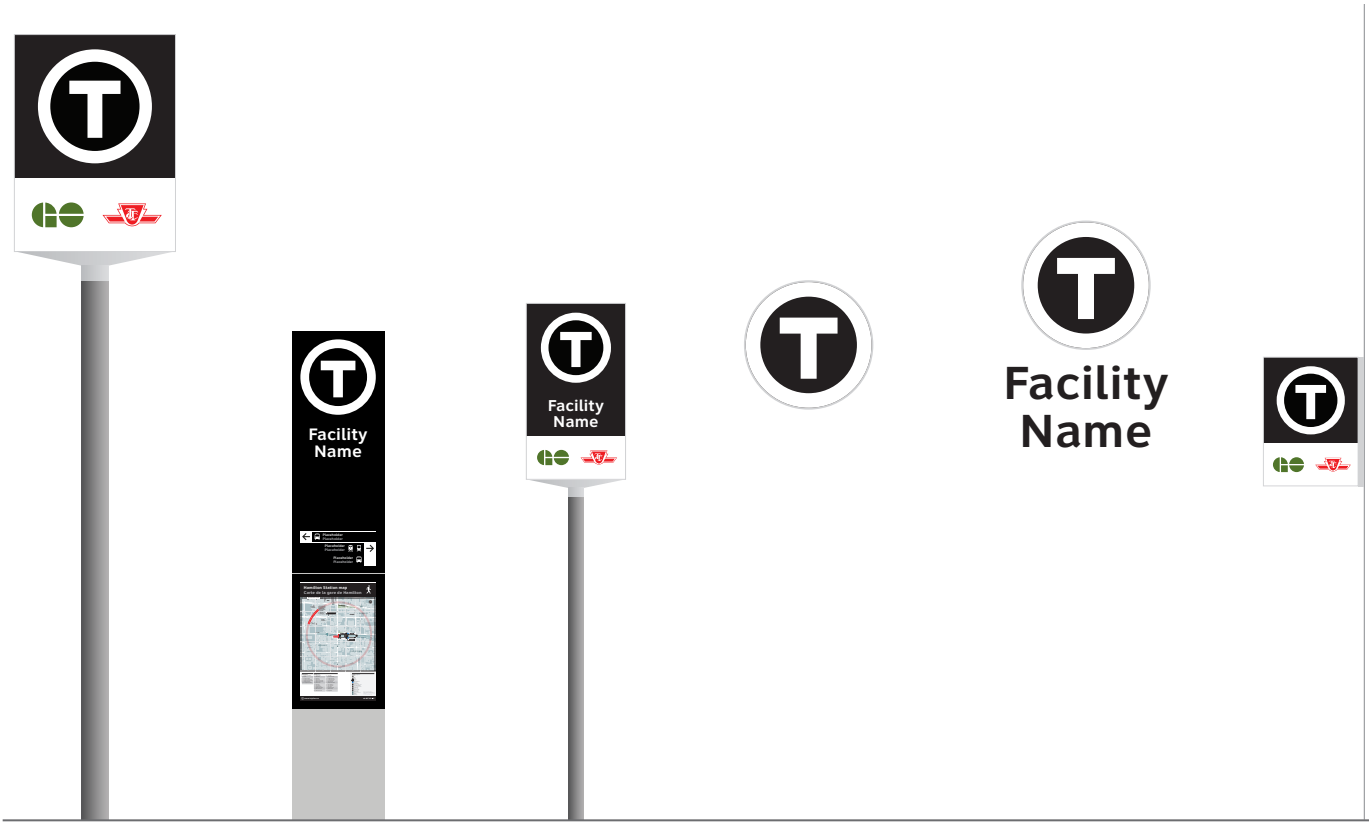
Different types of user (Ingress, Egress, Transfer, Throughput) will need different types of information in these zones.



Typical questions that customers ask	Information needed to answer these questions	
Transit facility approach Is this the right station? What entrance should I go to? What services run from here? When is the first train of the day? Where is the bike share?	– Identification that this is a transit facility – Facility name – Transit modes that operate from the facility – Location of entrances, including barrier-free	– Operating times of facility and services – Location of exits for onward journeys and local streets/destinations
Unpaid circulation Which train/bus should I take? Where do I go to catch my train/ bus? When is my train/ bus due? Where is the elevator? Which is the right exit? Where can I get to from here?	– Overview of transit lines or routes that can be accessed from the facility or nearby – Platform / bay where specific transit services operate from	– How frequently services operate and when – Location of transit services, amenities and exits within the facility – Overview of local streets and destinations
Fare threshold Do I pay here? Is this the right service? Where do I exit?	– Location of fare line – Confirmation of transit services beyond the fare line (i.e. Line Diagram) – Direction to transit services and exits beyond the fareline	
Paid circulation Which way to the platform/bus bay? Which way to the exit?	– Confirmation of transit services (i.e. Line Diagram) – Direction to specific transit platforms/bays and exits	
Platform or bus bay Is this the right platform? When is my train/ bus due? Where do I need to change lines? Is this the right station? Where is the elevator?	– Location of specific transit platforms/bays – Confirmation of transit services (i.e. Line Diagram) – How frequently services operate and when – Facility name	– Location of amenities and exits – Overview of transit lines or routes that can be accessed from the facility or nearby

2.3 Sign typology

TH Threshold markers



TH1

Facility Beacon: Vehicular Lollipop

To identify location of the facility from distance, particularly for vehicular users.

Placed at primary vehicular entrances, facing towards the flow of traffic.

Double sided. Available in 6m and 8m versions.

TH2.1

Facility Beacon: Pedestrian Totem

To identify the location of the facility and direct towards entrances, as well as providing mapping of local area.

Placed when visibility to entrances is not clear, or when it is a complex urban environment.

Where local pedestrian wayfinding schemes exist in the vicinity (such as TO360), which direct to entrances and other parts of the facility, a TH2.2 sign can be used in place of a TH2.1.

TH2.2

Facility Beacon: Pedestrian Lollipop

To indicate location of the facility from distance, particularly for pedestrian users.

Placed at primary pedestrian entrances, facing towards pedestrian flow.

TH3.1.1

Facility Marker: Wall mounted

To identify the location of facility entrances.

Placed above entrances.

TH3.1.2

Facility Marker: Wall mounted with facility name

Can be used in place of a TH3.1.1. This sign type should not be used in close proximity to TH4 to avoid repetition of the facility name.

TH3.2

Facility Marker: Projecting

To identify facility entrances at points where it is not possible to accommodate a Facility Beacon (TH2.1/2.2) on the sidewalk.

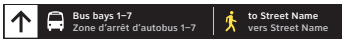
Located facing towards pedestrian flow.

Sign types required at entrances

All threshold marker sign types are shown here. The combination of sign types required at an entrance to a facility will depend on the context of the individual entrance. Typical approaches are illustrated in the Wayfinding Design Standard (WDS).

At least one sign type that displays the Network Identifier is required at or in the immediate vicinity of every entrance. As illustrated in the WDS, the sign type/s that should be used at an entrance depends on the type of facility and the architectural layout of the entrance.

The Network Identifier



TH4
Facility Entrance

To identify the facility name and mode of services that can be accessed using this entrance.

Placed above all entrance doors.

TH5
Barrier-free Access

To identify a door to a barrier-free route that runs from that point of access through to boarding the transit vehicle.

Located above the door handle.

TH6
Facility Address

To identify address of facility.

Placed at all entrances visible from the street. Where entrances are setback from the street the facility address is incorporated into a TH9 sign, meaning a TH6 sign is not necessary.

TH7
First and Last Trains

To notify users of the first and last train times, as well as facility operating hours.

Placed next to all entrances.

TH8
Facility Exit

To direct to nearby transit facility buildings and services, local destinations and streets.

Placed above all exiting doors.

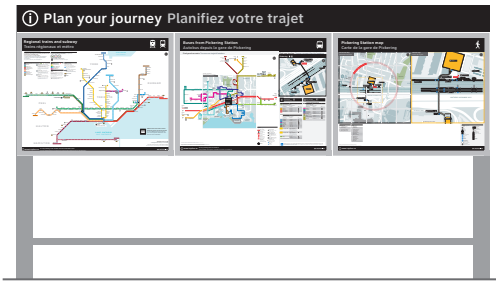
TH9
Vehicular Entrance

To identify vehicle entrances and facility address for drivers.

Placed at vehicular entrances, facing towards the flow of traffic. Double sided.

IN Information hubs

All information hub types are available as wall mounted and freestanding versions (Single and double sided).

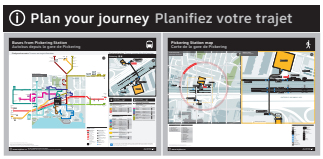


IN1.1

Information Hub:
Type A

IN1.2

Information Hub:
Type B



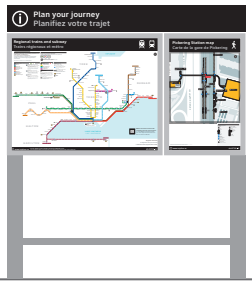
IN1.3

Information Hub:
Type C

Information Hubs show mapping of the facility/ local area and diagrams of transit connections.

Placed in dwell space for users to plan their journey. Available in multiple formats.

When on platform, Information Hubs should be located in dwell spaces in the vicinity of access points to the platform and waiting areas.



IN1.4

Information Hub:
Type D

IN1.5

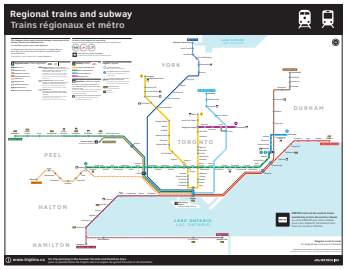
Information Hub:
Type E

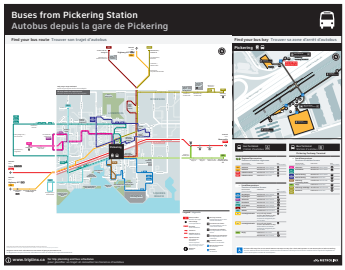
IN1.6

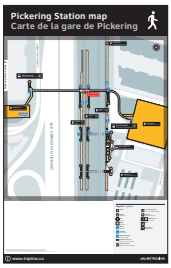
Information Hub:
Type F

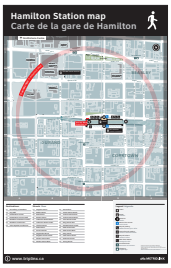
MA Maps and diagrams

All maps and diagrams designed to ANSI D or E format.









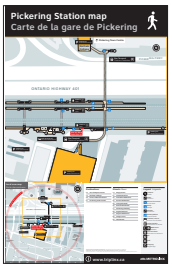
MA1
Regional Transit Diagram

MA2
Buses From Here Diagram

MA3.1
Facility Map: Internal ANSI D

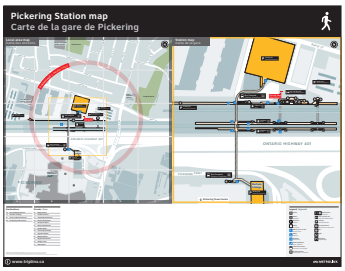
MA3.2
Facility Map: Local Area ANSI D

Maps and diagrams are designed to be shown in Information Hubs.



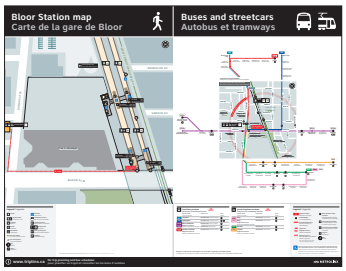
MA3.3

Facility Map: Internal/ Local Area ANSI D



MA3.4

Facility Map: Internal/ Local Area ANSI E



MA4

Facility Map/Buses From Here Diagram ANSI E

AM Amenity markers

AM1.1
Elevator ID: Wall mounted

To identify elevators.

Placed above elevator doors or entrances to elevator facilities.

AM1.2
Elevator ID: Projecting

To identify elevators.

Placed beside elevator doors or entrances to elevator facilities, facing user.

AM2.1
Amenities ID: Wall mounted

To identify amenities.

Place at point of amenity.

AM2.2
Amenities ID: Door sign

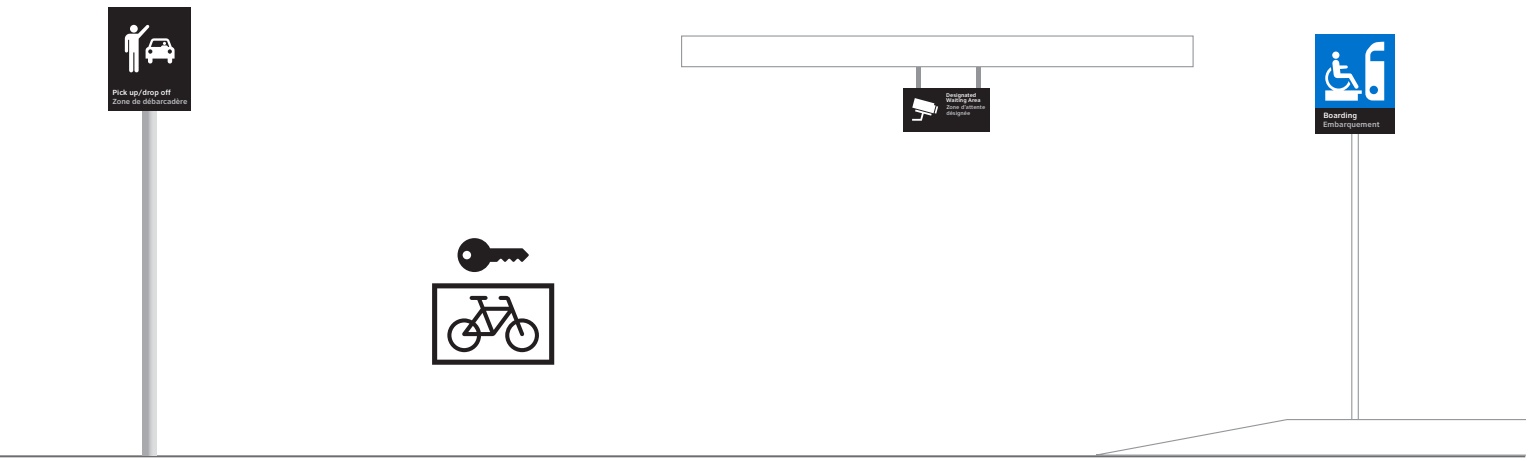
To identify amenities.

Place at point of amenity.

AM2.3
Amenities ID: Projecting

To identify amenities.

Place at point of amenity, facing user.



AM2.4

Amenities ID: Post mounted

Primarily to identify amenities from which users would arrive or leave the facility (taxis, pick up/drop off).

Place at point of amenity, facing user.

AM2.5

Amenities ID: Supergraphic

To identify amenities from distance.

This sign should be used in addition to AM2.1.

Place at point of amenity.

AM3

Waiting Area ID

To identify Designated Waiting Areas on platforms.

Place at Designated Waiting Area, facing user.

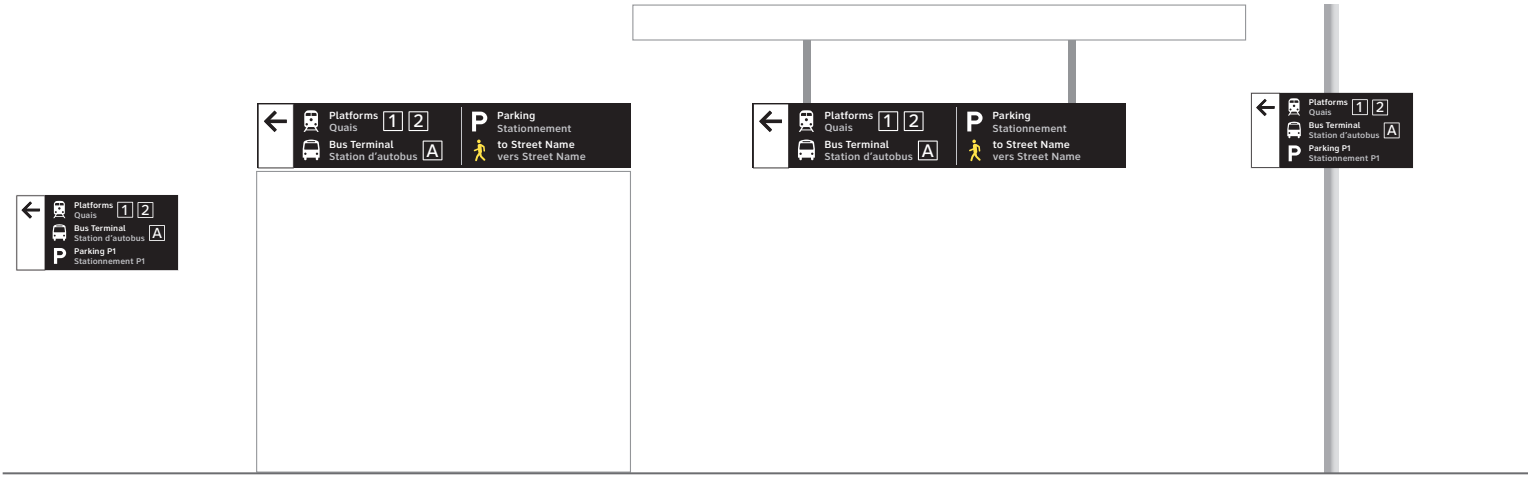
AM4

Raised Platform Sign

To indicate location of raised platforms for step-free access.

Placed at raised platforms facing user.

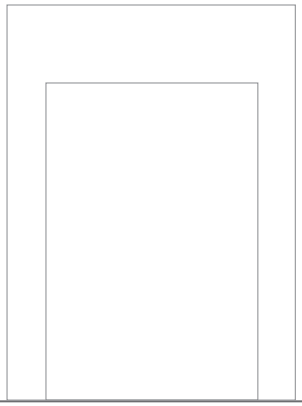
DR Directional signs



DR1.1
Directional Signs

To direct to transit services, amenities and exits.

Placed at decision points.



DR1.2

Directional Signs: Projecting

Primarily, to direct to elevators.

Placed at decision points.

DR2

Elevator Directory

To direct to transit services, amenities and exits via elevators.

Placed to the side of elevators.

PL Platform signs and line confirmation

PL1 Platform Identification

To identify platform numbers.

Placed on platforms perpendicular to direction of train. Should be visible from all access points to the platform, when turning both left and right.

PL2 Facility Name

To indicate facility name to Egress users.

Repetition on platforms defined in the Wayfinding Design Standard.

PL3 Trackside Facility Name

To indicate facility name to Egress users.

Repetition on platforms defined in the Wayfinding Design Standard.

PL4

Platform Running Frieze

To identify facility name and exit direction to Egress users.

Placed on platform or back wall.

PL5

Line Diagram

To confirm routing of transit services.

Placed on platforms and decision points leading to the platform.

When on platform, line diagrams should be located so that they are visible from access points to the platform.

PL6

In-carriage Line Diagram

BU Bus bay/stop signs

BU1.1
Bus Stop Flag with Finial

Network Identifier finial that can be attached to existing bus stop posts.

Mounted on pole, facing user.

BU1.2
Bus Stop Flag

To indicate street side bus stop location and confirm routes that operate.

Placed at street side stops, facing user.

BU1.3
Bus Stop Flag: Vertical layout

To indicate street side bus stop location and confirm routes that operate.

Placed at street side stops, facing user.

BU2.1
Bus Stop Flag: Basic layout

To indicate street side bus stop location.

Placed at street side stops, facing user.

BU2.2
Bus Stop Flag: Basic vertical layout

To indicate street side bus stop location.

Placed at street side stops, facing user.

BU3.1
Bus Bay Flag: Standard layout

To indicate bus bay location and confirm routes that operate.

Placed at bus loops and terminals facing user.

BU3.2

Bus Bay Flag: Basic layout

BU4

Interior Bus Bay ID

To indicate bus bay location and confirm routes that operate.

Placed at bus loops and terminals, internal to facility buildings.

BU5.1

Bus Schedule Panel

To show routing and schedule for buses operating from the stop or bay.

Note: eInk screens could be used in place of Bus Schedule Panels. In the Sign Implementation Manual, eInk screens have the sign code BU7.

BU5.2

Service Disruption Panel

BU6

Bus Stop Guide

Used as alternative to BU5.1.

NS Notices and safety information

NS1
Regulatory Information

NS2
Safety/Emergency

NS3
Prohibitions

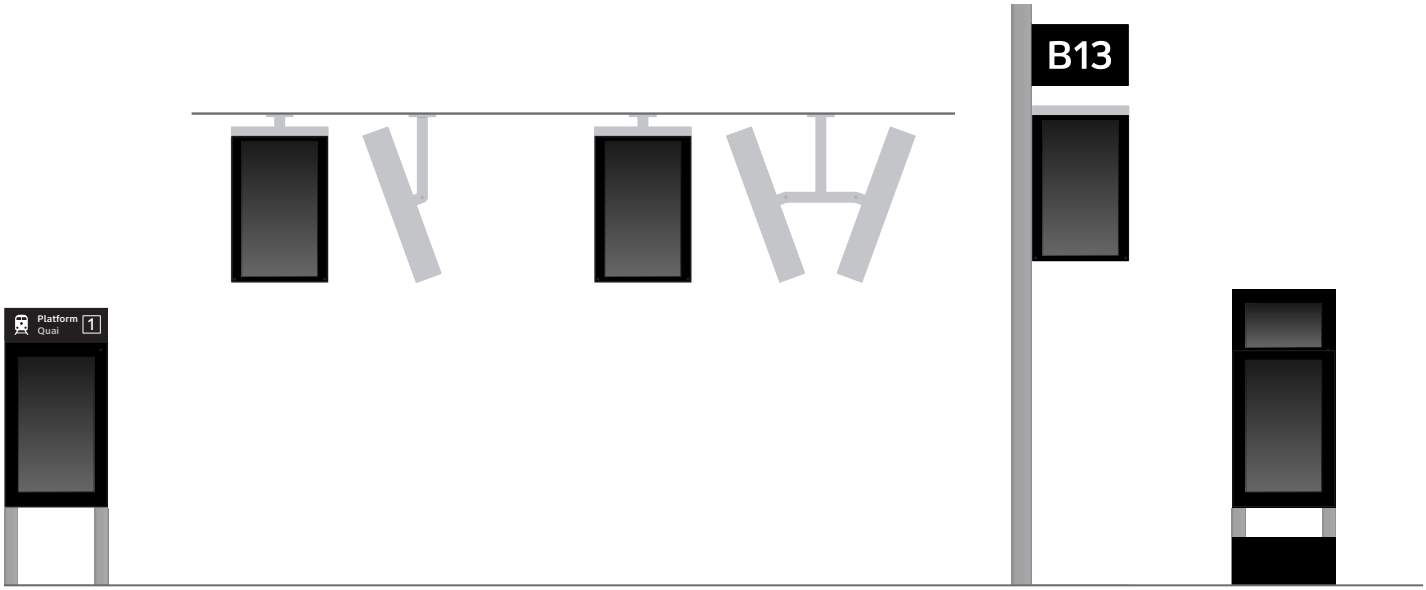
NS4
CCTV

As well as core wayfinding signs, transit facilities will require signs communicating rules, regulations and warnings.

A number of examples are included in the standard to set a style for these types of signs. The examples are by no means exhaustive but should be used as a foundation for the design of related signs.

Where standards for regulatory or safety signs already exist, these existing standards should be used, rather than adopting this new approach.

DS Digital screen



DS1
Digital Screen: Freestanding

DS2.1
Digital Screen: Suspended (single)

DS2.2
Digital Screen: Suspended (double)

DS3
Digital Screen: Bus Bay

DS4
Digital Screen: Freestanding, Portable

A number of design intent drawings for digital screens have been developed as part of this project. Design intent drawings are included in the Sign Implementation Manual.

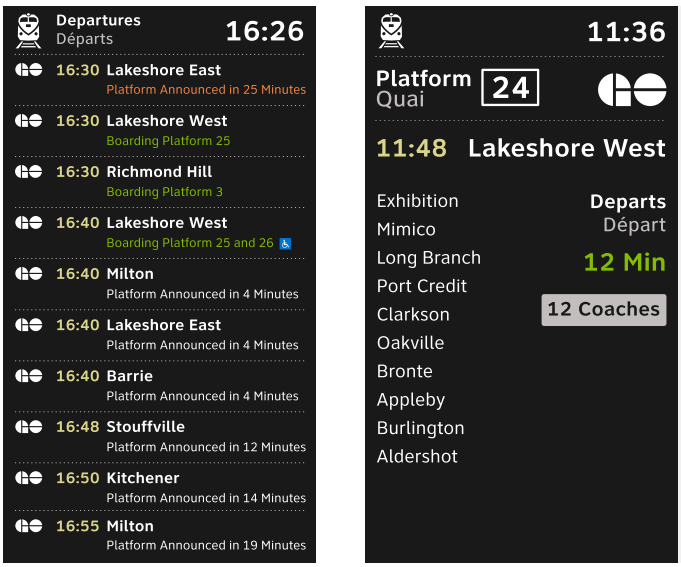
Note: screen orientation subject to review.

This standard document does not cover the design of real-time displays, as this has been covered by other Metrolinx projects (examples of screen designs shown right). Contact Metrolinx for further details.

Real-time information provided on digital screens is helpful throughout the facility, but most accutely in circulation areas and on platforms or at bus bays.

In circulation areas, real-time information should tell the user when services are leaving the facility and where the service can be accessed, through confirmation of a platform or bus bay number.

On the platform or bus bay, real-time information should confirm to the user the next service that is leaving from that location.



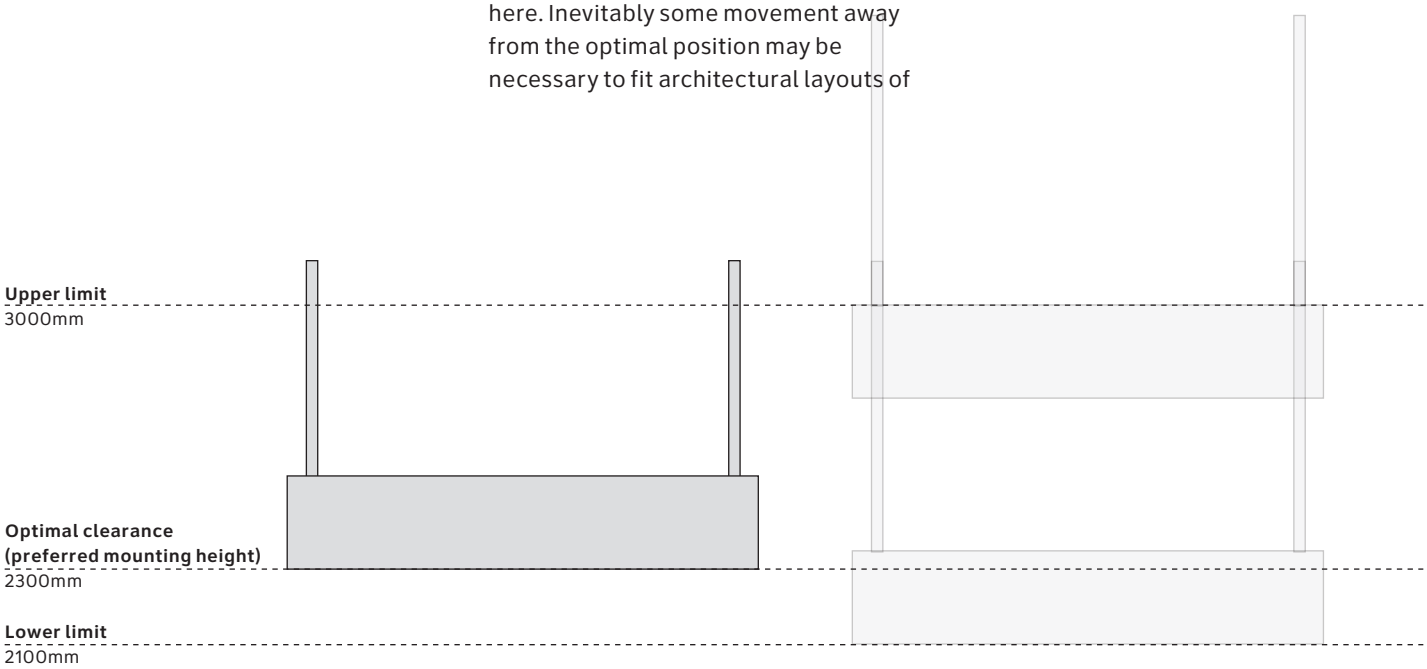
Example real-time screen designs by Metrolinx (work in progress)
The design on the left shows content for use in circulation areas, where real-time is used to show which platform / bus bay specific services are leaving from. The design on the right shows content for use on platforms or at bus bays, where confirmation of the next service from that location is required.

2.4 Standard mounting heights

Consistently positioned signs create a system that is predictable and easier to use. Signs should be mounted across transit facilities in as consistent a manner as is possible, with a minimum amount of different mounting heights.

Standard mounting heights are shown here. Inevitably some movement away from the optimal position may be necessary to fit architectural layouts of different transit facilities. Sign mounting heights should be as close to optimal as possible, and within the upper and lower limits where given.

Refer to the table in Section 2.6 for a per sign type categorization of standard mounting heights.



Zone 1

Signs requiring head clearance

Overhanging signs including suspended and projecting signs have an optimal head clearance of 2300mm above floor level. Where there are low ceilings, the sign can be mounted lower, with a minimum head clearance of 2100mm.

Wall mounted signs located above doors should be positioned as close to the top of the doorway as is possible.

Apart from some Threshold Marker sign types designed to be viewed from long distance, all signs should be installed so that all graphics are below 3000mm.

Floor level
0mm

Zone 2

Signs to be read at medium distance
To avoid being obscured by congregating crowds, signs that are intended to be read at a medium distance, such as wall mounted directional signs (that are not above doors) and wall mounted facility name signs, should be installed so the top of the sign is at, or as close as possible to, 2100mm above floor level.

Optimal upper limit
2100mm

1700mm

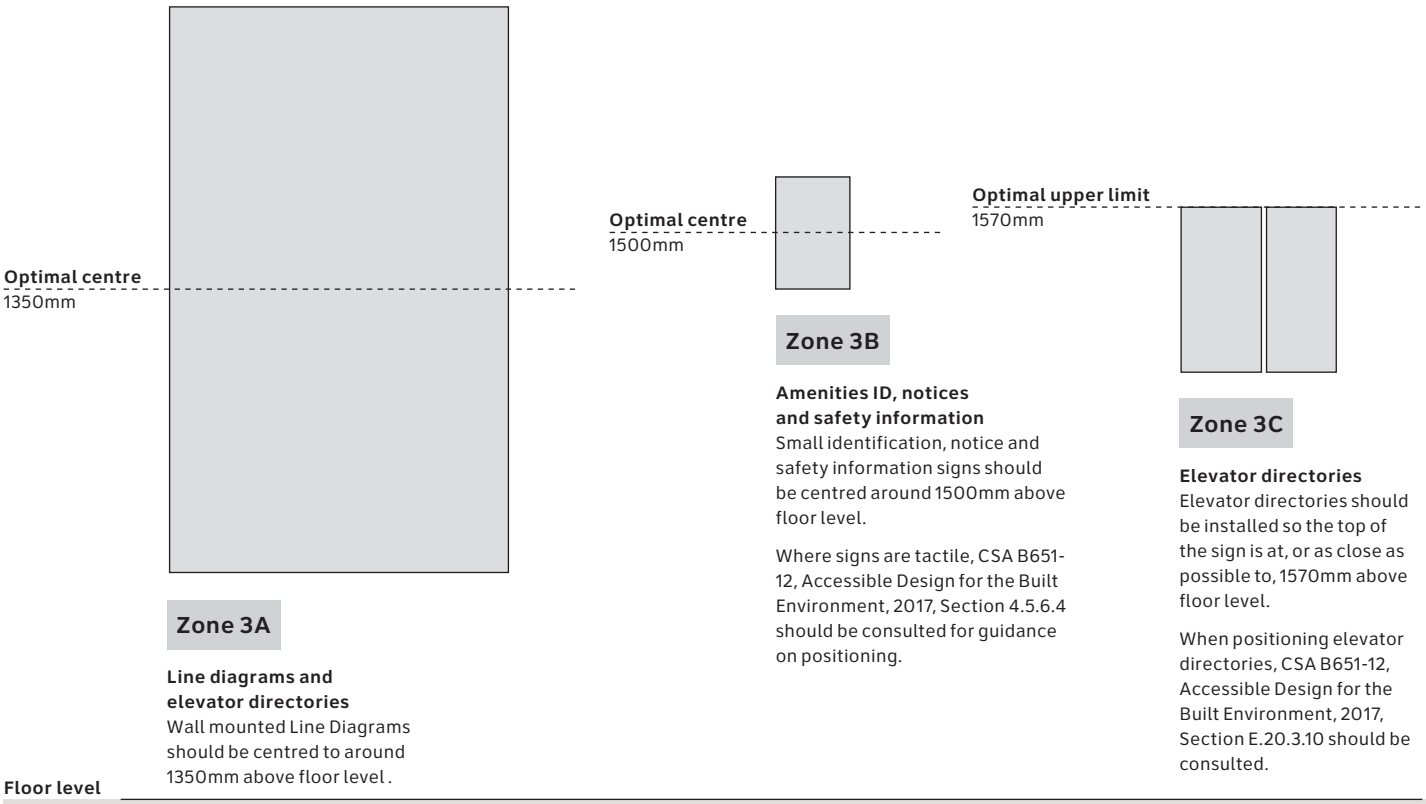
Mounting heights for defined user types
Where signs are addressing particular user types, mounting heights that suit the requirements of those users should be considered.

An example of this is DR1 Directional Signs to be viewed when exiting a train onto a raised platform at a train facility. In this situation, it can be assumed that the defined user group will include a number of wheelchair users. Here signs could be mounted at a height nearer to eye level, with a mounting height of 1700mm suggested, dependent on viewing distance, viewing angle and the risk of the sign being obscured by congregating crowds. Decisions regarding detailed sign placement should be balanced against the guidance provided in the Wayfinding Design Standard.

Floor level
0mm

Zone 3

Signs to be read at short distance
Signs that are to be used at short range should use the mounting heights shown here.



Zone 3A

Line diagrams and elevator directories
Wall mounted Line Diagrams should be centred to around 1350mm above floor level .

Zone 3B

Amenities ID, notices and safety information
Small identification, notice and safety information signs should be centred around 1500mm above floor level.

Where signs are tactile, CSA B651-12, Accessible Design for the Built Environment, 2017, Section 4.5.6.4 should be consulted for guidance on positioning.

Zone 3C

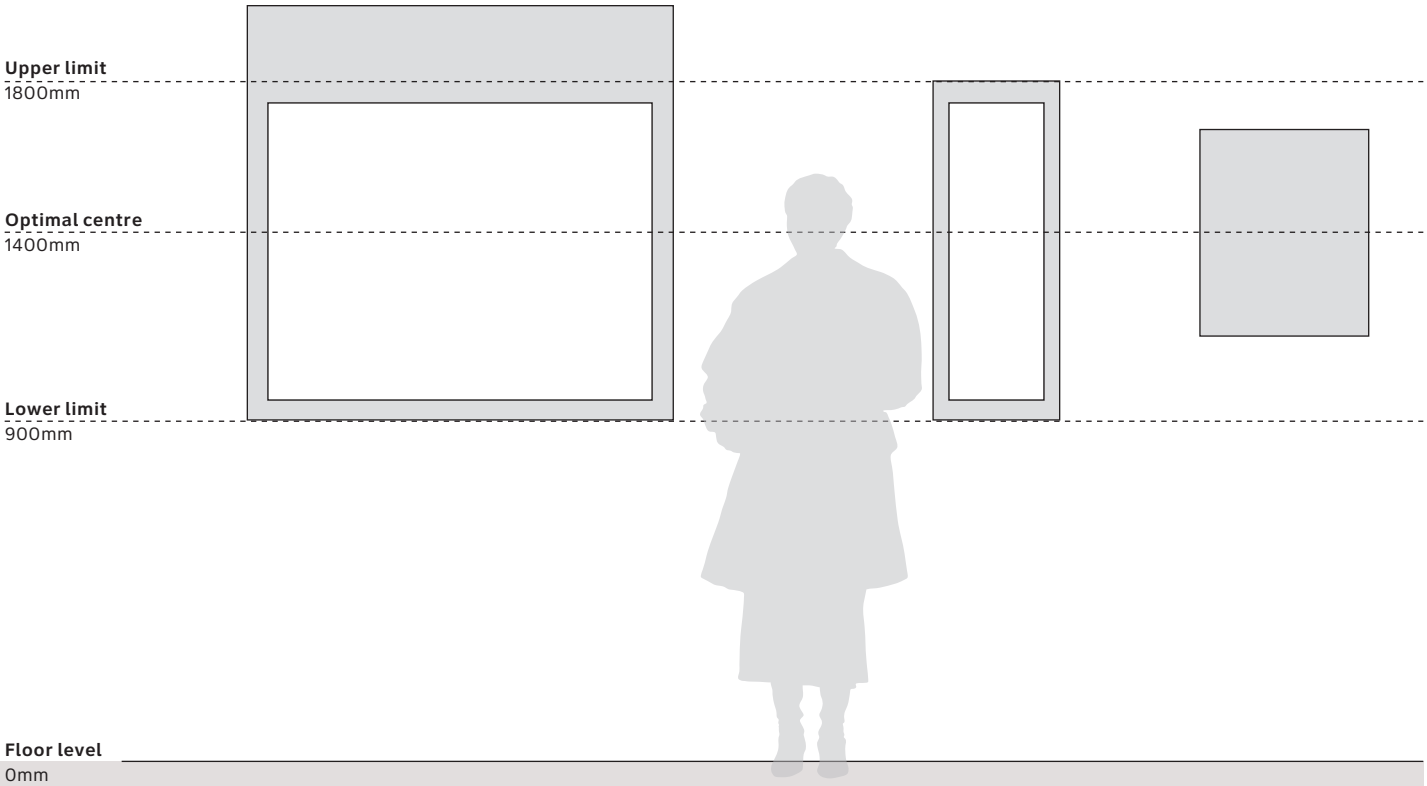
Elevator directories
Elevator directories should be installed so the top of the sign is at, or as close as possible to, 1570mm above floor level.

When positioning elevator directories, CSA B651-12, Accessible Design for the Built Environment, 2017, Section E.20.3.10 should be consulted.

Zone 4

Detailed maps and diagrams
All detailed maps, diagrams and schedules that need to be read from close range should be mounted above 900mm and below 1800mm, preferably centred on 1400mm above floor level.

Information Hubs and Bus Schedule Panels should have a clearance to the bottom of the sign of as close to 900mm above floor level as possible to ensure this.



2.5 Standard sizes

A number of standard sign sizes have been defined as part of the Wayfinding Design Standard. A summary of standard sizes is illustrated here for reference.

The Signage Lead will specify their expectation of sign sizes to be implemented based on sign content and typesizes.

For the sake of visual continuity and ease of implementation, the number of different sign sizes used across a transit facility/facilities should be kept to a minimum.

Note that these sizes refer to artwork sizes rather than overall sizes, and do not take into account the addition of any frames or other mounting additions around signs. Overall sizes are defined in the table in Section 2.6 as well as in the drawings in Section 3.0.

450mm square module

Typical applications:

TH4 Facility Entrance

DR1.1 Directional Signs (Multiple destinations: Stacked layout)

PL1 Platform Identification

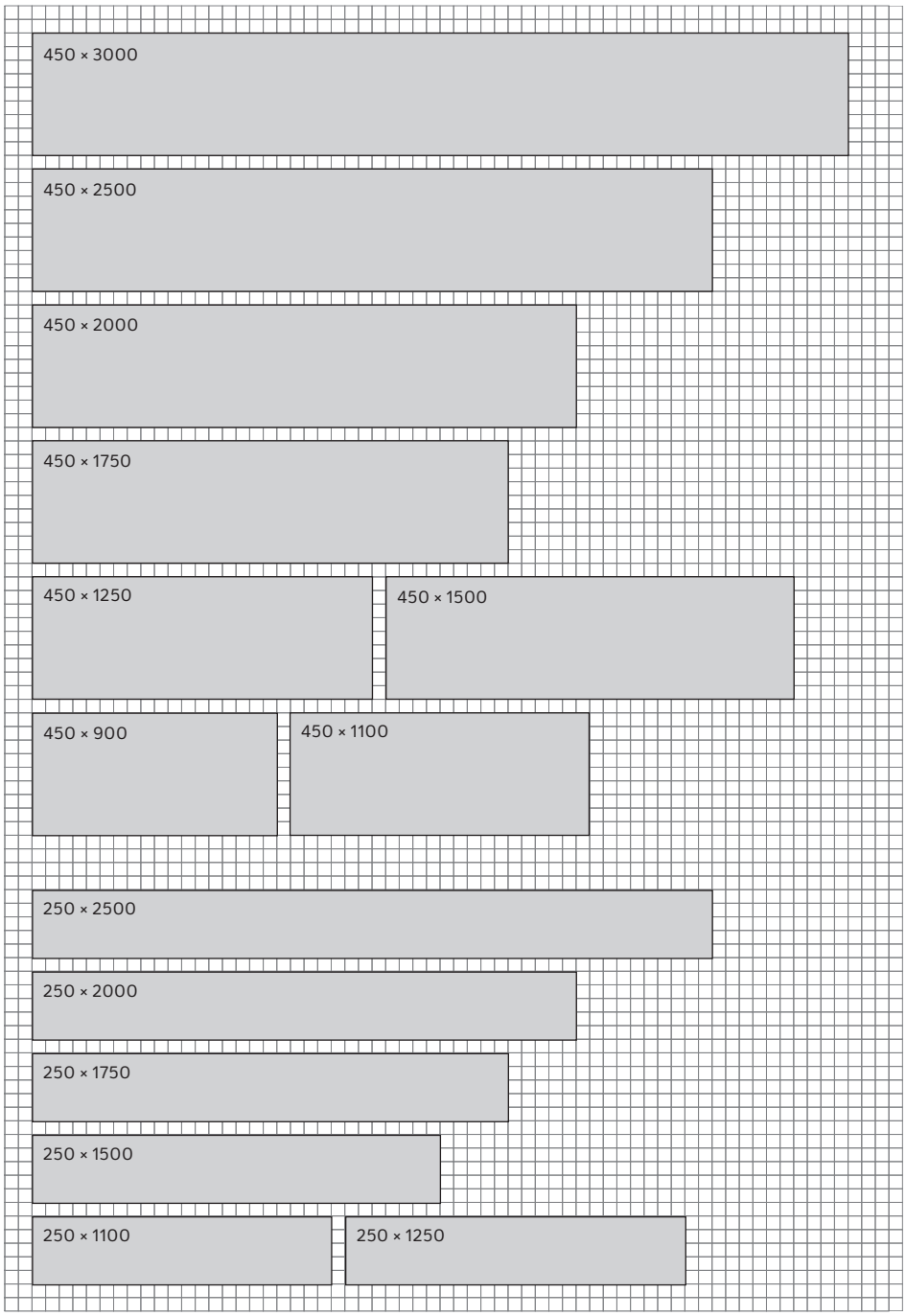
250mm square module

Typical applications:

DR1.1 Directional Signs (Single destination)

AM1.1 Elevator ID: Wall mounted

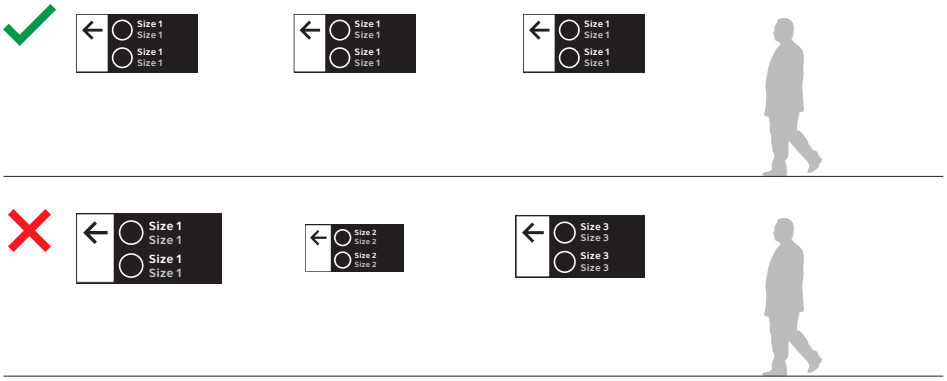
AM2.1 Amenities ID: Wall mounted



All dimensions in mm

Visual continuity

To ensure the appearance of a coherent and uniform sign system, all similar signs within a discernible area of the transit facility should use as few different type sizes as possible.



300mm square module

Typical applications:

TH4 Facility Entrance
(reduced height to fit)

PL2 Facility Name

Other formats

Typical applications:

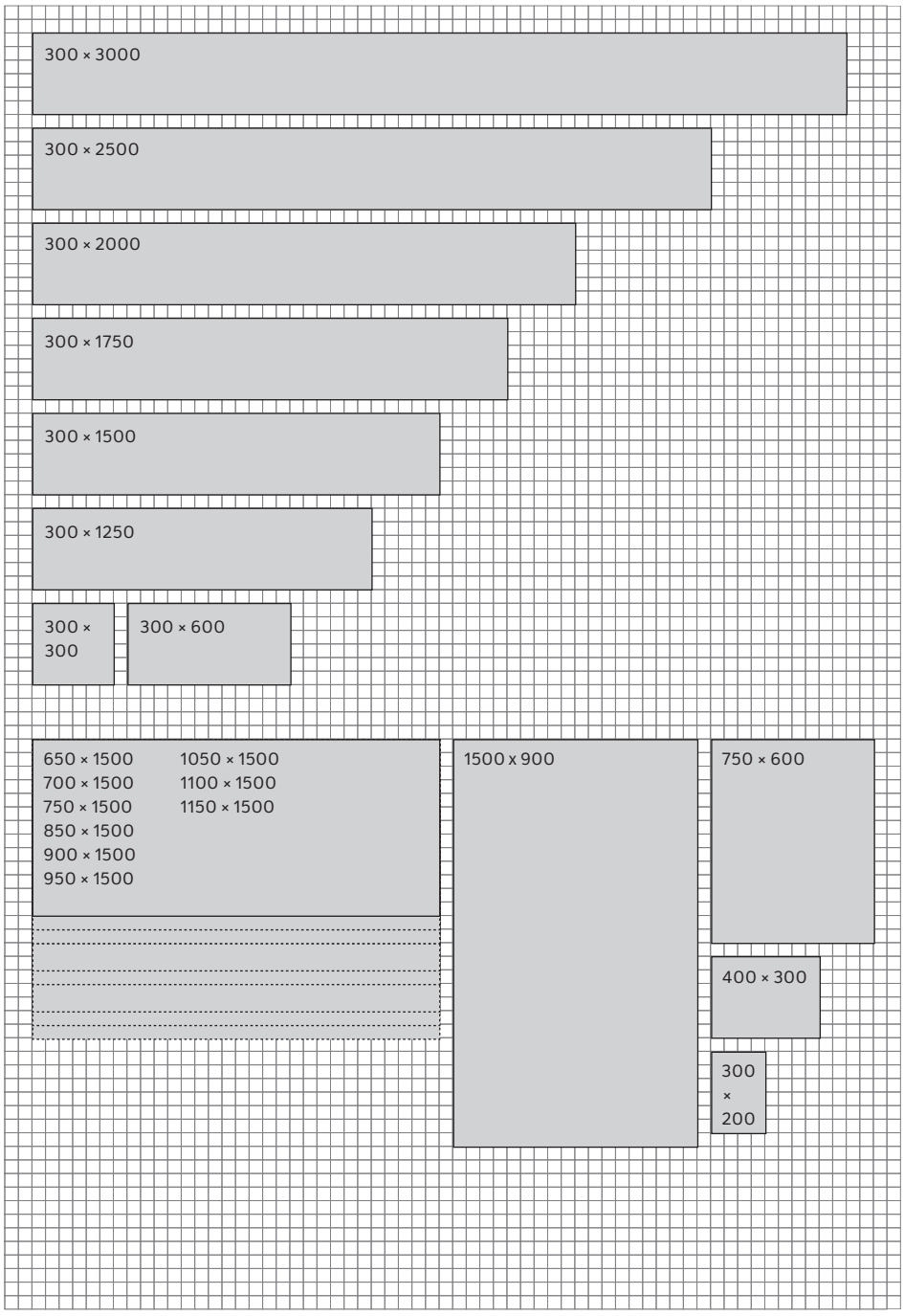
DR1.1 Directional Signs
(Vertical layout, wall mounted)

AM2.4 Amenities ID

AM4 Raised Platform Sign

PL5 Line Diagram

Notices and safety information



All dimensions in mm

2.6 Sign type matrix

Sign code	Product suffix	Sign name	Description	Number of sign faces	Mounting types	Typical overall sizes (mm)*	Mounting height zone	Power	Drawing
TH1	8M	Facility Beacon: Vehicular Lollipop	8 metre tall transit facility identification sign	2	Freestanding	D 350 W 1322 H 8000	n/a	Yes	p97-98
	6M	Facility Beacon: Vehicular Lollipop	6 metre tall transit facility identification sign	2	Freestanding	D 350 W 1322 H 6000	n/a	Yes	p97-98
TH2.1		Facility Beacon: Pedestrian Totem	Transit facility identification sign with postercase	2	Freestanding	D 195 W 672 H 3500	n/a	Yes	p104
TH2.2		Facility Beacon: Pedestrian Lollipop	4 metre tall transit facility identification sign	2	Freestanding	D varies W 772 H 4000	n/a	Yes	p100-102
TH3.1.1		Facility Marker: Wall mounted	Large scale wall mounted facility identification sign	1	Wall mounted	D 120 W 950 H 950	Reviewed case-by-case	Yes	p106
TH3.1.2		Facility Marker: Wall mounted+Name	Large scale wall mounted facility identification sign with facility name	1	Wall mounted	D 120 W varies H varies	Reviewed case-by-case	Yes	p108-109
TH3.2		Facility Marker: Projecting	Projecting facility identification sign	2	Projecting	D varies W 812 H 1012	Zone 1	Yes	p111-113
TH4		Facility Entrance	Facility name sign at entrances	1	Wall mounted	D TBC W 3012 H 462	Zone 1	Yes	p49
	NI	Facility Entrance	Lower spec. simple panel sign	1	Wall mounted	D 19 W 3012 H 462	Zone 1	No	-
TH5		Barrier-free Access	Vinyl sign on doors to indicate barrier-free access	1	Wall mounted	W 560 H 100	Zone 4	No	p86
TH6		Facility Address	Facility name sign	1	Wall mounted	D 19 W 627 H 312	Zone 2	No	p50
TH7	LG	First and Last Trains large panel	Updateable first and last trains information	1	Wall mounted	D 19 W 557 H 557	Zone 4	No	p115
	SM	First and Last Trains small panel	Updateable first and last trains information	1	Wall mounted	D 19 W 557 H 882	Zone 4	No	p115
TH8		Facility Exit	Simple panel sign	1	Wall mounted	D 19 W 2512 H 262	Zone 1	No	p51

*Typical overall sizes are given for indicative purposes. Site specific sign sizes will be defined by the Signage Lead based on sign content. These sizes will then be validated by the Sign Contractor at the given sign locations.

