

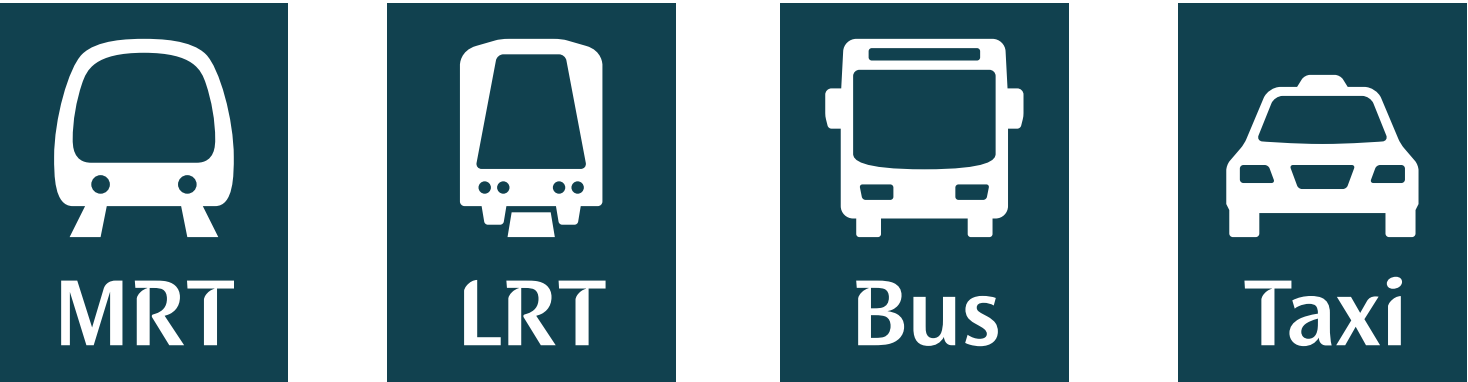


Signage Design Information- Interfacing with Adjacent Development

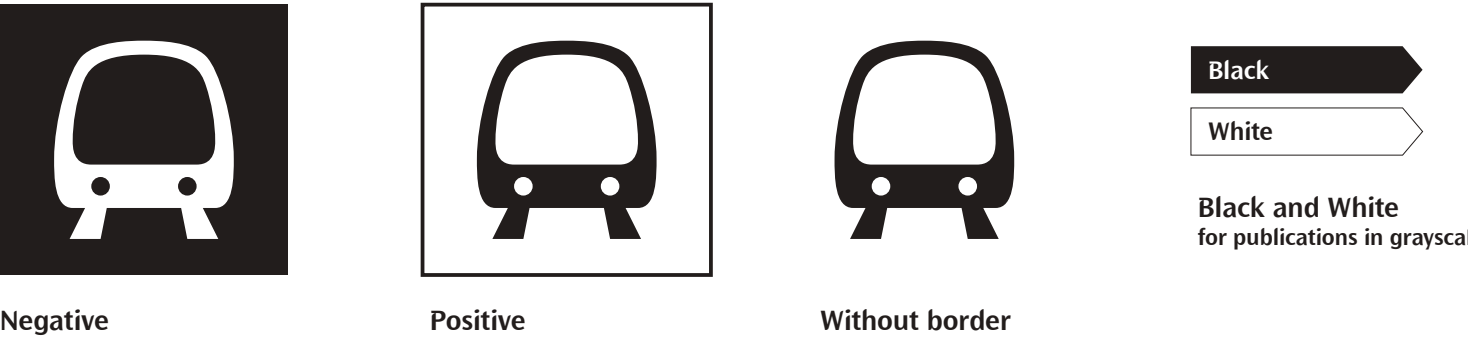
UNCONTROLLED COPY

Date of Print

Transport Mode Identity



Variations in Representation



Transport Mode Identity

The Transport mode logo is used to identify each of the four main modes of transport which form the integrated public transport system.

The design of the four modes of transport pictograms are based on international design standards, with subtle modifications to create a unique and consistent ‘family’ of pictograms. They were further modified in 2013:

- They are now more visually distinct from one another
- The previous standard mode identity colours were removed, so as to give way for more emphasis on route/line colours.

The appropriate transport mode logos appears when the sign or information relates to a particular mode of transport.

The logos are valuable and legal trademarks and must be protected against misuse. The symbol may only be reproduced from the master artwork. It must not be re-drawn, reset, scanned or used in any other fashion than those specified within these Design Guidelines.

The illustrations on this page show examples of allowed versions/variants.

System Identity Colours



Sun Yellow

PMS 122C

RAL 1023

C0 M14 Y80 K0

R252 G214 B71



Rainforest Green

PMS 316C

RAL 6004

C100 M15 Y26 K70

R252 G214 B71



Pale Green

PMS 558C

RAL 6019

C32 M2 Y22 K4

R176 G201 B181

25% TINT

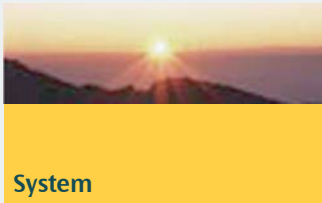
30% TINT

50% TINT

Pale Green Percentage Tinted Colour
(*usually used for background colours)

System Identity colours inspiration

Colours inspired by the tropical environment of Singapore



Sun Yellow
PMS 122c



Rainforest Green
PMS 316c



Pale Green
PMS 558c

System-wide Colours

The system-wide colours are inspired by the tropical environment of Singapore. The colours include the bright, vibrant and tropical colours as well as the more subtle shades and tintis of the indigenous flora and fauna.

The guiding principle in the use of colours for identification, information and signage is always to provide the commuers with clear visual information.

MRT Line Colour



PMS 355C

C95 M0 Y98 K0

RAL 6024

R0 G150 B69



PMS 1375C

C0 M45 Y95 K0

RAL 2000

R250 G158 B13

* Black against the coloured background; especially for colours that may have poor contrast with white



PMS 3135C

C100 M1 Y20 K3

RAL 5021

R0 G153 B171



PMS 122C

C0 M14 Y80 K0

RAL 1023

R252 G214 B71

* Black against the coloured background; especially for colours that may have poor contrast with white

LRT Line Colour



PMS 5625C

C41 M13 Y34 K39

RAL 7033

R112 G130 B112



PMS 485C

C0 M93 Y95 K0

RAL 3020

R212 G46 B18



PMS 2935C

C100 M52 Y0 K0

RAL 5005

R0 G94 B196



PMS 224C

C4 M71 Y0 K0

RAL 4010

R242 G102 B181



PMS 2592C

C61 M88 Y0 K0

RAL 4008

R153 G0 B171



PMS 731C

C12 M63 Y100 K61

RAL 8012

R120 G64 B8



PMS 368C

C0 M45 Y95 K0

RAL 6018

R250 G158 B13

Colour Specification

PMS

An abbreviation of Pantone Matching System. This system is used to specify spot colours (e.g individually mixed colours) for reproduction. The letter ‘C’ after the specification indicates a colour’s appearance on coated paper stock. The letter ‘U’ after the specification indicates a colour’s appearance on uncoated paper stock.

The Pantone ‘coated’ colour specification will be used as the main reference for all colour matching.

Print Specifications

CMYK

Initials representing the four colours - Cyan, Magenta, Yellow, and Black (Kohl) - used in the four-colour printing process. Different combinations and proportions of these four colours are used to achieve matches to the spot colours.

Screen Specifications

RGB

An abbreviation of Red-Green-Blue, indicating the primary colours of light. For reproduction on screens and other electronic systems, combinations of these three colours are used to match the each respective colours.

Paint Specifications

RAL / NCS

Paint and coating vendors generally refer to the RAL system, but other systems may be used.

NCS is an abbreviation of Natural Colour System. This provides a wide range of colour specifications applicable to paints and other materials. There are colour-matches in this system for all the Singapore Transport System colours specified in these guidelines.

Please do not use these systems without first obtaining the approval of LTA for Corporate design of Singapore Transport.

Colour Matching

Swatch colour matching shall be carried out using the actual finished material under similar conditions as the intended usage of the media, e.g. the intended backlit film shall be reviewed on an internally-illuminated box against the backing of the specified translucent media/substrate.

Component Colour

Metal Powder Coat

RAL 7012

* Signage metal supports & brackets

Metal Powder Coat

RAL 9007

* Sign-box frame & Supports - DBO / Bus & Taxi Shelter Panels

Regulatory Colours

Prohibition / Fire Safety Red

PMS 485C

C0 M93 Y95 K0

RAL 3020

R212 G46 B18

Safety Condition Green

PMS 355C

C95 M0 Y98 K0

RAL 6024

R0 G150 B69

Regulation Black

RAL 9005

Mandatory Blue

PMS 301C

C100 M46 Y5 K18

RAL 5017

R0 G89 B156

Colour Specification

PMS

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Identity Typeface

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 &.,,:;’!()?/-

LTA Identity

Sign Typeface

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 &.,,:;’!()?/-

Ocean Sans Standard Light
(formally, Ocean Sans MM 310wt 475wd)

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 &.,,:;’!()?/-

Ocean Sans Standard Book
(formally, Ocean Sans MM 430wt 475wd)

Multi Language Typeface

政 府 大 厦

Hei - Ti (preferred) or Hei - Fang

Stroudley

Light Regular Bold
Italic Italic Italic

ABCDEFGHIJKLMN OPQRSTUVWXYZ

abcdeghijklmnopqrstuvwxyz

1234567890

ABCDEFGHIJKLMN OPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 &.,,:;’!()?/-

Ocean Sans Standard Book
(formally, Ocean Sans MM 512wt 475wd)

ABCDEFGHIJKLMN OPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 &.,,:;’!()?/-

Ocean Sans Standard Book
(formally, Ocean Sans MM 600wt 600wd)

நகர மண்டபம்

Mil Lai and Mil Lai - medium

Typography

LTA Identity Typeface

LTA Identity typeface has been created for the Systemwide Identity and Signage System, solely for the use by LTA. The typeface is solely used for identity codes, proper nouns, etc., e.g. names of MRT stations/lines.

Ocean Sans Typeface

The typeface is a modern and highly legible typeface suitable for both large scale and signage application and small scale information as may appear on maps. The lettering used throughout the directional system is Ocean Sans Standard in upper and lower-cases letters. This typeface is use for all signage and information related to the Systemwide Identity and Signage system.

Multi Language Typeface

Chinese and Tamil translations will appear on a limited number of signs, information and in marketing communications..

To obtain Typefaces:

Contractors are not permitted to digitize these typefaces or vary the lettering spacing in any way.

Authorised copies of ‘LTA-Identity’ typeface is available from the Land Transport Authority (LTA), subject to a licence application and payment of a nominal licence fee. Owned by the authority, copyright laws apply for the usage.

The entire proprietary Ocean Sans Standard typeface family is available for purchase from the internet and the Adobe’s website.

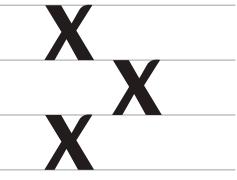
Authorised copies of the Hei Ti and Mullai typefaces are available from many font suppliers in Singapore.

Typography: Linespacing

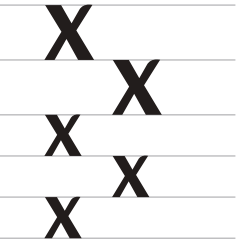
LTA Identity Font

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 &.,:;'!()?/-

Linespacing principles



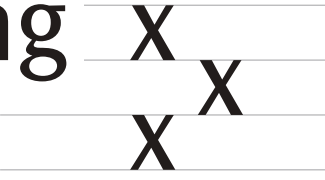
Linespacing principles



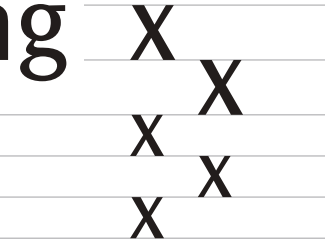
Ocean Sans Font

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 &.,:;'!()?/-

Linespacing principles



Linespacing principles

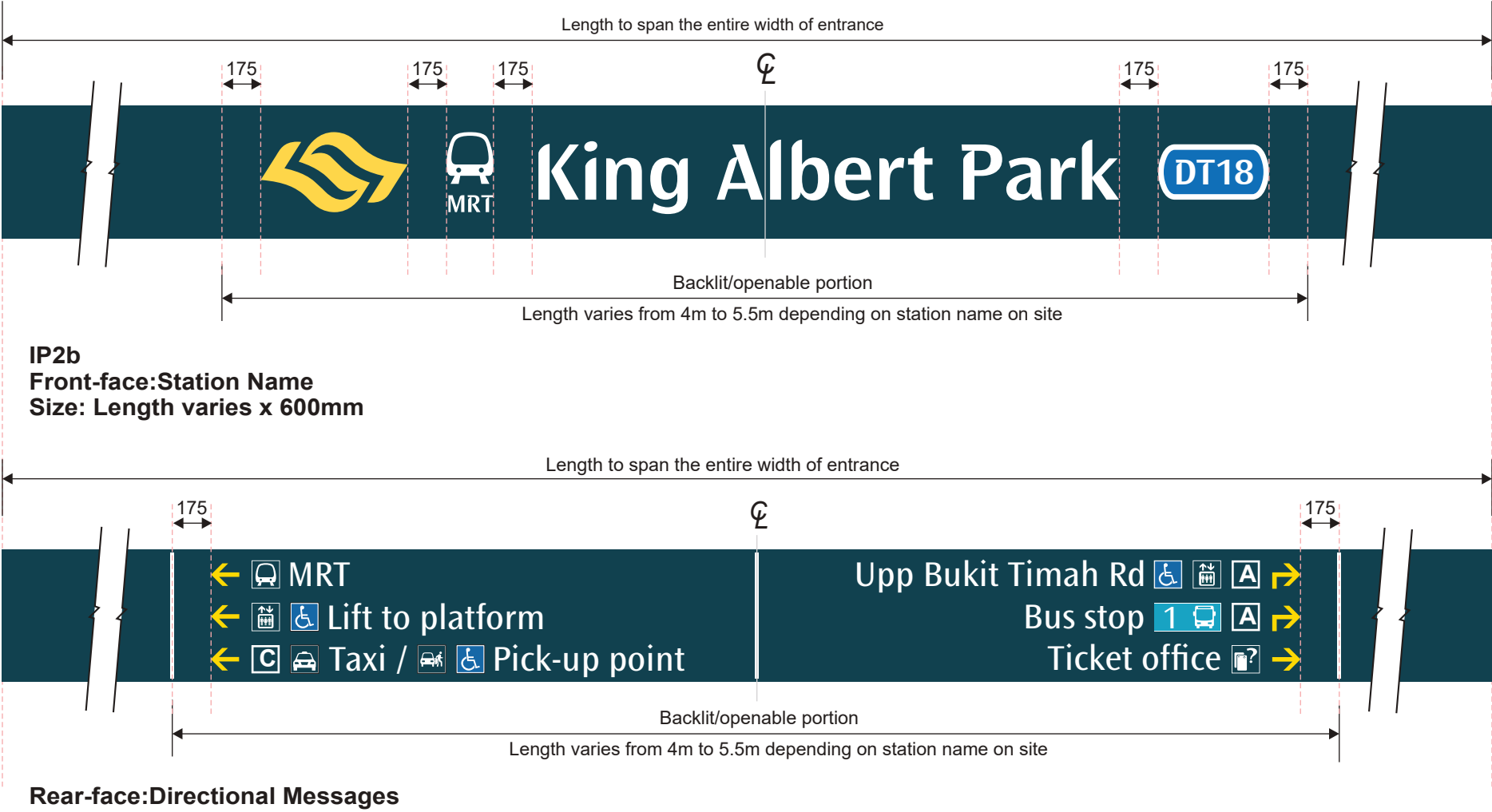


Linespacing Principles

Specific rules of letter and word spacing have been developed to maximise legibility.

