

DWP

GUNNEDAH HOSPITAL REDEVELOPMENT

WAYFINDING & SIGNAGE

DOCUMENT NAME:
DESIGN DEVELOPMENT

ISSUE A
FOR REVIEW
10.05.2023

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SIGNLINK SYSTEM

Wayfinding

Wayfinding incorporates all information to be provided for the self-navigational approach to and circulation within the site capturing all user groups and traffic modes day and night.

It captures the pedestrian circulation within the new building for all user groups.

Signage

Signage will be designed with the rural and architectural context in mind and be appropriate in scale and to best practice concerning ease of navigation and legibility of text day and night.

Signage kit-of-parts, look and feel

The design elements should be non-institutional in appearance, provide visual interest and promote a welcoming, warm and therapeutic atmosphere.

The theme of a rural scale and environment as well as the indigenous context in terms of form, material and colour play a key role.

Indigenous Art incorporated with wayfinding

Indigenous references form part of a separate arts strategy through a local artists collaborative.

Compliance

Relevant legislation, guidance and standards relating to the service delivery of the hospital development.

Wayfinding is the system that assists users to find their way through a complex environment.

Patients and visitors at hospitals and other health care facilities face some unique wayfinding challenges.

A successful wayfinding system will provide information for users.

The functional aspects of signage are many-fold.

The tools to assist people in wayfinding can include:

- Printed information.
- Architectural features and design elements.
- Permanent and temporary signage.
- Digital devices e.g. the website.
- Digital technologies for people with disabilities, especially vision impairments, are considered such as 'BlindSquare' and 'Bindimaps'.
- Human interactions e.g. with dedicated staff at information / entry point. It is recommended reliance on staff and volunteers is minimised where possible.
- Mandatory requirements under the BCA and Premises Standards.
- Additional enhanced recommendations in accordance with the spirit and intent of the DDA.

- Complex environments
- Multiple destinations during their visit
- Unfamiliar terminology
- Stress caused by illness or the unknown.

- Confirm correct start or finish point of a journey
- Identify a location within a building or an external space
- Reinforce travel in the correct direction
- Orientation within a building or an external space
- Understand location and any potential hazards
- Identify destination on arrival
- Escape safely in an emergency.

- Integration with the built environment (interfacing with other structures)
- Ergonomics relating to user interface
- Measure of self reliance
- Durability
- Flexibility
- Ease of maintenance
- Value for money.

STRATEGY

New signage will be planned, designed and implemented in accordance with best practice and evidence based design.

The following principles for wayfinding apply:

- **People centric**
Information is aimed at all user groups;
- **Creating Identity**
Clearly identifying the health facility to instill confidence;
- **Clarity of Movement** into and across the site
Avoid any form of ambiguity;
- **Inclusive**
Enables everyone to move, participate equally, confidently and independently in everyday activities.
- **Connectivity**
Provide seamless connections in accordance with progressive disclosure from the macro to the micro level;
- **Future proofing**
Provide a signage system that allows for changes and expansion;
- **Clearly state the entries** and paths to secondary destinations;
- **Relaxed stress reducing design**, colours and placement designed to be non-institutional and connecting with country.

SIGNAGE CATEGORIES

The project will require the following types of wayfinding aids and signage to be included (principal signs only are listed):

Exterior

- a) Site entry identification
- b) Site-wide circulation signage

Interior

- a) Level directories
- b) Directional signs
- c) Reception identifications and directories
- d) Room identifications
- e) Identification of amenities
- f) Department identifications
- g) Bedroom identifications

SIGNAGE LOCATIONS

Physical surroundings are important factors in deciding on location of signs.

Signs are easily noticed and are not obscured by architectural, service or lighting elements.

Signs suit the logical patterns of circulation and the need to be readily visible to all vehicular and pedestrian traffic, externally and internally.

Signs are as close as possible to the point where the message is to be conveyed.

Location has to be cognizant of sufficient distance and time between the sign and the decision point in order for the user to recognize and absorb information to make an informed decision.

SIGNAGE QUANTITIES

Proliferation of signage is to be avoided.

Over-signing can be distracting and will defeat the purpose of providing clear and accessible information.

SIGN MESSAGES

- Messages will be kept simple, short and unambiguous.
- Messages will be written in the English language.
- Internationally accepted and tested pictograms will be used.
- Use of positive rather than negative terminology is best practice.
- Strategy for Gamillaro translations.
Subject to a separate strategy.

NAMING AND MESSAGES

Certain phrases may be ambiguous and may be subject to personal interpretation, hence criteria must be established to reduce confusion and misinterpretation.

Text is to be composed with the following criteria in mind:

1. Consistency
2. Short as possible in order to read quickly
3. Mean the same thing to all viewers
4. Stated positively
5. No acronyms/abbreviations where possible
6. Culturally relevant

UNIVERSAL DESIGN

The principles are:

- Equitable Use
- Flexibility in Use
- Simple and Intuitive to Use
- Perceptible Information
- Tolerance for Error
- Low Physical Effort
- Size and Space for Approach and Use

ERGONOMICS

Ergonomics is the study of designing equipment and devices that fit the human body, its movements, and its cognitive abilities.

Ergonomics (or human factors) is the scientific discipline concerned with the understanding of interactions among humans and other elements of a system, and the profession that applies theory, principles, data and methods to design in order to optimize human well-being and overall system performance.

Ergonomics is employed to fulfill the two goals of health and productivity.

When an environment is visually controlled by intuitive design and by applying a legible layer (signage), the viewers awareness is significantly improved. Apart from cultural and learned experience each viewers perception and response to wayfinding signs are conditioned by certain physical and psychological characteristics, referred to as human factors.

PHYSICAL FACTORS

Normal field of vision (also cone of vision) covers an angle of about 60 degrees. This is 30 degrees from a vertical or a horizontal centre line (30 degrees either side). However this angle is reduced for viewers from within a moving vehicle.

Visual Acuity

Viewers differ considerably in their ability to see clearly.

Reading Rate

The reading rate is significantly improved when information is logically and clearly structured with a minimum of graphic elements.

Legibility (viewing distances) AS 1428.2

- 20mm letter from 6 metres
- 40mm letter form 12 metres
- 80mm letter from 25 metres
- 150mm letter from 50 metres

Eye Level

For a person standing that is about <1.7 metres.

For a person sitting that is 1.3 metres.

For a person sitting in a car that is about 1.4 metres.

This data is important for defining the height above ground for text on signs and the placement of signs above ground.

PSYCHOLOGICAL FACTORS

Figure-Ground Relationship

How shapes or patterns are perceived against a background. Anything which affects a clear perception of the contours may affect recognition of the object.

In learning to read we mentally organise letters into words, learning to distinguish an entire word by its shape. Hence the use of sentence case in this project, where the first letter is upper case and the following letters are lower case.

Luminance contrast between graphics and sign background to be 30%.

Colour Implication

Individuals vary considerably in their ability to distinguish and remember colours. The maximum of six colours – not including white and black- can be distinguished, identified and remembered by viewers, these are:

Red

Blue

Brown

Yellow

Green

Orange

However red and green are difficult to distinguish by viewers with colour blindness.

Factors Affecting Perception

Environmental factors affect the viewers perception of a sign. These are the quality, intensity and colour of ambient light falling on the sign; the physical obstructions of sight lines between the viewer and the sign and the visual environment behind and around a sign.

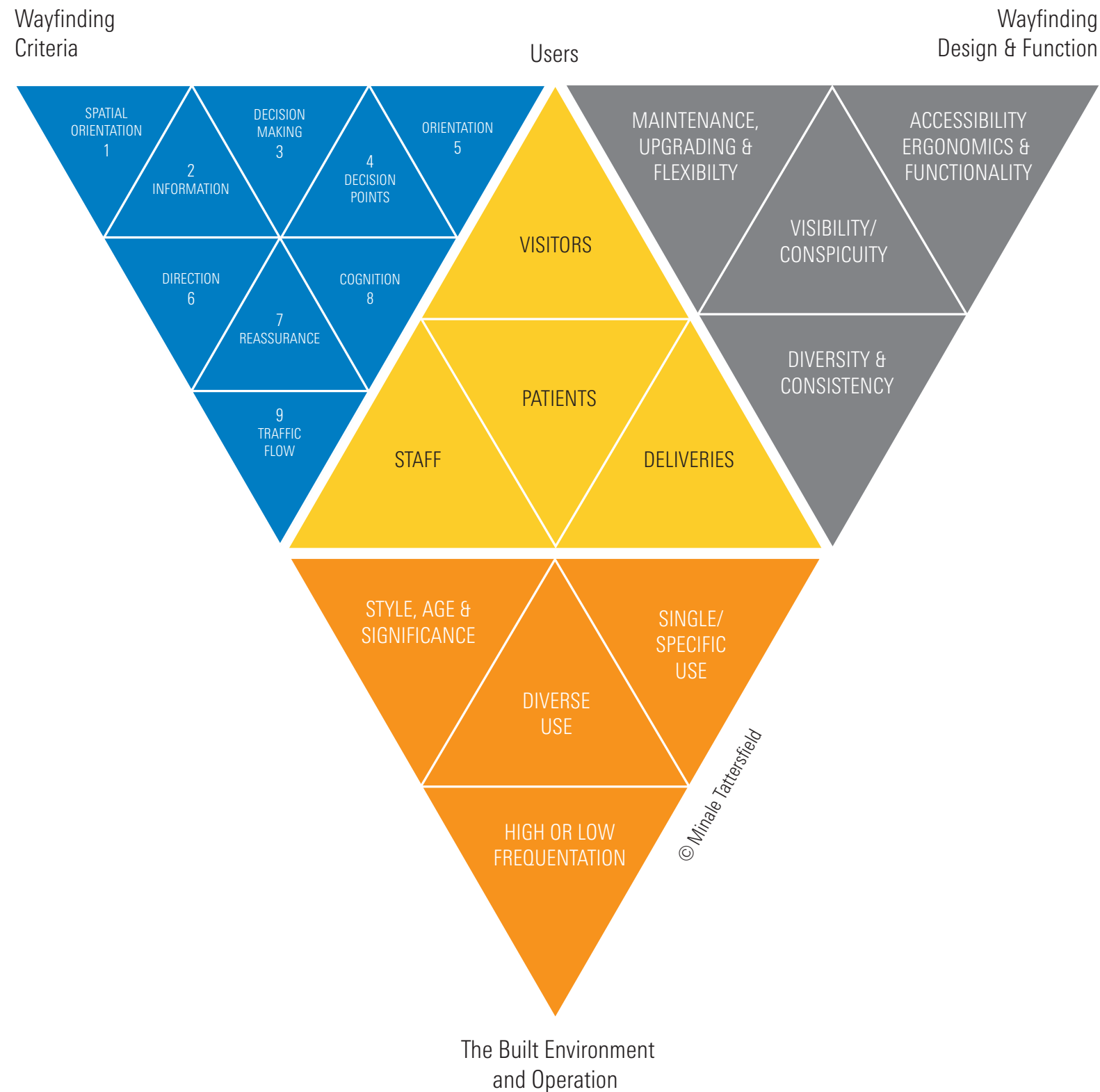
While not all of these factors can be controlled, signs must be placed to enhance sight lines.

Symbols

The majority of people are verbally oriented, absorbing most information through words, while the minority respond to visual devices, such as symbols.

This indicates that typical sign systems require verbal messages. Facilities such as airports often use symbols to reinforce the verbal message or act as a stand alone message. Symbols must be of international standards.