Sign code	Product suffix	Sign name	Description	Number of sign faces	Mounting types	Typical overall sizes (mm)*	Mounting height zone	Power	Drawing
TH9		Vehicular Entrance	Freestanding sign at entrances	2	Freestanding	D 150 W 3012 H 2100	n/a	No	p77
IN1.1	DS	Information Hub Type A	Freestanding postercases	2	Freestanding	D 199 W 3561 H 2030	n/a	No	p120-122
	SS	Information Hub Type A	Freestanding postercases	1	Freestanding	D 155 W 3561 H 2030	n/a	No	p120-122
	WM	Information Hub Type A	Wall mounted postercases	1	Wall mounted	D 78 W 3535 H 1127	Zone 4	No	p117-118
IN1.2	DS	Information Hub Type B	Freestanding postercases	2	Freestanding	D 199 W 3003 H 2030	n/a	No	p120-122
	SS	Information Hub Type B	Freestanding postercases	1	Freestanding	D 155 W 3003 H 2030	n/a	No	p120-122
	WM	Information Hub Type B	Wall mounted postercases	1	Wall mounted	D 78 W 2976 H 1127	Zone 4	No	p117-118
IN1.3	DS	Information Hub Type C	Freestanding postercases	2	Freestanding	D 199 W 2381 H 2030	n/a	No	p120-122
	SS	Information Hub Type C	Freestanding postercases	1	Freestanding	D 155 W 2381 H 2030	n/a	No	p120-122
	WM	Information Hub Type C	Wall mounted postercases	1	Wall mounted	D 78 W 2354 H 1127	Zone 4	No	p117-118
IN1.4	DS	Information Hub Type D	Freestanding postercases	2	Freestanding	D 199 W 1822 H 2030	n/a	No	p120-122
	SS	Information Hub Type D	Freestanding postercases	1	Freestanding	D 155 W 1822 H 2030	n/a	No	p120-122
	WM	Information Hub Type D	Wall mounted postercases	1	Wall mounted	D 78 W 1796 H 1127	Zone 4	No	p117-118

*Typical overall sizes are given for indicative purposes. Site specific sign sizes will be defined by the Signage Lead based on sign content. These sizes will then be validated by the Sign Contractor at the given sign locations.

Sign code	Product suffix	Sign name	Description	Number of sign faces	Mounting types	Typical overall sizes (mm)*	Mounting height zone	Power	Drawing
IN1.5	DS	Information Hub Type E	Freestanding postercases	2	Freestanding	D 199 W 1200 H 2030	n/a	No	p120-122
	SS	Information Hub Type E	Freestanding postercases	1	Freestanding	D 155 W 1200 H 2030	n/a	No	p120-122
	WM	Information Hub Type E	Wall mounted postercases	1	Wall mounted	D 78 W 1174 H 1127	Zone 4	No	p117-118
IN1.6	DS	Information Hub Type F	Freestanding postercases	2	Freestanding	D 199 W 642 H 2030	n/a	No	p120-122
	SS	Information Hub Type F	Freestanding postercases	1	Freestanding	D 155 W 642 H 2030	n/a	No	p120-122
	WM	Information Hub Type F	Wall mounted postercases	1	Wall mounted	D 78 W 627 H 1127	Zone 4	No	p117-118
MA1		Regional Transit Diagram	Poster insert for Information Hubs	1	Poster insert	W 1118 H 864	n/a	No	p118 and 122
MA2		Buses From Here Diagram	Poster insert for Information Hubs	1	Poster insert	W 1118 H 864	n/a	No	p118 and 122
MA3.1		Facility Map: Internal ANSI D	Poster insert for Information Hubs/TH2.1	1	Poster insert	W 559 H 864	n/a	No	p104, 118 and 122
MA3.2		Facility Map: Local Area ANSI D	Poster insert for Information Hubs/TH2.1	1	Poster insert	W 559 H 864	n/a	No	p104, 118 and 122
MA3.3		Facility Map: Internal/Local Area ANSI D	Poster insert for Information Hubs	1	Poster insert	W 559 H 864	n/a	No	p118 and 122
MA3.4		Facility Map: Internal/Local Area ANSI E	Poster insert for Information Hubs	1	Poster insert	W 1118 H 864	n/a	No	p118 and 122
MA4		Facility Map: Internal/Buses From Here ANSI E	Poster insert for Information Hubs	1	Poster insert	W 1118 H 864	n/a	No	p118 and 122
AM1.1		Elevator ID	Simple panel sign above elevator doors	1	Wall mounted	D 19 W 2012 H 262	Zone 1	No	p52
AM1.2		Elevator ID	Projecting sign indicating elevator	2	Projecting	D 50 W 337 H 312	Zone 1	No	p60

*Typical overall sizes are given for indicative purposes. Site specific sign sizes will be defined by the Signage Lead based on sign content. These sizes will then be validated by the Sign Contractor at the given sign locations.

Sign code	Product suffix	Sign name	Description	Number of sign faces	Mounting types	Typical overall sizes (mm)*	Mounting height zone	Power	Drawing
AM2.1		Amenities ID	Simple panel sign indicating amenity	1	Wall mounted	D 19 W 2512 H 262	Zone 1 / 2	No	p53
AM2.2		Amenities ID	Wall mounted sign with Braille and tactile lettering	1	Wall mounted	D 3 W 200 H 310	Zone 3B	No	p94
AM2.3		Amenities ID	Projecting sign indicating amenity	1	Projecting	D 50 W 337 H 312	Zone 1	No	p60
AM2.4		Amenities ID	Post mounted sign indicating Amenities	1	Post mounted	D 150 W 612 H 3062	Zone 1	No	p72
AM2.5		Amenities ID Type A	Large supergraphic icon	1	Wall mounted	D 5 W 1500 H 1555	Zone 2	No	p54
		Amenities ID Type B	Large supergraphic icon	1	Wall mounted	D 5 W 1500 H 1555	Zone 2	No	p54
AM3		Designated Waiting Area ID	Suspended sign on platforms	2	Suspended	D 50 W 912 H 462	Zone 1	No	p64
AM4		Raised Platform Sign	Post mounted sign indicating raised platforms	1	Post mounted	D 19 W 612 H 762	Zone 1	No	p73
DR1.1	WM	Directional Signs	Wall mounted directional sign	1	Wall mounted	D 19 W 2512 H 462	Zone 1 / 2	No	p55
	CM	Directional Signs	Suspended directional sign	2	Suspended	D varies W 2512 H 462	Zone 1	Varies	p65
	PM	Directional Signs	Post mounted directional sign	1	Post mounted	D 19 W 1112 H 462	Zone 1	No	p74
DR1.2		Directional Signs	Projecting directional sign	2	Projecting	D 50 W 637 H 312	Zone 1	No	p61
DR2		Elevator Directory	Elevator directory with Braille and tactile lettering	1	Wall mounted	D 3 W 420 H varies	Zone 3C	No	p95

*Typical overall sizes are given for indicative purposes. Site specific sign sizes will be defined by the Signage Lead based on sign content. These sizes will then be validated by the Sign Contractor at the given sign locations.

Sign code	Product suffix	Sign name	Description	Number of sign faces	Mounting types	Typical overall sizes (mm)*	Mounting height zone	Power	Drawing
PL1		Platform Identification	Projecting platform number sign	2	Projecting	D 75 W 962 H 462	Zone 1	No	p62
PL2	WM	Facility Name	Wall mounted facility name sign	1	Wall mounted	D 19 W 1512 H 312	Zone 2	No	p56
	PM	Facility Name	Post mounted facility name sign	1	Post mounted	D 19 W 1692 H 312	Zone 1	No	p75
	FS	Facility Name	Freestanding facility name sign	2	Freestanding	D varies W 1965 H 2100	n/a	No	p78
	CM	Facility Name	Suspended facility name sign	2	Suspended	D 50 W 1762 H 312	Zone 1	No	p70
PL3		Trackside Facility Name	Etched lettering or applied graphic	1	Surface applied	D 1892 W 281	To be reviewed case-by-case	No	p88 and 89, p91 and 92
PL4		Platform Running Frieze	Continuous sign running partial or entire length of platform	1	Wall mounted	D 19 W varies H varies	Zone 1	No	p58
	CM	Platform Running Frieze	Suspended facility name sign with downlight	2	Suspended	D100 W varies H varies	Zone 1	Yes	p68
	CM	Platform Running Frieze	Suspended facility name sign with downlight and illuminated content	2	Suspended	D100 W varies H 312	Zone 1	Yes	p69
PL5	WM	Line Diagram	Wall mounted line diagram sign	1	Wall mounted	D 19 W 912 H 1512	Zone 2	No	p57
	FS	Line Diagram	Freestanding line diagram sign	2	Freestanding	D 150 W 912 H 2100	n/a	No	p79
PL6		In-carriage Line Diagram	Line diagram for application in transit vehicles	1	Poster insert/ application	-	n/a	No	-

*Typical overall sizes are given for indicative purposes. Site specific sign sizes will be defined by the Signage Lead based on sign content. These sizes will then be validated by the Sign Contractor at the given sign locations.

Sign code	Product suffix	Sign name	Description	Number of sign faces	Mounting types	Typical overall sizes (mm)*	Mounting height zone	Power	Drawing
BU1.1		Bus Stop Finial	Finial product to be attached to existing posts	2	Post mounted	D 50 W 220 H n/a	n/a	No	p124
BU1.2		Bus Stop Flag	Simple post mounted bus flag	2	Post mounted	D 350 W 697 H 3200	n/a	No	p125
BU1.3		Bus Stop Flag: Vertical Layout	Simple post mounted bus flag	1	Post mounted	D TBC W 200 H TBC	n/a	No	p126
BU2.1		Bus Stop Flag: Basic Layout	Simple post mounted bus flag	2	Post mounted	D 350 W 697 H 3200	n/a	No	p127
BU2.2		Bus Stop Flag: Basic Vertical Layout	Simple post mounted bus flag	1	Post mounted	D TBC W 200 H TBC	n/a	No	p128
BU3.1		Bus Bay Flag: Standard Layout	Simple post mounted bus flag	2	Post mounted	D 350 W 697 H 3200	n/a	No	p129
BU3.2		Bus Bay Flag: Basic Layout	Simple post mounted bus flag	2	Post mounted	D 350 W 697 H 3200	n/a	No	p130
BU4		Interior Bus Bay ID	Simple panel sign showing bus routes at terminal	1	Wall mounted	D 19 W 1512 H 462	Zone 1	No	p137
BU5.1	1P	Bus Schedule Panel	Small postercase attached to post below flag	1	Post mounted	D 33 W 272 H 872	Zone 4	No	p132
	2P	Bus Schedule Panel	Two postercases attached to post below flag	2	Post mounted	D 33 W 272 H 872	Zone 4	No	p132
	3P	Bus Schedule Panel	Three postercases attached to post below flag	3	Post mounted	D 33 W 272 H 872	Zone 4	No	p132
BU5.2		Service Disruption Panel	Graphic alternative to BU5.1	2	Post mounted	W TBC H TBC	Zone 4	No	p132
BU6		Bus Stop Guide	Small post mounted graphic	1	Post mounted	D 33 W TBC H 450	Zone 4	No	p135
BU7		Bus Schedule eInk	Solar panels attached above flag and an eInk display attached to post below flag	1	Post mounted	D 51.5 W 269 H 1046	Zone 4	Yes	p133

*Typical overall sizes are given for indicative purposes. Site specific sign sizes will be defined by the Signage Lead based on sign content. These sizes will then be validated by the Sign Contractor at the given sign locations.

Sign code	Product suffix	Sign name	Description	Number of sign faces	Mounting types	Typical overall sizes (mm)*	Mounting height zone	Power	Drawing
NS1		Regulatory Information	Simple small panel	1	Wall mounted	D 19 W 412 H 312	Zone 3B	No	p81
NS2		Safety/ Emergency	Small flat sign	1	Wall mounted	D TBC W 200 H 300	Zone 3B	No	p82
NS3		Prohibitions	Small flat sign	1	Wall mounted	D TBC W 200 H 300	Zone 3B	No	p83
NS4		CCTV	Small flat sign	1	Wall mounted	D TBC W 200 H 300	Zone 3B	No	p84
DS1		Digital Screen: Freestanding	Freestanding screen totem	1	Freestanding	D 200 W 784 H 2100	n/a	Yes	p139
DS2.1		Digital Screen: Suspended	Single suspended screen	1	Suspended	D 590 W 731 H 1267	Zone 1	Yes	p142
DS2.2		Digital Screen: Suspended	Two suspended screens	2	Suspended	D 1426 W 731 H 1267	Zone 1	Yes	p142
DS3		Digital Screen: Bus Bay	Post mounted screen with bus bay flag	1	Post mounted	D 590 W 886 H 4393	n/a	Yes	p144
DS4		Digital Screen: Freestanding, Portable	Post mounted portable	1	Post mounted on a portable base	D 500 W 784 H 2265	n/a	Yes	p140

*Typical overall sizes are given for indicative purposes. Site specific sign sizes will be defined by the Signage Lead based on sign content. These sizes will then be validated by the Sign Contractor at the given sign locations.

3.0 Product standards and specifications

This section includes general specification and sign type specific design intent drawings.

3.1 Introduction

This section includes general specifications for use across the sign family as well as sign type specific design intent drawings.

Design intent drawings do not represent final, tested designs and should not be used as manufacturing drawings. Some designs have not previously been implemented, whereas other designs have been previously implemented but are subject to evaluation. As sign types included in this manual are implemented, further evaluation will be undertaken that will refine and improve the quality and approach of the designs.

Through this process of implementation, the standards will be reviewed to ensure they are comprehensive, robust and long-lasting. Designs are subject to revision in subsequent versions of this document as a result of learnings taken from pilot and initial implementation projects across the region.

Metrolinx should be consulted before any designs presented in this document are implemented to ensure specifications represent an agreed and finalized approach. Drawings in this manual should not be used for manufacture without consultation with Metrolinx.

3.2 General specification

3.2.1 General

Designs included as part of the Metrolinx Wayfinding Design Standard (WDS) are intended as a family of products for implementation at transit facilities across the Greater Golden Horseshoe (GGH). Products should be consistent across the network, with the highest standards for performance, detailing and finish.

This general specification relates to the initial set of product designs that have been developed. As the system expands it is likely that new products will have to be developed to meet specific needs that had not been envisaged by the standard previously. On these occasions, new designs should be developed with a consistency of specifications with existing product designs in terms of proposed method of construction, materials and finishes to ensure a common approach.

3.2.2 Limitations and further development

The drawings and specifications of the designs have been developed to a stage of 'design intent'. All designs will need to be further developed in order to be considered fully specified.

The following issues should be considered as the designs are developed towards a level of being optimal for use:

- Evaluation and testing: All products should be evaluated and tested through prototyping. The prototypes should be tested and evaluated to establish whether the design is successful and in what way they could be improved. Designs should be evaluated in the first instance from the perspective of the user, operations and maintenance. Secondly, ease of production and cost should be considered.
- Network-wide application: Designs have been developed with a clear acknowledgement of the need for signage that is simple in approach to be applicable for use across a wide range of transit facilities. However, inevitably across such a large network, there will be the need for further consideration of alternative methods of fixing or fitting to different architectural formats. Designs may have to be modified to address challenges that are specific to particular facilities that are yet to be addressed in this version of the Sign Implementation Manual.
- Development of further sign types: There may be the need for not only existing designs to be modified, but also further sign types to be developed for locations within the network that the existing sign typology does not adequately support. On these occasions, Metrolinx should be contacted to discuss the particular requirements.
- Economies of scale: The scheduling of implementation will dictate quantities and speed of delivery. Mass roll-out or larger batch production may result in the opportunity for further improvements and cost savings afforded by value engineering and economies of scale.

3.2.3 Performance of products

All finished components, materials, methods of construction and mounting hardware is expected to have a minimum life expectancy of 15 years under normal circumstances. It will be the Sign Contractor's responsibility to ensure the finished works meet or exceed the specified life expectancy. Details of maintenance requirements necessary to meet this specification will be documented by the Sign Contractor and provided in the form of a maintenance manual.

All materials utilized to construct, finish or fix these signage products will be appropriate to the environmental conditions of the surroundings. Consideration will be given not only to weather conditions and the possible corrosion it may cause, but also to issues of vandalism, health and safety.

The Sign Contractor is responsible for ensuring that all components are fit for purpose and conform to all relevant local codes and regulations. This includes, but is not limited to, structural engineering, installation fixing methods and any highway guidance where components are located in the sidewalk adjacent to the highway.

All products and materials described in this specification, with the exception of electrical components shall be covered by a full performance guarantee (parts and labour) for a period of 3 years and their structural integrity shall be under warranty as specified by Metrolinx in the Section 10400 Static Signage documentation. Where the original material supplier's warranty exceeds these periods then the material supplier's warranty shall apply. The warranty period shall commence from the date of installation sign off.

3.2.4 Structural calculations

In all cases the Sign Contractor shall be responsible for ensuring that the finished product is structurally sound for the service conditions which would be reasonably expected. This shall include any structural calculations as required.

The Sign Contractor will provide structural calculations that prove the adequacy of the structure and foundations. The foundation sizes are to be calculated to be the minimum size that will meet with local conditions. Foundation sizes are to be minimized to reduce the environmental impact of the sign and to assist with avoiding underground obstructions. It may be necessary for alternative foundation sizes to be used specific to the requirements of individual locations.

In addition to required foundation sizes, the calculations should state general and specific assumptions made which should include, but not be limited to, wind load, direct loads, ground bearing capacity and malicious people loading.

Malicious people loading shall as a default, be assumed to be 2KN acting mid height on the sign; but only taken into consideration where this is greater than the force imposed by wind loading. This approach and all calculations are to be verified, signed and approved by an engineer.

3.2.5 Visual standards

The Sign Contractor shall be responsible for ensuring that all colours and finishes are compatible with materials or substrates to which they are to be applied, in respect of aging, colour fastness, light reflectance and physical and chemical properties, such that the performance when applied shall at least be equal to the performance standards quoted by the manufacturer of the colour finishing material.

All applied finishes and materials shall be free of any visible or hidden defects. Visual elements, including self-coloured materials, applied colour finishes and graphics, shall not show symptoms of colour fade, degradation, brittleness or substrate interaction as a result of aging and/or exposure to daylight, artificial light, climatic and local environmental conditions such

that the colours change beyond the material manufacturer's projected tolerances within the defined period.

All text and graphics shall be set out in accordance with provided specification documents, associated drawings or supplied artwork files.

3.2.6 Materials

Materials shall be as follows:

- In conformity with the current applicable Ontario and Canadian Standard Codes, where applicable.
- New, the best of their respective kind and suitable for their purposes.
- Free from corrosion, prime painted and compatible with the final finish, where applicable.
- Allow for expansion/contraction of materials.
- Provide insulation between dissimilar metals to prevent electrolysis, where applicable.

Manufacturers can, where necessary, use their preferred base material sizes/formats if more commonly available and/or to benefit to the project, whilst ensuring that overall visual dimensions shown within this document for the signs and parts shown are not affected, overall sizes of the graphic panels do not change and the overall intended aesthetic at design intent level is retained. Manufacturers must document any such changes and seek client approval.

Concrete

Concrete for footings shall be of structural quality and free of defect and constructed to Canadian Standard Codes for Concrete Reinforcement and Form work. Neat and uniform surrounds where visible.

Metalwork

All work shall be of a high standard, accurately and neatly constructed and securely fitted and fixed. Similar fabrication techniques and detailing shall be used in all associated fabrications and items to ensure continuity of finished appearance.

Metalwork should be prefabricated and pre-assembled in the workshop to the maximum size practicable in consideration of delivery limitations, site conditions and site access.

Corrosion resistant finishes to metalwork and assemblies shall comply with the appropriate QCS requirements and be certified to provide a corrosion free life.

Welding

Welded, brazed or soldered joints on exposed surfaces shall be ground, buffed or polished as applicable to the material and specified finish. There shall be no buckling or visible surface colour variations in exposed material metal finishes.

Aluminum

Aluminum sheet and extruded sections where specified to be used. Single full sheets are to be used for each sign face; there are to be no joints in sheet unless otherwise shown on drawings. Folded corners of aluminum sheet material shall be fully closed and be made neatly without pinching or other visible defects. The corners shall be made secure against accidental lifting.

Mild Steel
All mild steel work to be hot dipped galvanized to protect against corrosion.

Plastics
Acrylic sheet to be of a UV stabilized quality cast or extruded high impact type, approved by Metrolinx to suit the application. Acrylic should be non-glare. Clear UV Polycarbonate sheet where specified should be non-glare.

Glass
All glass should be tempered low iron extra clear float glass, or approved equivalent. It should be non-glare and of the highest possible clarity. Safety edges must be applied around all glass elements to ensure safe handling.

Tolerances
Unless otherwise specified, all fabrications shall be manufactured to a tolerance of +/- 0.5mm in respect of parallel and square truth and in respect of the overall dimensions shown on the drawings.

Section 10400 Static Signage applies in all instances where a specification is not provided within this documentation.

3.2.7 Finishes

Finishes shall generally be as follows:

- Edges and surfaces should be clean, neat and free from burrs and indentations. Remove sharp edges to a fine pencil round without excessive radiusing. All visible joints in materials shall be even, hairline joints unless noted otherwise and approved on shop drawings for specific functional or visual requirements.
- Match colour of sheets, extrusions and heads of fastening in colour finished work.

Powder coating
Powder coated finishing should meet the warranty periods as specified by Metrolinx in the Section 10400 Static Signage documentation, without fade or chalking. All powder coating finishes to be 60% gloss.

Section 10400 Static Signage applies in all instances where a specification is not provided within this documentation.

3.2.8 Graphic Application

Vinyl Graphics
All vinyl films are to be from exterior grade cast vinyl with a minimum external warranty of 8 years and must be compatible with the material and/or substrate to which they are applied. All vinyl should be non-glare.

Compatibility includes all aspects of colour in respect of aging, colour fastness, bond longevity and physical and chemical properties. The use and application of the vinyl shall be executed fully in accordance with the manufacturer's specification to ensure the application of the vinyl manufacturer's warranty.

The vinyl graphic when applied to its substrate should not show any signs of creases, air bubbles or inclusions that would detract from the overall aesthetic appearance of the graphic display.

Ensure only one brand of vinyl is used where multiple layer graphics are required. Vinyl should be cut from self-coloured self-adhesive vinyl by computer operated flat bed knife cutter or another accurate technique.

Alternative vinyl samples may be submitted for review. Alternatives will need to strictly adhere to the above criteria and be approved by Metrolinx prior to use.

Graphic layout and artwork
The Sign Contractor will supply a schedule identifying deadlines and dependencies for the supply of artworks for signage graphics and installed posters for Client approval.

The Sign Contractor will be responsible for checking and querying artworks before committing to production. Where necessary the Sign Contractor shall produce a visual mock-up of a product to illustrate queries. Once satisfied the Sign Contractor shall be responsible for producing all signage graphics and prints from the supplied artworks.

Information Hub posters and graphic quality
On the Information Hub products, proprietary poster frames will require relatively regular updates and will need to be easily accessed for removal and replacement of information. So this can be achieved, the design must incorporate a substrate in which map information can be applied and should be capable of reuse.

All substrates on which graphics are to be printed should allow for the necessary high quality of print for the artwork provided. Graphics should be sharp, high resolution and of even colour, free from pixelization or other negative qualities. Samples to be provided to Metrolinx for approval.

The poster cases used must be of appropriate external grade with sufficient sealing and ventilation to prevent water ingress and/or condensation build up within them.

3.2.9 Braille and Tactile Lettering

All signs requiring Braille and Tactile Lettering should conform to CSA B651-12 Accessible design for the built environment, sections 4.5.6 (Tactile Signs) and E.20.4 (Braille).

3.2.10 Mounting Hardware

All screws, bolts, rivets, pop rivets, plain and countersunk fastenings and washers should conform to the appropriate QCS and ASTM standards and shall be materially suitable for the applicable purposes.

Visible mounting hardware should be avoided, but where unavoidable it will be kept to a minimum, be countersunk or counter bored flush, finished in the same colour as the component surface. Unless otherwise noted on the drawings or in this specification all exposed screw heads shall be stainless steel countersunk socket head screws finishing flush with surface.

Methods employed for the provision of opening / securing enclosures shall be sufficient to provide safe and secure operation.

Adhesives must be suitable for their application and applied as per manufacturer's instructions.

3.2.11 Ingress Protection

Signs are to be installed in external public spaces. As such they will need to be suitably detailed and manufactured to protect against the ingress or build-up of dirt or moisture that might affect the life or effectiveness of the structure/sign, or damage any internal equipment that may be housed in the structure now or in the future.

3.2.12 Drawings

All drawings and data included in this document are for reference only. The Sign Contractor must produce all manufacturing and certified shop drawings. As built drawings must also be submitted by the Sign Contractor to the Client.

Indicative dimensions are provided in the drawings for the purpose of communicating the approximate size of the products. Particularly pertinent where dimensions are noted as variable, final sign dimensions will be provided as part of the Sign Contractor's shop drawings, and will be dependent on the Sign Contractor's detailed survey of each sign location to ascertain available space.

The Sign Contractor shall notify Metrolinx of any variations from the given dimensions and conditions shown by these and any subsequent drawings. Changes will be documented as part of the shop drawings supplied by the Sign Contractor for approval prior to production.

3.2.13 Standard Provisions, Codes and Standards

All work and materials shall comply with the Building Code of Ontario, the Workplace Health and Safety Act, and, except where otherwise noted in this Specification, comply with the latest editions of all relevant Canadian codes or standards (current issue). All signs with electric parts should be CSA approved and bear the CSA label in a non-visible place.

Section 10400 Static Signage applies in all instances where a specification is not provided within this documentation.

3.2.14 Maintenance and Replacements

The Information Hub designs consist of a proprietary postercase extrusion system capable of housing a ANSI E landscape or ANSI D poster. The system needs to be easily accessible for regular changing of posters. Each poster frame requires key access in order that posters are only accessed by authorized personnel.

Each poster frame of the Information Hub signs must be removable from the frame to allow for replacement and maintenance. Detailing and fixing will be such that this can be done without damage to the main structure. Likewise, all graphic elements of the bus bay/stop signs are required to be easily updatable.

Sign faces will need to be cleaned on a regular basis. Cleaning methods, substances and constraints will be documented by the Sign Contractor within a maintenance manual provided to the Client upon handing over the project.

The means of maintenance access in the signs shall be such as to minimize the risk of damage to any part of the sign during the maintenance process. The sign design and installation shall provide access to maintainable

components without risk of injury to the service engineer or third parties, and provide for maintenance work to be undertaken by a maximum of two persons.

For purposes of traceability, the Sign Contractor must fix an identification plate to each pole and an indelible sticker to each sign in a discrete position.

3.2.15 Contrast Elements

Contrast elements should be added to freestanding or post mounted signs where there is potential to cause obstruction to passing pedestrians. Contrast elements increase the visual contrast between the sign and the transit facility environment, reducing the risk of pedestrians inadvertently walking into signs.

Section 5.0 of this document defines when contrast elements should be applied to signs, as well as specification for how this should be done.

3.3 Standard finishes

Colour	Paint	Vinyl	Digital Print
System Black	P1 To match PMS Process Black C	V1 3M-7725-12 Black	D1 To match PMS Process Black C
System White	P2 White	V2 3M-7725-10 White V2R 3M 680-19 White Scotchlite Reflective Film	
Translation Grey 1	P3 To match PMS 428C	V3 3M Medium Gray 7725-31	D3 To match PMS 428C
Translation Grey 2		V4 To match PMS 431C	
Exit Yellow		V5 Avery Pantone Process Yellow C SC 900-206-O	
Accessible Blue	P6 To match PMS 285C	V6 Avery Pantone 285C SC 900-625-O	
Clear Anodized	P7		
Dark Grey	P8 RAL 7015 Slate grey		
Aluminum Grey	P9 RAL 9006 White aluminum, super durable grade		

Where colours not listed as standard finishes are required the Sign Contractor should submit samples of possible finishes for approval by Metrolinx. As a guide, colours defined for use across the system are defined in the Wayfinding Design Standard (WDS).

All vinyl application to have vinyl overlaminate: Avery Dennison HP DOL 2080 Matte Permanent Kraft

3.4 Design intent drawings

3.4.1 Folded pan / Wall mounted

Relevant sign types
TH4
TH6
TH8
AM1.1
AM2.1
AM2.5
DR1.1
PL2
PL5
PL4

Overall sign dimensions
Please refer to design intent construction drawing(s) and standard sizes for size variants.

Description
Wall mounted pan-type signs with frame detail. AM2.5 is sheet-only type construction.

Materials and construction
Refer to design intent construction drawing(s).

Power, lighting and data
Power supply required to sign type TH4, to be concealed within sign structure.

Finishes
Refer to design intent construction drawing(s).

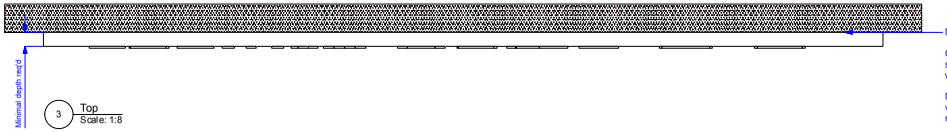
Colours
Refer to design intent construction drawing(s).

Installation
Please refer to Section 4.0 Mounting Guides.

Design intent construction drawing(s)
03.WM TH4
04.WM TH6
06.WM TH8
09.WM AM1.1
10.WM AM2.1
11.WM AM2.5
12.WM DR1.1
13.WM PL2
14.WM PL5
15.WM.PL4

1 3D

2 3D Illuminated

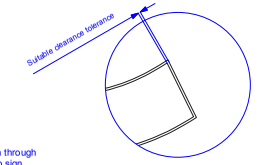


3 Top
Scale: 1:8

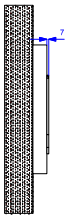
MOUNTING

Cable access hole to LED illumination through sign body and to be fitted externally to sign within building

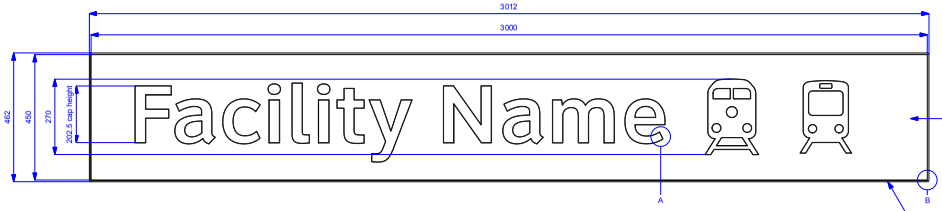
Manufacturer to detail mounting method; no visible fixings and all wall fixings to suit mounting surface



6 Detail A: Graphic content
Scale: Actual Size



4 Left
Scale: 1:8



5 Front
Scale: 1:8

GRAPHIC PANEL - FACILITY NAME P1

Panel to be folded 1/8 inch thick aluminum with a powder coated finish to match PMS Process Black C, all corners to be welded and dressed back and laser cut apertures for graphic content, with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

Graphic content to be suitable CNC cut 10mm thick opaque white acrylic pushed through with internal day/night sensor controlled illumination

LED colour temperature = between 5000 and 5700K, subject to Metrolinx approval

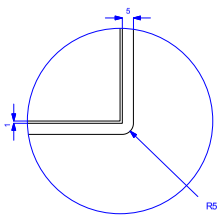
Luminance of white sections to be a minimum of 200cd/m sq.

Panel to be fully removable from the sign assembly to allow for updating

FRAME P9

5mm thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings



7 Detail B: Frame
Scale: Actual Size

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Size variants
Refer to Wayfinding Design Standard for standard sign size variants, an indicative size is shown

Alternative finish(es)
If required, this sign type may also be produced using the specification detailed for the AM1.1 sign type.

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE:	DRAWN BY:
30.11.18	JH
CHECKED BY:	APPROVED BY:
RC	
SCALE:	
VARIES @ ARCH D	

METROLINX

TYPE:	Threshold Marker
LABEL:	TH4
NAME:	Facility Entrance
MOUNTING:	Wall mounted
ILLUMINATION:	Illuminated

CONTRACT NO.	DWG. NO.	REV.	SHEET
	03.WM TH4		1 of 1

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

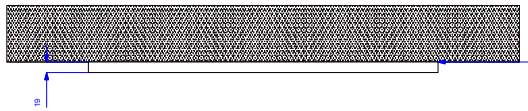
Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

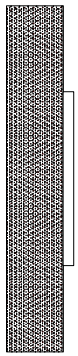
Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

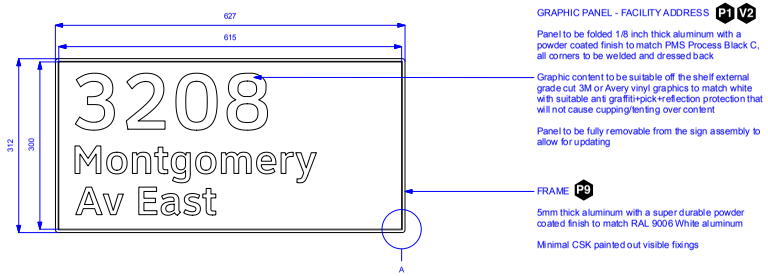
1 3D



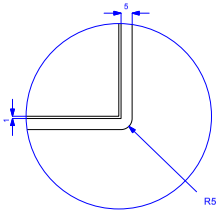
2 Top
Scale: 1:4



3 Left
Scale: 1:4



4 Front
Scale: 1:4



5 Detail A: Frame
Scale: Actual Size

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

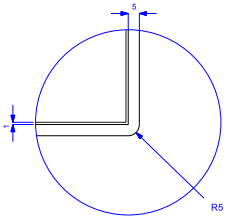
DATE: 30.11.18	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

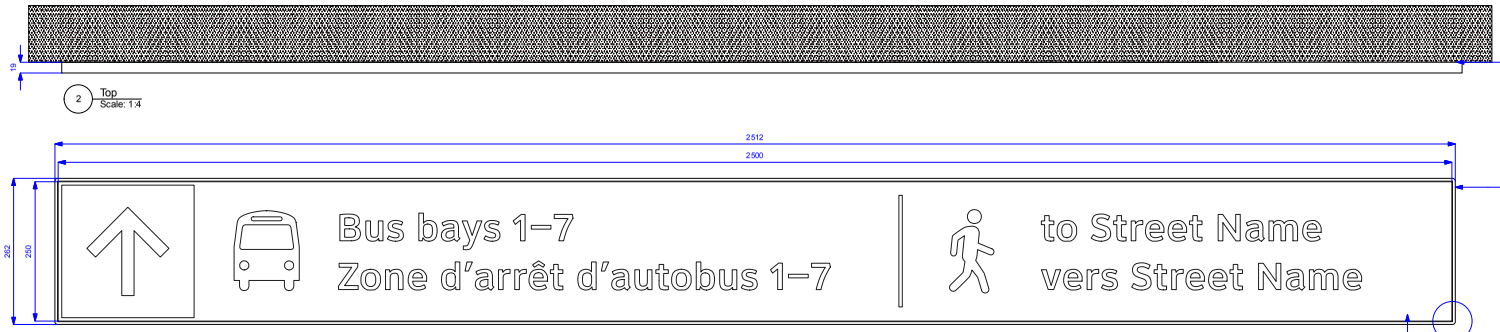
TYPE:	Threshold Marker
LABEL:	TH6
NAME:	Facility Address
MOUNTING:	Wall mounted
ILLUMINATION:	None

CONTRACT NO.	DWG. NO.	REV.	SHEET
	04.WM TH6		1 of 1

1 3D



5 Detail A: Frame
Scale: Actual Size



2 Top
Scale: 1:4

3 Left
Scale: 1:4

4 Front
Scale: 1:4

MOUNTING

Manufacturer to detail mounting method; no visible fixings and all wall fixings to suit mounting surface

FRAME P9

5mm thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings

GRAPHIC PANEL - FACILITY EXIT

P1 V2 V3 V5 Or artwork dependent: V6

Panel to be folded 1/8 inch thick aluminum with a powder coated finish to match PMS Process Black C, all corners to be welded and dressed back

Content to be suitable off the shelf external grade cut vinyl graphics with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

Panel to be fully removable from the sign assembly to allow for updating

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Size variants
Refer to Wayfinding Design Standard for standard sign size variants, an indicative size is shown

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

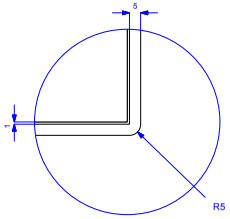
DATE: 30.11.18	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

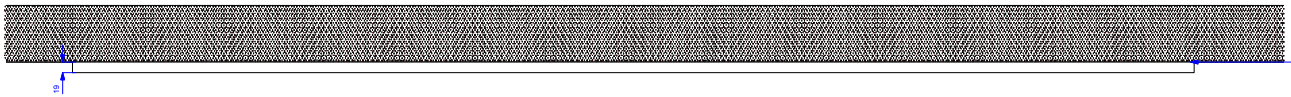
TYPE:	Threshold Marker
LABEL:	TH8
NAME:	Facility Exit
MOUNTING:	Wall mounted
ILLUMINATION:	None

CONTRACT NO.	DWG. NO.	REV.	SHEET
	06.WM TH8		1 of 1

1 3D



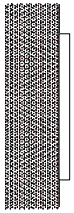
5 Detail A: Frame
Scale: Actual Size



2 Top
Scale: 1:4

MOUNTING

Manufacturer to detail mounting method; no visible fixings and all wall fixings to suit mounting surface



3 Left
Scale: 1:4

4 Front
Scale: 1:4

FRAME P9

5mm thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings

GRAPHIC PANEL - ELEVATOR ID P1 V2 V3 V6

Panel to be folded 1/8 inch thick aluminum with a powder coated finish to match PMS Process Black C, all corners to be welded and dressed back

Content to be suitable off the shelf external grade cut 3M or Avery vinyl graphics to match white, Pantone 285 C and Medium Gray with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

Panel to be fully removable from the sign assembly to allow for updating

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Size variants
Refer to Wayfinding Design Standard for standard sign size variants, an indicative size is shown

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

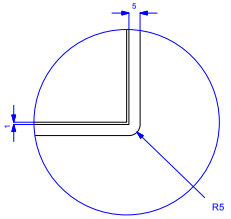
DATE: 30.11.18	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

TYPE:	Amenity Marker
LABEL:	AM1.1
NAME:	Elevator ID
MOUNTING:	Wall mounted
ILLUMINATION:	None

CONTRACT NO.	DWG. NO.	REV.	SHEET
	09.WM AM1.1		1 of 1

1 3D



5 Detail A: Frame
Scale: Actual Size

2 Top
Scale: 1:4

3 Left
Scale: 1:4

4 Front
Scale: 1:4

MOUNTING

Manufacturer to detail mounting method; no visible fixings and all wall fixings to suit mounting surface

FRAME P9

5mm thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings

GRAPHIC PANEL - AMENITIES ID P1 V2 V3

Panel to be folded 1/8 inch thick aluminum with a powder coated finish to match PMS Process Black C, all corners to be welded and dressed back

Content to be suitable off the shelf external grade cut 3M or Avery vinyl graphics to match white and Medium Gray with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

Panel to be fully removable from the sign assembly to allow for updating

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Size variants
Refer to Wayfinding Design Standard for standard sign size variants, an indicative size is shown

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE: 30.11.18	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

TYPE:	Amenity Marker
LABEL:	AM2.1
NAME:	Amenities ID
MOUNTING:	Wall mounted
ILLUMINATION:	None

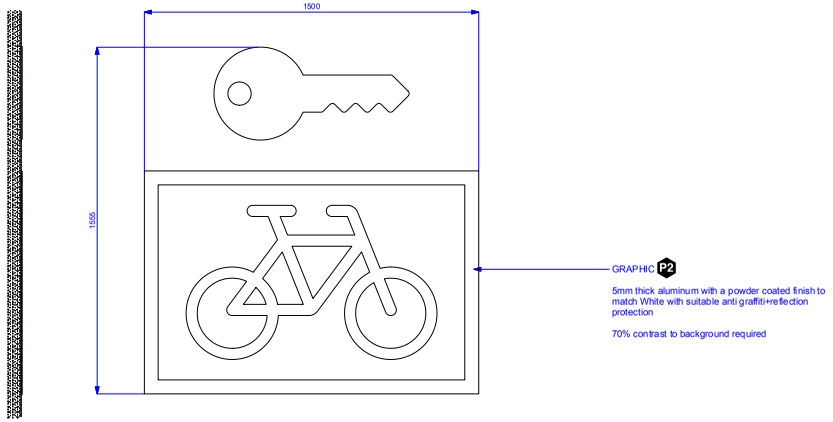
CONTRACT NO.	DWG. NO.	REV.	SHEET
	10.WM AM2.1		1 of 1

Type A: when applied to a background that is dark

1 3D

2 Top
Scale: 1:10

Manufacturer to detail mounting method; no visible fixings and all wall fixings to suit mounting surface



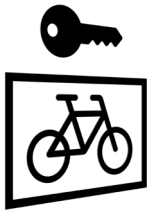
5mm thick aluminum with a powder coated finish to match White with suitable anti graffiti+reflection protection

70% contrast to background required

3 Left
Scale: 1:10

4 Front
Scale: 1:10

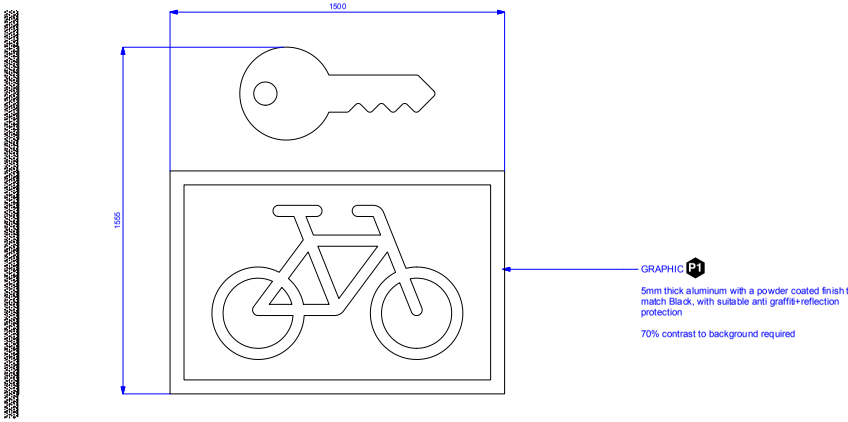
Type B: when applied to a background that is light



5 3D

6 Top
Scale: 1:10

Manufacturer to detail mounting method; no visible fixings and all wall fixings to suit mounting surface



5mm thick aluminum with a powder coated finish to match Black, with suitable anti graffiti+reflection protection

70% contrast to background required

7 Left
Scale: 1:10

8 Front
Scale: 1:10

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Mounting surface
A minimum colour contrast of 70% is required between the sign and mounting surface, this criteria should be used when selecting which Type A or B is used

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

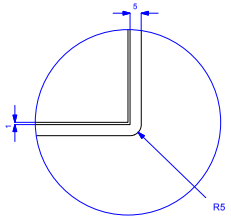
DATE: 30.11.18	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

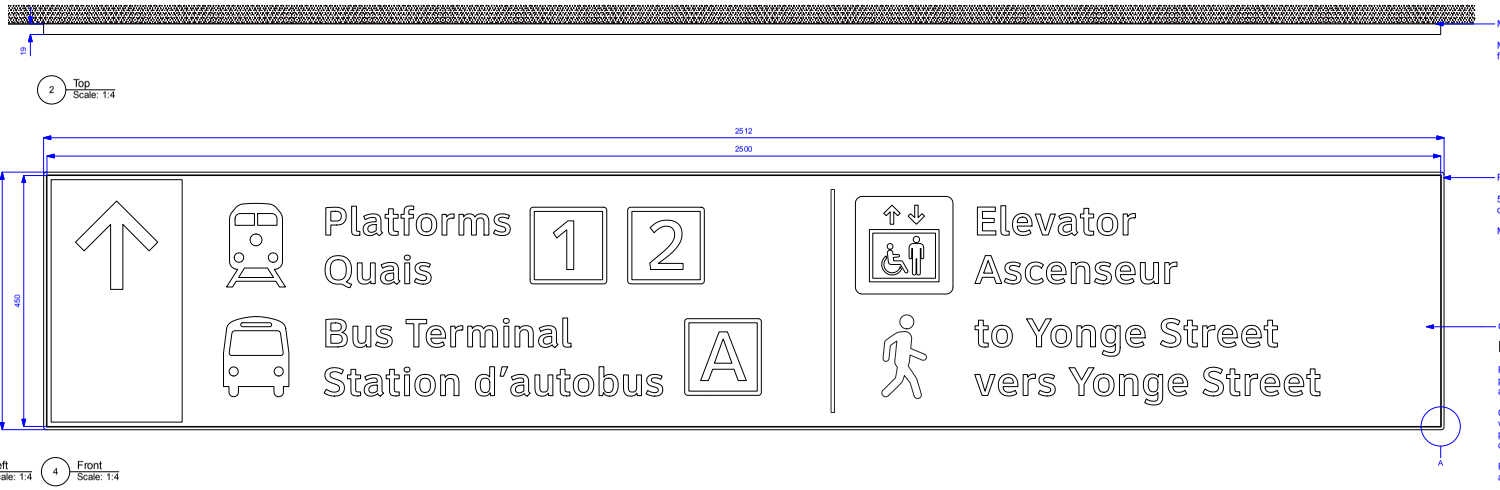
TYPE:	Amenity Marker
LABEL:	AM2.5
NAME:	Amenities ID - Large Format
MOUNTING:	Wall mounted
ILLUMINATION:	None

CONTRACT NO.	DWG. NO.	REV.	SHEET
	11.WM AM2.5		1 of 1

1 3D



5 Detail A: Frame
Scale: Actual Size



2 Top
Scale: 1:4

3 Left
Scale: 1:4

4 Front
Scale: 1:4

MOUNTING

Manufacturer to detail mounting method; no visible fixings and all wall fixings to suit mounting surface

FRAME P9

5mm thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings

GRAPHIC PANEL - DIRECTIONAL

P1 V2 V3 V5 Or artwork dependent: V6

Panel to be folded 1/8 inch thick aluminum with a powder coated finish to match PMS Process Black C, all corners to be welded and dressed back

Content to be suitable off the shelf external grade cut vinyl graphics with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

Panel to be fully removable from the sign assembly to allow for updating

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Size variants
Refer to Wayfinding Design Standard for standard sign size variants, an indicative size is shown

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

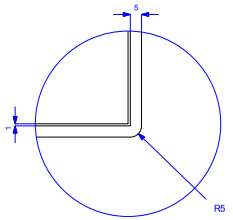
DATE:	DRAWN BY:
30.11.18	JH
CHECKED BY:	APPROVED BY:
RC	
SCALE:	
VARIES @ ARCH D	

