



Charles Sturt  
University

# Signage Guidelines

Version 4: December 2022

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# 01

## Introduction

Corporate signage	1.1
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# Corporate signage

**Charles Sturt University has created a corporate signage system that will provide an effective wayfinding system, establish the University's presence and boundaries, and promote a positive image for the University across campuses, clinics and centres.**

## Overview

Corporate signage has been designed to align with and extend the Charles Sturt University brand and corporate visual identity to ensure a consistent look and feel. The specifications for the corporate signage system in the Corporate Signage Schedule of the Brand Guideline provide details for the size, shape, proportions, colours and fonts to be utilised on all signage, and prescribes how signage is to be used within the University.

The Brand Governance committee is responsible for approving the design of standard corporate signage contained in the Corporate Signage schedule of the Brand Guideline.

The Executive Director, Facilities Management, is responsible for applying the Brand Guideline and ensuring all signage adheres to the requirements of the Guideline.

## Creating new signs & modifying existing signs

A range of templates for various types of signage are included in the Brand Guideline. Requests for signage in addition to these should be made to the Division of Facilities Management and/or the Division of Marketing, dependent on the type.

Requests for new permanent and semi-permanent signs and changes to existing signs must be approved by the Executive Director, Facilities Management.

The Executive Director, Facilities Management, may approve a new or varied permanent or semi-permanent sign and its location, consistent with the Brand Guideline.

## DFM Governance of Signage and Wayfinding

The Division of Facilities Management (DFM) shall maintain and facilitate a Signage and Wayfinding committee which shall meet regularly. The committee's role shall be to consider new signage requests and additions to the procedure as they are identified. It shall also monitor the performance and appropriateness of the existing procedure. The committee shall be chaired by the Director of Operational Services (or his nominee) and make recommendations to the Executive Director for consideration.

The committee shall actively seek to improve the look and feel of signs and the seamless integration of signage and wayfinding for all clients across all campuses. This shall include digital signage and interactive tools.



# Corporate signage

Signage format and consistency is of paramount importance for Charles Sturt University. Typically signage takes the form of either Permanent, Semi permanent, or Impermanent / Temporary Signage.

## Permanent Signage

- Entrance signs
- Traffic management and parking lot signs
- Pedestrian wayfinding signs
- Building and room signs and numbering
- Directories and plaques

Permanent signage is managed by the Executive Director, Facilities Management.

## Semi-permanent Signage

Some pedestrian wayfinding signs, directories and construction signage that may be;

- Required for a set time period
- Subject to change, or
- Placed as an interim measure until permanent
- Signage is available

Semi-permanent signage is managed by the Executive Director, Facilities Management.

For construction projects, there is a range of signage that is required under WHS legislation and to ensure compliance with Federal Government funding agreements.

## Impermanent / Temporary Signage

Event, functional, and promotional signs such as;

- Student association signs
- Campaign or initiative posters
- Free-standing banners
- Notices, etc.

Impermanent / temporary signage is the responsibility of the organisational unit, but must be designed and implemented in line with the Brand Guidelines, consultation with the Division of Marketing is recommended.

DFM will be responsible for authorising installation and in most cases will assist with installation via Security or Janitorial Services, depending on need, time frame etc. Campus Services Managers should be contacted for guidance.

## Third party signage

**Charles Sturt University has created a third party signage system that will provide an effective wayfinding system for non-University entities located on Charles Sturt University campuses.**

With an increasing number of third party tenants located within Charles Sturt University campuses, Charles Sturt has identified a need for guidance on adequate wayfinding and signage to third party entities, such as the dental clinic at Albury Campus or Ochre Health at Bathurst Campus. In many instances, the presence of third party tenants is not obvious on external road approach to the campus, and lacks visibility on approach to the building within the campus grounds.

The information in this guideline provides guidance on how standard Charles Sturt signage has been adapted to accommodate third party requirements (where applicable). In a limited number of instances, stand alone third party signage may also be used without Charles Sturt co-branding.

As a guiding principal, third party signage shall not take precedence over Charles Sturt signage and shall be limited to being displayed on precinct or building signage only. Third party logos will be permitted to be used on Charles Sturt signage to assist wayfinding where appropriate.

# 02

## Wayfinding principles

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Journey principles	2.3
Information hierarchy	2.4
Typical user journey	2.5

# Wayfinding principles

The objective: understanding the needs of Charles Sturt campus users to provide the right information, in the right way, at the right time.

Wherever users interact with a location or campus, wayfinding plays a fundamental role in ensuring a consistent and high quality experience that is consistent with the vision and values of Charles Sturt University.

The success or failure of a wayfinding system depends on key principles, detailed on the following pages. These principles should serve as a guide whenever signage is needed, ensuring that the end product fulfils the needs of the people who use the space, and contributes to the effective and efficient function of the campus environment.

## User groups

Who are the users?  
What do they need to know?

## Journey principles

What are the stages of the journey?  
When do they need to know it?

## Information hierarchy

How much information do they need?  
What is most useful and relevant?

## Typical user journey

What sign works best where?  
How does it all fit together?

# User groups

## Students

For these primary users, the campus is a vital part of their day-to-day learning experience. Students may travel to campus each day or be based in accommodation on site.

- Local and international students
- Full-time or part-time
- New and returning students

**Frequency of use**  
High frequency

### Key destinations

- Teaching and learning spaces
- Administration (Student Central)
- Library / study spaces (Learning Commons)
- Breakout spaces
- Campus amenities (e.g. cafe, sports grounds)
- Staff offices
- Student accommodation

### Information needs

- Timetables
- Campus directories
- Directional information
- Building identification
- Internal wayfinding (levels, rooms, destinations)

## Staff

For these primary users, the campus is a vital part of their day-to-day work. They may attend campuses daily, or on a sessional / part-time basis.

- Teaching staff and academics
- Administrative staff
- Support and operations staff

**Frequency of use**  
High frequency

### Key destinations

- Staff entries and parking
- Teaching and learning spaces
- Staff offices
- Breakout rooms
- Research spaces
- Meeting rooms

### Information needs

- Timetables
- Campus directories
- Directional information
- Building identification
- Internal wayfinding (levels, rooms, destinations)

## Future students

Short-term visitors, they are on campus to gain information and find out more about the facilities and experience at Charles Sturt University. Their first experiences on campus are crucial, and may be their first direct interaction with Charles Sturt.

- Local and international students
- Parents, family or guardians of prospective students

**Frequency of use**  
Low frequency

### Key destinations

- Main entry
- Visitor parking
- Campus reception and information (Student Central)

### Information needs

- Campus identification
- Gate / entry identification
- Parking information
- Campus directories
- Building identification
- Directional information
- Internal wayfinding (levels, rooms, destinations)

## Campus visitors

All other campus visitors other than prospective students, these users are usually one-off or occasional visitors who are on campus for a specific event or purpose.

- Community groups
- Dignitaries and guests
- External contractors and suppliers

**Frequency of use**  
Low / intermediate frequency

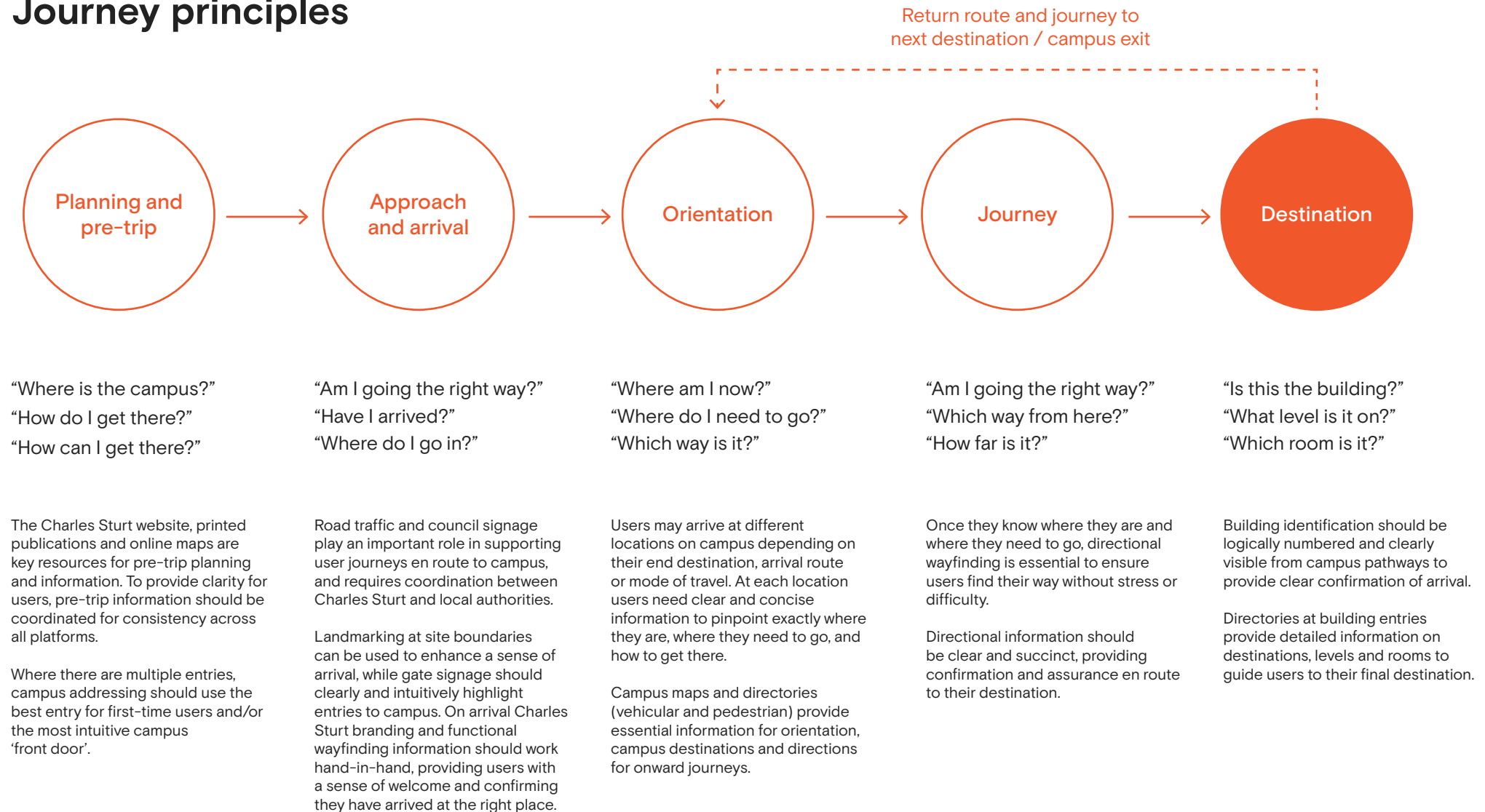
### Key destinations

- Main entry
- Visitor parking
- Campus reception and information
- Public campus facilities (e.g. galleries, function spaces, lecture halls)

### Information needs

- Campus identification
- Gate / entry identification
- Parking information
- Campus directories
- Building identification
- Directional information
- Internal wayfinding (levels, rooms, destinations)

# Journey principles



# Information hierarchy

Managing the amount of information on signage is key to limiting complexity. In short, ‘keeping it simple’ helps to prevent users from becoming overwhelmed and disorientated, maximising the effectiveness of wayfinding.

## Progressive disclosure

Together with hierarchy, progressive disclosure is important for avoiding ‘information overload’ on signage. It means prioritising information sequentially at the appropriate stage of the user journey, giving users the right information at the right time. It also means not presenting all of the information at once or at the beginning.

## Primary destinations

These are relevant to a broad range of campus users, and are considered essential information (i.e. must know). They are identified as a priority on directional signs, campus maps and directories, and supported with clear identification signage. They include:

- Main entries / exits
- Campus reception and information (Student Central)
- Buildings (numbered)
- Car parks (numbered)
- Library (Learning Commons)
- Key campus facilities (e.g. dining hall)
- Restrooms and amenities

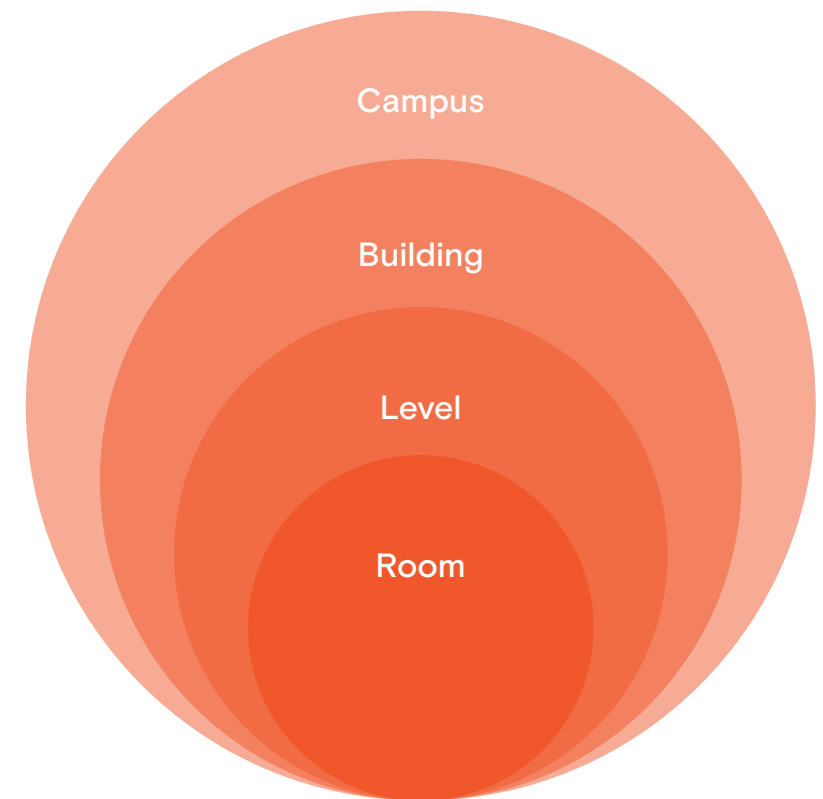
## Secondary destinations

These may be relevant to select groups of users, or considered non-essential information (i.e. good to know). They will not be identified on every directional sign, but identified where most relevant and detailed on maps and directories. They include:

- Secondary entries / exits (e.g. staff entries)
- Staff rooms
- Breakout spaces
- Recreational facilities
- Student accommodation

## Regulatory / operational information

This information is relevant for specific users only, and identified on a need-to-know basis. Regulatory and operational information occupies a lower level of hierarchy to primary wayfinding information, and should appear less prominently in the campus environment.



