



APPENDIX B
Coastal Pathway Signage Style Guide

DRAFT B JUNE 2016



COASTAL PATHWAY Signage Style Guide Appendix B

DRAFT B – 2016

Sunshine Coast
Council

COASTAL PATHWAY
SIGNAGE STYLE GUIDE
RFG 20802/2

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INTRODUCTION

The aim of this project is to develop a signage guidelines manual that will assist all users including walkers, runners and cyclists on the Coastal Pathway. The pathway runs for 90 kilometres over the Sunshine Coast and will connect the different coastal towns and regions.

While these areas will have their own urban characters it is intended that the pathway signage system is a consistent element that threads these locations together. The new signage will also replace or upgrade the 3 different suites of signs developed by the 3 previous councils.

The Coastal Pathway will link Tewantin township in the north with Pelican Waters (Bells Creek) in the south. It covers both off-road and on-road environments, and split path networks (i.e. bicycles and pedestrians directed to different paths).

The manual describes the principles of the Wayfinding strategy, details of the various sign types required, followed by visual graphic standards and construction standards. A range of sign types has been developed for pedestrian and cyclist wayfinding only. Sign types include mapping, directional and regulatory information.

It is important that the signage manual be strictly followed to maintain consistency throughout the Coastal Pathway.

Any questions or special requirements must be referred to either Transport and Engineering Services or Parks and Gardens.

A WAYFINDING STRATEGY Characterisation of pathway Framework for wayfinding Typical site analysis Supplementary sign types	Page

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CHARACTERISATION OF THE PATHWAY

Connection identification

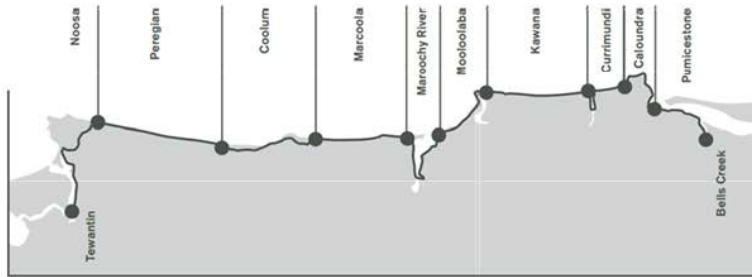
The 90 Sunshine Coast Council logo
 The Logo should be reproduced on maps only. When using the map for printed collateral such as brochures, then the logo is to be accompanied with the phone number and web site. kms has been divided into 10 coastal zones. Each zone will be identified as a 'Connection'.

Connections lengths are appropriate for recreational outings such as a one day walking or casual cycle experience.

The start and finish of each Connection is determined by the location of existing nodes that are associated with activity centres, public transport and public car parks. These nodes will act as trail heads.

1 Pathway / 10 connections

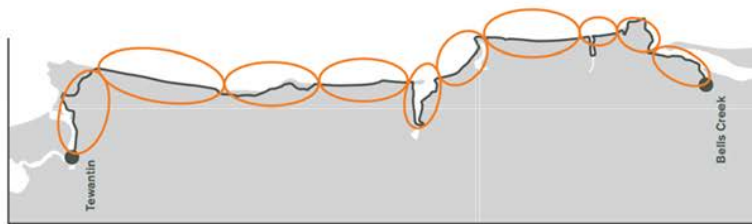
- Assists in connectivity throughout the region.
- Promotes the notion of a 'community of communities'.
- Develops ownership of local areas.
- Spatial organisation for mental mapping of the network.



Connections



Major nodes



Spatial organisation



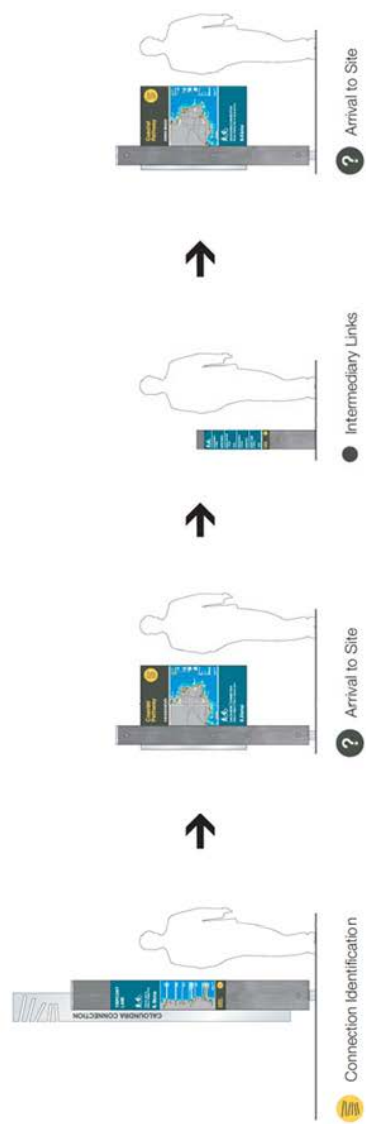
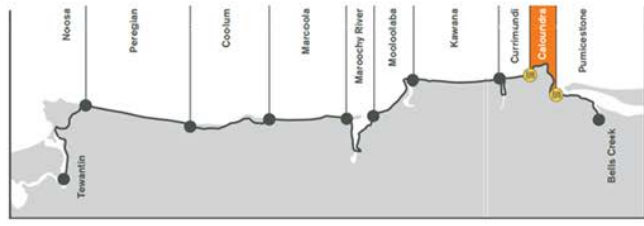
1 Pathway

FRAMEWORK FOR WAYFINDING
 The wayfinding strategy is based on typical patterns of movement along the pathway by the user groups.
 The key principle is based on users navigating between landmarks and/or places of interest.

Connection Identification
 At either end of each connection, an identification sign is located to act as trail head providing start and end points. The signs also promote connectivity between each of the 10 connection zones.

Arrival to site
 Information arrival signs are provided at main gathering nodes along the pathway. These nodes are typically located at prominent landmarks and destinations. The majority of users will typically enter the pathway at these locations. The users will then proceed north or south from these points.

Intermediary links
 Between key arrival nodes – secondary landmarks, major intersections or places of interest where users may also enter system are then identified. At these locations distance identification signs are provided to connect the arrival nodes.



TYPICAL SITE ANALYSIS

Identifying locations for site arrival

Within each Connection it is important to understand how users arrive to the pathway.

Arriving by car

Most people arriving by car will park in public car parks. Public car parks are typically found within activity centres and near main destinations and landmarks such as patrolled beaches, parks, lookouts etc.

Arriving by public transport

The majority of public transport set downs and pick ups are generally located within activity centres and prominent public spaces.

Tourists

Accommodation precincts are typically found in close proximity to the coastline and main activity centres.

By foot or bicycle

Users immediate to the area will generally arrive via their closest access point. These points can be small open spaces such as parklands, beach access paths and streets.

Analysis studies

- Step 1 - Analysis of key areas
- Step 2 - Identify main gathering nodes
- Step 3 - Identify optimal location within each node



- Prominent public spaces/ landmarks/ destinations
- Business and activity centres
- Tourist accommodation precincts
- P Major public car parks

SUPPLEMENTARY SIGN TYPES

The schematic study illustrates the strategy for the placement and content of supporting sign types. This group of sign types is to supplement the major Wayfinding sign types.

Should regulatory information be required, use discretion as to which sign type the information should be included so as not to create too many signs in parks. The preference is to include permitted activities.

Directional sign

Locations where there is possible ambiguity in the route, including major junctions and open areas. Also at pathway exits to the surrounding street network (promotes safety and connectivity to community).



Warning information sign

Locations where there is a change in pathway conditions that may endanger the user. Also at locations where information is required to make aware certain conditions that may effect some user groups.



On-road identification sign

To be located on the main road network to direct and identify the pathway. To be used in conjunction with traffic signs and hardware.



<h1>B</h1> <h2>GRAPHIC STANDARDS</h2> <ul style="list-style-type: none">TypefaceType detailingPictograms - standard facilitiesPictograms - servicesArrowsNomenclatureColoursMap standards - site arrivalMap standards - connections	

TYPEFACE

Although Sunshine Coast Council's corporate typeface is Arial, the typeface Berthold Akzidenz Grotesk has been selected and approved to be used in all signage within this document. Typographical qualities of Berthold Akzidenz Grotesk include broad characters, large lowercase x-heights, generous ascenders and descenders, even stroke widths and adequate counter spaces within the bowl of the circular letterforms. These characteristics provide for very good legibility when read on signage within the urban landscape.

Font files can be sourced from either Civil Works Services (Anthony Heir) or Media and Public Relations (Joseph Stevenson).

Regular

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

1234567890

Berthold Akzidenz Grotesk Regular

Medium

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

1234567890

Berthold Akzidenz Grotesk Medium

TYPE DETAILING

Type size

Text size on all signs has been determined based on ideal viewing distances and should be adhered to wherever possible. Each sign type drawing has documented the heights which relate to the particular use of each sign. Refer to the sign type drawing for further detail.

Cap X-height

For accuracy in layout of text on signs, the height of the capital letter 'X' should be used instead of the point size of the font. This measurement is always shown in millimetres unless otherwise stated.

Letterspacing

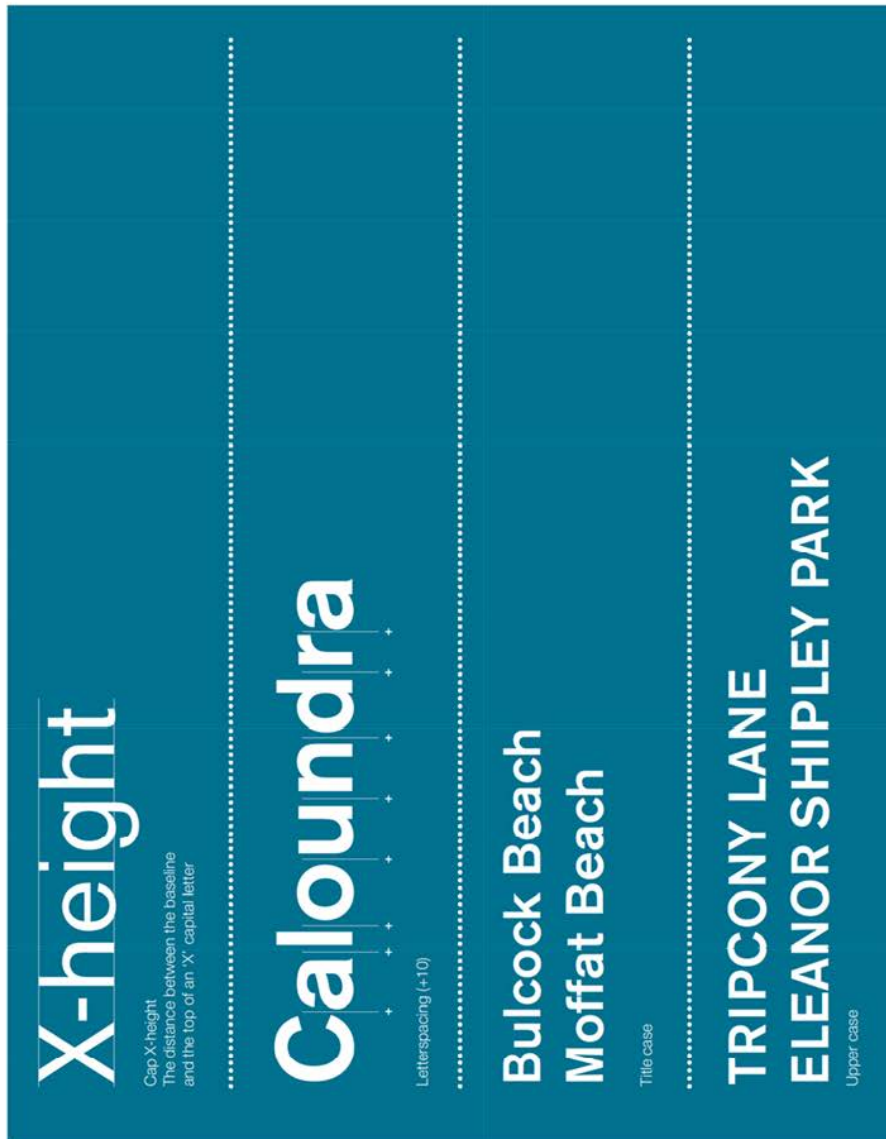
Letterspacing adds space between letterforms to open up text. The addition of minimal letterspacing can increase the legibility, and readability. Added whitespace around the characters allows the individual characters to emerge and be recognized more quickly.