METROLINX

TYPE:	Directional
LABEL:	DR1.1
NAME:	Directional Sign
MOUNTING:	Wall mounted
ILLUMINATION:	None

CONTRACT NO.	DWG. NO.	REV.	SHEET
	12.WM DR1.1		1 of 1

1 3D



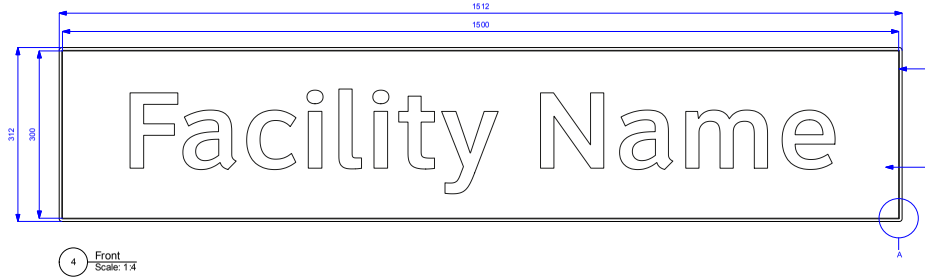
5 Detail A: Frame
Scale: Actual Size

2 Top
Scale: 1:4

MOUNTING

Manufacturer to detail mounting method; no visible fixings and all wall fixings to suit mounting surface

3 Left
Scale: 1:4



4 Front
Scale: 1:4

FRAME P9

5mm thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings

GRAPHIC PANEL - FACILITY NAME P1 V2

Panel to be folded 1/8 inch thick aluminum with a powder coated finish to match PMS Process Black C, all corners to be welded and dressed back

Content to be suitable off the shelf external grade cut 3M or Avery vinyl graphics to match white with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

Panel to be fully removable from the sign assembly to allow for updating

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Size variants
Refer to Wayfinding Design Standard for standard sign size variants, an indicative size is shown

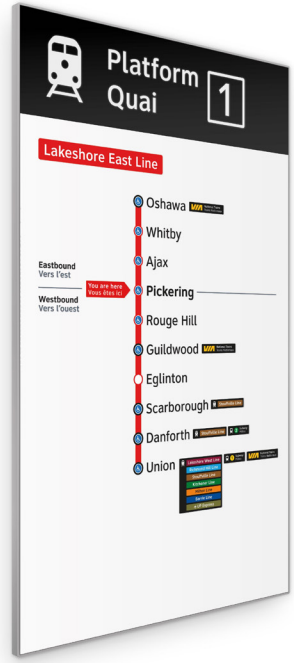
REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE: 30.11.18	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

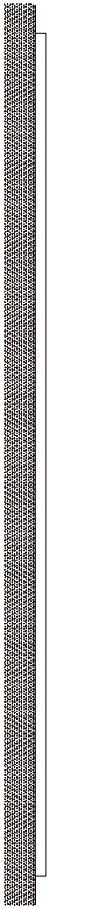
METROLINX

TYPE:	Platform Signs and Line Identification
LABEL:	PL2
NAME:	Facility Name
MOUNTING:	Wall mounted
ILLUMINATION:	None

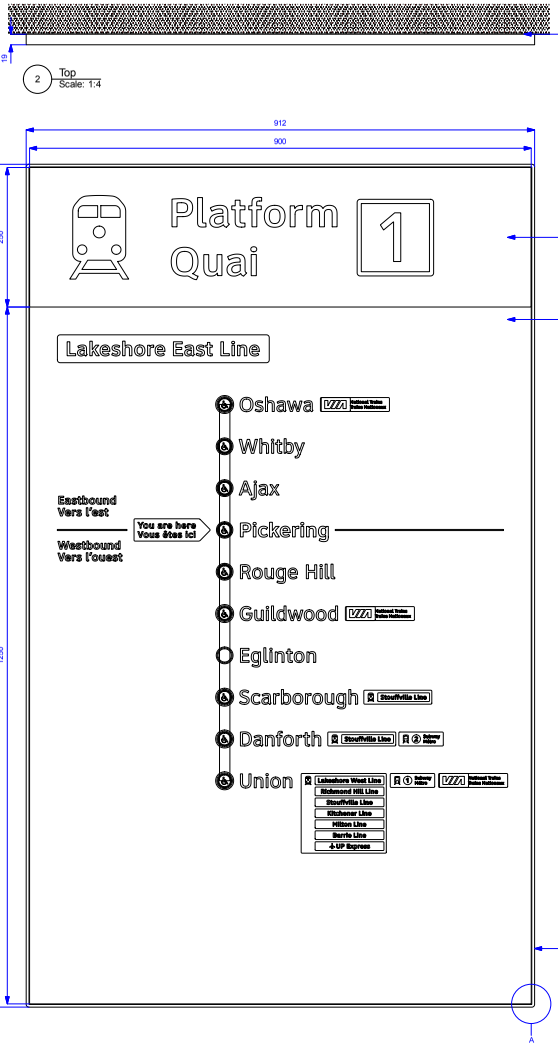
CONTRACT NO.	DWG. NO.	REV.	SHEET
	13.WM PL2		1 of 1



1 3D



3 Left
Scale: 1:4



2 Top
Scale: 1:4

4 Front
Scale: 1:4

MOUNTING

Manufacturer to detail mounting method; no visible fixings and all wall fixings to suit mounting surface

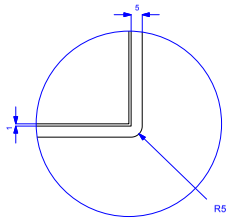
GRAPHIC PANEL - PLATFORM IDENTIFICATION & LINE DIAGRAM

Panel to be folded 1/8 inch thick aluminum, all corners to be welded and dressed back

Content to be suitable external grade, UV stable, full colour, updatable digital print with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

Manufacturer to ensure colour matching to graphic content within powder coated equivalent

Panel to be fully removable from the sign assembly to allow for updating



5 Detail A: Frame
Scale: Actual Size

FRAME PG

5mm thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE: 30.11.18	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

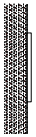
METROLINX

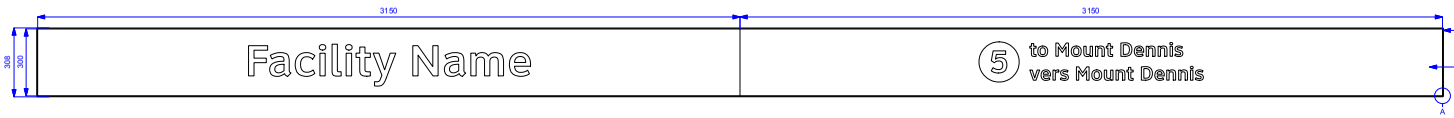
TYPE:	Platform Signs and Line Identification
LABEL:	PL5
NAME:	Line Diagram
MOUNTING:	Wall mounted
ILLUMINATION:	None

CONTRACT NO.	DWG. NO.	REV.	SHEET
	14.WM PL5		1 of 1

1 3D

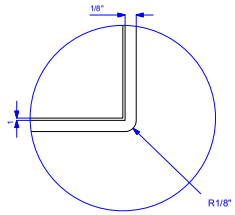
3 Top
Scale: 1:10





2 Left
Scale: 1:10

4 Front
Scale: 1:10



5 Detail A: Frame
Scale: Actual Size

MOUNTING

Manufacturer to detail mounting method; no visible fixings and all wall fixings to suit mounting surface

FRAME P9

3.175mm thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings

GRAPHIC PANEL- PLATFORM RUNNING FRIEZE P1 V2 V3

Panel to be folded 1/8 inch thick aluminum with a powder coated finish to match PMS Process Black C, all corners to be welded and dressed back

Graphic content to be suitable off the shelf external grade cut 3M or Avery vinyl graphics with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

Panel to be fully removable from the sign assembly to allow for updating

Panels to be lap jointed at intersections, no graphic content to be applied over any joints

A standard graphic panel height of 300mm is shown

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Size variants
Refer to Wayfinding Design Standard for standard sign size variants, an indicative size is shown.

Graphic panel height may vary according to location. This design is to be treated as a general principle

Alternative specification
This sign type can be applied where required as a self adhesive digital print

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE: 21.02.19	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

TYPE:	Platform signs and line confirmation
LABEL:	PL4
NAME:	Platform Running Frieze
MOUNTING:	Wall mounted
ILLUMINATION:	None

CONTRACT NO.	DWG. NO.	REV.	SHEET
	15.WM PL4		1 of 1

3.4.2 Projecting

Relevant sign types
AM1.2
DR1.2
PL1

Overall sign dimensions
Refer to design intent construction drawing(s).

Description
Double sided projecting signs with frame detail.

Materials and construction
Refer to design intent construction drawing(s).

Power, lighting and data
n/a

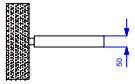
Finishes
Refer to design intent construction drawing(s).

Colours
Refer to design intent construction drawing(s).

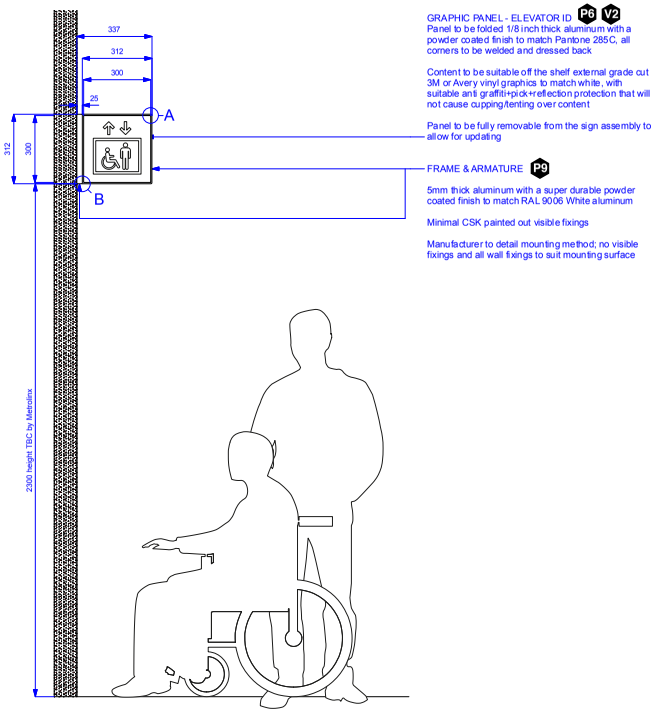
Installation
Please refer to Section 4.0 Mounting Guides.

Design intent construction drawing(s)
02.PR AM1.2
03.PR DR1.2
04.PR PL1

1 3D



2 Top
Scale: 1:10



GRAPHIC PANEL - ELEVATOR ID P8 V2
Panel to be folded 1/8 inch thick aluminum with a powder coated finish to match Pantone 285C, all corners to be welded and dressed back

Content to be suitable off the shelf external grade cut 3M or Avery vinyl graphics to match white, with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

Panel to be fully removable from the sign assembly to allow for updating

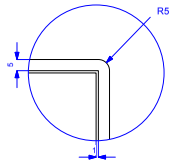
FRAME & ARMATURE P9

5mm thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

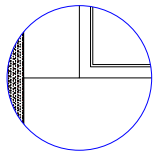
Minimal CSK painted out visible fixings

Manufacturer to detail mounting method; no visible fixings and all wall fixings to suit mounting surface

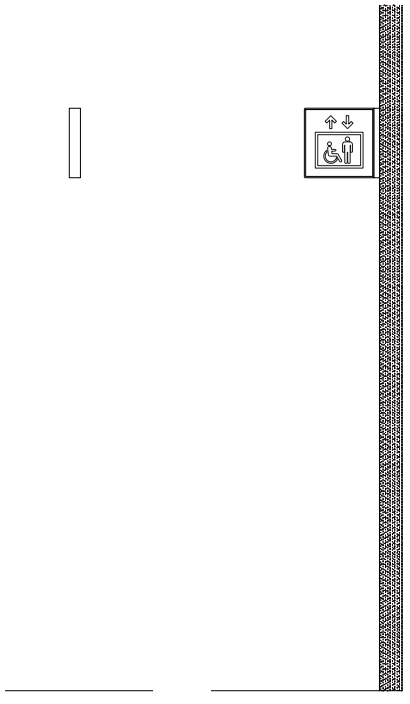
3 Front
Scale: 1:10



6 Detail A
Scale: Actual Size



7 Detail B
Scale: Actual Size



4 Right
Scale: 1:10

5 Rear
Scale: 1:10

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Floor clearance
The shown safe floor clearance is TBC by Metrolinx

Size variants
Refer to Wayfinding Design Standard for standard sign size variants, an indicative size is shown. The shown construction is applicable to sign type AM2.3 also, with alternative graphic content

Post mounted variant
In the absence of an appropriate wall surface to fix this sign type to, a post mounted variant should be used. Manufacturer to detail

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

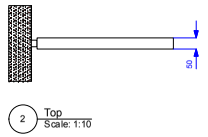
DATE: 30.11.18	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

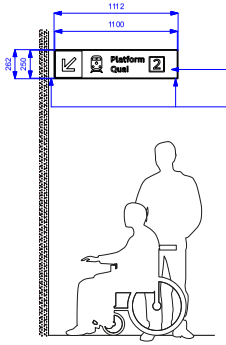
TYPE:	Amenity markers
LABEL:	AM1.2
NAME:	Elevator ID
MOUNTING:	Projecting
ILLUMINATION:	None

CONTRACT NO.	DWG. NO.	REV.	SHEET
	02.PR AM1.2		1 of 1

1 3D



2 Top
Scale: 1:10



GRAPHIC PANEL - DIRECTIONAL P1 V2 V3
Or artwork dependent: V5 V6

Panel to be folded 1/8 inch thick aluminum with a powder coated finish to match PMS Process Black C, all corners to be welded and dressed back

Content to be suitable off the shelf external grade cut 3M or Avery vinyl graphics with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

Panel to be fully removable from the sign assembly to allow for updating

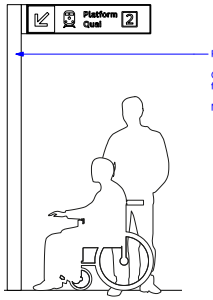
FRAME & ARMATURE P9

5mm thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings

Manufacturer to detail mounting method; no visible fixings and all wall fixings to suit mounting surface

8 Front - Variant 1: long projecting
Scale: 1:20

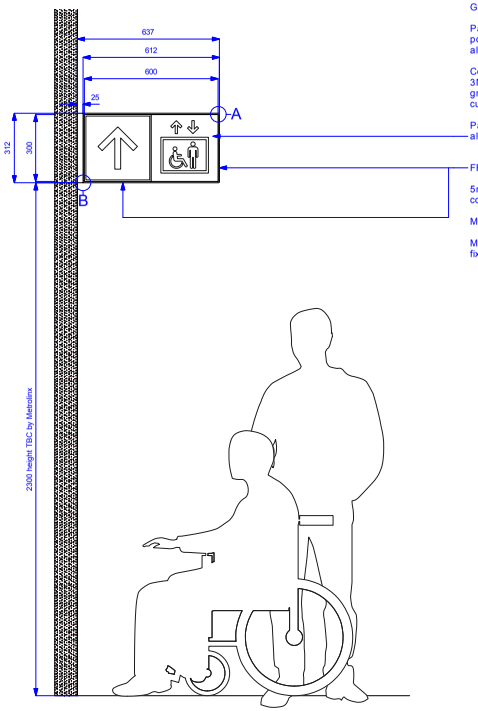


POST P9

Off the shelf SHS with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings

9 Front - Variant 2: post mounted
Scale: 1:20



GRAPHIC PANEL - DIRECTIONAL P1 V1 V2 V6

Panel to be folded 1/8 inch thick aluminum with a powder coated finish to match PMS Process Black C, all corners to be welded and dressed back

Content to be suitable off the shelf external grade cut 3M or Avery vinyl graphics with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

Panel to be fully removable from the sign assembly to allow for updating

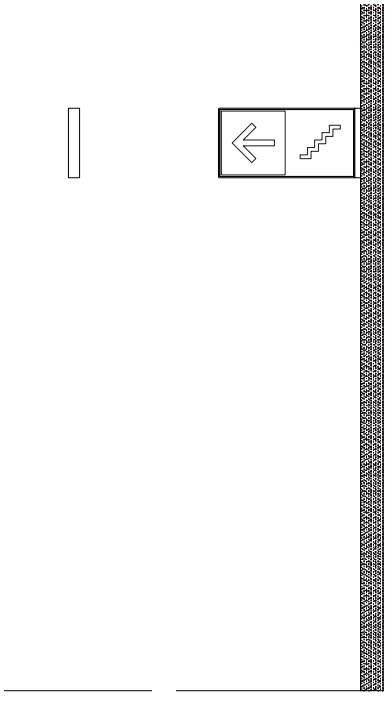
FRAME & ARMATURE P9

5mm thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings

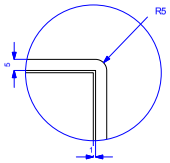
Manufacturer to detail mounting method; no visible fixings and all wall fixings to suit mounting surface

3 Front
Scale: 1:10

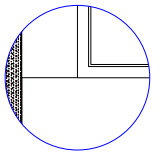


4 Right
Scale: 1:10

5 Rear
Scale: 1:10



6 Detail A
Scale: Actual Size



7 Detail B
Scale: Actual Size

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Floor clearance
The shown safe floor clearance is TBC by Metrolinx

Size variants
Refer to Wayfinding Design Standard for standard sign size variants, an indicative size is shown

Freestanding variant
In the absence of an appropriate wall surface to fix this sign type to, a post-mounted freestanding variant should be used. Manufacturer to detail

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE:	DRAWN BY:
30.11.18	JH
CHECKED BY:	APPROVED BY:
RC	
SCALE:	
VARIES @ ARCH D	

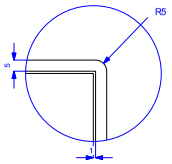
METROLINX

TYPE:	Directional Signs
LABEL:	DR1.2
NAME:	Directional
MOUNTING:	Projecting
ILLUMINATION:	None

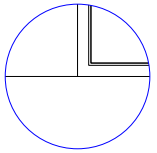
CONTRACT NO.	DWG. NO.	REV.	SHEET
	03.PR DR1.2		1 of 1

1 3D

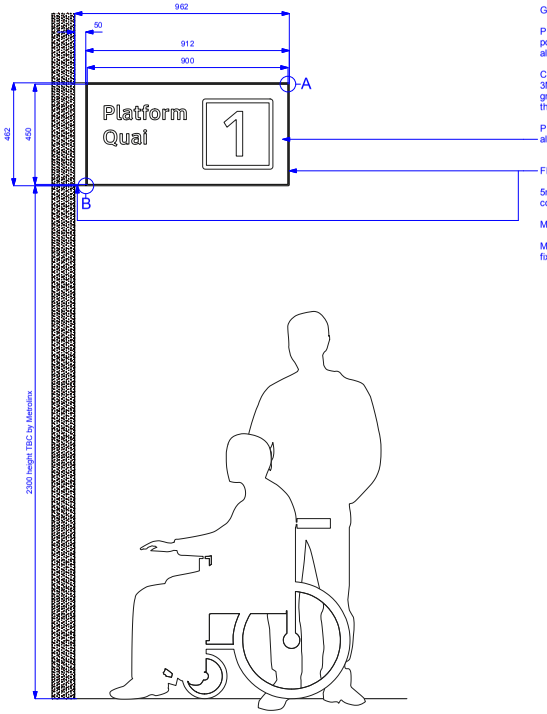
2 Top
Scale: 1:10



6 Detail A
Scale: Actual Size



7 Detail B
Scale: Actual Size



3 Front
Scale: 1:10

GRAPHIC PANEL - PLATFORM IDENTIFICATION P1 V2 V3

Panel to be folded 1/8 inch thick aluminum with a powder coated finish to match PMS Process Black C, all corners to be welded and dressed back

Content to be suitable off the shelf external grade cut 3M or Avery vinyl graphics to match white and medium gray with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

Panel to be fully removable from the sign assembly to allow for updating

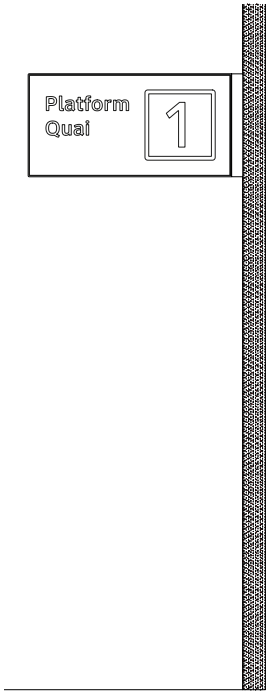
FRAME & ARMATURE P9

5mm thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings

Manufacturer to detail mounting method; no visible fixings and all wall fixings to suit mounting surface

4 Right
Scale: 1:10



5 Rear
Scale: 1:10

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Floor clearance
The shown safe floor clearance is TBC by Metrolinx

Freestanding variant
In the absence of an appropriate wall surface to fix this sign type to, a post-mounted freestanding variant should be used. Manufacturer to detail

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE: 30.11.18	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

TYPE:	Platform signs and line confirmation
LABEL:	PL1
NAME:	Platform Identification
MOUNTING:	Projecting
ILLUMINATION:	None

CONTRACT NO.	DWG. NO.	REV.	SHEET
	04.PR.PL1		1 of 1

3.4.3 Suspended

Relevant sign types
AM3
DR1.1
DR1.1 A
DR1.1 B
SUS PL4
SUS PL4 A
SUS PL2

Overall sign dimensions (mm)
D varies
W varies
H varies

Description
Designated Waiting Area ID, Directional and Platform Running signs.

Materials and construction
Refer to design intent construction drawing(s).

Power, lighting and data
Refer to design intent construction drawing(s).

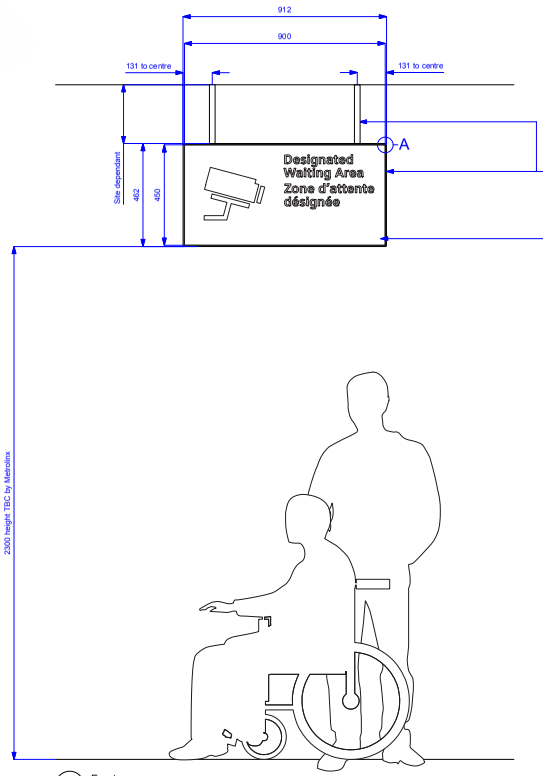
Finishes
Refer to design intent construction drawing(s).

Colours
Refer to design intent construction drawing(s).

Installation
Refer to design intent construction drawing(s).

Design intent construction drawing(s)
02.SUS.AM3
03.SUS DR1.1
04.SUS DR1.1 A
05.SUS DR1.1 B
06.SUS PL4
07.SUS PL4 A
08.SUS PL2

1 3D



2 Front
Scale: 1:10

FRAME & SLEEVES P9

Frame - 5mm thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings

Sleeves - 1 inch diameter CHS aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

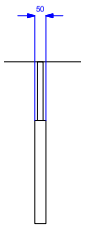
Manufacturer to detail mounting method; no visible fixings and all wall fixings to suit mounting surface. Any rods securing sign to ceiling are to be concealed within sleeves

GRAPHIC PANEL - DWA P1 V2 V3

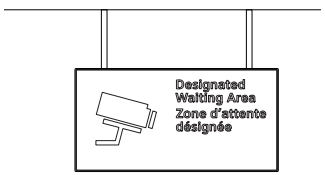
Panel to be folded 1/8 inch thick aluminum with a powder coated finish to match PMS Process Black C, all corners to be welded and dressed back

Content to be suitable off the shelf external grade cut 3M or Avery vinyl graphics to match white and Medium Gray with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

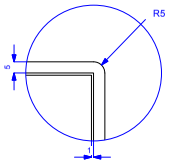
Panel to be fully removable from the sign assembly to allow for updating



3 Right
Scale: 1:10



4 Rear
Scale: 1:10



5 Detail A
Scale: Actual Size

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Floor clearance
The shown safe floor clearance is TBC by Metrolinx

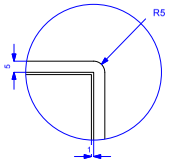
REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE: 30.11.18	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

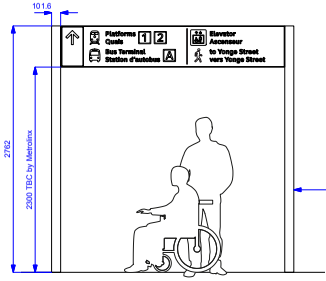
METROLINX

TYPE:	Amenity markers
LABEL:	AM3
NAME:	Designated Waiting Area ID
MOUNTING:	Suspended
ILLUMINATION:	None
CONTRACT NO.	DWG. NO. 02.SUS.AM3 / REV. / SHEET 1 of 1

1 3D



5 Detail A
Scale: Actual Size



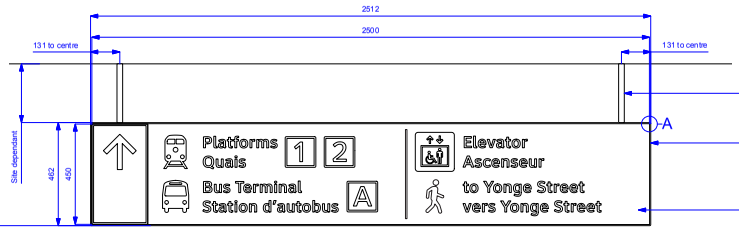
6 Front: Double post mounted variant
Scale: 1:25

POSTS P9

SHS aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings

Legs to have a 5mm radius applied to edges



FRAME & SLEEVES P9

Frame - 5mm thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings

Sleeves - 1 inch diameter CHS aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Manufacturer to detail mounting method; no visible fixings and all wall fixings to suit mounting surface. Any rods securing sign to ceiling are to be concealed within sleeves

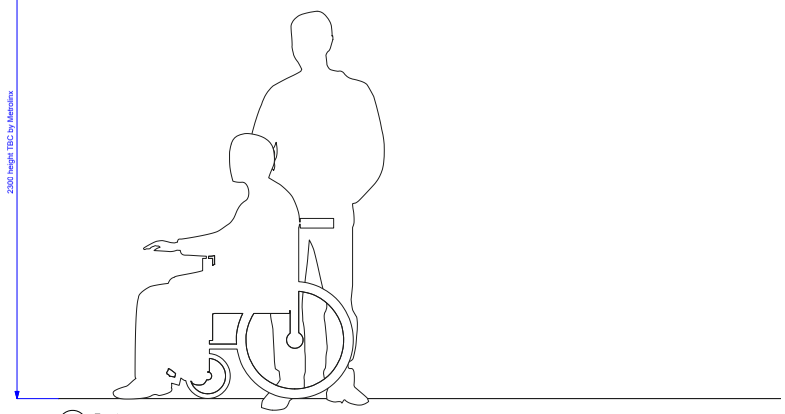
GRAPHIC PANEL - DIRECTIONAL

P1 V2 V3 V5 Or artwork dependent V6

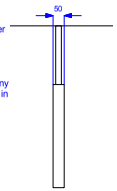
Panel to be folded 1/8 inch thick aluminum with a powder coated finish to match PMS Process Black C, all corners to be welded and dressed back

Content to be suitable off the shelf external grade cut vinyl graphics with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

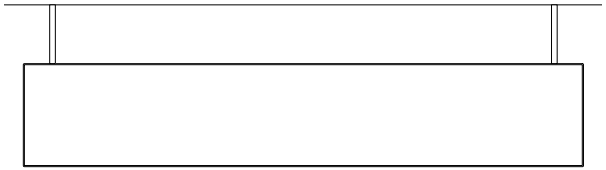
Panel to be fully removable from the sign assembly to allow for updating



2 Front
Scale: 1:10



3 Left
Scale: 1:10



4 Rear
Scale: 1:10

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Size variants
Refer to Wayfinding Design Standard for standard sign size variants, an indicative size is shown

Floor clearance
The shown safe floor clearance is TBC by Metrolinx

Post mounted variant
See Detail 6: Should there be the need for an overhead sign as that shown within this drawing, in conditions where suspension is not possible, then a double post variant can be used, with clearance height confirmed by Metrolinx.

Please note, any frame corners left unexposed should be finished square, not with a radius. See drawing "05.FSDP.PL2" for indicative construction.

Contrast elements
Refer to drawing: "01.CON.ELE" for details of the contrast elements that must be applied to the post mounted variant of this sign

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE:	DRAWN BY:
30.11.18	JH
CHECKED BY:	APPROVED BY:
RC	
SCALE:	
VARIES @ ARCH D	

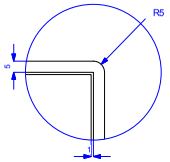
METROLINX

TYPE:	Directional
LABEL:	DR1
NAME:	Directional Sign
MOUNTING:	Suspended
ILLUMINATION:	None

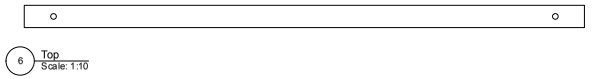
CONTRACT NO.	DWG. NO.	REV.	SHEET
	03.SUS.DR1.1		1 of 1

1 3D

2 3D Illuminated

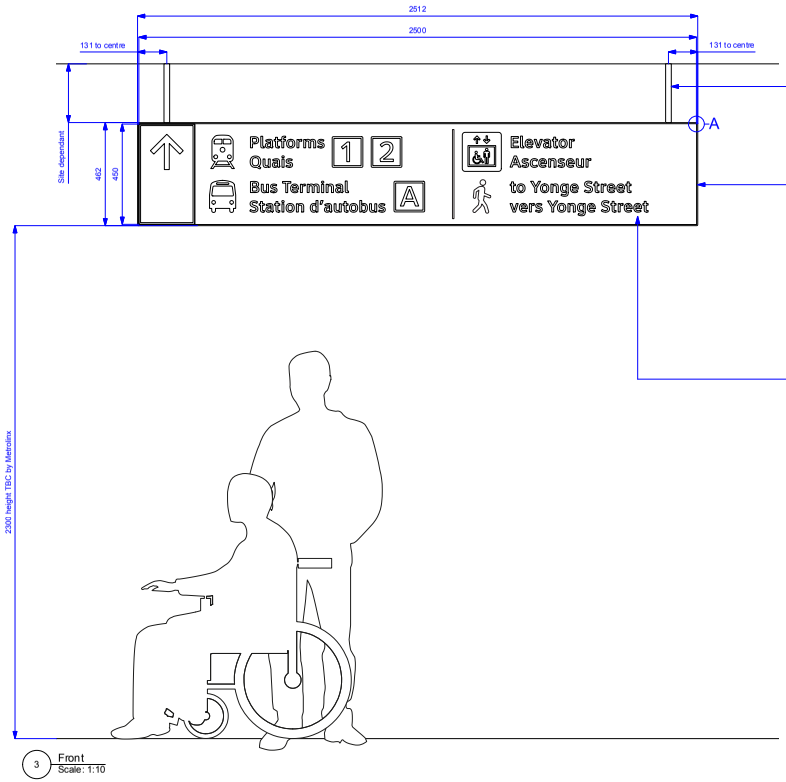


8 Detail A
Scale: Actual Size



6 Top
Scale: 1:10

7 Bottom
Scale: 1:10



3 Front
Scale: 1:10

INTEGRATED LINEAR DOWNLIGHT STRIP

Concealed LED strip and a suitable opalescent diffuser panel, flush mounted into under side of sign. All electrical components including conduit are to be integrated into sign and sleeves

LED colour temperature = suitable value TBC by manufacturer, subject to Metrolinx approval

Luminance of white sections TBC by manufacturer, subject to Metrolinx approval

FRAME & SLEEVES P9

Frame - 5mm thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings

Sleeves - 1 inch diameter CHS aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Manufacturer to detail mounting method; no visible fixings and all wall fixings to suit mounting surface. Any rods securing sign to ceiling are to be concealed within sleeves

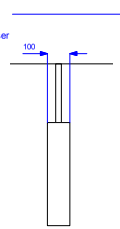
GRAPHIC PANEL - DIRECTIONAL

P1 V2 V3 V5 Or artwork dependent V6

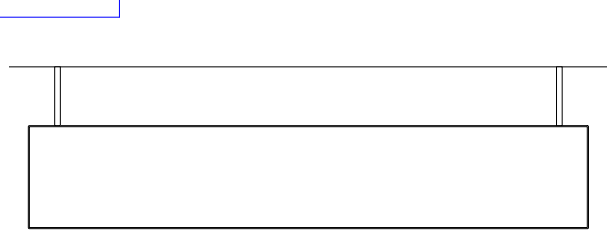
Panel to be folded 1/8 inch thick aluminum with a powder coated finish to match PMS Process Black C, all corners to be welded and dressed back

Content to be suitable off the shelf external grade cut vinyl graphics with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

Panel to be fully removable from the sign assembly to allow for updating



4 Left
Scale: 1:10



5 Rear
Scale: 1:10

GENERAL NOTES

Design intent
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Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Size variants
Refer to Wayfinding Design Standard for standard sign size variants, an indicative size is shown

Floor clearance
The shown safe floor clearance is TBC by Metrolinx

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE:	DRAWN BY:
15.04.19	JH
CHECKED BY:	APPROVED BY:
RC	
SCALE:	
VARIES @ ARCH D	

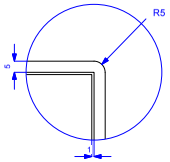
METROLINX

TYPE:	Directional
LABEL:	DR1 A
NAME:	Directional Sign + Downlight
MOUNTING:	Suspended
ILLUMINATION:	Yes

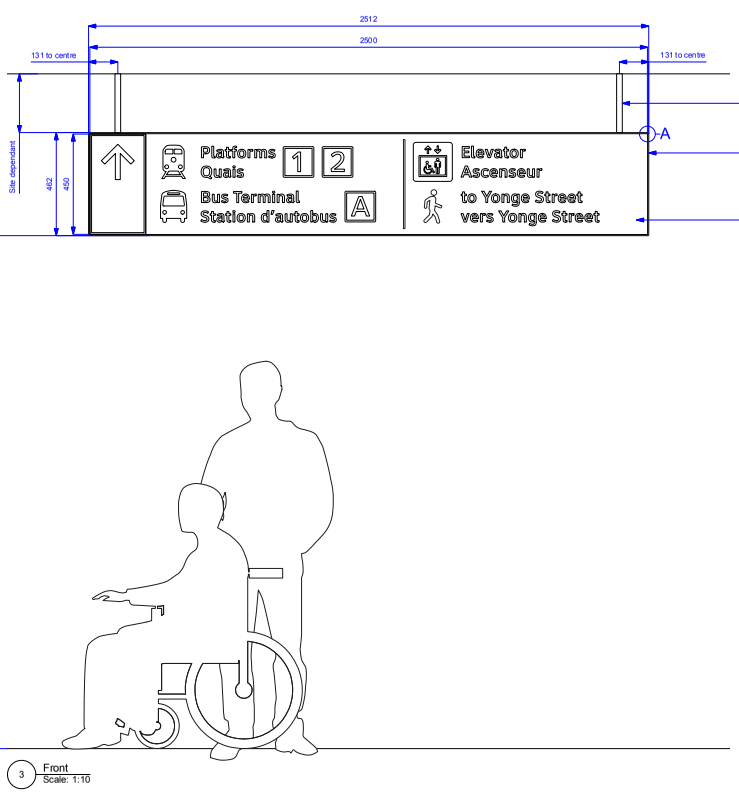
CONTRACT NO.	DWG. NO.	REV.	SHEET
	04.SUS.DR1.1 A		1 of 1

1 Illuminated

2 3D Illuminated



6 Detail A
Scale: Actual Size



3 Front
Scale: 1:10

FRAME & SLEEVES P9

Frame - 5mm thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings

Sleeves - 1 inch diameter CHS aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Manufacturer to detail mounting method; no visible fixings and all wall fixings to suit mounting surface. Any rods securing sign to ceiling are to be concealed within sleeves

GRAPHIC PANEL - DIRECTIONAL

V1 V3 V5 Or artwork dependent V6

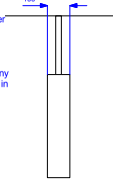
White polycarbonate diffuser sheet of suitable thickness with face applied translucent non glare vinyl elements with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

All graphic content to illuminate as shown, via concealed LED light panel. All electrical components including conduit are to be integrated into sign and sleeves

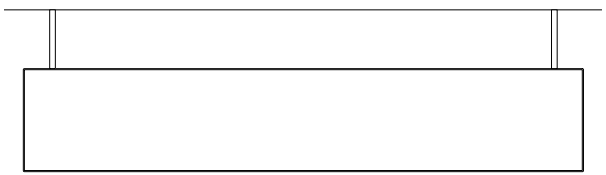
LED colour temperature = suitable value TBC by manufacturer, subject to Metrolinx approval

Luminance of white sections TBC by manufacturer, subject to Metrolinx approval

Panel to be fully removable from the sign assembly to allow for updating



4 Left
Scale: 1:10



5 Rear
Scale: 1:10

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Size variants
Refer to Wayfinding Design Standard for standard sign size variants, an indicative size is shown

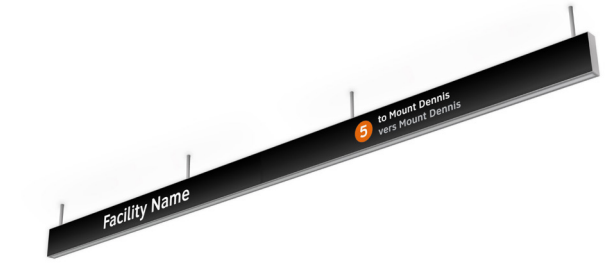
Floor clearance
The shown safe floor clearance is TBC by Metrolinx

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

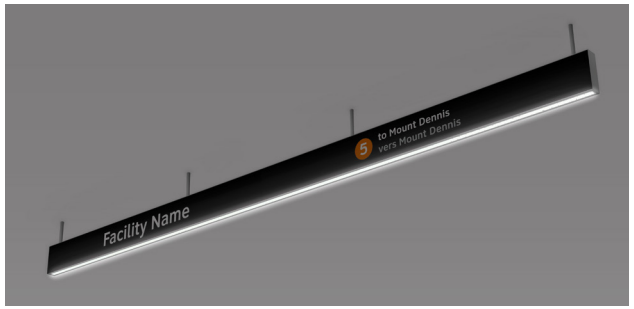
DATE: 15.04.19	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

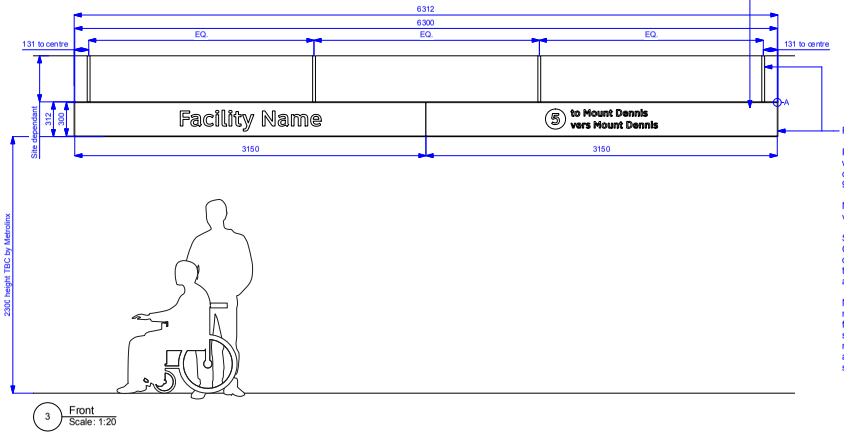
TYPE:	Directional		
LABEL:	DR1		
NAME:	Directional Sign, Illuminated		
MOUNTING:	Suspended		
ILLUMINATION:	Yes		
CONTRACT NO.	DWG. NO. 05.SUS DR1.1 B	REV.	SHEET 1 of 1



1 3D



2 3D Illuminated



3 Front
Scale: 1:20

GRAPHIC PANEL - PLATFORM RUNNING SIGN P1 V2 V3

Panel to be folded 1/8 inch thick aluminum with a powder coated finish to match PMS Process Black C, all corners to be welded and dressed back

Graphic content to be suitable off the shelf external grade cut 3M or Avery vinyl graphics with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

Panel to be fully removable from the sign assembly to allow for updating

Panels to be lap jointed at intersections, no graphic content to be applied over any joints

A standard graphic panel height of 300mm is shown

INTEGRATED LINEAR DOWNLIGHT STRIP

Concealed LED strip and a suitable opalescent diffuser panel, flush mounted into under side of sign. All electrical components including conduit are to be integrated into sign and sleeves

LED colour temperature = suitable value TBC by manufacturer, subject to Metrolinx approval

Luminance of white sections TBC by manufacturer, subject to Metrolinx approval

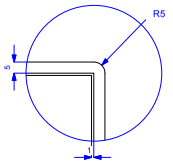
FRAME & SLEEVES P9

Frame - 5mm thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

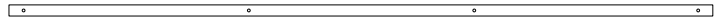
Minimal CSK painted out visible fixings

Sleeves - 1 inch diameter CHS aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Manufacturer to detail mounting method; no visible fixings and all wall fixings to suit mounting surface. Any rods securing sign to ceiling are to be concealed within sleeves

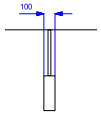


8 Detail A
Scale: Actual Size

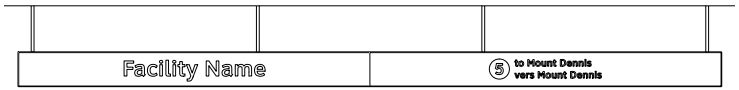


5 Top
Scale: 1:20

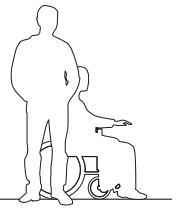
6 Bottom
Scale: 1:20



4 Front
Scale: 1:20



7 Rear
Scale: 1:20



GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Size variants
Refer to Wayfinding Design Standard for standard sign size variants, an indicative size is shown

Graphic panel height may vary according to location. This design is to be treated as a general principle

Floor clearance
The shown safe floor clearance is TBC by Metrolinx

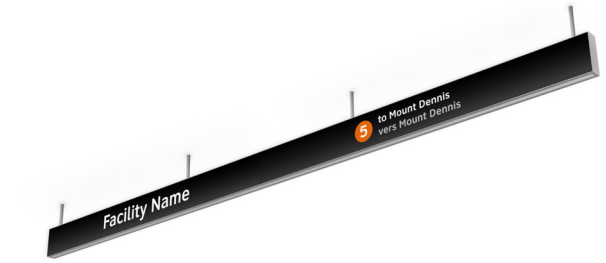
REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE: 15.04.19	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

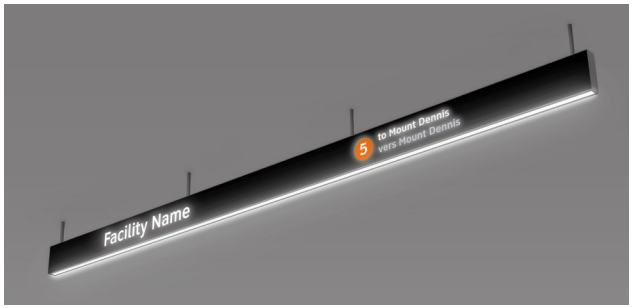
METROLINX

TYPE:	Platform signs and line confirmation
LABEL:	PL4
NAME:	Platform Running Sign
MOUNTING:	Suspended
ILLUMINATION:	Yes

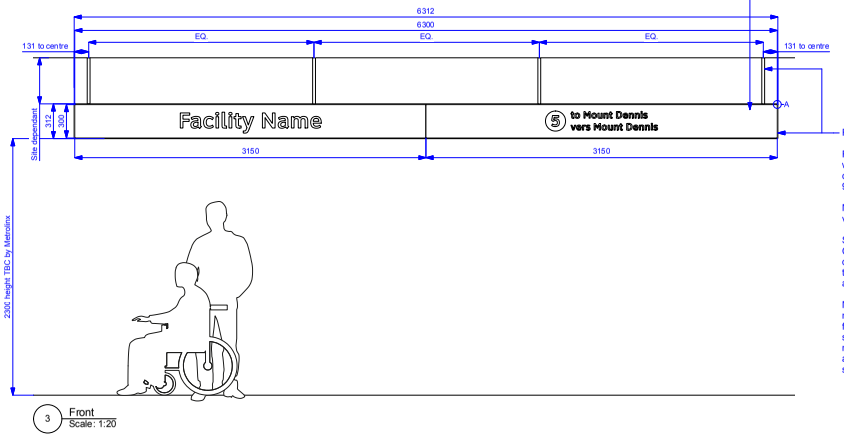
CONTRACT NO.	DWG. NO.	REV.	SHEET
	06.SUS PL4		1 of 1



1 3D



2 3D Illuminated



3 Front
Scale: 1:20

GRAPHIC PANEL - PLATFORM RUNNING SIGN

White polycarbonate diffuser sheet of suitable thickness with face applied non glare vinyl elements with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

All graphic content to illuminate as shown, via concealed LED light panel. All electrical components including conduit are to be integrated into sign and sleeves

LED colour temperature = suitable value TBC by manufacturer, subject to Metrolinx approval

Luminance of white sections TBC by manufacturer, subject to Metrolinx approval

Panels to be fully removable from the sign assembly to allow for updating

Panels to be lap jointed at intersections, no graphic content to be applied over any joints

A standard graphic panel height of 300mm is shown

INTEGRATED LINEAR DOWNLIGHT STRIP

Concealed LED strip and a suitable opalescent diffuser panel, flush mounted into under side of sign. All electrical components including conduit are to be integrated into sign and sleeves

LED colour temperature = suitable value TBC by manufacturer, subject to Metrolinx approval

Luminance of white sections TBC by manufacturer, subject to Metrolinx approval

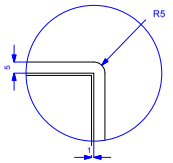
FRAME & SLEEVES Pg

Frame - 5mm thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

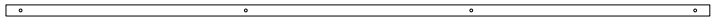
Minimal CSK painted out visible fixings

Sleeves - 1 inch diameter CHS aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Manufacturer to detail mounting method; no visible fixings and all wall fixings to suit mounting surface. Any rods securing sign to ceiling are to be concealed within sleeves

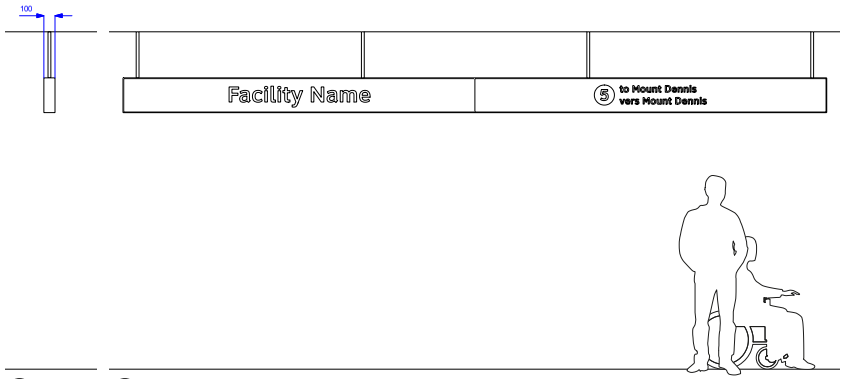


8 Detail A
Scale: Actual Size



5 Top
Scale: 1:20

6 Bottom
Scale: 1:20



4 Front
Scale: 1:20

7 Rear
Scale: 1:20

GENERAL NOTES

Design intent
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Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Size variants
Refer to Wayfinding Design Standard for standard sign size variants, an indicative size is shown

Graphic panel height may vary according to location. This design is to be treated as a general principle

Floor clearance
The shown safe floor clearance is TBC by Metrolinx

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

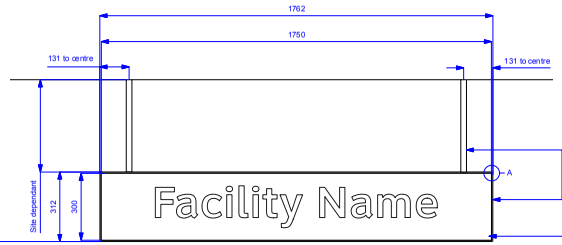
DATE: 15.04.19	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

TYPE:	Platform signs and line confirmation
LABEL:	PL4
NAME:	Platform Running Sign, Illuminated + Downlight
MOUNTING:	Suspended
ILLUMINATION:	Yes

CONTRACT NO.	DWG. NO.	REV.	SHEET
	07.SUS PL4 A		1 of 1

1 3D



FRAME & SLEEVES P9

Frame - 5mm thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings

Sleeves - 1 inch diameter CHS aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

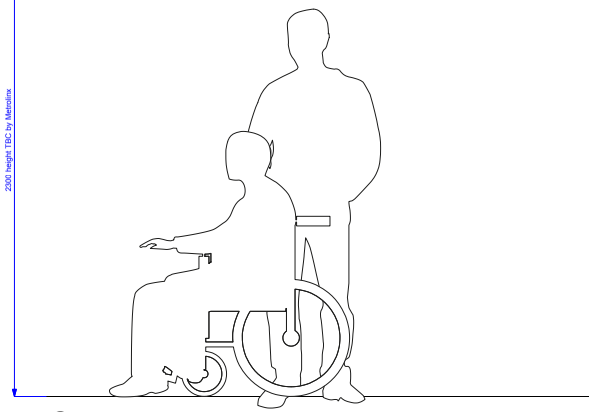
Manufacturer to detail mounting method; no visible fixings and all wall fixings to suit mounting surface. Any rods securing sign to ceiling are to be concealed within sleeves

GRAPHIC PANEL P1 V2

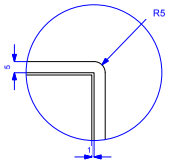
Panel to be folded 1/8 inch thick aluminum with a powder coated finish to match PMS Process Black C, all corners to be welded and dressed back

Content to be suitable off the shelf external grade cut 3M or Avery vinyl graphics to match white with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

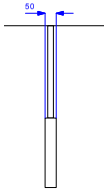
Panel to be fully removable from the sign assembly to allow for updating



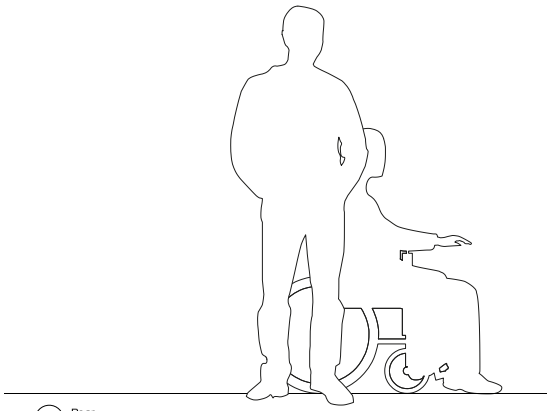
2 Front
Scale: 1:10



5 Detail A
Scale: Actual Size



3 Right
Scale: 1:10



4 Rear
Scale: 1:10

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Floor clearance
The shown safe floor clearance is TBC by Metrolinx

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE: 15.04.19	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

TYPE:	Platform signs and line confirmation
LABEL:	PL2
NAME:	Facility name
MOUNTING:	Suspended
ILLUMINATION:	None

CONTRACT NO.	DWG. NO.	REV.	SHEET
	08.SUS PL2		1 of 1

3.4.4 Post mounted (single)

Relevant sign types
AM2.4
AM4
DR1.1
PL2

Overall sign dimensions
Refer to design intent construction drawing(s).