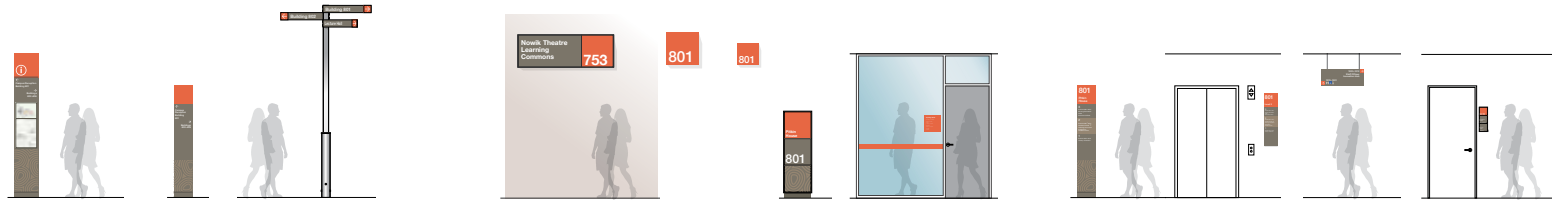
# Typical user journey



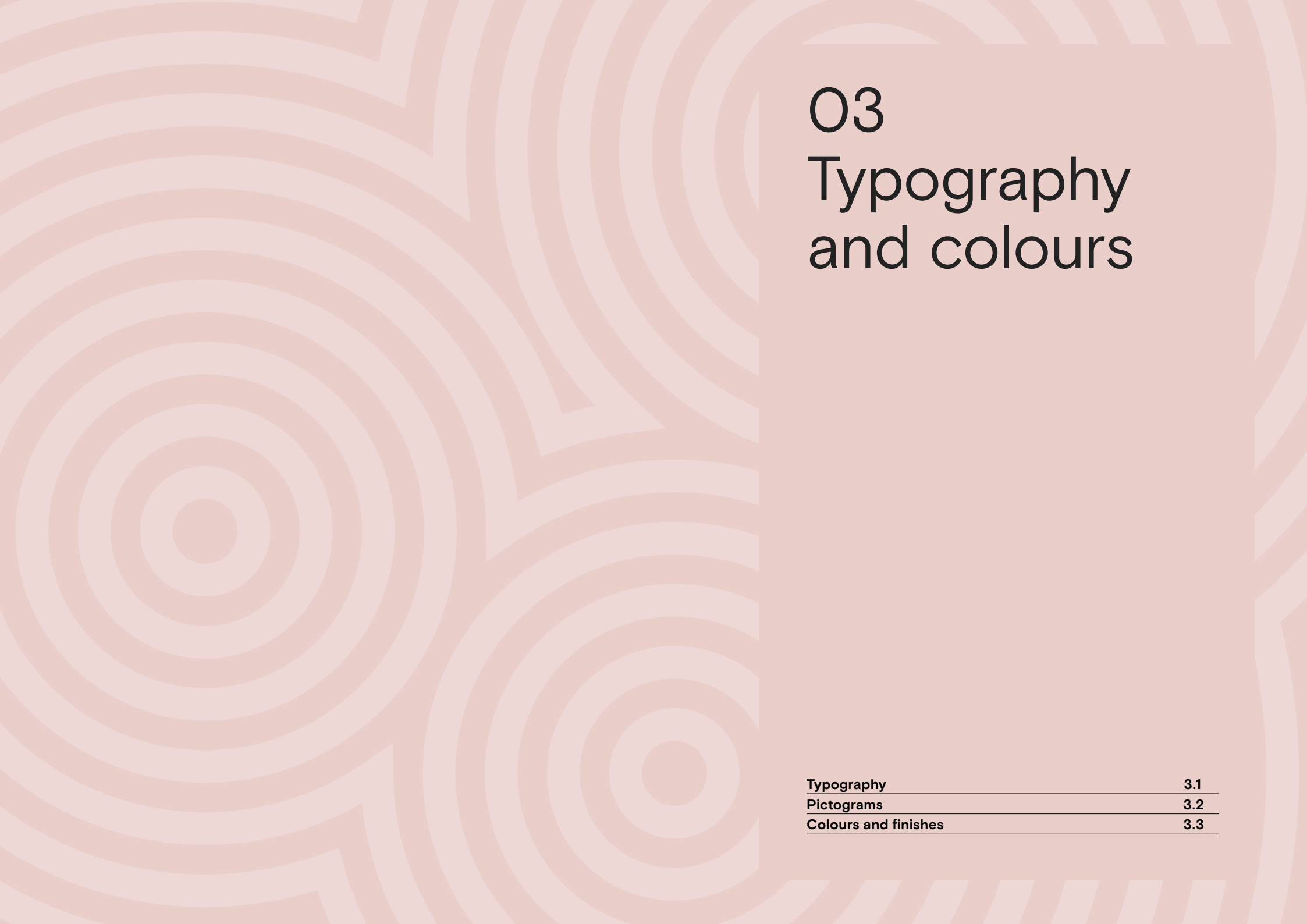
Journey stage	Approach and arrival	Vehicular / cyclist orientation and navigation	Parking
<div>User need</div>	<p>"Where is the campus?"</p> <p>"Where do I go in?"</p> <p>"What entry should I use?"</p>	<p>"Where am I now?"</p> <p>"Where do I need to go?"</p> <p>"Which way is it?"</p>	<p>"Where can I park?"</p> <p>"Should I park here?"</p> <p>"What are the restrictions?"</p>
<div>Information required</div>	<ul style="list-style-type: none"> <li>Campus identification</li> <li>Charles Sturt University branding</li> <li>Gate / entry identification</li> <li>Entry information with key destinations (e.g. Student Central)</li> </ul>	<ul style="list-style-type: none"> <li>Site directories</li> <li>Directional signage</li> <li>Key destinations (e.g. Student Central)</li> <li>Parking information</li> <li>Street identification (internal campus roads)</li> </ul>	<ul style="list-style-type: none"> <li>Car park identification</li> <li>Parking information (public / student / staff)</li> <li>Restrictions and permits</li> <li>Time limits</li> <li>Bike parking identification</li> </ul>
<div>Key sign types</div>	<p><b>SIT</b> Site identification totem</p> <p><b>MET</b> Main entry totem</p> <p><b>EIT</b> Entry identification totem</p>	<p><b>CDT</b> Campus directory totem</p> <p><b>VDT</b> Vehicular directional totem</p> <p><b>VDF</b> Vehicular directional finger blade</p>	<p><b>CP</b> Car park entry</p> <p><b>PS</b> Parking signs</p> <p><b>BP</b> Bike parking</p>



# Typical user journey (continued)



Journey stage	Pedestrian orientation and navigation	Building identification and entry	Internal navigation and arrival
<div>User need</div>	<p>“Where am I now?”</p> <p>“Where do I need to go?”</p> <p>“How do I get there?”</p> <p>“Which way is it?”</p>	<p>“Is this the building / destination?”</p> <p>“Where is the entry?”</p> <p>“When is it open?”</p>	<p>“Where do I need to go?”</p> <p>“What level is it on?”</p> <p>“Which way is it?”</p> <p>“Is this the room / destination?”</p>
<div>Information required</div>	<ul style="list-style-type: none"><li>• Campus maps and directories</li><li>• Directional signage</li><li>• Key destinations (e.g. Student Central, buildings)</li><li>• Accessible routes</li></ul>	<ul style="list-style-type: none"><li>• Building numbers</li><li>• Building names (where applicable)</li><li>• Third-party tenant identification (where applicable)</li><li>• Entry information / opening hours (where applicable)</li></ul>	<ul style="list-style-type: none"><li>• Building directories</li><li>• Level / lift directories</li><li>• Level identification</li><li>• Directional signage</li><li>• Room / amenity identification</li></ul>
<div>Key sign types</div>	<div>IDT</div> Information directory totem <div>PDT</div> Pedestrian directional totem <div>PDF</div> Pedestrian directional finger blade	<div>BNN-M</div> Building name / number (medium) <div>BN-M</div> Building number (medium) <div>BN-S</div> Building number (small) <div>BIT</div> Building identification totem <div>EI</div> Entry information	<div>BDT/W</div> Building directories <div>LDT/W</div> Lift / level directories <div>IDC/S/W</div> Identification signage <div>DC-S/M</div> Directional cantilevered <div>DS-S/M</div> Directional suspended <div>RID-A/B</div> Room identification <div>AB</div> Amenities identification (braille)



# 03

## Typography and colours

Typography	3.1
Pictograms	3.2
Colours and finishes	3.3

# Typography

The use of the typeface in a wayfinding system is crucial to its effectiveness. It is also an extension of the brand.

The Charles Sturt University standard signage typefaces are from the Helvetica Neue family. Space is crucial when applying messaging to a signage system, without hindering its legibility.

The approved font styles shown here (75 Bold, 65 Medium and 55 Roman) have been carefully selected to optimise the legibility of signage in a range of contexts. Only these approved styles should be used.

To maintain consistency and ensure the correct use of fonts, approved artwork templates should always be used for the creation of new signage.

**ABCDEFGHIJKLMNOPQRSTUVWXYZ  
1234567890**

Helvetica Neue Lt Std - 75 Bold.

**ABCDEFGHIJKLMNOPQRSTUVWXYZ  
1234567890**

Helvetica Neue Lt Std - 65 Medium.

**ABCDEFGHIJKLMNOPQRSTUVWXYZ  
1234567890**

Helvetica Neue Lt Std - 55 Roman.



Unisex Toilet  
[F/M]



Female Toilet  
[F]



Male Toilet  
[M]



Accessible Toilet  
[A]



Female Ambulant  
[F-AMBULANT]



Male Ambulant  
[M-AMBULANT]



Gender Neutral Toilet  
[TOILET]



Shower  
[SHOWER]



Parents Room  
[PARENT]



Drinking Fountain  
[DRINK]



Litter  
[LITTER]



Telephone  
[PHONE]



Information  
[INFO]



Lift  
[LIFT]



Hearing Impaired  
[HEAR]



Parking  
[P]



Bike Parking  
[BIKE]



Bus  
[BUS]



Pick-Up & Drop-Off  
[DROP-OFF]



Charging station  
[CHARGE]



Stairs  
[STAIR]



CCTV  
[CCTV]

# Colours and finishes

PAINT 2 PAC POLYURETHANE  
(P)  
POWDERCOAT  
(PC)  
VINYL OPAQUE  
(VO)  
VINYL REFLECTIVE  
(VR)

<p><b>Light Orange</b> PMS 2026c</p> <p><b>P1</b> 2PAC PAINT TO MATCH PMS SATIN FINISH</p> <p><b>VO1</b> VINYL TO MATCH PMS</p> <p>SOLID VINYL MATCH AS FIRST PREFERENCE OVER A DIGITAL PRINT TO MATCH PMS</p>	<p><b>Dark Brown</b> PMS 7531c</p> <p><b>P3</b> 2PAC PAINT TO MATCH PMS SATIN FINISH</p> <p><b>VO3</b> VINYL TO MATCH PMS</p> <p>SOLID VINYL MATCH AS FIRST PREFERENCE OVER A DIGITAL PRINT TO MATCH PMS</p>	<p><b>White</b> CO MO YO KO</p> <p><b>P5</b> 2PAC PAINT TO MATCH DULUX 'NATURAL WHITE' - SW1F4 SATIN FINISH</p> <p><b>VO5</b> AVERY 900 SUPER CAST WHITE MATT (920)</p> <p><b>VR5</b> AVERY HIGH VISIBILITY SERIES HV 1200-101-R WHITE</p>	<p><b>Parking Blue</b> PMS 2728c</p> <p><b>P6</b> 2PAC PAINT TO MATCH PMS SATIN FINISH</p>
<p><b>Orange Graphic Language</b></p> <p><b>P2</b> 2PAC PAINT TO MATCH DULUX 'SHOW BUSINESS' - S08G7 SATIN FINISH</p>	<p><b>Brown Graphic Language</b></p> <p><b>P4</b> 2PAC PAINT TO MATCH DULUX 'SHIPWRECK' - S14C5 SATIN FINISH</p>		

# Colours and finishes

PAINT 2 PAC POLYURETHANE  
(P)  
POWDERCOAT  
(PC)  
VINYL OPAQUE  
(VO)  
VINYL REFLECTIVE  
(VR)

<p><b>Accessible Blue</b> PMS 7684c</p> <p><b>P7</b> 2PAC PAINT TO MATCH PMS SATIN FINISH</p> <p><b>VO7</b> AVERY 900 SUPER CAST SWIMMING BLUE (979)</p>	<p><b>Black</b></p> <p><b>VO8</b> AVERY 900 SUPER CAST BLACK MATT (921)</p>	<p><b>Silver</b></p> <p><b>PC9</b> DULUX PRECIOUS – POWDERCOAT SHARP SILVER KINETIC PEARL 9717238K SATIN FINISH</p>	<p><b>Green</b></p> <p><b>V10</b> AVERY 900 SUPER CAST KELLY GREEN (908)</p>	<p><b>Red</b></p> <p><b>V11</b> AVERY 900 SUPER CAST CARDINAL RED (955)</p>	<p><b>Yellow</b> PMS 123c</p> <p><b>P12</b> 2PAC PAINT TO MATCH PMS SATIN FINISH</p>
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# 04

## External signage

# External signage suite



**SIT** **Site identification totem**  
Freestanding  
Double sided  
Illuminated

Large freestanding totem with Charles Sturt University logo and brand colour, used for high impact landmarking at campus boundaries and entries. Static or digital.



**MET** **Main entry totem**  
Freestanding  
Double sided  
Illuminated

Campus identification totem located at site boundaries or main campus entries. May include campus name and street address if required.



