

ATTACHMENT B

## **ATTACHMENT B**

**LEGIBLE SYDNEY MANUAL**

LEGIBLE SYDNEY

CITY OF SYDNEY  
**LEGIBLE SYDNEY  
DESIGN MANUAL**

ISSUE C  
13.11.2013

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The Legible Sydney signage family comprises 5 sign types. The pylons and dedicated displays feature an overview map and a detail map.

### 1. Pylons – freestanding and surface mounted

The Pylon is used at arrival points near transport hubs, at important nodes, decision points, public places and major destinations. It provides a map with information covering a wide area. The map features a walking circle indicating walking times to nearby attractions and areas. The pylon features information including phone numbers, websites, QR Code, and NFC as well as Braille/ tactile contact number and location reference. Smaller pylons feature in small scale or heritage environment. Pylons are located so as not to obstruct circulation.



### 4. Maps

Maps are typically installed to freestanding and wall-mounted pylons. Maps can also be displayed individually to entries/exits to transport hubs, significant destinations, transport structures such as bus stops, City of Sydney structures such as phone booths, tourist information bureaux and kiosks.

Where space is limited only the detail map will feature.

### 5. Destination marker

A destination marker signals the arrival at a destination such as a significant park, civic building or place. It features the name of the destination and relevant interchangeable information. Additionally the marker can feature interpretation about the place (history, flora fauna etc, depending on the destination). The graphics and displays feature on both sides of the marker.

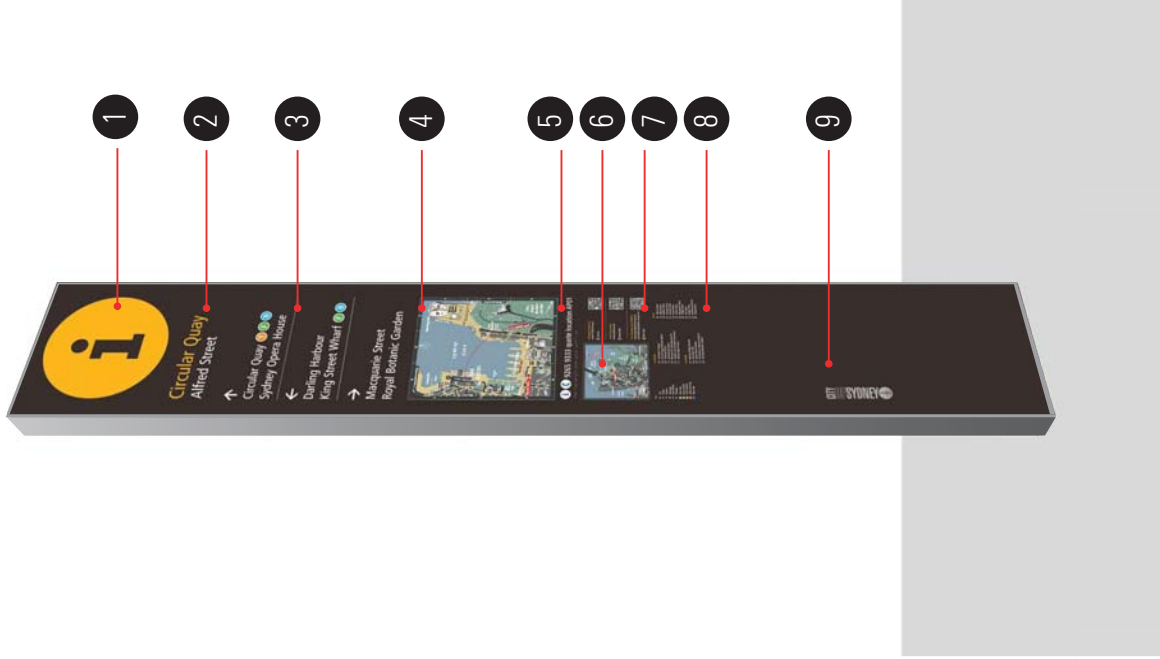
### 6. Interpretation Marker

The interpretation marker identifies a site, a place or a journey. It can be a stand alone marker or in proximity with a wayfinding pylon. The graphics and displays feature on both sides of the marker.

### 7. Tactile Indicators (Street Name Signs)

Tactile Indicators are signs that are placed adjacent to the pedestrian crossing push button to allow touch reading by people who are blind or read at close range by people with low vision.

# PYLON



## 1. Header

Signs are clearly identified by a circle containing the 'information' symbol above head height for visibility from a greater distance.

## 2. Sign Address

The typography, colour coding and naming conventions are consistent with those on the Legible Sydney printed walking maps and other elements of the system.

## 3. Directional Information

Directions are listed in accordance with the naming convention.

## 4. Detail Map

The detail map or 5 minute map is used to find a destination. It clearly depicts walking routes, roads, buildings and landmarks.

## 5. Braille/tactile Contact Detail

Braille/tactile contact number and location reference

## 6. Contacts & Digital Media

Information including phone numbers, websites, QR Code and NFC

## 7. Overview Map

The overview map or 15 minute map is used to orientate the user and show how close areas are to each other. It provides the information needed to link areas of Sydney and instills the confidence to attempt longer distance walking journeys.

## 8. Key

Streets and key destinations are listed in alphabetical order and coded with the grid reference on the map.

## 9. City of Sydney Logo

The City of Sydney logo is a constant assurance of the systems quality, management and ownership.

## Definition and Consultation

The pylon is the cornerstone of the wayfinding system and as that the point of reference from where any relevant information can be obtained.

It is located on primary decision points only. The majority of the wayfinding signs, such as flag and fingersigns are placed along the routes to reassure the user.