Title case

Title case is to be used when identifying a destination, facility or locality.

Upper case

When uppercase is to be used, this will be specified as part of the design on the relative sign type drawing. Refer to sign type graphic layouts for when to use upper case.



**PICTOGRAMS AND SYMBOLS
 STANDARD FACILITIES**

Pictograms should be used to identify specific services and facilities. The use of easily recognised international pictograms enables the signs to communicate to a diverse multicultural audience. All pictograms should be supported by English text where possible. The pictograms are from the suite known as International Symbol Signs System, developed by the American Institute of Graphic Arts (AIGA) and Society of Environmental Graphic Design (SEGD). This suite of pictograms was developed to bring some order to the proliferation of pictograms being used by many different international organisations. This suite has been adopted in many countries and are recognised world wide. These pictograms are in line with international standards and can generally be understood as stand-alone messages. When used, pictograms should be scaled proportionately. All pictograms should be used with discretion, as over-use may lead to visual clutter, and confusion. Pictograms for use on all directional, identification and information signs are as illustrated. The text label shown below each pictogram is used for identification purposes. It should not be used together with the pictogram on a sign.

Council will supply a link to the pictogram and symbol library on the intranet. Alternatively contact Civil Works Services (Anthony Heir).

Safety

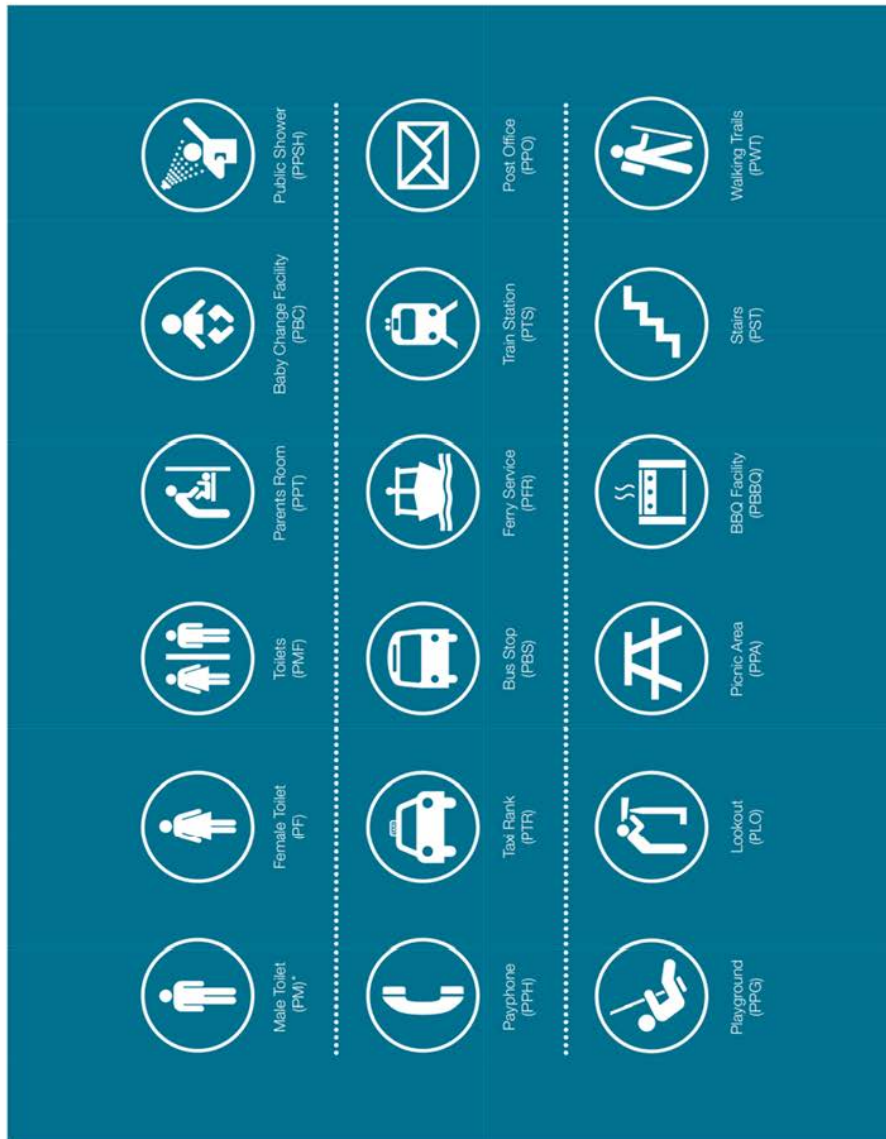
If safety pictograms are required, refer to AS 1319 Safety Signs for the Occupational Environment. For clarity, prohibitive pictograms are designed with the red line behind the symbol.

Colour swatches

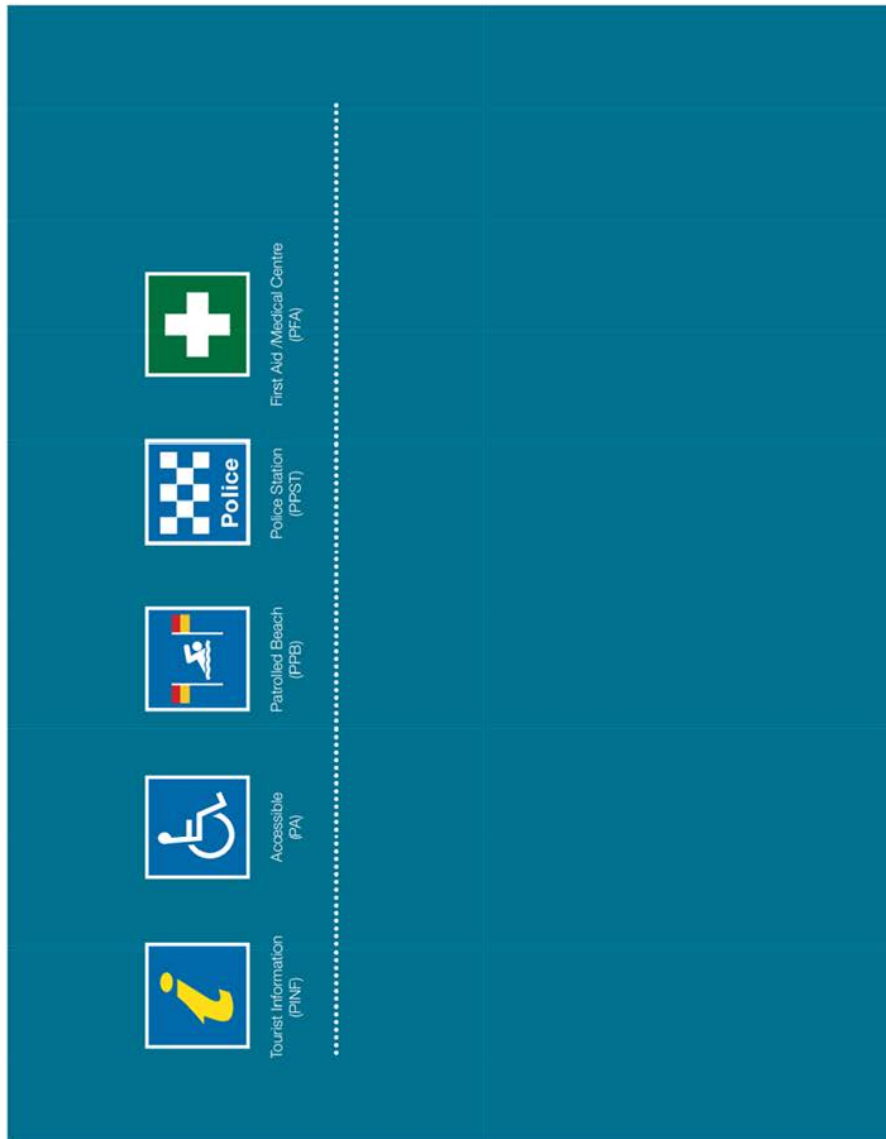
White symbol and stroke on PMS 315C

Supplied artwork

All pictograms to be used as per .eps standards. Never attempt to re-create pictograms.



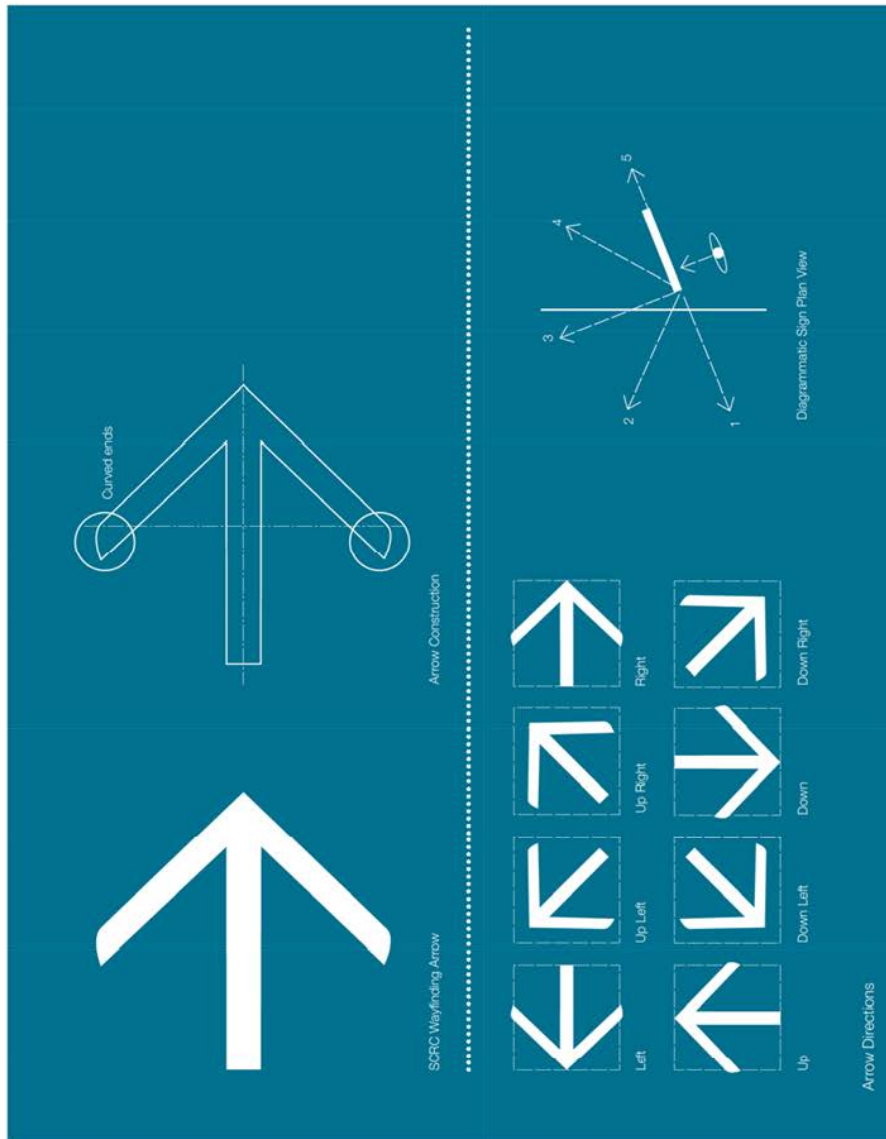
* Represents individual code for each pictogram. To be used when ground truthing and specifying on sign schedules.