Line spacing is based on the height of the lower-case letter ‘x’ of each typeface. One ‘x’ is the standard minimum space height between two lines of information. When more than one size lettering is used in an information, the larger ‘x’ letter height should be used to separate the two lines of differing size.

Exterior Entrance Station Name Sign - IP2b



Exterior Station Name Sign - Sign Code: IP2b

Graphics

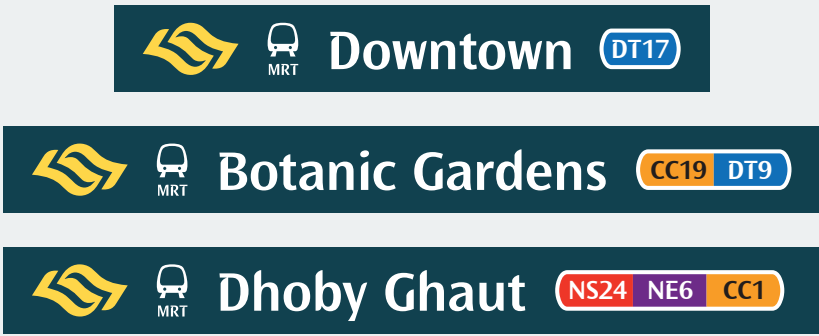
See illustration and separate drawings for details.
The artwork shall be derived using the master softcopy as reference.
Signage information shall be for commuters from both directions - inbound and outbound.
Inbound will contain station name information;
Outbound will have street names/landmarks/connecting facilities.

Material and Construction

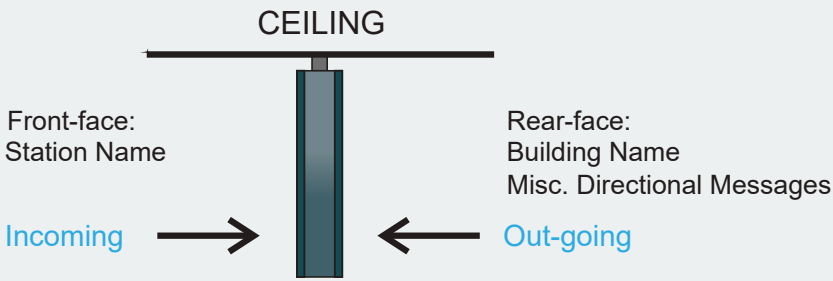
Backlit Signbox
Powder-coated aluminium signbox; structurally framed with extruded aluminium;
Internally illuminated (backlit) signbox for the portion with graphics (see dimensions).
In instances of long span, there may be portions (to the left and right side of graphics) that are sealed box-up without the need for lamps.

Sign-face panel
Sign-face panel/fascia is removable (both front & rear of signbox)
Translucent Backlit Graphics:
The Rainforest Green background is *opaque*; proprietary cut-out opaque coloured vinyl as background. Additional measures may have to be taken to ensure opacity;
All graphical symbols and text are translucent/backlit; proprietary die-cut translucent coloured vinyl on opal-white acrylic sheet.

Mounting
Various possible mounting from ceiling or from wall surface.



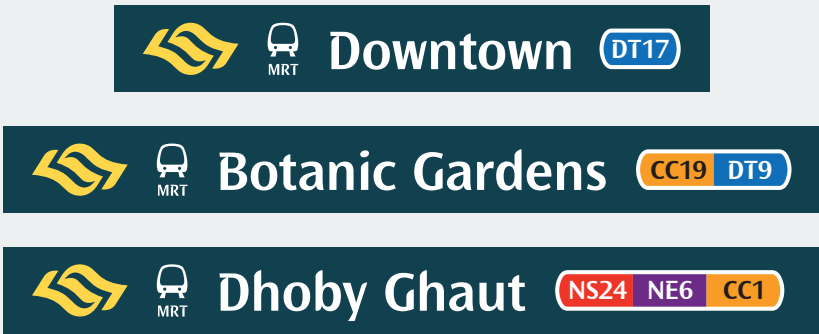
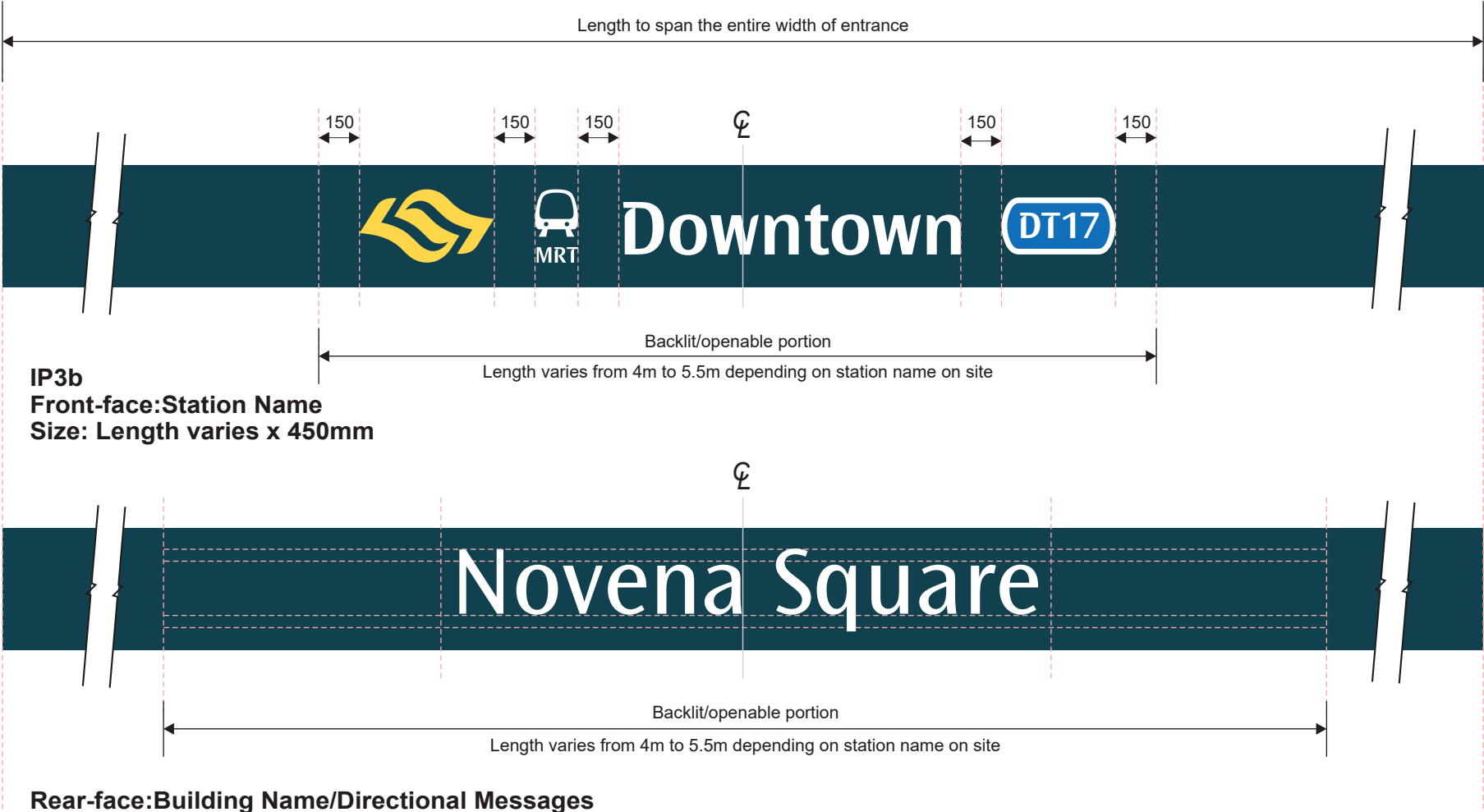
Variations of Station Name sign



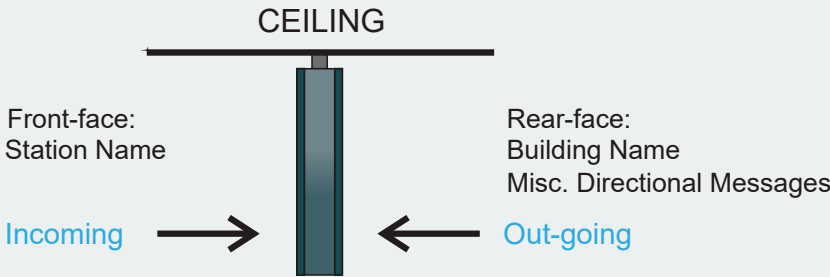
Side Elevation of Station Name sign

Note: The graphics on the signs are illustrative only; actual graphics to be generated from original templates from the Authority.

Interior Entrance Station Name Sign - IP3b



Variations of Station Name sign



Side Elevation of Station Name sign

Interior Station Name Sign - Sign Code: IP3b

Graphics

See illustration and separate drawings for details. The artwork shall be derived using the master softcopy as reference. Signage information shall be for commuters from both directions - inbound and outbound. Inbound will contain station name information; Outbound will have street names/landmarks/connecting facilities. If the message contains only the building name: The building name may in the branding identity of the development, provided it is technically feasible within the confines of the materials and construction of the signbox stipulated below. Otherwise, the name shall be in the standard transit typeface.

Material and Construction

Backlit Signbox
Powder-coated aluminium signbox; structurally framed with extruded aluminium;
Internally illuminated (backlit) signbox
In instances of long span, there may be portions (to the left and right side of graphics) that are sealed box-up without the need for lamps.

Sign-face panel
Sign-face panel/fascia is removable (both front & rear of signbox)
Translucent Backlit Graphics:
The Rainforest Green background is *opaque*, proprietary cut-out opaque coloured vinyl as background. Additional measures may have to be taken to ensure opacity;
All graphical symbols and text are translucent/backlit; proprietary die-cut translucent coloured vinyl on opal-white acrylic sheet.

Mounting
Various possible mounting from ceiling or from wall surface.

Non-illuminated Version - *limited usage only
In exceptional cases of technical difficulties, the sign may be externally illuminated.
The ambient lighting shall be evenly distributed; no shadow or light/dark bands or high contrast; the lighting falling on the sign face shall be at least 200lux.
Externally illuminated version shall be fabricated in 2mm thick aluminium with digitally-printed graphics on vinyl with matt overlaminate
Mounted directly on the wall surface.

Note: The graphics on the signs are illustrative only; actual graphics to be generated from original templates from the Authority.

Interior Entrance Station Name Sign



Interior Station Name Sign - Sign Code: IP3b

This sign is located at connections between building developments and the MRT stations (or Bus Interchanges).

It identifies the name of the MRT/LRT station. It is to be displayed at every primary entrance to the transit facility.

Location and Application

Underground/Underpass connections, secondary entrances. Immediately above each point of entry to the station or interchange. The length of the sign effectively forms a portal at the entrance.
It shall be located within the transit facility maintenance boundary.
The height of the sign may be adjusted if headroom issues arise.
Ceiling mounted is preferred over surface mounting, where both front and rear of the sign-face is exposed. In case of site constraints where the sign can only be surface-mounted, the front and rear face shall be separated into 2 signboxes.