The design of the pylon developed over a period of almost two years in very close consultation with the City of Sydney and its stakeholders. Mock-ups were prepared for public exhibition and feedback was evaluated from a diverse group of respondents, the City of Sydney and its stakeholders. The feedback resulted in further design iterations.

## Development

Size and principal content of the doublesided pylon was developed after research into best practice and wayfinding systems in Australia and overseas.

Information content was developed considering optimal design in context with user needs.

The layout of graphics follows a format which is based on wayfinding principles, legibility, cognition, ergonomics and the interface by users with disabilities.

The aim was to create a rational display of hierarchical information displayed onto interchangeable panels to afford a continuing update of the information.

Materials and colours were developed and chosen in consultation and are Sydney specific.

## Graphic Components

The round yellow pictogram in the header was chosen as it communicates a source of information.

The header also features the sign address on two levels, suburb/precinct/village and Neighbourhood.

Directions typically feature six directions according to the place hierarchy.

The order of directions has been developed considering best practice and preparations of options in full scale.

Typically the straight ahead direction is at the top of all directions followed by the direction to the left and the direction to the right.

Messages are supported by internationally recognised pictograms and pictograms for transport were developed by Transport for NSW.

The typeface chosen for all lettering was Frutiger 57 Condensed tracking..... Frutiger is undisputable a very highly and proven legible typeface developed for signage environments.

## Maps

The maps were developed with a cartographer. They feature a detailed heads-up map of the immediate area, a smaller heads-up map in different scale to inform of a larger area, approximately four times the area of the detail map. The maps feature a key.

The colours developed and chosen for the maps fulfill the criteria of optimum legibility in the exterior environment and optimal contrast between the colours.

A feature of the map is that all pedestrian areas are in a distinct colour which clearly denotes routes and places for the primary user.

## Contact Information

Three critical contacts are listed with name, phone number, website and QR code. this allows users to tap into more detailed and up to date information.

## Contact Information in Tactile and Braille Lettering

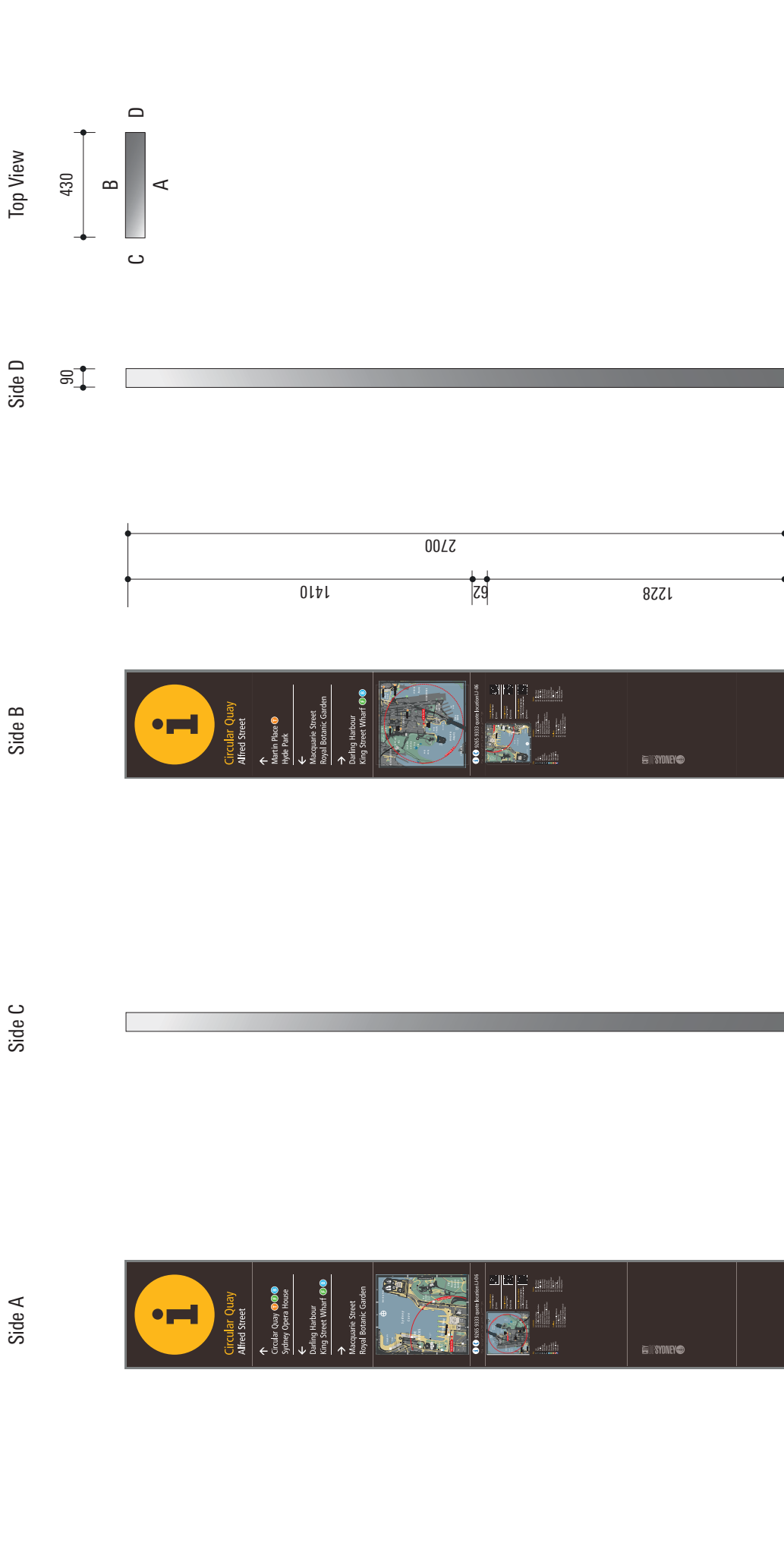
Pictograms, message, phonenumber and reference to the location of the pylon feature on an encapsulated panel.