Integral Components of the System



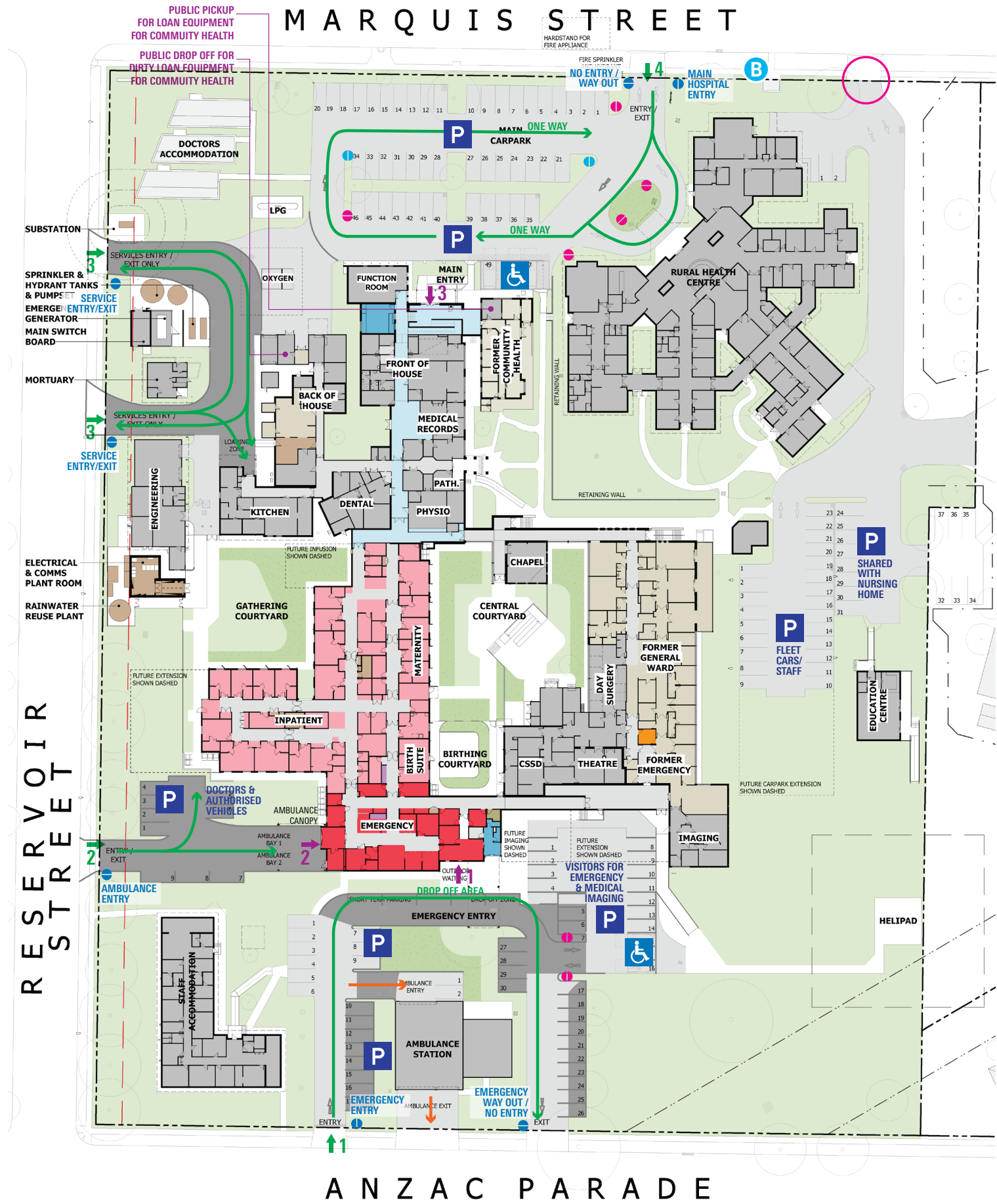
This diagram illustrates the reliance between larger scale and smaller scale elements when planning, designing, implementing and maintaining a wayfinding system.

All elements rely on each other and each represent a consideration necessary for a successful system.

This illustrates the reliance between:

- User groups.
- Environment, the different scales of the project environment.
- Wayfinding criteria, which are elements required in planning a system for the needs and benefits of the user.
- Wayfinding design and function, which are elements required when designing a system for the needs and benefits of the user and the requirements for maintaining the system.





- Key Signs**
- Entry Pylon
 - Vehicular Directional Sign
 - Pedestrian Directional Sign

- Circulation**
- Vehicular Entry for Emergency
 - Pedestrian Entry for Emergency
 - Ambulance Vehicular Entry
 - Ambulance Entry to Emergency
 - Ambulance Vehicles
 - Services Vehicular Entry (Loop to Exit)
 - Hospital Vehicular Main Entry/Exit
 - Pedestrian Entry to Hospital
 - Parking
 - Accessible Parking
 - Bus Stop
 - Not in Scope

- DEPARTMENT LEGEND**
- EXISTING BUILDING
 - FRONT OF HOUSE
 - PLANT / ENGINEERING
 - INPATIENT UNIT
 - EMERGENCY DEPARTMENT
 - DAY SURGERY & THEATRES
 - VACANT

- SITE LEGEND**
- TURFED AREA
 - MASS PLANTING OF NATIVE GRASSES
 - MASS PLANTING AREA
 - PAVING TYPE 1
 - PAVING TYPE 2
 - EXISTING ROADWAYS/PARKING
 - NEW ROADWAYS/PARKING

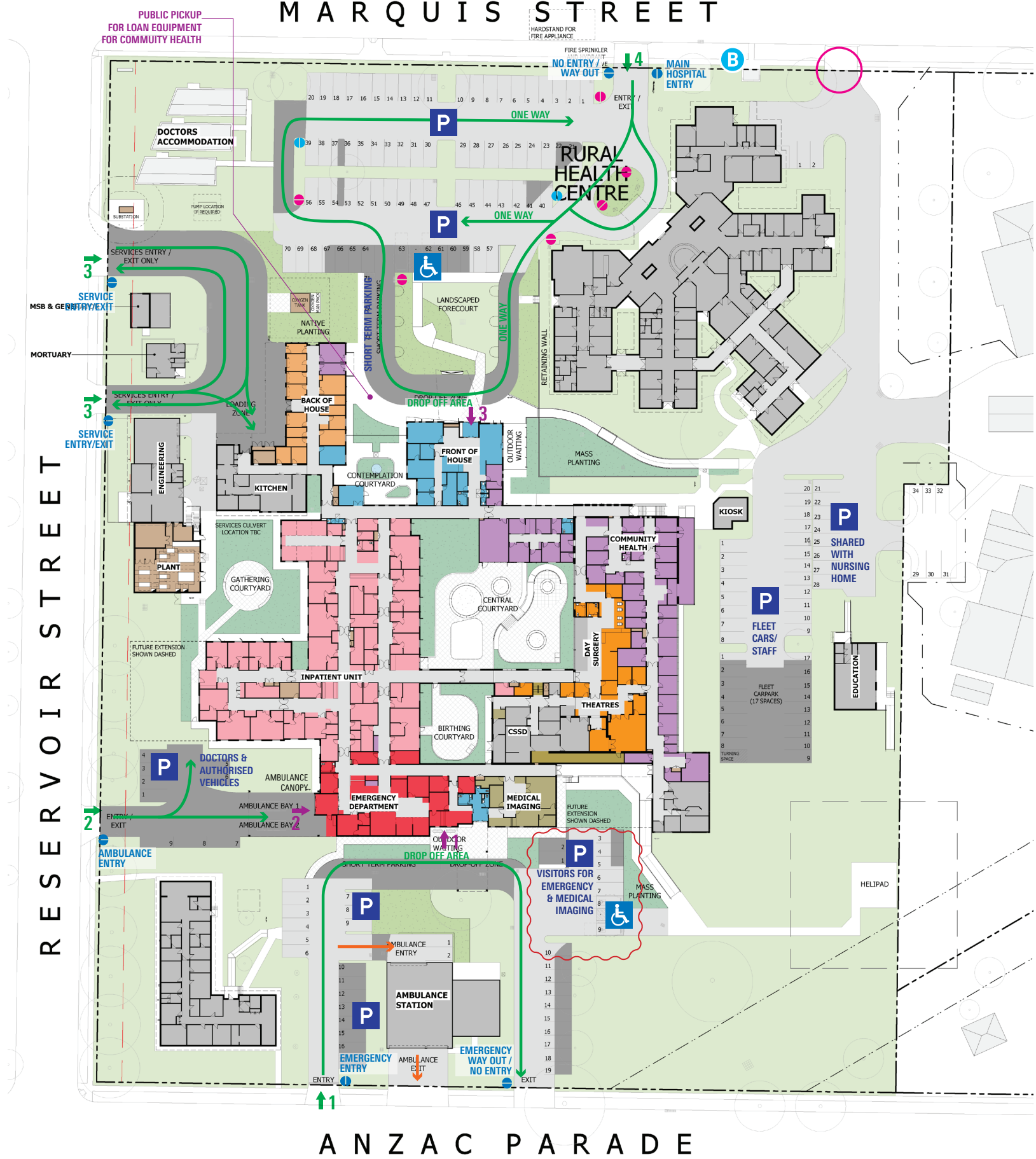


Key
Signs

- Entry Pylon
- Vehicular Directional Sign
- Pedestrian Directional Sign

Circulation

- Vehicular Entry for Emergency
- Pedestrian Entry for Emergency
- Ambulance Vehicular Entry
- Ambulance Entry to Emergency
- Ambulance Vehicles
- Services Vehicular Entry (Loop to Exit)
- Hospital Vehicular Main Entry/Exit
- Pedestrian Entry to Hospital
- Parking
- Accessible Parking
- Bus Stop
- Not in Scope



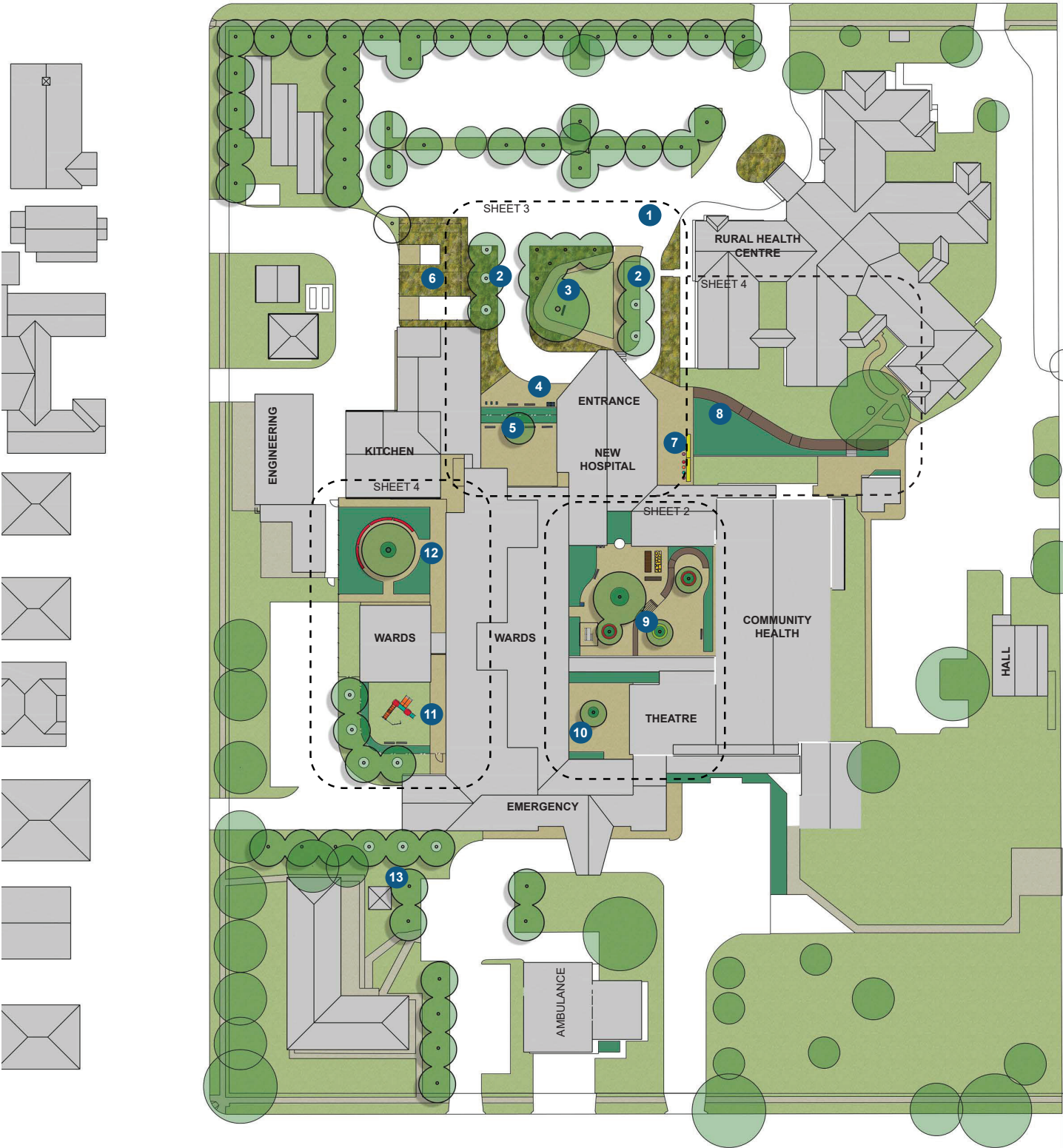
NOTES

- 1. Existing Marquis Street Carpark is to be expanded with one way drop off zone at the hospital entrance. Native tree plantings provide shade with ornamental native grasses in central median.
- 2. Entrance forecourt with avenue of Chinese Elm (Ulmus parvifolia).
- 3. Accessible pathway from carpark to hospital entrance. Seating Area under feature large shade tree.
- 4. Paved forecourt at Hospital entrance with amenities including seating, bubbler rubbish bins and bicycle rack.
- 5. Private Courtyard within hospital with security fence and screen hedge plantings.
- 6. Native grasses to screen gas tanks.
- 7. Lookout Benches provide a waiting area near the hospital foyer.
- 8. Ramp access to lower level with connection path through to the Kiosk and Community Health Building. Mass planting provides amenity to an outdoor seating area.
- 9. The central patient courtyard is constructed in two tiers. This secure courtyard is visible from adjoining patients rooms and provides a place for gathering, access to outdoors, patient rehabilitation and is looked upon from within the inpatient wards. Four deciduous trees will provide shade, seasonal change and winter sunlight. A range of seating options will be provided for patients. The ramp and stair access to the lower terrace will provide built in seating along the level change and opportunities for patient rehabilitation. An area with varying ground treatments has also been included adjacent to the gym to aid in patient rehabilitation. Plantings will incorporate an indigenous healing garden with local medicine plants and imprints of plants on the concrete wall façade or interpretive signage will tell indigenous stories of healing and medicine plants. Indigenous sculpture or interpretative signage will provide connection to country.
- 10. The birthing courtyard is accessed from the birthing rooms, with through access to the theatre room. This courtyard will contain the transplanted magnolia from the existing facility with movable furniture and planting around the periphery to soften the space.
- 11. The western courtyard provides a breakout space for patients and families. The existing playground equipment will be relocated in this area with synthetic grass softfall.
- 12. A circular gathering courtyard will provide a quiet zone with seating in a semi-private setting. This area is secured with 1.8 metre high fencing along the western side.
- 13. The area surrounding the ambulance access and emergency access will be provided with shade trees and low maintenance lawn areas. 1.8 metre high security fencing separates these areas from the internal hospital courtyards.