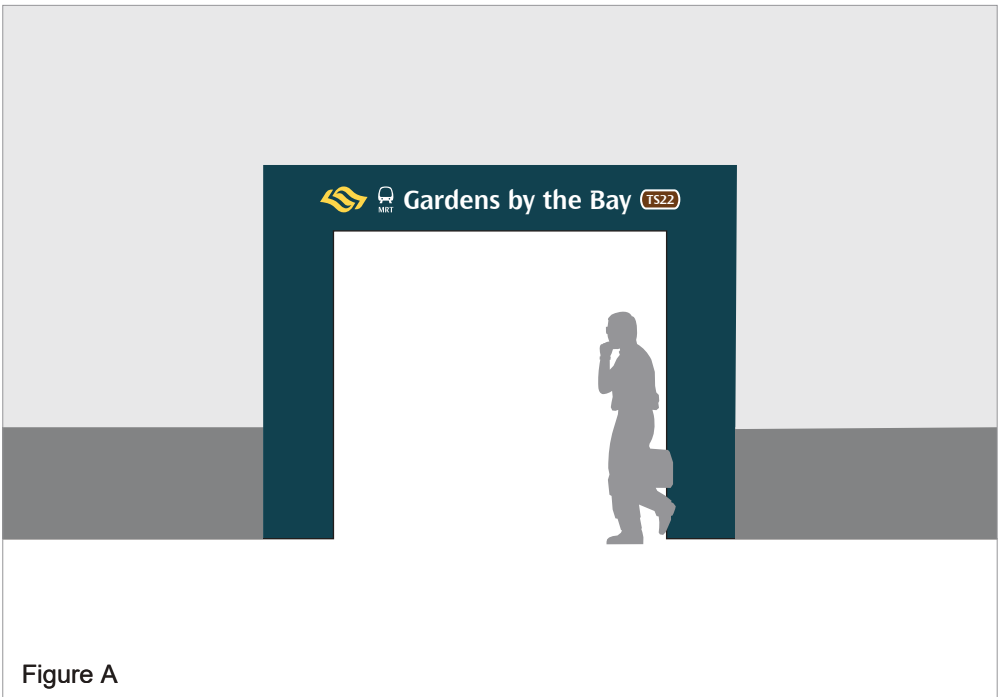


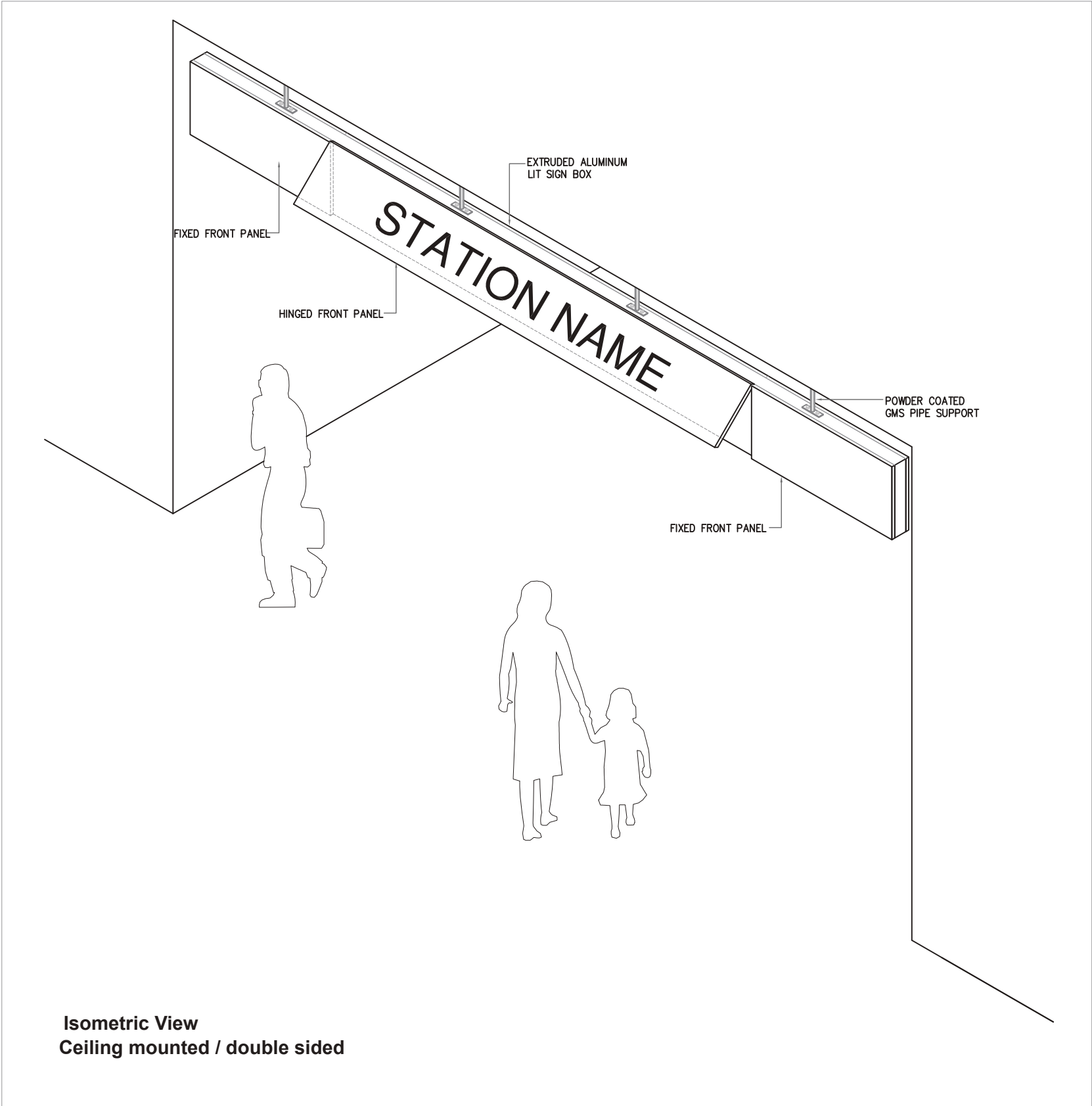
Figure A



Figure C

Note: The graphics on the signs are illustrative only; actual graphics to be generated from original templates from the Authority.

Interior And Exterior Entrance Station Name Sign Detailing

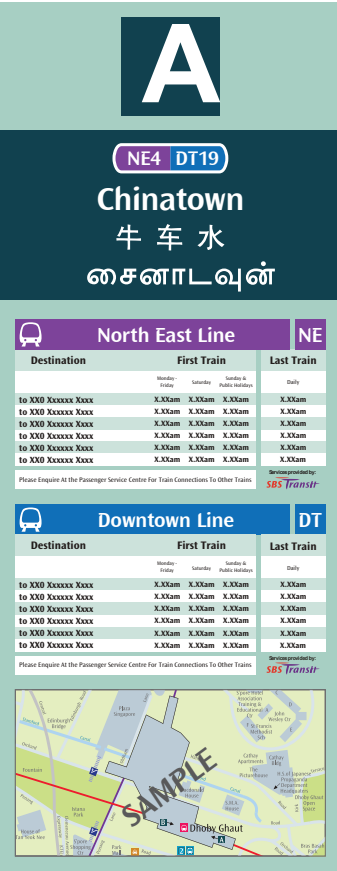


Note: The graphics on the signs are illustrative only; actual graphics to be generated from original templates from the Authority.

Train Operating Hours with Exit Code - IS3



IS3(1)
(For typical station)
Size : 450mm x 900mm



IS3(2)
(For interchange station)
Size : 450mm x 1150mm



IS3(3)
(For interchange station)
Size : 450mm x 1395mm



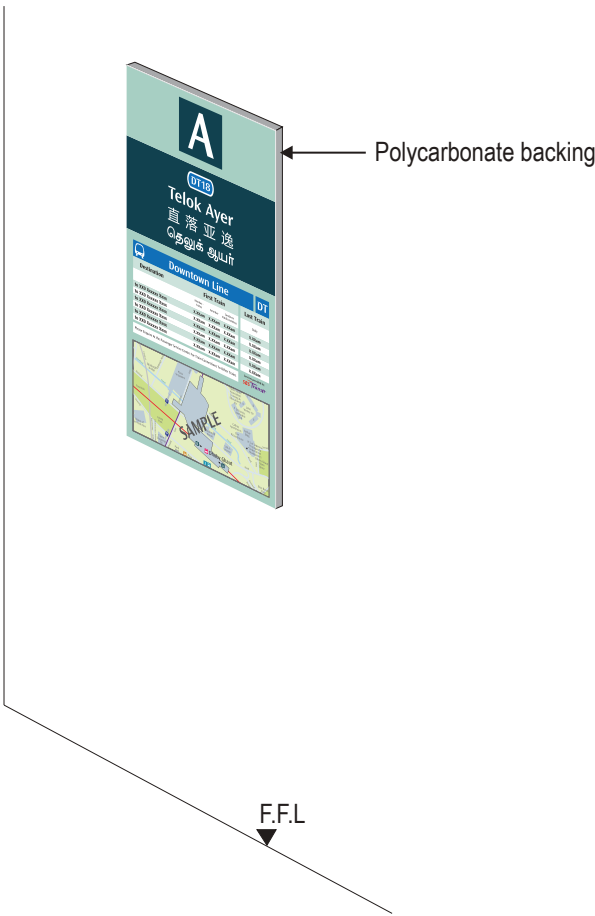
Include Exit
Code above

Train Operating Hours Sign - Signcode: IS3

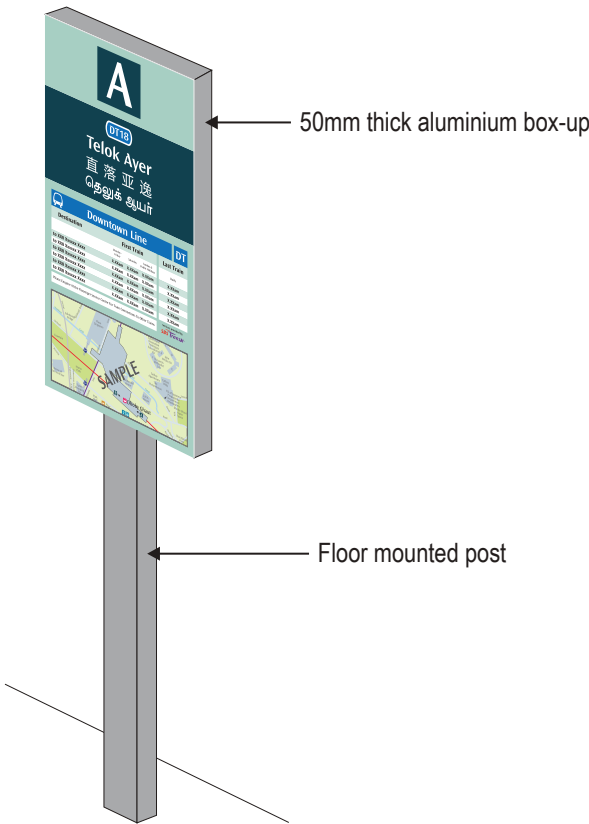
This sign is a combination of the following information:
The entrance/exit code and multilingual station name
The services available from that station and the operation hours
Part locality map

This information aids commuters as follows:
The multilingual station name complements the main station entrance sign
The entrance/exit code identifies the many entrances/exits of that station
The part-locality map helps to identify the entrance/exit that is accessible for the handicapped
The first/last-train timing informs commuters of the operating hours of the station

Train Operating Hours with Exit Code - IS3



Surface mounted at station



Typical floor mounted at station

Location and Application

At every MRT/LRT station entrance; for the inbound commuters. The sign must be sheltered.

Material and Construction

The construction depends on the mounting type.

Mounting:

Surface-mounted on smooth wall (preferred):
Digitally-printed graphics on vinyl sticker with matt overlaminate against a backing of 1mm thick polycarbonate; mounted with foam-based high-bond adhesive double-sided tape.
If the surface is uneven, an additional backing of 2mm thick aluminium is required to be mounted onto the wall to receive the sign poster.

Floor-mounted:
Powder-coated aluminium box-up and support post
Digitally-printed graphics on vinyl sticker with matt overlaminate against a backing of 1mm thick polycarbonate; mounted with foam-based high-bond adhesive double-sided tape.

Artwork and Graphics

Background in Rainforest Green PMS 316C
Pictogram facilities reversed out white
Barrier-free Accessibility in Blue 301C

Facility Identity Sign - IS6 series



IS6(LT)
Lift Identity Sign
Size : 300mm x 300mm



IS6(EC)
Exit Identity Sign
Size : 300mm x 300mm



IS6(EC-A)
Exit Identity w/Arrow Sign
Size : 300mm x 450mm



IS6(T)
Toilet Identity Sign
Size : 300mm x 300mm



IS6(M)
Male Toilet Identity Sign
Size : 300mm x 300mm



IS6(TEL)
Telephone Identity Sign
Size : 300mm x 300mm



IS6(F)
Female Toilet Identity Sign
Size : 300mm x 300mm



IS6(BC)
Baby Care Facility Identity Sign
Size : 300mm x 300mm

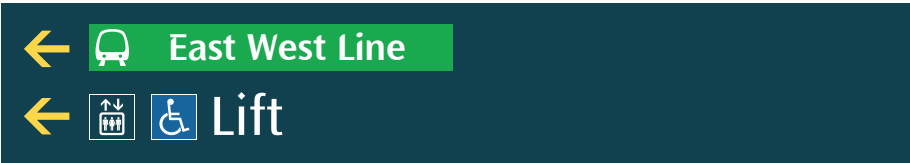
Secondary Identity Signs - Sign Code: IS6-series

This identity signs supplements primary identity signs. They provide identity to station facilities such as toilets, telephones, lifts, exits.

Artwork

The pictograms must be reproduced from master artwork only, and must not be drawn or re-sized in any way. Refer to separate page for more details on identity element.