## City of Sydney Logo

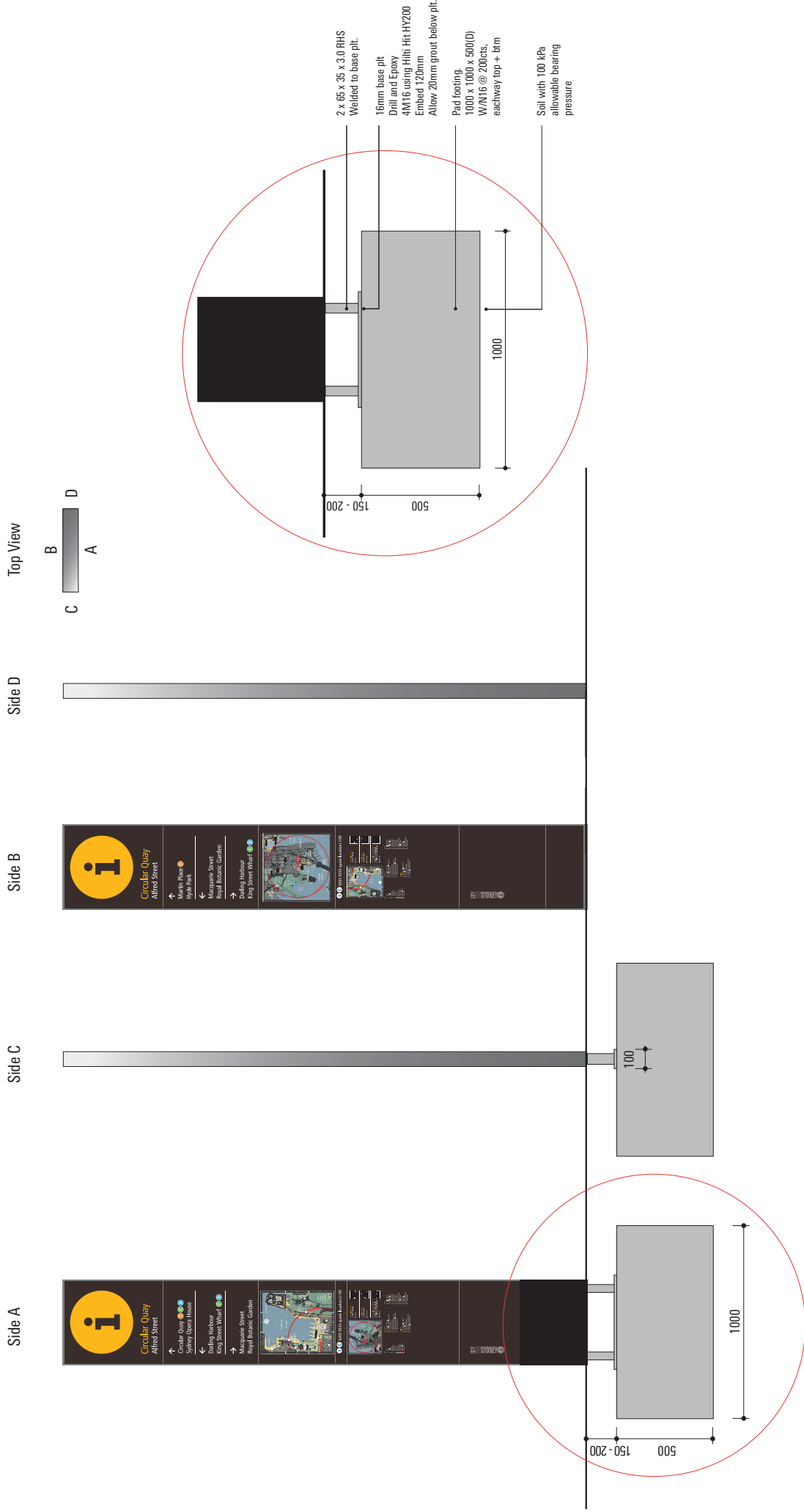
The logo of the City of Sydney features close to the base of the sign in a watermark type of application.