Landscaping Site Areas	
Total Area of Lot 3 in DP 792209	32,620m² (by Title)
Existing Hospital Landscape Area	13,213m² (40.5%)
Proposed Hospital Redevelopment	13,025m² (40%)

LEGEND

	EXISTING TREE TO BE RETAINED
	PROPOSED TREE
	MASS PLANTING AREA
	MASS PLANTING OF NATIVE GRASSES
	TURFED AREAS
	PAVING TYPE 1
	PAVING TYPE 2
	SYNTHETIC GRASS UNDER PLAYGROUND EQUIPMENT
	FURNITURE - WHEELCHAIR ACCESSIBLE PICNIC SETTING
	FURNITURE - LOOKOUT BENCH SEATING
	FURNITURE - STANDARD SEAT WITH ARMREST AND BACKREST
	FURNITURE - RUBBISH BINS
	FURNITURE - BIKE STAND
	FURNITURE - CIRCULAR SEAT AROUND TREE





Theme of contour lines as graphic to glazing.



Gunnedah Shire logo using the theme of the landscape.



Theme of pebbles, solid and outline shapes



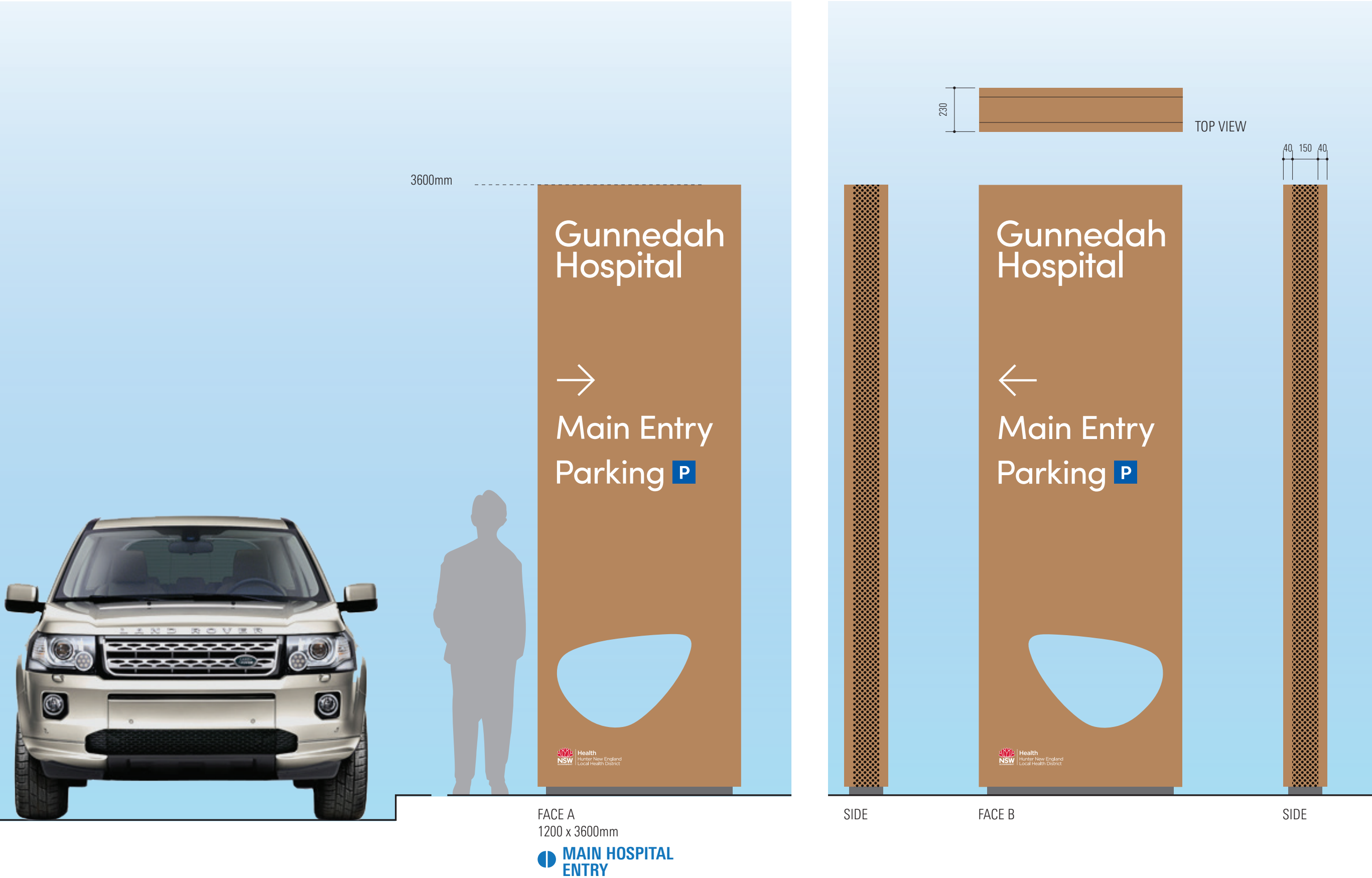
Close-up of pebbles, solid and outline.

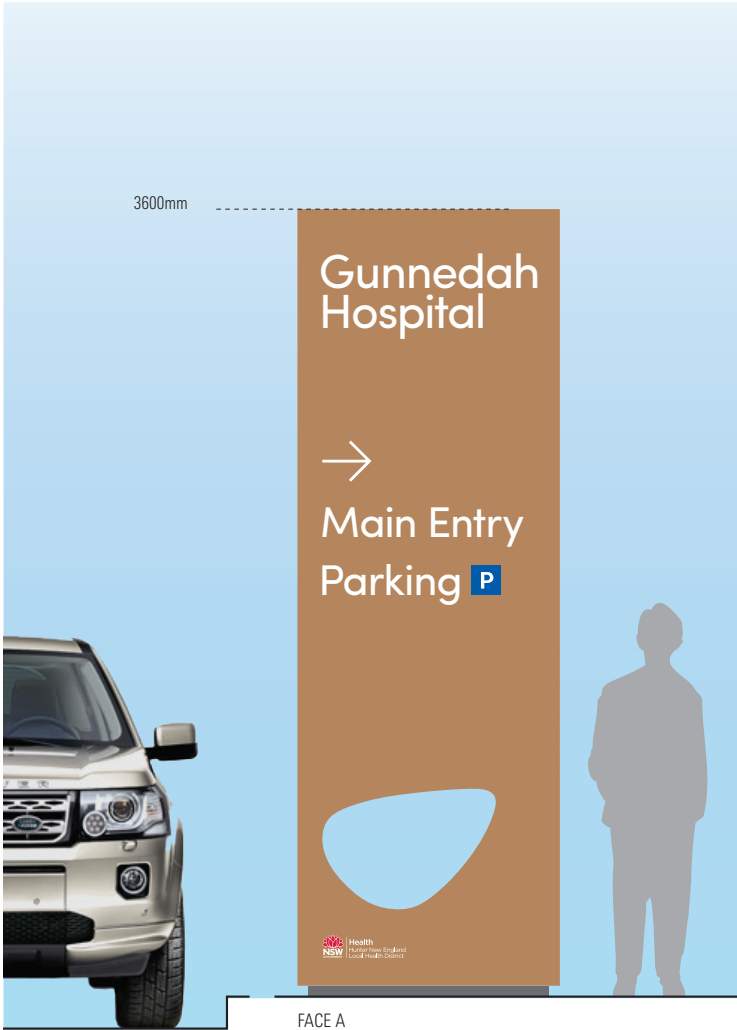
Gunnedah Hospital is in a rural setting. Gunnedah is a town in north-eastern New South Wales, situated within in the Liverpool Plains, a fertile agricultural region. The population is roughly 10000.

Gunnedah and the surrounding areas were originally inhabited by Aboriginal Australians speaking the Kamilaroi (Gamilaraay) language. The name of the town in Kamilaroi means “Place of White Stones”.

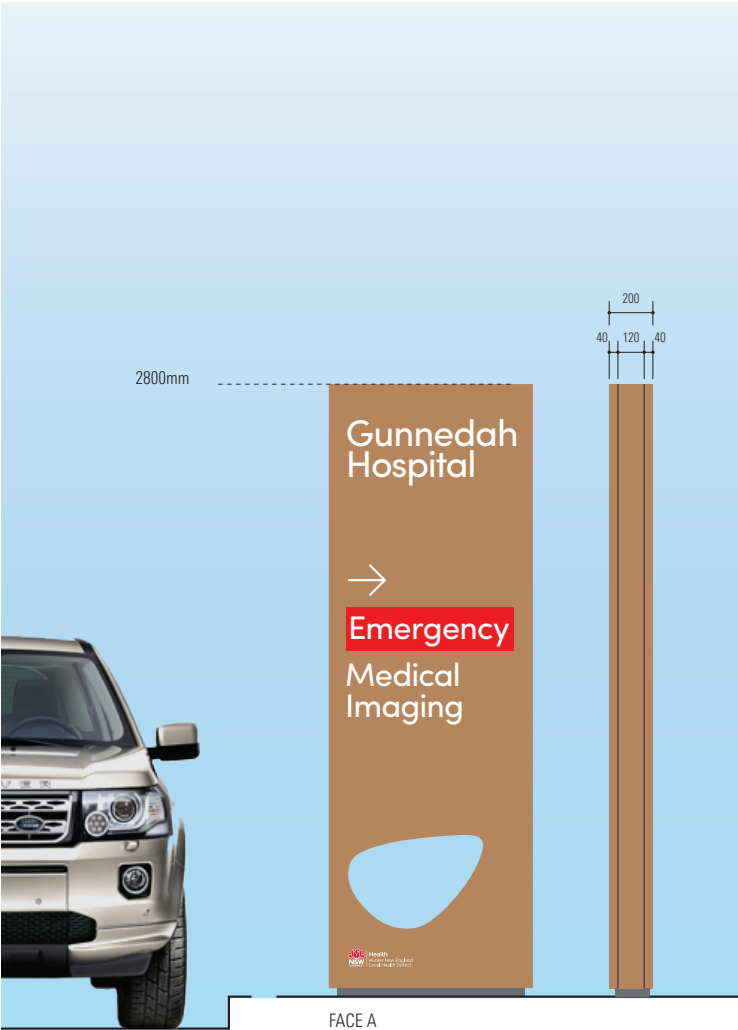
In order to create a context to aboriginal history and the rural setting we have chosen the theme of pebbles/stones of which the shape is curvilinear and has connotations with topography, contour lines and the landscape in general.

The theme can be used for 2D applications and 3D applications for signs and graphics. Currently we are showing an earthy colour for signs but also variations for further development and selection.