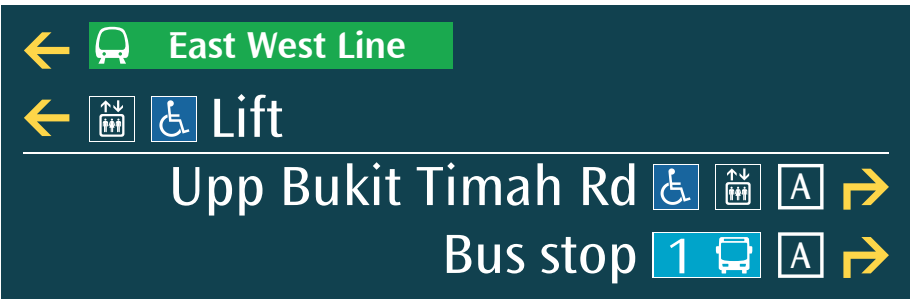
Primary Directional Signs Illuminated - Sign Face



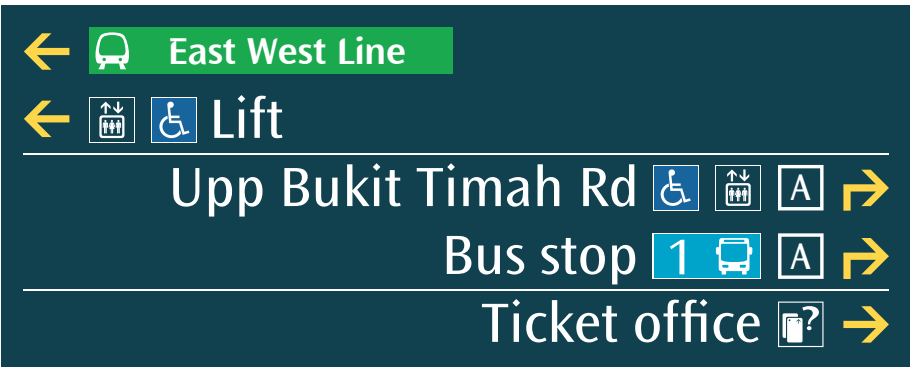
Sign Code: DP1
2-Line Message
Size : 1600mm x 280mm



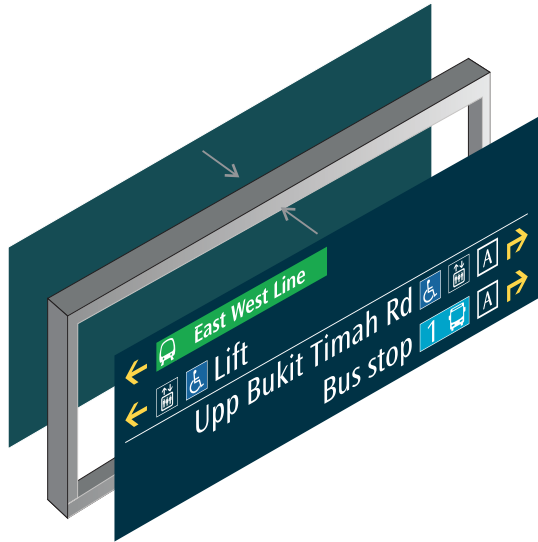
Sign Code: DP2
3-Line Message
Size : 1600mm x 400mm



Sign Code: DP3
4-Line Message
Size : 1600mm x 520mm



Sign Code: DP4
5-Line Message
Size : 1600mm x 640mm



DP-series: Backlit signbox

Primary Directional Signs
Illuminated (backlit)
Sign Codes: DP1 / DP2 / DP3 / DP4

The primary signs are used for all key direction signs. They form a system of standard sizes and fixing types.

The sign sizes and message display areas are based on the size of the message and the quantity of messages required. The display area width is always 1600mm and must not be altered in any way. The dept varies according to th quantity of message.

These DP-signs are illuminated (backlit) versions in the form of signboxes with lamps within.

Graphics and Artwork

Directional sign message on the left are for illustration samples only.

Materials and Construction

Refer to separate section for details.

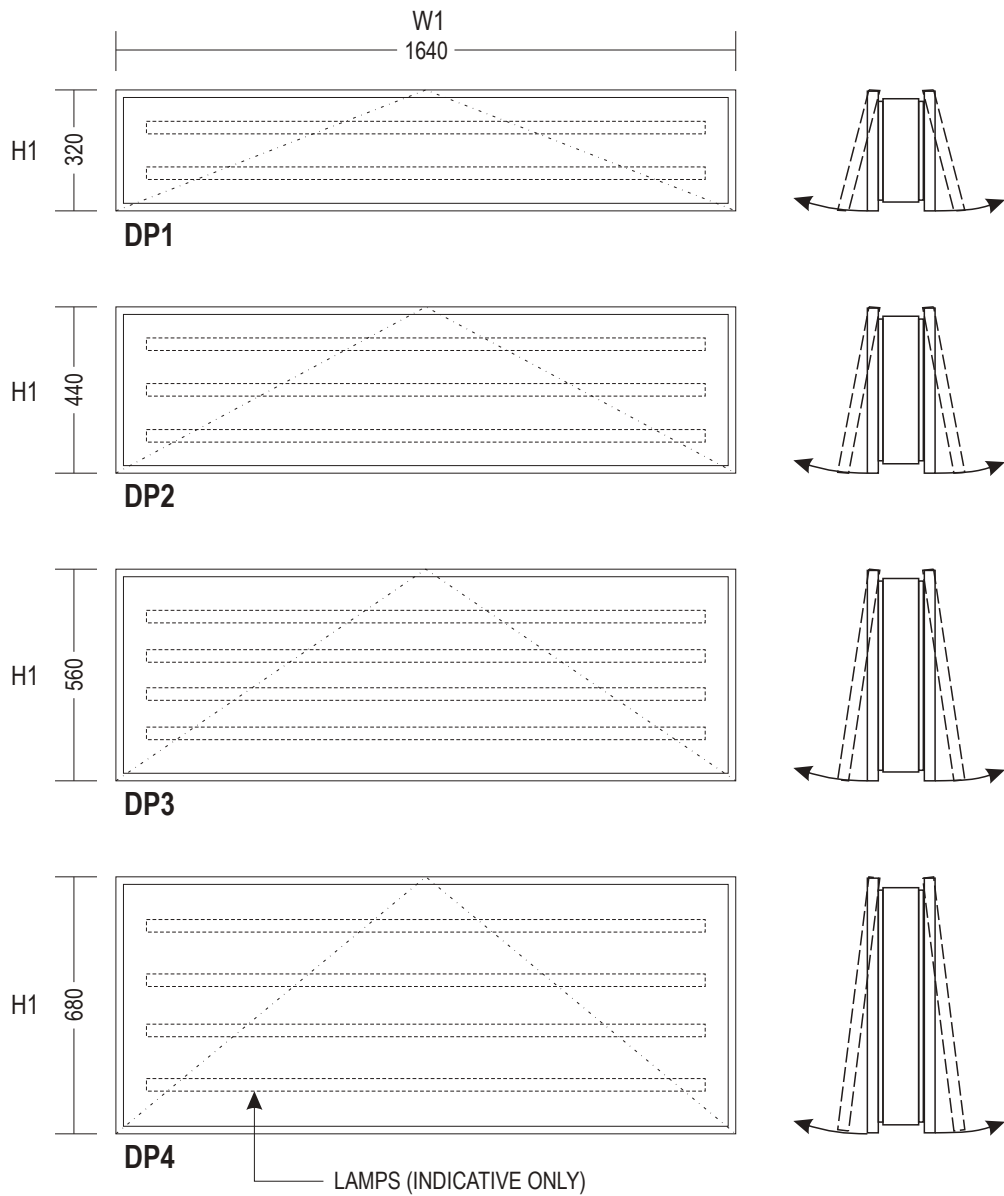
Directional Signs

Primary Directional Sign
Sign Code: DP-series

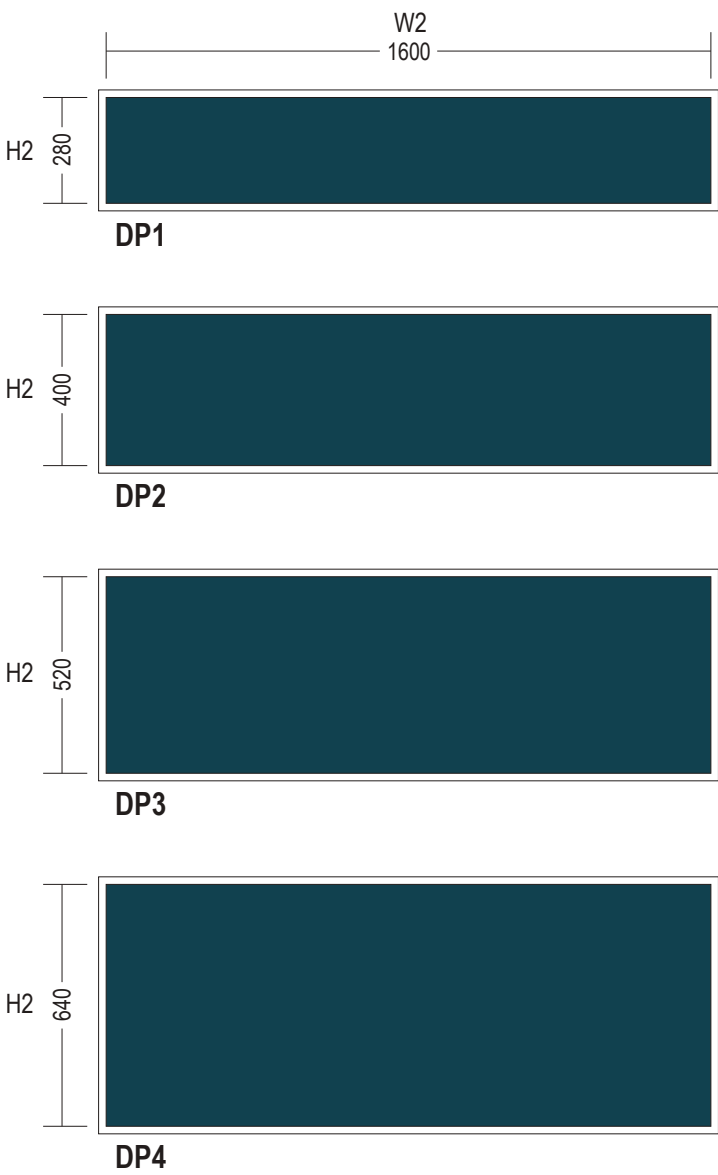
Description
Internally backlit signbox
Refer to section on signbox detailing

Overall Dimensions
See illustrations

Dimensions of Sign Fascia Panel
This refers to the removable/replaceable front (and rear) fascia panel.
See illustrations.



OVERALL DIMENSIONS OF SIGNBOX
W1 x H1



DIMENSIONS OF FASCIA PANEL
W2 x H2
(for Text Messages)

STANDARD DIMENSIONS:

DIRECTIONAL SIGN CODE	OVERALL SIGNBOX W1 x H1 (mm)	FASCIA PANEL W2 x H2 (mm)
DP1 (2-line message)	1640 x 320	1600 x 280
DP2 (3-line message)	1640 x 440	1600 x 400
DP3 (4-line message)	1640 x 580	1600 x 520
DP4 (5-line message)	1640 x 680	1600 x 640
DP - custom	TBA	TBA

Directional Signs

Primary Directional Sign
Sign Code: DP-series
DP Fascia Panel Details

Description
The sign is internally illuminated.
The fascia panel is replaceable to facilitate updating of directional messages

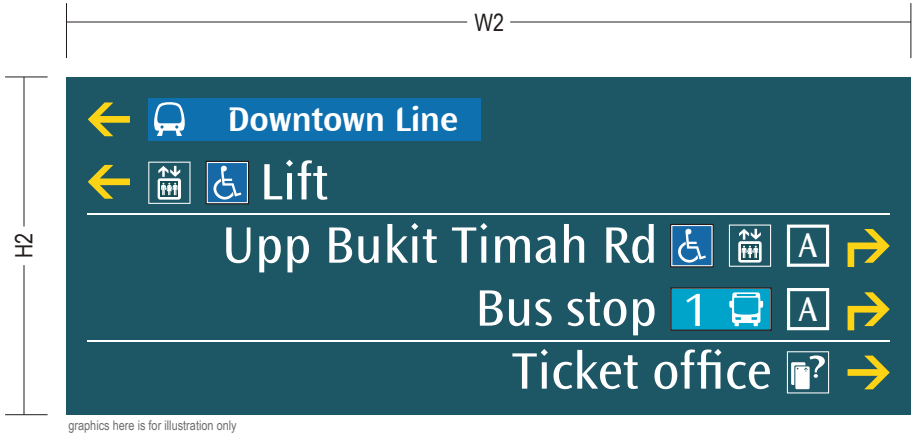
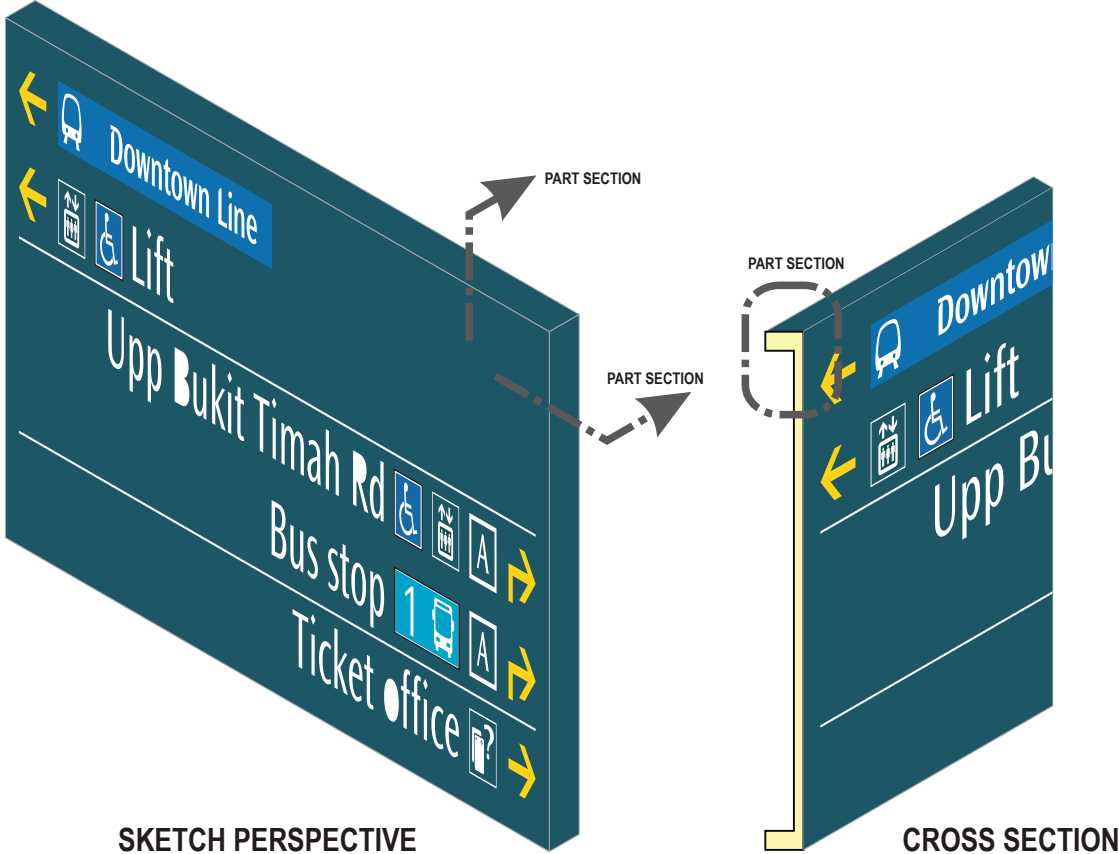
Material and Construction
4mm thick opal-white light transmissive polycarbonate sheet; laminated with approved Rainforest-Green (PMS-316c) opaque vinyl sticker as background colour, with cut-out graphics and text
Symbols are in approved die-cut translucent coloured-vinyl decales
The graphics when backlit, shall be clear, bright and uniform.