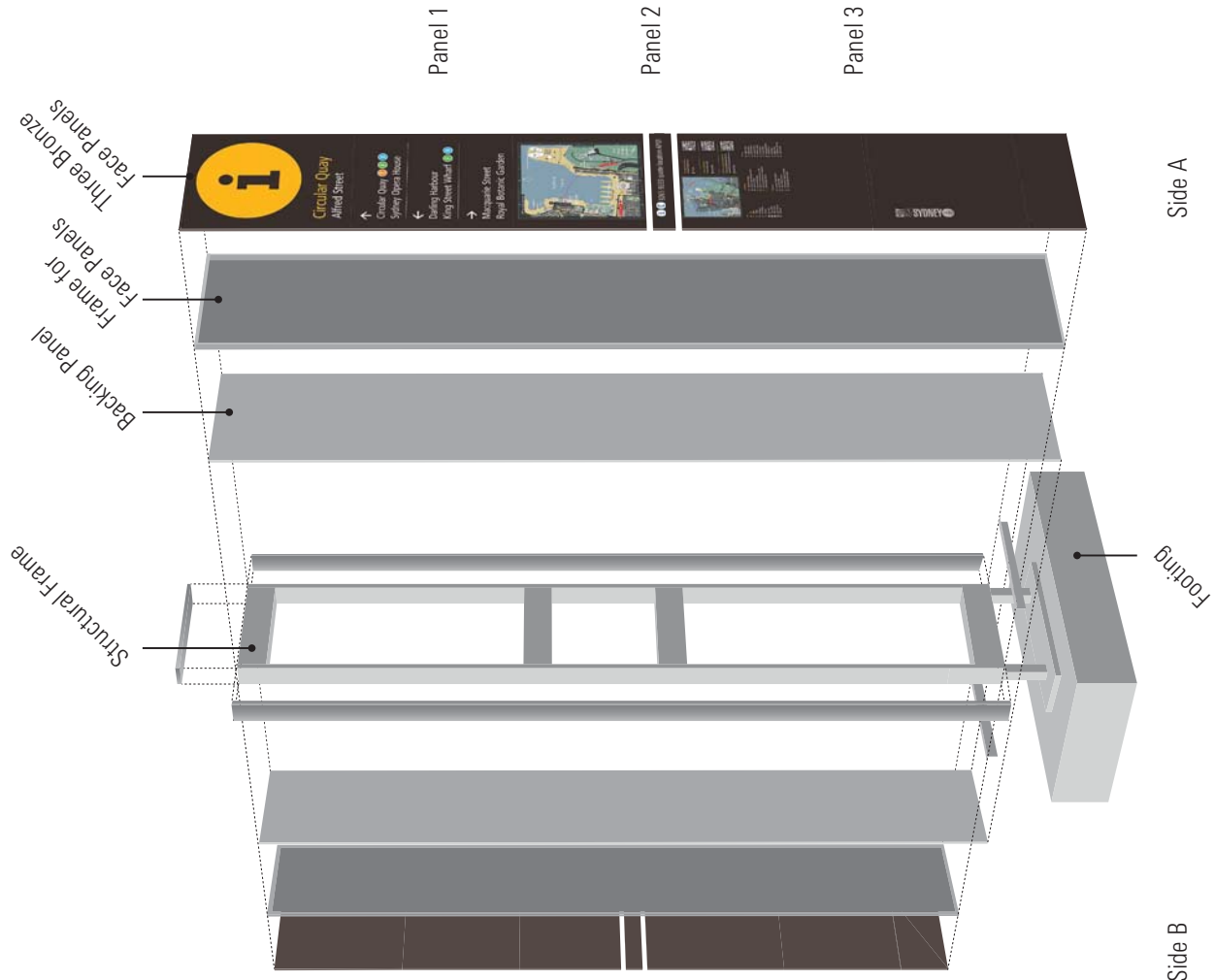
## Frame


A frame of stainless steel plates protects the edges of the pylon, creates a distinctive appearance against the faces of the pylon and the materials and colours of the pylon form part of the design for street furniture.












**Circular Quay**  
Alfred Street


← Circular Quay  
Sydney Opera House


← Darling Harbour  
King Street Wharf

→ Macquarie Street  
Royal Botanic Garden

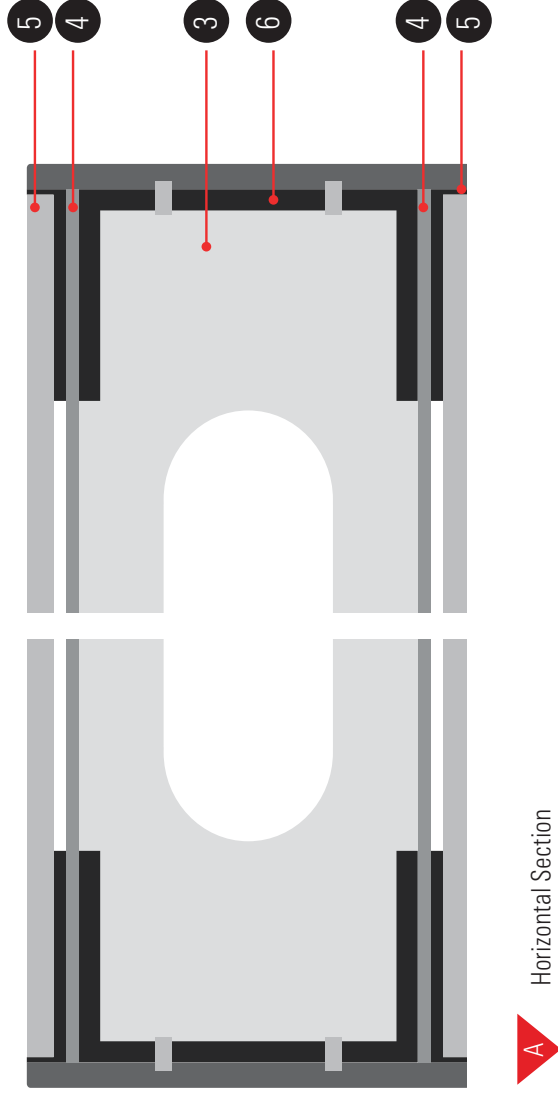


02 9352 3333 [www.minale.com.au](http://www.minale.com.au)





Note: Method of assembly and installation subject to contractor shop drawing.