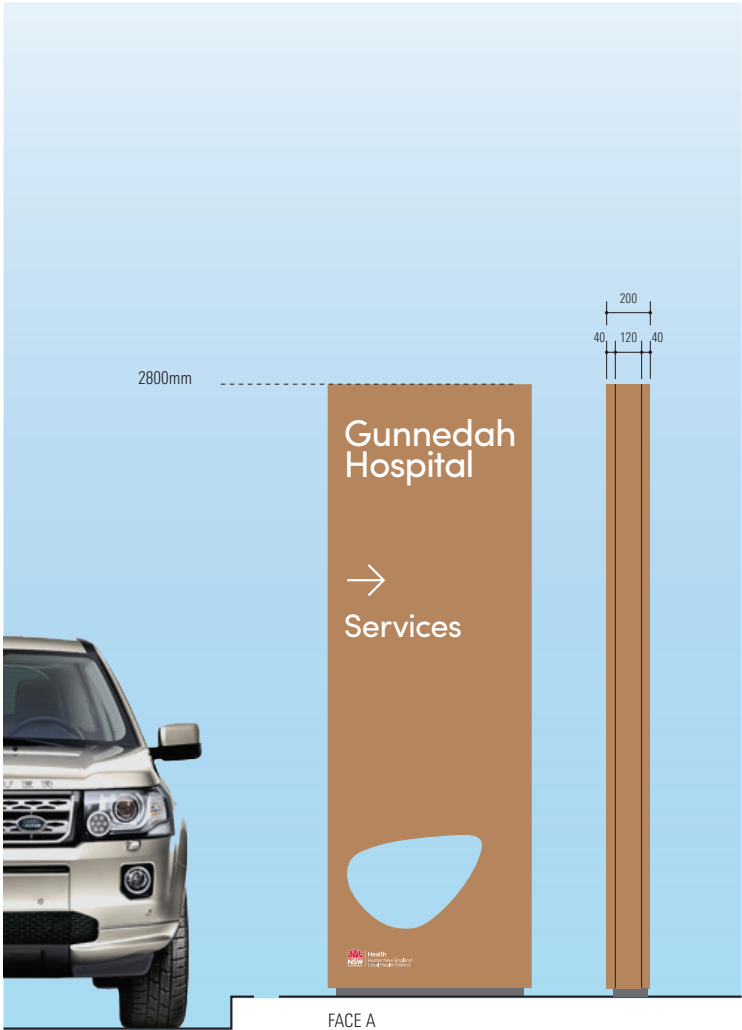




FACE A
1200 x 3600mm
Cap Height: 151mm & 135mm
● MAIN HOSPITAL ENTRY



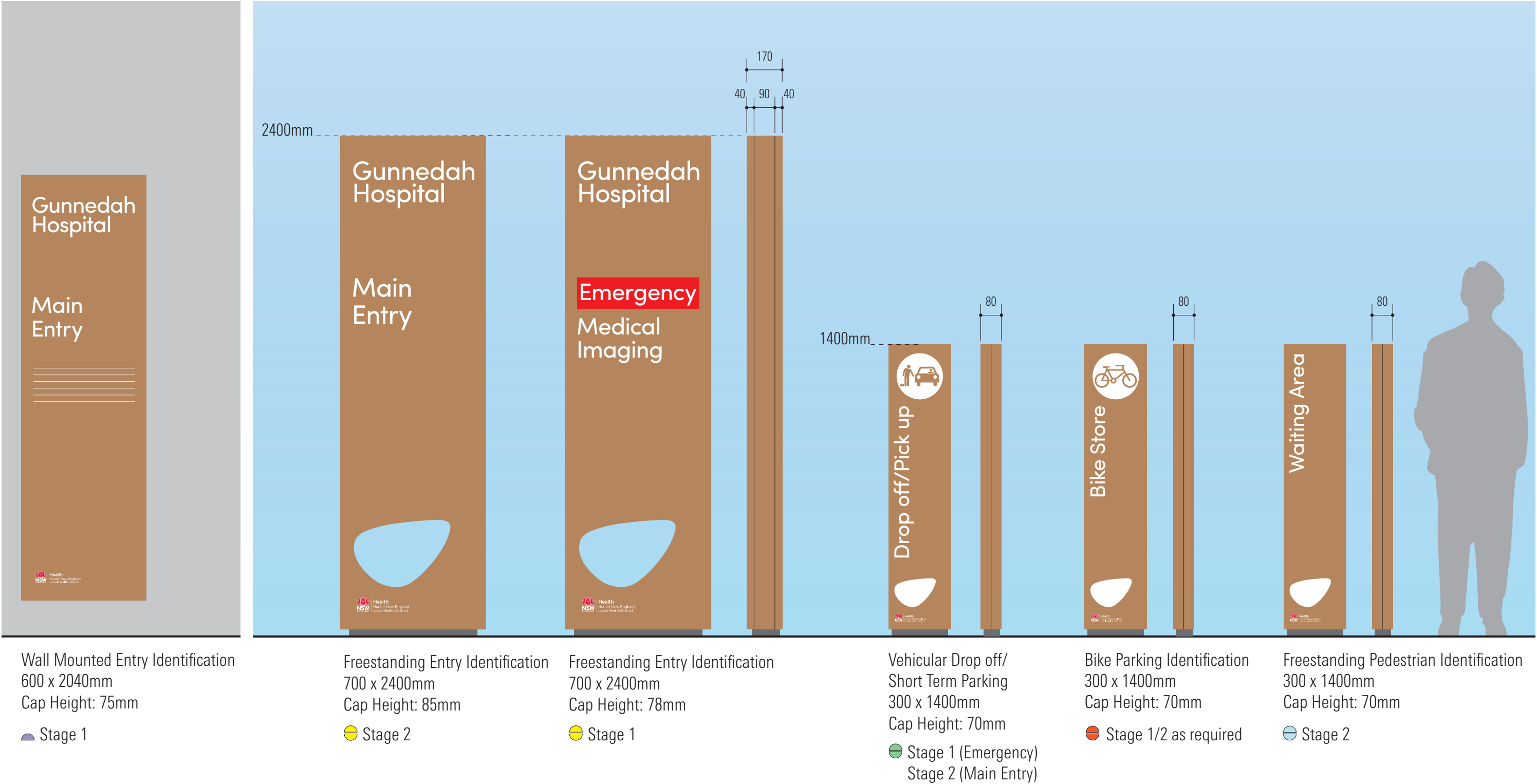
FACE A
930 x 2800mm
Cap Height: 115mm & 100mm
● EMERGENCY ENTRY



FACE A
930 x 2800mm
Cap Height: 115mm & 100mm
● SERVICES ENTRIES/EXITS



FACE A
930 x 2800mm
Cap Height: 115mm & 100mm
● AMBULANCE ENTRY





DAY TIME



NIGHT TIME
GRAPHICS AND EDGE INTERNALLY ILLUMINATED

SPECIFICATIONS

FOOTING – FREESTANDING MARKERS

Reinforced concrete footing below ground to structural engineer’s design and certification. Top of footing nominal 100mm below finished ground. Hard or soft landscaping to be reinstated by contractor. Search for underground services by specialist consultants engaged by sign manufacturer. Diagrams and plans to be provided with shop drawings by signage contractor.

Adjustments to nominated locations may be necessary to be reviewed by client and authorities. Bridging footings may be necessary to avoid redirecting existing services.

Signs may also be fixed to concrete slab closer to the building. No details of signfixing are visible.

STRUCTURAL FRAME – FREESTANDING MARKERS

Hot dipped galvanised and fabricated channel frame with baseplate, gussets where required and suitable galvanised anchors are to be shown and specified in detail in signage contractor shop drawings. Structural design and certification by structural engineer. The frame is welded to the baseplate and anchored to the footing below ground.

CLADDING – FREESTANDING MARKERS

Nominal 4mm aluminium panels folded as shown (pan construction) and fixed to frame.

One continuous sheet for each face.

Face folded nom. 40mm return on edge (subject to sign size and drawings.

THE PEBBLE SHAPED PENETRATION

The penetration in the sign is computer cut into face panels and the depth is lined with a 2mm aluminium panel rolled to match the shape and welded to the face panels, all edges smooth and no joints visible.

This may require internal support frame/angles.

Signage contractor to prepare detailed shop drawings for review and approval.

3.6M MAIN MARKER

PERFORATED FEATURE CLADDING

Perforated aluminium panel folded approx. 40% open area, and max. 5mm dia. holes.

The panel is fixed to frame to a method which allows access to LED lights in channel.

Signage contractor to provide sufficient detailing in shop drawing to review the method of construction and assembly.

Colour of panel to match colour of face panel.

ELECTRICAL FEED

Allow for electrical conduit to house 240V cable. Connection to power source by contractor subject to search and consultation with client and authorities. Connection to feed provided by others approx. 2 metres from marker.

SAFETY SWITCH AND DIMMER

Location of safety switch to be shown on signage contractor’s shop drawings. Dimming devise for lighting is a requirement. A timer is a requirement and must be controlled from one location for all signs.

LIGHTING

LED’s – 5 year / 80,000hrs Tridonic or similar white sealed unit LED’s with exterior grade convertors. All LED’s at minimum IP65 rating. Ensure convertors are housed in a IP65 rated lockable box. Ensure wiring diagrams forms part of “As built” supplied at approval and end of project. All lighting components are to be documented in signage contractor shop drawings. The product name underlines the requirement that no other inferior products are allowed for this project.

2.8M & 2.4M MARKERS

CLADDING

Nominal 4mm aluminium panels folded as shown (pan construction) and fixed to frame.

One continuous sheet for each face.

Face folded nom. 40mm return on edge (subject to sign size and drawings.

Centre panel flush with face panel folds.

1.4M MARKER

CLADDING

Nominal 4mm aluminium panels folded as shown (pan construction) and fixed to frame.

One continuous sheet for each face.

Face folded nom. 40mm return on edge (subject to sign size and drawings.

IDENTIFICATION SIGN TO STAGE 1
MAIN ENTRY

Internal aluminium frame SHS/RHS nom. 40mm deep.

One sheet folded nom. 40mm return on edge.

Colour/paint and graphics as per specifications for freestanding signs.

Signage contractor to prepare detailed shop drawing for review and approval.

FINISH

PAINT AND COLOUR FOR SIGNS

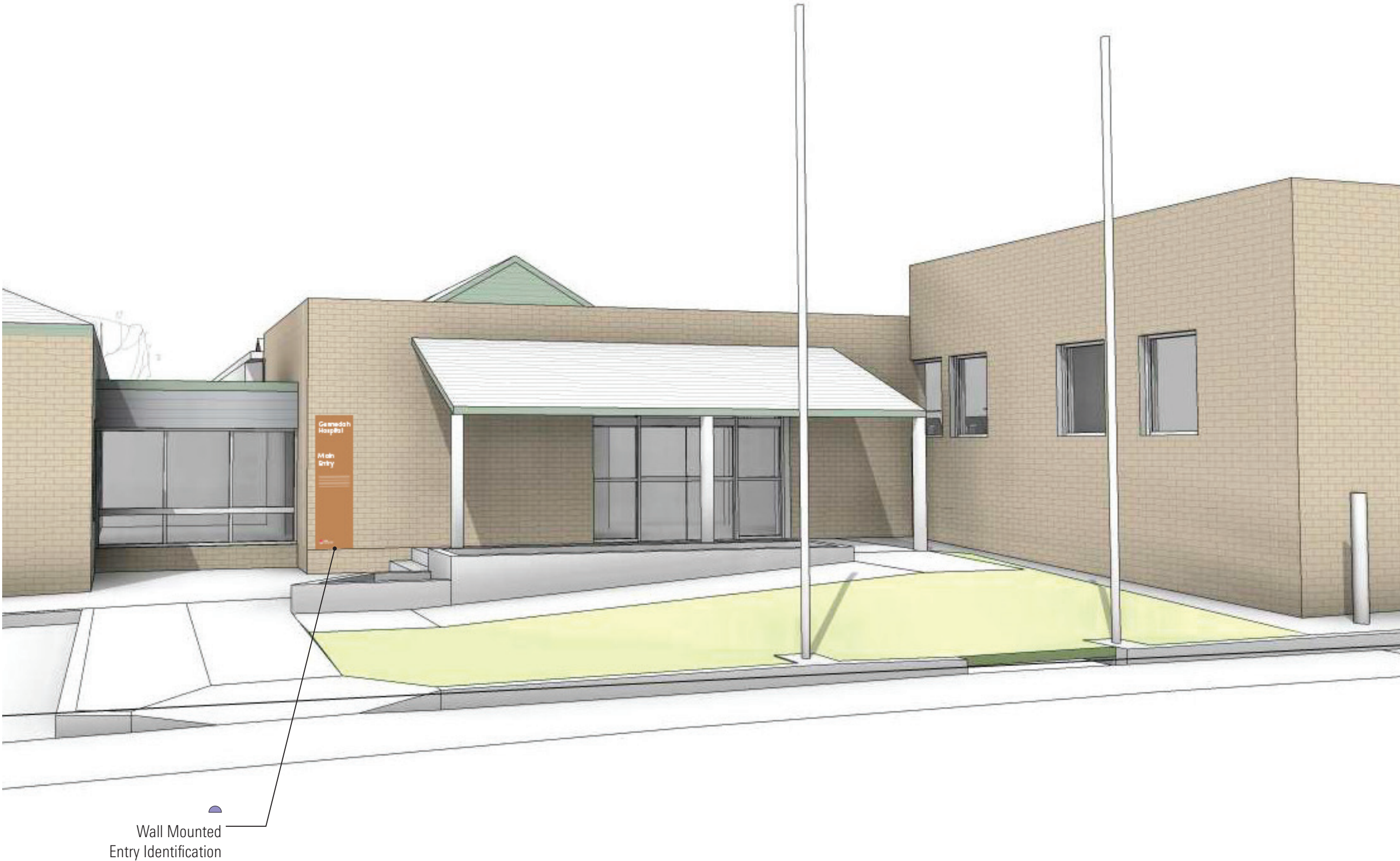
2 pack polyurethane Dulux Indian Reed satin.