Description
Post mounted signs of various functions.

Materials and construction
Refer to design intent construction drawing(s).

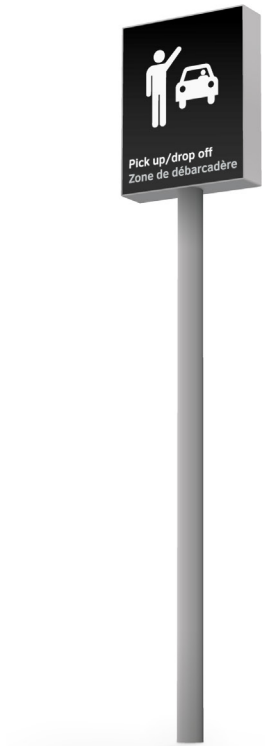
Power, lighting and data
n/a

Finishes
Refer to design intent construction drawing(s).

Colours
Refer to design intent construction drawing(s).

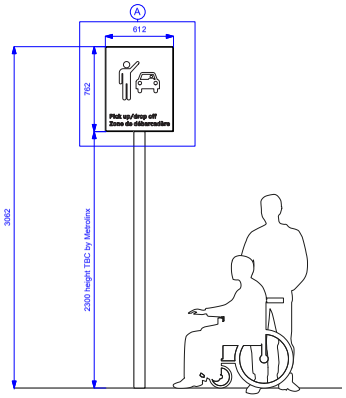
Installation
Please refer to Section 4.0 Mounting Guides.

Design intent construction drawing(s)
04.FSSP AM2.4
05.FSSP AM4
06.FSSP DR1.1
07.FSSP PL2

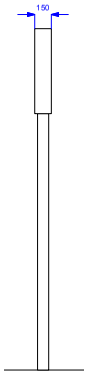


1 3D

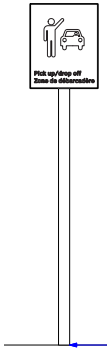
2 Top
Scale: 1:20



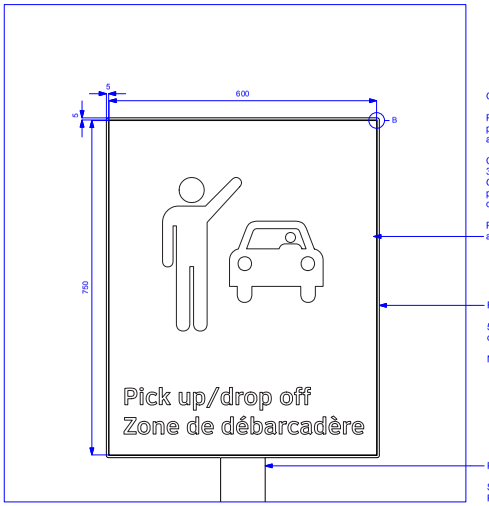
3 Front
Scale: 1:20



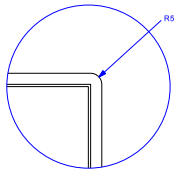
4 Left
Scale: 1:20



5 Rear
Scale: 1:20



6 Detail A
Scale: 1:5



7 Detail B
Scale: Actual Size

GRAPHIC PANEL - AMENITIES ID V1

Panel to be folded 1/8 inch thick aluminum with a powder coated finish to match PMS Process Black C, all corners to be welded and dressed back

Content to be suitable off the shelf external grade cut 3M or Avery vinyl graphics to match white and Medium Gray with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

Panel to be fully removable from the sign assembly to allow for updating

FRAME P9

5mm thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings

POST

Suitable CHS with a powder coated finish to match RAL Slate grey 7015

MOUNTING

See freestanding signs mounting guide

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Floor clearance
The shown safe floor clearance is TBC by Metrolinx

Retro fit version
The shown fixing method is applicable to both a new installation i.e. a new sign onto a new post; as well as a retro fit installation i.e. a new sign on to an existing post

For the retro fit option, the construction method detailed in 05.FSSP.AM4 must be used.

Contrast elements
Refer to drawing: "01.CON.ELE" for details of the contrast elements that must be applied to this sign type

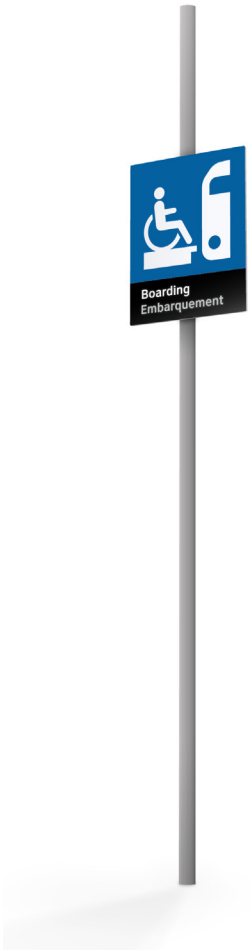
REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE: 20.12.18	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

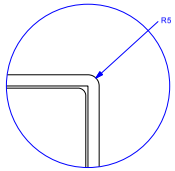
TYPE:	Amenity Marker
LABEL:	AM2.4
NAME:	Amenities ID
MOUNTING:	Freestanding - Single Post
ILLUMINATION:	None

CONTRACT NO.	DWG. NO.	REV.	SHEET
	04.FSSP.AM2.4		1 of 1

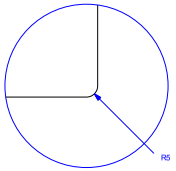


1 3D

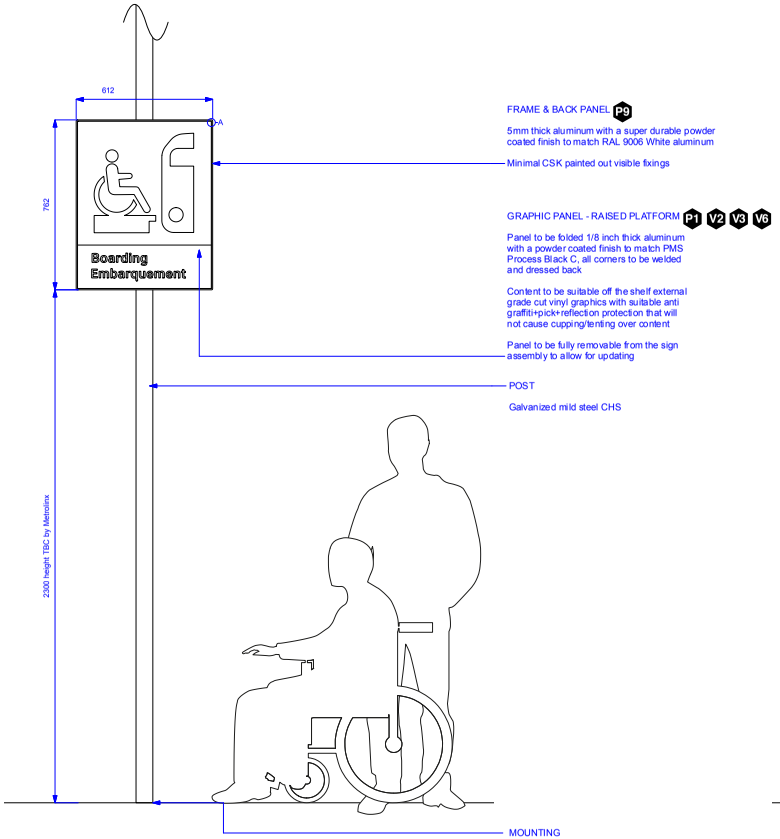
2 Top
Scale: 1:10



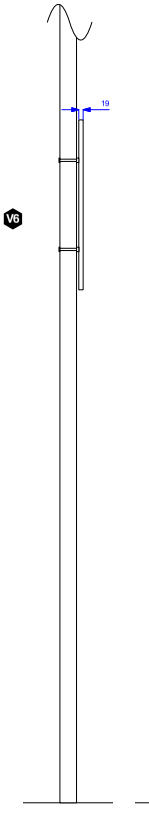
6 Detail A
Scale: Actual Size



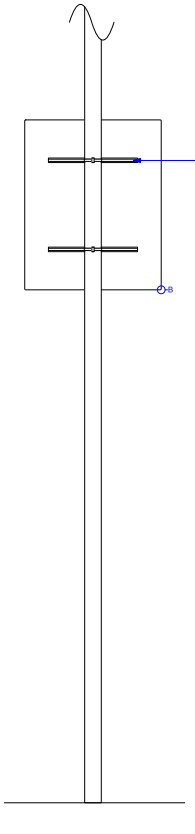
7 Detail B
Scale: Actual Size



3 Front
Scale: 1:10



4 Left
Scale: 1:10



5 Rear
Scale: 1:10

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Floor clearance
The shown safe floor clearance is TBC by Metrolinx

Retro fit version
The shown fixing method is applicable to both a new installation i.e. a new sign onto a new post, as well as a retro fit installation i.e. a new sign on to an existing post

Contrast elements
Refer to drawing: "01.CON ELE" for details of the contrast elements that must be applied to this sign type

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

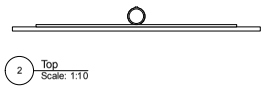
DATE:	DRAWN BY:
20.12.18	JH
CHECKED BY:	APPROVED BY:
RC	
SCALE:	
VARIES @ ARCH D	

METROLINX

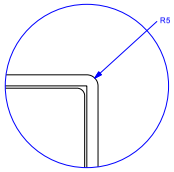
TYPE:	Amenity Marker
LABEL:	AM4
NAME:	Raised Platform Sign
MOUNTING:	Freestanding - Single Post
ILLUMINATION:	None

CONTRACT NO.	DWG. NO.	REV.	SHEET
	05.FSSP.AM4		1 of 1

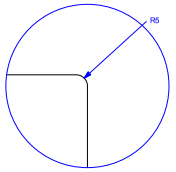
1 3D



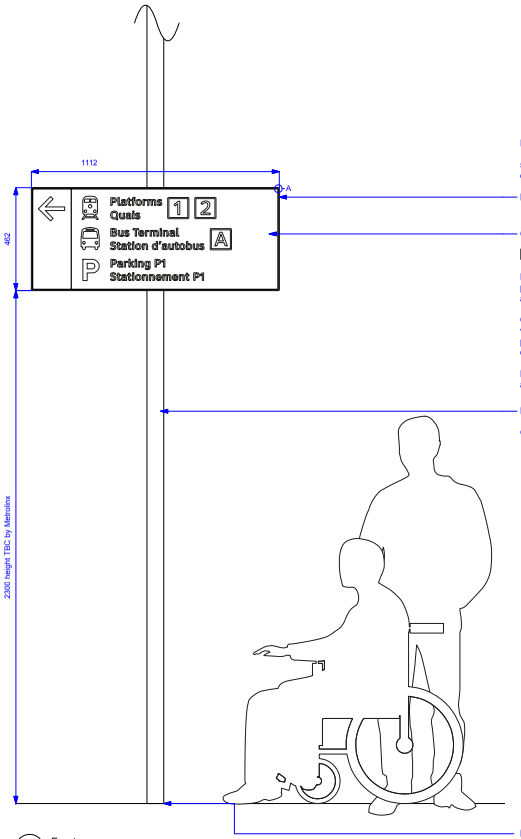
2 Top
Scale: 1:10



6 Detail A
Scale: Actual Size



7 Detail B
Scale: Actual Size



FRAME & BACK PANEL P9

5mm thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings

GRAPHIC PANEL - DIRECTIONAL

P1 V2 V3 Or artwork dependent: V5 V6

Panel to be folded 1/8 inch thick aluminum with a powder coated finish to match PMS Process Black C, all corners to be welded and dressed back

Content to be suitable off the shelf external grade cut vinyl graphics with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

Panel to be fully removable from the sign assembly to allow for updating

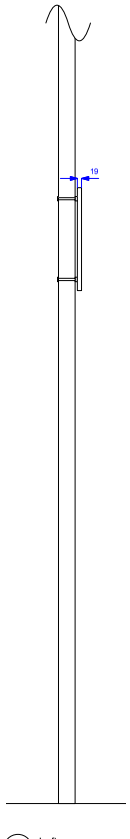
POST

Galvanized mild steel CHS

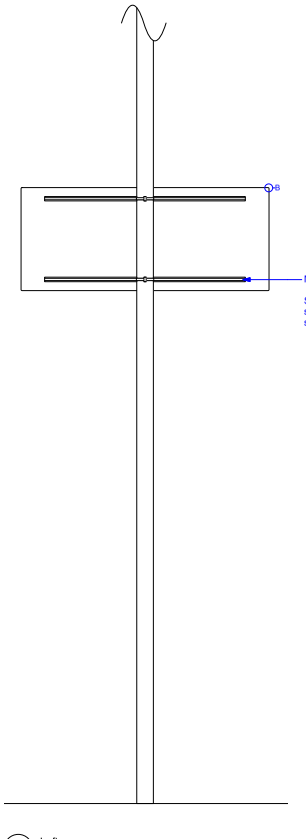
MOUNTING

See freestanding signs mounting guide

3 Front
Scale: 1:10



4 Left
Scale: 1:10



MOUNTING TO POST

Suitable aluminum fixing bars welded to the rear of the sign panel, attached to the post with suitable stainless steel banding

5 Left
Scale: 1:10

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Floor clearance
The shown safe floor clearance is TBC by Metrolinx

Retro fit version
The shown fixing method is applicable to both a new installation i.e. a new sign onto a new post, as well as a retro fit installation i.e. a new sign on to an existing post

Contrast elements
Refer to drawing: "01.CON ELE" for details of the contrast elements that must be applied to this sign type

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

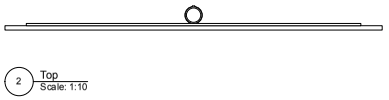
DATE:	DRAWN BY:
20.12.18	JH
CHECKED BY:	APPROVED BY:
RC	
SCALE:	
VARIES @ ARCH D	

METROLINX

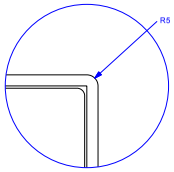
TYPE:	Directional Signs
LABEL:	DR1.1
NAME:	Directional Sign
MOUNTING:	Freestanding - Single Post
ILLUMINATION:	None

CONTRACT NO.	DWG. NO.	REV.	SHEET
	06.FSSP.DR1.1		1 of 1

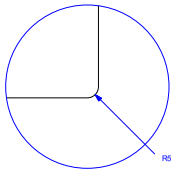
1 3D



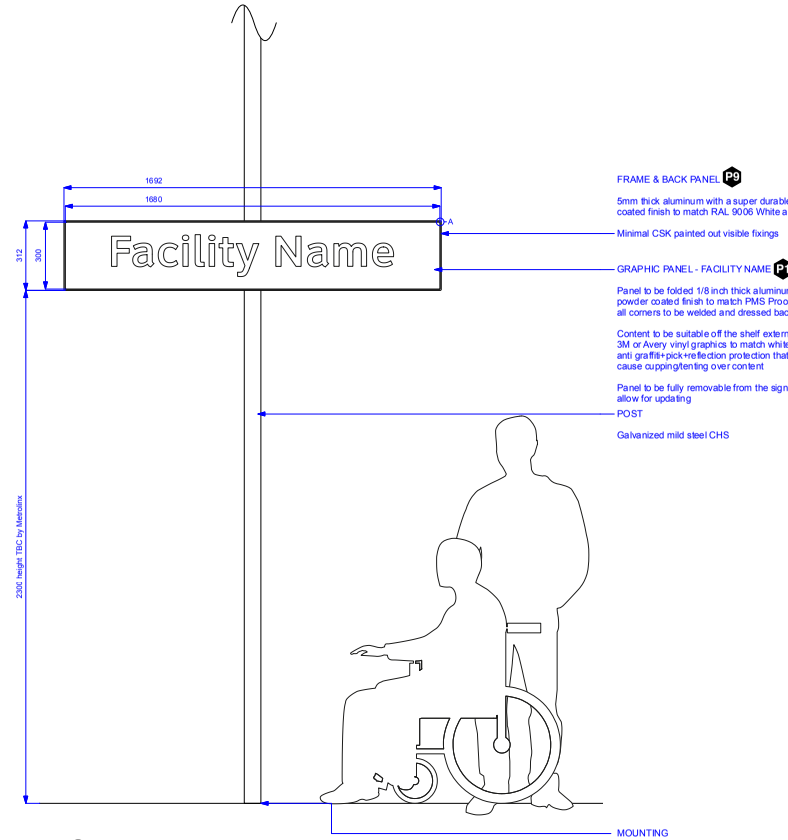
2 Top
Scale: 1:10



6 Detail A
Scale: Actual Size



7 Detail B
Scale: Actual Size



3 Front
Scale: 1:10

FRAME & BACK PANEL P9

5mm thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings

GRAPHIC PANEL - FACILITY NAME P1 V2

Panel to be folded 1/8 inch thick aluminum with a powder coated finish to match PMS Process Black C, all corners to be welded and dressed back

Content to be suitable off the shelf external grade cut 3M or Avery vinyl graphics to match white with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

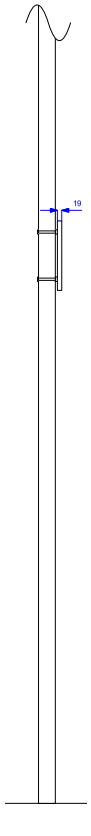
Panel to be fully removable from the sign assembly to allow for updating

POST

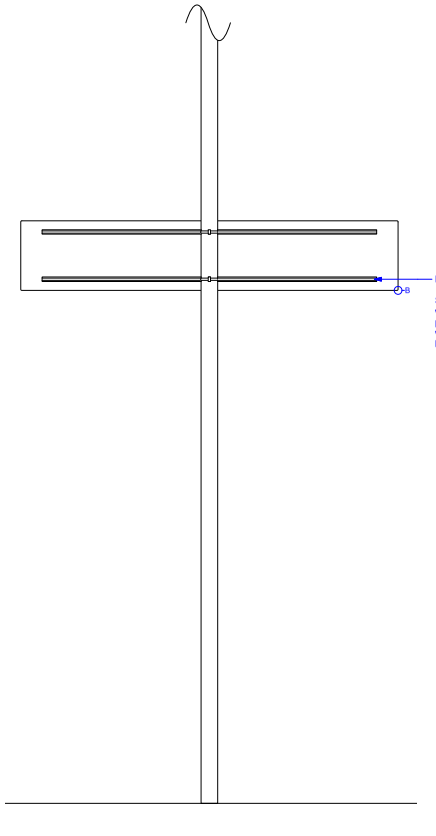
Galvanized mild steel CHS

MOUNTING

See freestanding signs mounting guide



4 Left
Scale: 1:10



MOUNTING TO POST

Suitable aluminum fixing bars welded to the rear of the sign panel, attached to the post with suitable stainless steel banding

5 Rear
Scale: 1:10

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Floor clearance
The shown safe floor clearance is TBC by Metrolinx

Retro fit version
The shown fixing method is applicable to both a new installation i.e. a new sign onto a new post; as well as a retro fit installation i.e. a new sign on to an existing post

Contrast elements
Refer to drawing: "01.CON ELE" for details of the contrast elements that must be applied to this sign type

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE: 20.12.18	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

TYPE:	Platform signs and line confirmation
LABEL:	PL2
NAME:	Facility Names
MOUNTING:	Freestanding - Single Post
ILLUMINATION:	None

CONTRACT NO.	DWG. NO.	REV.	SHEET
	07.FSSP PL2		1 of 1

3.4.5 Post mounted (double)

Relevant sign types
TH9
PL2

Overall sign dimensions
Refer to design intent construction drawing(s).

Description
Signs of various functions mounted to posts.

Materials and construction
Refer to design intent construction drawing(s).

Power, lighting and data
n/a

Finishes
Refer to design intent construction drawing(s).

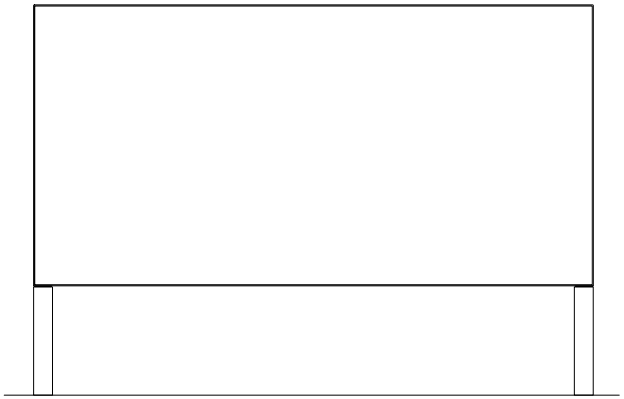
Colours
Refer to design intent construction drawing(s).

Installation
Please refer to Section 4.0 Mounting Guides.

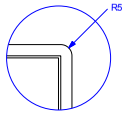
Design intent construction drawing(s)
04.FSDP TH9
05.FSDP PL2
06.FSDP PL5

1 3D Front

2 3D Rear

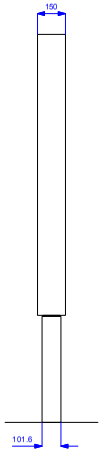


7 Rear - without content
Scale: 1:12

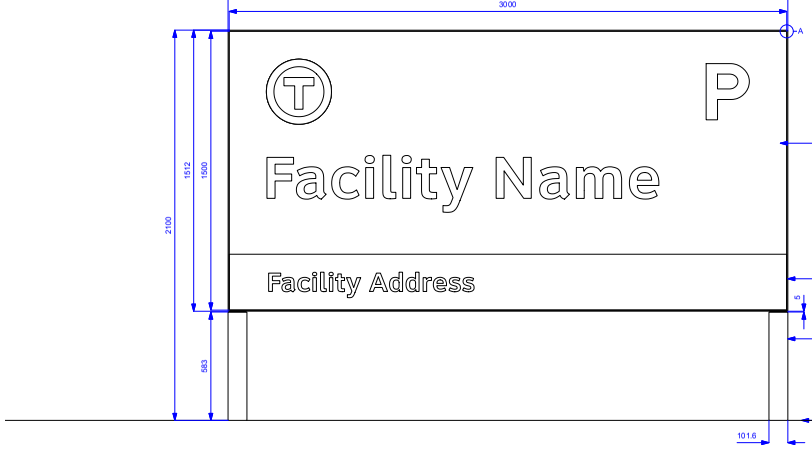


8 Detail A
Scale: Actual Size

3 Top
Scale: 1:12



4 Left
Scale: 1:12



5 Front
Scale: 1:12

GRAPHIC PANEL P1 V1 V2 V2R

Panel to be folded 1/8 inch thick aluminum with a powder coated finish to match white and PMS Process Black C, all corners to be welded and dressed back

Graphic content to be suitable off the shelf external grade cut refelctive 3M or Avery vinyl graphics to match white with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

All white graphic content to be applied in white reflective vinyl apart from the white band.

Panel to be fully removable from the sign assembly to allow for updating

FRAME & LEGS P9

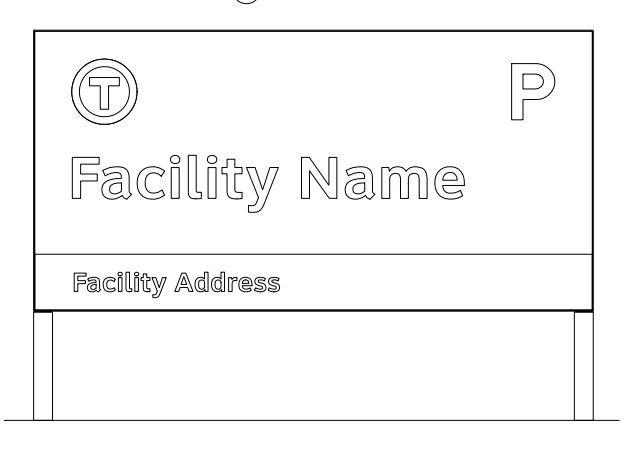
5mm thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings

Legs to have a 5mm radius applied to edges

MOUNTING

See freestanding signs mounting guide



6 Rear
Scale: 1:12

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Contrast elements
Refer to drawing: "01.T CON ELE" for details of the contrast elements that must be applied to this sign type

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

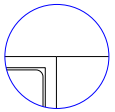
DATE: 31.05.19	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

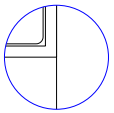
TYPE:	Threshold marker
LABEL:	TH9
NAME:	Vehicular Entrance, Future State
MOUNTING:	Freestanding - double post
ILLUMINATION:	None

CONTRACT NO.	DWG. NO.	REV.	SHEET
	04.T FSDP TH9		1 of 1

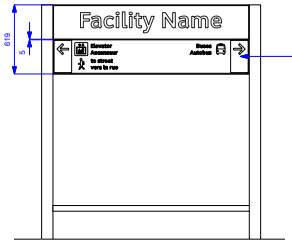
1 3D Front



6 Detail A
Scale: Actual Size



7 Detail B
Scale: Actual Size



8 Front: Directional variant
Scale: 1:20

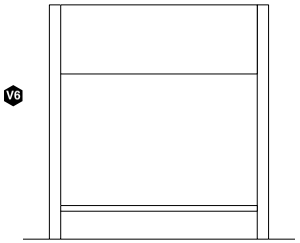
GRAPHIC PANEL - DIRECTIONAL

P1 V2 V3 V5 Or artwork dependent V6

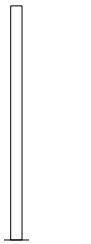
Panel to be folded 1/8 inch thick aluminum with a powder coated finish to match PMS Process Black C, all corners to be welded and dressed back

Content to be suitable off the shelf external grade cut vinyl graphics with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

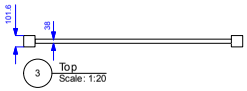
Panel to be fully removable from the sign assembly to allow for updating



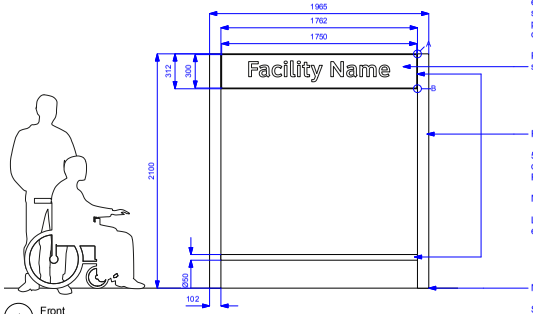
9 Rear: Directional variant
Scale: 1:20



2 Left
Scale: 1:20



3 Top
Scale: 1:20



4 Front
Scale: 1:20

GRAPHIC PANEL P1 V2

Panel to be folded 1/8 inch thick aluminum with a powder coated finish to match PMS Process Black C, all corners to be welded and dressed back

Content to be suitable off the shelf external grade cut vinyl graphics with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

Panel to be fully removable from the sign assembly to allow for updating

FRAME, LEGS & TAP RAIL P9

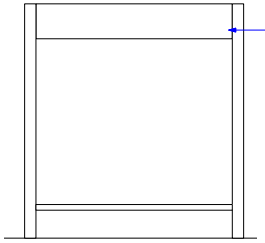
5mm thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings

Legs to have a 5mm radius applied to edges

MOUNTING

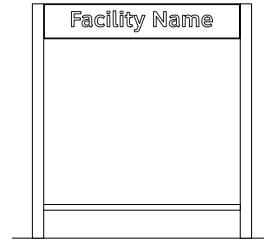
See freestanding signs mounting guide



5 Rear single sided
Scale: 1:20

REAR PANEL

5mm thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum



6 Rear double sided
Scale: 1:20

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Size variants
Refer to Wayfinding Design Standard for standard sign size variants, an indicative size is shown

Contrast elements
Refer to drawing: "01.CON ELE" for details of the contrast elements that must be applied to this sign type

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE: 20.12.18	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

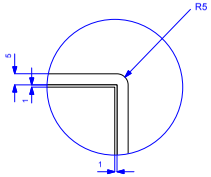
METROLINX

TYPE:	Platform signs and line confirmation
LABEL:	PL2
NAME:	Facility name
MOUNTING:	Freestanding - double post
ILLUMINATION:	None

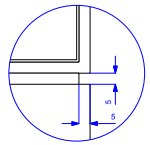
CONTRACT NO.	DWG. NO.	REV.	SHEET
	05.FSDP PL2		1 of 1

1 3D

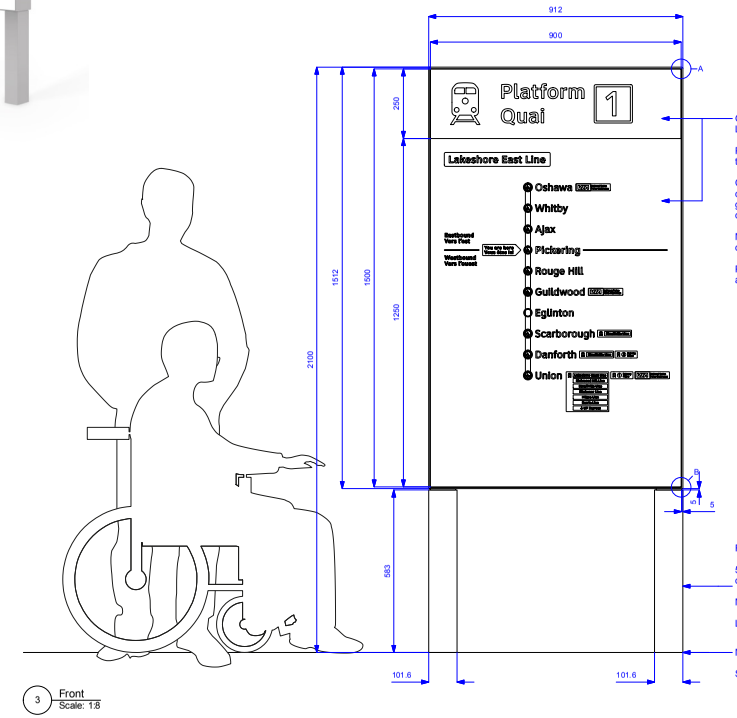
2 Top
Scale: 1:8



6 Detail A
Scale: Actual Size



7 Detail B
Scale: Actual Size



3 Front
Scale: 1:8

GRAPHIC PANEL - PLATFORM IDENTIFICATION & LINE DIAGRAM

Panel to be folded 1/8 inch thick aluminum, all corners to be welded and dressed back

Content to be suitable external grade, UV stable, full colour, updatable digital print with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

Manufacturer to ensure colour matching to graphic content within powder coated equivalent

Panel to be fully removable from the sign assembly to allow for updating

FRAME & LEGS PG

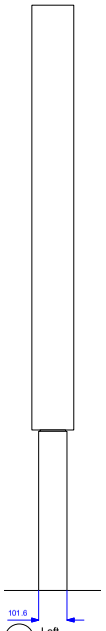
5mm thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings

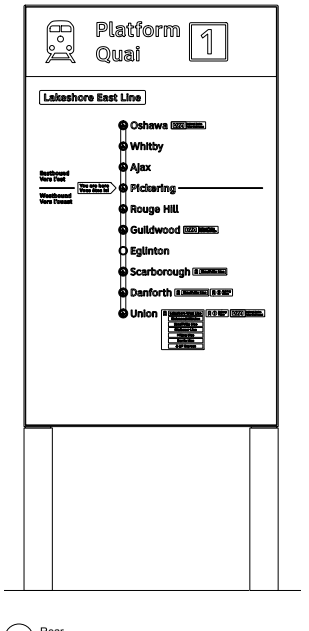
Legs to have a 5mm radius applied to edges

MOUNTING

See freestanding signs mounting guide



4 Left
Scale: 1:8



5 Rear
Scale: 1:8

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Contrast elements
Refer to drawing: "01.CON ELE" for details of the contrast elements that must be applied to this sign type

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE: 20.12.18	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

TYPE:	Platform signs and line confirmation
LABEL:	PL5
NAME:	Line diagram
MOUNTING:	Freestanding - double post
ILLUMINATION:	None

CONTRACT NO.	DWG. NO.	REV.	SHEET
	05.FSDP PL2		1 of 1

3.4.6 Panel

Relevant sign types
NS1
NS2
NS3
NS4

Overall sign dimensions
Refer to design intent construction drawing(s).

Description
Simple panel signs displaying notices and safety information.

Materials and construction
Refer to design intent construction drawing(s).

Power, lighting and data
n/a

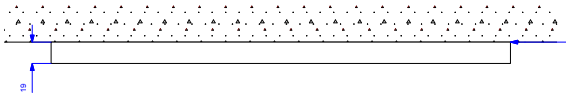
Finishes
Refer to design intent construction drawing(s).

Colours
Refer to design intent construction drawing(s).

Installation
Please refer to Section 4.0 Mounting Guides.

Design intent construction drawing(s)
01.P NS1
02.P NS2
03.P NS3
04.P NS4

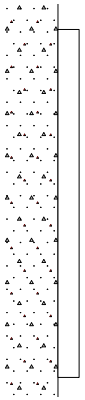
1 3D



MOUNTING

Manufacturer to detail mounting method; no visible fixings and all wall fixings to suit mounting surface

2 Top
Scale: Half Actual Size



3 Left
Scale: Half Actual Size

4 Front
Scale: Half Actual Size

GRAPHIC PANEL - REGULATORY INFORMATION P1 V2 V3

Panel to be folded 1/8 inch thick aluminum with a powder coated finish to match PMS Process Black C, all corners to be welded and dressed back

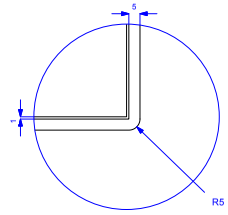
Content to be suitable off the shelf external grade cut 3M or Avery vinyl graphics to match white, Medium Gray and a TBC red with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

Panel to be fully removable from the sign assembly to allow for updating

FRAME P9

5mm thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings



5 Detail A: Frame
Scale: Actual Size

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE:	DRAWN BY:
20.12.18	JH
CHECKED BY:	APPROVED BY:
RC	
SCALE:	
VARIES @ ARCH D	

METROLINX

TYPE:	Notices and safety information
LABEL:	NS1
NAME:	Regulatory Information
MOUNTING:	Wall mounted
ILLUMINATION:	None

CONTRACT NO.	DWG. NO.	REV.	SHEET
	01.P NS1		1 of 1

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

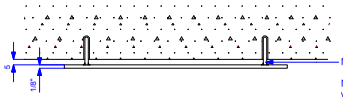
Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

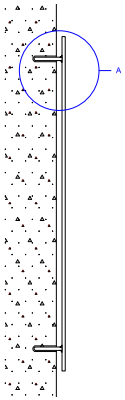
Mounting
Manufacturer to design detail all structural and fixing elements

1 3D

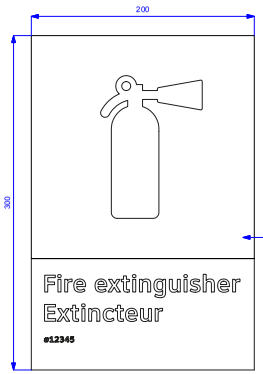


Manufacturer to detail a suitable chemically embedded weld stud type mounting method; no visible fixings and all wall fixings to suit mounting surface

2 Top
Scale: Half Actual Size



3 Front
Scale: Half Actual Size



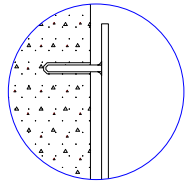
GRAPHIC PANEL - SAFETY/EMERGENCY P1 V2 V3

Panel to be 1/8 inch thick aluminum with a powder coated finish to match PMS Process Black C

Content to be suitable off the shelf external grade cut vinyl graphics with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

Panel to be fully removable from the sign assembly to allow for updating

4 Front
Scale: Half Actual Size



5 Detail A: Weld stud type fixing
Scale: Actual Size

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE: 20.12.18	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

TYPE:	Notices and safety information
LABEL:	NS2
NAME:	Safety/Emergency
MOUNTING:	Panel - wall mounted
ILLUMINATION:	None

CONTRACT NO.	DWG. NO.	REV.	SHEET
	02.P NS2		1 of 1

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

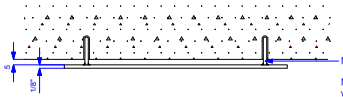
Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

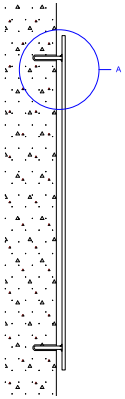
Mounting
Manufacturer to design detail all structural and fixing elements

1 3D



Manufacturer to detail a suitable chemically embedded weld stud type mounting method; no visible fixings and all wall fixings to suit mounting surface

2 Top
Scale: Half Actual Size



3 Front
Scale: Half Actual Size

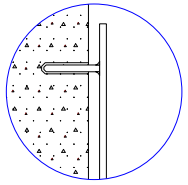
GRAPHIC PANEL - PROHIBITIONS P1 V2 V3

Panel to be 1/8 inch thick aluminum with a powder coated finish to match PMS Process Black C

Content to be suitable off the shelf external grade cut vinyl graphics with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

Panel to be fully removable from the sign assembly to allow for updating

4 Front
Scale: Half Actual Size



5 Detail A: Weld stud type fixing
Scale: Actual Size

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE: 20.12.18	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

TYPE:	Notices and safety information
LABEL:	NS3
NAME:	Prohibitions
MOUNTING:	Panel - wall mounted
ILLUMINATION:	None

CONTRACT NO.	DWG. NO.	REV.	SHEET
	03.P NS3		1 of 1

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

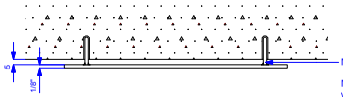
Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

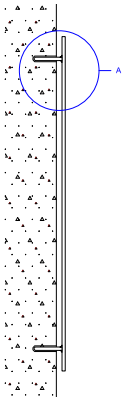
Mounting
Manufacturer to design detail all structural and fixing elements

1 3D

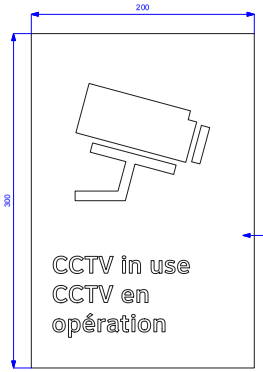


Manufacturer to detail a suitable chemically embedded weld stud type mounting method; no visible fixings and all wall fixings to suit mounting surface

2 Top
Scale: Half Actual Size



3 Front
Scale: Half Actual Size



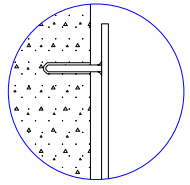
GRAPHIC PANEL - CCTV P1 V2 V3

Panel to be 1/8 inch thick aluminum with a powder coated finish to match PMS Process Black C

Content to be suitable off the shelf external grade cut vinyl graphics with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

Panel to be fully removable from the sign assembly to allow for updating

4 Front
Scale: Half Actual Size



5 Detail A: Weld stud type fixing
Scale: Actual Size

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE: 20.12.18	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

TYPE:	Notices and safety information
LABEL:	NS4
NAME:	CCTV
MOUNTING:	Panel - wall mounted
ILLUMINATION:	None

CONTRACT NO.	DWG. NO.	REV.	SHEET
	04.P NS4		1 of 1

3.4.7 Vinyl

Relevant sign types
TH5

Overall sign dimensions
Refer to design intent construction drawing(s).

Description
Vinyl sign on doors to indicate barrier-free access.

Materials and construction
Refer to design intent construction drawing(s).

Power, lighting and data
n/a

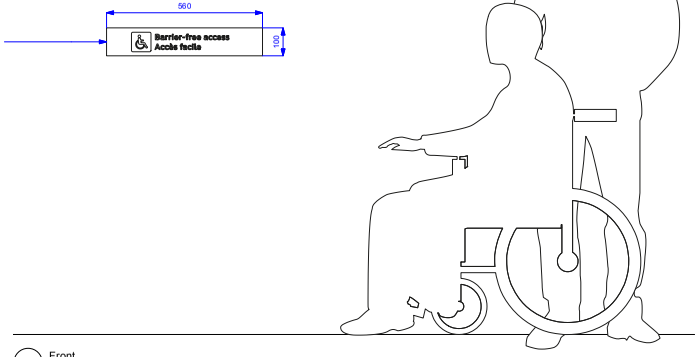
Finishes
Refer to design intent construction drawing(s).

Colours
Refer to design intent construction drawing(s).

Installation
Please refer to Section 4.0 Mounting Guides.

Design intent construction drawing(s)
01.VI TH5

1 3D



2 Front
Scale: 1:8

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Size variants
Refer to Wayfinding Design Standard for standard sign size variants, an indicative size is shown

Glazing application
If this sign type is applied to glazing, then a suitable patch should be applied to the first surface of glazing to prevent see through of reverse face

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE: 20.12.18	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

TYPE:	Threshold markers
LABEL:	TH5
NAME:	Barrier-free Access
MOUNTING:	Vinyl
ILLUMINATION:	None

CONTRACT NO.	DWG. NO.	REV.	SHEET
	01.VI TH5		1 of 1

3.4.8 Etched

Relevant sign types
PL3 E

Overall sign dimensions (mm)
D 5
W varies
H varies

Description
Trackside facility name.

Materials and construction
Refer to design intent construction drawing(s).

Power, lighting and data
n/a

Finishes
Refer to design intent construction drawing(s).

Colours
Refer to design intent construction drawing(s).

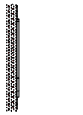
Installation
Refer to design intent construction drawing(s).

Design intent construction drawing(s)
01. C E PL3

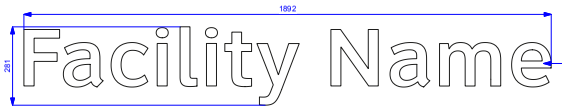
Characters: surface mounted

1 3D

3 Top
Scale: 1:8



4 Left
Scale: 1:8



5 Front
Scale: 1:8

MOUNTING

Back faces of letters to be installed flush to mounting surface

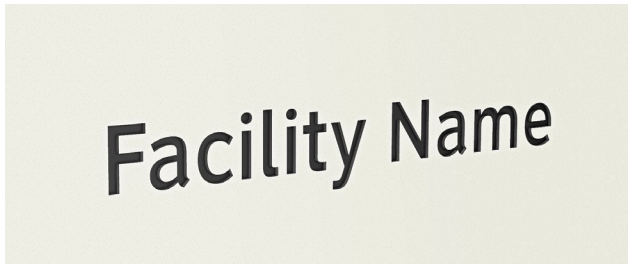
Manufacturer to detail mounting method; no visible fixings and all wall fixings to suit mounting surface

LETTERS - TRACKSIDE FACILITY NAME P1 P2

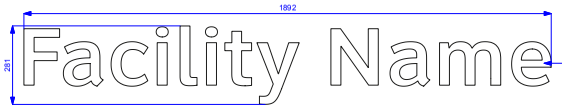
Colour to be checked on a site by site basis to ensure there is a minimum 70% colour constrast to mounting surface

5mm thick cut aluminum with a powder coated finish to match PMS Process Black C or White

Etched: etched or engraved into surface



2 3D



6 Front
Scale: 1:8

LETTERS - TRACKSIDE FACILITY NAME P1 P2

Colour to be checked on a site by site basis to ensure there is a minimum 70% colour constrast to application surface

Etched or engraved letters with a painted finish to match PMS Process Black C or White

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Size variants
Refer to Wayfinding Design Standard for standard sign size variants, an indicative size is shown

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE:	DRAWN BY:
30.11.18	JH
CHECKED BY:	APPROVED BY:
RC	
SCALE:	
VARIES @ ARCH D	

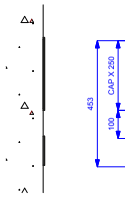
METROLINX

TYPE:	Platform Signs and Line Identification
LABEL:	PL3
NAME:	Trackside Facility Name
MOUNTING:	Characters or Etched
ILLUMINATION:	None

CONTRACT NO.	DWG. NO.	REV.	SHEET
	01.CE PL3		1 of 2

Characters: surface mounted

7 3D



10 Left
Scale: Actual Size

11 Front
Scale: 1:8

BLOOR-YONGE BOLD FONT
ALTERNATIVE LETTERS -
TRACKSIDE FACILITY & CROSS
STREET NAME

P1 P2

Colour to be checked on a site by site basis to ensure there is a minimum 70% colour constrast to mounting surface

5mm thick cut aluminum with a powder coated finish to match PMS Process Black C or White

Etched: etched or engraved into surface

8 3D

12 Front
Scale: 1:8

BLOOR-YONGE BOLD FONT
ALTERNATIVE LETTERS -
TRACKSIDE FACILITY & CROSS
STREET NAME

P1 P2

Colour to be checked on a site by site basis to ensure there is a minimum 70% colour constrast to mounting surface

Etched or engraved letters with a painted finish to match PMS Process Black C or White

9 Top
Scale: 1:8

MOUNTING

Back faces of letters to be installed flush to mounting surface

Manufacturer to detail mounting method; no visible fixings and all wall fixings to suit mounting surface

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Size variants
Refer to Wayfinding Design Standard for standard sign size variants, an indicative size is shown

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE:	DRAWN BY:
30.11.18	JH
CHECKED BY:	APPROVED BY:
RC	
SCALE:	
VARIES @ARCH D	

METROLINX

TYPE:	Platform Signs and Line Identification
LABEL:	PL3
NAME:	Trackside Facility Name
MOUNTING:	Characters or Etched
ILLUMINATION:	None

CONTRACT NO.	DWG. NO.	REV.	SHEET
	01.CE PL3		2 of 2

3.4.9 Characters

Relevant sign types
PL3 C

Overall sign dimensions (mm)
D 5
W varies
H varies

Description
Trackside facility name.

Materials and construction
Refer to design intent construction drawing(s).

Power, lighting and data
n/a

Finishes
Refer to design intent construction drawing(s).

Colours
Refer to design intent construction drawing(s).

Installation
Refer to design intent construction drawing(s).