Graphics
The entire spectrum of colours for transit signage shall be referred: System-wide colours, MRT/LRT line colours, transport mode colours, pictograms, symbol for the handicapped, etc.
Text shall be in Ocean Sans Standard Book.

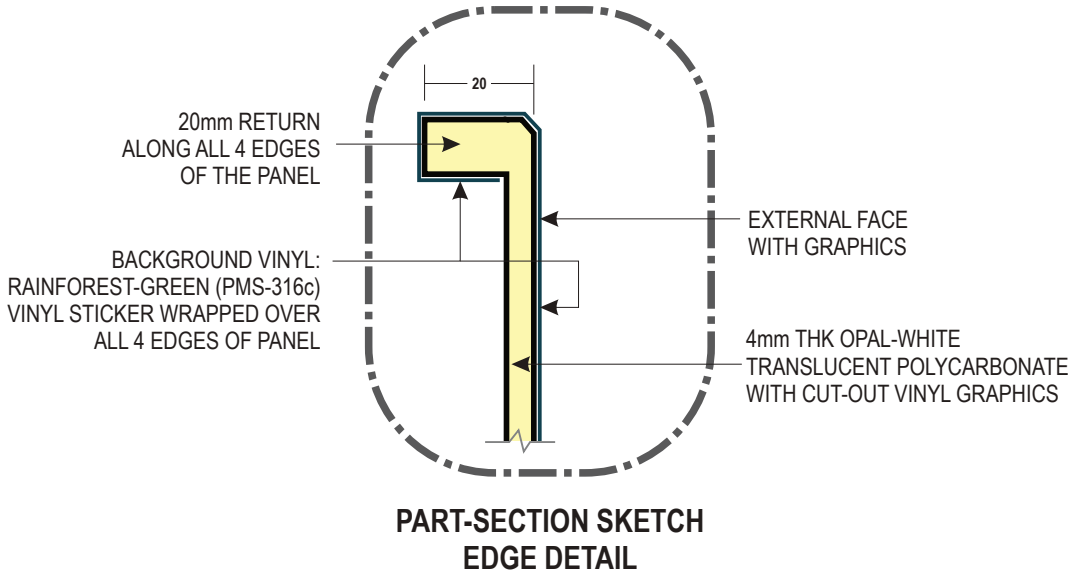
New Signboxes
Dimensions for fascia panels on new signboxes shall comply with the standard guidelines.

Replacement of Fascia Panels on Existing Signboxes
Dimensions of existing/old signboxes may be different at different stations/lines.
Contractor shall verify on site for actual dimensions of existing signboxes and corresponding sign fascia panels.

Notes:
All design drawings are notional ,indicating the design and visual intent & illustrate the mandatory geometry and exposed surfaces. they do not necessarily describe all details require for the full performance of the works.
Whilst the visual & design intent should not be breached, the contractor is responsible for developing the members & details in accordance with the design drawings, specifications, performance criteria & guidelines.
Where specific dimensions, details or design intent cannot be determined, the authority shall be consulted before proceeding.
All drawings shall be read in conjunction with the specifications and guidelines stipulated in the design guideline manuals, references manuals and other related documents.
Site conditions, including dimensions shall be surveyed before installation/fabrication.



DIMENSIONS OF FASCIA PANEL
W2 x H2
(for Text Messages)

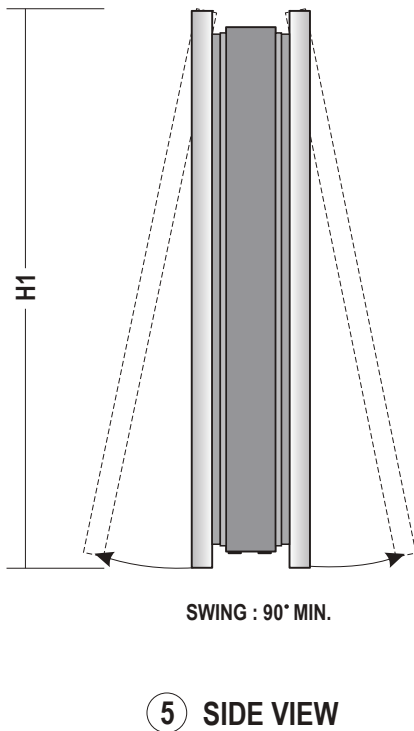
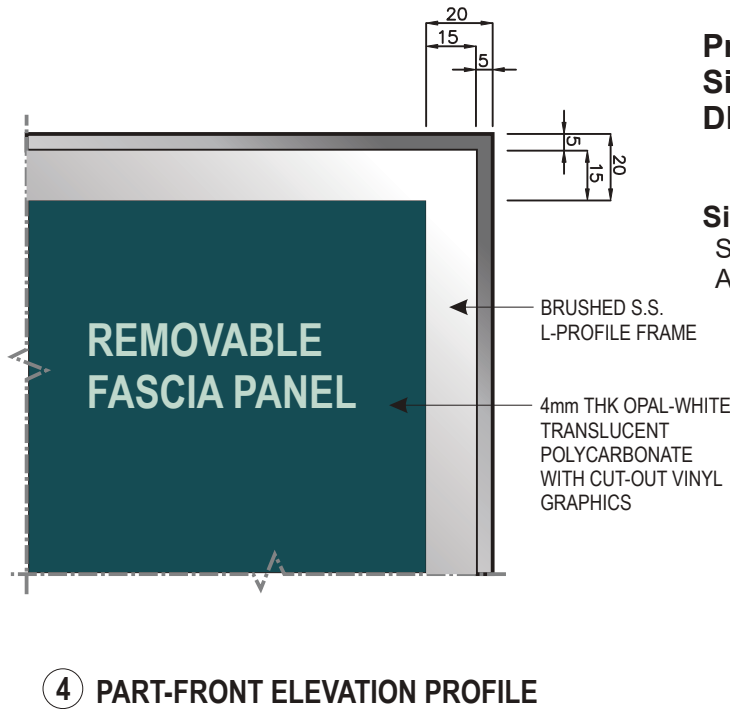
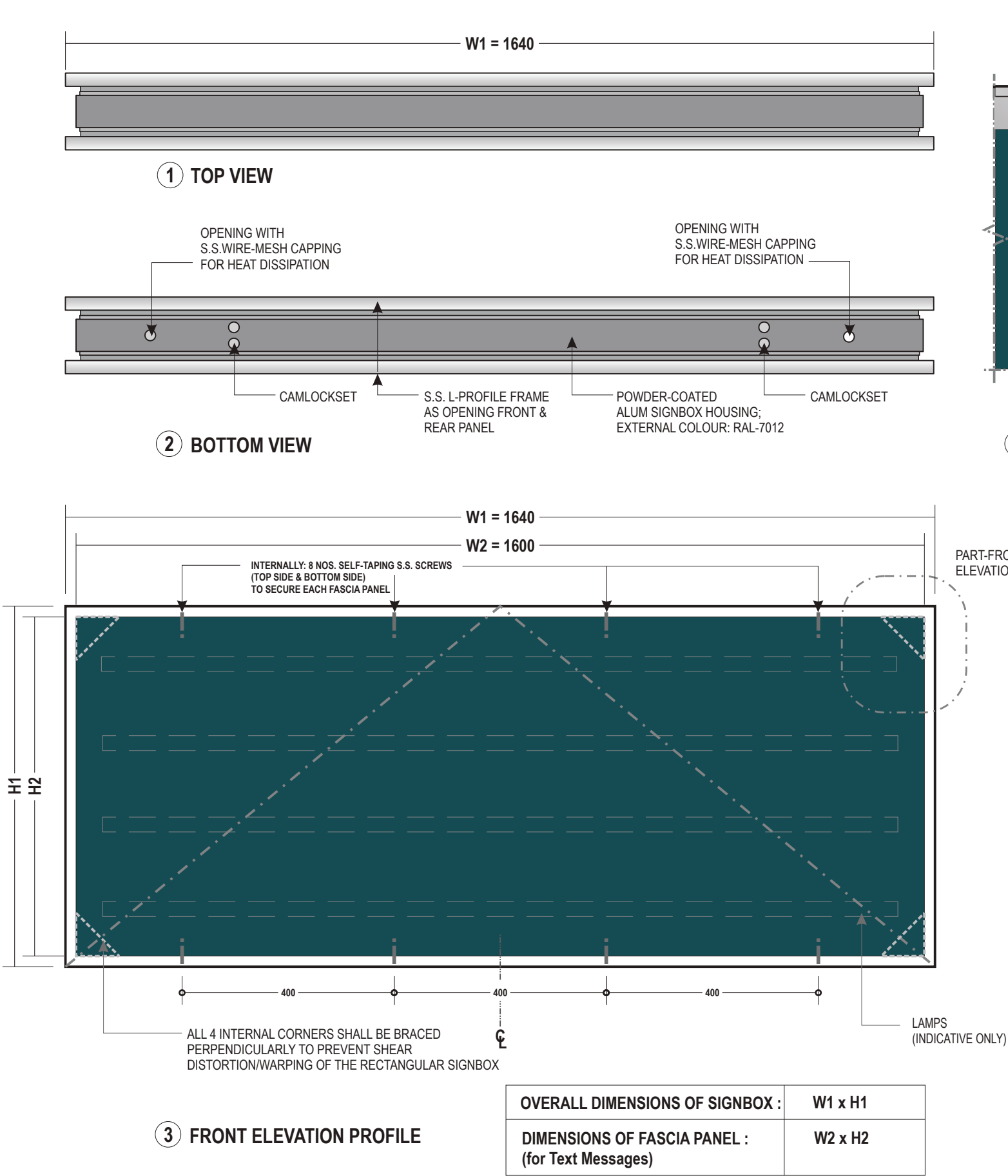


PART-SECTION SKETCH
EDGE DETAIL

Directional Signs

Primary Directional Sign
Sign Code: DP-series
DP Sigbox Elevational Details

Signbox Details
See illustrations
Also see section on DP Fascia Panel Details



Notes:

All design drawings are notional, indicating the design and visual intent & illustrate the mandatory geometry and exposed surfaces. they do not necessarily describe all details require for the full performance of the works.

Whilst the visual & design intent should not be breached, the contractor is responsible for developing the members & details in accordance with the design drawings, specifications, performance criteria & guidelines.

Where specific dimensions, details or design intent cannot be determined, the authority shall be consulted before proceeding.

All drawings shall be read in conjunction with the specifications and guidelines stipulated in the design guideline manuals, references manuals and other related documents.

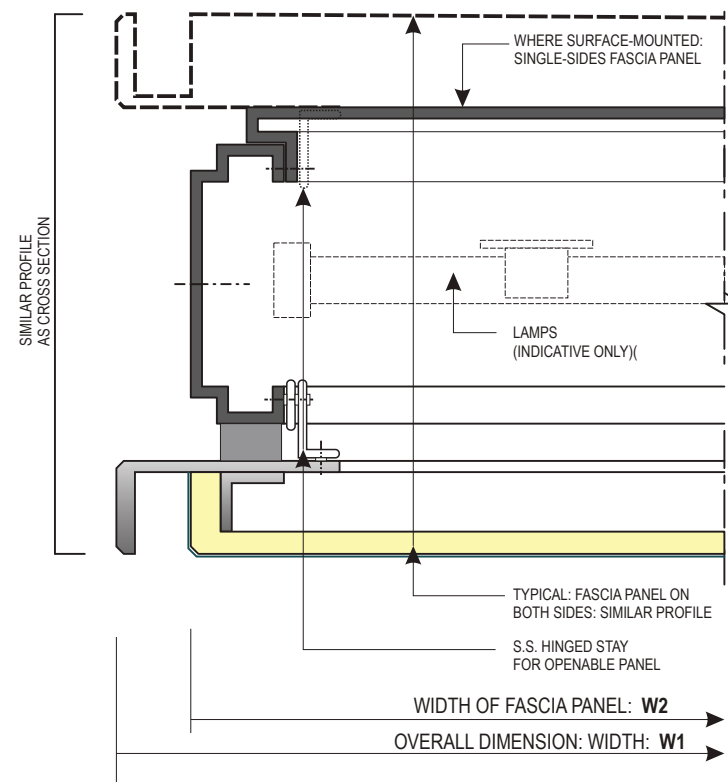
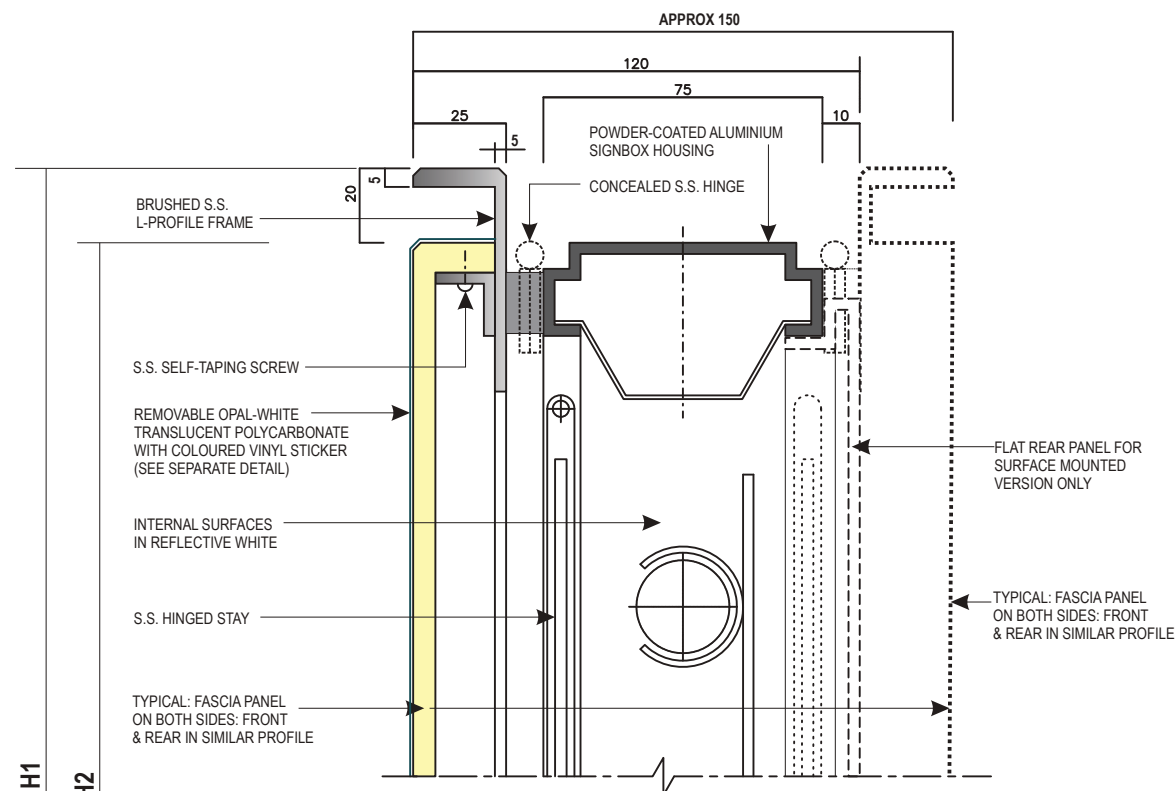
Site conditions, including dimensions shall be surveyed before installation/fabrication.