GRAPHICS

Cast vinyl

Colours:
Arrows and typical names: white
Red: vinyl to match PMS 1797C
Blue: PMS 2935C

Graphics – LHD logo
White Digital Print 3M, 7-year with exterior quality over-laminate to suit, as shown on elevations



Identification Pylon
for Waiting Area

Freestanding
Main Entry
Identification





EMERGENCY & MEDICAL IMAGING ENTRY

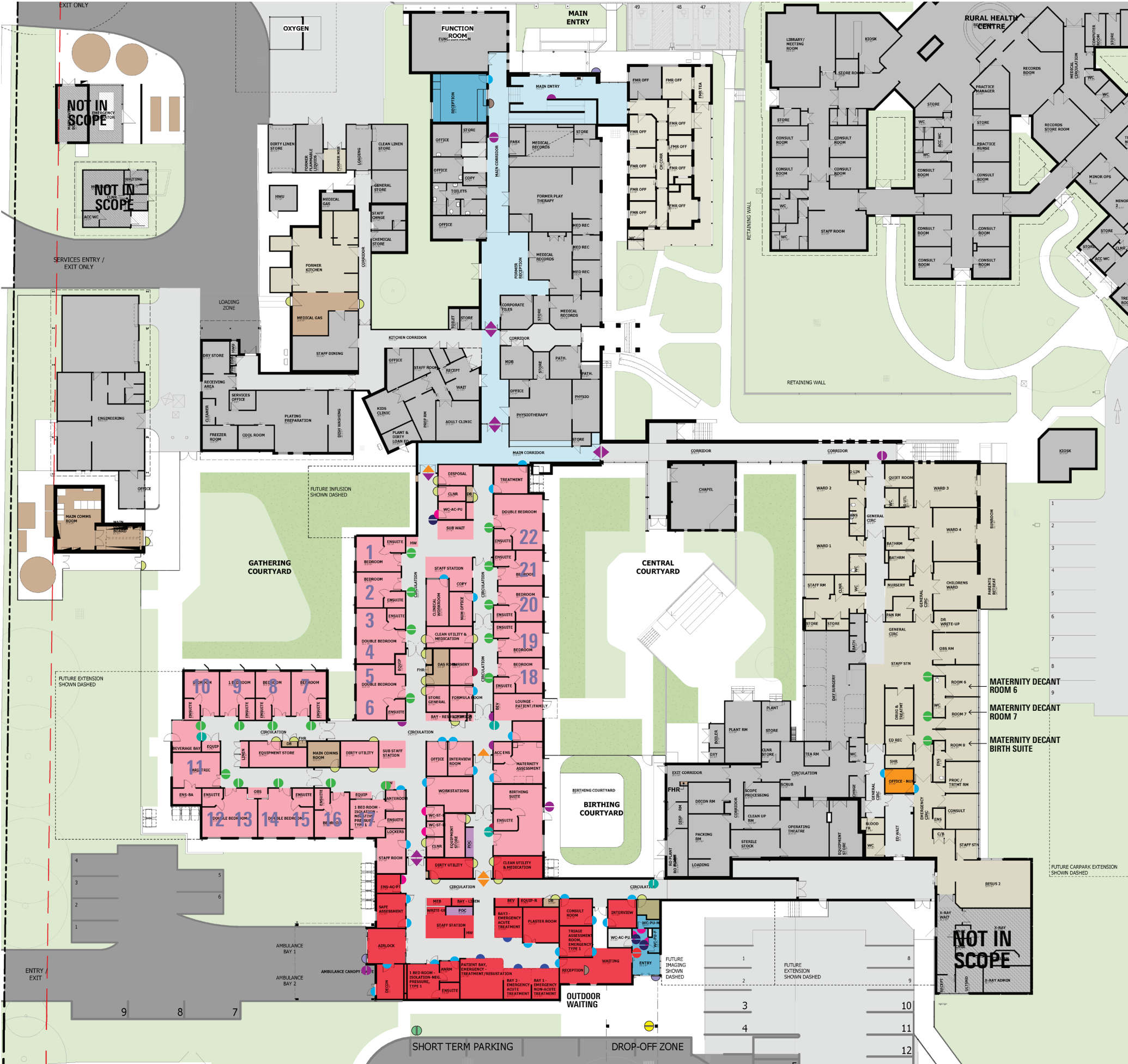
- Entry Identification
- Freestanding Entry Identification



AMBULANCE ENTRY

- Entry Identification
- Perpendicular Sign Directing to Decon Entry

BUILDING PLAN
STAGE 1



Key
Signs

- Freestanding Entry Identification
- Entry Identification
- Freestanding Pedestrian Identification
- Vehicular Drop Off/Short Term Parking
- Bike Parking Identification
- Reception Identification
- Wall Mounted Directional Sign
- Directional Sign to Bulkhead
- Projecting Directional Sign
- Wall Mounted Department ID
- Projecting Department Identification
- Department Identification to Bulkhead
- Large Room Identification
- Typical Room Identification
- Bedroom Identification
- Projecting Bedroom Identification
- Bed/Bay Identification
- Projecting Room Identification
- Staff Only Door Sign
- Braille Tactile
- Projecting Amenity Identification
- Plant/Utility Identification

Circulation

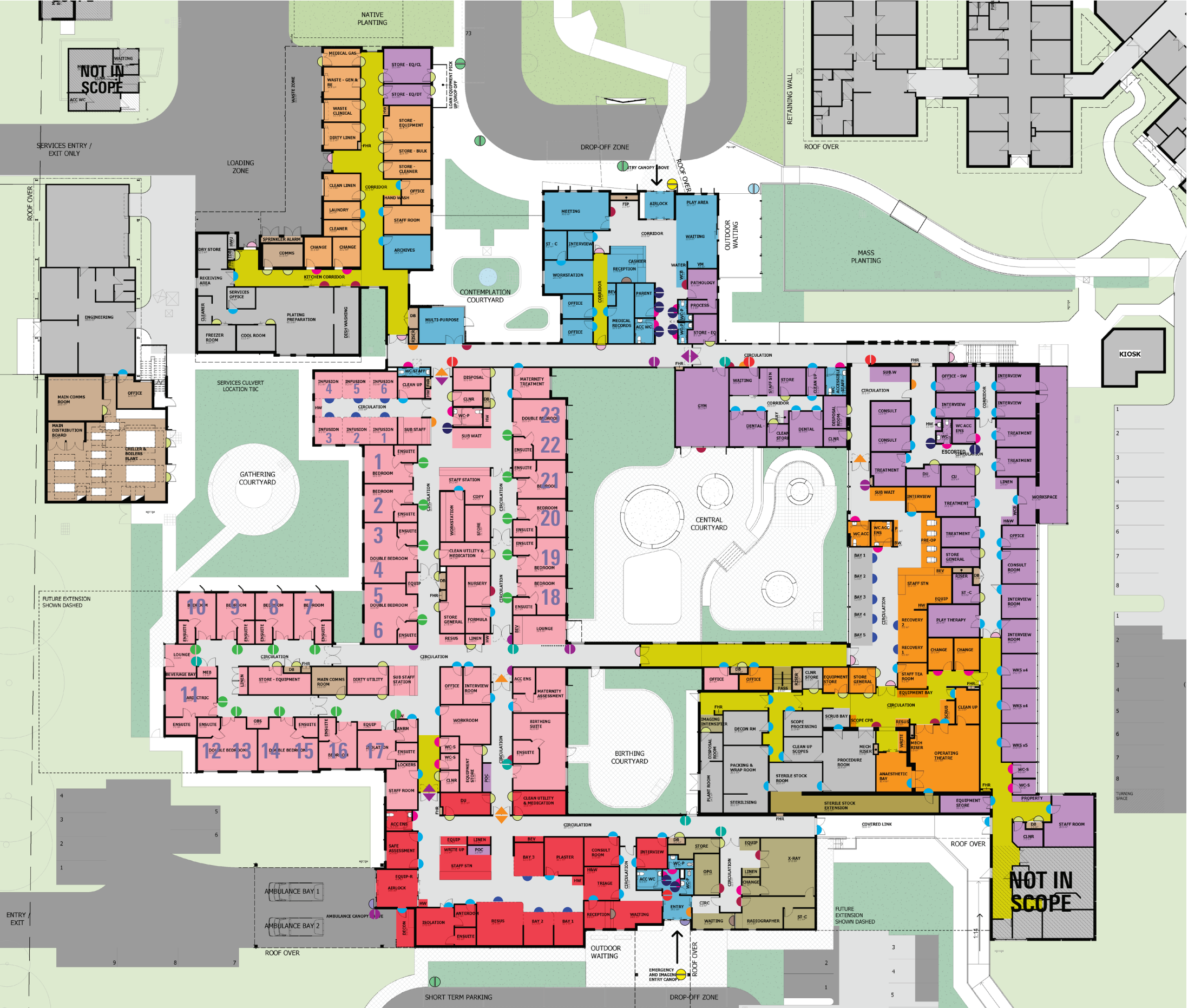
- Entry
- Public Circulation
- Staff Circulation

DEPARTMENT LEGEND

- EXISTING BUILDING
- FRONT OF HOUSE
- PLANT / ENGINEERING
- INPATIENT UNIT
- EMERGENCY DEPARTMENT
- DAY SURGERY & THEATRES
- VACANT



BUILDING PLAN
STAGE 2



Key
Signs

- Freestanding Entry Identification
- Entry Identification
- Freestanding Pedestrian Identification
- Vehicular Drop Off/Short Term Parking
- Bike Parking Identification
- Reception Identification
- Wall Mounted Directional Sign
- Directional Sign to Bulkhead
- Projecting Directional Sign
- Wall Mounted Department ID
- Projecting Department Identification
- Department Identification to Bulkhead
- Large Room Identification
- Typical Room Identification
- Bedroom Identification
- Projecting Bedroom Identification
- Bed/Bay Identification
- Projecting Room Identification
- Staff Only Door Sign
- Braille Tactile
- Projecting Amenity Identification
- Plant/Utility Identification

Circulation

- Entry
- Public Circulation
- Staff Circulation

LEGEND

- EXISTING BUILDING
- FRONT OF HOUSE
- BACK OF HOUSE
- PLANT / ENGINEERING
- COMMUNITY HEALTH
- IMPATIENT UNIT
- EMERGENCY DEPARTMENT
- MEDICAL IMAGING
- DAY SURGERY & THEATRES
- STAFF AREA