**Circular Quay**  
Alfred Street

↑ Circular Quay  
Sydney Opera House

← Darling Harbour  
King Street Wharf

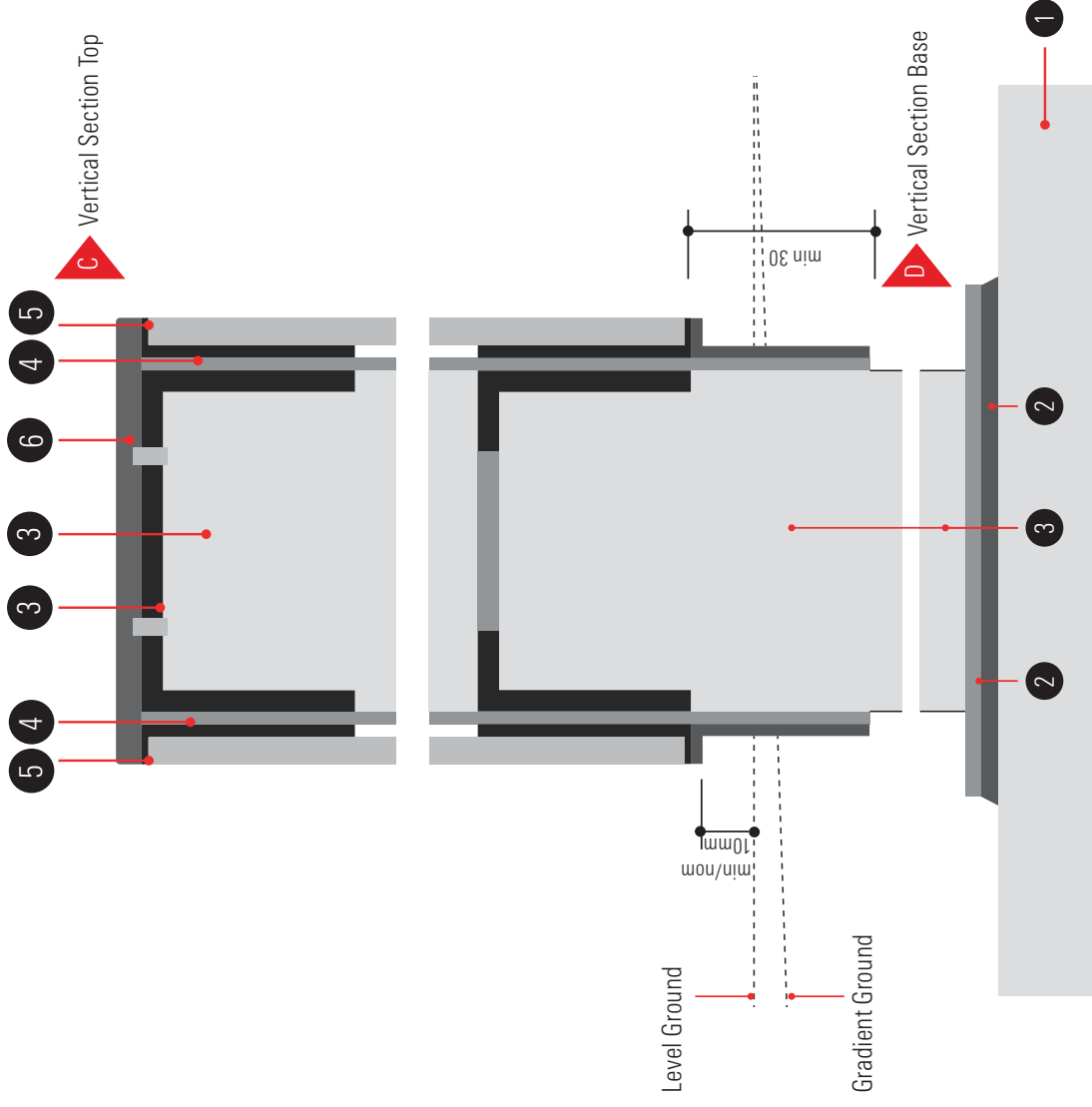
→ Macquarie Street  
Royal Botanic Garden



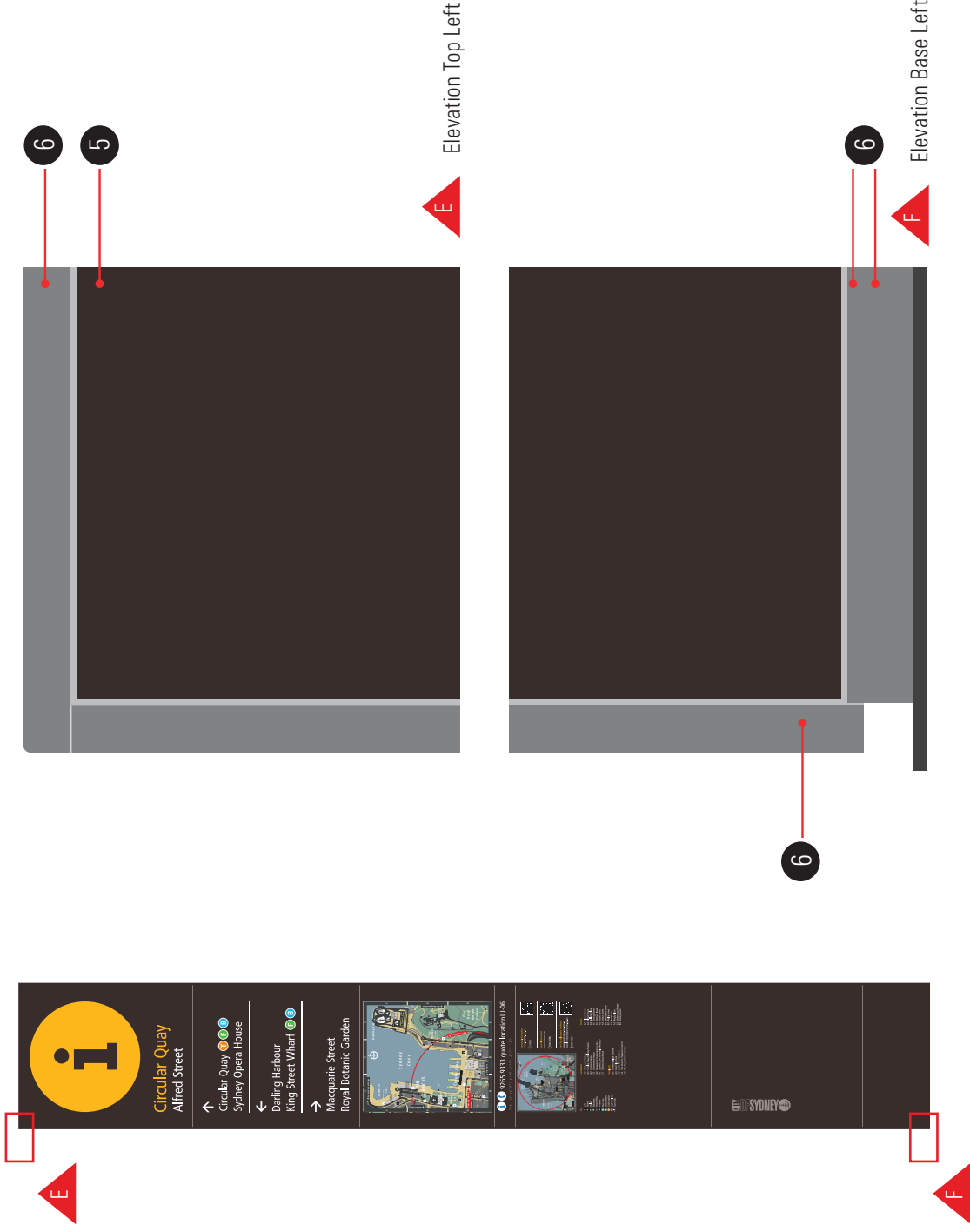
02 9255 9333 [www.bronsoni.co.uk](http://www.bronsoni.co.uk)