**EIT** **Entry identification totem**  
Freestanding  
Double sided  
Illuminated

Entry identification signage located at all external campus entries. Where there are multiple entries they should be clearly numbered, with identification of parking and key destinations as required.



**CDT** **Campus directory totem**  
Freestanding  
Single sided  
Non-illuminated

Large campus directory located near entries and key campus routes. Include a campus map (in heads-up orientation) and a directory of key campus destinations. Vehicle stopping bays should be provided where directories are located adjacent to roads.



# External signage suite



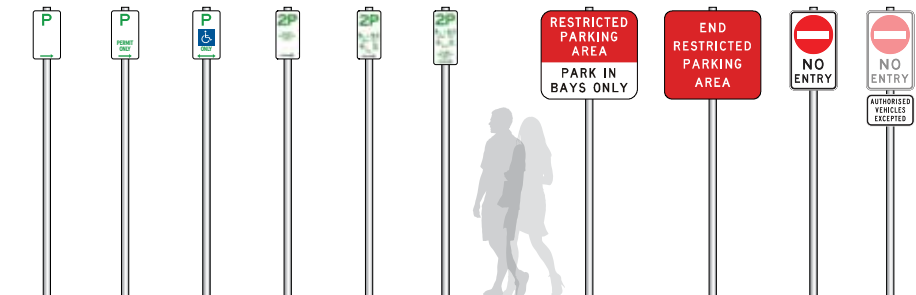
**VDT** **Vehicular directional totem**  
Freestanding  
Single / Double sided  
Non-illuminated

Directional signage for cars and cyclists on campus roads. For optimum visibility directional signage should be located to the left of roads adjacent to the path of travel, with single-sided content.



**CP** **Car park entry**  
Freestanding  
Double sided  
Non-illuminated

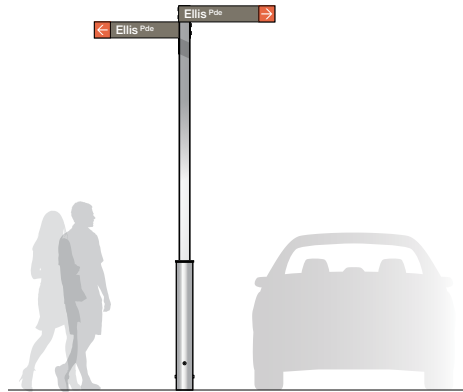
Identification signage located at car park entries. Signs should clearly indicate where parking is restricted for specific users (e.g. visitors, student or staff parking) or third-party tenants. May include car park numbering and/or VMS digital displays where required.



**PS** **Parking signs**  
Freestanding  
Single sided  
Non-illuminated

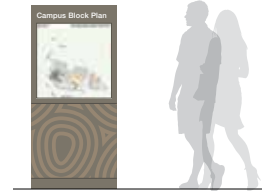
Regulatory signage applied to car parks detailing restrictions, time limits and designated parking (e.g. permit or accessible parking).

# External signage suite



**VDF** Vehicular directional finger  
Freestanding  
Double sided  
Non-illuminated

Finger blade signage located on campus roads identifying key vehicular / cyclist routes and destinations.



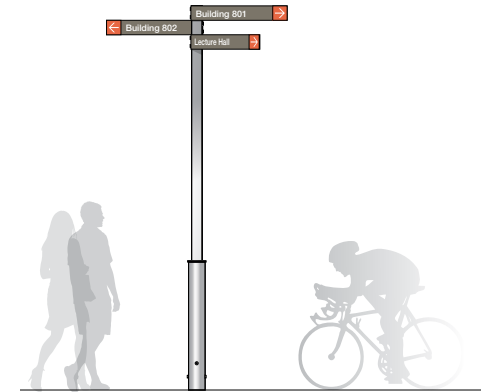
**FST** Fire safety totem  
Freestanding  
Single sided  
Non-illuminated

Displays fire hydrant plan of the campus to direct fire services to main campus Fire Indicator Panel and Booster Pump.



**RRT** Rules and regulations totem  
Freestanding  
Single sided  
Non-illuminated

Rules and regulations for the use of campus outdoor and recreational facilities.



**PDF** Pedestrian directional finger  
Freestanding  
Double sided  
Non-illuminated

Finger blade signage within campus grounds identifying key pedestrian routes and destinations.

# External signage suite



**IDT** **Information directory totem**  
Freestanding  
Double sided  
Non-illuminated

Highlights information points on campus, with campus maps (in heads-up orientation) and directions to key destinations. Located on main pedestrian routes and points of orientation (e.g. campus entries, car parks).



**PDT** **Pedestrian directional totem**  
Freestanding  
Double sided  
Non-illuminated

Pedestrian signage directing to key campus destinations.



**BP** **Bike parking**  
Freestanding  
Double sided  
Non-illuminated

Identifies designated bike parking on campus.

**CCTV** **CCTV totem**  
Freestanding  
Double sided  
Non-illuminated

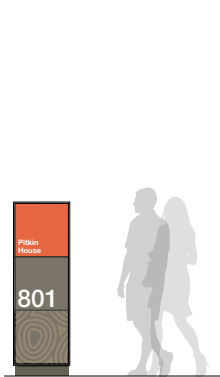
Identifies the use of CCTV cameras in the area.



**BS** **Bus stop**  
Freestanding  
Double sided  
Non-illuminated

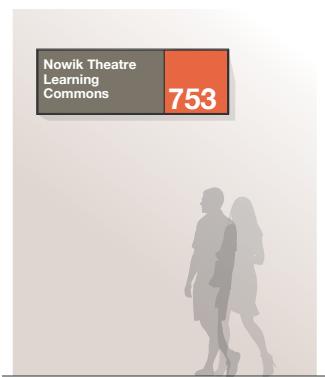
Identifies bus stops on or outside campuses, with timetables and route information.

# External signage suite




**BIT** **Building identification totem**  
Freestanding  
Single / Double sided  
Non-illuminated

Freestanding totem where wall mounted signage is not suitable. Identifies building number, name and/or third-party tenancies (where applicable). Signage should be positioned for clear visibility from key pathways, highlighting the location of building entries.




**BNN-M** **Building name / number identification (medium)**  
Wall mounted  
Single sided  
Non-illuminated

Identifies building number and/or name (where applicable). Signage should be positioned for clear visibility from key pathways, highlighting the location of building entries.



**BN-M** **Building number identification (medium)**  
Wall mounted  
Single sided  
Non-illuminated

Identifies building number. Signage should be positioned for clear visibility from key pathways, highlighting the location of building entries.



**BN-S** **Building number identification (small)**  
Wall mounted  
Single sided  
Non-illuminated

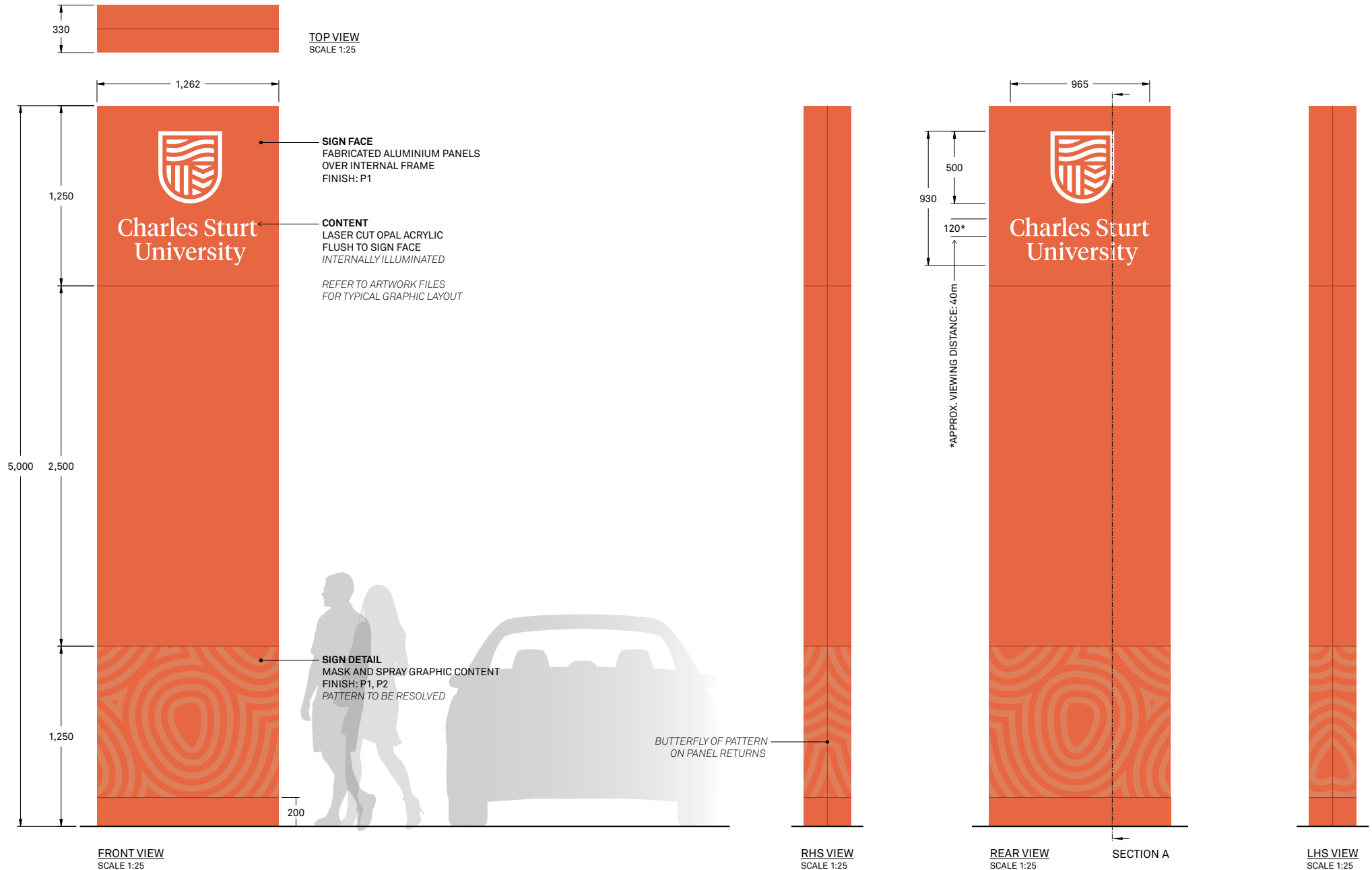
Identifies building number. Signage should be positioned for clear visibility from key pathways, highlighting the location of building entries.