INTERNAL SIGN FAMILY

OPTION SHAPE 1

2 COLOUR OPTIONS – INDICATIVE GRAPHICS



Projecting Directional



Projecting Amenity Identification



Projecting Department Identification



Wall Mounted Directional



Department Identification to Bulkhead



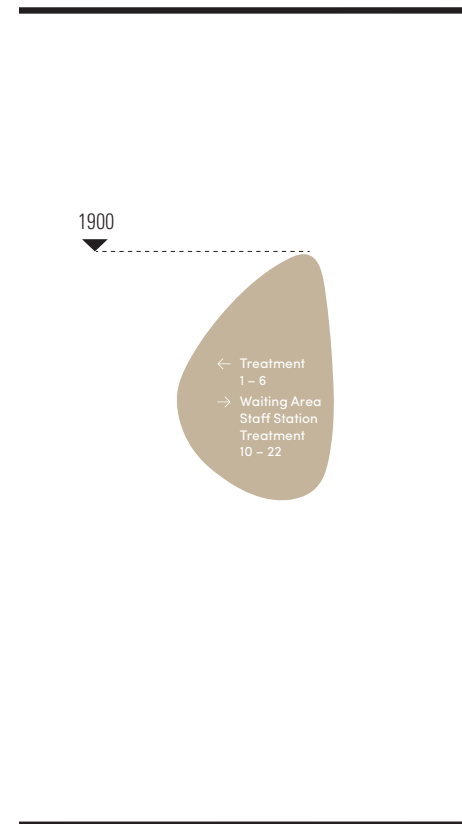
Room Identification

INTERNAL SIGN FAMILY

OPTION SHAPE 2



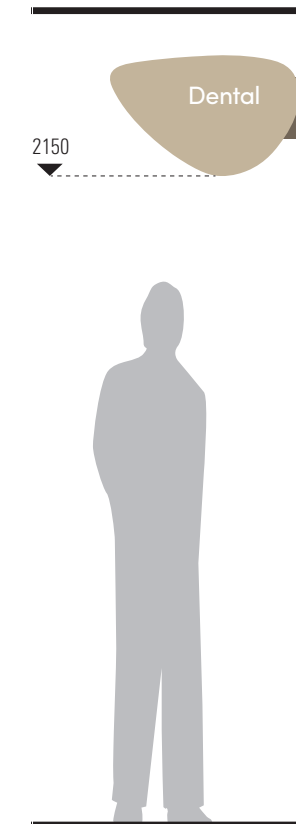
Projecting Directional



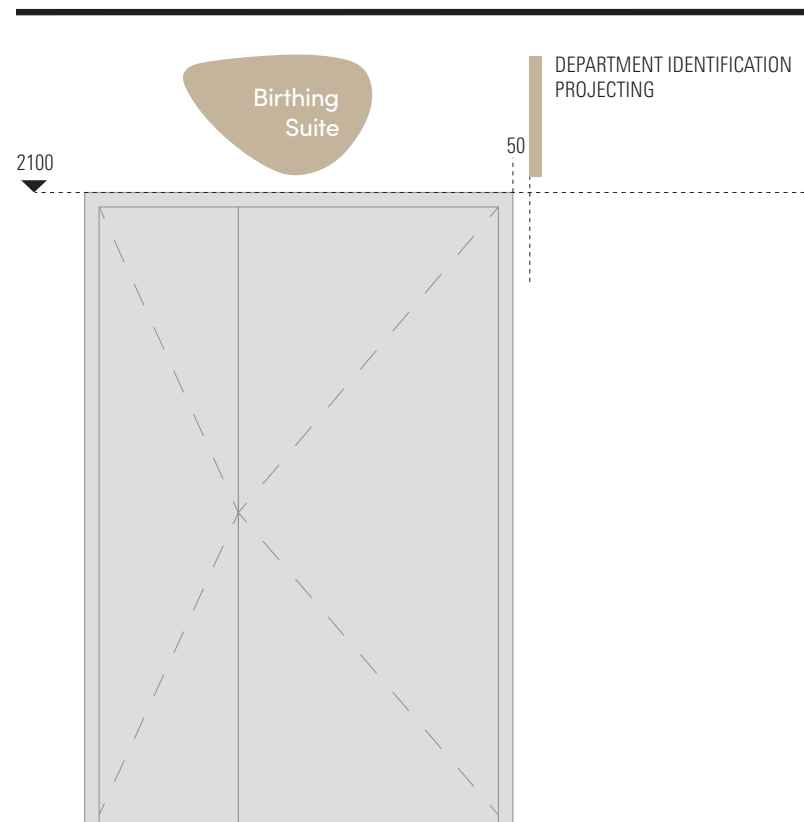
Wall Mounted Directional



Projecting Amenity Identification



Projecting Department Identification



Department Identification to Bulkhead



Room Identification

WALL MOUNTED DIRECTIONAL

Construction

Signlink Signsystems. Avant Garde frame or similar.
All visible parts of frame painted satin to match colour of sign face.

Fixing

Mechanically fixed using internal mounting rail.

Graphic Application

Graphics digital print onto 3M IJ40-10 Polymeric Gloss White vinyl. Overlaminated with 3M IJ40-124 Polymeric Matte Clear vinyl.

DEPARTMENT IDENTIFICATION TO
BULKHEAD

Construction

Signlink sign systems. “Avant Garde” frame.
All visible parts of frame painted satin to match colour of sign face.

Fixing

Invisibly fixed to surface.

Graphics

Typeface and colours to match graphic specifications in this document.

Graphic Application

Graphics digital print onto 3M IJ40-10 Polymeric Gloss White vinyl. Overlaminated with 3M IJ40-124 Polymeric Matte Clear vinyl.

PROJECTING SIGNS
DIRECTIONAL, AMENITY,
DEPARTMENT IDENTIFICATION

Construction

Signlink sign systems, projecting “Top Hat” sign.
All visible parts of frame painted satin to match colour of sign face.

Fixing

Invisibly fixed to wall.

Graphics

Typeface and colours to match graphic specifications in this document.

Graphic Application

Graphics digital print onto 3M IJ40-10 Polymeric Gloss White vinyl. Overlaminated with 3M IJ40-124 Polymeric Matte Clear vinyl.

Notes

Clearance underside of ceiling signs to floor min. 2100mm, typical 2400mm.

Signage contractor to provide a typical sample and Shop drawing for approval.

ROOM IDENTIFICATION

Construction

Signlink Signsystems. Avant Garde Frame. All visible parts of frame painted satin to match colour of sign face.

Fixing

Sign mechanically fixed to wall (not visible).

Graphics

Typeface and colours to match graphic specifications in this document.

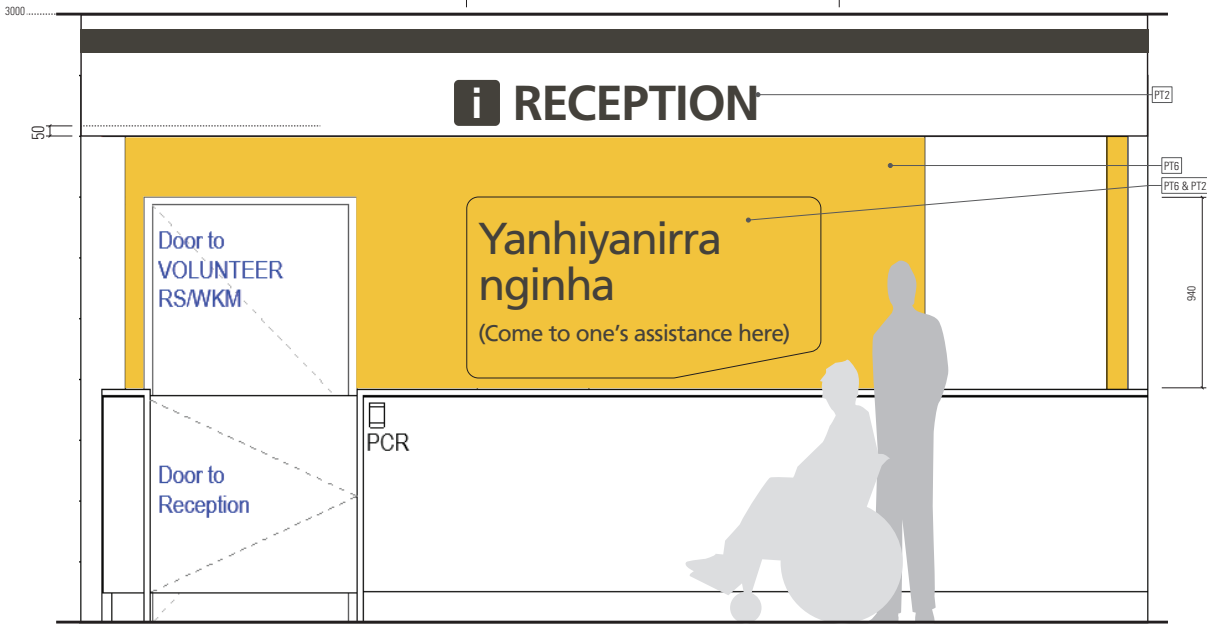
Graphic Application

Graphics digital print onto 3M IJ40-10 Polymeric Gloss White vinyl. Overlaminated with 3M IJ40-124 Polymeric Matte Clear vinyl.

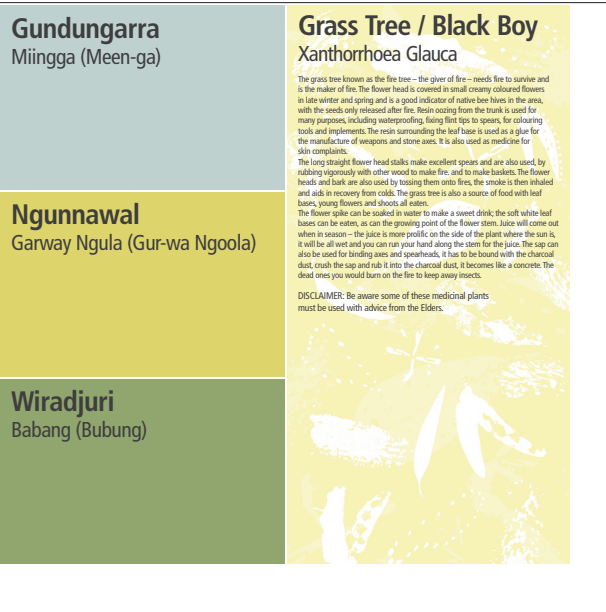
CONNECTING WITH COUNTRY – CASE STUDIES
HOSPITAL PROJECTS WITH DUAL LANGUAGE SIGNAGE



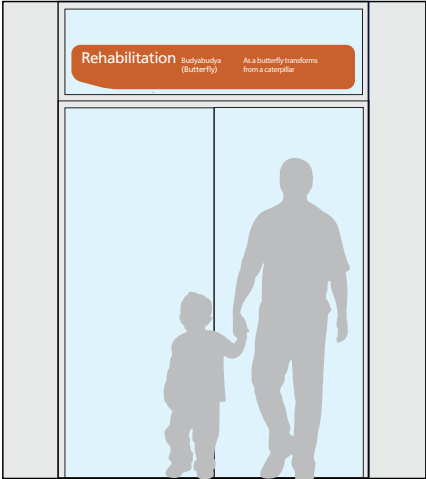
MACKSVILLE HOSPITAL ENTRY



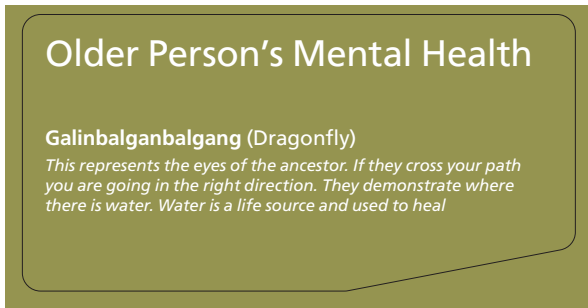
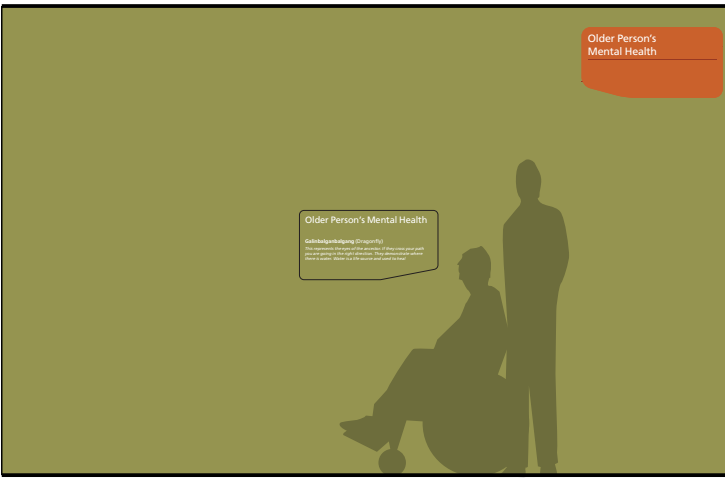
WAGGA HEALTH SERVICES BUILDING RECEPTION SIGNAGE



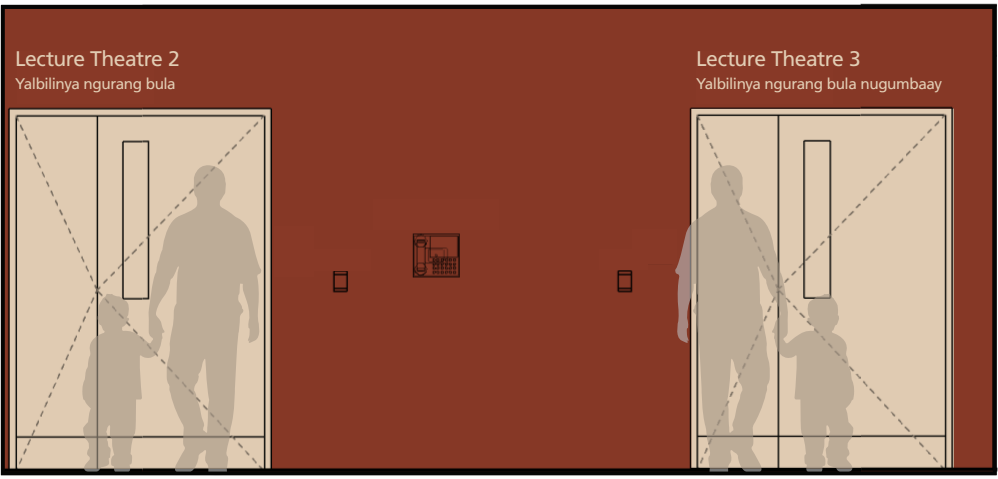
DEPARTMENT IDENTIFICATION AND INTERPRETATION CASESTUDY