Directional Signs

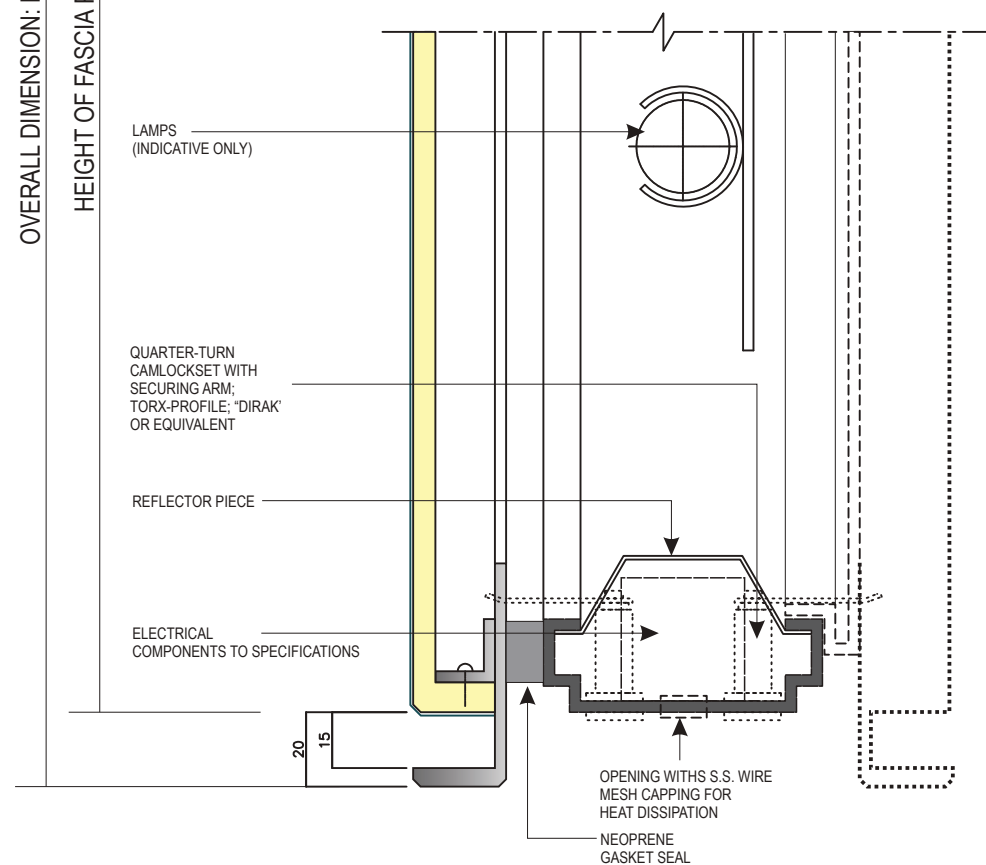
Primary Directional Sign Sign Code: DP-series DP Signbox Fabrication Details

Signbox Details

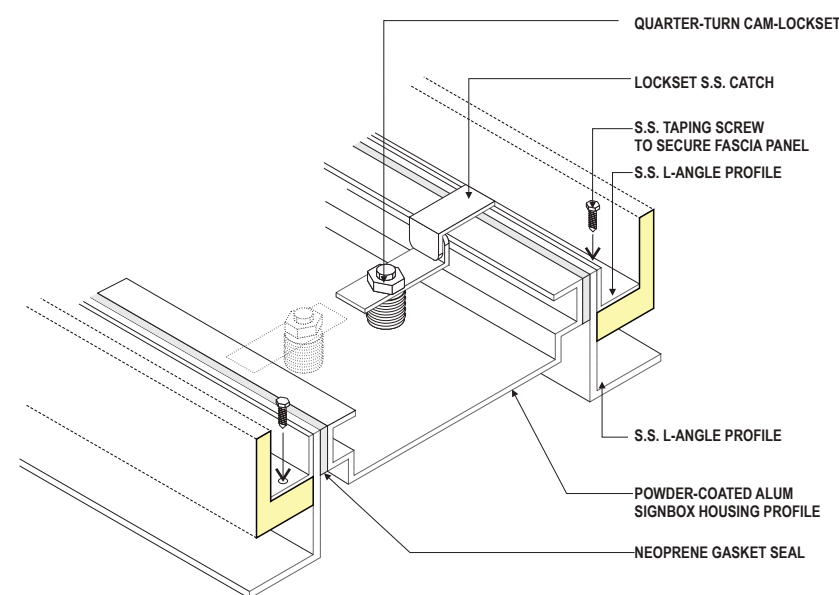
See illustrations
Also see section on
DP Fascia Panel Details
DP Elevational Details



② PART-LONGITUDINAL SECTION



① CROSS SECTION

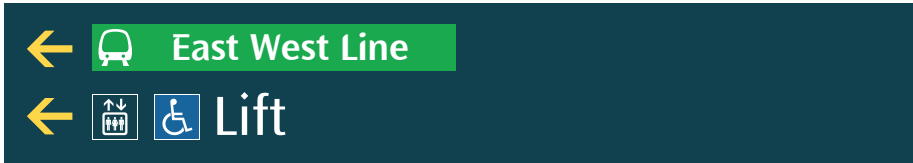


③ PERSPECTIVE SKETCH [INTERNAL; BOTTOM]

Notes:

All design drawings are notional, indicating the design and visual intent & illustrate the mandatory geometry and exposed surfaces. They do not necessarily describe all details required for the full performance of the works. Whilst the visual & design intent should not be breached, the contractor is responsible for developing the members & details in accordance with the design drawings, specifications, performance criteria & guidelines. Where specific dimensions, details or design intent cannot be determined, the authority shall be consulted before proceeding. All drawings shall be read in conjunction with the specifications and guidelines stipulated in the design guideline manuals, references manuals and other related documents. Site conditions, including dimensions shall be surveyed before installation/fabrication.

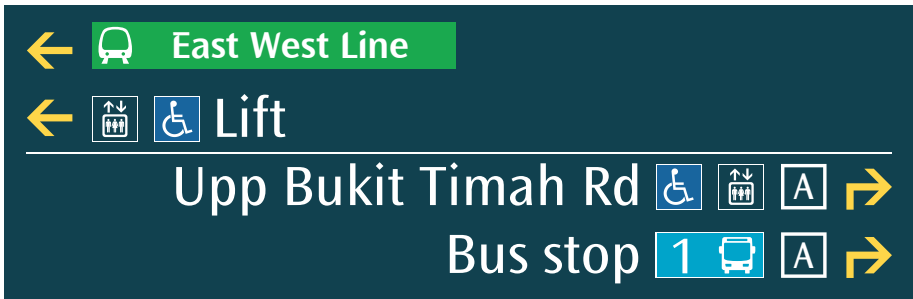
Primary Directional Signs Non-Illuminated - Sign Face



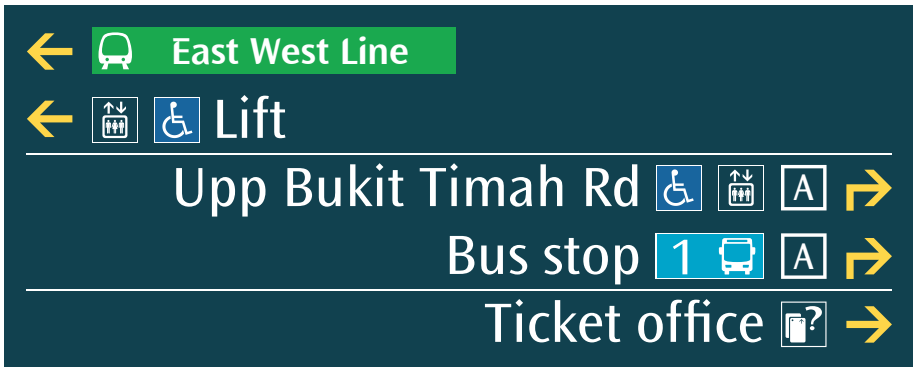
DP1(P)
2-Line Message
Size : 1600mm x 280mm



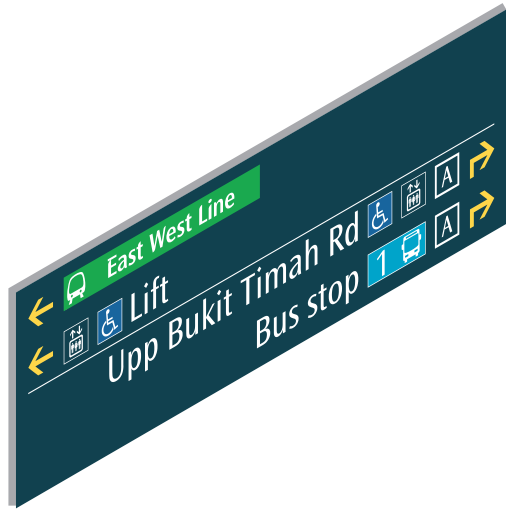
DP2(P)
3-Line Message
Size : 1600mm x 400mm



DP3(P)
4-Line Message
Size : 1600mm x 520mm



DP4(P)
5-Line Message
Size : 1600mm x 640mm



DP-series:
Non-illuminated Panel

Primary Directional Sign
Non-illuminated version
Sign Codes: DP1(P) / DP2(P) / DP3(P) / DP4(P)

These non-illuminated panels have the same display size as the illuminated ones; the convention of graphics application is also the similar.

Graphics and Artwork

Directional sign message on the left are for illustration samples only.

Materials and Construction

Digitally-printed graphics on vinyl sticker with matt overlamine against a backing of 2mm thick clear polycarbonate.

Where circumstances requires it to be more rigid and durable, e.g. ceiling hung versions, exterior - along covered linkways, environments with high risk of vandalism, and exposure to the weather elements, etc., the backing shall be 2mm thick anodised aluminium.

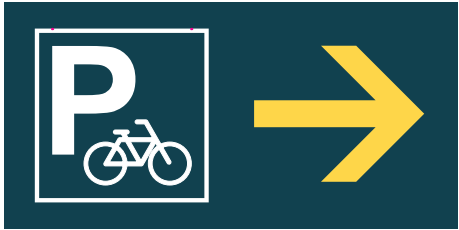
Secondary Direction Arrow Hierachy and Arrow Alignment



DS1
Size : 1200mm x 300mm



DS2
Size : 800mm x 300mm



DS4
Size : 600mm x 300mm

Note: Information graphics on DS signs are customized



DS-series:
Non-illuminated Panel

Secondary Directional Sign - Sign Code: DS-series

This directional sign supplements primary directional signs. They provide information and orientation to station facilities or exits.

Location and Application

- ✍ To ensure the best line-of-sight for commuters.
- ✍ Supplements primary directional signs where these may be full.
- ✍ At areas wherever commuters require orientation or information for wayfinding decision-making.
- ✍ At areas where primary directional signs are unable to be placed.
- ✍ At lifts, for information to floor levels.
- ✍ At low headroom areas, e.g. covered linkways.

Material and Construction

Sign is non-illuminated.

Sign-face Panel:

- ✍ Generally for surface mounting (wall):
 - ✍ Digitally printed graphics on vinyl sticker against a clear polycarbonate backing.
- ✍ Outdoor e.g. at covered linkways:
 - ✍ Digitally printed graphics on vinyl sticker against a aluminium backing;
- ✍ For restricted usage:
 - ✍ Digitally printed graphics on vinyl sticker, direct paste onto substrate e.g. glass.