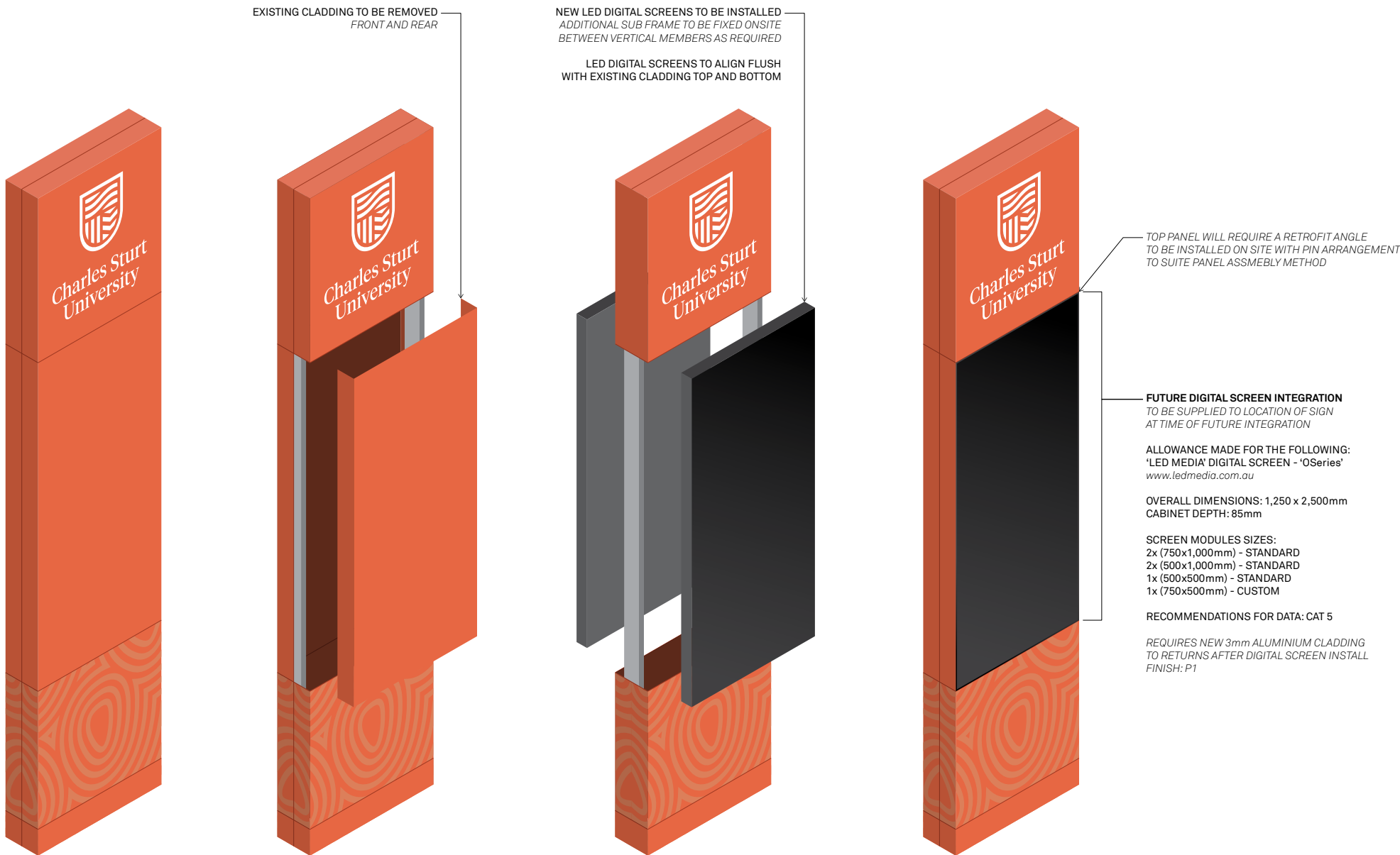
## External signage

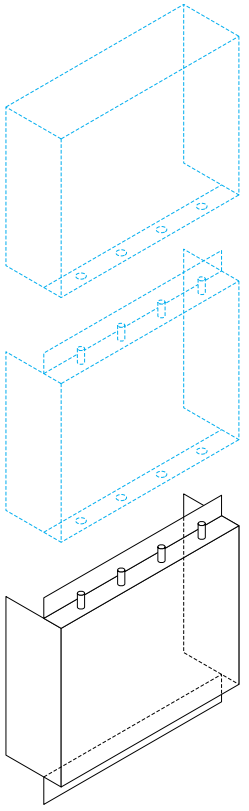
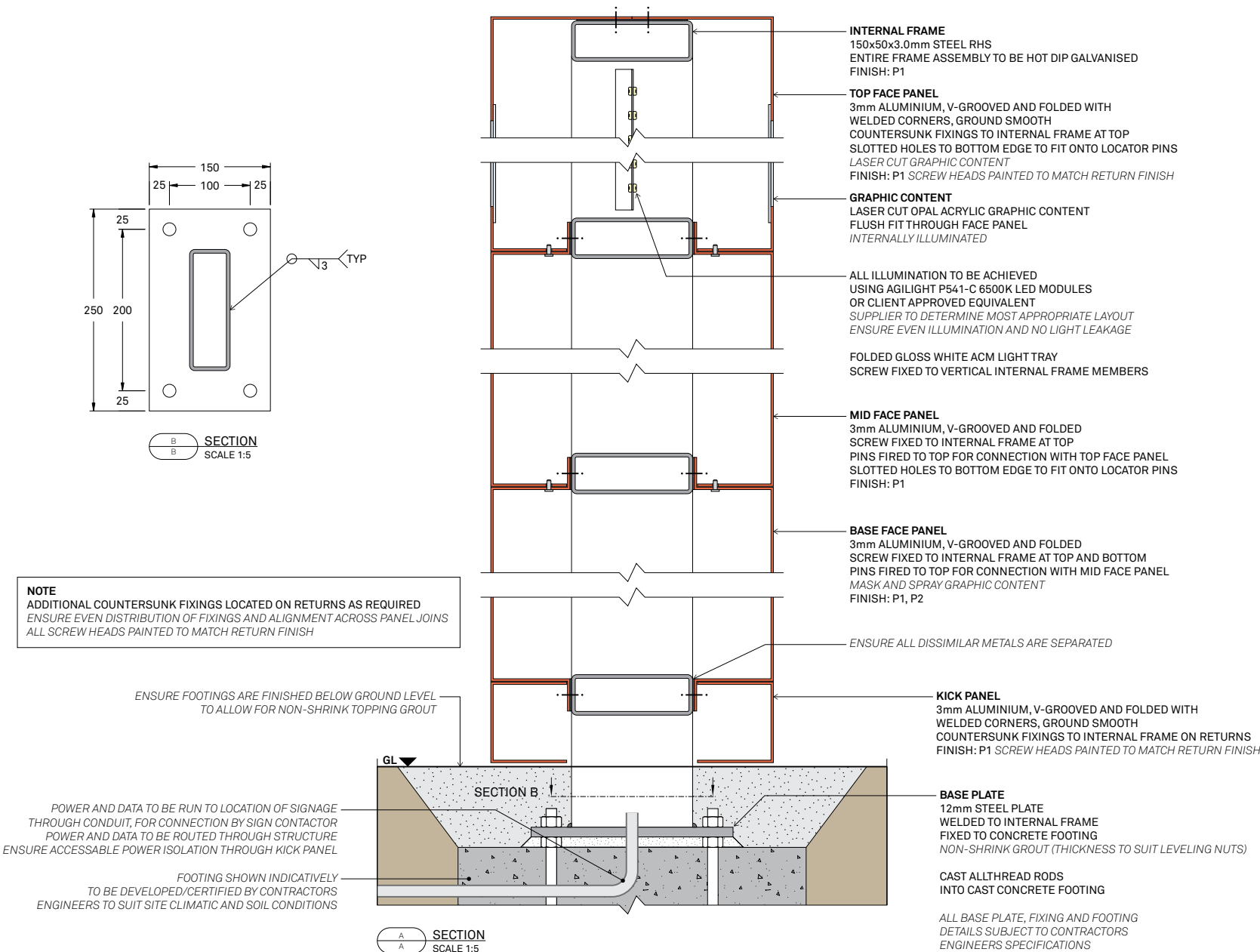
## 4.6 Site identification totem

**SIT**

**Site identification totem**  
Freestanding  
Double sided  
Illuminated







INDICATIVE PANEL ASSEMBLY  
NOT TO SCALE

**FRAMEWORK**

FABRICATED 150X50X3 ALUMINIUM  
INTERNAL FRAMEWORK  
10mm SIDE PLATE, RHS, ANGLE CONSTRUCTION.  
BOLTED DOWN TO CONCRETE FOOTING  
(HIDDEN WITH LANDSCAPING)

**REMOVABLE TOP PLATE**

(TO ALLOW ACCESS TO ILLUMINATED TOP PANEL)  
FINISH: PC9

**SIGN PANELS**

INSET FROM EDGE 20mm  
4mm ACM SIGN PANELS  
FINISH: P1, P3, P4

**TOP FACE PANEL**

LASER CUT OPAL ACRYLIC  
CHARLES STURT LOGO (EXPRESSED 6mm)  
INTERNALLY ILLUMINATED

**MID FACE PANEL**

COMPUTER CUT VINYL (UNDER CLEAR COAT)  
FINISH: VR5

**BASE FACE PANEL**

MASK AND SPRAY GRAPHIC CONTENT  
FINISH: P3, P4  
PATTERN TO BE RESOLVED

**CLEAR COAT**

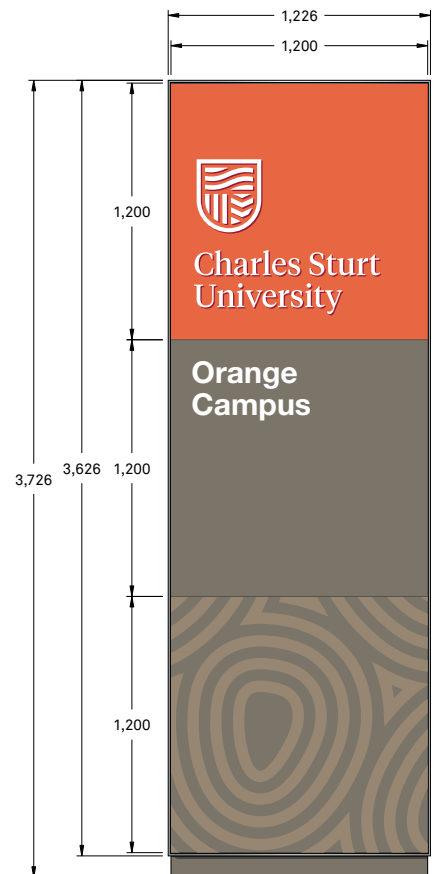
ANTI GRAFFITI COATING TO ALL PANELS  
(SPEC TBC)

**100mm DEEP KICK PANEL**

FINISH: P3

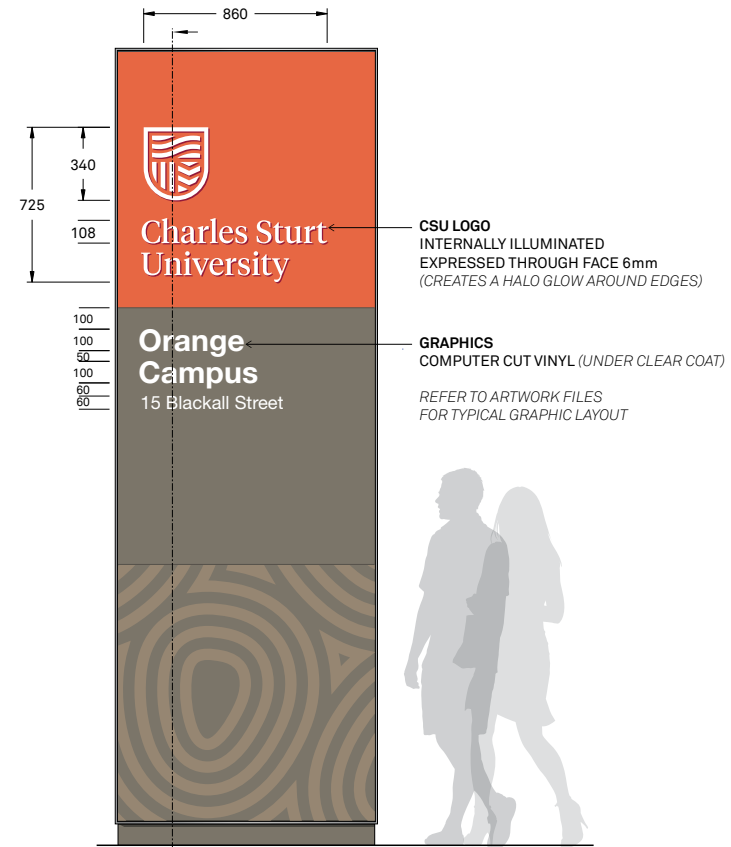


TOP VIEW  
SCALE 1:25



FRONT VIEW  
SCALE 1:25

Campus name



SECTION A

Campus name & Campus address



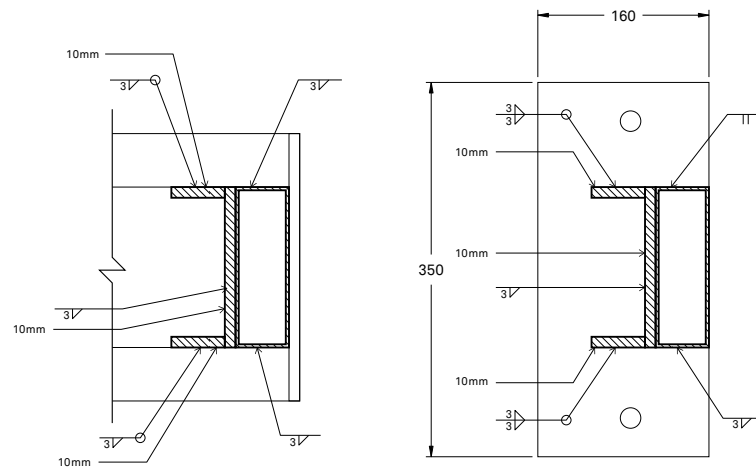
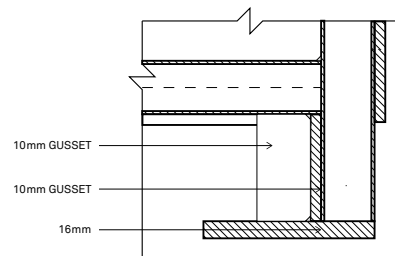
SIDE VIEW  
SCALE 1:25

### REDESIGN OF SIGN REQUIRED PRIOR TO FUTURE IMPLEMENTATION

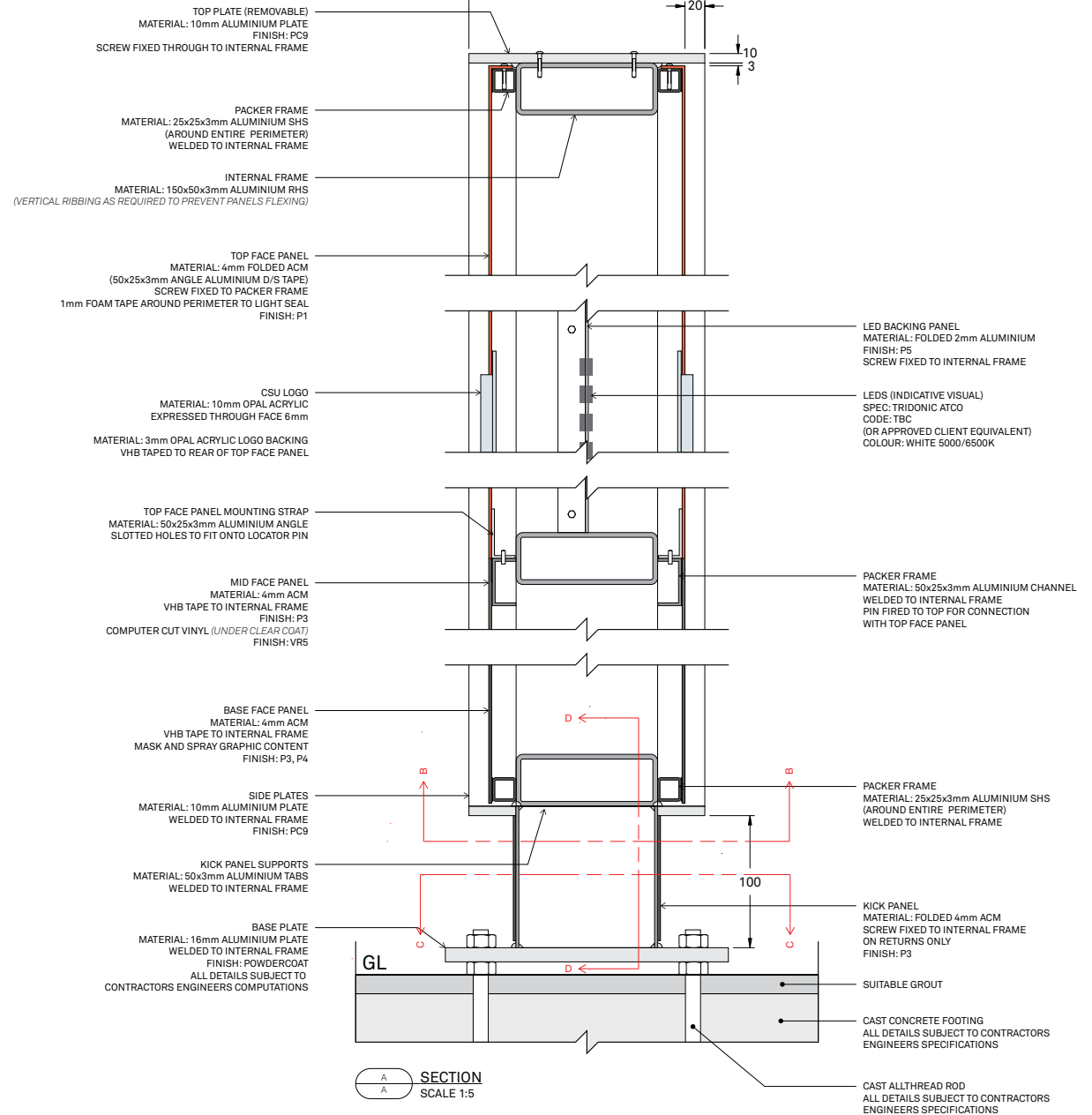
#### Recommendations:

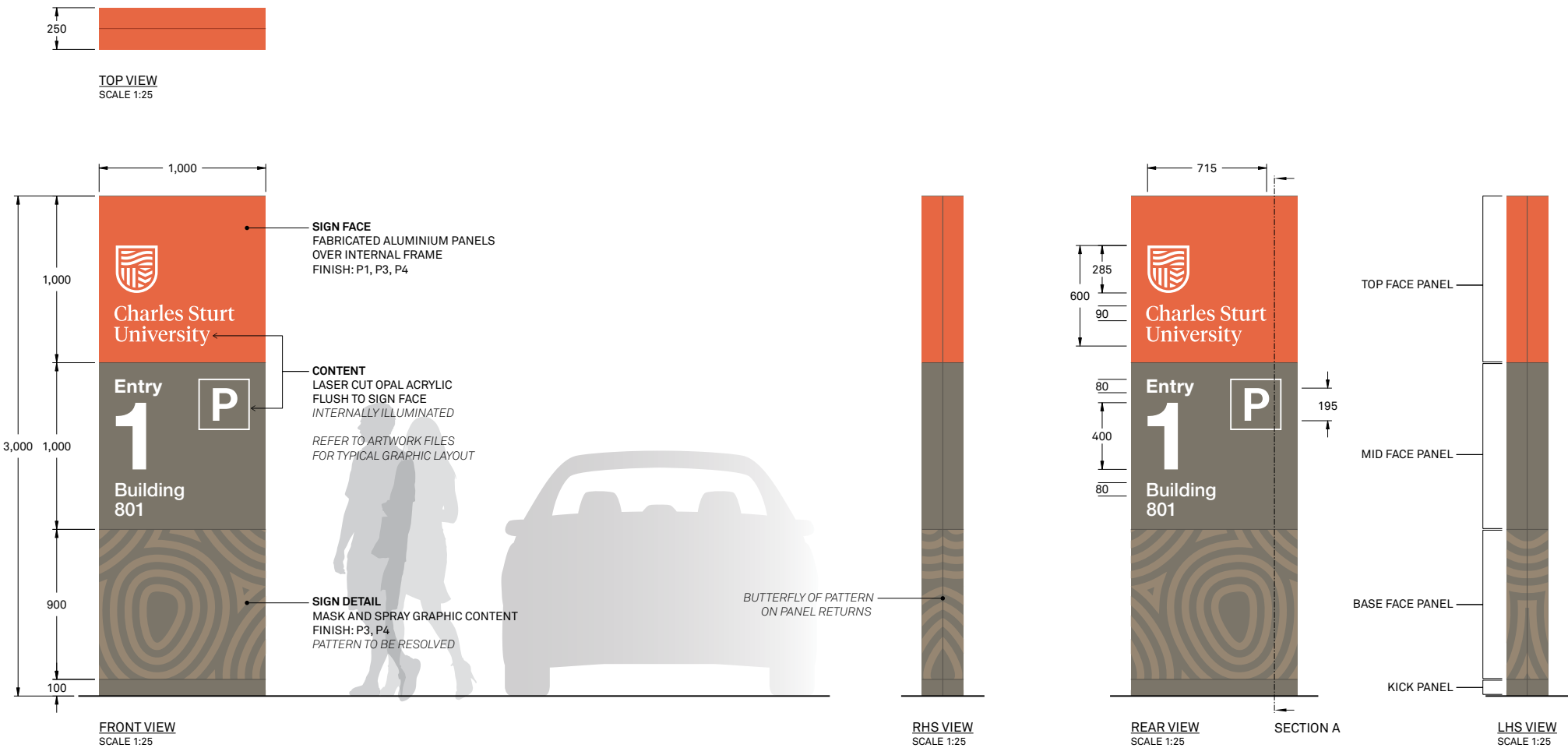
- Increase size to 4m or 5m to increase legibility
- Update fabrication methods to match new signage standards with: (refer to 'EIT' for similar details)
  - Simplified construction and assembly
  - Remove aluminium outer trim
  - Steel internal frame (currently aluminium)
  - Charles Sturt Logo flush to face not expressed
  - Illuminate content on middle sign panels



SECTION  
B-B  
SCALE 1:5SECTION  
C-C  
SCALE 1:5SECTION  
D-D  
SCALE 1:5**REDESIGN OF SIGN REQUIRED PRIOR TO FUTURE IMPLEMENTATION****Recommendations:**

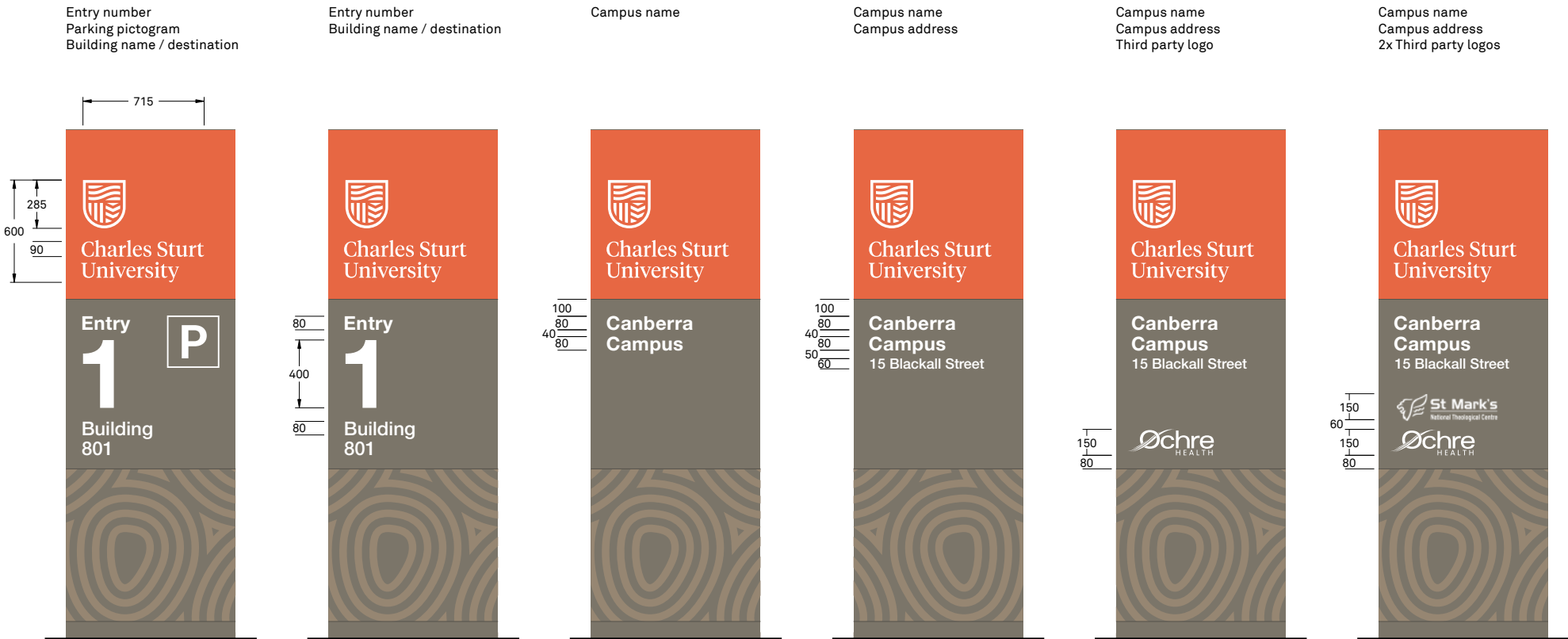
- Increase size to 4m or 5m to increase legibility
- Update fabrication methods to match new signage standards with: (refer to 'EIT' for similar details)
  - Simplified construction and assembly
  - Remove aluminium outer trim
  - Steel internal frame (currently aluminium)
  - Charles Sturt Logo flush to face not expressed
  - Illuminate content on middle sign panels



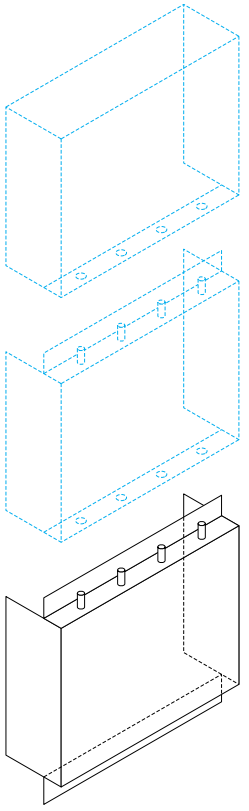
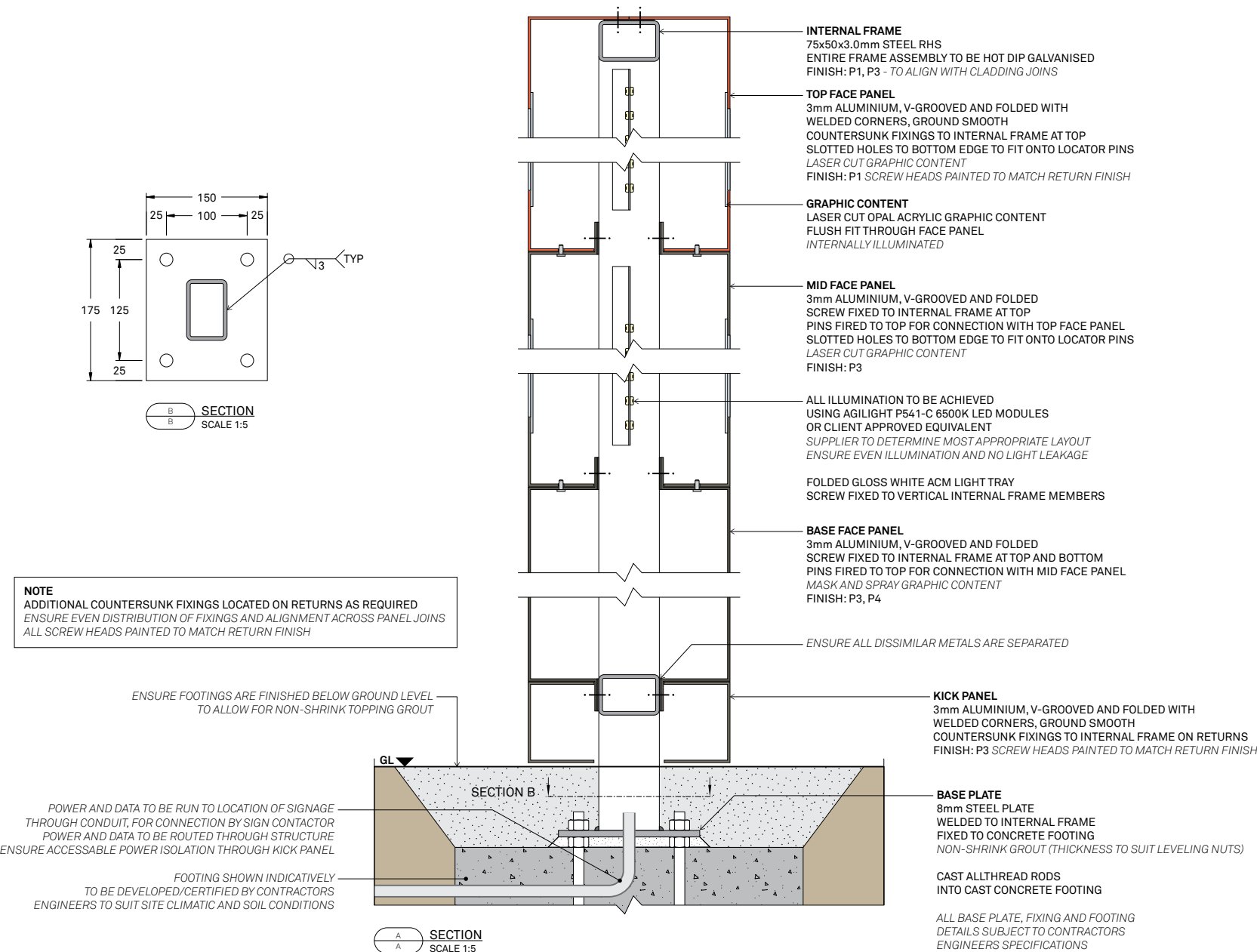




Entry identification totem  
Freestanding  
Double sided  
Illuminated



ALTERNATE LAYOUTS  
SCALE 1:25



INDICATIVE PANEL ASSEMBLY  
NOT TO SCALE

**FRAMEWORK**

FABRICATED 150X50X3 ALUMINIUM  
 INTERNAL FRAMEWORK  
 10mm SIDE PLATE, RHS, ANGLE CONSTRUCTION.  
 BOLTED DOWN TO CONCRETE FOOTING  
 (HIDDEN WITH LANDSCAPING)

**REMOVABLE TOP PLATE**

(TO ALLOW SIGNS PANELS TO BE ACCESSED)  
 FINISH: PC9

**SIGN PANELS**

INSET FROM EDGE 20mm  
 4mm ACM SIGN PANELS  
 FINISH: P3, P4

**TOP FACE PANEL**

DIGITALLY PRINTED MAP GRAPHIC TO 4mm ACM

**MID SECTION**

INTERIM TRAVELLER POSTER DISPLAY  
 OR APPROVED EQUIVALENT  
 FINISH: P3  
 DIGITAL PRINT TO BE INSERTED BEHIND

**BASE FACE PANEL**

MASK AND SPRAY GRAPHIC CONTENT  
 FINISH: P3, P4  
 PATTERN TO BE RESOLVED

**CLEAR COAT**

ANTI GRAFFITI COATING TO ALL PANELS  
 (SPEC TBC)