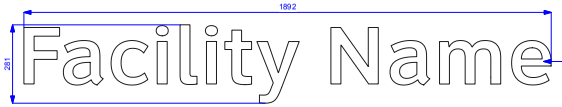
Design intent construction drawing(s)
01. C E PL3

Characters: surface mounted

1 3D

3 Top
Scale: 1:8

4 Left
Scale: 1:8



5 Front
Scale: 1:8

MOUNTING

Back faces of letters to be installed flush to mounting surface

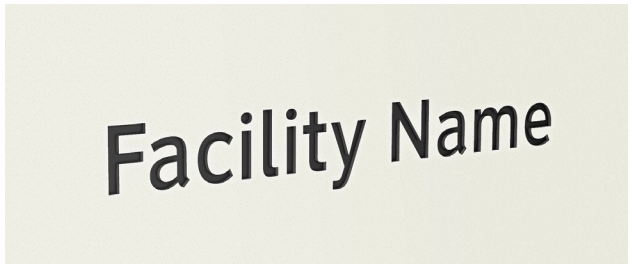
Manufacturer to detail mounting method; no visible fixings and all wall fixings to suit mounting surface

LETTERS - TRACKSIDE FACILITY NAME P1 P2

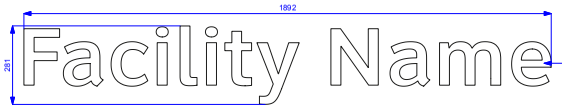
Colour to be checked on a site by site basis to ensure there is a minimum 70% colour constrast to mounting surface

5mm thick cut aluminum with a powder coated finish to match PMS Process Black C or White

Etched: etched or engraved into surface



2 3D



6 Front
Scale: 1:8

LETTERS - TRACKSIDE FACILITY NAME P1 P2

Colour to be checked on a site by site basis to ensure there is a minimum 70% colour constrast to application surface

Etched or engraved letters with a painted finish to match PMS Process Black C or White

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Size variants
Refer to Wayfinding Design Standard for standard sign size variants, an indicative size is shown

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE:	DRAWN BY:
30.11.18	JH
CHECKED BY:	APPROVED BY:
RC	
SCALE:	
VARIES @ ARCH D	

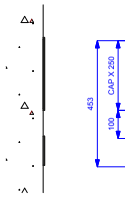
METROLINX

TYPE:	Platform Signs and Line Identification
LABEL:	PL3
NAME:	Trackside Facility Name
MOUNTING:	Characters or Etched
ILLUMINATION:	None

CONTRACT NO.	DWG. NO.	REV.	SHEET
	01.CE PL3		1 of 2

Characters: surface mounted

7 3D



10 Left
Scale: Actual Size

11 Front
Scale: 1:8

BLOOR-YONGE BOLD FONT ALTERNATIVE LETTERS - TRACKSIDE FACILITY & CROSS STREET NAME

P1 P2

Colour to be checked on a site by site basis to ensure there is a minimum 70% colour constrast to mounting surface

5mm thick cut aluminum with a powder coated finish to match PMS Process Black C or White

Etched: etched or engraved into surface

8 3D

12 Front
Scale: 1:8

BLOOR-YONGE BOLD FONT ALTERNATIVE LETTERS - TRACKSIDE FACILITY & CROSS STREET NAME

P1 P2

Colour to be checked on a site by site basis to ensure there is a minimum 70% colour constrast to mounting surface

Etched or engraved letters with a painted finish to match PMS Process Black C or White

9 Top
Scale: 1:8

MOUNTING

Back faces of letters to be installed flush to mounting surface

Manufacturer to detail mounting method; no visible fixings and all wall fixings to suit mounting surface

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Size variants
Refer to Wayfinding Design Standard for standard sign size variants, an indicative size is shown

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE:	DRAWN BY:
30.11.18	JH
CHECKED BY:	APPROVED BY:
RC	
SCALE:	
VARIES @ARCH D	

METROLINX

TYPE:	Platform Signs and Line Identification
LABEL:	PL3
NAME:	Trackside Facility Name
MOUNTING:	Characters or Etched
ILLUMINATION:	None

CONTRACT NO.	DWG. NO.	REV.	SHEET
	01.CE PL3		2 of 2

3.4.10 Photopolymer

Relevant sign types
AM2.2

Overall sign dimensions
Refer to design intent construction drawing(s).

Description
Simple panel sign indicating amenity.

Materials and construction
Refer to design intent construction drawing(s).

Power, lighting and data
n/a

Finishes
Refer to design intent construction drawing(s).

Colours
Refer to design intent construction drawing(s).

Installation
Please refer to Section 4.0 Mounting Guides.

Design intent construction drawing(s)
01.PH AM2.2

1 3D

GRAPHIC PANEL - DOOR SIGN P1 P3

FOR INTERIOR AND GLASS APPLICATIONS:

1/8" thick UV stable Novacryl panel with raised copy and Braille with suitable anti graffiti+reflection protection

Graphics to be suitably finished to match white, Pantone 285C and 428C

Mounted to surface with suitable grade 3M VHB tape

Panel face and edges to be painted to match PMS Process Black C

Panel to be fully removable

FOR EXTERIOR APPLICATIONS:

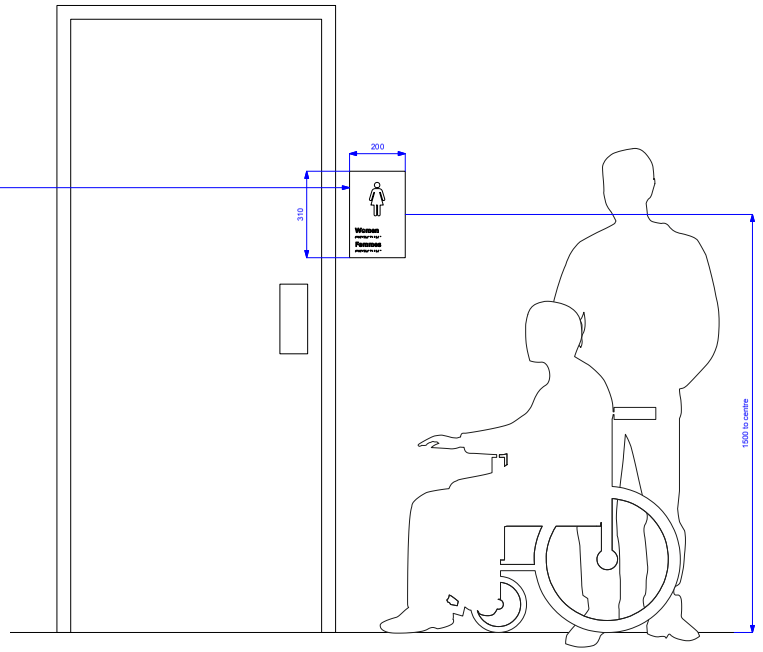
Zinc panel with etched away raised copy and Braille, with suitable anti graffiti+reflection protection

Zinc panel to have a powder coated finish to match PMS Process Black C and raised parts to be silk screened to match white and Pantone 428C

Zinc panel to be suitably mounted a backing panel of 1/8 inch thick aluminum with a powder coated finish to match PMS Process Black C

Panel assembly to be mounted to surface with suitable grade 3M VHB tape and silicone

Sign assembly to be fully removable to allow for updating



2 Front
Scale: 1:8

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Size variants
Refer to Wayfinding Design Standard for standard sign size variants, an indicative size is shown

Glazing application
If this sign type is applied to glazing, then a suitable block out patch to match Medium Gray should be applied to the first surface of glazing to prevent see through of reverse face

Exterior application
When this sign type needs to be installed on the exterior of a facility where atmospheric conditions, i.e. temperature and/or moisture levels are likely to fluctuate greatly, then the alternative 'FOR EXTERIOR APPLICATIONS' specification must be followed

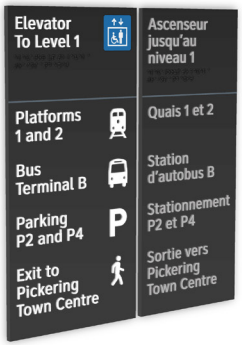
REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE: 20.12.18	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

TYPE:	Amenity markers
LABEL:	AM2.2
NAME:	Amenities ID
MOUNTING:	Photopolymer
ILLUMINATION:	None

CONTRACT NO.	DWG. NO.	REV.	SHEET
	01.PH AM2.2		1 of 1



1 3D

GRAPHIC PANEL - DOOR SIGN P1 P3

FOR INTERIOR AND GLASS APPLICATIONS:

1/8" thick UV stable Novacryl panel with raised copy and Braille with suitable anti graffiti+reflection protection

Graphics to be suitably finished to match white, Pantone 285C and 428C

Pictograms should not be raised

Mounted to surface with suitable grade 3M VHB tape

Panel face and edges to be painted to match PMS Process Black C

Panel to be fully removable

FOR EXTERIOR APPLICATIONS:

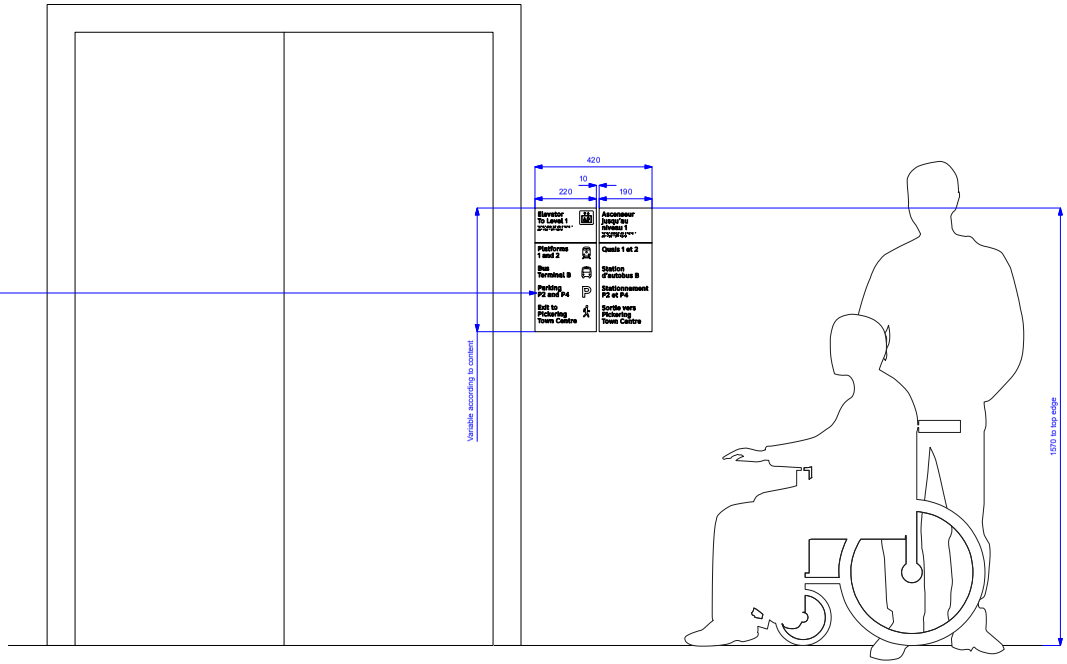
Zinc panel with etched away raised copy and Braille, with suitable anti graffiti+reflection protection

Zinc panel to have a powder coated finish to match PMS Process Black C and raised parts to be silk screened to match white, Pantone 285C and Pantone 428C

Zinc panel to be suitably mounted a backing panel of 1/8 inch thick aluminum with a powder coated finish to match PMS Process Black C

Panel assembly to be mounted to surface with suitable grade 3M VHB tape and silicone

Sign assembly to be fully removable to allow for updating



2 Front
Scale: 1:8

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Size variants
Refer to Wayfinding Design Standard for standard sign size variants, an indicative size is shown

Glazing application
If this sign type is applied to glazing, then a suitable block out patch to match Medium Gray should be applied to the first surface of glazing to prevent see through of reverse face

Exterior application
When this sign type needs to be installed on the exterior of a facility where atmospheric conditions, i.e. temperature and/or moisture levels are likely to fluctuate greatly, then the alternative 'FOR EXTERIOR APPLICATIONS' specification must be followed

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE: 20.12.18	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

TYPE:	Directional signs
LABEL:	DR2
NAME:	Elevator Directory
MOUNTING:	Photopolymer
ILLUMINATION:	None

CONTRACT NO.	DWG. NO.	REV.	SHEET
	02.PH DR2		1 of 1

3.4.11 Facility Beacon: Vehicular Lollipop

Relevant sign types
TH1 6M
TH1 8M

Overall sign dimensions (mm)
D 350
W 1322
H 6000 or 8000 / 5550 or 7550

Description
Post mounted network identifier and operator logos.

Materials and construction
Refer to design intent construction drawing(s).

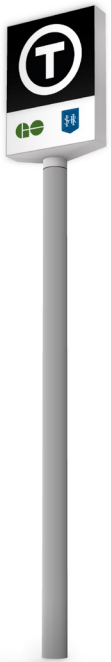
Power, lighting and data
Power supply required for sign, to be concealed within sign structure.

Finishes
Refer to design intent construction drawing(s).

Colours
Refer to design intent construction drawing(s).

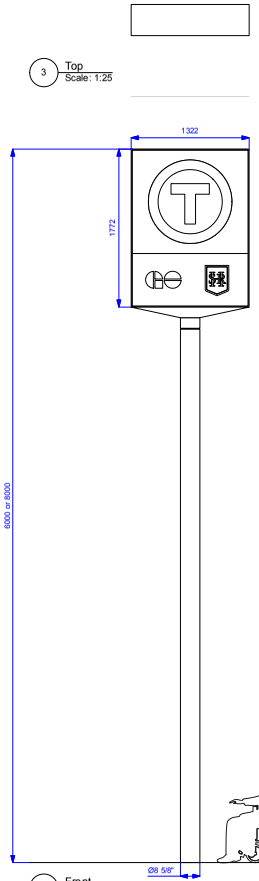
Installation
Please refer to Section 4.0 Mounting Guides.

Design intent construction drawing(s)
02.FSSP TH1 6M 8M
10.FSSP COLLARS
11.FSSP TH1 6M 8M A



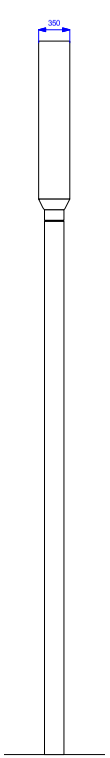
1 3D

2 3D Illuminated

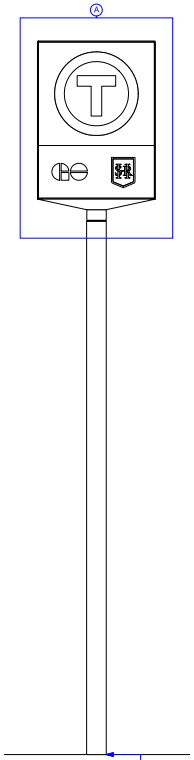


3 Top
Scale: 1:25

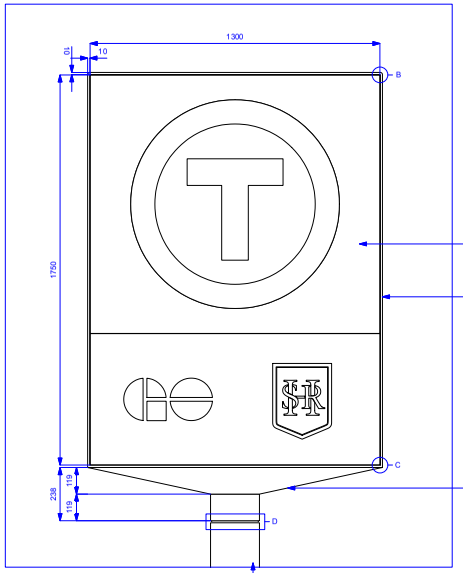
4 Front
Scale: 1:25



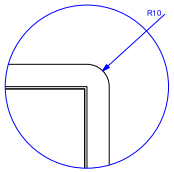
5 Left
Scale: 1:25



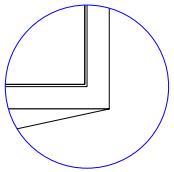
6 Rear
Scale: 1:25



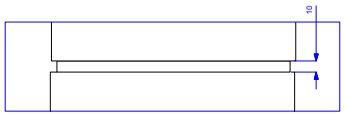
7 Detail A
Scale: 1:10



8 Detail B
Scale: Actual Size



9 Detail C
Scale: Actual Size



10 Detail D
Scale: Half Actual Size

PANEL, NETWORK IDENTIFIER & OPERATOR LOGOS P1 P2

Panel to be folded aluminum of a suitable thickness with a powder coated finish to match PMS Process Black C and White, all corners to be welded and dressed back

Network Identifier and Operator Logo contents to be surface applied with suitable off the shelf external grade cut 3M or Avery vinyl graphics to the Pantone colour(s) of the individual logos with suitable anti graffiti +pick+reflection protection that will not cause cupping/tenting over content. Mounted to a backing panel of 5mm opal PMMA panel with white LED day/night sensor controlled internal illumination

LED colour temperature = between 5000 and 5700K, subject to Metrolinx approval

Luminance of white sections to be a minimum of 200cd/m sq.

Panel to be fully removable from the sign assembly to allow for updating

FRAME P9

10mm thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings

Cable access hole to LED illumination through sign body and to be fitted external to sign within building

COLLAR P9

Cast aluminum with a super durable powder coated finish to match RAL 9006 White aluminum. Casting to be completed using 3D model created by sign designers

10mm shadow gap detail between collar and post, no visible fixings

POST P8

Suitable CHS with a powder coated finish to match RAL Slate grey 7015

MOUNTING

See freestanding signs mounting guide

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Operator logos
The qty. of OPERATOR LOGOS is site dependent

Power supply
Power supply to LED PSU through post, all cabling to be within sign body

Contrast elements
Refer to drawing: "01.T CON ELE" for details of the contrast elements that must be applied to this sign type

Collar
Please refer to the drawing: "10.FSSP COLLARS" for the design of this part

The collar is to be 3D printed at a suggested scale of 1:4 prior to any development of casting, in order to assess the form in three dimensions

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DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

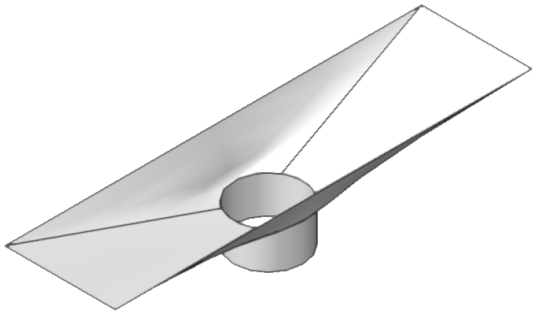
DATE:	DRAWN BY:
31.05.19	JH
CHECKED BY:	APPROVED BY:
RC	
SCALE:	
VARIES @ ARCH D	

METROLINX

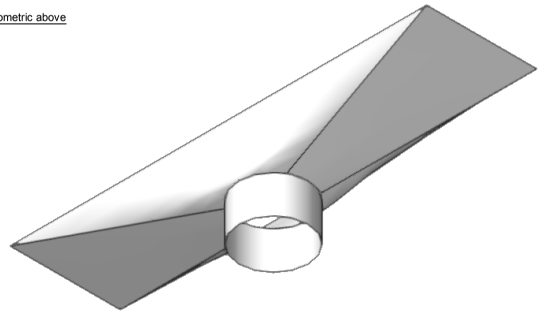
TYPE:	Threshold Marker
LABEL:	TH1 6M 8M
NAME:	Facility Beacon: Vehicular Lollipop, Future State
MOUNTING:	Freestanding - Single Post
ILLUMINATION:	Illuminated

CONTRACT NO.	DWG. NO.	REV.	SHEET
	02.T FSSP TH1 6M 8M		1 of 1

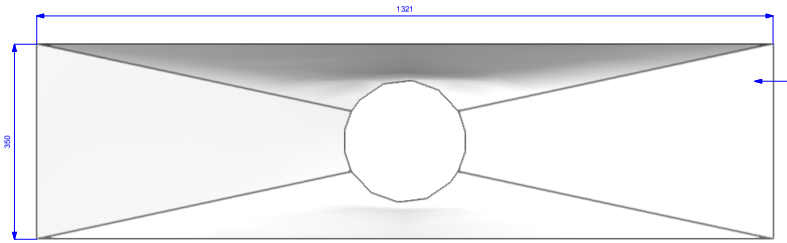
Collar 1
For 6m and 8m tall signs



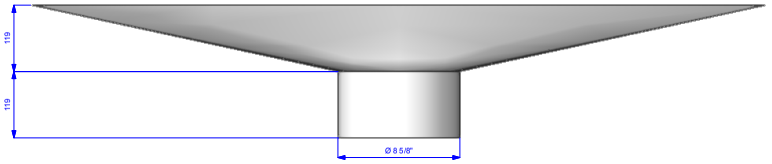
1 Isometric above



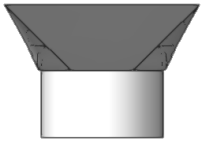
2 Isometric below



3 Top
Scale: 1:4

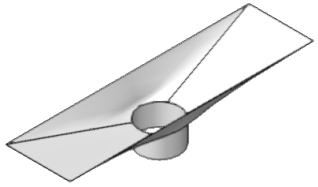


4 Front
Scale: 1:4

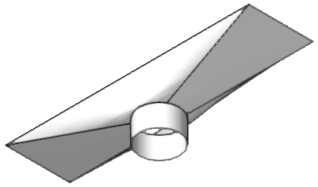


5 Left
Scale: 1:4

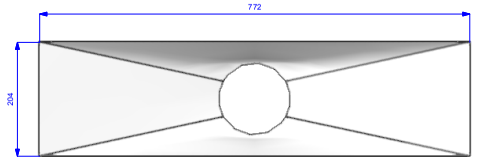
Collar 2
For 4m tall signs



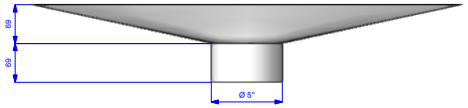
6 Isometric below



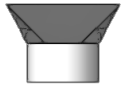
7 Isometric below



8 Top
Scale: 1:4



9 Front
Scale: 1:4



10 Left
Scale: 1:4

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

External surfaces
This drawing shows the design intent for the external surfaces of the collars, manufacturer to detail all internal, fixing and structural parts

3D data
Please refer to file:
"MTX Collars v.01.3dm" for the 3D model used to create the collar

The collar is to be 3D printed at a suggested scale of 1:4 prior to any development of casting, in order to assess the form in three dimensions

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE: 29.03.19	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

TYPE:	Threshold Marker
LABEL:	Collars
NAME:	Facility Beacon
MOUNTING:	Freestanding - Single Post
ILLUMINATION:	N/A

CONTRACT NO.	DWG. NO.	REV.	SHEET
	10.FSSP COLLARS		1 of 1

3.4.12 Facility Beacon: Pedestrian Lollipop

Relevant sign types

TH2.2 fabrication first preference
TH2.2 A fabrication second preference
TH2.2 B fabrication third preference

Overall sign dimensions (mm)

D Varies
W 772
H Varies

Description

Post mounted network identifier, facility name and operator logos.

Materials and construction

Refer to design intent construction drawing(s).

Power, lighting and data

Power supply required for sign, to be concealed within sign structure.

Finishes

Refer to design intent construction drawing(s).

Colours

Refer to design intent construction drawing(s).

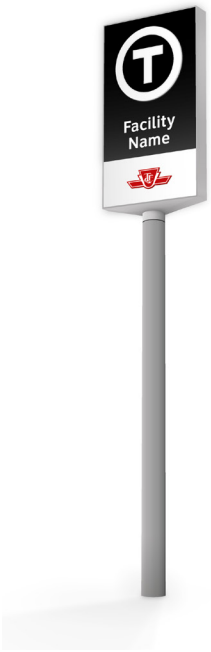
Installation

Please refer to Section 4.0 Mounting Guides.

Design intent construction drawing(s)

03.FSSP TH2.2
08.FSSP TH2.2 A
09.FSSP TH2.2 B
10.FSSP COLLARS
12.FSSP TH2.2 C

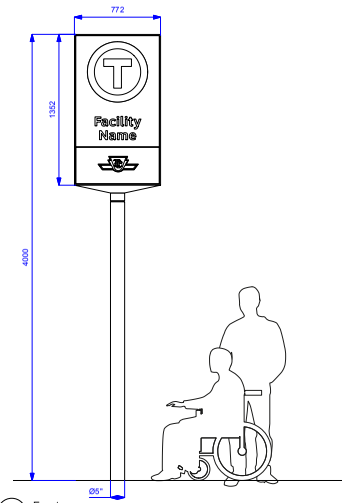
First preference for construction of this sign type, TBC by Metrolinx



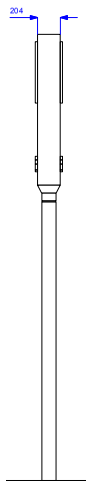
1 3D

2 3D Illuminated

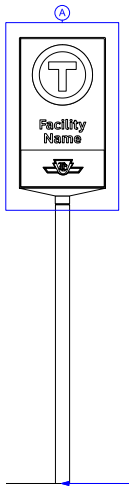
3 Top
Scale: 1:20



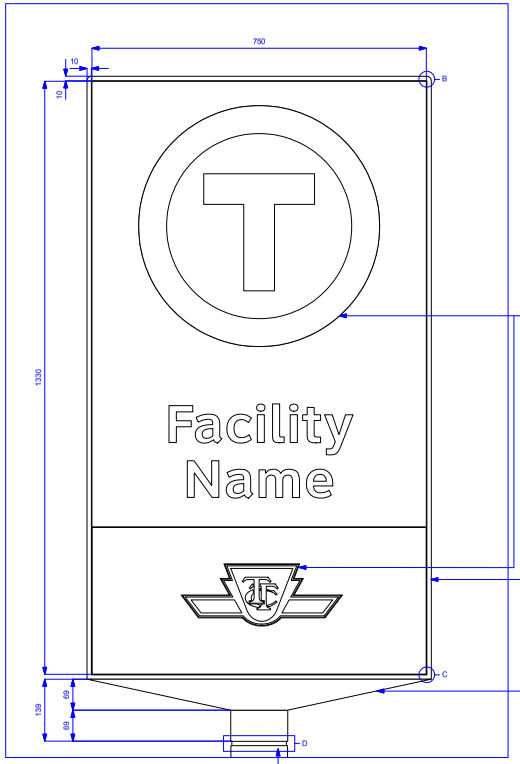
4 Front
Scale: 1:20



5 Left
Scale: 1:20



6 Rear
Scale: 1:20



7 Detail A
Scale: 1:5

PANEL, NETWORK IDENTIFIER, OPERATOR LOGOS & FACILITY NAME P1 P2 V2

Panel to be folded aluminum of a suitable thickness with a powder coated finish to match PMS Process Black C and White , all corners to be welded and dressed back

Logo contents to be pushed through from sign face with applied suitable off the shelf external grade cut 3M or Avery vinyl graphics to match black and the Pantone colour(s) of the individual logos with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content. Mounted to a backing panel of 5mm opal PMMA panel with white LED day/night sensor controlled internal illumination

Facility Name content to be surface applied with suitable off the shelf external grade cut 3M or Avery vinyl graphics to match white with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content. Mounted to a backing panel of 5mm opal PMMA panel with white LED day/night sensor controlled internal illumination

LED colour temperature = between 5000 and 5700K, subject to Metrolinx approval

Luminance of white sections to be a minimum of 200cd/m sq.

Panel to be fully removable from the sign assembly to allow for updating

FRAME P9

10mm thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings

Cable access hole to LED illumination through sign body and to be fitted external to sign within building

COLLAR P9

Cast aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

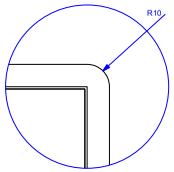
10mm shadow gap detail between collar and post, no visible fixings

POST P8

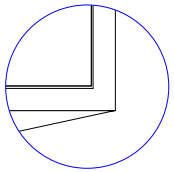
Suitable CHS with a powder coated finish to match RAL Slate grey 7015

MOUNTING

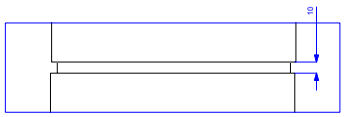
See freestanding signs mounting guide



8 Detail B
Scale: Actual Size



9 Detail C
Scale: Actual Size



10 Detail D
Scale: Half Actual Size

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Operator logos
The qty. of OPERATOR LOGOS is site dependent

Power supply
Power supply to LED PSU through post, all cabling to be within sign body

Facility names
Number of text lines varies according to facility name

Contrast elements
Refer to drawing: "01.T CON ELE" for details of the contrast elements that must be applied to this sign type

Collar
Please refer to the drawing: "10.FSSP COLLARS" for the design of this part

The collar is to be 3D printed at a suggested scale of 1:4 prior to any development of casting, in order to assess the form in three dimensions

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE:	DRAWN BY:
31.05.19	JH
CHECKED BY:	APPROVED BY:
RC	
SCALE:	
VARIES @ARCH D	

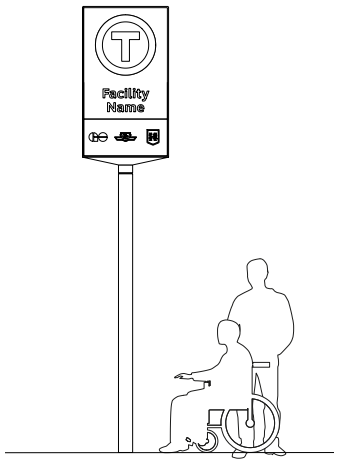
METROLINX

TYPE:	Threshold Marker
LABEL:	TH2.2
NAME:	Facility Beacon: Pedestrian Lollipop, Future State
MOUNTING:	Freestanding - Single Post
ILLUMINATION:	Illuminated

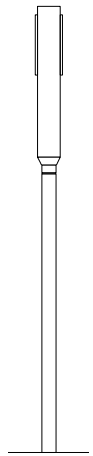
CONTRACT NO.	DWG. NO.	REV.	SHEET
	03.T FSSP TH2.2		1 of 1

Second preference for construction of this sign type, TBC by Metrolinx

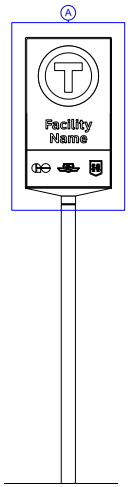
1 Top
Scale: 1:20



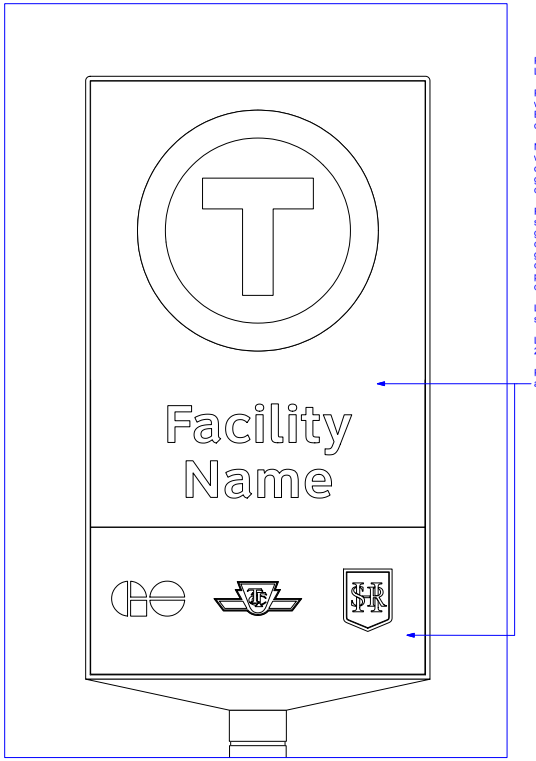
2 Front
Scale: 1:20



3 Left
Scale: 1:20



4 Rear
Scale: 1:20



5 Detail A
Scale: 1:5

PANEL, NETWORK IDENTIFIER, OPERATOR LOGOS & FACILITY NAME P1 P2 V2

Panel to be folded aluminum of a suitable thickness with a powder coated finish to match PMS Process Black C and White, all corners to be welded and dressed back

Network Identifier to be pushed through from sign face with applied suitable off the shelf external grade cut 3M or Avery vinyl graphics to match black with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

Facility Name and Operator Logo contents to be surface applied with suitable off the shelf external grade cut 3M or Avery vinyl graphics to the Pantone colour(s) of the individual logos with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content. Mounted to a backing panel of 5mm opal PMMA panel with white LED day/night sensor controlled internal illumination

LED colour temperature = between 5000 and 5700K, subject to Metrolinx approval

Luminance of white sections to be a minimum of 200cd/m sq.

Panel to be fully removable from the sign assembly to allow for updating

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Operator logos
The qty. of OPERATOR LOGOS is site dependent

Power supply
Power supply to LED PSU through post, all cabling to be within sign body

Facility names
Number of text lines varies according to facility name

Contrast elements
Refer to drawing: "01.T CON ELE" for details of the contrast elements that must be applied to this sign type

Collar
Please refer to the drawing: "10.FSSP COLLARS" for the design of this part

The collar is to be 3D printed at a suggested scale of 1:4 prior to any development of casting, in order to assess the form in three dimensions

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

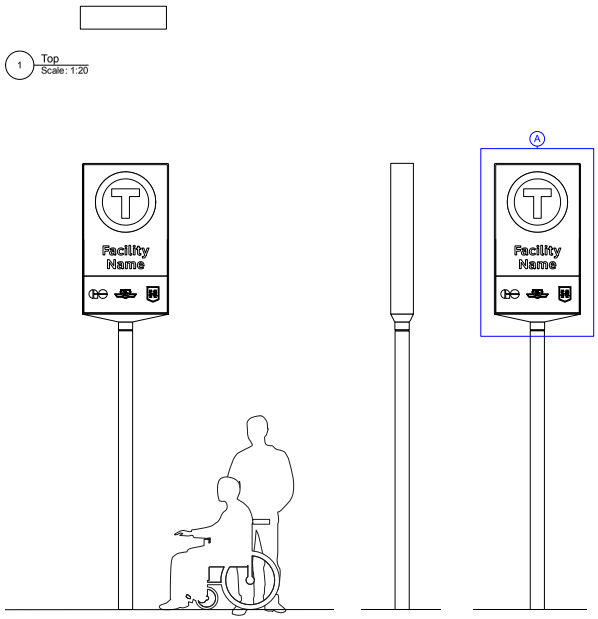
DATE: 31.05.19	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

TYPE:	Threshold Marker
LABEL:	TH2.2 A
NAME:	Facility Beacon: Pedestrian Lollipop, Future State
MOUNTING:	Freestanding - Single Post
ILLUMINATION:	Illuminated

CONTRACT NO.	DWG. NO.	REV.	SHEET
	08.T FSSP TH2.2 A		1 of 1

Third preference for construction of this sign type, TBC by Metrolinx

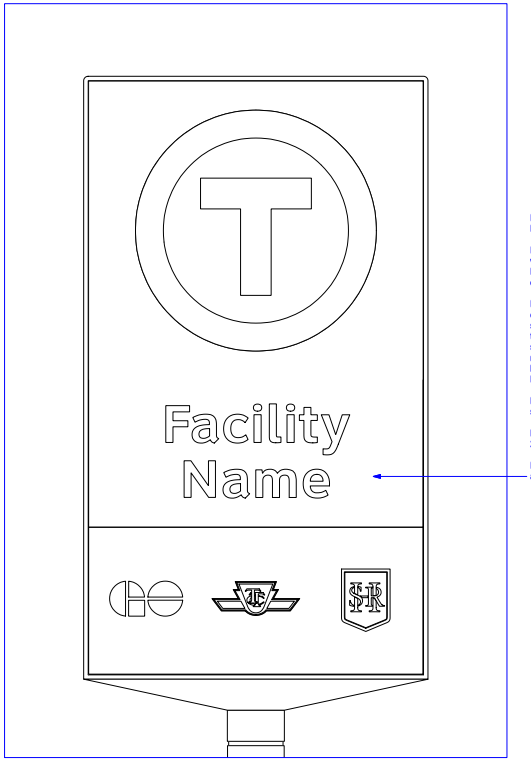


1 Top
Scale: 1:20

2 Front
Scale: 1:20

3 Left
Scale: 1:20

4 Rear
Scale: 1:20



5 Detail A
Scale: 1:5

PANEL, NETWORK IDENTIFIER, OPERATOR LOGOS & FACILITY NAME P1 P2 V2

Panel to be folded aluminum of a suitable thickness with a powder coated finish to match PMS Process Black C and White, all corners to be welded and dressed back

Network Identifier, Facility Name and Operator Logo contents to be surface applied with suitable off the shelf external grade cut 3M or Avery vinyl graphics to the Pantone colour(s) of the individual logos with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content. Mounted to a backing panel of 5mm opal PMMA panel with white LED day/night sensor controlled internal illumination

LED colour temperature = between 5000 and 5700K, subject to Metrolinx approval

Luminance of white sections to be a minimum of 200cd/m sq.

Panel to be fully removable from the sign assembly to allow for updating

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Operator logos
The qty. of OPERATOR LOGOS is site dependent

Power supply
Power supply to LED PSU through post, all cabling to be within sign body

Facility names
Number of text lines varies according to facility name

Contrast elements
Refer to drawing: "01.T CON ELE" for details of the contrast elements that must be applied to this sign type

Collar
Please refer to the drawing: "10.FSSP COLLARS" for the design of this part

The collar is to be 3D printed at a suggested scale of 1:4 prior to any development of casting, in order to assess the form in three dimensions

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE: 31.05.19	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

TYPE:	Threshold Marker
LABEL:	TH2.2 B
NAME:	Facility Beacon: Pedestrian Lollipop, Future State
MOUNTING:	Freestanding - Single Post
ILLUMINATION:	Illuminated

CONTRACT NO.	DWG. NO.	REV.	SHEET
	09.T FSSP TH2.2 B		1 of 1

3.4.13 Facility Beacon: Pedestrian Totem

Relevant sign types
TH2.1

Overall sign dimensions (mm)
D 195
W 672
H 3500

Description
Multifunctional beacon sign featuring network operator logo, facility name, operator logos, directional information and map.

Materials and construction
Refer to design intent construction drawing(s).

Power, lighting and data
Power supply required for sign, to be concealed within sign structure.

Finishes
Refer to design intent construction drawing(s).

Colours
Refer to design intent construction drawing(s).

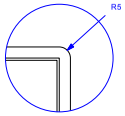
Installation
Please refer to Section 4.0 Mounting Guides.

Design intent construction drawing(s)
01.FS TH2.1

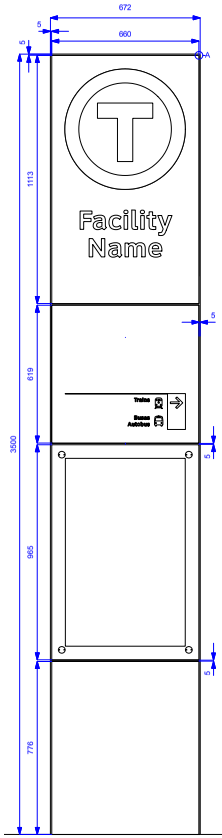
1 3D

2 3D Illuminated

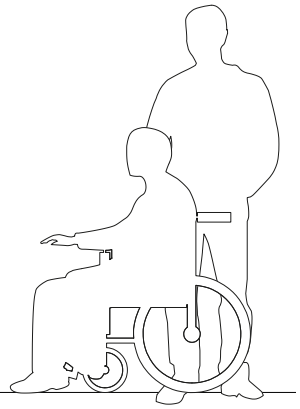
3 Top
Scale: 1:10



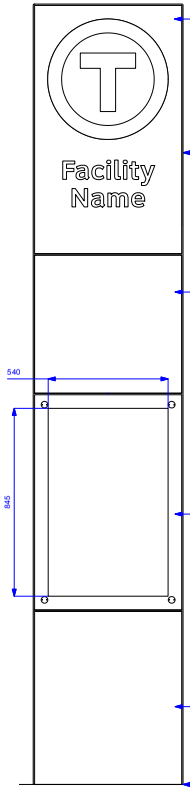
7 Detail A
Scale: Actual Size



4 Front
Scale: 1:10



5 Left
Scale: 1:10



6 Rear
Scale: 1:10

GRAPHIC PANEL - NETWORK IDENTIFIER & FACILITY NAME V1

5mm opal PMMA panel with white LED day/night sensor controlled internally illuminated vinyl graphics

All graphics to be updatable

LED colour temperature = between 5000 and 5700K, subject to Metrolinx approval

Luminance of white sections to be a minimum of 200cd/m sq.

Panel to be fully removable from the sign assembly to allow for updating

FRAME P9

5mm thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings

Cable access hole to LED illumination through sign body

GRAPHIC PANEL - DIRECTIONAL P1 V2 V3 V6 Or artwork dependent V5

Panel to be folded 1/8 inch thick aluminum with a powder coated finish to match PMS Process Black C, all corners to be welded and dressed back

Content to be suitable off the shelf external grade cut 3M or Avery vinyl graphics with graffiti+pick+reflection protection that will not cause cupping/tenting over content

Panel to be fully removable from the sign assembly to allow for updating

POSTER PANEL

Toughened low iron ultra clear glass panel of a minimal thickness of 5mm with suitable anti-reflective film/treatment. Manufacturer to specify a suitable film/method to keep glass together if it is cracked. This film/method must not affect colour and clarity of prints inside. A suitable waterproof neoprene or similar seal to be applied around the perimeter of the panel, concealed around internal face

Content to be suitable rear applied, updatable grade, full colour UV stable digital print

Spray test required to ensure panel is waterproof

Panel to be held in place with 4 no. countersunk two hole stainless steel security fixings

When map content is not present, the panel must have a suitable rear applied blank film applied to it, to match black of rest of sign

KICK PANEL

5mm thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings

MOUNTING

See freestanding signs mounting guide

8 3D without map

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Power supply
Power supply to LED PSU through post, all cabling to be within sign body

Facility names
Number of text lines varies according to facility name

Contrast elements
Refer to drawing: "01.T CON ELE" for details of the contrast elements that must be applied to this sign type

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE:	DRAWN BY:
31.05.19	JH
CHECKED BY:	APPROVED BY:
RC	
SCALE:	
VARIES @ ARCH D	

METROLINX

TYPE:	Threshold Marker
LABEL:	TH2.1
NAME:	Facility Beacon: Pedestrian Totem, Future State
MOUNTING:	Freestanding
ILLUMINATION:	Illuminated

CONTRACT NO.	DWG. NO.	REV.	SHEET
	01.T FS TH2.1		1 of 1

3.4.14 Facility Marker: Wall mounted

Relevant sign types
TH3.1.1

Overall sign dimensions (mm)
D 120
W varies
H 1538

Description
Wall mounted network identifier and operator logos.

Materials and construction
Refer to design intent construction drawing(s).

Power, lighting and data
Power supply required for sign, to be concealed within sign structure.

Finishes
Refer to design intent construction drawing(s).

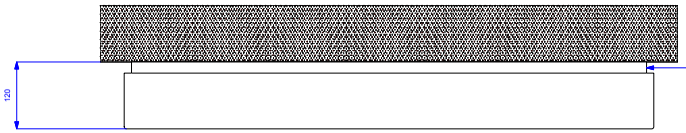
Colours
Refer to design intent construction drawing(s).

Installation
Please refer to Section 4.0 Mounting Guides.

Design intent construction drawing(s)
01.WM TH3.1.1

1 3D

2 3D Illuminated



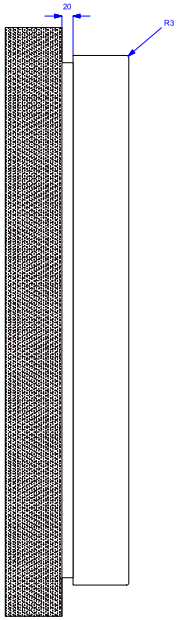
SPACER, MOUNTING & POWER SUPPLY

20mm thick black acetal spacer disc

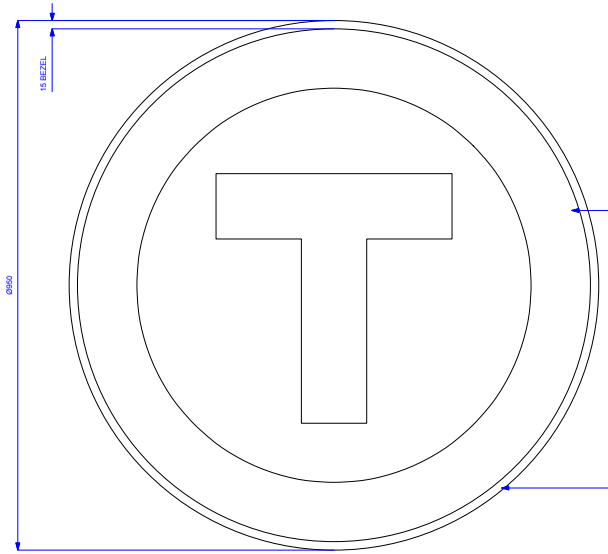
Cable access hole to LED illumination through sign body and to be fitted external to sign within building

Manufacturer to detail mounting method; no visible fixings and all wall fixings to suit mounting surface

3 Top
Scale: 1:4



4 Left
Scale: 1:4



GRAPHIC PANEL - NETWORK IDENTIFIER V1

5mm opal PMMA panel with white LED daylight sensor controlled internally illuminated vinyl graphics, bonded into inside face of bezel, with suitable anti graffiti+pick+reflection protection

LED colour temperature = between 5000 and 5700K, subject to Metrolinx approval

Luminance of white sections to be a minimum of 200cd/m sq.

Panel to be fully removable from the sign assembly to allow for updating

FRAME P9

3mm thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings

5 Front
Scale: 1:4

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Rails
Individually mounting the elements as shown is the preferred method. Manufacturer to detail a rail mounted alternative if required for a particular site

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE: 17.05.19	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

TYPE:	Threshold Marker
LABEL:	TH3.1.1
NAME:	Facility Marker, Future State
MOUNTING:	Wall mounted
ILLUMINATION:	Illuminated

CONTRACT NO.	DWG. NO.	REV.	SHEET
	01.T WM TH3.1.1		1 of 1

3.4.15 Facility Marker: Wall mounted+Name

Relevant sign types

TH3.1.2 fabrication first preference
TH3.1.2 A fabrication second preference

Overall sign dimensions (mm)

D 120
W varies
H varies

Description

Wall mounted network identifier and operator logos with facility name.

Materials and construction

Refer to design intent construction drawing(s).

Power, lighting and data

Power supply required for sign, to be concealed within sign structure.

Finishes

Refer to design intent construction drawing(s).

Colours

Refer to design intent construction drawing(s).

Installation

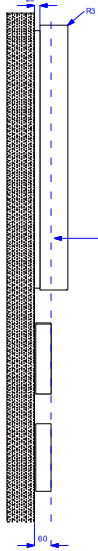
Please refer to Section 4.0 Mounting Guides.

Design intent construction drawing(s)

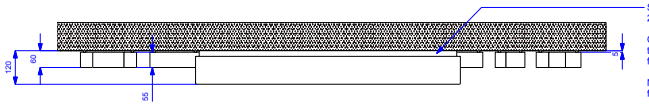
02.WM TH3.1.2
16.WM TH3.1.2 A

1 3D when applied to a light background

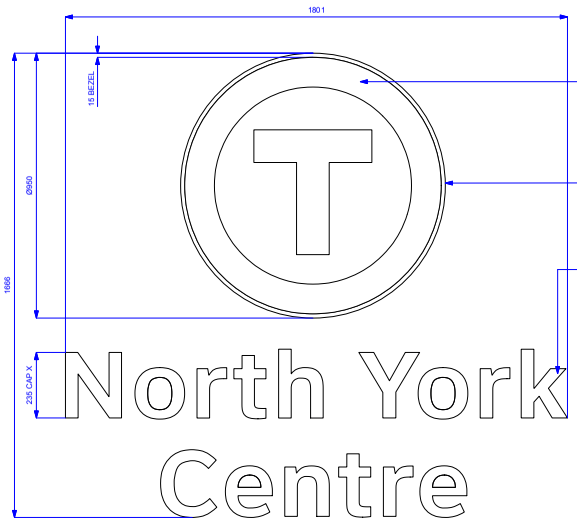
2 3D Illuminated when applied to a light background



4 Left
Scale: 1:8



3 Top
Scale: 1:8



5 Front
Scale: 1:8

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Rails
Individually mounting the elements as shown is the preferred method. Manufacturer to detail a rail mounted alternative if required for a particular site

Facility names
Number of text lines within LETTERS varies according to station name

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE: 31.05.19	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

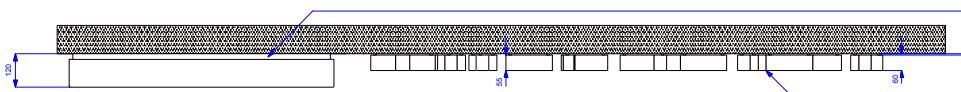
METROLINX

TYPE:	Threshold Marker
LABEL:	TH3.1.2
NAME:	Facility Marker + Name, Future State
MOUNTING:	Wall mounted
ILLUMINATION:	Illuminated

CONTRACT NO.	DWG. NO.	REV.	SHEET
	02.T WM TH3.1.2		1 of 1

1 3D when applied to a light background

2 3D Illuminated when applied to a light background



3 Top
Scale: 1:8

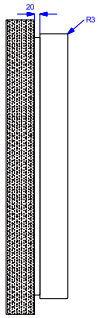
SPACER, MOUNTING & POWER SUPPLY
20mm thick black acetal spacer disc

Cable access hole to LED PSU through sign body and spacer to be fitted external to sign within building

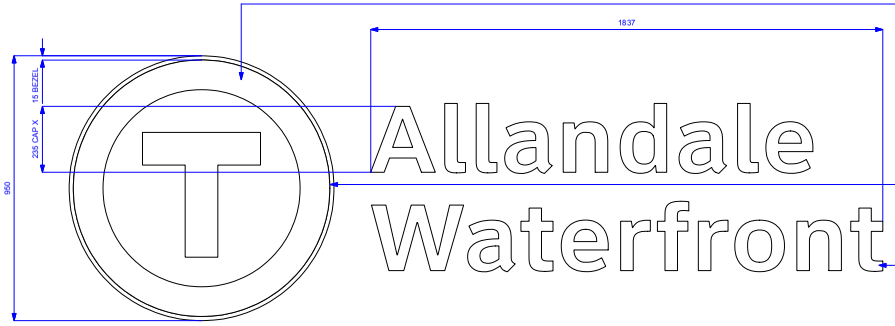
Manufacturer to detail mounting method; no visible fixings and all wall fixings to suit mounting surface

LETTERS - DEPTH

Face of letters to align to 50% of the overall depth on the GRAPHIC PANELS



4 Left
Scale: 1:8



5 Front
Scale: 1:8

GRAPHIC PANEL - NETWORK IDENTIFIER V1

5mm opal PMMA panel with white LED internally illuminated vinyl graphics, bonded into inside face of bezel, with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

LED colour temperature = between 5000 and 5700K, subject to Metrolinx approval

Luminance of white sections to be a minimum of 200cd/m sq.