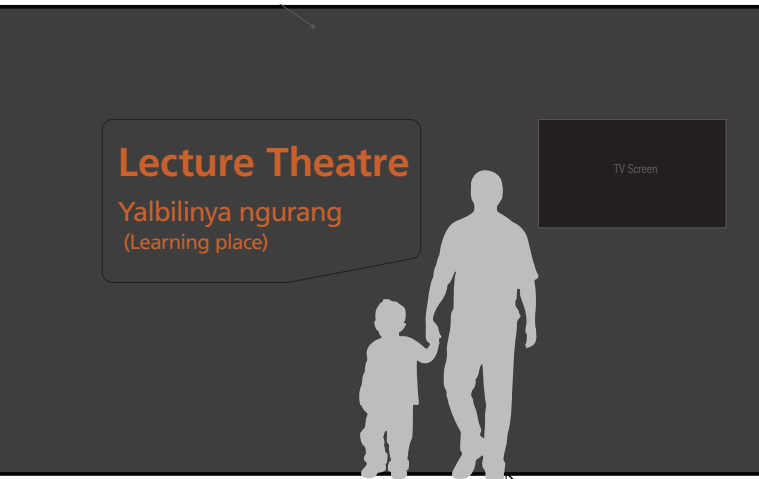
WAGGA HEALTH SERVICES DEPARTMENT IDENTIFICATION



WAGGA HEALTH SERVICES DEPARTMENT IDENTIFICATION



WAGGA HEALTH SERVICES ROOM ENTRY IDENTIFICATION



WAGGA HEALTH SERVICES LECTURE THEATRE IDENTIFICATION

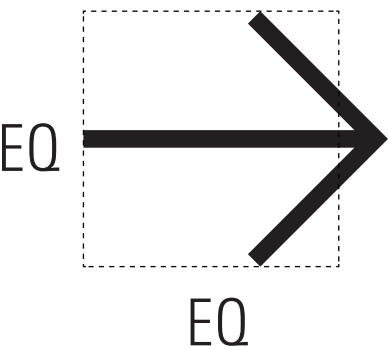
Note: Shown are examples only.
Further consultation required.

Typeface






ABCDEFGHIJKLMNOPQRSTUVWXYZ
OPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
opqrstuvwxyz
0123456789

Sophia Pro Regular Optical Tracking -20

Arrows



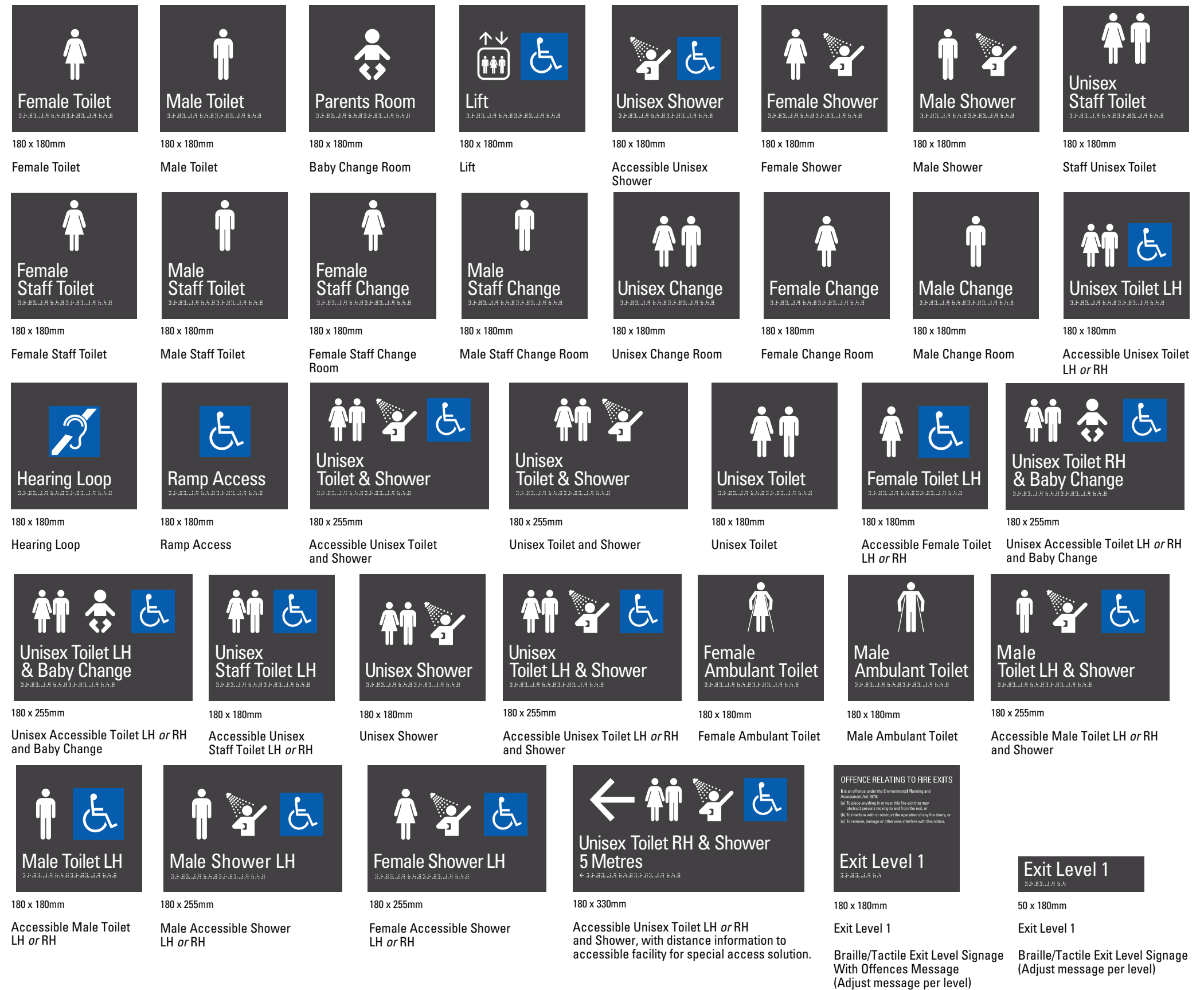
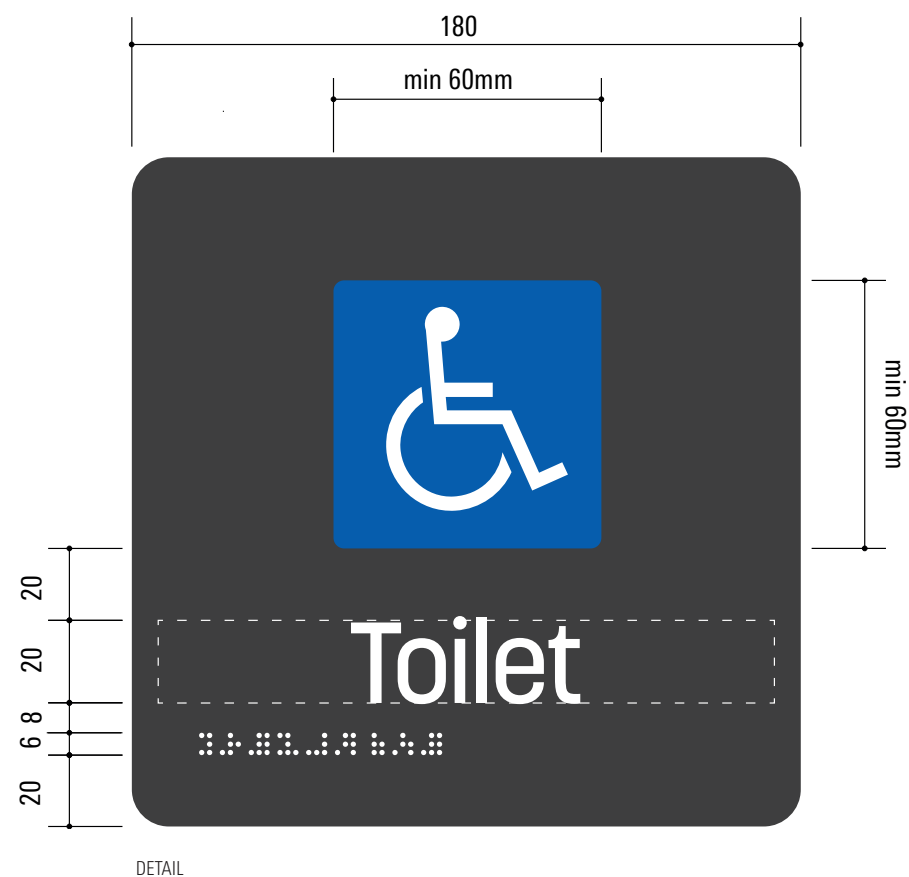
Hierarchy of Directions

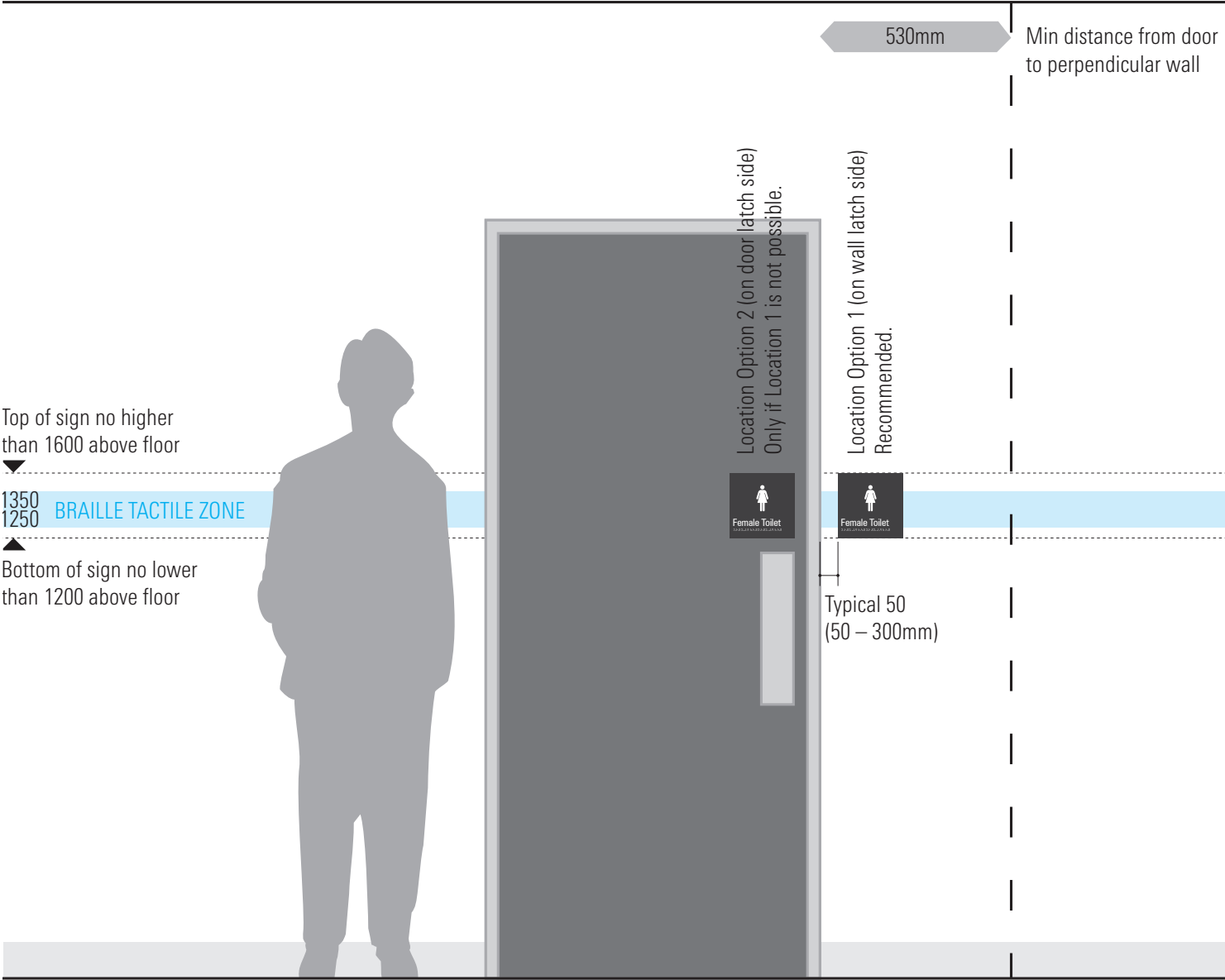
- 1.  Typical/ Straight Ahead
- 2.  Where Required
- 3.  Typical/ Left
- 4.  Where Required
- 5.  Typical/ Right

Pictograms



- This page shows typical signs.
- The signage contractor has to identify all relevant applications and prepare a schedule for approval by BCA consultant.
- The signage contractor to insert Braille text, text shown is placeholder only.
- The signage contractor to insert text (LH or RH) to indicate which hand (left or right) the pan is in accessible toilets.
- Scheduling, composition and artwork for each sign to be shown in shopdrawings by signage contractor.
- Charcoal colour or similar





Braille Tactile
180H x (min. 180)mm
Cap Height: 20mm

Specifications

Braille/ Tactile

This project requires the type of encapsulated single membrane with embossed braille and tactile components. Other types of ‘encapsulated’ will not be accepted.