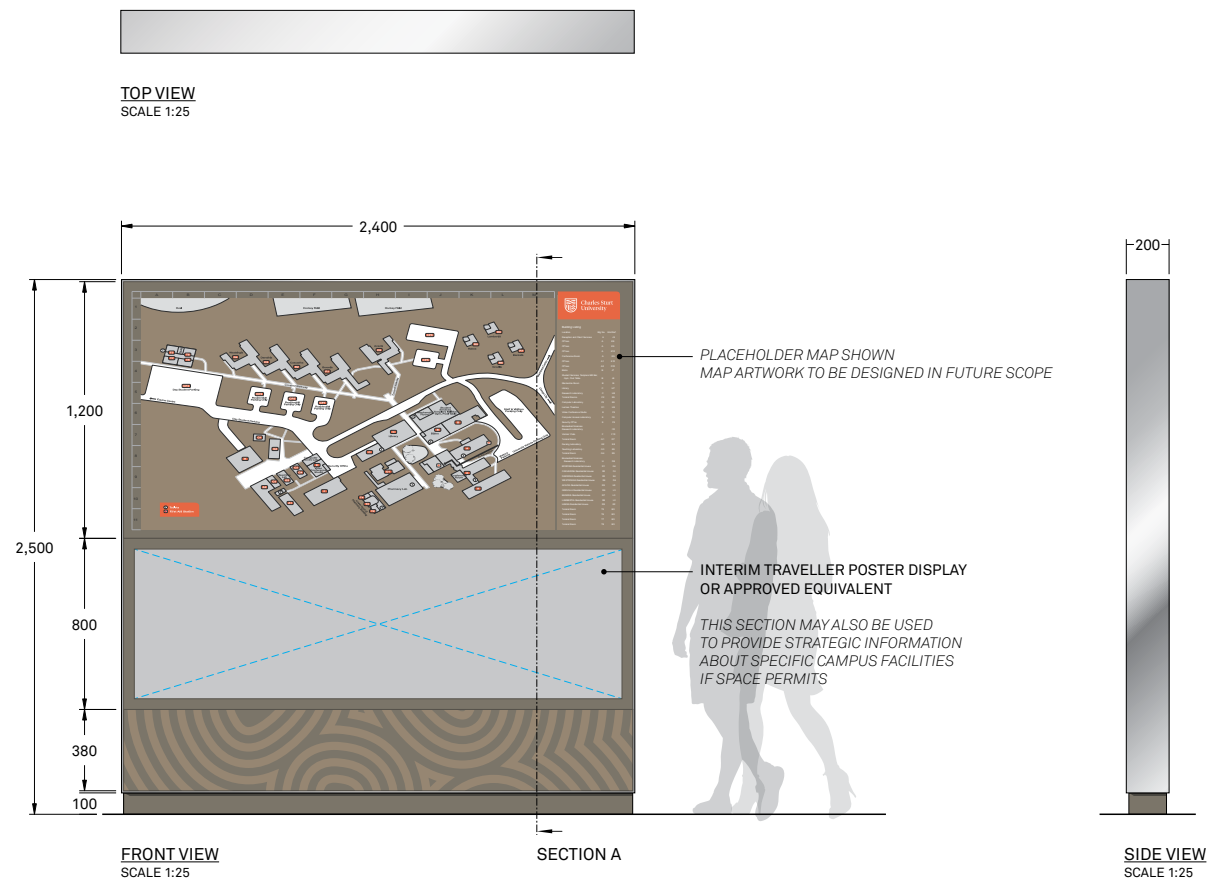
**100mm DEEP KICK PANEL**

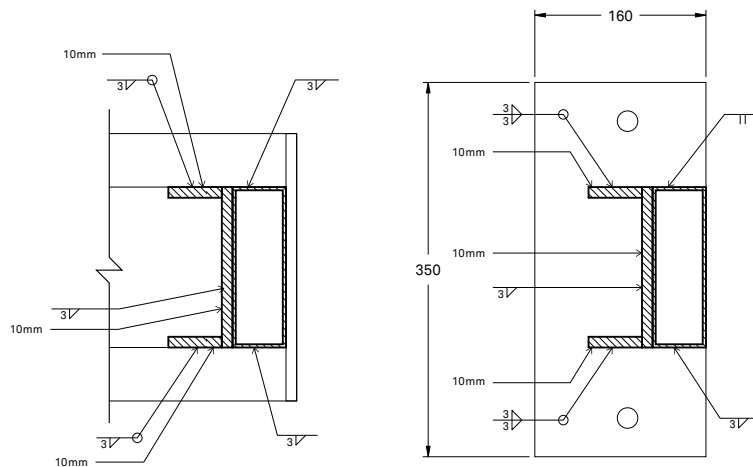
FINISH: P3

### REDESIGN OF SIGN REQUIRED PRIOR TO FUTURE IMPLEMENTATION

**Recommendations:**

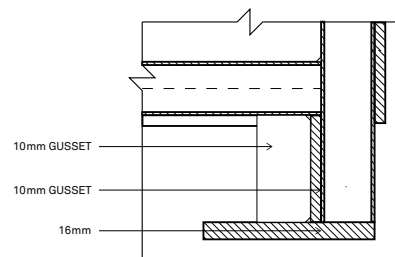
- Reduce height of sign to increase map legibility
- Align map height and content with recommended viewing zones for pedestrians (ref AS 1428.2)
- Update fabrication methods to match new signage standards with: (refer to 'EIT' for similar details)
  - Simplified construction and assembly
  - Remove aluminium outer trim
  - Steel internal frame (currently aluminium)
  - Remove poster display zone





**SECTION**  
 SCALE 1:5

**SECTION**  
 SCALE 1:5



**SECTION**  
 SCALE 1:5

### REDESIGN OF SIGN REQUIRED PRIOR TO FUTURE IMPLEMENTATION

#### Recommendations:

- Reduce height of sign to increase map legibility
- Align map height and content with recommended viewing zones for pedestrians (ref AS 1428.2)
- Update fabrication methods to match new signage standards with: (refer to 'EIT' for similar details)
  - Simplified construction and assembly
  - Remove aluminium outer trim
  - Steel internal frame (currently aluminium)
  - Remove poster display zone

TOP PLATE (REMOVABLE)  
 MATERIAL: 10mm ALUMINIUM PLATE  
 FINISH: PC9  
 SCREW FIXED THROUGH TO INTERNAL FRAME

INTERNAL FRAME  
 MATERIAL: 150x50x3mm ALUMINIUM RHS  
 (VERTICAL RIBBING AS REQUIRED TO PREVENT PANELS FLEXING)

TOP FACE PANEL  
 MATERIAL: 4mm FOLDED ACM  
 DIGITALLY PRINTED MAP GRAPHICS  
 VHB TAPE TO INTERNAL FRAME AT TOP  
 SCREW FIXED TO INTERNAL FRAME AT BOTTOM OF PANEL  
 FINISH: P3

INTERIM TRAVELLER POSTER DISPLAY  
 OR APPROVED EQUIVALENT  
 FRONT FACE FLUSH WITH SIGN FACE  
 SCREW FIXED TO INTERNAL FRAME  
 FINISH: P3

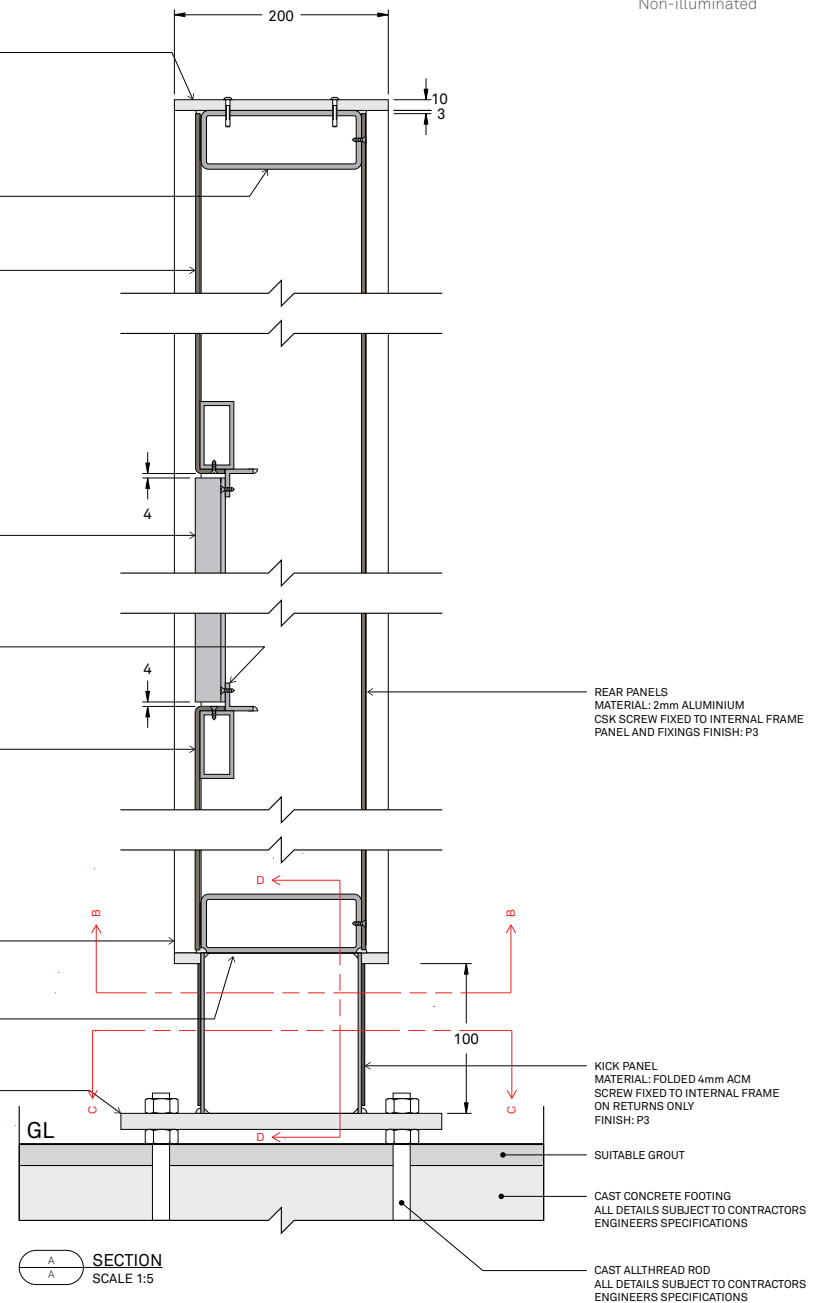
25x25x3mm ALUMINIUM ANGLE  
 WELDED TO INTERNAL FRAME

BASE FACE PANEL  
 MATERIAL: 4mm ACM  
 SCREW FIXED TO INTERNAL FRAME AT TOP  
 VHB TAPE TO INTERNAL FRAME AT BOTTOM OF PANEL  
 MASK AND SPRAY GRAPHIC CONTENT  
 FINISH: P3, P4

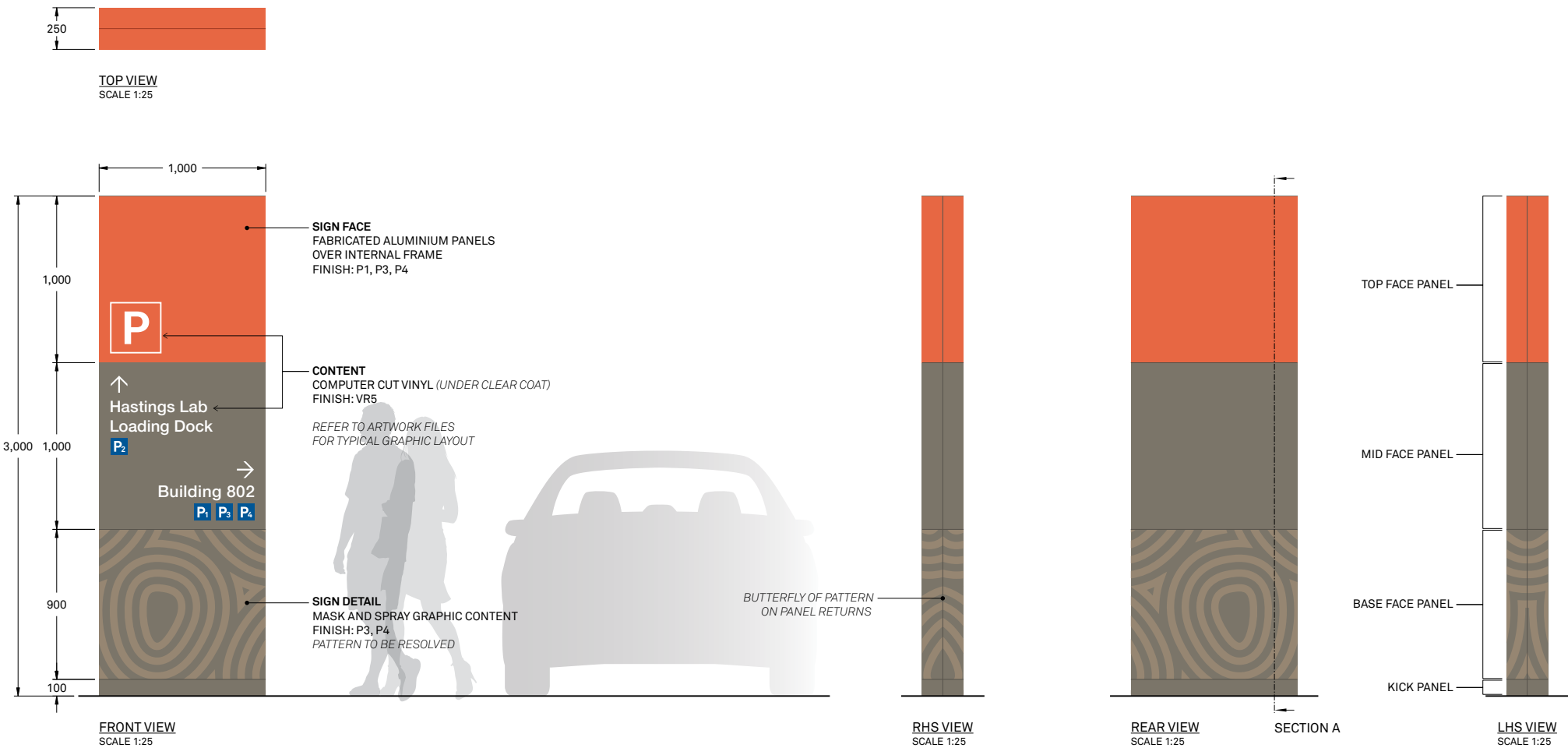
SIDE PLATES  
 MATERIAL: 10mm ALUMINIUM PLATE  
 WELDED TO INTERNAL FRAME  
 FINISH: PC9