PICTOGRAMS AND SYMBOLS

SERVICES

- Tourist information**
 PMS 109C symbol
 PMS 2945C Background with White stroke
- Accessible**
 PMS 2945C Background with White stroke
 White symbol
- Patrolled beach**
 PMS 136C and PMS 186C Flags
 PMS 2945C Background with White stroke
 White symbol
- Police station**
 PMS 2945C Background with White stroke
 White symbol
- First aid / Medical centre**
 PMS 394C Background with White stroke
 White symbol



ARROWS

Standard arrows

Arrows play a major role in Wayfinding. To fulfil their purpose in the most effective manner, arrows must be used consistently. A specific arrow type has been chosen to complement the font Berthold Akzidenz Grotesk. This arrow type should be used in all directional signs.

Arrow directions

Up pointing arrow is used to direct forward. Right and Left pointing arrows direct to destinations that require pedestrians to turn right or left, either at the sign or immediately after the sign. Diagonal arrows direct diagonally up or diagonally down when located next to stairs or ramps. In other locations they direct diagonally ahead. Diagonal arrows may never be used to direct diagonally backwards. Down pointing arrow should only be used when the sign is above the destination.

Arrow bounding box

A square bounding box has been included in these arrow drawings as guides for the correct alignment of arrows and text. Note that the horizontal and vertical arrows extend beyond the box boundaries. After setting arrows and text, when it is no longer required, remember to remove the bounding box from the graphic layout.

Arrow size

The ratio between the size of the arrow and the text it is associated with must always be maintained. This will be specified as part of the design on the relative sign type drawing.

Arrow usage

A single arrow is required for each direction, not for each destination.

Supplied artwork

All arrows to be used as per .eps standards. Never attempt to re-create arrows.

NOMENCLATURE

Nomenclature relates to the wording of the signs, as well as the tone of the messages. It is to be applied consistently throughout the Pathway.

This vocabulary needs to be used consistently not only on the signs, but also in all communications and web sites.

1.25m
5.3km
Lookout
Taxi Rank
Toilets
Telephone
Typical messaging for generic destinations

Dicky Beach
Moffat Beach
Tooway Creek
Eleanor Shipley Park
Moffat Head
Wickham Point
Always provide the full (correct) name when identifying a specific landmark or destination

Noosa
Peregian
Coolum
Marcoola
Maroochy River
Mooloolaba
Kawana
Currimundi
Caloundra
Pumicestone
Connection names for Map sign panels




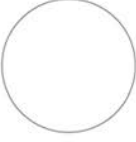
COLOURS

Coastal pathway brand

The 'boardwalk' mark and type is always to be PMS 122C Yellow on Dulux Woodland Grey.







Sign panel

Graphics to be White on PMS 315c background. When using vinyl White to be specified as Avery White Matt.

	Dulux Woodland Grey PMS 425C
	PMS 122C
	PMS 315C
	White

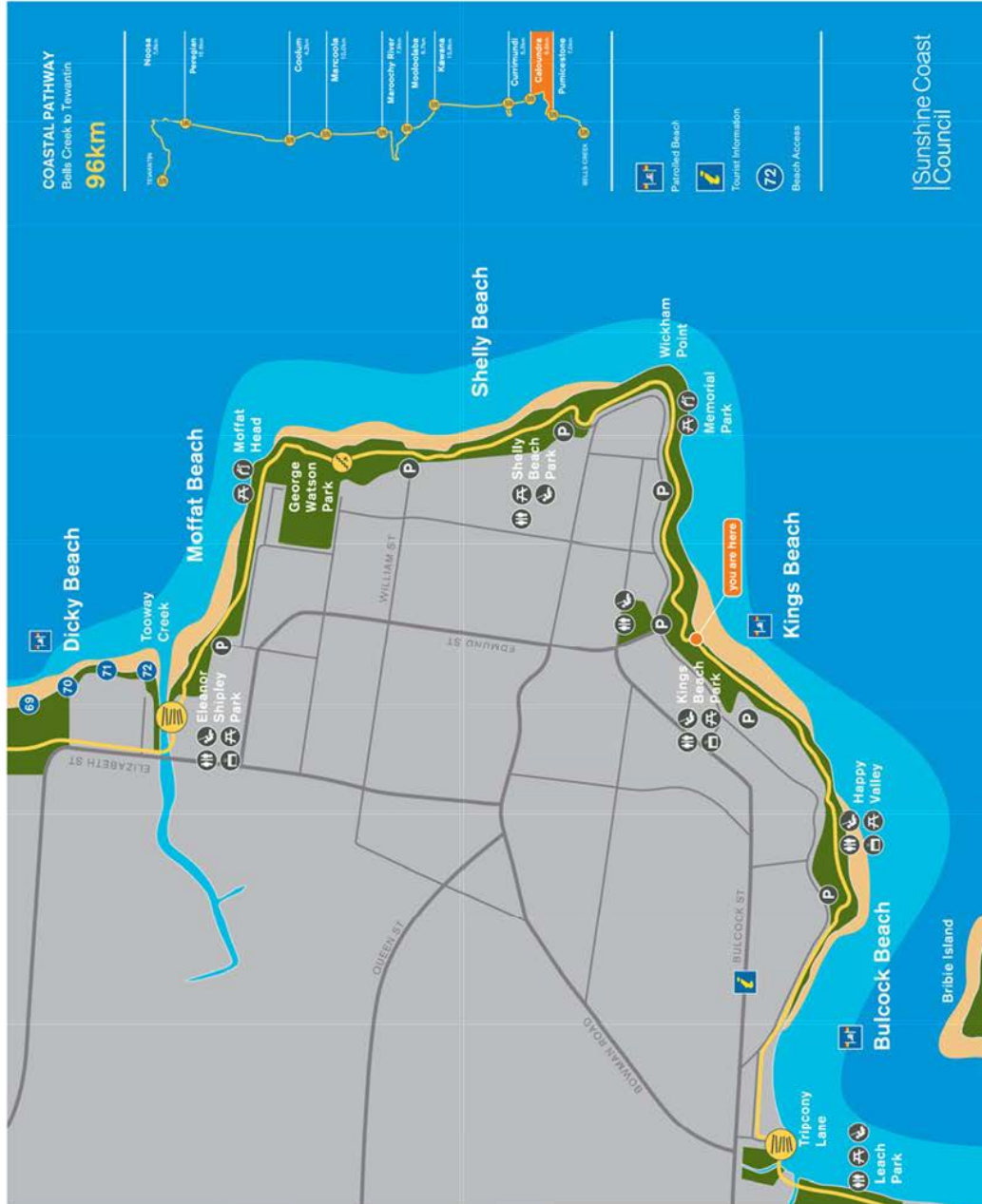
Coastal Pathway Branding Colours

Sign Panel Colours

	PMS 2925C
	PMS 306C
	PMS 7509C
	PMS 371C
	PMS Grey 6C
	PMS Grey 10C

Map Colours

	Interpon Anodic Silver Low Sheen
	Feature Blade Colour



MAP STANDARDS

Site arrival map

Maps on signs should be orientated to suit the direction the viewer is facing. This map is made up of two elements:

- (i) You Are Here Map
- (ii) Contextual Map with Legend and Logo

Both elements are to be used together when developing maps for the Site Arrival signs.

This map is pedestrian focused and is to encompass the geographic area of the key urban precinct within the town or city. The following is to be shown:

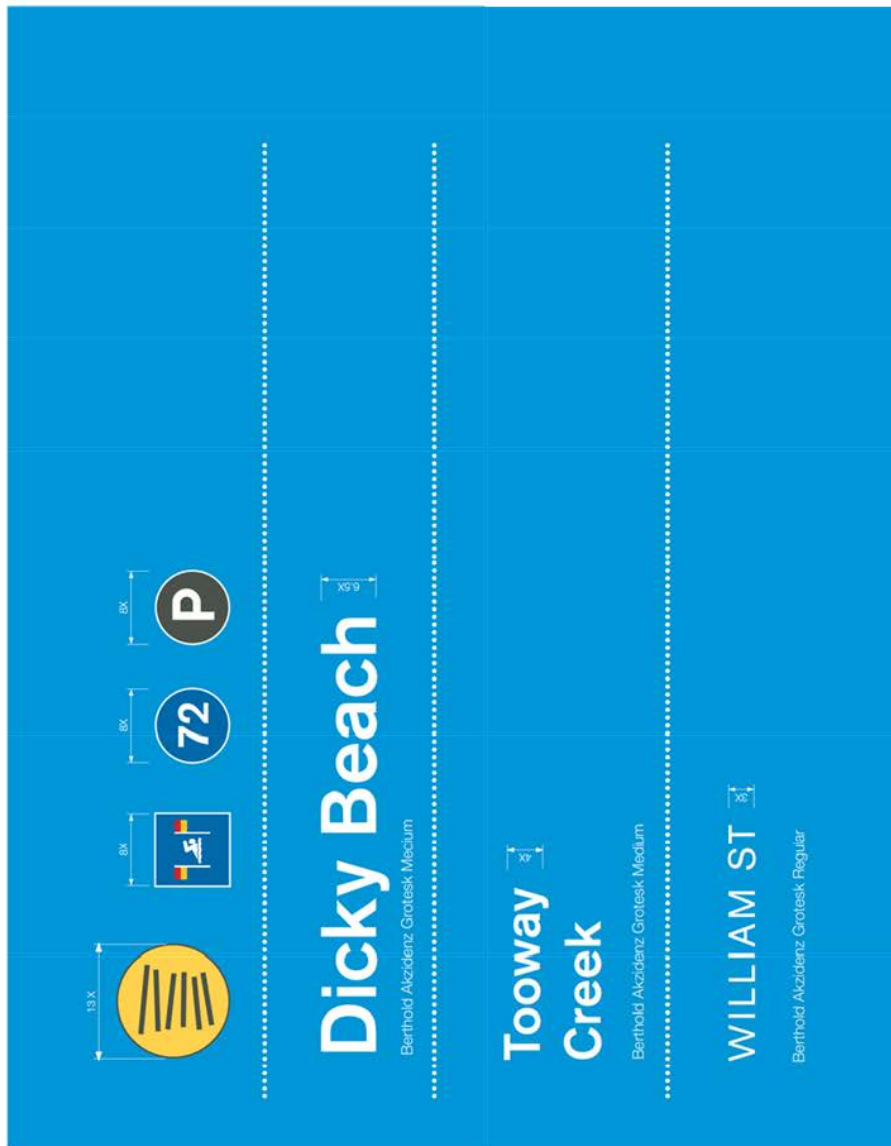
- You are Here locator
- Coastal Pathway
- parks and greenspace along the pathway
- beach areas along with elements of the ocean
- lakes, rivers and creeks
- primary networks roads and secondary streets and lanes
- all Council facilities and assets with pictograms
- transport hubs with pictograms and message

Site arrival map

Where a beach is patrolled by Surf Life Saving Queensland – The (PFB) pictogram should be located on the map above and left, justified with the beach name.

Sunshine Coast Council logo

The Logo should be reproduced on maps only. When using the map for printed collateral such as brochures, then the logo is to be accompanied with the phone number and web site.



MAP STANDARDS

Site arrival map

Text and pictogram guides

Refer to adjacent diagram showing proportion and hierarchy details.

Typical overall sizes

The geographic shape and extent for each pathway Connection across the region will differ, therefore scales of map will also differ. The rule is to select the Connection with a small extent of the pathway to the north and south shown. This area is to be scaled to the height of allowed sign panel. This will provide consistent map scales across the region.



Connection distances are indicative only
 Final distances to be confirmed

MAP STANDARDS

Connection map

These maps are to be used on the Tier 1 Connection Identification Signs.


Maps on signs should be orientated to suit the direction the viewer is facing. This map is to show the following:

- (i) Overall pathway from Tewanita to Bells Creek
- (ii) All ten Connections
- (iii) The connection you are entering

The trail head or point of sign location is to be shown as an orange marker with remaining trail heads in yellow.

Sunshine Coast Council logo

The Logo should be reproduced on maps only. When using the map for printed collateral such as brochures, then the logo is to be accompanied with the phone number and web site.