Panel to be fully removable from the sign assembly to allow for updating

FRAME P9

3mm thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings

LETTERS P9

Faces: illuminated edge to edge, with day/night sensor control

When sign is applied to a light background: faces to appear black by day when illumination is off, then to appear white by night when illumination is on. The use of a face applied translucent cast vinyl or CRYLUX Night & Day or similar 'colour changing' PMMA material should be used to achieve this

When sign is applied to a dark background: faces to appear white by day and by night

Returns: aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Colour to be checked on a site by site basis to ensure there is a minimum 70% colour contrast to application surface

LED colour temperature = between 5000 and 5700K, subject to Metrolinx approval

Luminance of white sections to be a minimum of 200cd/m sq.

No visible fixings

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Rails
Individually mounting the elements as shown is the preferred method. Manufacturer to detail a rail mounted alternative if required for a particular site

Facility names
Number of text lines within LETTERS varies according to station name

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE:	DRAWN BY:
31.05.19	JH
CHECKED BY:	APPROVED BY:
RC	
SCALE:	
VARIES @ ARCH D	

METROLINX

TYPE:	Threshold Marker
LABEL:	TH3.1.2 A
NAME:	Facility Marker + Name, Future State
MOUNTING:	Wall mounted
ILLUMINATION:	Illuminated

CONTRACT NO.	DWG. NO.	REV.	SHEET
	16.T WM TH3.1.2 A		1 of 1

3.4.16 Facility Marker: Projecting

Relevant sign types

TH3.2 fabrication first preference
TH3.2 A fabrication second preference
TH3.2 B fabrication third preference
TH3.2 C

Overall sign dimensions (mm)

D varies
W 812
H 1012

Description

Double sided projecting signs with frame detail.

Materials and construction

Refer to design intent construction drawing(s).

Power, lighting and data

Power supply required for internal illumination, to be concealed within sign structure.

Finishes

Refer to design intent construction drawing(s).

Colours

Refer to design intent construction drawing(s).

Installation

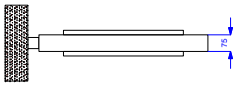
Please refer to Section 4.0 Mounting Guides.

Design intent construction drawing(s)

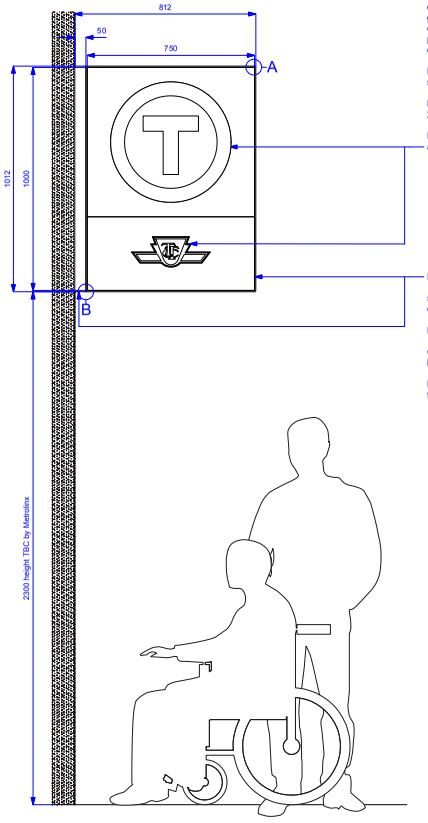
01.PR TH3.2
05.PR TH3.2 A
06.PR TH3.2 B
07.PR TH3.2 C

1 3D

2 3D Illuminated



3 Top
Scale: 1:10



4 Front
Scale: 1:10

PANEL, NETWORK IDENTIFIER & OPERATOR LOGOS P1 P2

Panel to be folded aluminum of a suitable thickness with a powder coated finish to match PMS Process Black C and White , all corners to be welded and dressed back

Logo contents to be pushed through from sign face with applied suitable off the shelf external grade cut 3M or Avery vinyl graphics to with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content. Mounted to a backing panel of 5mm opal PMMA panel with white LED day/night sensor controlled internal illumination

LED colour temperature = between 5000 and 5700K, subject to Metrolinx approval

Luminance of white sections to be a minimum of 200cd/m sq.

Panel to be fully removable from the sign assembly to allow for updating

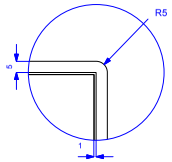
FRAME & ARMATURE P9

5mm thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

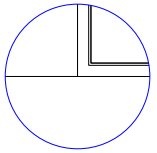
Minimal CSK painted out visible fixings

Cable access hole to LED illumination through sign body and to be fitted external to sign within building

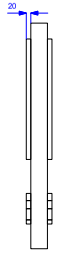
Manufacturer to detail mounting method; no visible fixings and all wall fixings to suit mounting surface



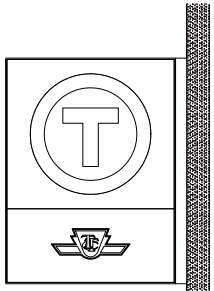
7 Detail A
Scale: Actual Size



8 Detail B
Scale: Actual Size



5 Right
Scale: 1:10



6 Rear
Scale: 1:10

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Operator logos
The qty. of OPERATOR LOGOS is site dependent

Floor clearance
The shown safe floor clearance is TBC by Metrolinx

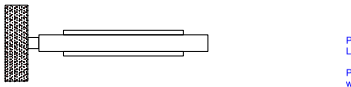
REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE:	DRAWN BY:
31.05.19	JH
CHECKED BY:	APPROVED BY:
RC	
SCALE:	
VARIES @ ARCH D	

METROLINX

TYPE:	Threshold Marker
LABEL:	TH3.2
NAME:	Facility Marker, Future State
MOUNTING:	Projecting
ILLUMINATION:	Illuminated

CONTRACT NO.	DWG. NO.	REV.	SHEET
	01.T PR TH3.2		1 of 1



1 Top
Scale: 1:10

PANEL, NETWORK IDENTIFIER & OPERATOR LOGOS P1 P2

Panel to be folded aluminum of a suitable thickness with a powder coated finish to match PMS Process Black C and White, all corners to be welded and dressed back

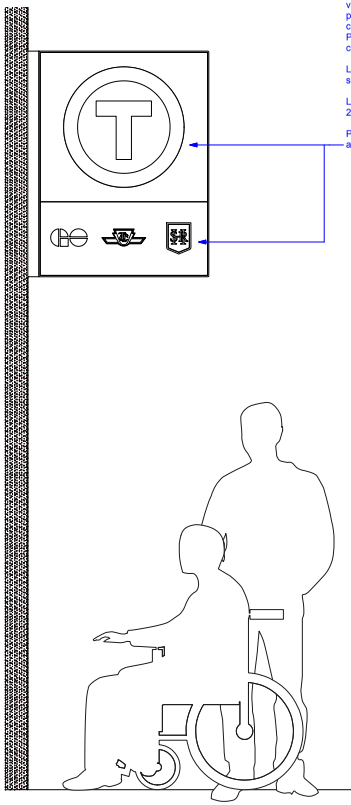
Network Identifier to be pushed through from sign face with applied suitable off the shelf external grade cut 3M or Avery vinyl graphics with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

Operator Logo contents to be surface applied with suitable off the shelf external grade cut 3M or Avery vinyl graphics with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content. Mounted to a backing panel of 5mm opal PMMA panel with white LED day/night sensor controlled internal illumination

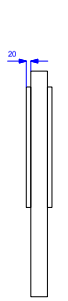
LED colour temperature = between 5000 and 5700K, subject to Metrolinx approval

Luminance of white sections to be a minimum of 200cd/m sq.

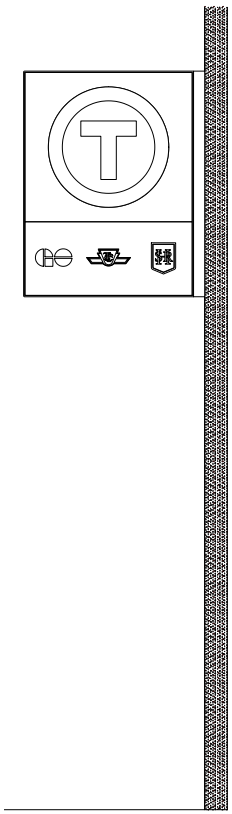
Panel to be fully removable from the sign assembly to allow for updating



2 Front
Scale: 1:10



3 Right
Scale: 1:10



4 Rear
Scale: 1:10

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Operator logos
The qty. of OPERATOR LOGOS is site dependent

Floor clearance
The shown safe floor clearance is TBC by Metrolinx

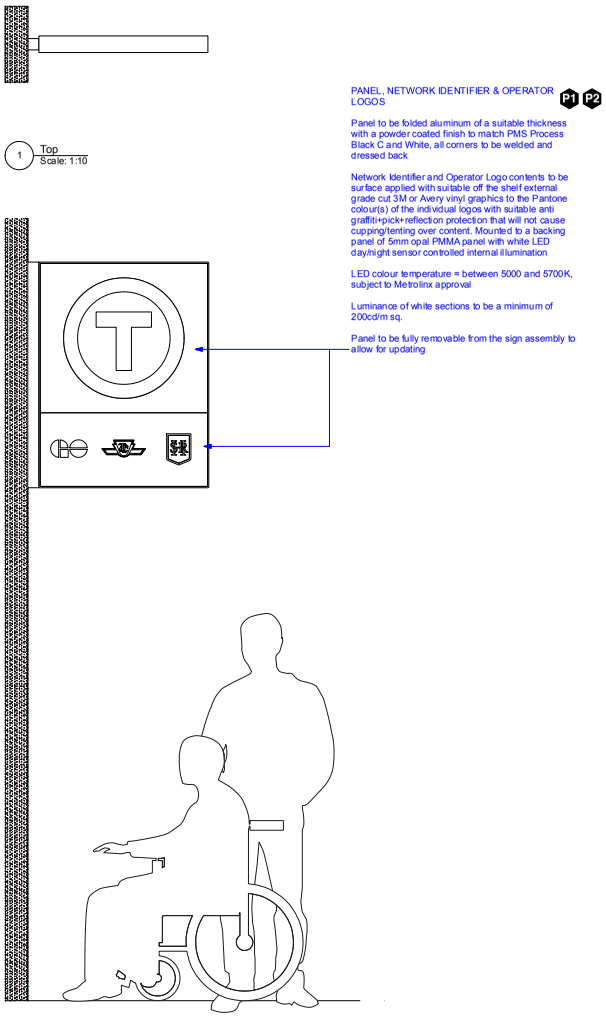
REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE: 31.05.19	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

TYPE:	Threshold Marker
LABEL:	TH3.2 A
NAME:	Facility Marker, Future State
MOUNTING:	Projecting
ILLUMINATION:	Illuminated

CONTRACT NO.	DWG. NO.	REV.	SHEET
	05.T PR TH3.2 A		1 of 1



GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Operator logos
The qty. of OPERATOR LOGOS is site dependent

Floor clearance
The shown safe floor clearance is TBC by Metrolinx

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE: 31.05.19	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

TYPE:	Threshold Marker
LABEL:	TH3.2
NAME:	Facility Marker, Future State
MOUNTING:	Projecting
ILLUMINATION:	Illuminated

CONTRACT NO.	DWG. NO.	REV.	SHEET
	06.T PR TH3.2 B		1 of 1

3.4.17 First and Last Trains

Relevant sign types
TH7

Overall sign dimensions (mm)
D 19
W 577
H 577 or 882

Description
Wall mounted sign panel containing updateable information about first and last trains.

Materials and construction
Refer to design intent construction drawing(s).

Power, lighting and data
n/a

Finishes
Refer to design intent construction drawing(s).

Colours
Refer to design intent construction drawing(s).

Installation
Please refer to Section 4.0 Mounting Guides.

Design intent construction drawing(s)
05.WM TH7

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

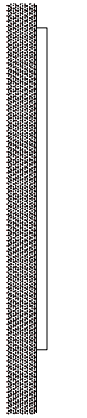
Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

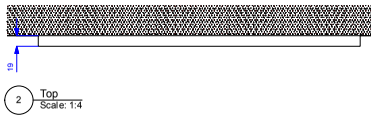
Size variants
Refer to Wayfinding Design Standard for standard sign size variants, an indicative size is shown.

Note that there is a larger size version with an overall height of 882mm (559+305) and the updatable area of the larger size is 754mm (449+305).

1 3D



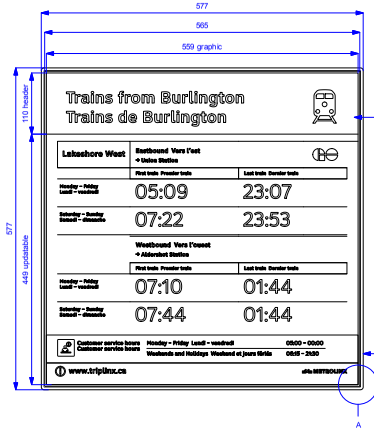
3 Left
Scale: 1:4



2 Top
Scale: 1:4

MOUNTING

Manufacturer to detail mounting method; no visible fixings and all wall fixings to suit mounting surface



4 Front
Scale: 1:4

GRAPHIC PANEL - FIRST AND LAST TRAINS P1 V2 V3

Panel to be folded 1/8 inch thick aluminum with a powder coated finish to match PMS Process Black C, all corners to be welded and dressed back

Header graphic - content to be suitable off the shelf external grade cut 3M or Avery vinyl graphics to match white and Medium Gray with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

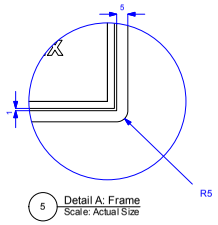
Updatable graphic - to be suitable external grade anti UV removable digital print with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

Panels to be fully removable from the sign assembly to allow for updating

FRAME P9

5mm thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings



5 Detail A: Frame
Scale: Actual Size

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE:	DRAWN BY:
30.11.18	JH
CHECKED BY:	APPROVED BY:
RC	
SCALE:	
VARIES @ ARCH D	

METROLINX

TYPE:	Threshold Marker
LABEL:	TH7
NAME:	First and Last Trains
MOUNTING:	Wall mounted
ILLUMINATION:	None

CONTRACT NO.	DWG. NO.	REV.	SHEET
	05.WM TH7		1 of 1

3.4.18 Information Hub: Wall mounted

Relevant sign types
IN1.1
IN1.2
IN1.3
IN1.4
IN1.5
IN1.6

Overall sign dimensions (mm)
D 78
W varies
H 1127

Description
Wall mounted poster case(s) with a graphic header panel and printed content.

Materials and construction
Refer to design intent construction drawing(s).

Power, lighting and data
n/a

Finishes
Refer to design intent construction drawing(s).

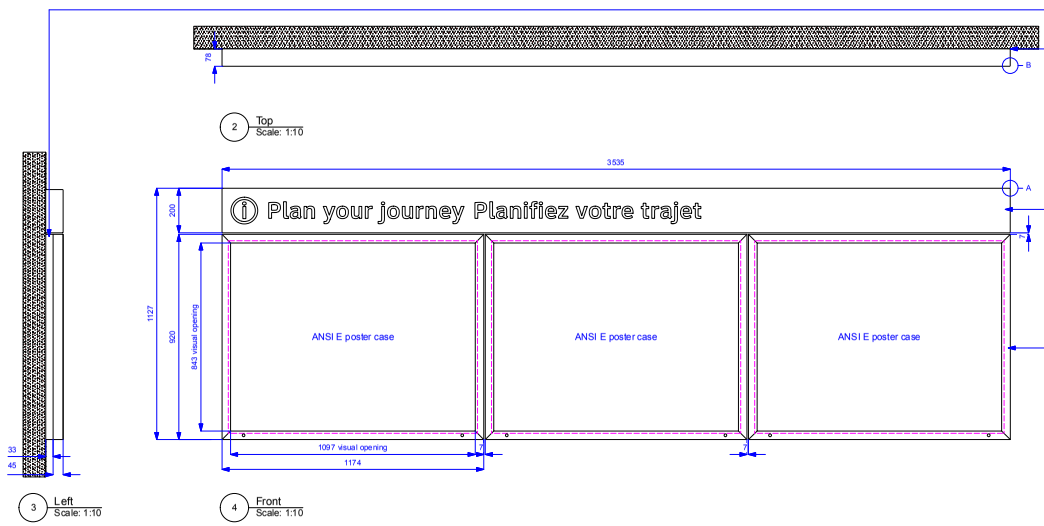
Colours
Refer to design intent construction drawing(s).

Installation
Please refer to Section 4.0 Mounting Guides.

Design intent construction drawing(s)*
07.WM IN1.1
08.WM IN VARIANTS

*To be referred to in conjunction with one another

1 3D



2 Top
Scale: 1:10

3 Left
Scale: 1:10

4 Front
Scale: 1:10

POSTERCASE BACKING P9

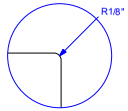
1/8 inch thick aluminum sheet with a super durable powder coated finish to match RAL 9006 White aluminum

Signs to have no voids behind

No visible fixings

MOUNTING

Manufacturer to detail mounting method; no visible fixings and all wall fixings to suit mounting surface



5 Detail A
Scale: Actual Size

GRAPHIC PANEL P1 V2 V3

Panel to be folded 1/8 inch thick aluminum with a powder coated finish to match PMS Process Black C, all corners to be welded and dressed back

Content to be suitable off the shelf external grade cut 3M or Avery vinyl graphics to match white, and Medium Gray with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

Panel to be fully removable from the sign assembly to allow for updating

POSTER CASES P9

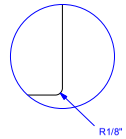
Case: aluminum with a super durable powder coated finish to match RAL 9006 White aluminum. Case to be top hinged with suitable gas springs included to support the open frame doors during print updates. Glass face to be toughened low iron ultra clear sheet of a minimal thickness of 5mm with suitable anti-reflective film/treatment. Manufacturer to specify a suitable film/method to keep glass together if it is cracked. This film/method must not affect colour and clarity of prints inside

Spray test required on case to ensure it is waterproof

Rear internal face of cases to a powder coated finish to match RAL 9006 White aluminum

Locks: 2 cam locks per poster case, spaced apart to ensure strength against potential prying open. Each lock to not be a PHP type but of a suitable external commercial grade with custom covers

Printed content: dashed magenta line indicates prints, printed content to be installed at a minimal distance from the internal glass face. To be held in place with suitable non-adhesive or non-velcro based fit for purpose clipping method. For spec., see drawing "08.WM IN VARIANTS"



6 Detail B
Scale: Actual Size

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Size variants
Refer to Wayfinding Design Standard and drawing: "08.WM IN VARIANTS" for details of the standard size variants for this sign type, an indicative size is shown

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

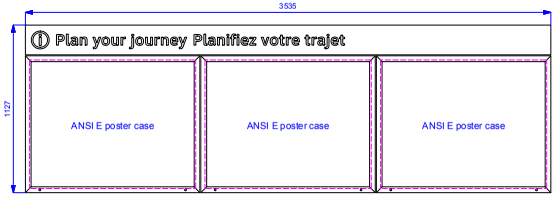
DATE: 30.11.18	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

TYPE:	Information Hub
LABEL:	IN1.1 WM
NAME:	Type A
MOUNTING:	Wall mounted
ILLUMINATION:	None

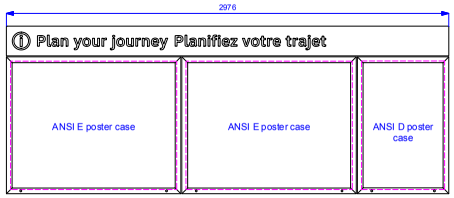
CONTRACT NO.	DWG. NO.	REV.	SHEET
	07.WM.IN1.1		1 of 1

1 3D - IN1.1 Type A



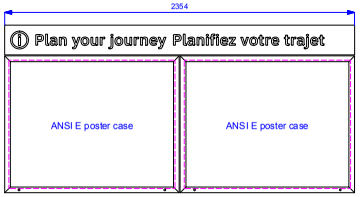
2 Front: IN1.1 Type A
Scale: 1:15

3 3D - IN1.2 Type B



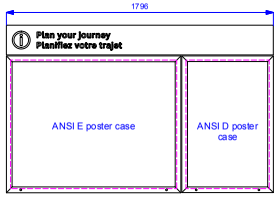
4 Front: IN1.2 Type B
Scale: 1:15

5 3D - IN1.3 Type C



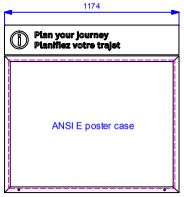
6 Front: IN1.3 Type C
Scale: 1:15

7 3D - IN1.4 Type D



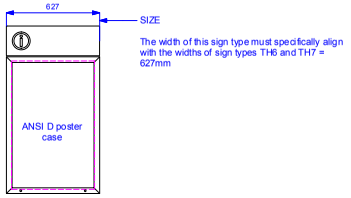
8 Front: IN1.4 Type D
Scale: 1:15

9 3D - IN1.5 Type E

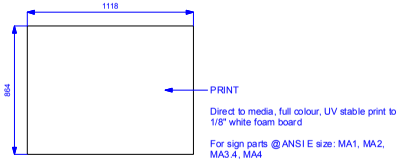


10 Front: IN1.5 Type E
Scale: 1:15

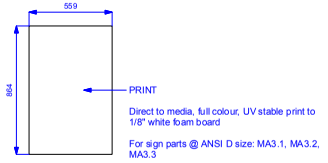
11 3D - IN1.6 Type F



12 Front: IN1.6 Type F
Scale: 1:15



13 Front: ANSI E print
Scale: 1:15



14 Front: ANSI D print
Scale: 1:15

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Construction details
See drawing: "07.WM IN1.1" for construction detail of this sign type

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE: 30.11.18	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ARCH D	

METROLINX

TYPE:	Information Hub
LABEL:	IN
NAME:	Variants
MOUNTING:	Wall mounted
ILLUMINATION:	None

CONTRACT NO.	DWG. NO.	REV.	SHEET
	08.WM IN VARIANTS		1 of 1

3.4.19 Information Hub: Freestanding

Relevant sign types
IN1.1
IN1.2
IN1.3
IN1.4
IN1.5
IN1.6

Overall sign dimensions
D varies
W varies
H 2030

Description
Freestanding poster case(s) with a graphic header panel and printed content, single and double sided versions.

Materials and construction
Refer to design intent construction drawing(s).

Power, lighting and data
n/a

Finishes
Refer to design intent construction drawing(s).

Colours
Refer to design intent construction drawing(s).

Installation
Please refer to Section 4.0 Mounting Guides.

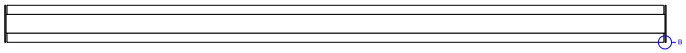
Design intent construction drawing(s)*
02.FSDP IN1.1
03.FSDP IN VARIANTS

*To be referred to in conjunction with one another

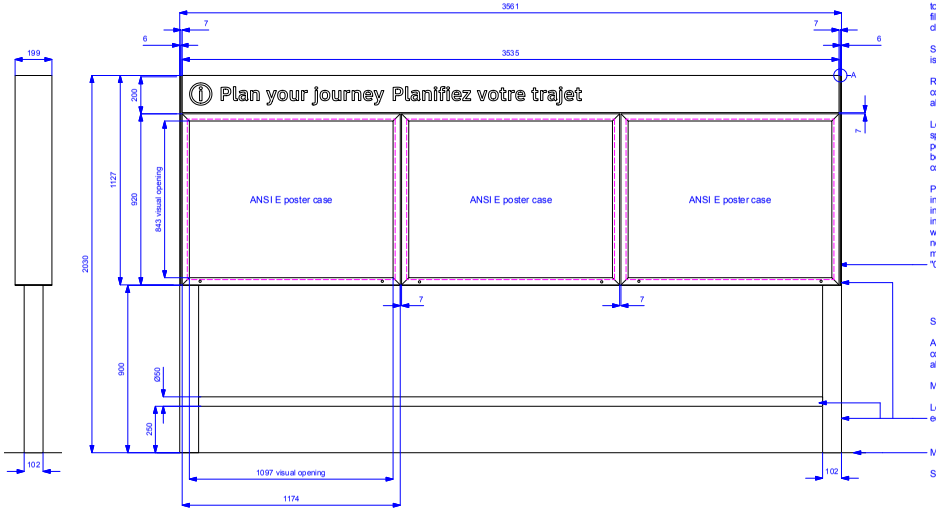
Double sided

1 3D Front

2 3D Rear



3 Top
Scale: 1:12



4 Left
Scale: 1:12

5 Front
Scale: 1:12

GRAPHIC PANEL P1 V2 V3

Panel to be folded 1/8 inch thick aluminum with a powder coated finish to match PMS Process Black C, all corners to be welded and dressed back

Content to be suitable off the shelf external grade cut 3M or Avery vinyl graphics to match white, and Medium Gray with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

Panel to be fully removable from the sign assembly to allow for updating

POSTER CASES P9

Case: aluminum with a super durable powder coated finish to match RAL 9006 White aluminum. Case to be top hinged with suitable gas springs included to support the open frame doors during print updates. Glass face to be toughened low iron ultra clear sheet of a minimal thickness of 5mm with suitable anti-reflective film/treatment. Manufacturer to specify a suitable film/method to keep glass together if it is cracked. This film/method must not affect colour and clarity of prints inside

Spray test required on case to ensure it is waterproof

Rear internal face of cases to a powder coated finish to match RAL 9006 White aluminum

Locks: 2 cam locks per poster case, spaced apart to ensure strength against potential prying open. Each lock to not be a PHP type but of a suitable external commercial grade with custom covers

Printed content: dashed magenta line indicates prints, printed content to be installed at a minimal distance from the internal glass face. To be held in place with suitable non-adhesive or non-velcro based fit for purpose clipping method. For spec., see drawing "03.FSDP IN VARIANTS"

SIDE PANELS, LEGS & TAP RAIL P9

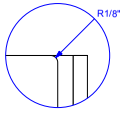
Aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings

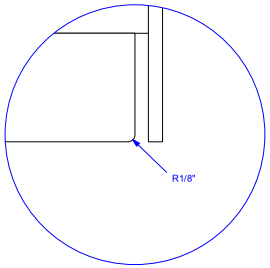
Legs to have a 5mm radius applied to edges

MOUNTING

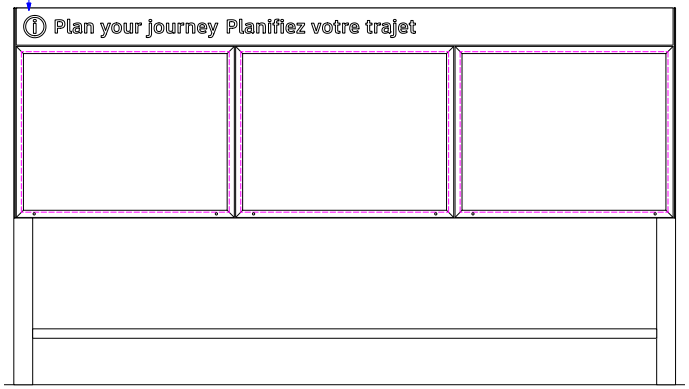
See freestanding signs mounting guide



7 Detail A
Scale: Actual Size



8 Detail B
Scale: Actual Size



6 Rear
Scale: 1:12

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Size variants
Refer to Wayfinding Design Standard and drawing: "08.WM IN VARIANTS" for details of the standard size variants for this sign type, an indicative size is shown

Coordination
Other freestanding sign types installed in close proximity must have their overall installed height adjusted to match this sign type

Contrast elements
Refer to drawing: "01.CON ELE" for details of the contrast elements that must be applied to this sign type

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE:	DRAWN BY:
20.12.18	JH
CHECKED BY:	APPROVED BY:
RC	
SCALE:	
VARIES @ ARCH D	

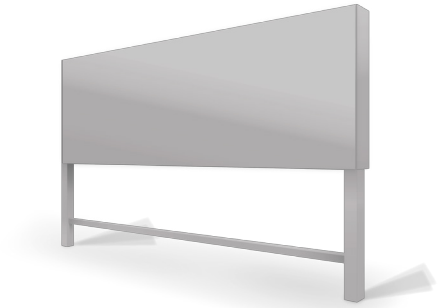
METROLINX

TYPE:	Information Hub
LABEL:	IN1.1 FS
NAME:	Type A
MOUNTING:	Freestanding - double post
ILLUMINATION:	None

CONTRACT NO.	DWG. NO.	REV.	SHEET
	02.FSDP IN1.1		1 of 2

Single sided

9 3D Front



10 3D Rear

REAR PANEL P9

Panel to be folded 1/8 inch thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum, all corners to be welded and dressed back

GRAPHIC PANEL P1 V2 V3

Panel to be folded 1/8 inch thick aluminum with a powder coated finish to match PMS Process Black C, all corners to be welded and dressed back

Content to be suitable off the shelf external grade cut 3M or Avery vinyl graphics to match white, and Medium Gray with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

Panel to be fully removable from the sign assembly to allow for updating

POSTER CASES P9

Case: aluminum with a super durable powder coated finish to match RAL 9006 White aluminum. Case to be top hinged with suitable gas springs included to support the open frame doors during print updates. Glass face to be toughened low iron ultra clear sheet of a minimal thickness of 5mm with suitable anti-reflective film/treatment. Manufacturer to specify a suitable film/method to keep glass together if it is cracked. This film/method must not affect colour and clarity of prints inside

Spray test required on case to ensure it is waterproof

Rear internal face of cases to a powder coated finish to match RAL 9006 White aluminum

Locks: 2 cam locks per poster case, spaced apart to ensure strength against potential prying open. Each lock to not be a PHP type but of a suitable external commercial grade with custom covers

Printed content: dashed magenta line indicates prints, printed content to be installed at a minimal distance from the internal glass face. To be held in place with suitable non-adhesive or non-velcro based fit for purpose clipping method. For spec., see drawing "03.FSDP IN VARIANTS"

SIDE PANELS, LEGS & TAP RAIL P9

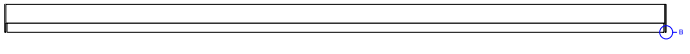
Aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings

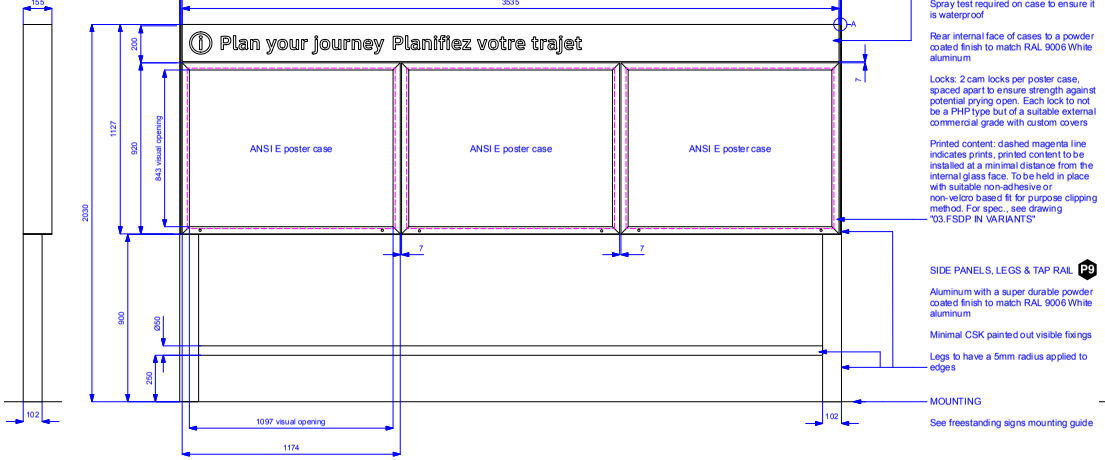
Legs to have a 5mm radius applied to edges

MOUNTING

See freestanding signs mounting guide

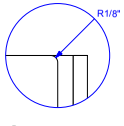


11 Top
Scale: 1:12

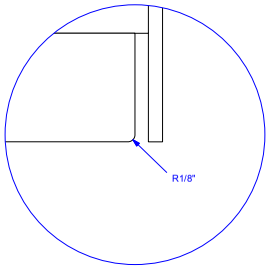


12 Left
Scale: 1:12

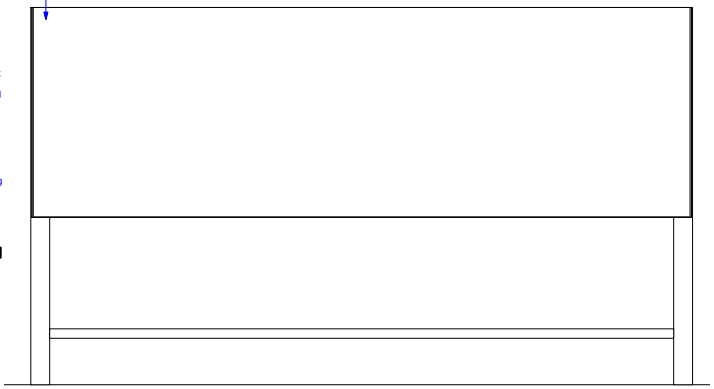
13 Front
Scale: 1:12



15 Detail A
Scale: Actual Size



16 Detail B
Scale: Actual Size



14 Rear
Scale: 1:12

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Size variants
Refer to Wayfinding Design Standard and drawing: "08.WM IN VARIANTS" for details of the standard size variants for this sign type, an indicative size is shown

Coordination
Other freestanding sign types installed in close proximity must have their overall installed height adjusted to match this sign type

Contrast elements
Refer to drawing: "01.CON ELE" for details of the contrast elements that must be applied to this sign type

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

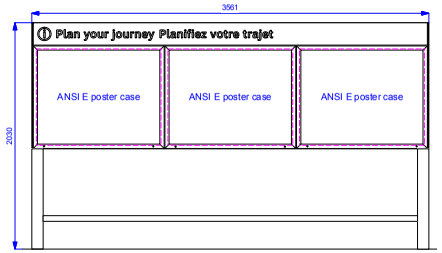
DATE:	DRAWN BY:
20.12.18	JH
CHECKED BY:	APPROVED BY:
RC	
SCALE:	
VARIES @ ARCH D	

METROLINX

TYPE:	Information Hub
LABEL:	IN1.1 FS
NAME:	Type A
MOUNTING:	Freestanding - double post
ILLUMINATION:	None

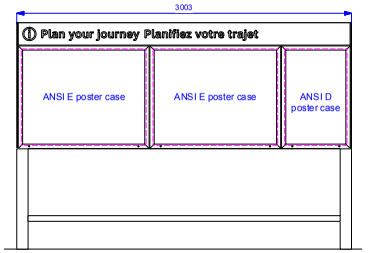
CONTRACT NO.	DWG. NO.	REV.	SHEET
	02.FSDP IN1.1		2 of 2

1 3D - IN1.1 Type A



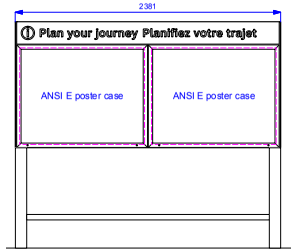
2 Front: IN1.1 Type A
Scale: 1:20

3 3D - IN1.2 Type B



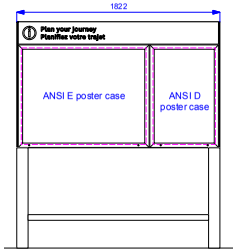
4 Front: IN1.2 Type B
Scale: 1:20

5 3D - IN1.3 Type C



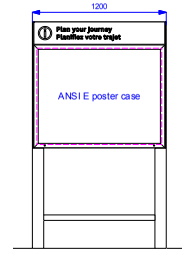
6 Front: IN1.3 Type C
Scale: 1:20

7 3D - IN1.4 Type D



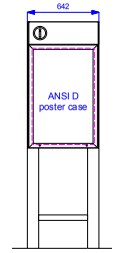
8 Front: IN1.4 Type D
Scale: 1:20

9 3D - IN1.5 Type E

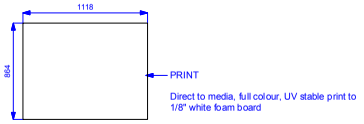


10 Front: IN1.5 Type E
Scale: 1:20

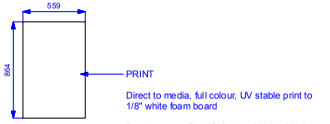
11 3D - IN1.6 Type F



12 Front: IN1.6 Type F
Scale: 1:20



13 Front: ANSI E print
Scale: 1:20



14 Front: ANSI D print
Scale: 1:20

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Construction details
See drawing: "02.FSDP IN1.1" for construction detail of this sign type

Contrast elements
Refer to drawing: "01.CON ELE" for details of the contrast elements that must be applied to this sign type

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE: 30.11.18	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

TYPE:	Information Hub
LABEL:	IN
NAME:	Variants
MOUTING:	Freestanding - double post
ILLUMINATION:	None

CONTRACT NO.	DWG. NO.	REV.	SHEET
	03.FSDP IN VARIANTS		1 of 1

3.4.20 Bus Flag

Relevant sign types
BU1.1
BU1.2
BU1.3
BU2.1
BU2.2
BU3.1
BU3.2

Overall sign dimensions
Please refer to design intent construction drawing(s) and standard sizes for size variants.

Description
Simple post mounted bus flags and a 3D Network Identifier symbol.

Materials and construction
Refer to design intent construction drawing(s).

Power, lighting and data
n/a

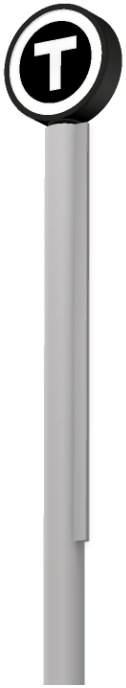
Finishes
Refer to design intent construction drawing(s).

Colours
Refer to design intent construction drawing(s).

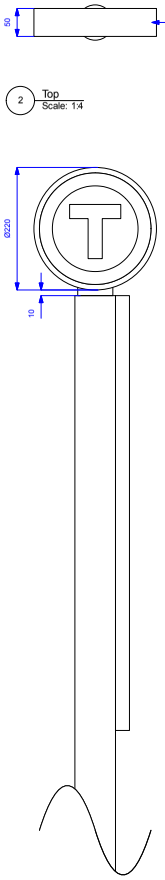
Installation
Please refer to Section 4.0 Mounting Guides.

Design intent construction drawing(s)
01.BU1.1
02.BU1.2
03.BU1.3
04.BU2.1
05.BU2.2
06.BU3.1
07.BU3.2

Signage for bus facilities development status
Note: Signs designed for bus facilities, including Bus Flag, Bus Schedule Panel, Bus Stop Guide and Bus Interior Bus Bay ID designs are under development. Designs will be further refined to meet the specific requirements of transit operators.

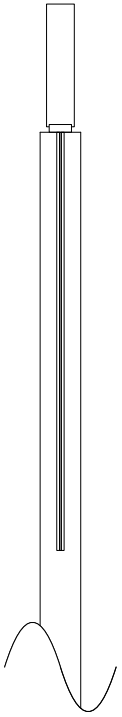


1 3D



2 Top
Scale: 1:4

3 Front
Scale: 1:4



4 Right
Scale: 1:4

FINIAL P1 V2

Aluminum cylindrical form with a powder coated finish to match black

No visible fixings

Network identifier graphic content to be suitable off the shelf external grade cut 3M or Avery vinyl graphics to match white with a suitable anti graffiti+pick+reflection overlaminate

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

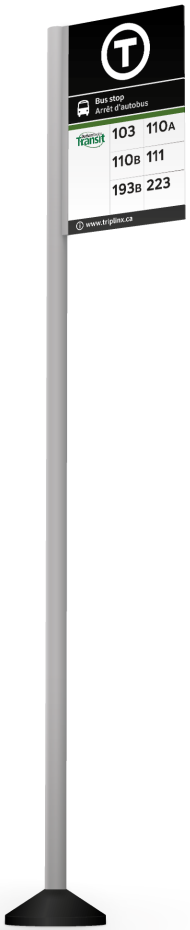
REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE: 31.05.19	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

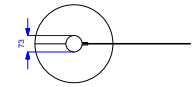
METROLINX

TYPE:	Bus bay / stop signs
LABEL:	BU1.1
NAME:	Bus Stop Finial, Future State
MOUNTING:	Freestanding
ILLUMINATION:	None

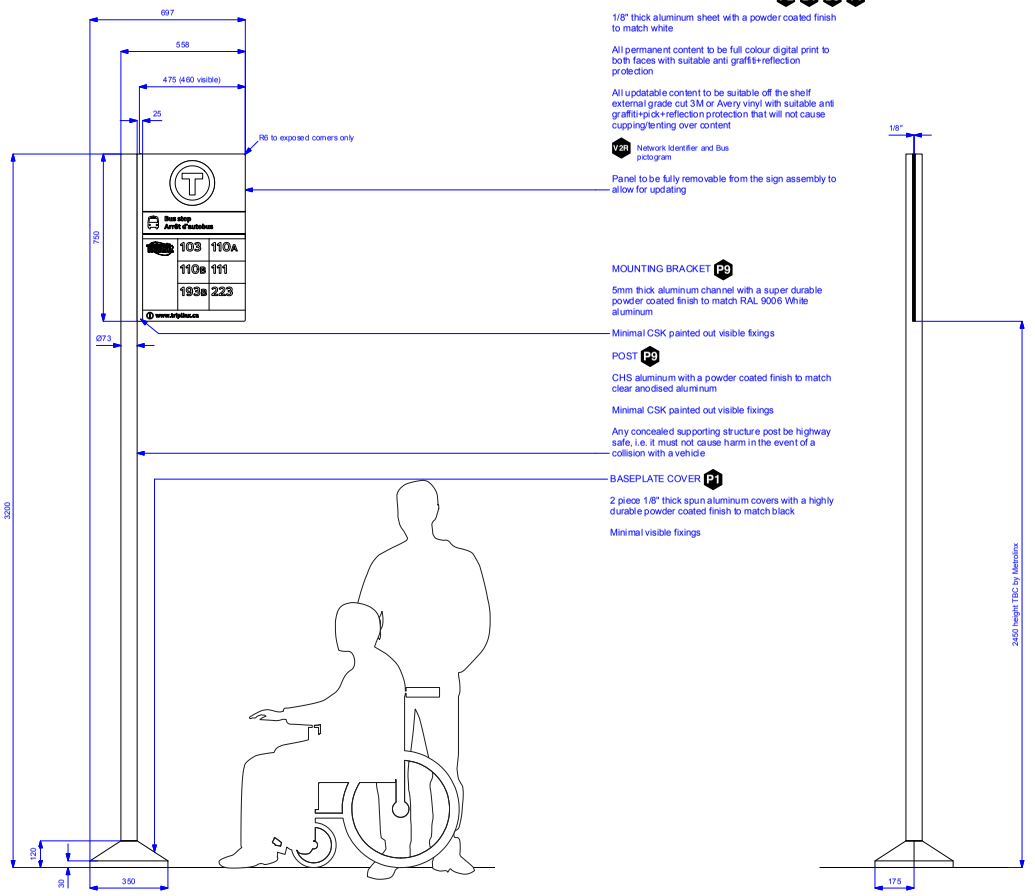
CONTRACT NO.	DWG. NO.	REV.	SHEET
	01.T BU1.1		1 of 1



1 3D



2 Top
Scale: 1:10



3 Front
Scale: 1:10

GRAPHIC PANEL - BUS STOP FLAG P2 D1 D3 V1

1/8" thick aluminum sheet with a powder coated finish to match white

All permanent content to be full colour digital print to both faces with suitable anti graffiti+reflection protection

All updatable content to be suitable off the shelf external grade cut 3M or Avery vinyl with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

V2R Network Identifier and Bus pictogram

Panel to be fully removable from the sign assembly to allow for updating

MOUNTING BRACKET P9

5mm thick aluminum channel with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings

POST P9

CHS aluminum with a powder coated finish to match clear anodised aluminum

Minimal CSK painted out visible fixings

Any concealed supporting structure post be highway safe, i.e. it must not cause harm in the event of a collision with a vehicle

BASEPLATE COVER P1

2 piece 1/8" thick spun aluminum covers with a highly durable powder coated finish to match black

Minimal visible fixings

4 Right
Scale: 1:10

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

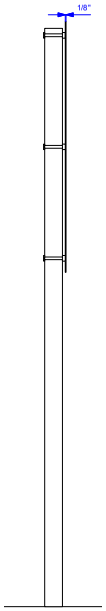
REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE: 31.05.19	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

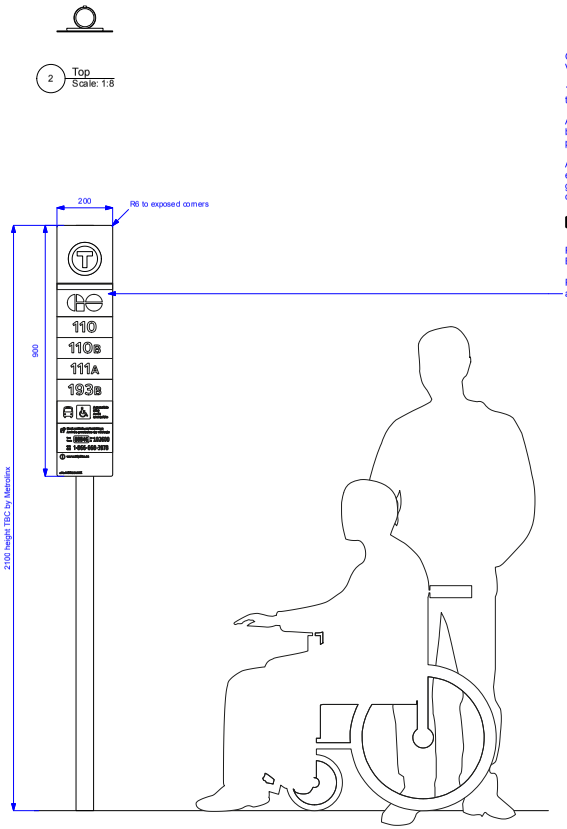
METROLINX

TYPE:	Bus bay / stop signs
LABEL:	BU1.2
NAME:	Bus Stop Flag, Future State
MOUNTING:	Freestanding
ILLUMINATION:	None
CONTRACT NO.	DWG. NO. 02.T BU1.2 / REV. / SHEET 1 of 1

1 3D



3 Left
Scale: 1:8



4 Front
Scale: 1:8

2 Top
Scale: 1:8

GRAPHIC PANEL - BUS STOP FLAG VERTICAL LAYOUT P2 D1 D3 V1

1/8" thick aluminum sheet with a powder coated finish to match white

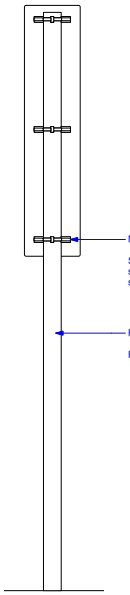
All permanent content to be full colour digital print to both faces with suitable anti graffiti+reflection protection

All updatable content to be suitable off the shelf external grade cut 3M or Avery vinyl with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

V2R Network Identifier and Bus pictogram

Rear face to be powder coated to match PMS Process Black C

Panel to be fully removable from the sign assembly to allow for updating



MOUNTING TO POST

Suitable aluminum mounting bars welded to the rear of the sign panel, attached to the post with suitable stainless steel banding