KICK PANEL SUPPORTS  
 MATERIAL: 50x3mm ALUMINIUM TABS  
 WELDED TO INTERNAL FRAME

BASE PLATE  
 MATERIAL: 16mm ALUMINIUM PLATE  
 WELDED TO INTERNAL FRAME  
 FINISH: POWDERCOAT  
 ALL DETAILS SUBJECT TO CONTRACTORS ENGINEERS COMPUTATIONS



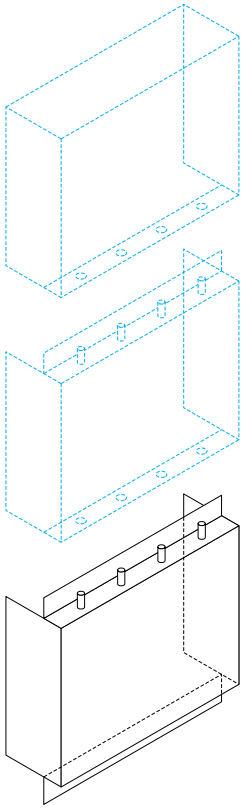
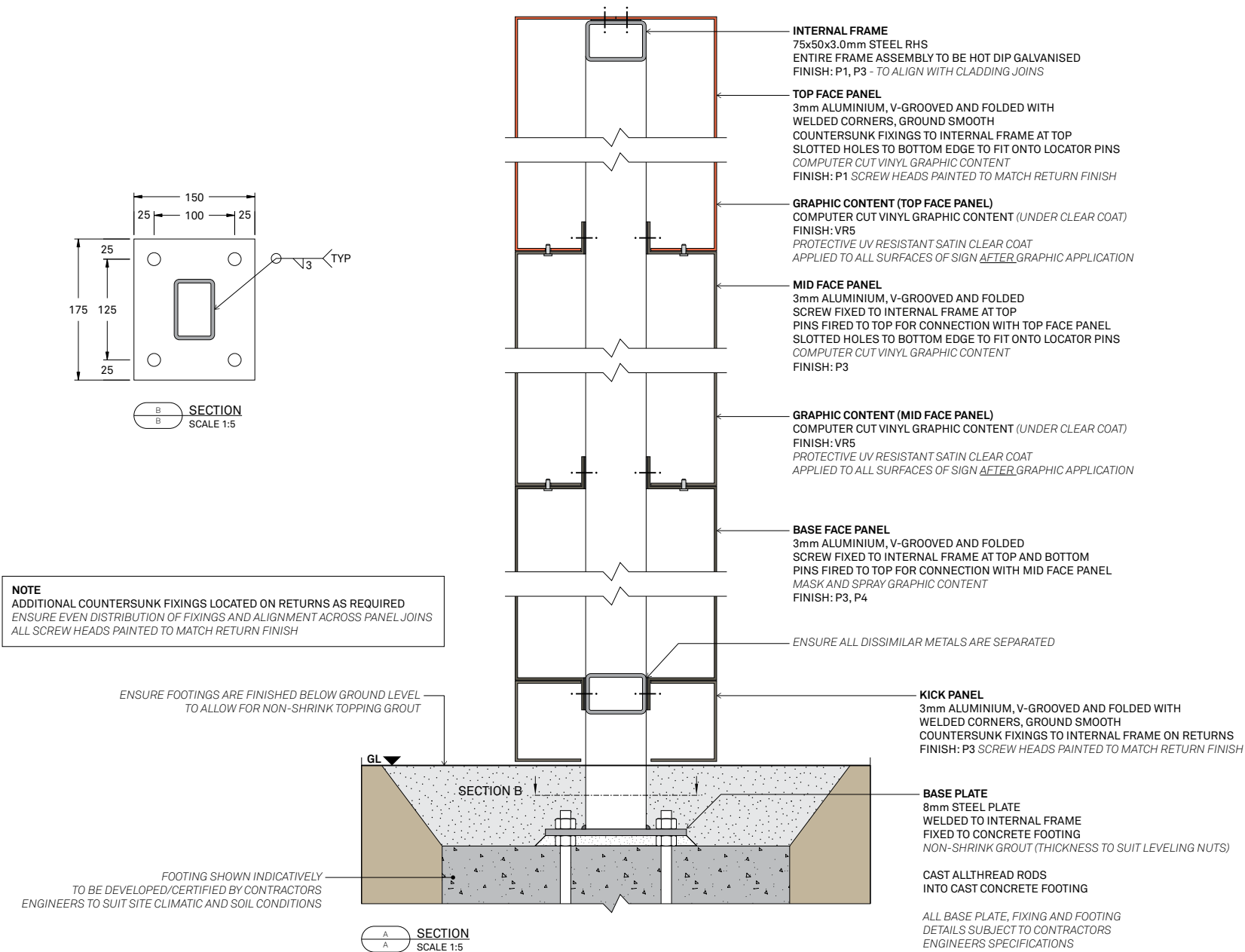
**SECTION**  
 SCALE 1:5





ALTERNATE LAYOUTS  
SCALE 1:25

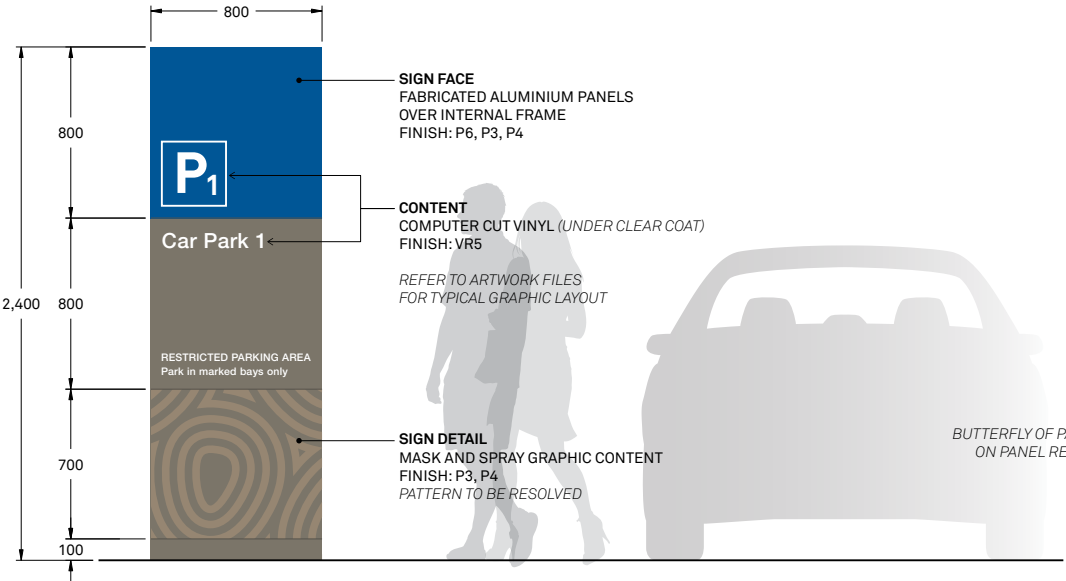




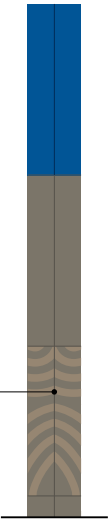
**INDICATIVE PANEL ASSEMBLY**  
NOT TO SCALE



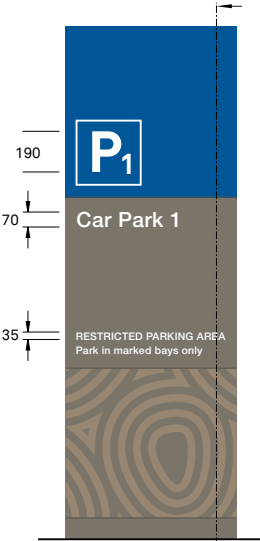
TOP VIEW  
SCALE 1:25



FRONT VIEW  
SCALE 1:25

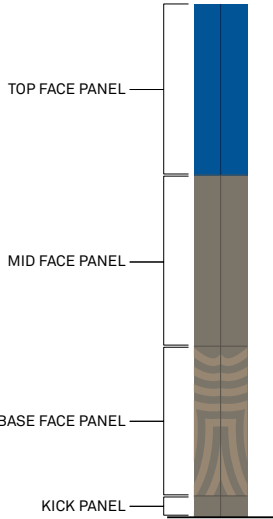


RHS VIEW  
SCALE 1:25



REAR VIEW  
SCALE 1:25

SECTION A



LHS VIEW  
SCALE 1:25



Car park entry  
Freestanding  
Double sided  
Non-illuminated

Parking pictogram with number  
Car park name / number  
Restricted parking area

Parking pictogram with number  
Car park name / number  
Restricted parking area

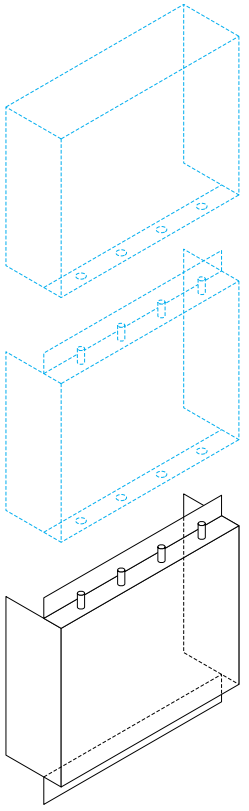
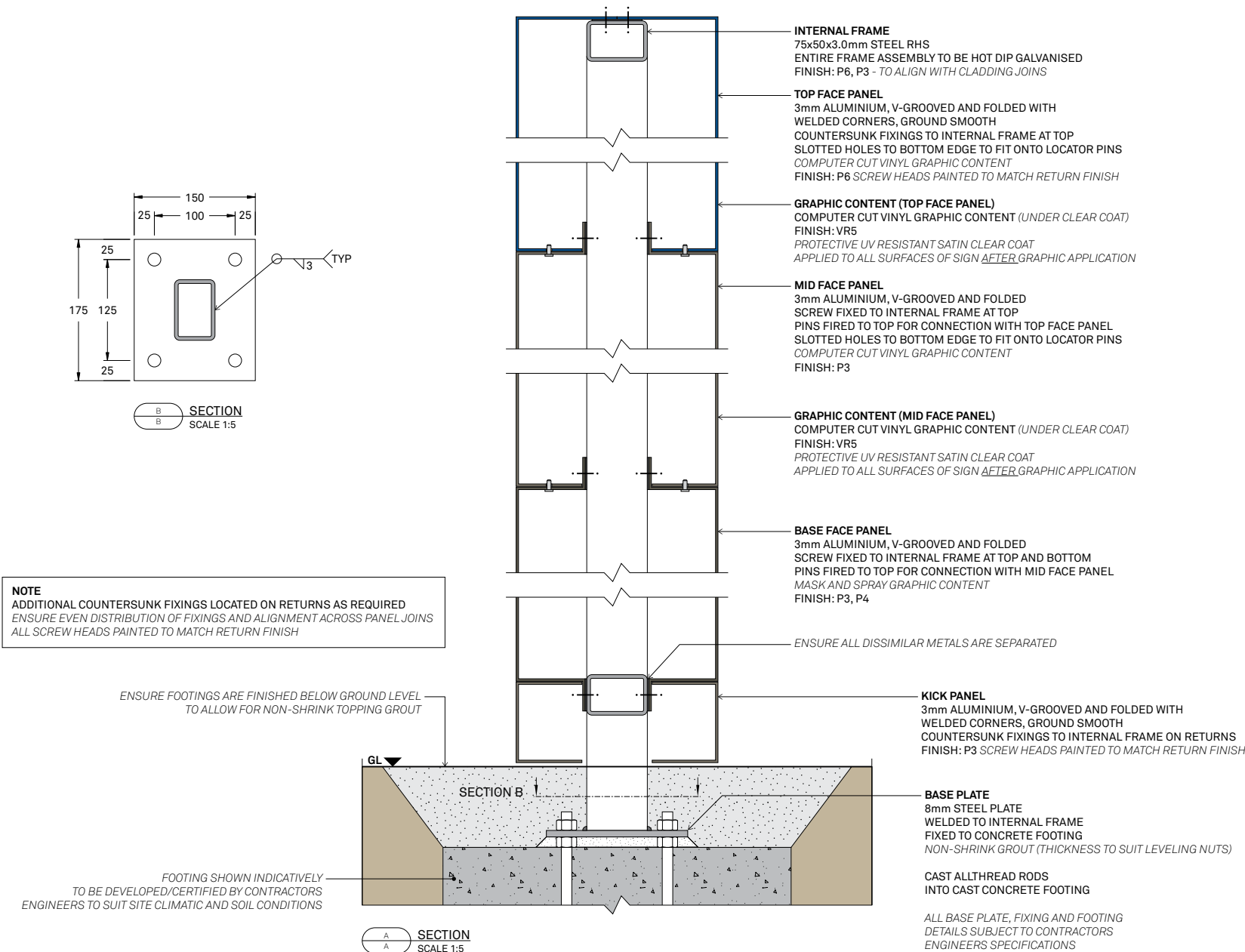
Parking pictogram with number  
Car park name / number  
Restricted parking area

Parking pictogram with number  
Car park name / number  
Third party names  
Restricted parking area