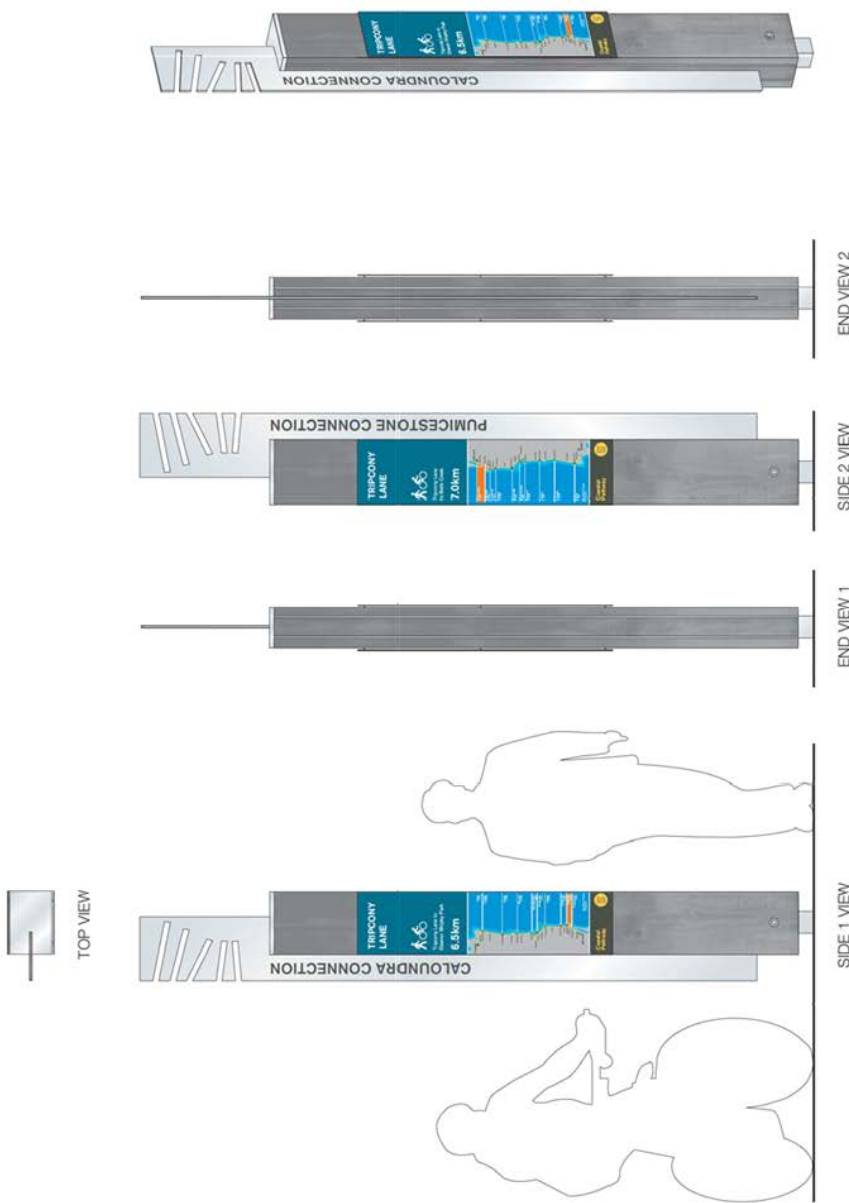
	SIGN TYPES
Sign type summary	
TIER 1 Wayfinding signs	
1.1 Connection identification sign	
1.2 Arrival information sign	
1.3 Distance marker identification sign	
TIER 2 Supplementary signs	
2.1 On road marker sign	
2.2 Directional sign	
2.3 Warning information sign	
2.4 Activity measurement sign	



TIER 1 WAYFINDING SIGNS
 Sign type 1.1
 Connection identification sign
 Sheet 1 of 3

WSP | PARSONS | BRINCKERHOFF

WSP | PARSONS | BRINCKERHOFF



Typical Elevations
 Scale 1:20

Issue A • Date 27.01.2012

Page 2

TIER 1 WAYFINDING SIGNS
 Sign type 1.1
 Connection identification sign
 Sheet 2 of 3

Unless otherwise noted, all dimensions in millimetres. Use figured dimensions in preference to scaling. Contractor to confirm all dimensions and details on site prior to manufacture.

Signmaker to confirm all details for approval on shop drawings prior to manufacture.

Due to this reproduction process the colours in this image are not exact representations of the final product.

GRAPHIC LAYOUT DETAILS

Font
 Connection Name = Akzidenz Grotesk Medium
 Connection Terminus = Akzidenz Grotesk Regular
 Distance = Akzidenz Grotesk Medium

Colour
 HEADER PANEL
 2 pic painted background with vinyl graphics over.
 Background = PMS 315C
 Graphics = Avery White Matt 920
 Shared path pictograms = Avery White Matt 920

MAP PANEL
 Full colour digital print onto polymeric vinyl and out to outer shape of map panel (290 x 550mm).

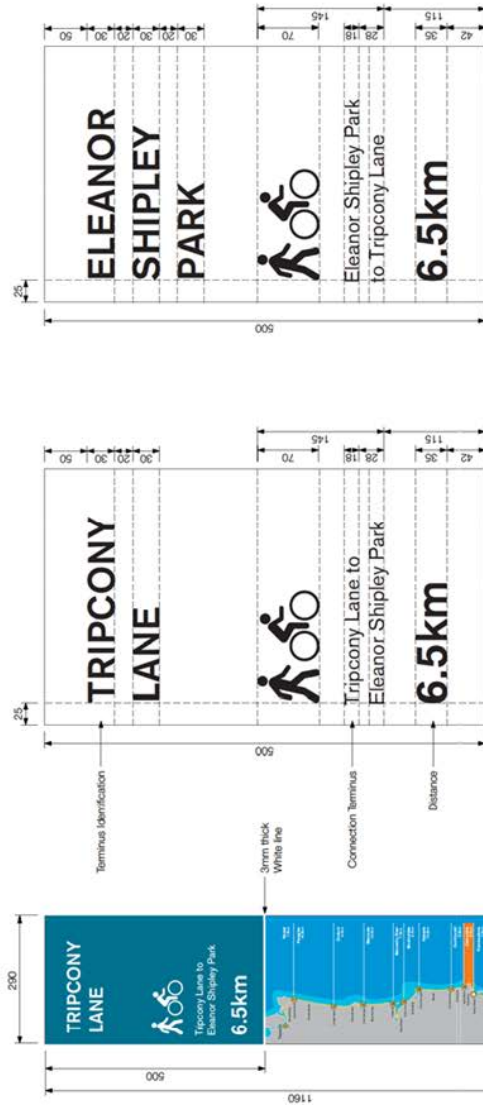
FOOTER PANEL
 2 pic painted background with vinyl graphics over.
 Background = Colorbond Woodland Grey
 Coastal Pathway = PMS 122C

Finish
 ANTI-GRAFFITI
 Option (i) = Sain 2 pack paint finish with anti-graffiti spray clear coat finish applied all over sign panel.

Option (ii) = 290 x 1160mm clear DuPont "Tedlar" SP polyvinyl fluoride film with low gloss finish laminated over full sign panel.

ALTERNATIVE GRAPHICS OPTION

FULL COLOUR DIGITAL PRINT
 290 x 1160 full colour digital print (including Header, Map and Footer panels) onto polymeric vinyl with anti graffiti polyvinyl fluoride film over.

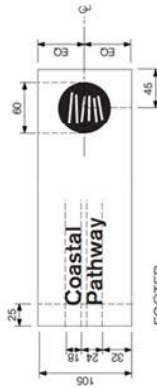


HEADER

HEADER

SIGN PANEL

Typical Layout
 Scale 1:10



FOOTER

Typical Graphic Detail
 Scale 1:5

TIER 1 WAYFINDING SIGNS

**Sign type 1.1
 Connection identification sign
 Sheet 3 of 3**

Unless otherwise noted, all dimensions in millimetres. Use figured dimensions in preference to scaling. Contractor to confirm all dimensions and details on site prior to manufacture.

Signmaker to confirm all details for approval on shop drawings prior to manufacture. All structural members, fixings and/or footings to be confirmed by sign maker's engineer.

Due to this reproduction process the colours in this image are not exact representations of the final product.

CONSTRUCTION DETAILS

NOTES

TIMBER PANELS
 Dressed, class 2 minimum timber panels to both sides of internal structural post.

1. Dressed / machined timber to specified size
2. Tanalith E / ACO Treatment
3. CN of finish top coat
4. Treat with Tanacoat oil

SIGN PANELS

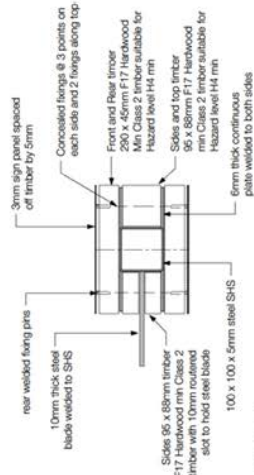
3mm thick fabricated aluminum sign panel with rear welded fixing pins. To be 2 pac painted to all visible sides with anti-graffiti spray clear coat finish all over. Map to be full colour digital print onto polystyrene vinyl and cut to outer shape of map panel (290 x 550mm).

FEATURE BLADE

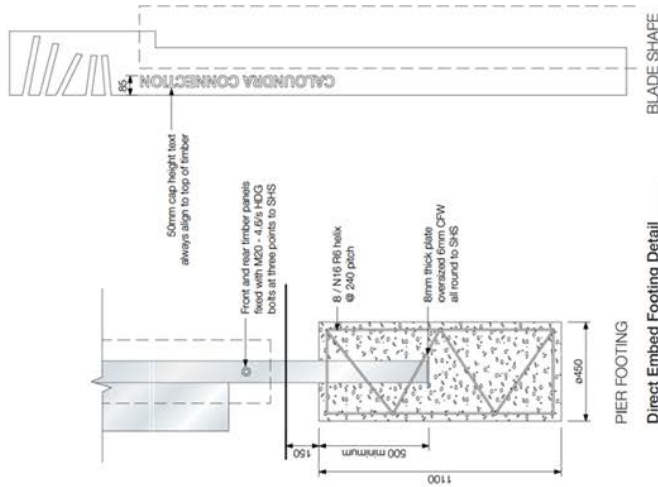
10mm thick steel blade laser cut to shape and powder coated tripropion Anodic Silver Low Sheen.

Footings

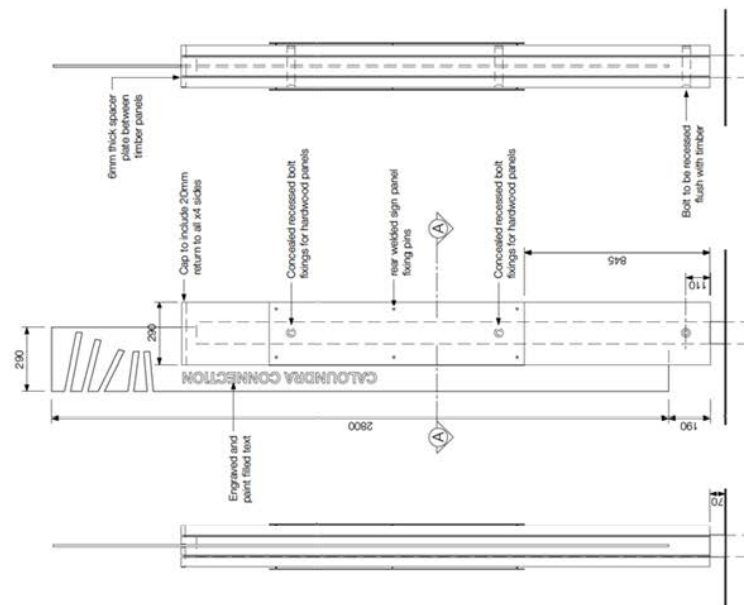
Reinforced concrete footing to be confirmed by sign maker's engineer. All fixings shall be below ground level to reduce trip hazards. Re-estate / make good paving or pavement, with no changes of level greater than 3mm and no gradients steeper than 1:40



Section A
 Scale 1:10



PIER FOOTING
Direct Embed Footing Detail
 Scale 1:10



Typical Elevations
 Scale 1:20

TIER 1 WAYFINDING SIGNS

Sign type 1.2
 Arrival information sign
 Sheet 1 of 3



Typical Elevations
 Scale 1:20

TIER 1 –WAYFINDING SIGNS

**Sign type 1.2
 Arrival information sign
 Sheet 2 of 3**

Unless otherwise noted, all dimensions in millimetres. Use figured dimensions in preference to scaling. Contractor to confirm all dimensions and details on site prior to manufacture.