POST

Existing post for sign to be retro fitted to

5 Rear
Scale: 1:8

GENERAL NOTES

Design intent
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Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

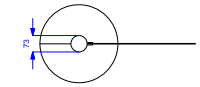
DATE: 31.05.19	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

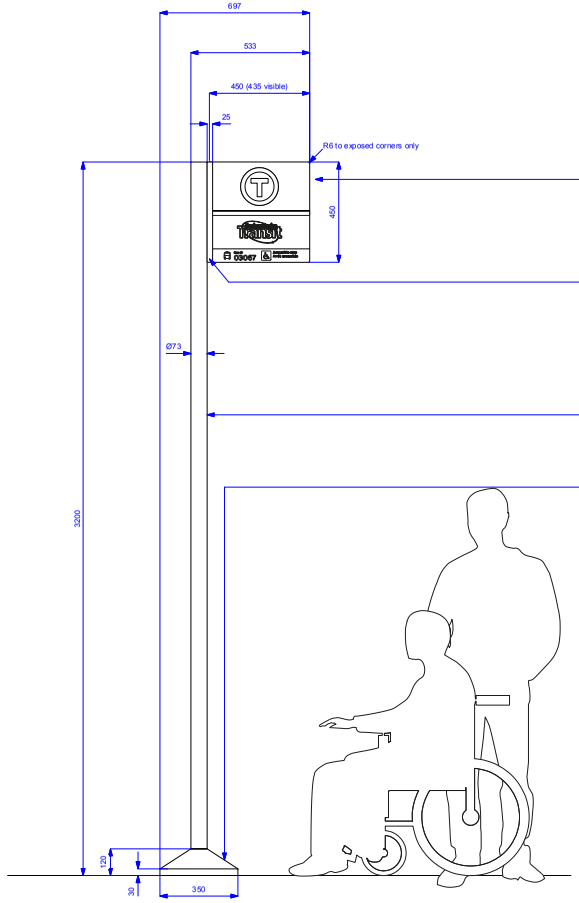
TYPE:	Bus bay / stop signs
LABEL:	BU1.3
NAME:	Bus Stop Flag: Vertical layout, Future State
MOUNTING:	Freestanding
ILLUMINATION:	None

CONTRACT NO.	DWG. NO.	REV.	SHEET
	03.T BU1.3		1 of 1

1 3D



2 Top
Scale: 1:10



3 Front
Scale: 1:10

GRAPHIC PANEL - BUS STOP FLAG: BASIC LAYOUT P2 D1 D3 V1

1/8" thick aluminum sheet with a powder coated finish to match white

All permanent content to be full colour digital print to both faces with suitable anti graffiti+reflection protection

All updatable content to be suitable off the shelf external grade cut 3M or Avery vinyl with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

V2R Network Identifier and Bus pictogram

Panel to be fully removable from the sign assembly to allow for updating

MOUNTING BRACKET P9

5mm thick aluminum channel with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings

POST P9

CHS aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

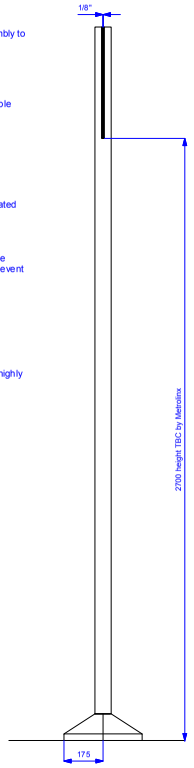
Minimal CSK painted out visible fixings

Any concealed supporting structure post must be highway safe, i.e. it must not cause harm in the event of a collision with a vehicle

BASEPLATE COVER P1

2 piece 1/8" thick spun aluminum covers with a highly durable powder coated finish to match black

Minimal visible fixings



4 Right
Scale: 1:10

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

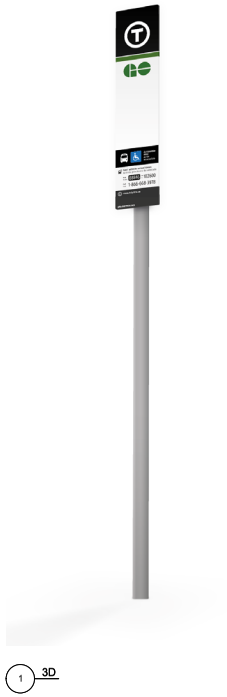
Mounting
Manufacturer to design detail all structural and fixing elements

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE: 31.05.19	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

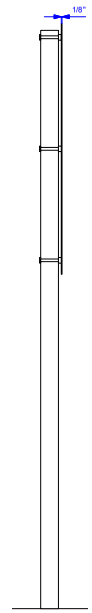
METROLINX

TYPE:	Bus bay / stop signs
LABEL:	BU2.1
NAME:	Bus Stop Flag: Basic Layout, Future State
MOUNTING:	Freestanding
ILLUMINATION:	None
CONTRACT NO.	DWG. NO. 04.T BU2.1 / REV. / SHEET 1 of 1

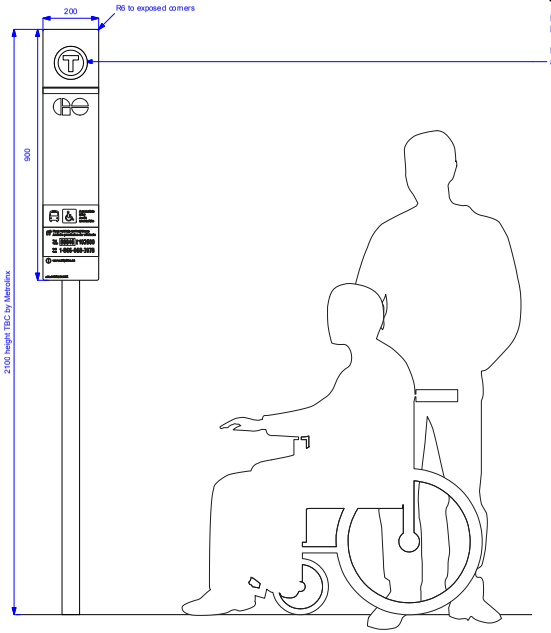


1 3D

2 Top
Scale: 1:8



3 Left
Scale: 1:8



4 Front
Scale: 1:8

GRAPHIC PANEL - BUS STOP FLAG
VERTICAL LAYOUT
P2 D1 D3 V1

1/8" thick aluminum sheet with a powder coated finish to match white

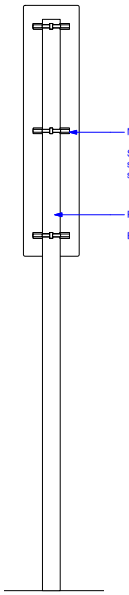
All permanent content to be full colour digital print to both faces with suitable anti graffiti+reflection protection

All updatable content to be suitable off the shelf external grade cut 3M or Avery vinyl to match black, white and Pantone 285C with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

V2R Network Identifier and Bus pictogram

Rear face to be powder coated to match PMS Process Black C

Panel to be fully removable from the sign assembly to allow for updating



MOUNTING TO POST

Suitable aluminum mounting bars welded to the rear of the sign panel, attached to the post with suitable stainless steel banding

POST

Existing post for sign to be retro fitted to

5 Rear
Scale: 1:8

GENERAL NOTES

Design intent
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Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

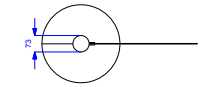
DATE: 31.05.19	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

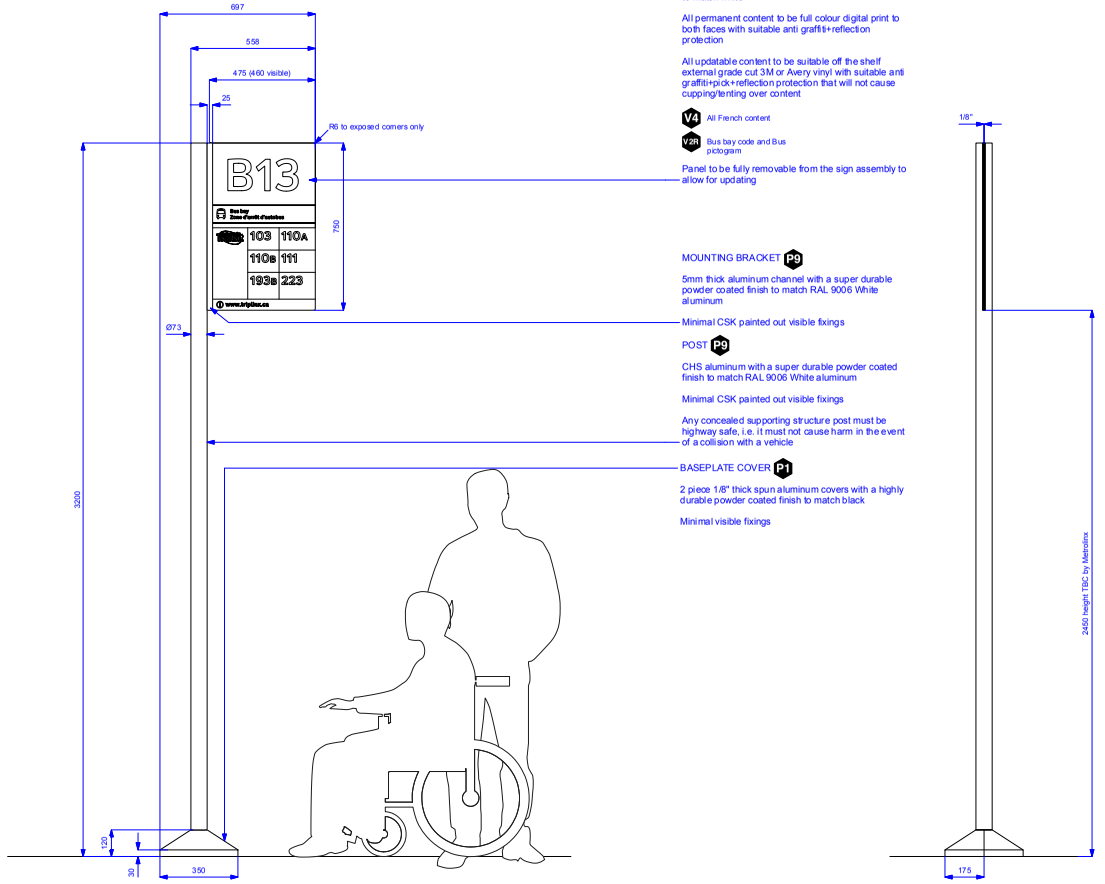
TYPE:	Bus bay / stop signs
LABEL:	BU2.2
NAME:	Bus Stop Flag: Basic vertical layout, Future State
MOUNTING:	Freestanding
ILLUMINATION:	None

CONTRACT NO.	DWG. NO.	REV.	SHEET
	05.T BU2.2		1 of 1

1 3D



2 Top
Scale: 1:10



3 Front
Scale: 1:10

4 Right
Scale: 1:10

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Size variants
BUS STOP FLAG could be taller in some instances to accommodate larger amounts of information. Overall height of stop should remain. Bus flag should always retain head clearance of at least 2100mm

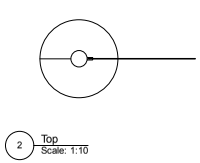
REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE: 20.12.18	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

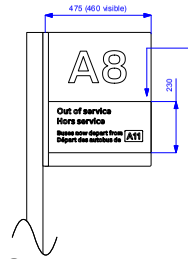
METROLINX

TYPE:	Bus bay / stop signs
LABEL:	BU3.1
NAME:	Bus Bay Flag
MOUNTING:	Freestanding
ILLUMINATION:	None
CONTRACT NO.	DWG. NO. 06.BU3.1 / REV. / SHEET 1 of 1

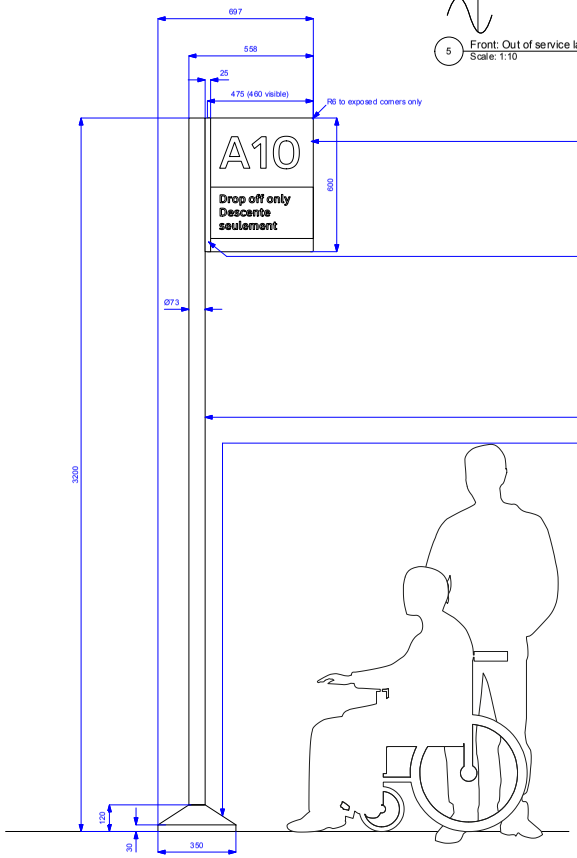
1 3D



2 Top
Scale: 1:10



5 Front: Out of service layout
Scale: 1:10



3 Front
Scale: 1:10

GRAPHIC PANEL - OUT OF SERVICE

Full colour removable grade self adhesive digital print patch to both faces with suitable anti graffiti+reflection protection

Panel to be fully removable from the sign assembly to allow for updating

GRAPHIC PANEL - BUS STOP FLAG: P2 D1 D3 V1
BASIC LAYOUT

1/8" thick aluminum sheet with a powder coated finish to match white

All permanent content to be full colour digital print to both faces with suitable anti graffiti+reflection protection

All updatable content to be suitable off the shelf external grade cut 3M or Avery vinyl with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

V4 All French content

V2R Bus bay code

Panel to be fully removable from the sign assembly to allow for updating

MOUNTING BRACKET P9

5mm thick aluminum channel with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings

POST P9

CHS aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings

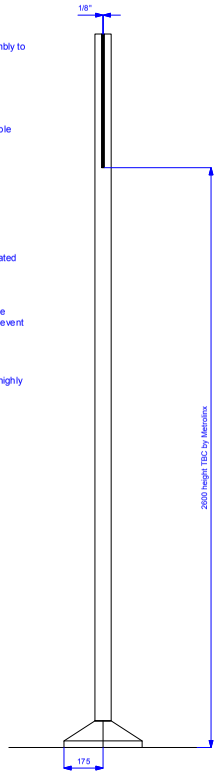
Any concealed supporting structure post must be highway safe, i.e. it must not cause harm in the event of a collision with a vehicle

BASEPLATE COVER P1

2 piece 1/8" thick spun aluminum covers with a highly durable powder coated finish to match black

Minimal visible fixings

6 3D: Out of service layout



4 Right
Scale: 1:10

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Size variants
BUS STOP FLAG could be taller in some instances to accommodate larger amounts of information. Overall height of stop should remain. Bus flag should always retain head clearance of at least 2100mm

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE: 20.12.18	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

TYPE:	Bus bay / stop signs
LABEL:	BU3.2
NAME:	Bus Bay Flag: Basic layout
MOUNTING:	Freestanding
ILLUMINATION:	None

CONTRACT NO.	DWG. NO.	REV.	SHEET
	07.BU3.2		1 of 1

3.4.21 Bus Schedule Panel

Relevant sign types
BU5.1
BU5.2
BU.7

Overall sign dimensions
Please refer to design intent construction drawing(s) and standard sizes for size variants.

Description
Small postercases attached to posts below flags and a graphic alternative to this.

Materials and construction
Refer to design intent construction drawing(s).

Power, lighting and data
Power and wireless data connections required to BU7 sign type.

Finishes
Refer to design intent construction drawing(s).

Colours
Refer to design intent construction drawing(s).

Installation
Please refer to Section 4.0 Mounting Guides.

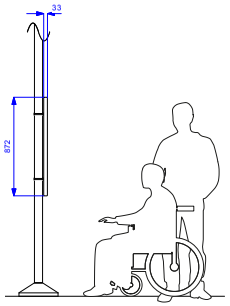
Design intent construction drawing(s)
08.BU5.1 BU5.2
11.BU7

Signage for bus facilities development status
Note: Signs designed for bus facilities, including Bus Flag, Bus Schedule Panel, Bus Stop Guide and Bus Interior Bus Bay ID designs are under development. Designs will be further refined to meet the specific requirements of transit operators.

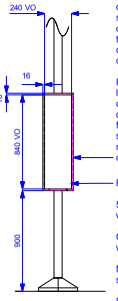
Single panel: 1 no. poster case

1 3D: SIngle panel

2 Top
Scale: 1:20



3 Left
Scale: 1:20



4 Front
Scale: 1:20

POSTER CASES P9
Case: aluminum with a super durable powder coated finish to match RAL 9006 White aluminum. Case to be top hinged. Glass face to be toughened low iron ultra clear sheet of a minimal thickness of 5mm with suitable anti-reflective film/treatment. Manufacturer to specify a suitable film/method to keep glass together if it is cracked. This film/method must not affect colour and clarity of prints inside

Spray test required on case to ensure it is waterproof

Rear internal face of cases to a powder coated finish to match RAL 9006 White aluminum

Locks: 2 cam locks per poster case, spaced apart to ensure strength against potential prying open. Each lock to not be a PHP type but of a suitable external commercial grade with custom covers

Printed content: dashed magenta line indicates prints, printed content to be installed at a minimal distance from the internal glass face. To be held in place with suitable non-adhesive or non-velcro based fit for purpose clipping method.

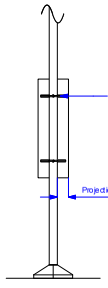
BRAILLE STRIP P1
50 x 240mm 1/16" thick Novacryl panel with raised copy and Braille

Copy to be suitably finished to match white and Medium Gray

Mounted to poster case face with suitable adhesive

Panel face and edges to be painted to match PMS Process Black C

Strip to be fully removable from the sign assembly to allow for updating



5 Rear
Scale: 1:20

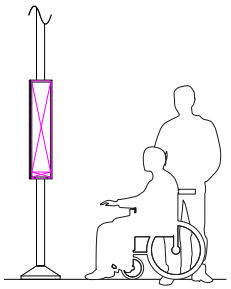
MOUNTING TO POST

Suitable aluminum mounting bars welded to the rear of the sign panel, attached to the post with suitable stainless steel banding

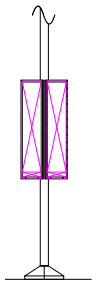
Projection maximum = 100

Double panel: 2 no. poster cases

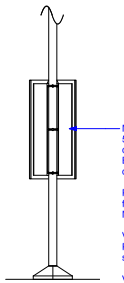
6 Top
Scale: 1:20



7 Left
Scale: 1:20



8 Front
Scale: 1:20



9 Rear
Scale: 1:20

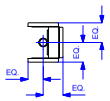
MOUNTING PANEL P1
5mm thick aluminum with a powder coated finish to match PMS Process Black C, all corners to be welded and dressed back

POSTER CASES to be mechanically fixed with no visible fixings to MOUNTING PANEL

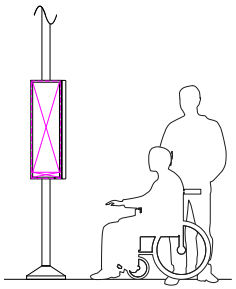
Void between top of MOUNTING PANEL and POST to be capped with a sloping panel to prevent litter build up

Void between bottom of MOUNTING PANEL and POST to be capped with panel at top to avoid creating a concealed space

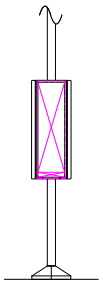
Triple panel: 3 no. poster cases



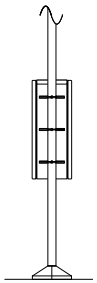
10 Top
Scale: 1:20



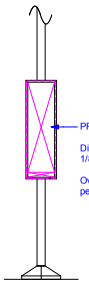
11 Left
Scale: 1:20



12 Front
Scale: 1:20



13 Rear
Scale: 1:20



14 Front: Service Disruption Panel
Scale: 1:20

PRINT

Direct to media, full colour, UV stable print to 1/8" white foam board

Overall size = VO + apx. 11mm bleed to perimeter

15 3D: Disruption panel

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

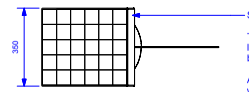
REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE: 31.05.19	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

TYPE:	Bus bay / stop signs
LABEL:	BU5.1 & BU5.2
NAME:	Bus Schedule & Service Disruption Panels, Future State
MOUNTING:	Freestanding
ILLUMINATION:	None
CONTRACT NO.	DWG. NO. 08.T BU5.1 BU5.2 / REV. / SHEET 1 of 1

1 3D



SOLAR PANEL P9

To power the eInk display a suitable solar panel like the Single Solar Power Kit (20W) supplied by Papercast is required

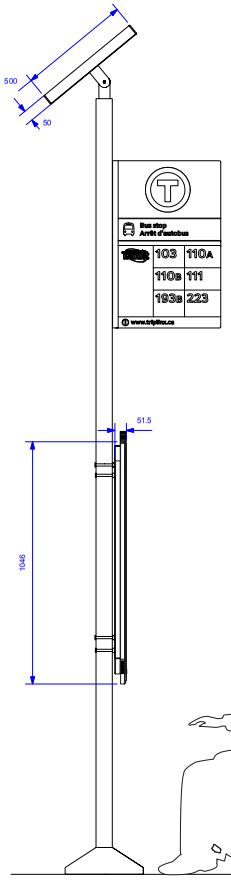
An secure attachment method like that shown which allows the unit to both rotate and tilt the panel is required, to obtain maximum exposure to the sun

The aluminum enclosure is to have a super durable powder coated finish to match RAL 9006 White aluminum

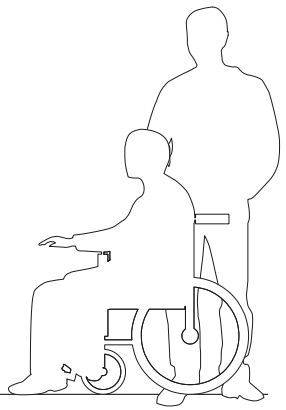
Indicative dimensions shown

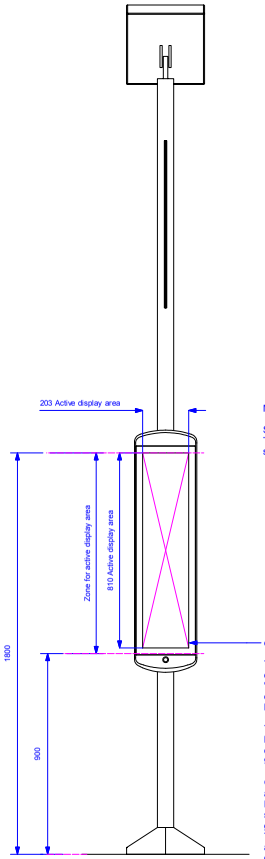
All wiring to be concealed within sign structure

2 Top
Scale: 1:10



3 Left
Scale: 1:10





4 Front
Scale: 1:10

MOUNTING TO POST

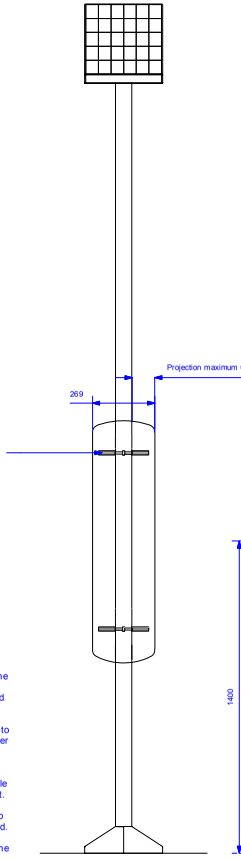
Suitable secure method TBD by eInk display supplier

eInk DISPLAY P9

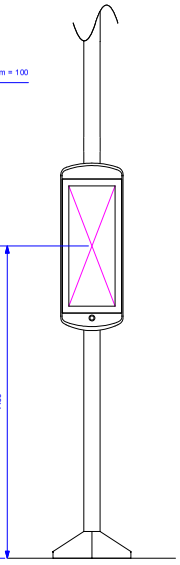
To be a greyscale eInk type display similar or same to the "Triple 13.3" stand-alone e-paper display" as supplied by Papercast

The aluminum enclosure is to have a super durable powder coated finish to match RAL 9006 White aluminum

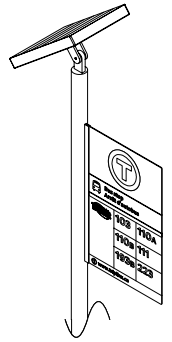
Glass face to have a suitable anti-reflective film/treatment. Manufacturer to specify a suitable film/method to keep glass together if it is cracked. This film/method must not affect colour and clarity of the displayed content



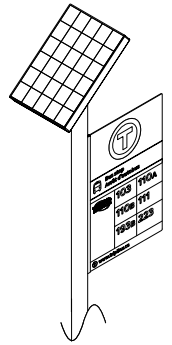
5 Rear
Scale: 1:10



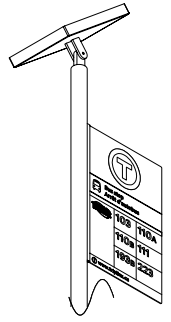
6 Front: Ideal mounting height for smaller displays
Scale: 1:10



7 Isometric 1



8 Isometric 2



9 Isometric 3

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE:	DRAWN BY:
31.05.19	JH
CHECKED BY:	APPROVED BY:
RC	
SCALE:	
VARIES @ ARCH D	

METROLINX

TYPE:	Bus bay / stop signs
LABEL:	BU7
NAME:	Bus Schedule - eInk, Future State
MOUNTING:	Freestanding
ILLUMINATION:	None

CONTRACT NO.	DWG. NO.	REV.	SHEET
	11.T BU7		1 of 1

3.4.22 Bus Stop Guide

Relevant sign types
BU6

Overall sign dimensions
Refer to design intent construction drawing(s).

Description
Small post mounted graphic.

Materials and construction
Refer to design intent construction drawing(s).

Power, lighting and data
n/a

Finishes
Refer to design intent construction drawing(s).

Colours
Refer to design intent construction drawing(s).

Installation
Please refer to Section 4.0 Mounting Guides.

Design intent construction drawing(s)
09.BU6

Signage for bus facilities development status
Note: Signs designed for bus facilities, including Bus Flag, Bus Schedule Panel, Bus Stop Guide and Bus Interior Bus Bay ID designs are under development. Designs will be further refined to meet the specific requirements of transit operators.

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

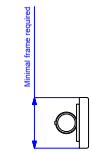
Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

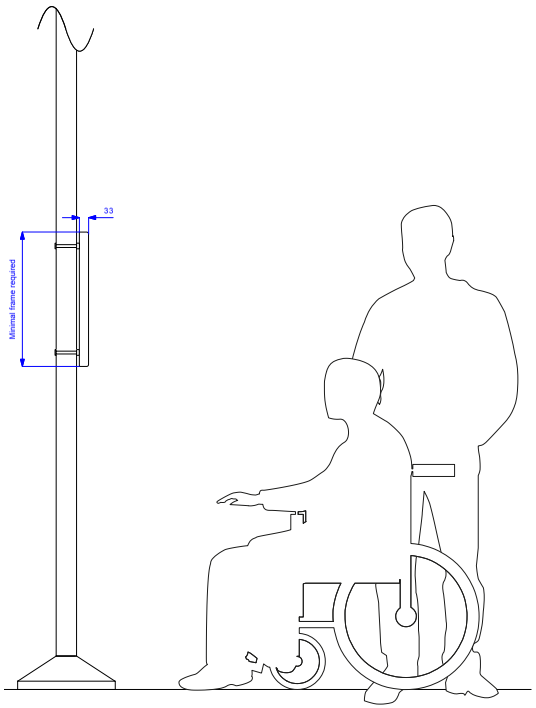
Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

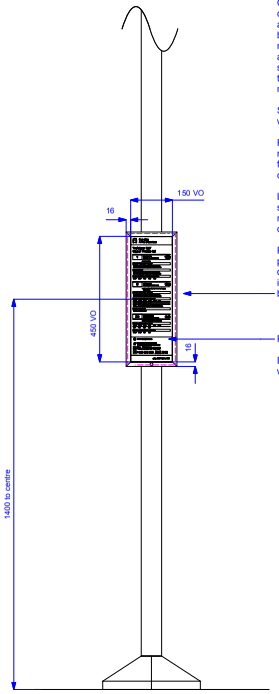
1 3D



2 Top
Scale: 1:8



3 Front
Scale: 1:8



POSTER CASES P9

Case: aluminum with a super durable powder coated finish to match RAL 9006 White aluminum. Case to be top hinged. Glass face to be toughened low iron ultra clear sheet of a minimal thickness of 5mm with suitable anti-reflective film/treatment. Manufacturer to specify a suitable film/method to keep glass together if it is cracked. This film/method must not affect colour and clarity of prints inside

Spray test required on case to ensure it is waterproof

Rear internal face of cases to have suitable magnetic backing boards with a powder coated finish to match a powder coated finish to match clear anodised aluminum

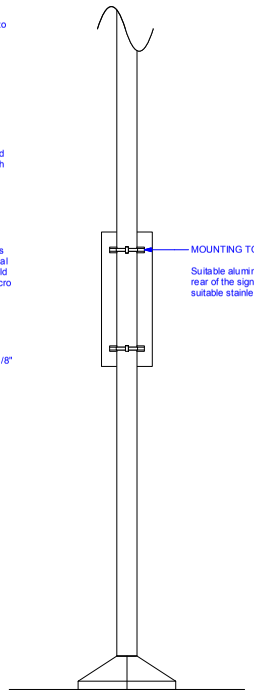
Locks: 1 cam lock per poster case, to ensure strength against potential prying open. Lock to not be a PHP type but of a suitable external commercial grade with custom covers

Printed content: dashed magenta line indicates print, printed content to be installed at a minimal distance from the internal glass face. To be held in place with suitable non-adhesive or non-velcro based fit for purpose clipping method

PRINT

Direct to media, full colour, UV stable print to 1/8" white foam board

4 Front
Scale: 1:8



MOUNTING TO POST

Suitable aluminum mounting bars welded to the rear of the sign panel, attached to the post with suitable stainless steel banding

5 Rear
Scale: 1:8

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE:	DRAWN BY:
20.12.18	JH
CHECKED BY:	APPROVED BY:
RC	
SCALE:	
VARIES @ ARCH D	

METROLINX

TYPE:	Bus bay / stop signs
LABEL:	BU6
NAME:	Bus Stop Guide
MOUNTING:	Freestanding
ILLUMINATION:	None

CONTRACT NO.	DWG. NO.	REV.	SHEET
	09.BU6		1 of 1

3.4.23 Bus Interior Bus Bay ID

Relevant sign types
BU4

Overall sign dimensions
Please refer to design intent construction drawing(s) and standard sizes for size variants.

Description
Simple panel sign showing bus routes at terminal.

Materials and construction
Refer to design intent construction drawing(s).

Power, lighting and data
n/a

Finishes
Refer to design intent construction drawing(s).

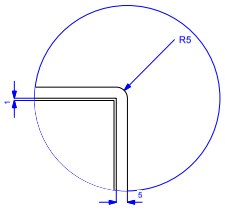
Colours
Refer to design intent construction drawing(s).

Installation
Please refer to Section 4.0 Mounting Guides.

Design intent construction drawing(s)
10.BU4

Signage for bus facilities development status
Note: Signs designed for bus facilities, including Bus Flag, Bus Schedule Panel, Bus Stop Guide and Bus Interior Bus Bay ID designs are under development. Designs will be further refined to meet the specific requirements of transit operators.

1 3D



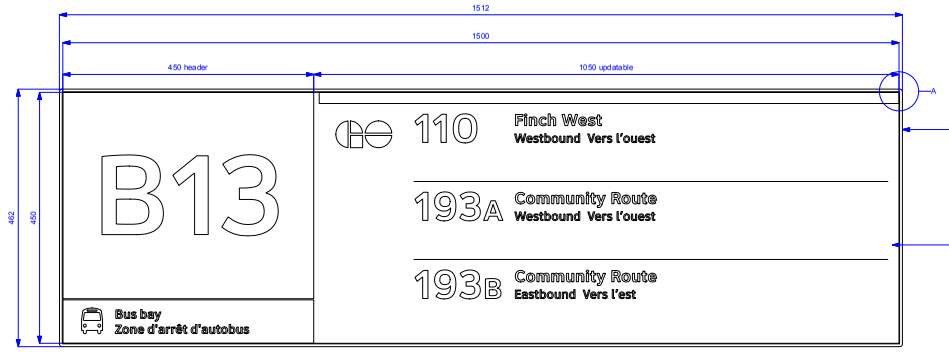
5 Detail A: Frame
Scale: Actual Size

2 Top
Scale: 1:4

MOUNTING

Manufacturer to detail mounting method; no visible fixings and all wall fixings to suit mounting surface

3 Left
Scale: 1:4



4 Front
Scale: 1:4

FRAME P9

5mm thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings

GRAPHIC PANEL - INTERIOR BUS BAY ID P1 V2 V3

Panel to be folded 1/8 inch thick aluminum with a powder coated finish to match PMS Process Black C, all corners to be welded and dressed back

Header - content to be suitable off the shelf external grade cut 3M or Avery vinyl graphics to match white, black, and Medium Gray with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

Updatable - to be suitable external grade anti UV removable digital print with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

Panel to be fully removable from the sign assembly to allow for updating

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE: 20.12.18	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

TYPE:	Bus bay / stop signs
LABEL:	BU4
NAME:	Interior Bus Bay ID
MOUNTING:	Wall mounted
ILLUMINATION:	None

CONTRACT NO.	DWG. NO.	REV.	SHEET
	10.BU4		1 of 1

3.4.24 Digital Screen: Freestanding

Relevant sign types
DS1, DS4

Overall sign dimensions (mm)*
Refer to design intent construction drawing(s).

*Excludes all parts below finished floor level

Description
Freestanding single sided digital screen with header panel.

Materials and construction
Refer to design intent construction drawing(s).

Power, lighting and data
Power and data supplies required for sign, both to be concealed within sign structure.

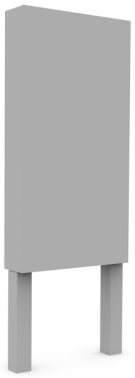
Finishes
Refer to design intent construction drawing(s).

Colours
Refer to design intent construction drawing(s).

Installation
Please refer to Section 4.0 Mounting Guides.

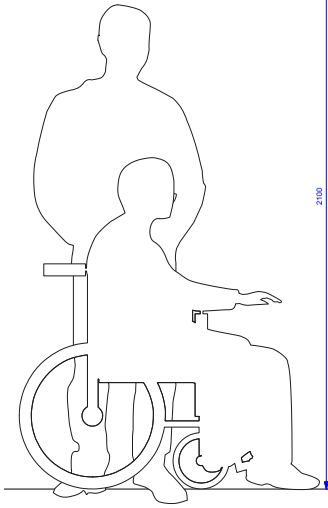
Design intent construction drawing(s)
01.FSDP DS1
07.FSDP DS4

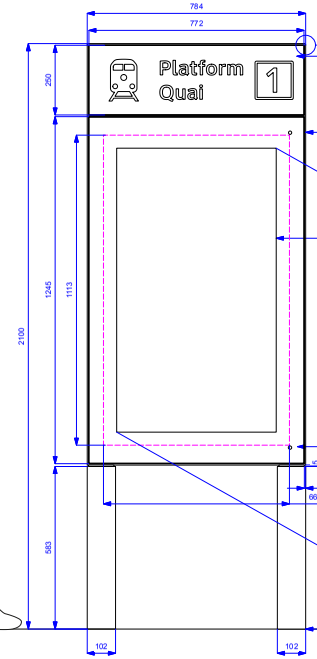
1 3D Front



2 3D Rear

3 Top
Scale: 1:8





4 Front
Scale: 1:8

GRAPHIC PANEL P1 V2 V3

Panel to be folded 1/8 inch thick aluminum with a powder coated finish to match PMS Process Black C, all corners to be welded and dressed back

If graphic is required then it is to be suitable off the shelf external grade cut 3M or Avery vinyl graphics to match white and Medium Gray with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

Panel to be fully removable from the sign assembly to allow for updating

FRAME & LEGS P9

5mm thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings

Legs to have a 5mm radius applied to edges

SCREEN

An example screen is shown: Luxtronix LX-46 46" Super-Bright Pre-qualified Outdoor LCD Monitor in portrait orientation, mounted flush to rear face of screen door. Prior to design detailing by the manufacturer, Metrolinx are to confirm the specification of the screens to be used.

In situ testing required of the screen prior to the specification of any additional suitable anti glare reduction i.e. film or etch. Content including colours not to be compromised by any additional glare reduction

Please also refer to SPECIAL NOTES on this page

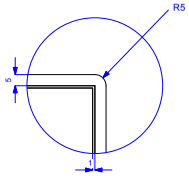
SCREEN DOOR AND LOCKS P1

Door - 5mm thick aluminum with a powder coated finish to match PMS Process Black C, key apertures to locks and concealed external grade hinges

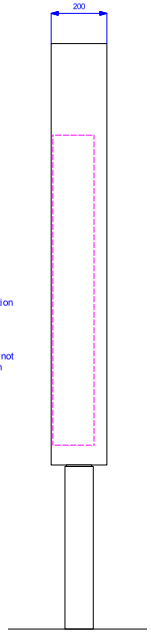
Locks - 2 no. suitable external grade tamper proof keyed cam locks per door with lock covers. To be spaced apart to ensure strength against potential prying open

MOUNTING

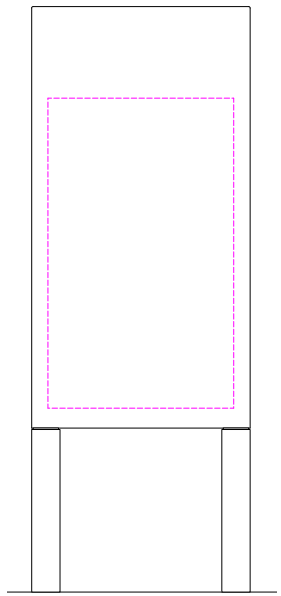
See freestanding signs mounting guide



5 Detail A
Scale: Actual Size



6 Right
Scale: 1:8



7 Rear
Scale: 1:8

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Size variants
Refer to Wayfinding Design Standard for standard sign size variants, an indicative size is shown

Screen
Should a different size screen be used i.e. smaller or larger overall, then the shown overall height and width of sign are to be maintained and screen door aperture adjusted to allow visibility to screen's visual opening

Cabling and hardware
All cabling and hardware to be concealed within armature and frame where possible. Metrolinx to approve if anything needs to be exposed

Ventilation
Manufacturer to detail. Preferably this will be micro or mini perforation on the rear of the sign

Access
Maintenance and access to screen to be user friendly, involving as few members of staff as possible

Contrast elements
Refer to drawing: "01.CON ELE" for details of the contrast elements that must be applied to this sign type

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

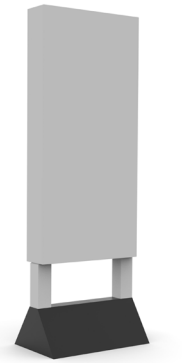
DATE: 30.11.18	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

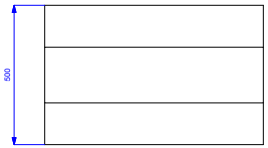
TYPE:	Digital Screen
LABEL:	DS1
NAME:	Freestanding
MOUNTING:	Freestanding - Double Post
ILLUMINATION:	None

CONTRACT NO.	DWG. NO.	REV.	SHEET
	01.FSDP.DS1		1 of 1

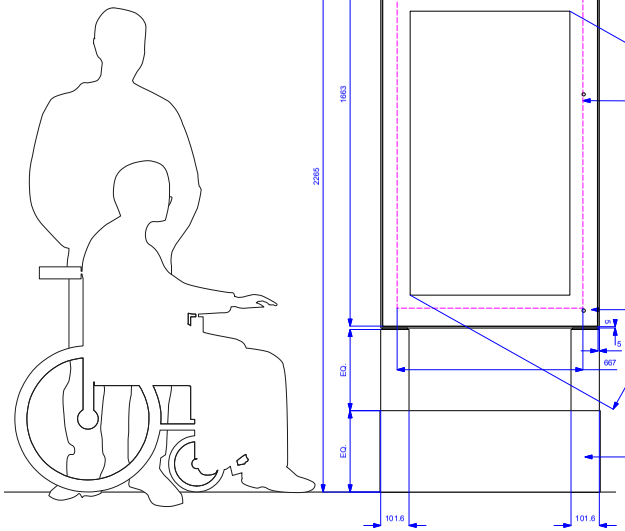
1 3D Front



2 3D Rear



3 Top
Scale: 1:8



4 Front
Scale: 1:8

UPPER SCREEN

A circa 27" suitable outdoor LCD monitor in portrait orientation, mounted flush to rear face of screen door. Screen door aperture to be undersized in comparison to the screen to achieve the shown VO. Prior to design detailing by the manufacturer, Metrolinx are to confirm the specification of the screens to be used

In situ testing required of the screen prior to the specification of any additional suitable anti glare reduction e.g. film or etch. Content including colours not to be compromised by any additional glare reduction

Please also refer to SPECIAL NOTES on this page

FRAME & LEGS P9

5mm thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings

Legs to have a 5mm radius applied to edges

LOWER SCREEN

An example screen is shown: Luxtronix LX-46 46" Super-Bright Pre-qualified Outdoor LCD Monitor in portrait orientation, mounted flush to rear face of screen door. Prior to design detailing by the manufacturer, Metrolinx are to confirm the specification of the screens to be used.

In situ testing required of the screen prior to the specification of any additional suitable anti glare reduction i.e. film or etch. Content including colours not to be compromised by any additional glare reduction

Please also refer to SPECIAL NOTES on this page

SCREEN DOOR AND LOCKS P1

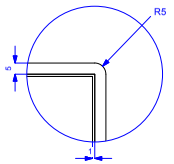
Door - 5mm thick aluminum with a powder coated finish to match PMS Process Black C, key apertures to locks and concealed external grade hinges

Locks - 3 no. suitable external grade tamper proof keyed cam locks per door with lock covers. To be spaced apart to ensure strength against potential prying open

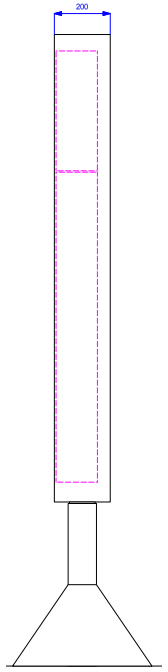
BASE P1

1/8 inch thick aluminum with a powder coated finish to match PMS Process Black C

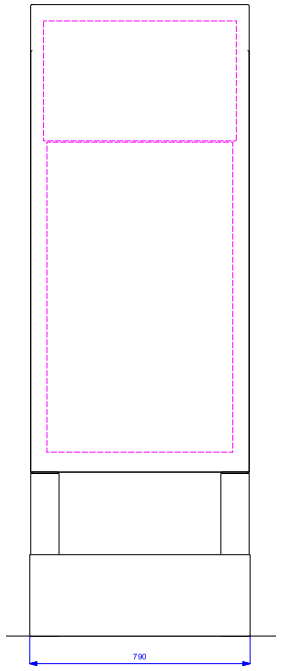
To include suitable concealed wheels, brakes and ballast. Subject to manufacturer detailing and structural calculations



5 Detail A
Scale: Actual Size



6 Right
Scale: 1:8



7 Rear
Scale: 1:8

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Size variants
Refer to Wayfinding Design Standard for standard sign size variants, an indicative size is shown

Screens
Should different size screens be used i.e. smaller or larger overall, then the shown overall height and width of sign are to be maintained and screen door apertures adjusted to allow visibility of the screens visual openings

Cabling and hardware
All cabling and hardware to be concealed within sign. Metrolinx to approve if anything needs to be exposed. Power to be supplied via permanent concealed floor power points within station floor

Ventilation
Manufacturer to detail. Preferably this will be micro or mini perforation on the rear of the sign

Access
Maintenance and access to screen to be user friendly, involving as few members of staff as possible

Contrast elements
Refer to drawing: "01.CON ELE" for details of the contrast elements that must be applied to this sign type

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE: 18.03.18	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

TYPE:	Digital Screen
LABEL:	DS4
NAME:	Freestanding
MOUNTING:	Freestanding - Double Post, Portable
ILLUMINATION:	None

CONTRACT NO.	DWG. NO.	REV.	SHEET
	07.FSDP.DS4		1 of 1

3.4.25 Digital Screen: Suspended

Relevant sign types
DS2.1
DS2.2

Overall sign dimensions (mm)*
DS2.1 (single sided)

D 590
W 731
H varies; dependent upon site specific mounting height

DS2.2 (double sided)

D 1426
W 731
H varies; dependent upon site specific mounting height

*Excludes all parts below finished floor level

Description
Suspended single and double sided screens.

Materials and construction
Refer to design intent construction drawing(s).

Power, lighting and data
Power and data supplies required for sign, both to be concealed within sign structure.

Finishes
Refer to design intent construction drawing(s).

Colours
Refer to design intent construction drawing(s).

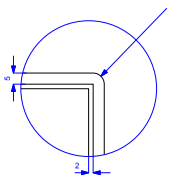
Installation
Please refer to Section 4.0 Mounting Guides.

Design intent construction drawing(s)
01.SUS DS2.1 DS2.2

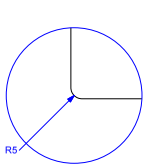
Single Sided

1 3D

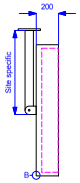
3 Top (square on)
Scale: 1:20



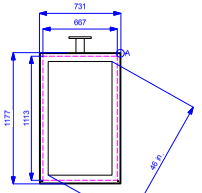
15 Detail A
Scale: Actual Size



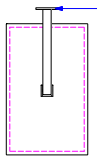
16 Detail B
Scale: Actual Size



4 Left (square on)
Scale: 1:20



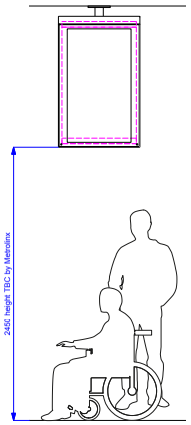
5 Front (square on)
Scale: 1:20



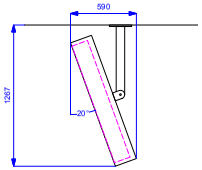
MOUNTING

Manufacturer to develop system wide approach. All fixings to be painted out to match armature

6 Rear (square on)
Scale: 1:20



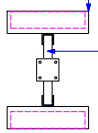
11 Front (installed)
Scale: 1:20



12 Right (installed)
Scale: 1:20

Double Sided

2 3D



7 Top (square on)
Scale: 1:20

FRAME P8

5mm thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

ARMATURE P8

SHS aluminum of suitable overall section fully welded and dressed back to a mounting plate of suitable thickness, all with a super durable powder coated finish to match RAL 9006 White aluminum

Length to be site specific to achieve the shown ground clearance of 2300mm when screen tilt = 20°. Shown ground clearance of 2300mm to be maintained even if tilt angle differs from 20°. Manufacturer to detail tilting parts.

SCREEN

An example screen is shown: Luxtronix LX-46 46" Super-Bright Pre-qualified Outdoor LCD Monitor in portrait orientation, mounted flush to rear face of screen door. Prior to design detailing by the manufacturer, Metrolinx are to confirm the specification of the screens to be used

In situ testing required of the screen prior to the specification of any additional suitable anti glare reduction i.e. film or etch. Content including colours not to be compromised by any additional glare reduction

20° tilt towards user is shown but ability to adjust is required. Maximum recommended tilt = 30°

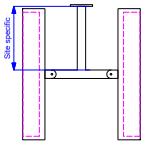
Please also refer to SPECIAL NOTES on this page

SCREEN DOOR AND LOCK P1

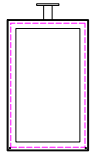
Door - 5mm thick aluminum with a powder coated finish to match PMS Process Black C, concealed external grade top hinges and suitable support arms to hold door opening during access, key apertures to locks

Screen aperture to match screen's display area

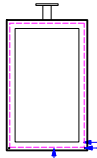
Locks - 2 no. suitable external grade tamper proof keyed cam locks per door with lock covers. To be spaced apart to ensure strength against potential prying open



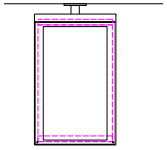
8 Left (square on)
Scale: 1:20



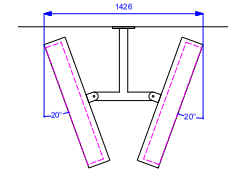
9 Front (square on)
Scale: 1:20



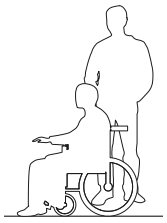
10 Rear (square on)
Scale: 1:20



13 Front (installed)
Scale: 1:20



14 Right (installed)
Scale: 1:20



GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Size variants
Refer to Wayfinding Design Standard for standard sign size variants, an indicative size is shown

Screen
Should a different size screen be used e.g. smaller or larger overall, then the shown overall height and width of sign are to be maintained and screen door aperture adjusted to allow visibility to screen's visual opening

Cabling and hardware
All cabling and hardware to be concealed within armature and frame where possible. Metrolinx to approve if anything needs to be exposed

Radii
Frame to screen to have Radii applied to edge joints at a suggested radius of 5mm to match the sheet thickness that this part is made from

Floor clearance
The shown safe floor clearance is TBC by Metrolinx but must be maintained even if the installed tilt differs from the recommended 20°

Ventilation
Manufacturer to detail. Preferably this will be micro or mini perforation on the rear of the sign

Access
Maintenance and access to screen to be user friendly, involving as few members of staff as possible

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE: 30.11.18	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

TYPE:	Digital Screen
LABEL:	DS2.1 & DS2.2
NAME:	Suspended: Single and Double Sided
MOUNTING:	Suspended
ILLUMINATION:	None

CONTRACT NO.	DWG. NO.	REV.	SHEET
	01.SUS DS2.1 DS2.2		1 of 1

3.4.26 Digital Screen: Bus Bay

Relevant sign types
DS3

Overall sign dimensions (mm)*
D 590
W 886
H 4393

*Excludes all parts below finished floor level

Description
Freestanding single sided digital screen and Bus Bay ID.