Construction

Signlink sign systems or similar, 3D print on non-glare, matte finish, UV stable, exterior grade, impact acrylic at 1.6mm thick.

Range of colours including charcoal, white, sapphire blue and clear.

BCA 2019 Specification D3.6 Braille & Tactile Signs

The following applies to Braille and tactile sign orientation:

- a. Tactile characters must be raised or embossed to a height of not less than 1 mm and not more than 1.5 mm.
- b. Characters must have a height of not less than 15 mm for each metre of viewing distance.
- c. Upper case tactile characters must have a height of not less than 20 mm and not more than 55 mm.
- d. Lower case tactile characters must have a height of 50% of the related upper case characters.
- e. Tactile characters, symbols, and the like, must have rounded edges.
- f. The entire sign, including any frame, must have all edges rounded.
- g. The surface of the sign must be continuous for hygiene purposes.
- h. Signs must be constructed so as to resist the removal of letters and Braille dots by picking or adhesive failure.
- i. The background, negative space or fill of signs must be of matt or low sheen finish.
- j. The characters, symbols, logos and other features of signs must be matt or low sheen finish.

- k. The minimum letter spacing of tactile characters on signs must be 2 mm.
- l. The minimum word spacing of tactile characters on signs must be 10 mm.
- m. Fonts with letters of constant stroke thickness must be used.
- n. The thickness of letter strokes must be not less than 2 mm and not more than 7 mm.
- o. Tactile text must be left justified, except that single words may be centre justified.
- p. Tactile text must be Arial typeface or similar.
- q. Braille must be grade 1 Braille (uncontracted) in accordance with the criteria set out by the Australian Braille Authority.
- r. Braille must be raised and domed.
- s. Braille must be located 8mm below the bottom line of text, not including descender.
- t. Braille must be left justified where an arrow is used in the tactile sign, a solid arrow must be provided for Braille readers.
- u. On signs with multiple lines of text and characters, a semicircular braille locator at the left margin must be horizontally aligned with the first line of Braille text.
- v. Each Space with hearing augmentation and lift to include tactile and Braille signage.
- w. Toilet signage to indicate which hand (left or right) the pan is.
- x. The braille/tactile membrane to be adhesive fixed to a nominal 1.2mm aluminium panel with colour of edges to match colour of membrane. Aluminium panel adhesive fixed to surface.
- y. Luminance contrast between surface and sign and sign and Tactile components to be a minimum of 30%. Braille components to be same colour as membrane background.
- z. Surface appearance of membrane to be matt/satin.

General Store

Server

Cleaner

Electrical
Distribution Board

Cool Room

Gas Store

TBA

TBA



Specifications

- Plant/Utility
260 x 50mm
260 x 80mm
- Utility with Hazard Information
260 x 180mm
- Construction**
- Signlink polycarbonate reverse printed.
- Sign panel to match colour and gloss level of door finish.
- Colour of lettering must be min. 30% luminance contrast with colour of door.
- Fixing**
- Adhesive fixed to cupboard door with VHB d/s tape.
- Graphics**
- Typeface and colours to match graphics specifications in document.
- 40mm Cap Height.

Notes

- Signage contractor to provide schedule and artwork.
- Signage contractor to be advised by head contractor which option to implement.

Summary

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.

Signlink System Specifications

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 about 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 2mm thick, and 90% of the back of the panel to have magnetic applied.

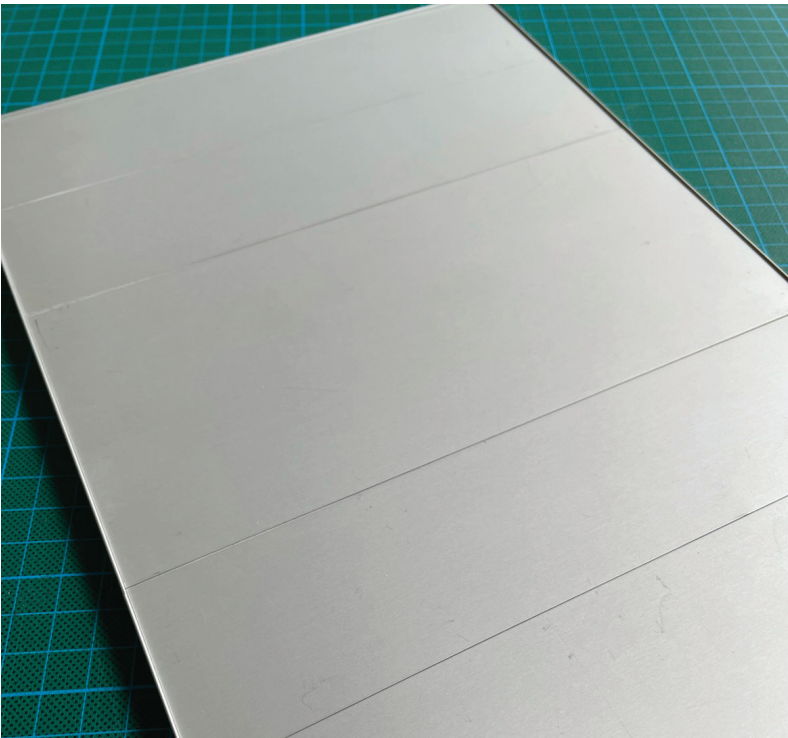
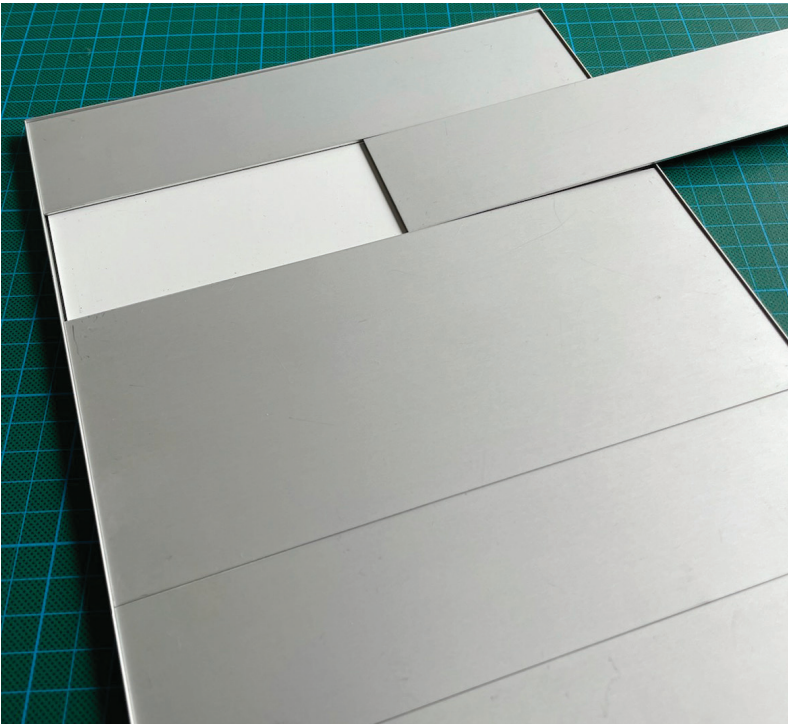
The manufacturer of the base products to have ownership (or similar) control of all the proprietary sections and to carry sufficient stock to service/ maintain the product range.

Intellectual Property

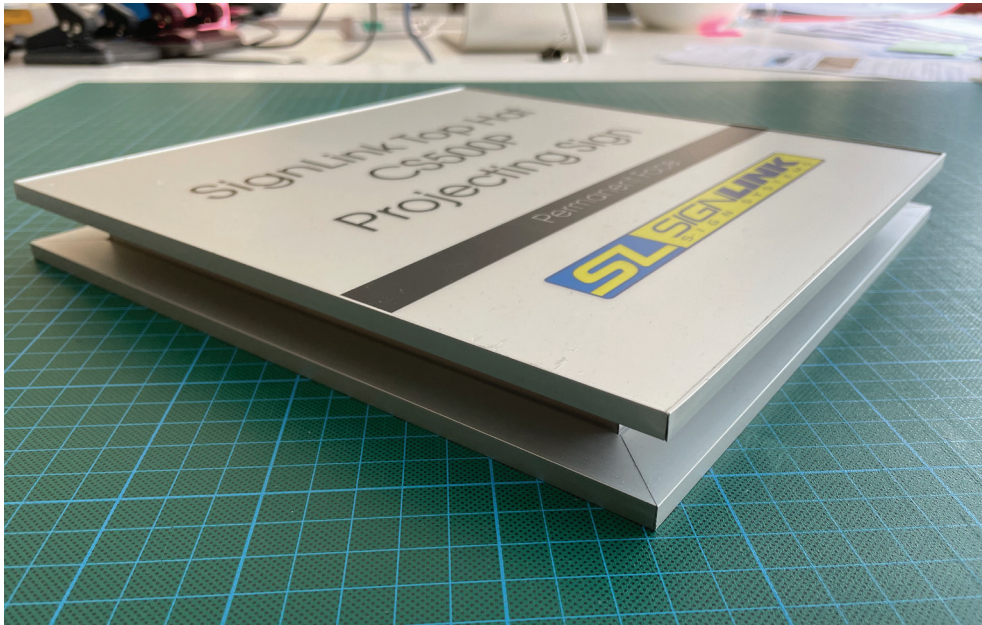
The subcontractor supplying the nominated signs warrants that it does not infringe the intellectual rights of any third party



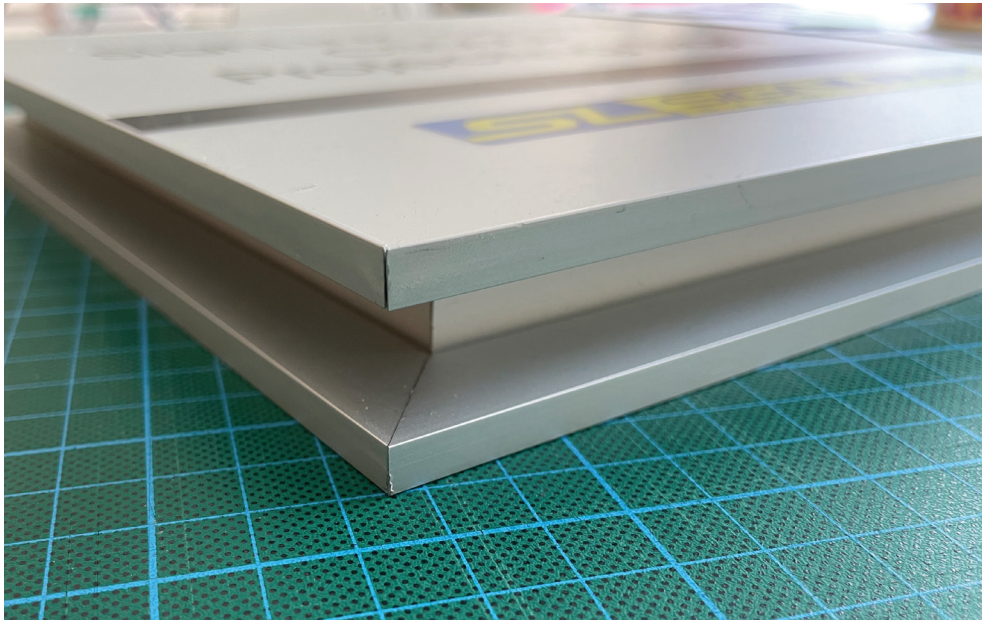
Single panel sign



Sign with slats



Top Hat Signlink Sign



Typical Statutory sign
Polycarbonate reverse printed