Signmaker to confirm all details for approval on shop drawings prior to manufacture.

Due to this reproduction process the colours in this image are not exact representations of the final product.

GRAPHIC LAYOUT DETAILS

Font
 Local Area Identification = Akzidenz Grotesk Medium

Connection Name = Akzidenz Grotesk Medium

Connection Terminus = Akzidenz Grotesk Regular

Distance = Akzidenz Grotesk Medium

Colour

HEADER PANEL

2 pic painted background with vinyl graphics over.
 Background = Colorbond Woodland Grey
 Coastal Pathway = PMS 122C

MAP PANEL
 Full colour digital print onto polymeric vinyl and cut to outer shape of map panel (600 x 485mm).

FOOTER PANEL

2 pic painted background with vinyl graphics over.
 Background = PMS 315C

Graphics = Avery White Matt 920

Shared path pictograms = Avery White Matt 920

Finish

ANTI-GRAFFITI

Option (i) = 600 x 1065mm clear DuPont™ Tedlar™ SP polyvinyl fluoride film with low gloss finish laminated over full sign panel.

ALTERNATIVE GRAPHICS OPTION

FULL COLOUR DIGITAL PRINT

600 x 1065 full colour digital print (including Header, Map and Footer panels) onto polymeric vinyl with anti graffiti polyvinyl fluoride film over.



TIER 1 –WAYFINDING SIGNS

**Sign type 1.2
 Arrival information sign
 Sheet 3 of 3**

Unless otherwise noted, all dimensions in millimetres. Use figured dimensions in preference to scaling. Contractor to confirm all dimensions and details on site prior to manufacture.

Signmaker to confirm all details for approval on shop drawings prior to manufacture. All structural members, fixings and/or footings to be confirmed by sign maker's engineer.

Due to this reproduction process the colours in this image are not exact representations of the final product.

CONSTRUCTION DETAILS

NOTES

TIMBER PANELS
 Dressed, class 2 minimum timber panels to both sides of internal structural post.

1. Dressed / machined timber to specified size
2. Tanalith E / ACO Treatment
3. CN of finish top coat
4. Treat with Tanacoat oil

INTERNAL STRUCTURAL BLADE

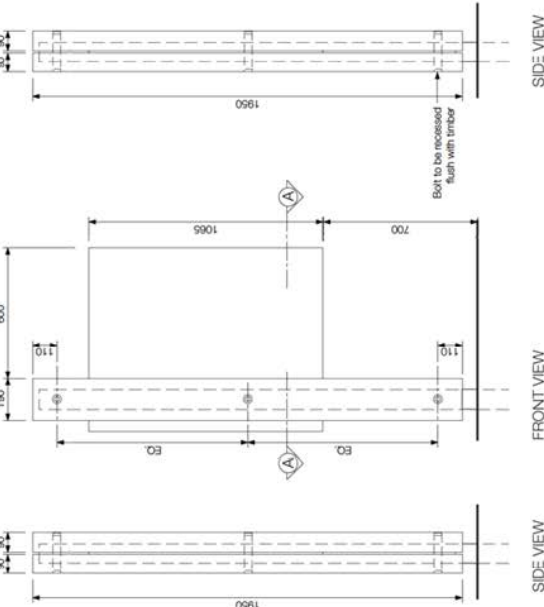
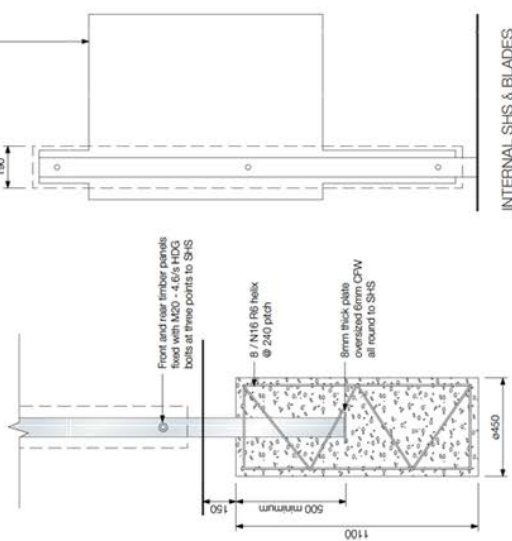
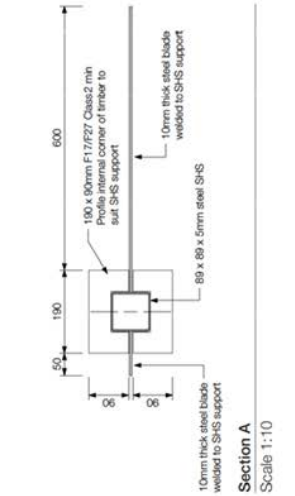
10mm thick steel sign panel welded to internal structural post. To be primed and powder coated Interpon Anodic Silver Low Sheen.

SIGN PANELS

2mm aluminium to be 2 pac painted with applied vinyl graphics. Map to be full colour digital print onto polymeric vinyl and cut to outer steps of map panel (290 x 550mm). Sign panel to be concealed fixed to steel blade.

Footings

Reinforced concrete footing to be confirmed by sign maker's engineer. All fixings shall be below ground level to reduce trip hazards. Re-estate / make good paving or pavement, with no changes of level greater than 3mm and no gradients steeper than 1:40



TIER 1 –WAYFINDING SIGNS

**Sign type 1.3
 Distance marker identification sign
 Sheet 1 of 2**

Unless otherwise noted, all dimensions in millimetres. Use figured dimensions in preference to scaling. Contractor to confirm all dimensions and details on site prior to manufacture.

Signmaker to confirm all details for approval on shop drawings prior to manufacture.

Due to this reproduction process the colours in this image are not exact representations of the final product.

CONSTRUCTION DETAILS

TIMBER BOLLARD

- Dressed, class 2 minimum timber panels to both sides of internal structural post. Top of timber to include tapered angle.
- 1. Dressed / machined timber to specified size
- 2. Tanalith E / ACQ Treatment
- 3. ON of finish top coat
- 4. Treat with Taracoat oil

SIGN PANELS

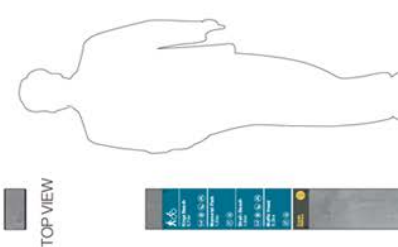
2mm thick fabricated aluminium sign panel fixed flush to face of timber column. To be 2 pac painted to all visible sides with anti-graffiti spray clear coat finish all over. Graphics to be cut out vinyl.

Footings

Reinforced no-fines concrete pad/ear footing to signmakers' engineer specification. All fixings shall be below ground level to reduce trip hazards. Re-instate / make good paving or pavement, with no changes of level and no gradients steeper than 1:40.

ALTERNATIVE BOLLARD OPTION

RECYCLED PLASTIC BOLLARD
 Bollard = 'The Merlon' by Replis Recycled Plastic Products
 Size = 200mm wide x 75mm thick
 Colour = Replis Grey
 Refer www.replis.com.au



190

90

1200

TOP VIEW



190

SIDE 1 VIEW



190

SIDE 2 VIEW



90

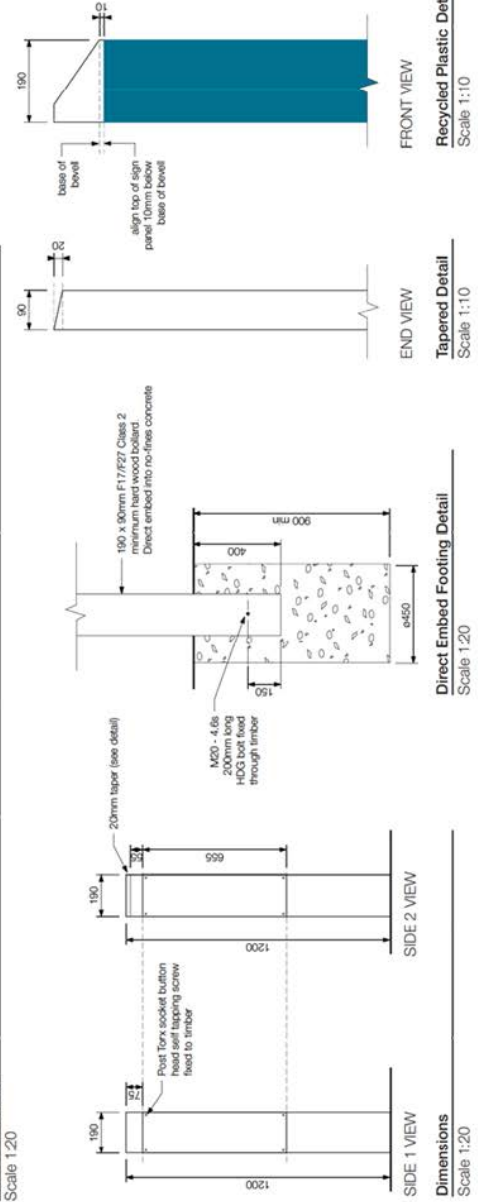
END VIEW 1



90

END VIEW 2

**Typical Elevations
 Scale 1:20**



**Dimensions
 Scale 1:20**

**Direct Embed Footing Detail
 Scale 1:20**

**Tapered Detail
 Scale 1:10**

**Recycled Plastic Detail
 Scale 1:10**

TIER 1 –WAYFINDING SIGNS

**Sign type 1.3
 Distance marker identification sign
 Sheet 2 of 2**

Unless otherwise noted all dimensions in millimetres. Use figured dimensions in preference to scaling. Contractor to confirm all dimensions and details on site prior to manufacture.

Signmaker to confirm all details for approval on shop drawings prior to manufacture.

Due to this reproduction process the colours in this image are not exact representations of the final product.