Note: Method of assembly and installation subject to contractor shop drawing.



## 1. Foundation

Soil with 100kPa allowable bearing pressure.

Typical reinforced concrete footing.

Pad footing: 1000 x 1000 x 500(D) W/N16@200cts, eachway top + btm.

Top Level of footing is subject to typical - and location-specific surface e.g. pavers or bitumen etc.

## 2. Baseplate & Anchors

16mm base plt Drill and Epoxy.

4M16 using Hilti Hit HY200.

Embed 120mm.

Allow 20mm grout below pit.

## 3. Structural Frame

65 x 35 x 3 MS hotdip galvanised steel channel sections welded and welded to baseplate.

Top and bottom brace channel sections welded to vertical sections.

Two intermediate brace channels, sections welded to vertical sections.

Allow for 30mm wide slots in each brace, except top brace.

## 4. Backing panel

2mm aluminium.

Countersunk stainless steel rivet fixed to structural frame.

## 5. Frame and Face Panels

### 5.1. Frame

"Signlink" Avant Garde HD-or similar- frame in SNA finish.

Unit is 6.5mm thick.

Unit is countersunk -stainless steel- screw fixed to backing plate.

Details subject to supplier specification.

### 5.2. Face panels

Integral part of "Signlink" Avant Garde HD-or similar.

1.2mm aluminium panels with 2mm magnetic sheets applied to 90% of the surface.

### 5.3. Finish

2 pack polyurethane to match Dulux powder coat Precious

Metropolis Bronze Pearl Satin 971-59003.

VHB d/sided tape fixed to frame.

## 6. Outer Frame – Sides and Top

Nominal –but minimal- 6mm stainless steel 316 bar 2B finish. Non-directional orbital finish to exposed surfaces. Edges mirror polished. Smooth outer edges.

Fixing of Frame components to stainless steel frame: stainless grub screws or similar. Nominal 4 for top frame, 8 for side frame.

Base angle: stainless steel grub screws to 2mm stainless steel 316 backing panel.

## 7. Graphics

Reproduction as per artwork and colour specification only.

### 7.1 . Panel 1

City of Sydney logo watermark

Logo screen printed or blind etched as watermark only to panel subject to samples provided for approval.

Overview map, contacts and key

Graphics digitally printed on clear satin. Samples to be prepared by contractor for approval.

### 7.2. Panel 2

Encapsulated Braille/tactile graphics.

Encapsulated polyvinyl membrane, paint applied to rear surface.

Adhesive fixed to 1mm graphic panel. Note the face of the

membrane is to be flush with the graphic panel above and below.

Samples to be prepared by contractor for approval.

### 7.3. Panel 3

Detail map

Graphics digitally printed on clear satin.

Directions

Graphics mask and spray 2 pack polyurethane paint satin.

Sign address and information symbol

Graphics mask and spray 2 pack polyurethane paint satin.

## 8. Notes

- 8.1. All workmanship is to adhere –as a minimum- to relevant Australian standards.
- 8.2. All components of the pylon to have a guarantee/warranty of a minimum of 7 years, implying a lifespan of 20 years.
- 8.3. The 2 pack-polyurethane finish –or similar- is to be supported by suppliers warranty/guarantee.
- 8.4. The digital printing method, product and graphic application is to be supported by suppliers warranty/guarantee.
- 8.5. All applied surfaces require graffiti and UV protection over the nominated lifespan. Method of application is to be supported by suppliers warranty/guarantee.
- 8.6. VHB tape to last the nominated lifespan. Product to be supported by suppliers warranty/guarantee.

## 9. References

- 9.1. Frame and Face Panels: Sign Supply
- 9.2. Digital Printing: Blow –Up Imaging
- 9.3. Stainless steel components: A&G stainless

The product name Signlink is a reference to an Australian system that fulfills the criteria for quality of production, installation, ongoing service and the supply of genuine parts.

The system guarantees precise infill modules, minimal tolerances and guarantees precise retrofitting of elements for the lifetime of the system.

In evaluating ‘alternative’ systems against Signlink, the contractor has to conform with the specifications below and supply a production prototype to the client prior to production.

Additionally an alternative ‘similar/same’ system has to conform to all items below in order for the system to be maintained professionally during the lifetime of the system.

### Signage System Specifications:

Custom cut directory panels made from Aleris HX 55 premium grade, colour guaranteed sheet (sourced from Europe) designed to achieve optimum colour uniformity within the batch and from batch to batch. Satin natural anodised to 20 microns.