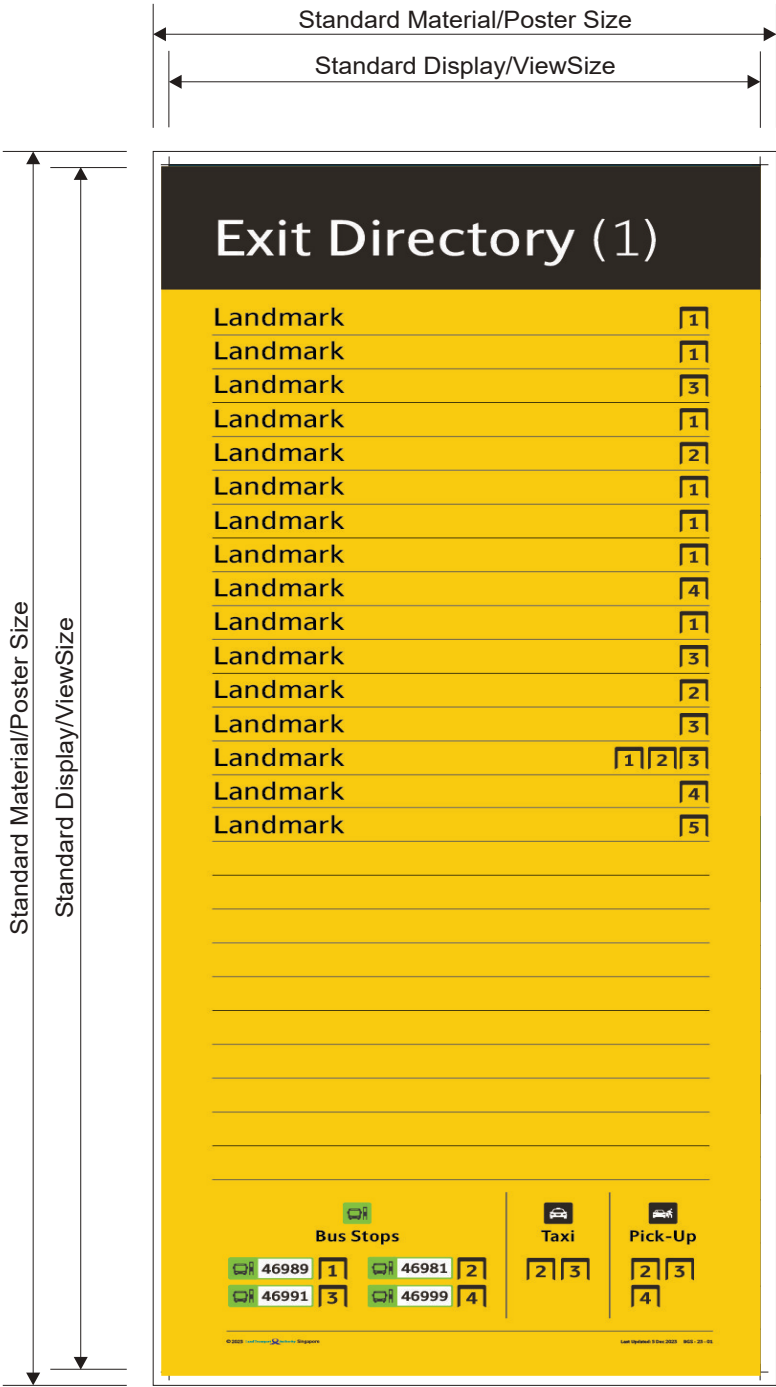
Mounting:

- ✍ Surface mounted onto the wall; appropriately with double-sided tape or screw/plugs depending on the wall finish & substrate; or vinyl sticker direct on smooth substrate
- ✍ Ceiling mounted with stainless steel rope and proprietary stainless steel fixing components;
- ✍ Circular structures: Galvanised steel bracket with 19mm stainless steel band/tie with buckle fixing; detailing shall prevent slipping and misalignment of sign.
- ✍ Other designed galvanised metal brackets to suit site conditions.

Artwork and Graphics

See illustration and separate drawings for details.

Exit Directory Sign - NP2(ED)



NP2(ED) - Exit Directory Sign
Standard Material/Poster Size: 580mm x 1180mm
Standard Display/View Size : 550mm x 1150mm



Exit Directory Sign - Sign Code: NP2(ED)

Exit Directory signs supplement locality maps and outbound directional signs with information relating to specific exits and their corresponding landmarks in a walking radius of approximately 400m.

There is a strict criteria for inclusion of landmarks. Please refer to a separate section.

Location and Application

At the concourse, facing outbound passengers discharging from the faregates, and always in association with locality maps.

Where stations have multiple branch-off exits along subways, additional Exit Directory signs may be placed close to decision points to give a recap for wayfinding assurance.

Material and Construction

Sign is illuminated.

Sign Poster:

Digitally-printed graphics on 0.25mm thick translucent polyester backlit film with compatible matt overlaminate. Others:

For some existing signboxes at the older stations which may be non-backlit, the printed media shall be white opaque vinyl with compatible matt overlaminate. For other unique applications without a signbox: Printed vinyl sticker with compatible matt overlaminate on a backing of 1mm thick polycarbonate; surface-mounted directly onto smooth wall finish.

Signbox:

Internal backlit, stainless steel framed signbox

Mounting:

Surface mounted onto wall or floor-mounted with supports Refer to separate drawing for details and specifications

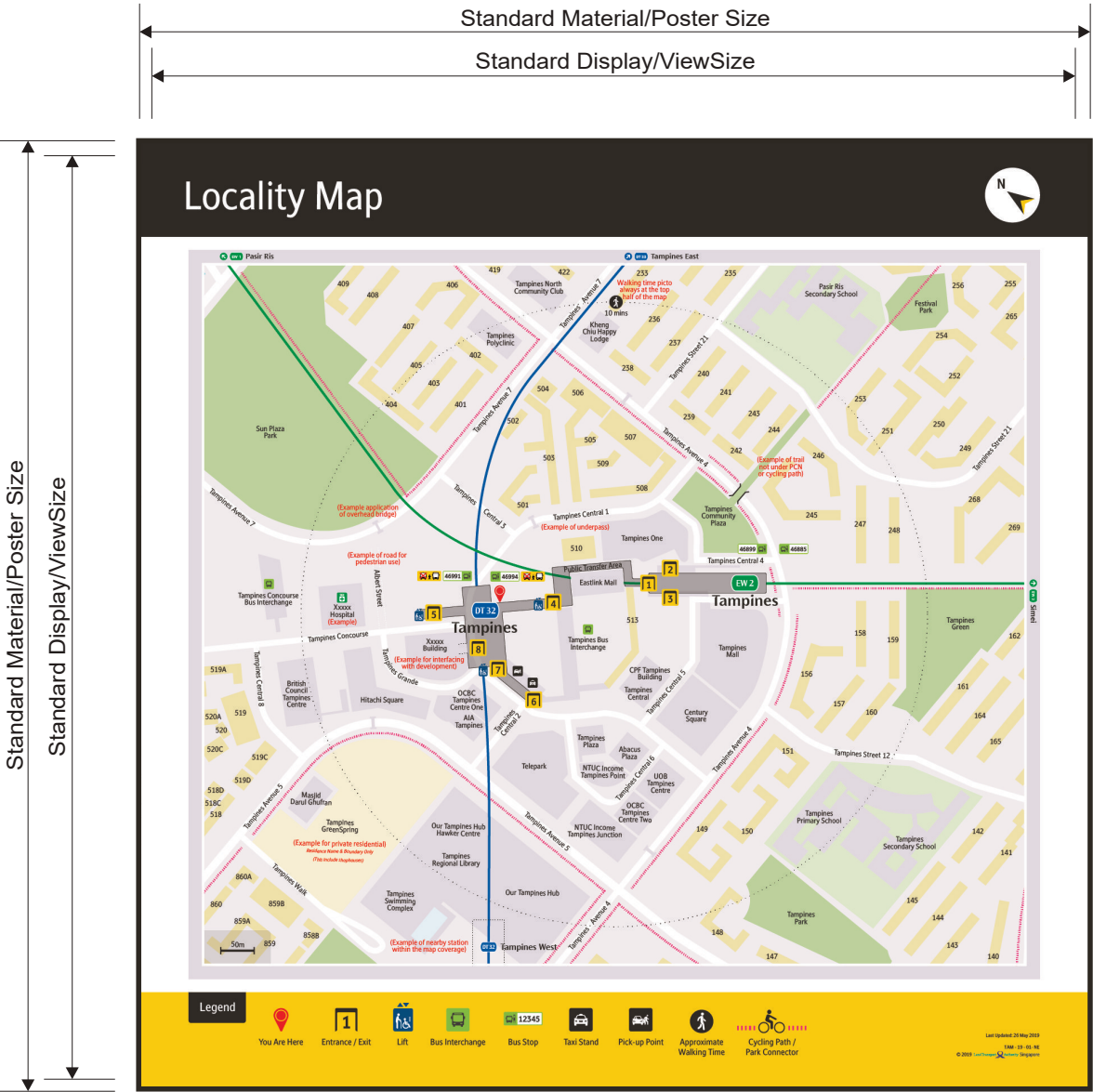
Artwork and Graphics

See illustration and separate drawings for details.

The reproduction of the graphic artwork must always be from a softcopy of the master layout.

The contractor shall type-set (including the multilingual station names) and layout the legend according to the graphical intent

Locality Map Sign - NP3(LM)



NP3(LM) - Locality Map Sign
Standard Material/Poster Size: 1180mm x 1180mm
Standard Display/View Size : 1150mm x 1150mm

Locality Map Sign - Sign Code: NP3(LM)

The Locality map similar to a street directory, provides information on surrounding area of the MRT/LRT stations in a radius of approximately 600m to 800m. It helps commuters in wayfinding and area orientation relative to the station.

Maps provided by the operators at bus interchanges are specialised maps showing the township and bus routes; these currently do not follow the graphic standards.

Location and Application

Placement must be within line-of-sight of and at the most useful location for commuters.

- At all the following locations at MRT stations**
- At entrances (under shelter)
 - Within unpaid concourse areas, facing out-going commuters
 - Within the platform level (as a cluster with other information signs)
 - At interchange stations: Within linkages between the MRT lines
 - At subways/underpasses within the station complex, e.g. those with multiple exits/entrances, those with multiple level transit

The designer has to assess the level of complexity of the commuters’ outgoing circulation; additional Locality maps may be placed for difficult wayfinding situations.

Material and Construction

Sign is illuminated.

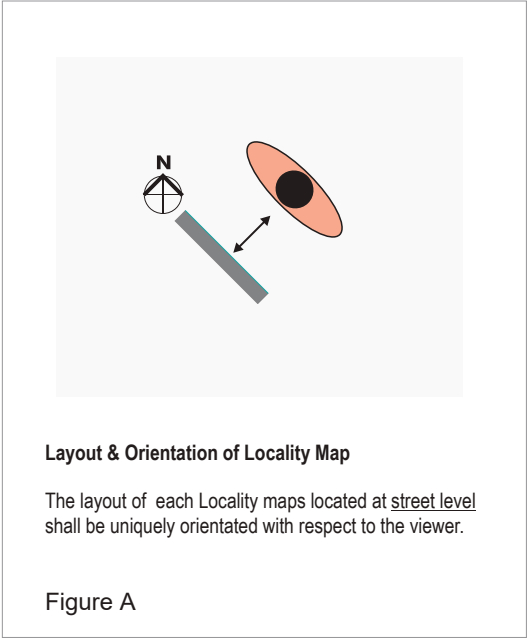
Sign Poster:
Digitally-printed graphics on 0.25mm thick translucent polyester backlit film with compatible matt overlaminate. For some existing signs at the older stations which may be non-backlit, the printed media shall be white opaque vinyl with compatible matt overlaminate.

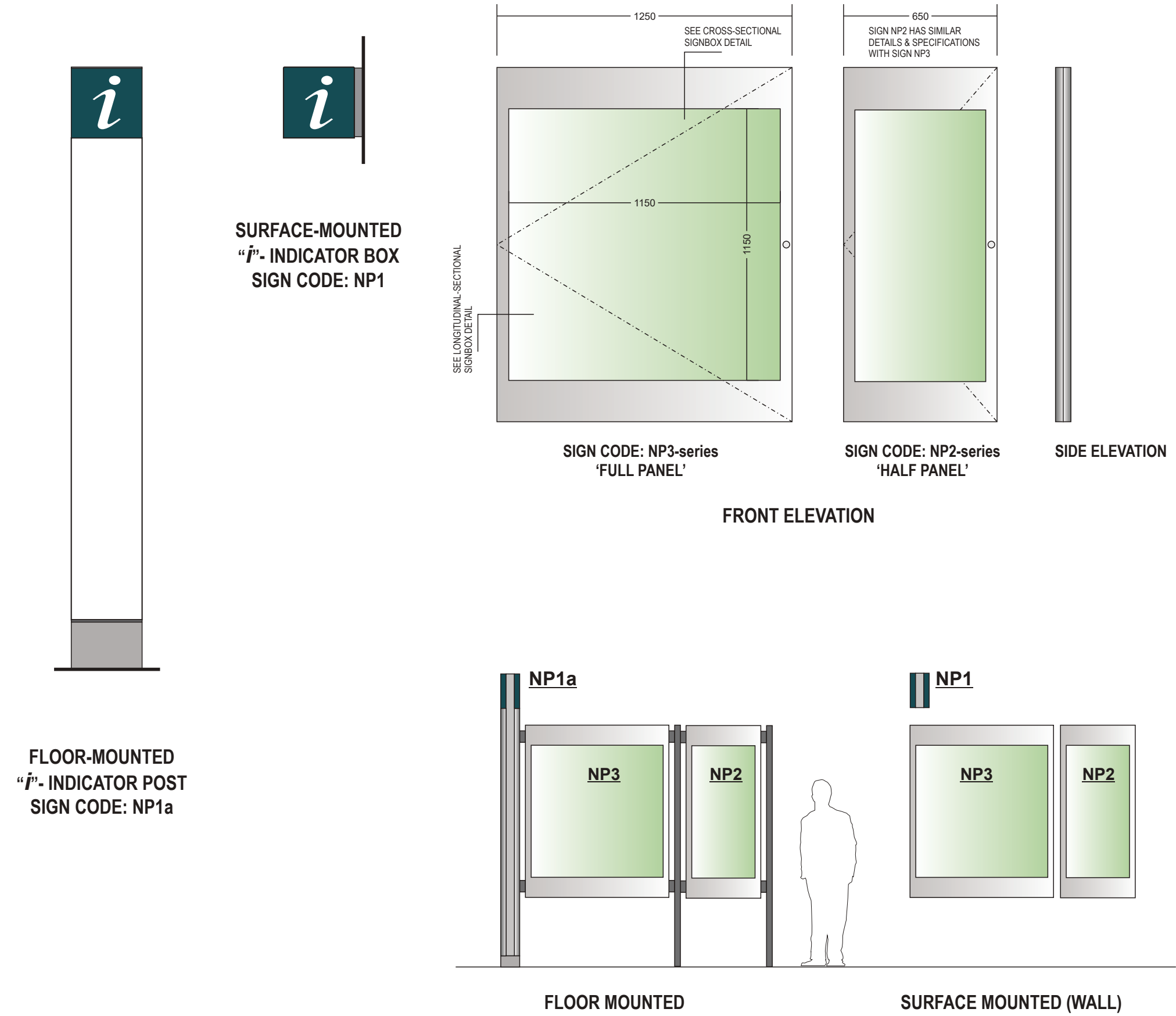
Signbox:
Internal backlit, stainless steel framed signbox