GRAPHIC LAYOUT DETAILS

Font
 Destination = Akzidenz Grotesk Medium
 Distance = Akzidenz Grotesk Regular

Colour

SIGN PANEL
 Background = PMS 315C
 Graphics = Avery White Matt 920
 Shared path pictograms = Avery White Matt 920

FOOTER PANEL

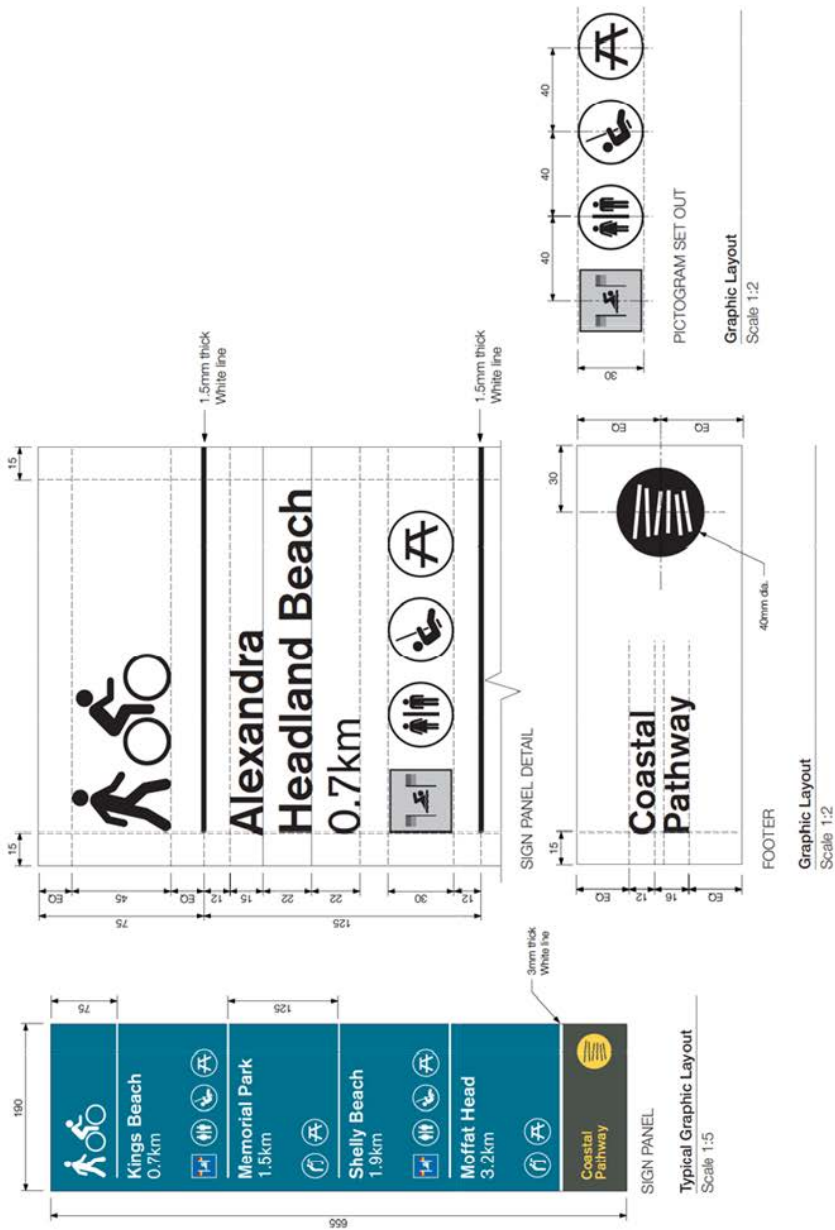
Background = Colorbond Woodland Grey
 Coastal Pathway = PMS 122C

Finish

ANTI-GRAFFITI
 Option (i) = Satin 2 pack paint finish with anti-graffiti spray clear coat finish applied all over sign panel.
 Option (ii) = 190 x 655mm clear DuPont™Teflon® SP poly(vinyl fluoride) film with low gloss finish laminated over full sign panel.

ALTERNATIVE GRAPHICS OPTION

FULL COLOUR DIGITAL PRINT
 190 x 655 full colour digital print (including Sign and Footer panels) onto polymeric vinyl with anti-graffiti poly(vinyl fluoride) film over.



TIER 2 SUPPLEMENTARY SIGNS

**Sign type 2.1
 On road marker sign
 Sheet 1 of 1**

Unless otherwise noted, all dimensions in millimetres. Use figured dimensions in preference to scaling. Contractor to confirm all dimensions and details on site prior to manufacture.

Signmaker to confirm all details for approval on shop drawings prior to manufacture.

Due to this reproduction process the colours in this image are not exact representations of the final product.

CONSTRUCTION DETAILS

Notes
 1.6mm aluminium with 2 pac painted background and vinyl graphics over. Panel to be fixed to structure as required.

GRAPHIC LAYOUT DETAILS

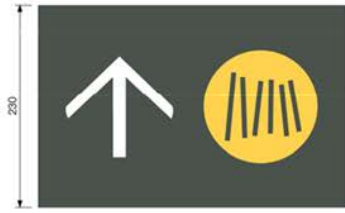
Colour
 SIGN PANEL
 Background = Colorbond Woodland Grey
 Coastal Pathway = PMS 122C

Finish

ANTI-GRAFFITI
 Option = 230 x 350mm clear Dupont "Teclar" SP polyvinyl fluoride film with low gloss finish laminated over full sign panel.

ALTERNATIVE GRAPHICS OPTION

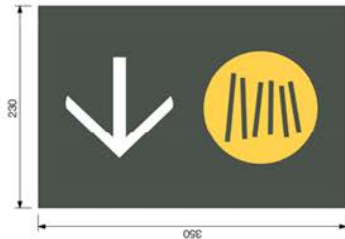
FULL COLOUR DIGITAL PRINT
 230 x 350 full colour digital print onto polymeric vinyl with anti graffiti polyvinyl fluoride film over.



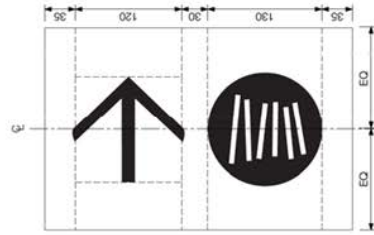
TURN RIGHT



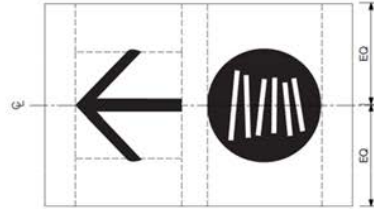
STRAIGHT AHEAD



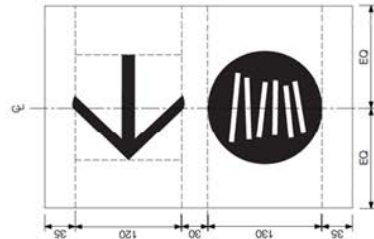
TURN LEFT



TURN RIGHT

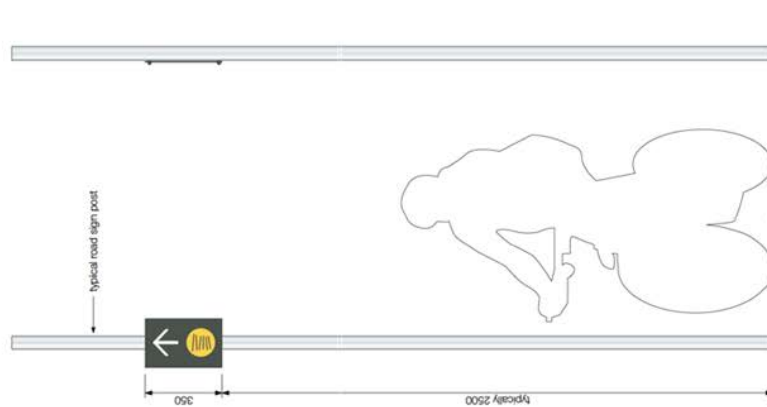


STRAIGHT AHEAD



TURN LEFT

Graphic Detail
 Scale 1:5



FRONT VIEW

SIDE VIEW

Typical Elevations
 Scale 1:20

TIER 2 SUPPLEMENTARY SIGNS
 Sign type 2.2
 Directional sign
 Sheet 1 of 2

Unless otherwise noted all dimensions in millimetres. Use figured dimensions in preference to scaling. Contractor to confirm all dimensions and details on site prior to manufacture.

Signmaker to confirm all details for approval on shop drawings prior to manufacture.

Due to this reproduction process the colours in this image are not exact representations of the final product.

CONSTRUCTION DETAILS

NOTES

TIMBER PANELS

- Dressed, class 2 minimum timber panels to both sides of internal structural post. Top of timber to include tapered angle.
- 1. Dresser / machined timber to specified size
- 2. Finish E / ACO Treatment
- 3. Oil of finish top coat
- 4. Treat with Tanecost oil

SIGN PANELS

2mm thick fabricated aluminium sign panel fixed flush to face of timber column. To be 2 pac painted to all visible sides with anti-graffiti spray clear coat finish all over. Graphics to be cut out vinyl.

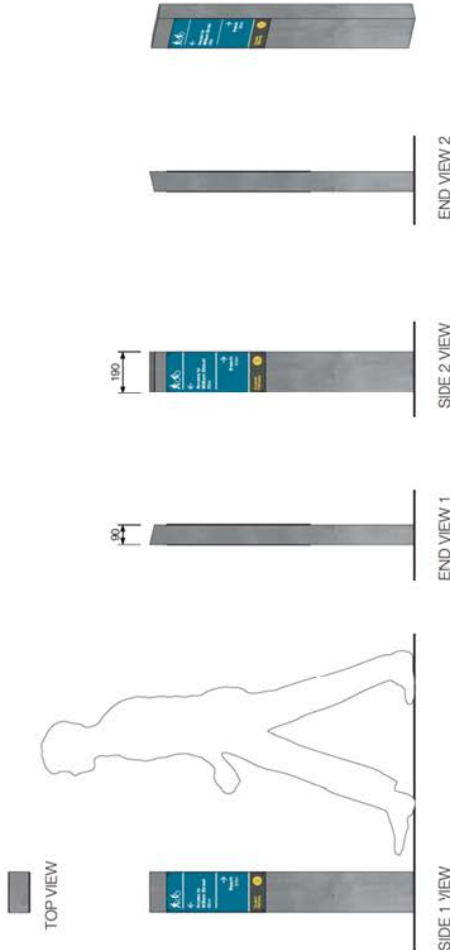
Footings

Reinforced no-fines concrete pad/pier footing to signmakers' engineer specification. All fixings shall be below ground level to reduce trip hazards. Re-locate / make good paving or pavement, with no changes of level and no gradients steeper than 1:40.

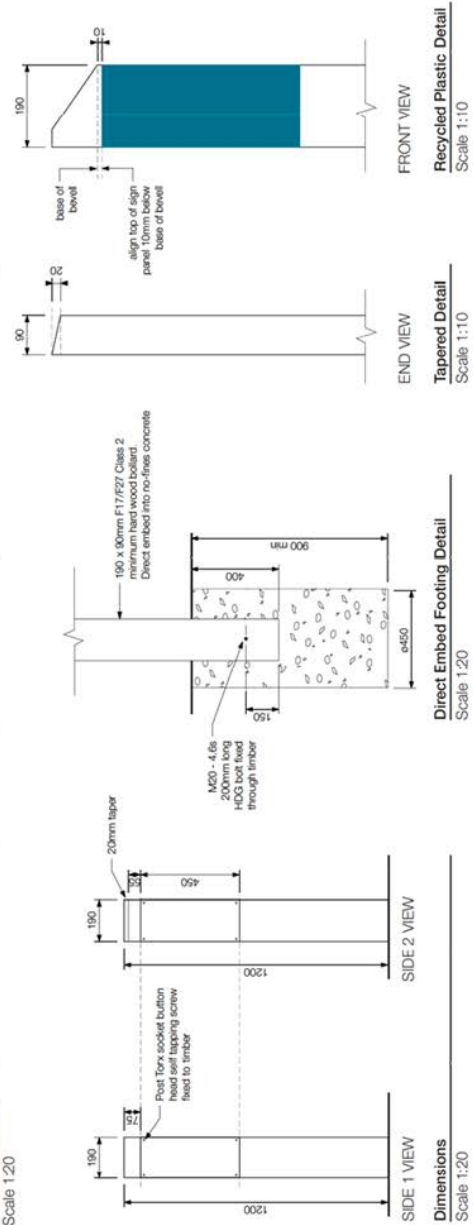
ALTERNATIVE BOLLARD OPTION

RECYCLED PLASTIC BOLLARD
 Bollard = 'The Meron' by Replis Recycled Plastic Products
 Size = 200mm wide x 75mm thick
 Colour = Replis Grey

Refer www.replis.com.au



Typical Elevations
 Scale 1:20



TIER 2 SUPPLEMENTARY SIGNS
 Sign type 2.2
 Directional sign
 Sheet 2 of 2

Unless otherwise noted, all dimensions in millimetres. Use figured dimensions in preference to scaling. Contractor to confirm all dimensions and details on site prior to manufacture.

Signmaker to confirm all details for approval on shop drawings prior to manufacture.

Due to this reproduction process the colours in this image are not exact representations of the final product.