Panels to be precisely custom cut within a tight tolerance range of plus nought to minus 0.1mm. All panels guaranteed to fit together irrespective of how panel location within the sign is changed. All panels to abut neatly with a hairline joint without exposing the cut edges of the panel. No rolled edges allowed.

The magnetic tape applied to the back of the panels to have a high quality general purpose acrylic adhesive suitable for both internal and external use. The magnetic to have a UV block-out coat applied to the magnetic surface to prevent interaction (rusting) between the ferrite in the magnet sheet and the background panel. Nominal thickness of 0.8mm thick, and 90% of the back of the panel to have magnetic applied.

The manufacturer of the base products to have ownership (or Similar) control of all the proprietary sections and to carry sufficient stock to service / maintain the product range.

### Intellectual Property

The subcontractor supplying the nominated signs warrants that it does not infringe the intellectual rights of any third party.

“Intellectual Property” means any intellectual or industrial property whether protected by statute, at common law or in equity, including any patent, invention, copyright, or design right (whether or not registerable), in any design, specification, process, technique, software, know how, trade secret, technical information and confidential information.

ABCDEFGHIJKLMNOPQRSTUVWXYZ

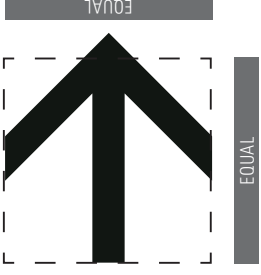
abcdefghijklmnopqrstuvwxyz

1234567890

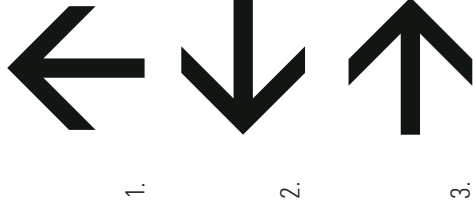
Frutiger 57 Condensed

Tracking: -20

Kerning: Optical



Order of Directions



City of Sydney "Our City, Your Brand"

Secondary Colour – Sunshine Yellow

PMS 1235 C

Proposed colour for Header and key graphic elements.



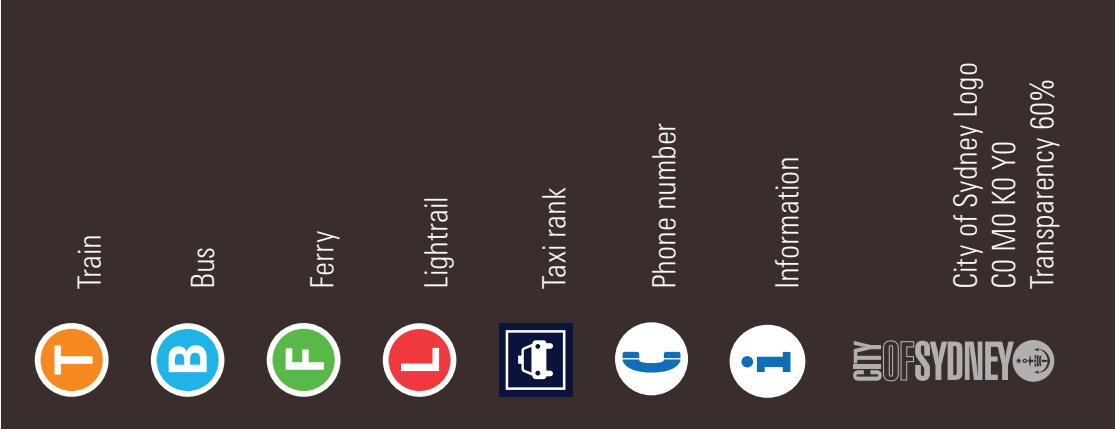
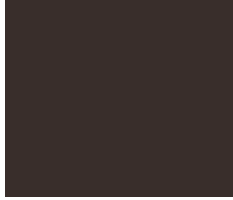
City of Sydney "Public Domain Code"