Materials and construction
Refer to design intent construction drawing(s).

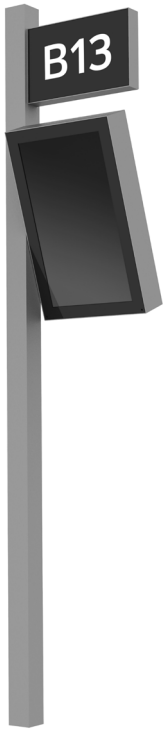
Power, lighting and data
Power and data supplies required for sign, both to be concealed within sign structure.

Finishes
Refer to design intent construction drawing(s).

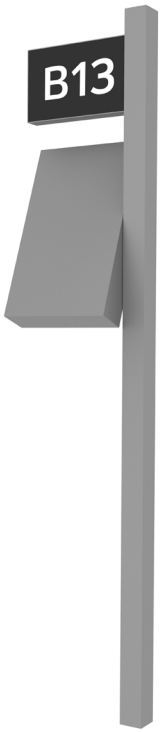
Colours
Refer to design intent construction drawing(s).

Installation
Please refer to Section 4.0 Mounting Guides.

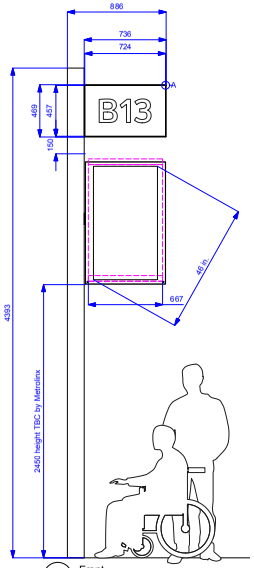
Design intent construction drawing(s)
01.FSSP DS3



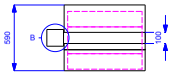
1 3D front



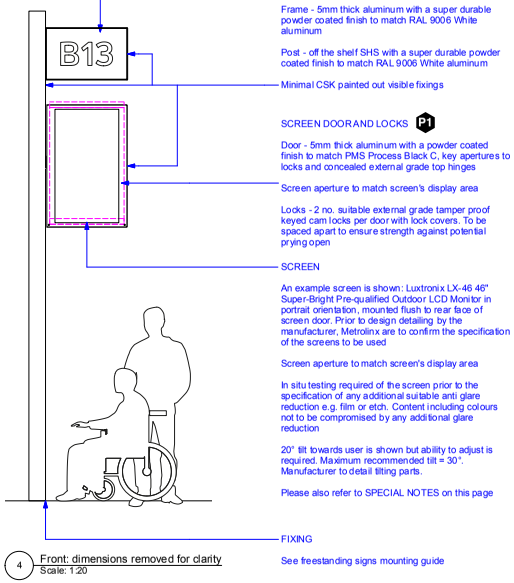
2 3D rear



3 Front
Scale: 1:20



7 Top
Scale: 1:20



GRAPHIC PANEL - BAY NUMBER V1 V2

5mm opal PMMA panel with white LED internally illuminated vinyl graphics, bonded into inside face of bezel, with suitable anti graffiti+pick+reflection protection that will not cause cupping/tenting over content

LED colour temperature = between 5000 and 5700K, subject to Metrolinx approval

Luminance of white sections to be a minimum of 200cd/m sq.

Panel to be fully removable from the sign assembly to allow for updating

FRAME & POST P9

Frame - 5mm thick aluminum with a super durable powder coated finish to match RAL 9006 White aluminum

Post - off the shelf SHS with a super durable powder coated finish to match RAL 9006 White aluminum

Minimal CSK painted out visible fixings

SCREEN DOOR AND LOCKS P1

Door - 5mm thick aluminum with a powder coated finish to match PMS Process Black C, key apertures to locks and concealed external grade top hinges

Screen aperture to match screen's display area

Locks - 2 no. suitable external grade tamper proof keyed cam locks per door with lock covers. To be spaced apart to ensure strength against potential prying open

SCREEN

An example screen is shown: Luxtronix LX-46 46" Super-Bright Pre-qualified Outdoor LCD Monitor in portrait orientation, mounted flush to rear face of screen door. Prior to design detailing by the manufacturer, Metrolinx are to confirm the specification of the screens to be used

Screen aperture to match screen's display area

In situ testing required of the screen prior to the specification of any additional suitable anti glare reduction e.g. film or etch. Content including colours not to be compromised by any additional glare reduction

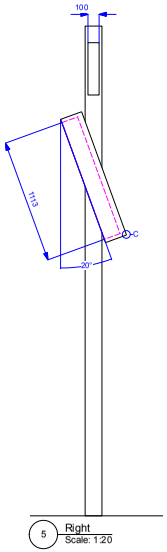
20° tilt towards user is shown but ability to adjust is required. Maximum recommended tilt = 30°. Manufacturer to detail tilting parts.

Please also refer to SPECIAL NOTES on this page

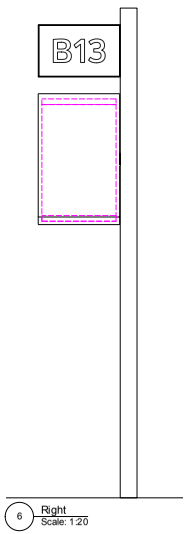
FIXING

See freestanding signs mounting guide

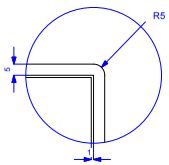
4 Front: dimensions removed for clarity
Scale: 1:20



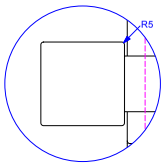
5 Right
Scale: 1:20



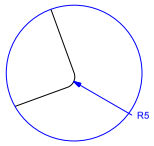
6 Right
Scale: 1:20



8 Detail A
Scale: Actual Size



9 Detail B
Scale: 1:4



10 Detail C
Scale: Actual Size

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Size variants
Refer to Wayfinding Design Standard for standard sign size variants, an indicative size is shown

Screen
Should a different size screen be used i.e. smaller or larger overall, then the shown overall height and width of sign are to be maintained and screen door aperture adjusted to allow visibility to screen's visual opening

Cabling and hardware
All cabling and power supplies to be concealed within sign body. Metrolinx to approve if anything needs to be exposed

Floor clearance
The shown safe floor clearance is TBC by Metrolinx

Ventilation
Manufacturer to detail. Preferably this will be micro or mini perforation on the rear of the sign

Access
Maintenance and access to screen to be user friendly, involving as few members of staff as possible

Contrast elements
Refer to drawing: "01.CON ELE" for details of the contrast elements that must be applied to this sign type

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE:	DRAWN BY:
30.11.18	JH
CHECKED BY:	APPROVED BY:
RC	
SCALE:	
VARIES @ ARCH D	

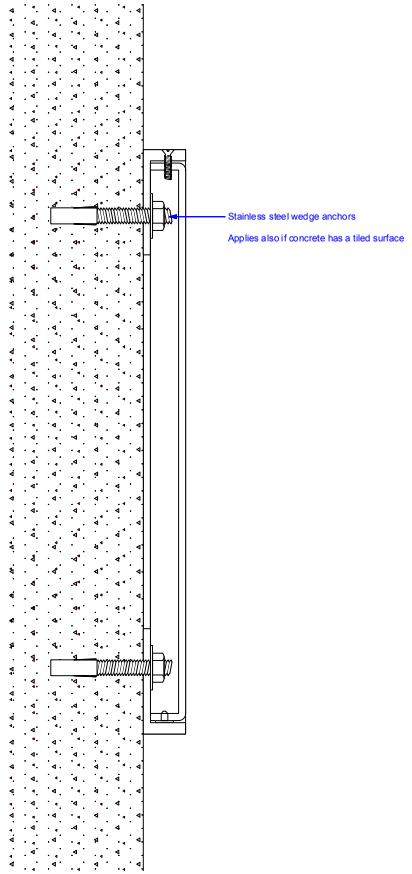
METROLINX

TYPE:	Digital Screen
LABEL:	DS3
NAME:	Bus Bay
MOUNTING:	Freestanding - Single Post
ILLUMINATION:	Illuminated

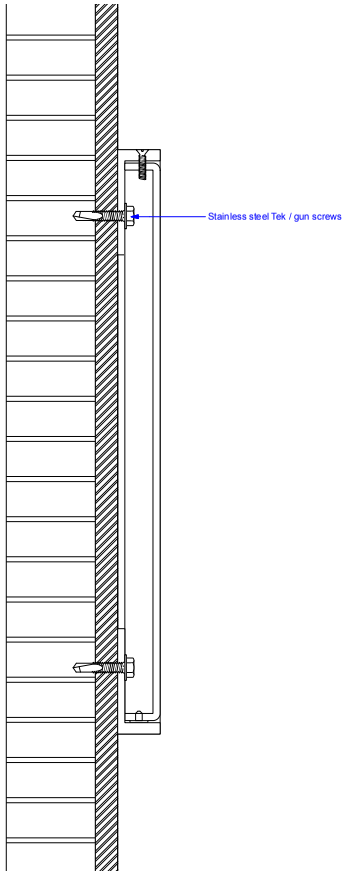
CONTRACT NO.	DWG. NO.	REV.	SHEET
	01.FSSP DS3		1 of 1

4.0 Mounting guide

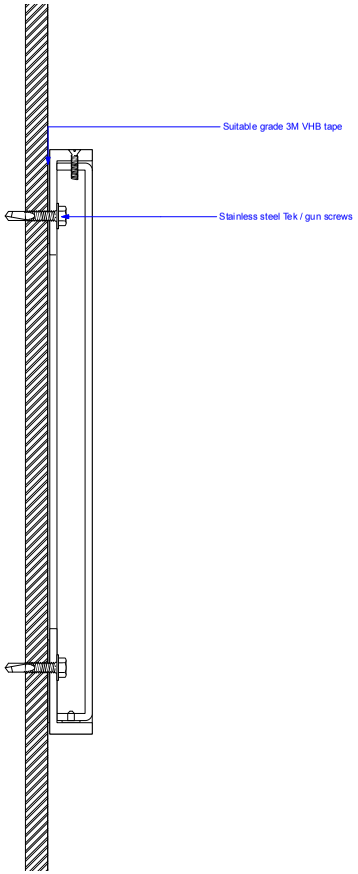
This section provides guidance on standard mounting methods.



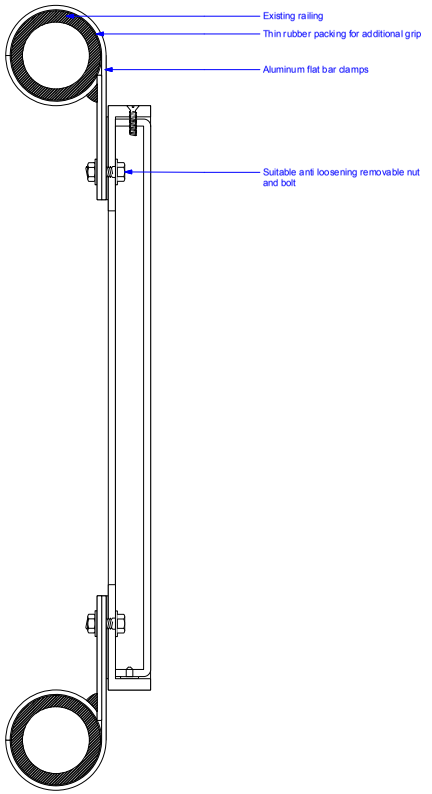
1 Front - Into concrete
Scale: Actual Size



2 Front - Into metal sheet
Scale: Actual Size



3 Front - Into cladding
Scale: Actual Size



4 Front - Onto railings
Scale: Actual Size

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Finish
The details shown are indicative and should be treated as best practice

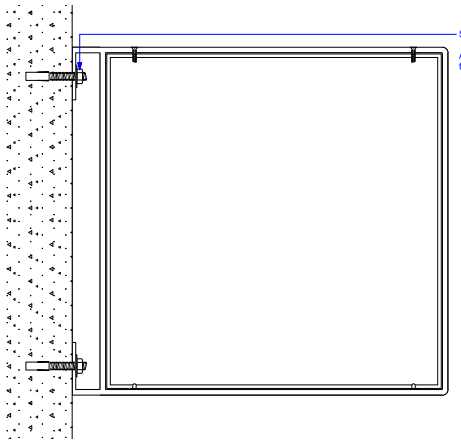
REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE: 30.11.18	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

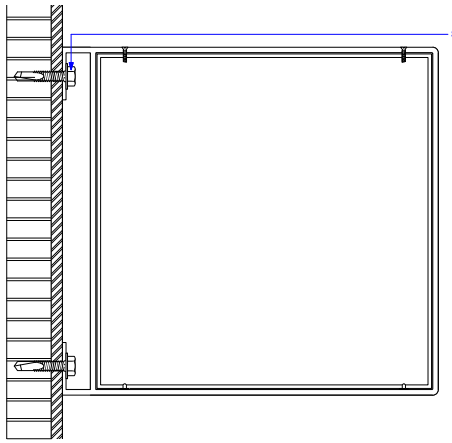
METROLINX

TYPE:	N/A
LABEL:	N/A
NAME:	Mounting Guide
MOUNTING:	Folded pan / Wall mounted
ILLUMINATION:	N/A

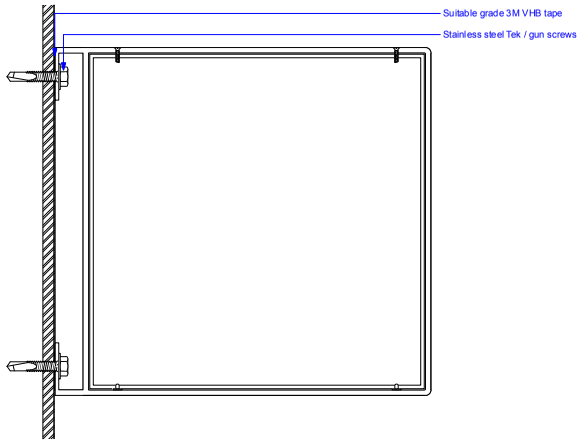
CONTRACT NO.	DWG. NO.	REV.	SHEET
	01.MG FP WM		1 of 1



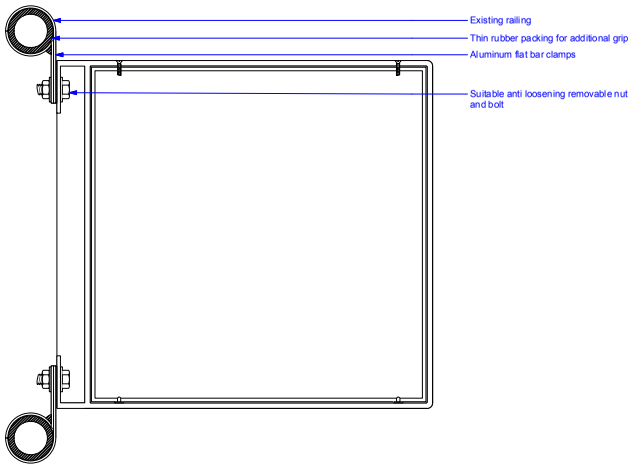
1 Front - Into concrete
Scale: Half Actual Size



2 Front - Into metal sheet
Scale: Half Actual Size



3 Front - Into cladding
Scale: Half Actual Size



4 Front - onto railings
Scale: Half Actual Size

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Finish
The details shown are indicative and should be treated as best practice

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

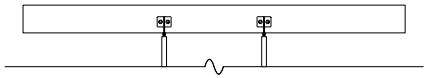
DATE: 30.11.18	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

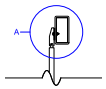
TYPE:	N/A
LABEL:	N/A
NAME:	Mounting Guide
MOUNTING:	Projecting
ILLUMINATION:	N/A

CONTRACT NO.	DWG. NO.	REV.	SHEET
	02.MG PR		1 of 1

For vertical beam attachment

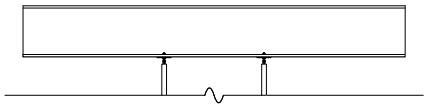


1 Front
Scale: 1:12

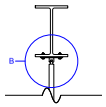


2 Left
Scale: 1:12

For horizontal beam attachment

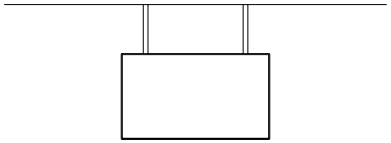


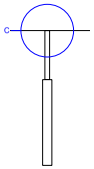
3 Front
Scale: 1:12

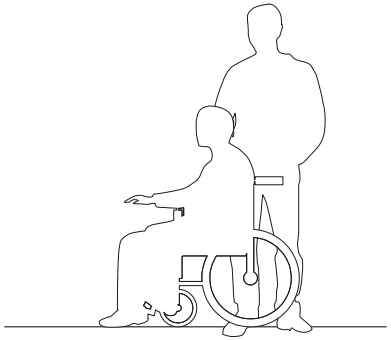


4 Left
Scale: 1:12

For finished flat surface attachment

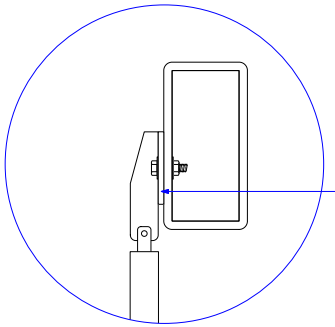






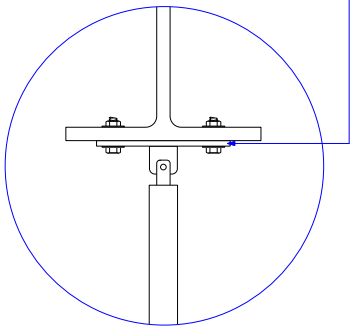
5 Front
Scale: 1:12

6 Left
Scale: 1:12

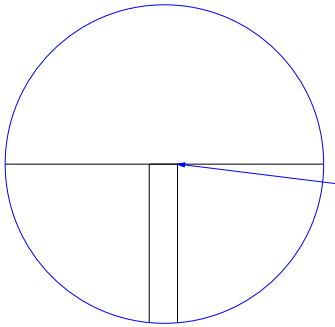


7 Detail A
Scale: Half Actual Size

Fabricated mild steel bracket with a super durable powder coated finish to match the mounting surface, securely and discreetly attached



8 Detail B
Scale: Half Actual Size



Sleeves to butt up squarely to ceiling surface

9 Detail C
Scale: Half Actual Size

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
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Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Finish
The details shown are indicative and should be treated as best practice

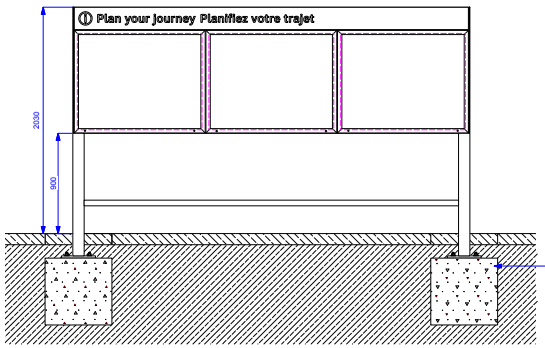
REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE: 20.12.18	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

TYPE:	N/A
LABEL:	N/A
NAME:	Mounting Guide
MOUNTING:	Suspended
ILLUMINATION:	N/A

CONTRACT NO.	DWG. NO.	REV.	SHEET
	04.MG SUS		1 of 1

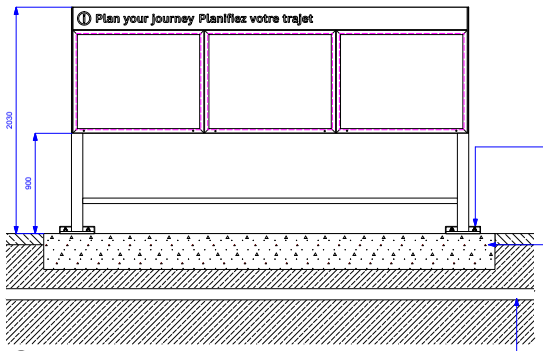


1 Front - concealed foundation
Scale: 1:20

CONCEALED FOUNDATION

This is the preferred installation fixing method for all freestanding signs

All fixing details and foundations are beneath ground level and covered over to create a flush surrounding floor surface



2 Front - raised foundation
Scale: 1:20

BASEPLATE COVER(S) P1

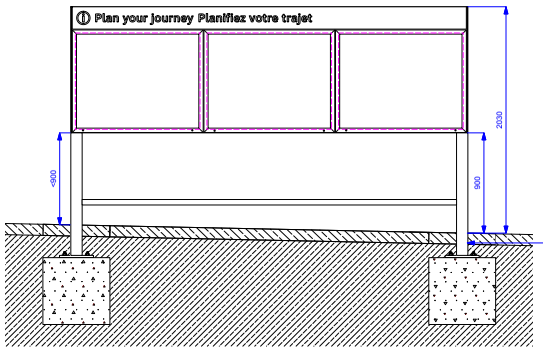
5mm thick aluminum covers with a highly durable powder coated finish to match black

Minimal visible fixings

RAISED FOUNDATION

Should there be existing services present beneath the sign location that result in the foundation being above or level to ground level then covers should be used to conceal all fixing details

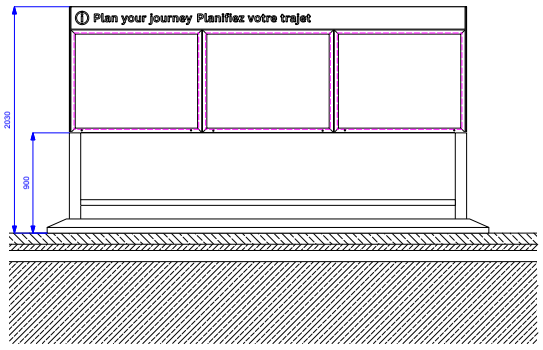
EXISTING SERVICES



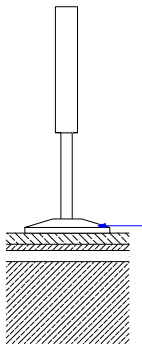
3 Front - sloped floor
Scale: 1:20

SLOPED FLOOR

When the floor is sloped, the leg at the lower part of the slope should be at the fixed 900mm from floor level



4 Front - portable variants
Scale: 1:20



5 Left - portable variants
Scale: 1:20

PORTABLE VARIANT P1

When permanent fixing into the ground is not possible and a portable sign base must be used, then the sign base must project as short a distance as possible from the sign and structurally suitable for the sign's size

All internal parts are to be concealed with the cover plates

5mm thick aluminum covers with a highly durable powder coated finish to match black

Minimal visible fixings

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

Foundations
All shown foundation details are indicative and are to illustrate the principle of various fixing scenarios

The shown principles apply to all freestanding signage elements

Clearance
Any specified clearance distances between sign undersides and floor level should be maintained despite which foundation method is used

Finish
The details shown are indicative and should be treated as best practice

Wedge anchors
The use of wedge achors to hold freestanding signs in place is recommended where suitable

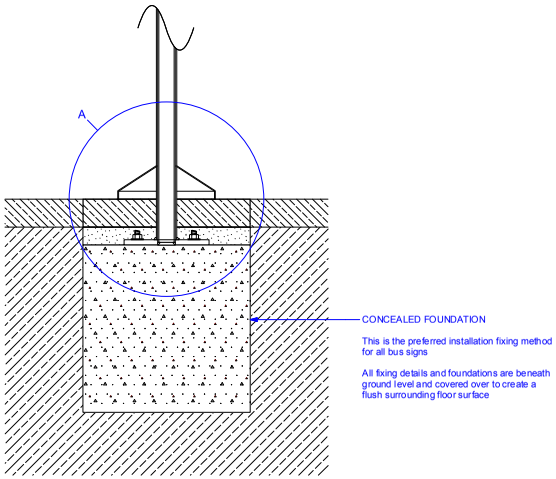
REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE:	DRAWN BY:
30.11.18	JH
CHECKED BY:	APPROVED BY:
RC	
SCALE:	
VARIES @ ARCH D	

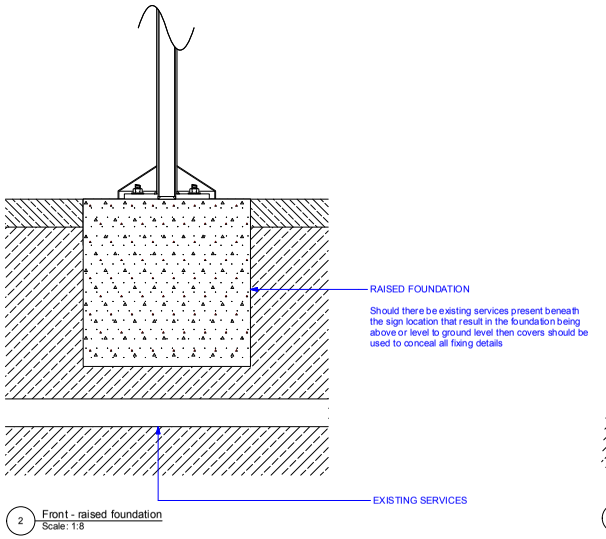
METROLINX

TYPE:	N/A
LABEL:	N/A
NAME:	Mounting Guide
MOUNTING:	Freestanding
ILLUMINATION:	N/A

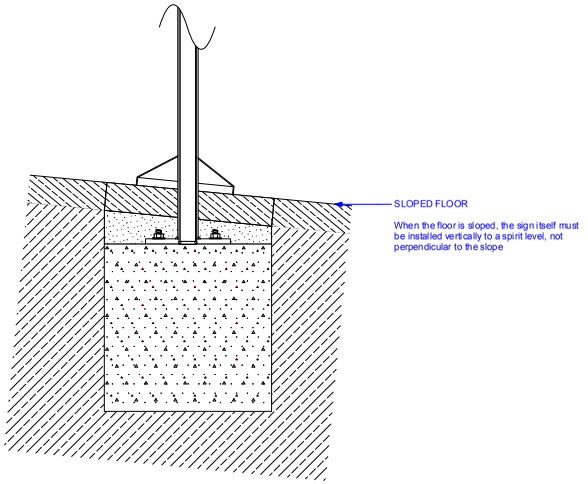
CONTRACT NO.	DWG. NO.	REV.	SHEET
	03.MG FS		1 of 1



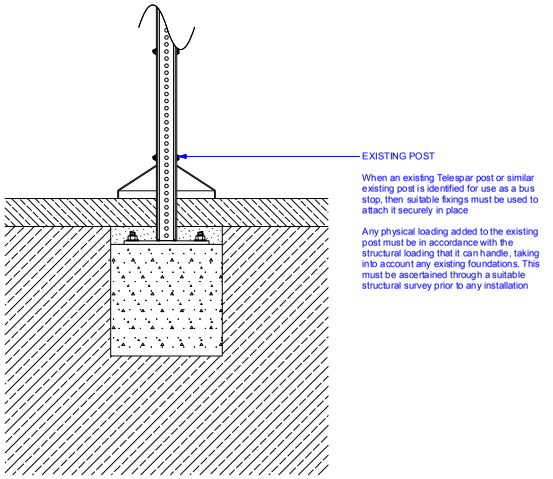
1 Front - concealed foundation
Scale: 1:8



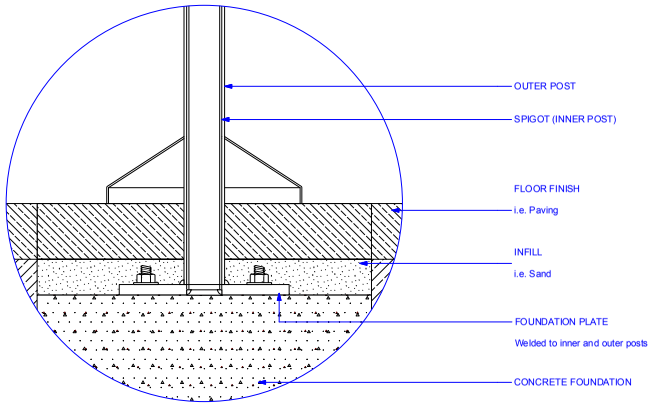
2 Front - raised foundation
Scale: 1:8



3 Front - sloped floor
Scale: 1:8



4 Front - retro fit variant
Scale: 1:8



5 Detail A
Scale: 1:4

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

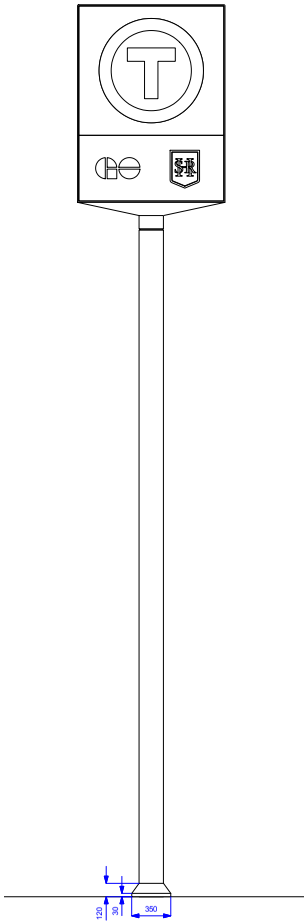
REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE: 30.11.18	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

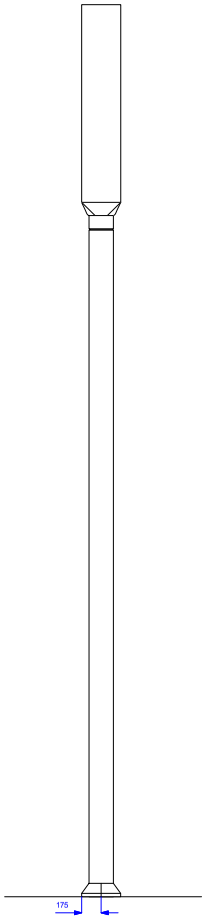
METROLINX

TYPE:	N/A
LABEL:	N/A
NAME:	Mounting Guide
MOUNTING:	Freestanding - Bus
ILLUMINATION:	N/A

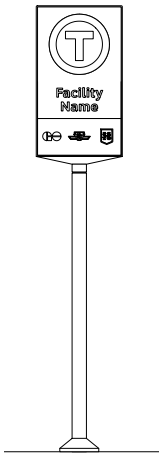
CONTRACT NO.	DWG. NO.	REV.	SHEET
	05.MG FS BUS		1 of 1



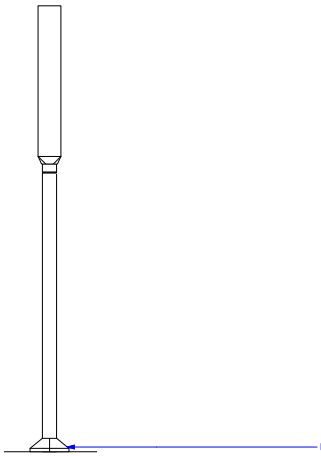
1 Front - TH1 6M and 8M
Scale: 1:20



2 Left - TH1 6M and 8M
Scale: 1:20



3 Front - TH2.2 4M
Scale: 1:20



4 Front - TH2.2 4M
Scale: 1:20

GENERAL NOTES

Design intent
This drawing shows design intent only, no parts should be constructed from it

Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
All graphic content shown should be considered indicative. The use of the network identifier graphic is indicative where used

Finishes
For finish detail, please refer to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

SPECIAL NOTES

The shown principles apply to all free standing single post Facility Beacon signs

Finish
The details shown are indicative and should be treated as best practice

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE: 31.05.19	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

TYPE:	N/A
LABEL:	N/A
NAME:	Mounting Guide
MOUNTING:	Freestanding - Single post, Future State
ILLUMINATION:	N/A

CONTRACT NO.	DWG. NO.	REV.	SHEET
	06.T MG FS SP		1 of 1

5.0 Contrast elements

This section specifies when contrast elements should be applied to signs, as well as specification for how this should be done.

5.1 Introduction

In order to highlight the presence of a sign that may otherwise not be noticed due to low contrast between its structure and the station environment, contrast elements are to be used. The contrast elements take the form of an applied coloured block or symbol at specified heights on certain sign types.

Contrast elements should only be applied to sign types listed below that are located in areas where pedestrians can directly encounter them. For example, where signs of the types listed below are located directly next to a wall, it is not necessary to add contrast elements. This is because signs in these locations are not causing an obstruction to passing pedestrians.

5.2 Applicable sign types

Type 1A
TH9
IN1.1 freestanding
IN1.2 freestanding
IN1.3 freestanding
IN1.4 freestanding
IN1.5 freestanding
IN1.6 freestanding
AM2.4
AM4
DR1.1
PL2
PL5 freestanding
DS1
DS4
DS3

Type 1B
TH2.1

Type 2
TH1 @ 6m and 8m
TH2.2

5.3 Classifications

The sign types identified to have contrast elements applied to them are subdivided in to the 3 classifications; Type 1A, 1B and 2.

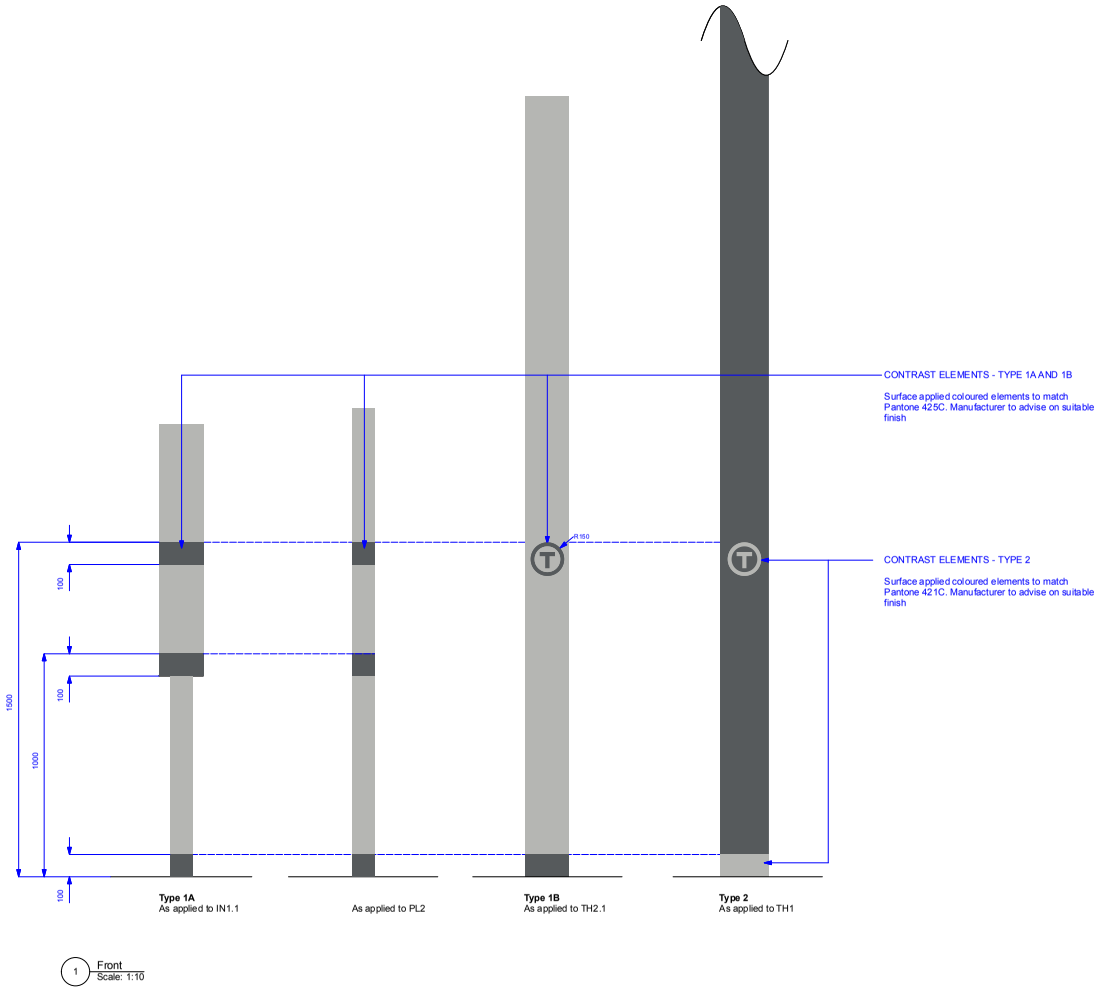
Type 1A
When the surface of the sign is light in colour e.g. the silver coloured framework, then the contrast element must be dark with contrast between it and the sign at 70% Light Reflectance Value contrast or above.

Type 1A contrast elements take the form of 100mm high blocks of colour to match Pantone 425C, suitably surface applied at 3 heights; ground level, 1000mm and 1500mm from ground level.

Type 1B
The same principle as Type 1A, however without the middle element and with the top element being the network identifier. This type is only applicable to the TH2.1 sign type.

Type 2
The same principle as Type 1B, however the contrast element is to be applied in a light colour to contrast between it and the darker finish of the pole. This lighter finish should be to match Pantone 421C.

Specification drawings are included on the following page



1 Front
Scale: 1:10

GENERAL NOTES

Design intent
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Metric
All dimensions shown are in metres and/or millimetres unless otherwise noted

Content
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Finishes
For finish detail, please also to the supplied standard finishes listing

Mounting
Manufacturer to design detail all structural and fixing elements

REFERENCE DRAWINGS		ISSUE			REVISIONS		
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DATE: 31.05.19	DRAWN BY: JH
CHECKED BY: RC	APPROVED BY:
SCALE: VARIES @ ARCH D	

METROLINX

TYPE:	N/A
LABEL:	N/A
NAME:	Contrast Elements, Future State
MOUNTING:	N/A
ILLUMINATION:	N/A

CONTRACT NO.	DWG. NO.	REV.	SHEET
	01.T CON ELE		1 of 1

6.0 Production drawings

To be included as stamped drawings are created as part of implemented sign packages

Appendix A The implementation process and project roles

The following illustrates a typical approach to the wayfinding design and implementation process for Metrolinx led projects

Project roles

A number of roles are involved in the delivery of sign packages. Roles and associated stakeholders are described here and referenced on the following pages.

Signage Lead
A person or company responsible for the planning and design of wayfinding sign packages.

Architectural Lead
A person or company responsible for architectural design detail of the transit facility or other related building or space.

Sign Contractor
A person or company responsible for the implementation of the sign package designed by the Signage Lead, including validation of sign placement, fabrication and installation.

General Contractor
A person or company under contract who provides materials and/or labour to perform a service or job.

Station Architect
Lead architect responsible for the overall design of the transit facility or other related building or space.

3rd Party Property Owners
Stakeholders in the project through ownership of all or part of the transit facility or adjacent property.

Local Permitting Agency
Governmental agency with power to grant permits and other permissions in the area that the transit facility is situated.

Municipal Operators
Local transit agency operating services from the transit facility where the wayfinding sign package is being installed.

The Implementation process
New facilities and partial renovations

APPROACH 1
Metrolinx led projects

Lead responsibility

Signage Lead (ProjectCo managed if AFP)

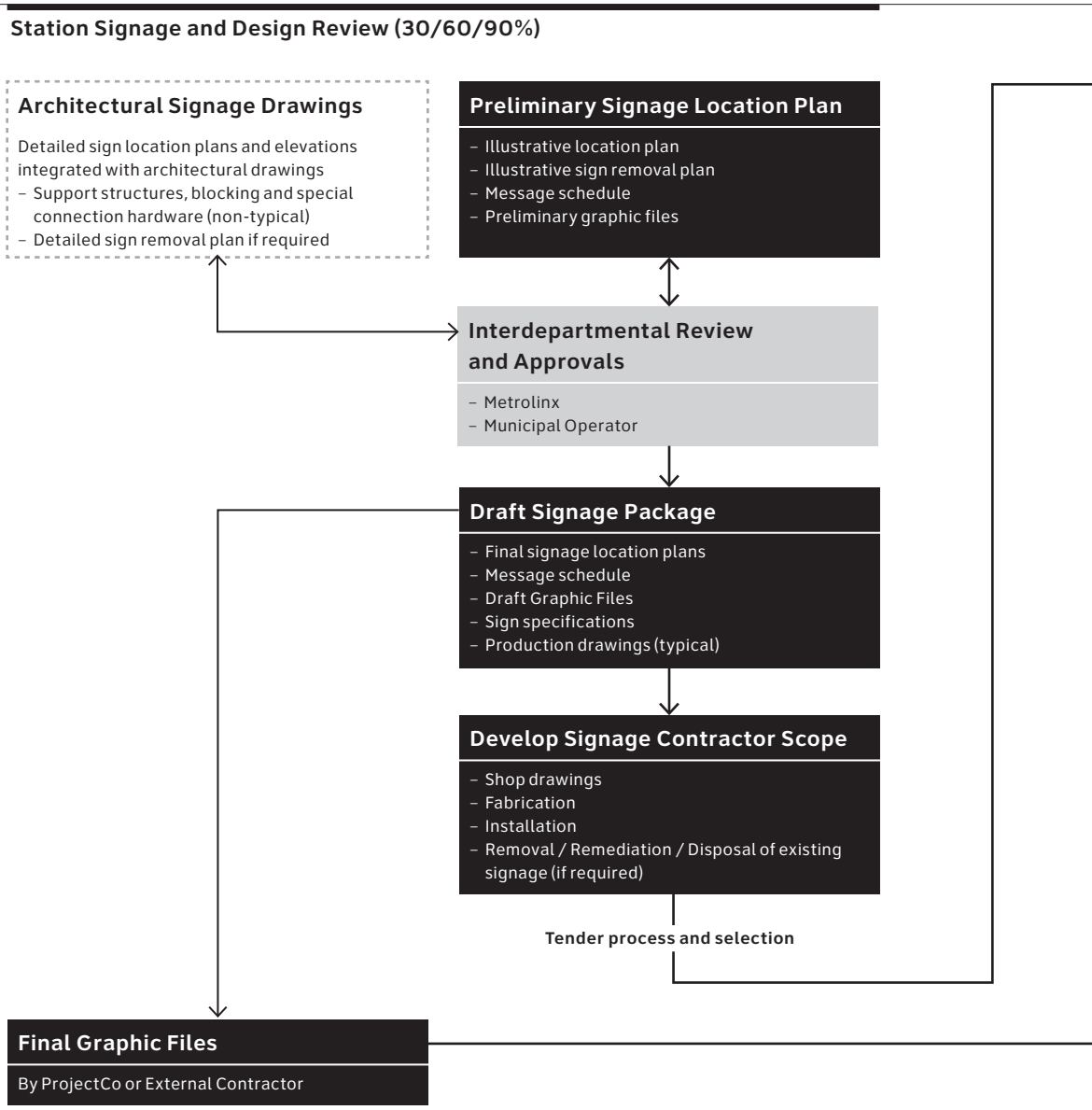
Architectural Lead (ProjectCo managed if AFP)

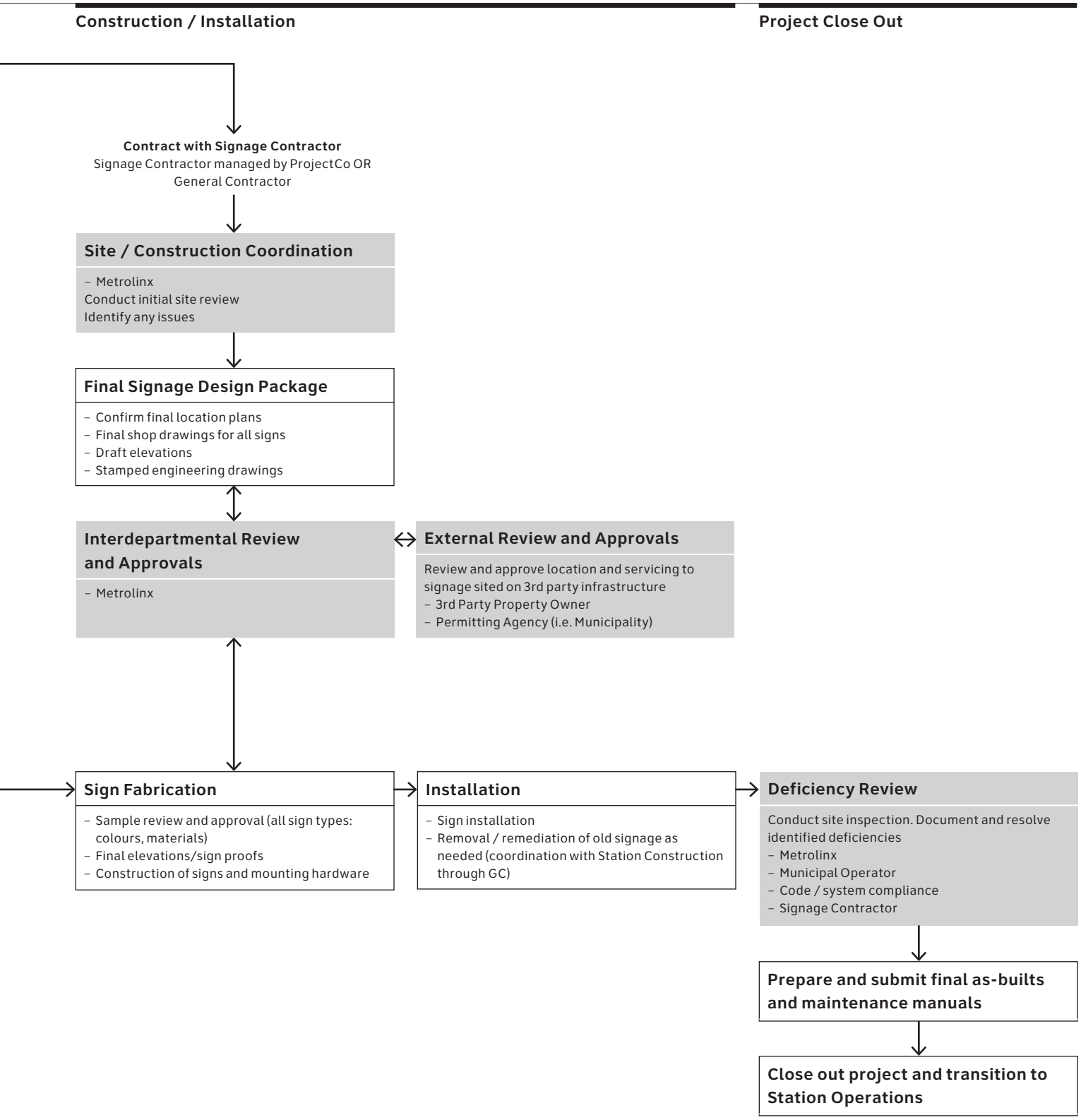
Sign Contractor

Coordination and review

Internal
- Metrolinx

External
- General Contractor (GC)
- Station Architect
- 3rd Party Property Owners
- Local Permitting Agency
- Municipal Operators




Construction / Installation
Project Close Out
Contract with Signage Contractor
Signage Contractor managed by ProjectCo OR General Contractor
Site / Construction Coordination
– Metrolinx
Conduct initial site review
Identify any issues
Final Signage Design Package
– Confirm final location plans
– Final shop drawings for all signs
– Draft elevations
– Stamped engineering drawings
Interdepartmental Review and Approvals
– Metrolinx
External Review and Approvals
Review and approve location and servicing to signage sited on 3rd party infrastructure
– 3rd Party Property Owner
– Permitting Agency (i.e. Municipality)
Sign Fabrication
– Sample review and approval (all sign types: colours, materials)
– Final elevations/sign proofs
– Construction of signs and mounting hardware
Installation
– Sign installation
– Removal / remediation of old signage as needed (coordination with Station Construction through GC)
Deficiency Review
Conduct site inspection. Document and resolve identified deficiencies
– Metrolinx
– Municipal Operator
– Code / system compliance
– Signage Contractor
Prepare and submit final as-builts and maintenance manuals
Close out project and transition to Station Operations