GRAPHIC LAYOUT DETAILS

Font

Destination = Akzidenz Grotesk Medium
 Distance = Akzidenz Grotesk Regular

Colour

SIGN PANEL
 Background = PMS 315C
 Graphics = Avery White Matt 920
 Shared path pictograms = Avery White Matt 920
 Pictograms = Avery White Matt 920

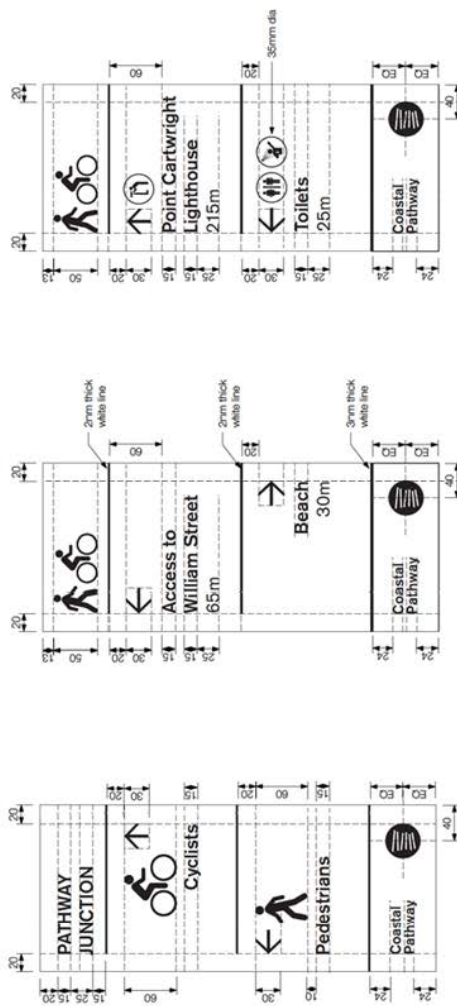
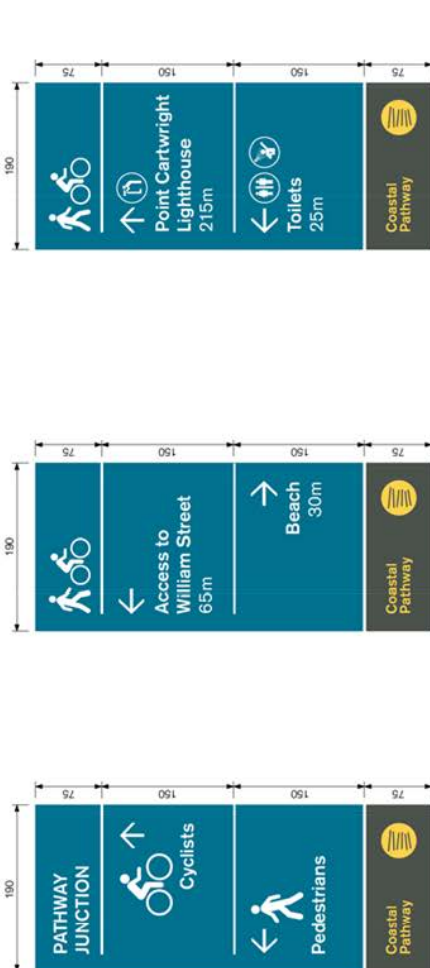
FOOTER PANEL
 Background = Colorbond Woodland Grey
 Coastal Pathway = PMS 122C

Finish

ANTI-GRAFFITI
 Option 0 = Satin 2 rock paint finish with anti-graffiti spray clear coat finish applied all over sign panel.
 Option 01 = 190 x 450mm clear DuPont "Teclar" SP poly(vinyl fluoride) film with low gloss finish laminated over full sign panel.

ALTERNATIVE GRAPHICS OPTION

FULL COLOUR DIGITAL PRINT
 190 x 450 full colour digital print (including Sign and Footer panels) onto polymeric vinyl with anti-graffiti poly(vinyl fluoride) film over.



Eg. Facilities/ destinations off pathway

Eg. Facilities/ destinations off pathway

Eg. Pathway divide
Typical Graphic Layouts
 Scale 1:5

TIER 2 SUPPLEMENTARY SIGNS
 Sign type 2.3
 Warning information sign
 Sheet 1 of 2

Unless otherwise noted, all dimensions in millimetres. Use figured dimensions in preference to scaling. Contractor to confirm all dimensions and details on site prior to manufacture.

Signmaker to confirm all details for approval on shop drawings prior to manufacture.

Due to this reproduction process the colours in this image are not exact representations of the final product.

CONSTRUCTION DETAILS

Notes

TIMBER PANELS

- Dressed, class 2 minimum timber panels to both sides of internal structural post. Top of timber to include tapered angle.
- 1. Dresser / machined timber to specified size
- 2. Finish E / ACO Treatment
- 3. CN of finish top coat
- 4. Treat with Tanecost oil

SIGN PANELS

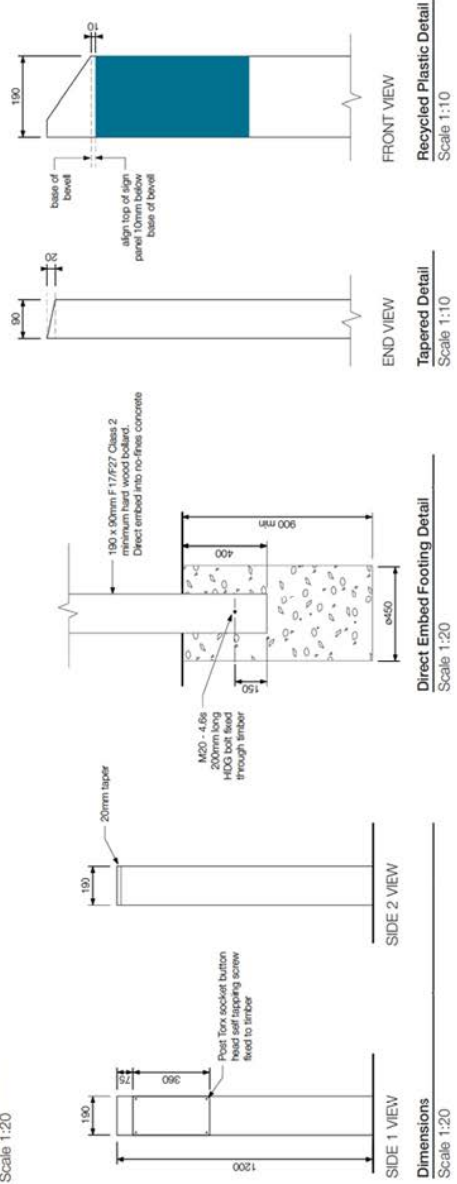
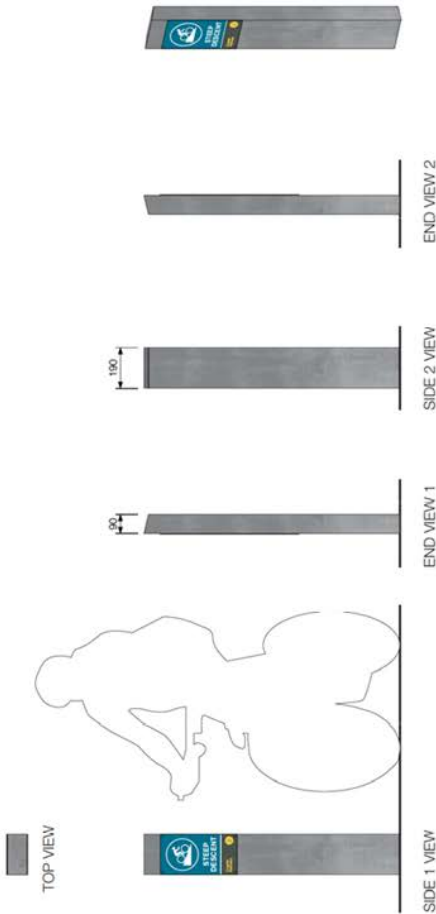
2mm thick fabricated aluminium sign panel fixed flush to face of timber column. To be 2 pac painted to all visible sides with anti-graffiti spray clear coat finish all over. Graphics to be cut out vinyl.

Footings

Reinforced no-fines concrete pad/riar footing to signmakers' engineer specification. All fixings shall be below ground level to reduce trip hazards. Re-estate / make good paving or pavement, with no changes of level and no gradients steeper than 1:40.

ALTERNATIVE BOLLARD OPTION

RECYCLED PLASTIC BOLLARD
 Bollard = 'The Meron' by Replis Recycled Plastic Products
 Size = 200mm wide x 75mm thick
 Colour = Replis Grey
 Refer www.replis.com.au



TIER 2 SUPPLEMENTARY SIGNS
 Sign type 2.3
 Warning Information sign
 Sheet 2 of 2

Unless otherwise noted, all dimensions in millimetres. Use figured dimensions in preference to scaling. Contractor to confirm all dimensions and details on site prior to manufacture.

Signmaker to confirm all details for approval on shop drawings prior to manufacture.

Due to this reproduction process the colours in this image are not exact representations of the final product.

GRAPHIC LAYOUT DETAILS

Font
 Destination = Akzidenz Grotesk Medium
 Distance = Akzidenz Grotesk Regular

Colour

SIGN PANEL
 Background = PMS 315C
 Graphics = Avery White Matt 920
 Pictograms = Avery White Matt 920

FOOTER PANEL

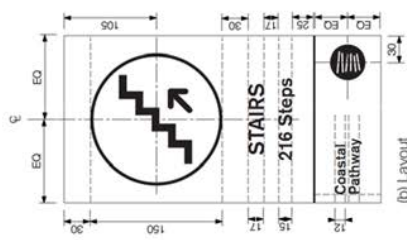
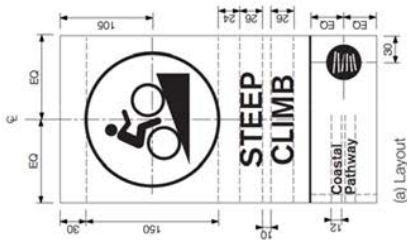
Background = Colorbond Woodland Grey
 Coastal Pathway = PMS 122C

Finish

ANTI-GRAFFITI
 Option (i) = Satin 2, pack paint finish with anti-graffiti spray clear coat finish applied all over sign panel.
 Option (ii) = 150 x 360mm clear DuPont "Ticlar" SP polyvinyl fluoride film with low gloss finish laminated over full sign panel.

ALTERNATIVE GRAPHICS OPTION

FULL COLOUR DIGITAL PRINT
 150 x 360 full colour digital print (including Sign and Footer panels) onto polymeric vinyl with anti-graffiti polyvinyl fluoride film over.



Typical Graphic Detail
 Scale 1:5



Typical Graphic Layouts
 Scale 1:10

TIER 2 SUPPLEMENTARY SIGNS

**Sign type 2.4
 Activity measurement sign
 Sheet 1 of 1**

Unless otherwise noted, all dimensions in millimetres. Use figured dimensions in preference to scaling. Contractor to confirm all dimensions and details on site prior to manufacture.

Signmaker to confirm all details for approval on shop drawings prior to manufacture.

Due to this reproduction process the colours in this image are not exact representations of the final product.

CONSTRUCTION DETAILS

Notes

SIGN PANEL
 3mm thick Satin Natural Anodised aluminium with pencilled rounded edges and corners.

GRAPHICS

Graphics to be photo-anodised to front surface of sign panel.

Fixing

Two rear welded pins to back of sign panel and chemset hard to path surface. Pathway surface to be pre-drilled to accommodate pins.

GRAPHIC LAYOUT DETAILS

Font

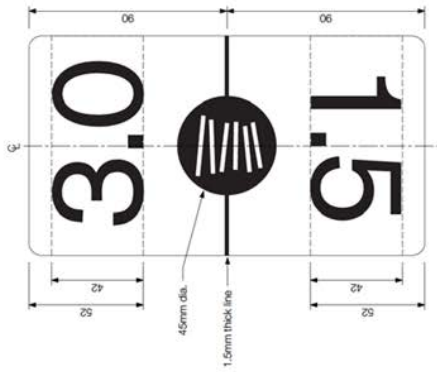
Distance = Akzidenz Grotesk Regular

Colour

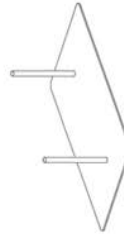
Panel = Satin Natural Anodised aluminium
 Graphics = Black

ALTERNATIVE GRAPHICS OPTION

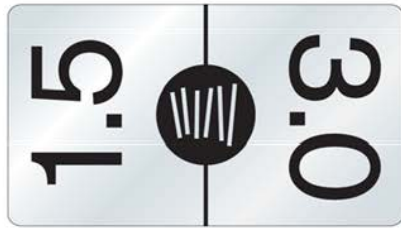
ENGRAVED AND PAINT FILLED
 All graphics to be engraved and paint in-filled Black.