Dulux powder coat Precious Metropolis

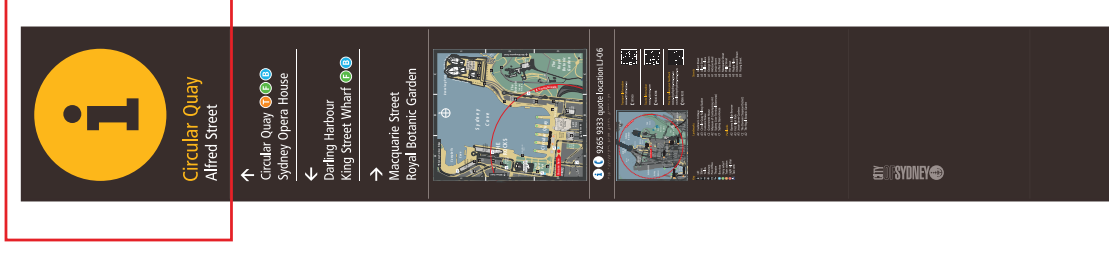
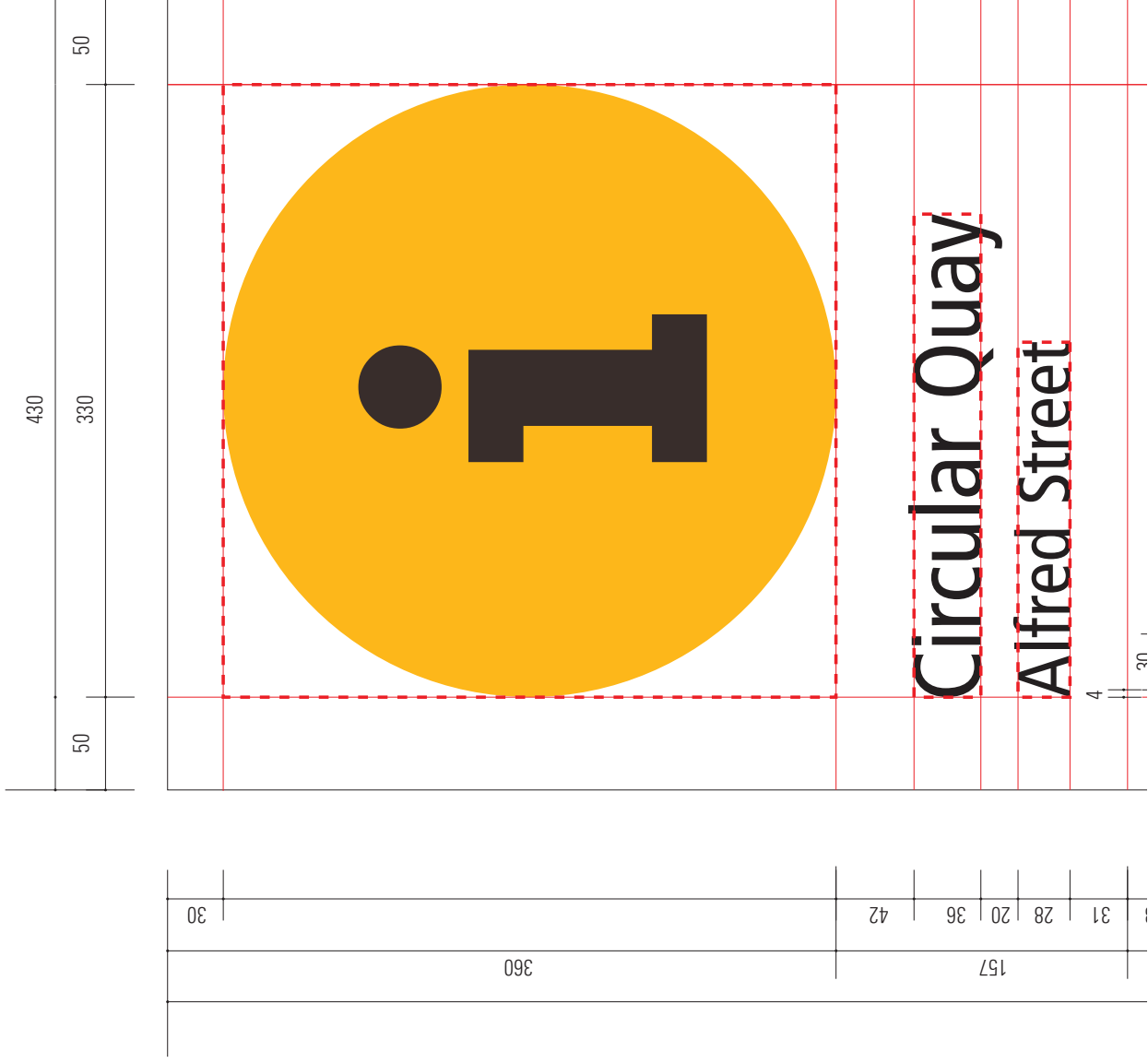
Bronze Pearl Satin 9751-59003

PMS 438C

Colour for main body of pylon sign & background to all sign types.

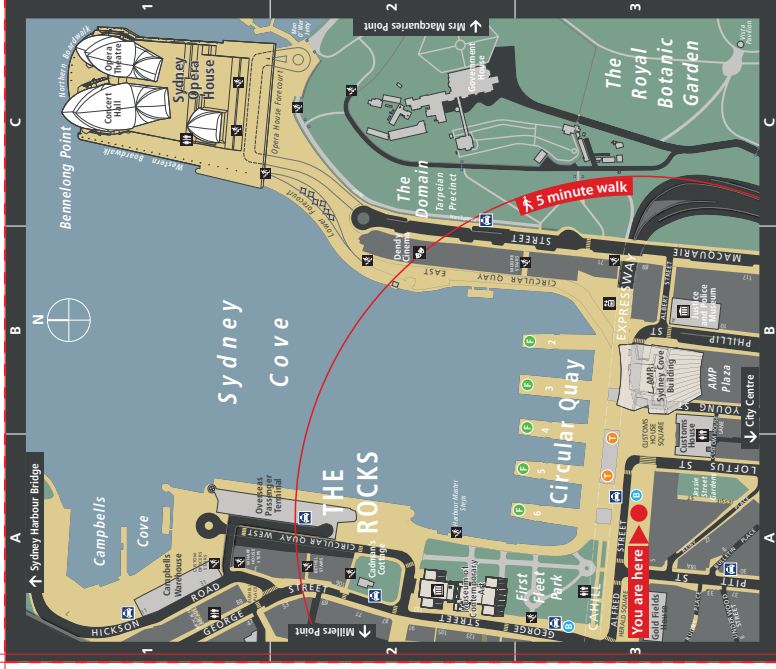








# ROYAL BOTANIC GARDEN

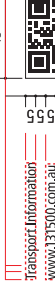



9265 9333 quote location LJ-06



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10.43






**Circular Quay**  
Alfred Street

- ↑ Circular Quay Sydney Opera House
- ↓ Darling Harbour King Street Wharf
- Macquarie Street Royal Botanic Garden



9265 9333 quote location LJ-06



	407	385	11
	59	12968	28
			811

51	1212	180	204	428
52	1212	180	204	428
53	1212	180	204	428

**i**  
Circular Quay  
Alfred Street

↑ Circular Quay Sydney Opera House  
↓ Darling Harbour King Street Wharf  
→ Macquarie Street Royal Botanic Garden

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