Mounting:
Surface mounted onto wall or floor-mounted with supports
Refer to separate drawing for details and specifications

Artwork and Graphics

See illustration and separate drawings for details.
The reproduction of the route map must always be from a softcopy of the master layout.
The contractor shall type-set (including the multilingual station names) and layout the legend according to the graphical intent





NP Sign Detailing -
Sign Code: NP3-series / NP2-series / NP1 & NP1a
Sign-box modular dimensions

- Information Sign Codes**
- Sign Code: NP3-series : Full-panel signbox
 - Sign Code: NP2-series : Half-panel signbox
 - Sign Code: NP1 : “i”-Indicator box (on wall)
 - Sign Code: NP1a : “i”-Indicator post (floor-post)

These signboxes are modular in design and construction

Information Signage Code - prefix:
Design and Construction of all the NP3-series is similar
Design and Construction of all the NP2-series is similar

Information Signage Code - suffix:
The suffix following the NP-series identifies the information type

Information Signage Code - suffix:
The suffix following the NP-series identifies the information type

- e.g. NP3(LM) refers to the Locality Map information
- e.g. NP3(SM) refers to the System Map information
- e.g. NP2(ED) refers to the Exit Directory information
- e.g. NP2(BT) refers to the Bus Transfer information

Material and Construction

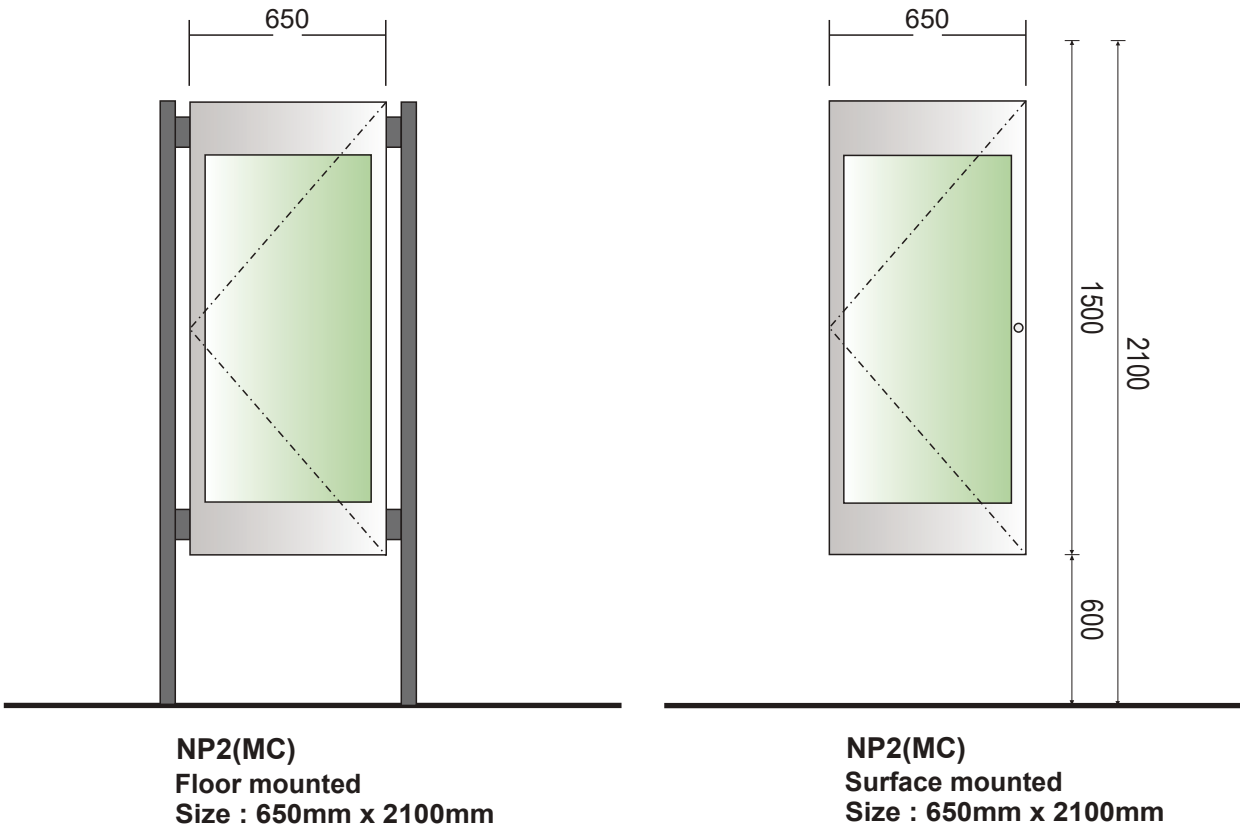
Sign is illuminated.

Illumination
At MRT/LRT stations, all NP3-series, NP2-series and NP1/NP1a are internally illuminated (backlit) signs. Electrical power supply is required.

Mounting
Floor-mounted (free-standing) with metal post;
Floor-mounted panel shall be not more than 50mm from any wall substrate clear glass panel (PTS's requirement); or
Surface-mounted (on wall finish) with metal brackets/holders anchored to the structural wall

Construction and Materials

LTA Marketing Comms Sign - NP2(MC)



LTA Marketing Comms Sign - Sign Code: NP2(MC)

The poster spaces will be use for public transport publicity and various LTA initiatives

Material and Construction

Sign is illuminated.

Sign-face Panel:
The poster sign is provided by LTA-marketing Comm

Illumination
At MRT/LRT stations, signs are internally illuminated (backlit) signs. Electrical power supply is required.

Mounting
Floor-mounted (free-standing) with metal post; or
Surface-mounted (on wall finish) with metal brackets/holders anchored to the structural wall

Construction and Materials
Refer to separate section



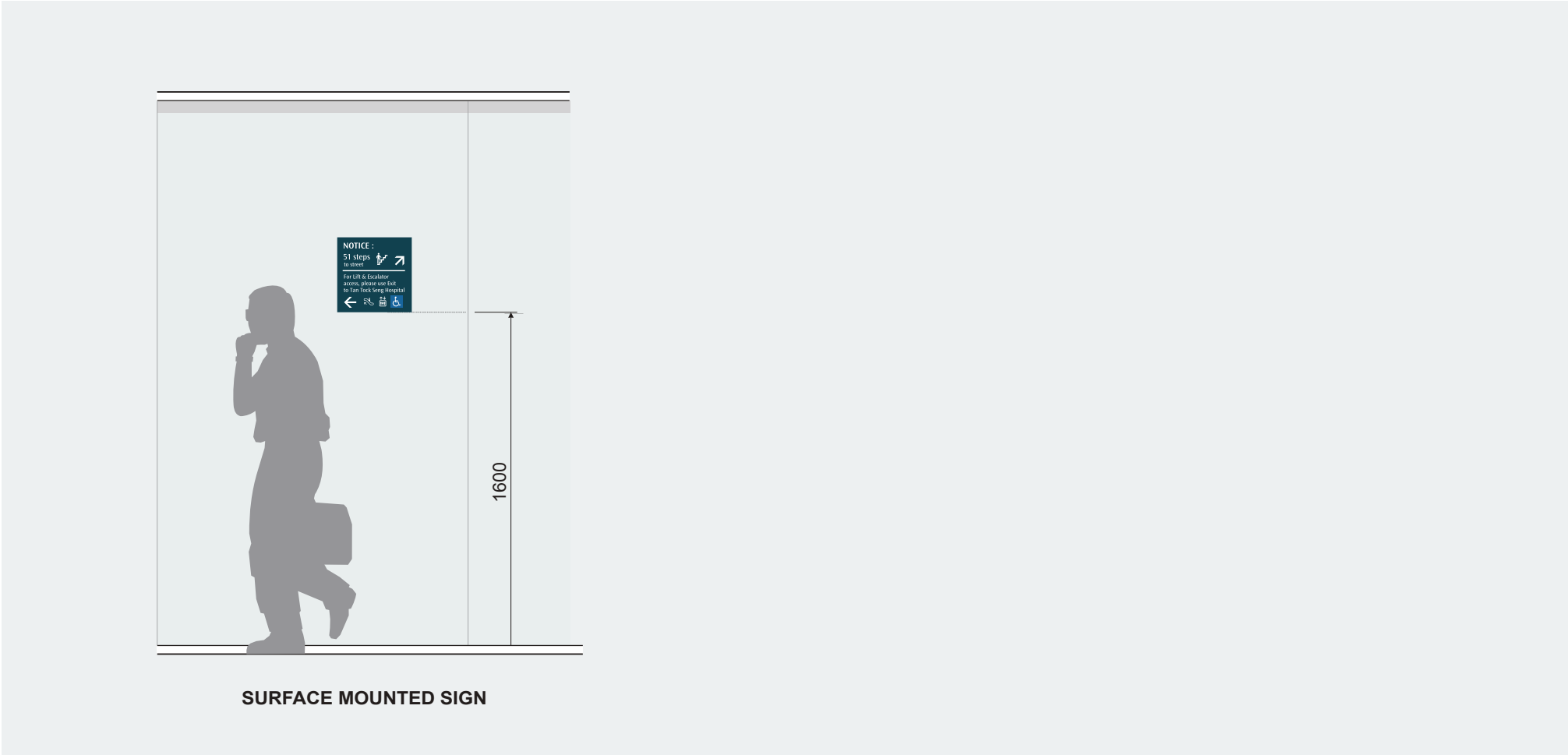
Notice Sign - NS



NS
Notice Sign (Sample 1)
Size : 300mm x 300mm



NS
Notice Sign (Sample 2)
Size : 300mm x 300mm



Notice Sign - Sign Code: NS

This notice sign present information that are basically non-transit in nature.
Actual information and graphics can be composed to suit the circumstances.

Material and Construction

Sign is non-illuminated.

Sign-face Panel:
Digitally printed graphics on 2mm thick non-reflective transparent polycarbonate.

Mounting:
Surface mounted:
Surface mounted onto the wall; appropriately with double-sided tape or screw/plugs depending on the wall finish & substrate; or vinyl sticker direct on smooth substrate

Artwork and Graphics

Top background in Rainforest Green PMS 316C, bottom background in white
Pictogram facilities in reversed out white
Text in Black
LTA Corporate Logo; Text in Green PMS 321C, Purple Ribbon in PMS 2745C

Prohibition Sign - PR series



PR1a
Single Prohibition Sign
Size : 150mm x 200mm



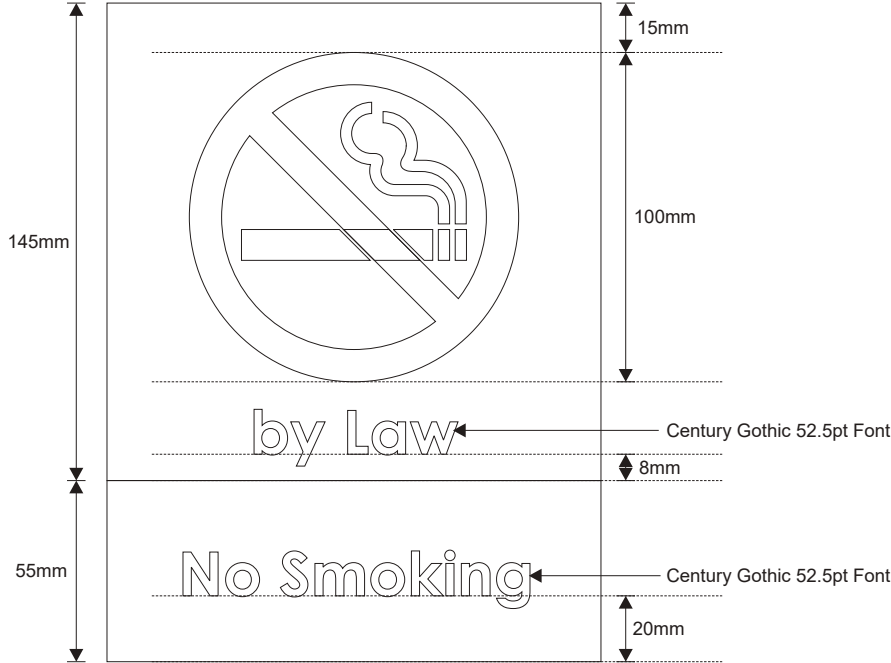
PR1b
Single Prohibition Sign
Size : 300mm x 400mm



PR3
3 Combination Prohibition Sign
Size : 450mm x 200mm



PR4
4 Combination Prohibition Sign
Size : 600mm x 200mm



PR4
4 Combination Prohibition Sign
Size : 300mm x 400mm

Prohibition Sign - Signcode: PR series

Pictograms used on a safety sign indicates that certain behaviour is prohibited.

Sign Fixing

To accommodate the different architectural environments into which the signage system will need to be applied, fixing details has been developed. These are:

Surface mounted

Material and Construction

Sign is non-illuminated.

Sign-face Panel:

Generally for surface mounting (wall):
Digitally printed graphics on vinyl sticker against a 2mm thick clear polycarbonate backing.

Outdoor:
UV Digitally printed graphics on vinyl sticker against a 2mm thick aluminium backing;

For restricted usage:
Digitally printed graphics on vinyl sticker, direct paste onto substrate e.g. glass.

Mounting:

Surface mounted:
On smooth wall finish: Industrial-strength double-sided tape.
On Plastered/Concrete wall: Stainless steel screws and wall-plugs.
On Circular Column/Post or Circular Ceiling structure: Use stainless steel buckle-tie and galvanised steel bracket (comply with Standard Details of Road Elements).
On other metal surfaces: Self-taping stainless steel screw or rivet.

Artwork and Graphics

Sign background in white
Fine text in red PMS 485C
Prohibition band in red PMS 485C
Pictogram in black
Prohibition text in white on red PMS 485C background

Note: The graphics on the signs are illustrative only; actual graphics to be generated from original templates from the Authority.