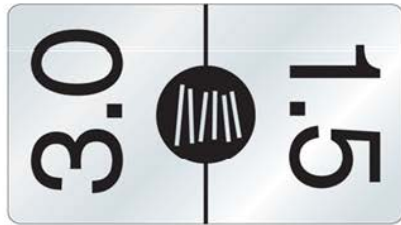
Graphic Layout Detail
 Scale 1:2



REAR VIEW - PINS



VIEW 2




VIEW 1

Typical Graphic Layout
 Scale 1:2



Typical Location Detail
 Scale 1:10

 SIGN SPECIFICATION Codes and standards Quality management Fabrication, finishes and installation Construction standards Graphic standards Installation standards	

Codes and standards

All work and materials shall comply with the Building Code of Australia, the Workplace Health and Safety Act, and, except where otherwise noted in this Specification, comply with the latest editions of all relevant Australian codes or standards (current issue) of which the following is a selected list:

Quality management

AS/NZS ISO 9001 Quality systems for design/ development, production, installation and servicing

METALWORK

- AS 1170.2:2002 Minimum design loads on structures – wind loads
- AS 1627 Metal finishing – preparation and pre-treatment of surfaces
- Part 1 – cleaning using liquid solvents and alkaline solutions
- Part 2 – power tool cleaning
- Part 4 – abrasive blast cleaning
- Part 7 – hand tool cleaning of metal surfaces
- Part 9 – pictorial surface preparation standards for painting steel surfaces
- AS/NZS 4680 hot-dip galvanised (zinc) coatings on fabricated ferrous articles
- AS 1734 Aluminium and aluminium alloys, flat sheet, cold sheet and plate

CONCRETE

- AS 3600 Concrete structures
- AS 3610 Form work for Concrete

FASTENERS

- AS 1214 Hot dip galvanised coatings on threaded fasteners
- AS 1420 ISO metric hexagon socket head cap screws
- AS 1421 ISO metric hexagon socket set screws
- AS 1427 ISO metric machine screws

SEALANTS

- AS 1527 Two-part polysulphide based sealing compounds for the building industry, AS 001543a Sealing compound silicone rubber base (US specification)

PAINTS AND COATINGS

- AS 2310 Glossary of paint and painting terms
- AS 2312 Guide to the protection of iron and steel against exterior atmospheric corrosion
- AS 2700 Colour standards for general purposes
- ASTM G3363 Test method for film hardness by pencil

Fabrication, Finishes and Installation

In conformity with the current applicable Australian Standard Code, all materials shall be new, the best of their respective kind and suitable for their purposes. Materials are to be free from corrosion, prime painted and

compatible with the final finish, where applicable. Provide all screws, bolts, rivets, pop rivets, plain and countersunk fasteners and washers of a type and material suitable, sufficient and matching in finish and appearance to the components fastened. Unless otherwise specified, comply with the following where applicable.

Properties: Allow for expansion/contraction of materials.
 Electrolysis: Provide insulation between dissimilar metals to prevent electrolysis.

Concrete

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

Aluminium

Aluminium 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.

Paint

Paint to be 2 pack Polyurethane and applied in accordance with manufacturer's recommendations for spray application. Generic or unbranded products shall not be used. Use only branded premium quality lines from Dulux, Akzo, or an equivalent alternative to be approved by the Sunshine Coast Project Representative prior to use. All material required for the application of each finish must be manufactured by one approved manufacturer and used in conjunction with priming and undercoats produced by that manufacturer as a total coating system. All signs shall be factory primed using sprayed finishes or other approved finishes. Surfaces to be satin finish (20 to 50 degree gloss level), with full and even cover. Where screws bolts or both are applied to unfinished material, rebouch to match. Paint to be Dulux Acrythane IF 2 pack polyurethane or equal standard and applied as per manufacturers instructions. Primers and undercoats to be applied prior to the final coatings. The final coat to be satin finish (20 to 50 degree gloss level).

Pre-treatment

All materials subject to corrosion shall be suitably primed or otherwise treated with permanent protection. Undercoats shall be evenly applied to concealed frames and supports prior to assembly. Non corrosive materials are to be preferred in all cases.

The Subcontractor shall ensure that all surfaces are properly prepared and in suitable condition to receive the coating system prior to the first application as follows:

- Un-primed or damage primed steelwork shall be abrasive blasted, or power tool cleaned to near white metal, immediately prior to priming or spot priming
- Primed steelwork shall be brushed down, degreased using white spirit
- Galvanised steelwork scheduled to be paint finished shall be degreased

using white spirit, and washed with water

- Concrete and masonry surfaces shall be cleaned of all oil, grease and loose foreign matter, including efflorescence and dirt, prior to the application of any paint finishes
- Minimum 5 year outdoor life
- Print inks and substrates to suit application i.e. external
- Apply spray clear coat over UV and graffiti protection.
- Ensure all surfaces are cleaned and prepared prior to application of primer
- Finished print to be free of any air bubbles, creases or distortions.
- Cast external grade 5-year polymeric vinyl to be used for external applications. Sigmiker to provide manufacturer's warranty.

Aluminium should be lightly abraded using fine emery cloth and mineral turpentine as a lubricant. Surfaces should be clean with mineral turpentine, washed thoroughly and dried. As soon as surfaces are thoroughly dry, apply self-etching primer to all surfaces. Fine sanding and painting should follow immediately thereafter.

Mixing and blending

All paints shall be mixed in accordance with manufacturer's recommendations. Chemically cured coatings shall be blended in exact quantities either by weight or by the use of volume matched containers. Accurate and properly calibrated equipment is required capable of weighing to an accuracy of 5g. The whole contents of volume matched containers shall be blended at once. On no account shall part only of volume matched containers be blended. Each container shall be thoroughly and separately mixed using clean mixing equipment that has not been in contact with the other containers. Blended material shall be poured from mixing container, care being taken not to scrape out materials left adhering to the container. Application shall be carried out within 1 hour of mixing. Thinning shall only be permitted for spray applications or sealing coats and then only with thinners supplied by the finish manufacturer for this purpose.

Powder coatings

Powder coatings to meet performance standard AS3715 (Dulux Alphatec Plus or equal standard) and applied as per manufacturers instructions.

Adhesives

Adhesives must be suitable for their application and applied as per manufacturers instructions. Silicone adhesive is to be Dow Corning. Skull ex or equal standard. The adhesive must meet the following criteria:

- A one part formulation resistant to UV radiation, aging and weathering
- Capable of withstanding high dynamic stresses
- Very low VOC content and not contain silicone, PVC or acetic acid
- High recovery and elastic with low colour, one-part formulation

Double sided tape

Double sided adhesive tape is to be 3M brand 4016 or equal.
 Vinyl Graphics
 Cut from self adhesive vinyl by computer operated flat bed knife cutter.
 TYPE - Exterior grade cast vinyl
 COLOURS - As noted on the colour reference page. Close level to match painted surfaces. Thickness: .08mm to .10mm thickness range
 Manufacturer: 3M, Cabon or equal standard.
 Digital Prints

All digital prints are to conform to the following requirements.

- Final output to accurately reflect supplied artwork
- True solvent inks to be used for digital print applications
- Minimum 200dpi resolution at full size printed on flatbed printer
- Minimum 5 year outdoor life
- Print inks and substrates to suit application i.e. external
- Apply spray clear coat over UV and graffiti protection.
- Ensure all surfaces are cleaned and prepared prior to application of primer
- Finished print to be free of any air bubbles, creases or distortions.
- Cast external grade 5-year polymeric vinyl to be used for external applications. Sigmiker to provide manufacturer's warranty.

Screen printing

Where noted on the drawings, graphics are to be accurately screen printed using silk screens and two pack paints.

Protective anti-graffiti coating

CLEAR COAT
 All painted faces shall have a final clear coat applied over the face to protect from graffiti. The clear coat shall be consistent and compatible with the paint finish and applied as per manufacturers instructions. All signs with vinyl graphics front applied shall have a final clear coat applied over the face to protect the vinyl from scratching. A clear coat shall consist of four sprayed layers of clear non yellowing two pack polyurethane paint.

OVER LAMINATE

Clear Dupont 'Tedlar' SP polyvinyl fluoride film with low gloss finish laminated over full sign panel.

Sacrificial coatings

Sacrificial anti-graffiti clear coat over all sign panels, consistent with the paint finish and applied as per manufacturers instructions (The Graffiti Specialists or equal). The final coat to be satin finish (20 to 50 degree gloss level) to match other painted surfaces. Signs not matching this standard will be rejected through sampling process.

Fixings

Materials subject to anodic reactions must be fixed with suitable hardware to eliminate anodic reactions between dissimilar metals. Fixings must suit design requirements i.e. galvanised, zinc coated bolts to fix to galvanised structures.

- Tek-screw type fixings are not permitted where visible.
- Stainless steel fixings to be grade 316 with anti-theft heads as shown on drawings.

Construction standards

GENERALLY

Form graphics items accurately to the specified shapes and surfaces with clean, well defined edges or angles, free from blemishes. The Subcontractor shall be responsible for the quality of all materials and workmanship required to manufacture the signs including the materials and workmanship of any firms or individuals who act on behalf of the Subcontractor and/or suppliers.

CONSTRUCTION STANDARDS

Construction is to be of the highest of industry standards. Where connection or suspensions are made, plates, bolts, and screws are to be concealed as much as possible from view unless otherwise detailed. Box frames or tube shall be extruded and unfinished. Splices, drilled holes and fittings shall be consistent from one sign to another. Screws, adhesives and silicones shall be concealed and/or made flush with the surface. Fit components with care. Graphic standards are to be carefully adhered to.

STRUCTURAL SUPPORT

Structural support of signs shall be independent of the existing structure except where specifically fixed to walls, floors or ceilings. For all signs, the Subcontractor is to be responsible for strength and suitability of the structural support and connection of all signs. Where visible prints are shown on the sign drawings, match details as shown. Internal structure may be amended to suit relevant structural requirements.

Cut out Shapes

Cut out shapes must be accurately laser cut from solid material and hand finished as necessary. Fixing pins to be drilled and tapped into back of each shape, minimum 2 per shape/letter.

Fabrication

For metals weld lines where visible are to be ground back and polished.

Welding

All welding and welding equipment shall satisfy the requirement of the appropriate standards for the specified material and conform to SAA code. All visible welds to be neat, ground back and polished.

Warranty

The signs shall not show deterioration, fading, crazing, peeling or bond failure for a period not less than (5) years from the date of completion.

Graphics standards

Sign messages are to be created from electronic artwork to faithfully reproduce the shapes and typefaces specified. The graphic layouts shall follow the guidelines outlined in the Sign Type Drawings. Graphics shown on the Sign Type Drawings as Illustrator .ai or .eps file format. These will be provided on CD ROM for pick up by the sign maker or sent via e-mail. It is the responsibility of the sign maker to ensure that all electronic files are accurately converted and match the Sign Type Drawings provided in form, size and colour. Hard copy drawings provided are to be used as the primary reference. If the Subcontractor finds any text messages or graphics that are not catered for in the Sign Type Drawings, the Subcontractor shall prepare a layout of the message at a minimum 1:10 scale and submit the layout for approval prior to production.

The Coastal Pathway Signage Style Guide has been prepared by Dot Dash Pty Ltd for the Sunshine Coast Council.

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4169 Australia



APPENDIX B
Coastal Pathway Signage Style Guide

DRAFT B June 2016

COASTAL PATHWAY MASTER PLAN

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