Parking pictogram with number  
Car park name / number  
Third party names  
VMS counter  
Restricted parking area

Parking pictogram  
No content





INDICATIVE PANEL ASSEMBLY  
NOT TO SCALE

**SIGN FACE**

3mm ALUMINIUM PANEL

FINISH: P5

**GRAPHICS**

COMPUTER CUT VINYL (UNDER CLEAR COAT)

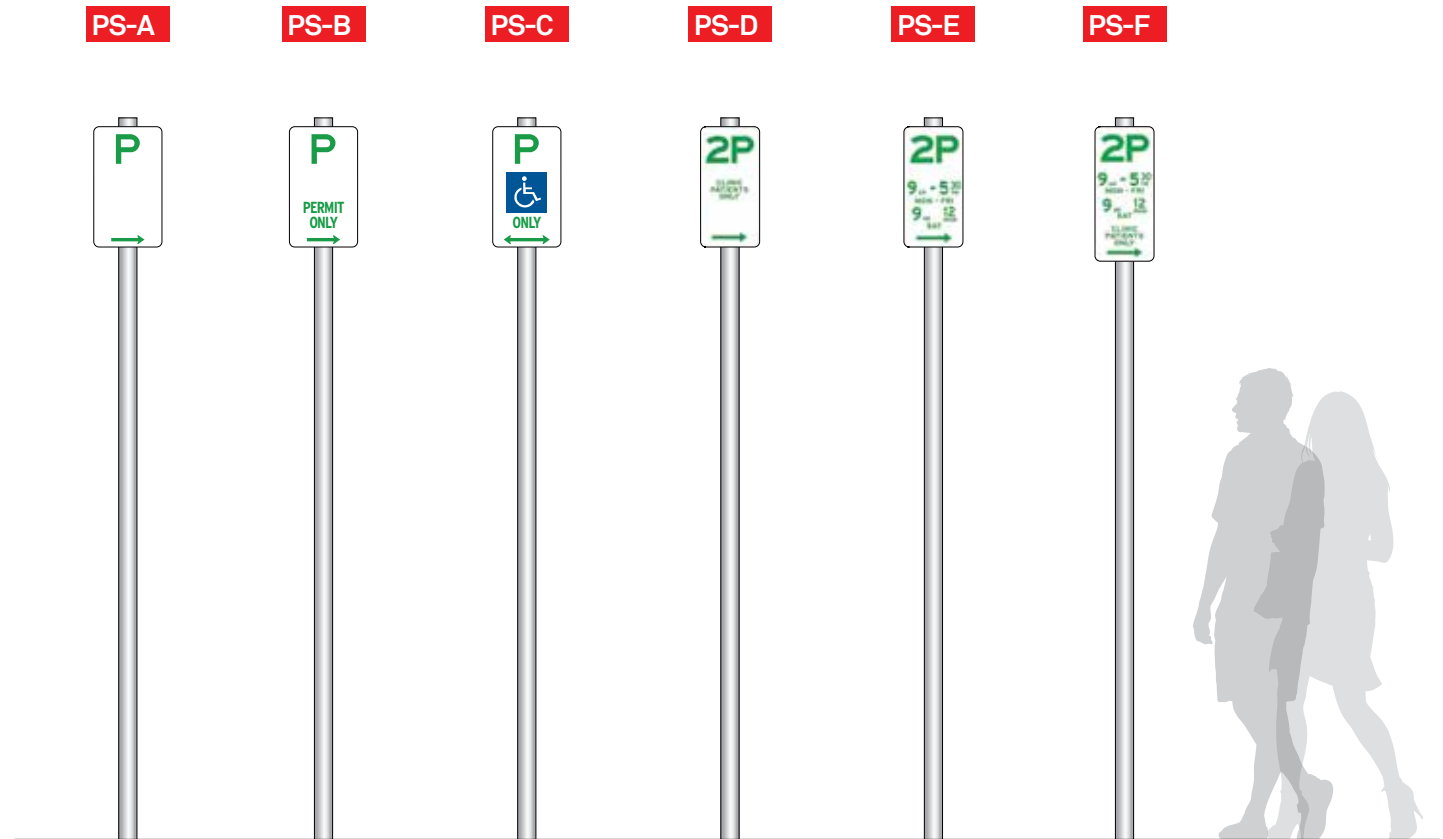
FINISH TO MATCH: VO7, VO8, VO10, VO11

REFLECTIVE VINYLs TO MATCH AS REQUIRED

**CLEAR COAT**

ANTI GRAFFITI COATING TO ALL PANELS

(SPEC TBC)



**ALTERNATE LAYOUTS**  
 SCALE 1:20

**SIGN FACE**

3mm ALUMINIUM PANEL

FINISH: P5

**GRAPHICS**

COMPUTER CUT VINYL (UNDER CLEAR COAT)

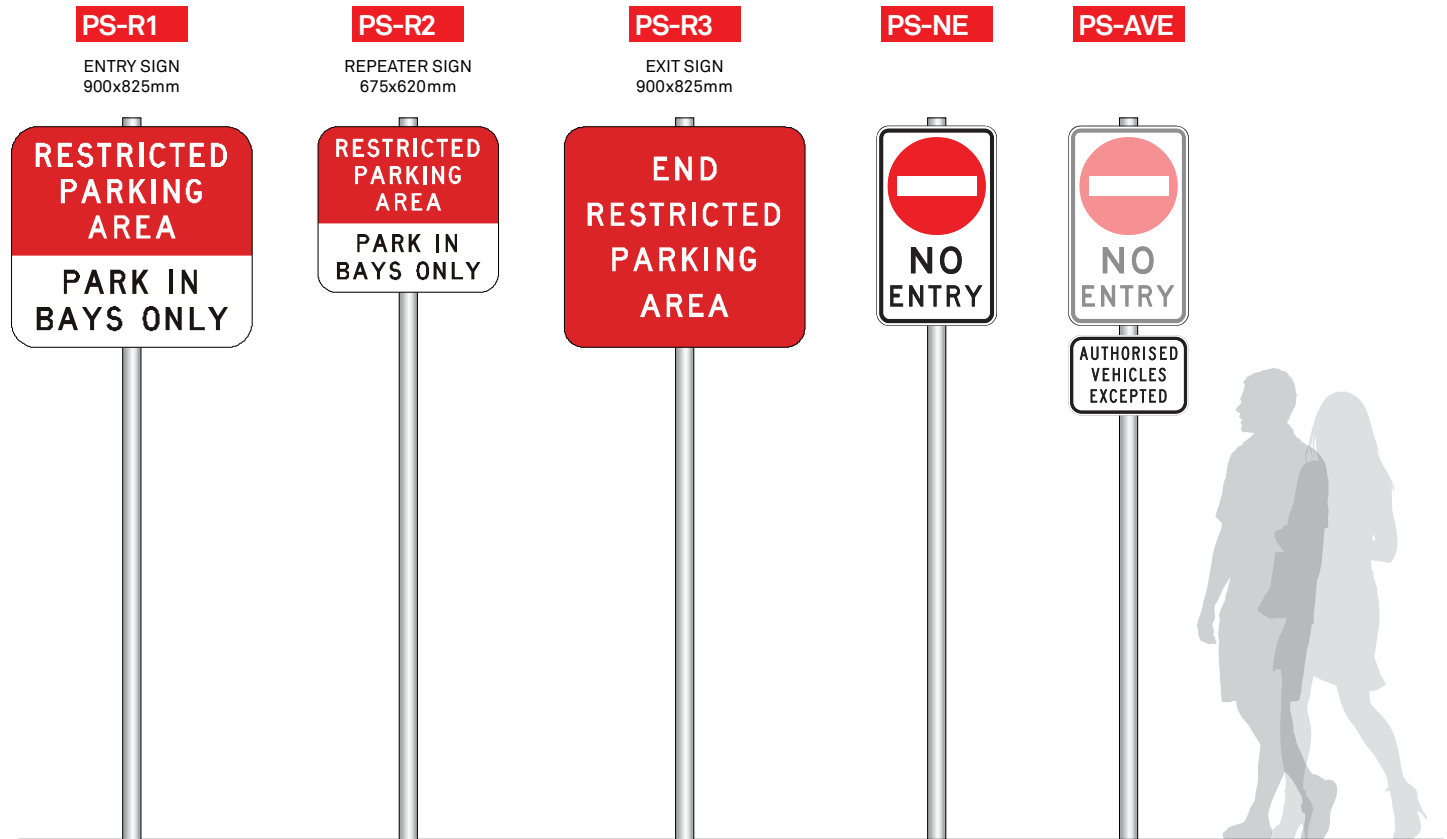
FINISH TO MATCH: VO7, VO8, VO10, VO11

REFLECTIVE VINYL TO MATCH AS REQUIRED

**CLEAR COAT**

ANTI GRAFFITI COATING TO ALL PANELS

(SPEC TBC)



ALTERNATE LAYOUTS  
 SCALE 1:20

**SIGN FACE**

3mm ALUMINIUM PANEL

FINISH: P5

**GRAPHICS**

COMPUTER CUT VINYL (UNDER CLEAR COAT)

FINISH TO MATCH: VO7, VO8, VO10, VO11

REFLECTIVE VINYL TO MATCH AS REQUIRED

**CLEAR COAT**

ANTI GRAFFITI COATING TO ALL PANELS

(SPEC TBC)

225X500mm



adjust spacing to suit contents  
as per request

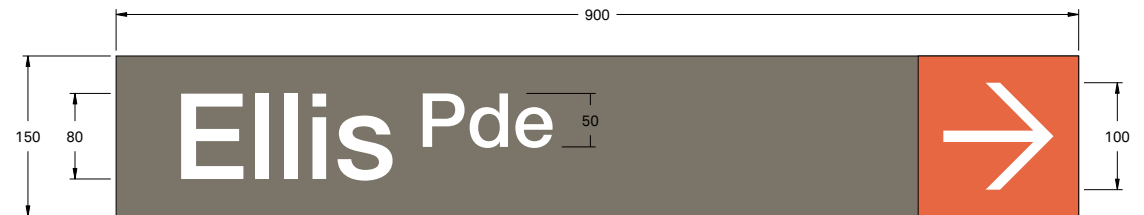
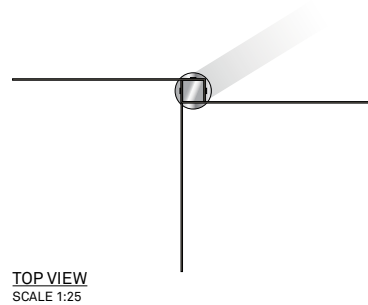
225X450mm



225X450mm



spacing and design as per  
RTA specifications(AS 1742.11) set-up



**GRAPHIC LAYOUT**  
SCALE 1:5

**SIGN BLADE**

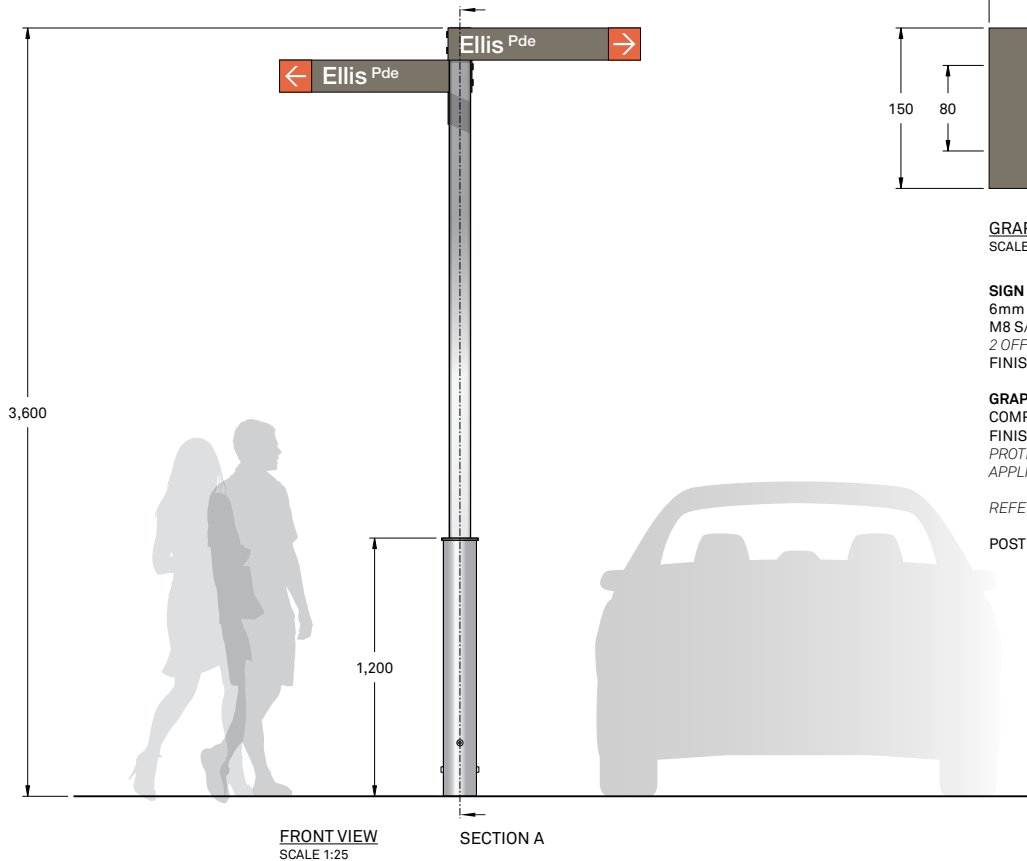
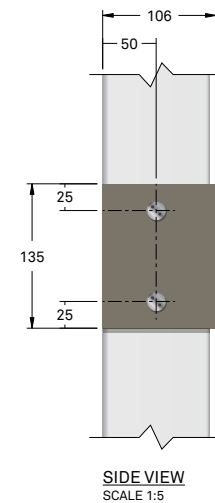
6mm ALUMINIUM, V-GROOVED AND FOLDED  
 M8 S/S EYE DRIVE SECURITY FIXINGS TO INTERNAL FRAME  
 2 OFF FIXINGS PER BLADE  
 FINISH: P1, P3

**GRAPHIC CONTENT (TOP FACE PANEL)**

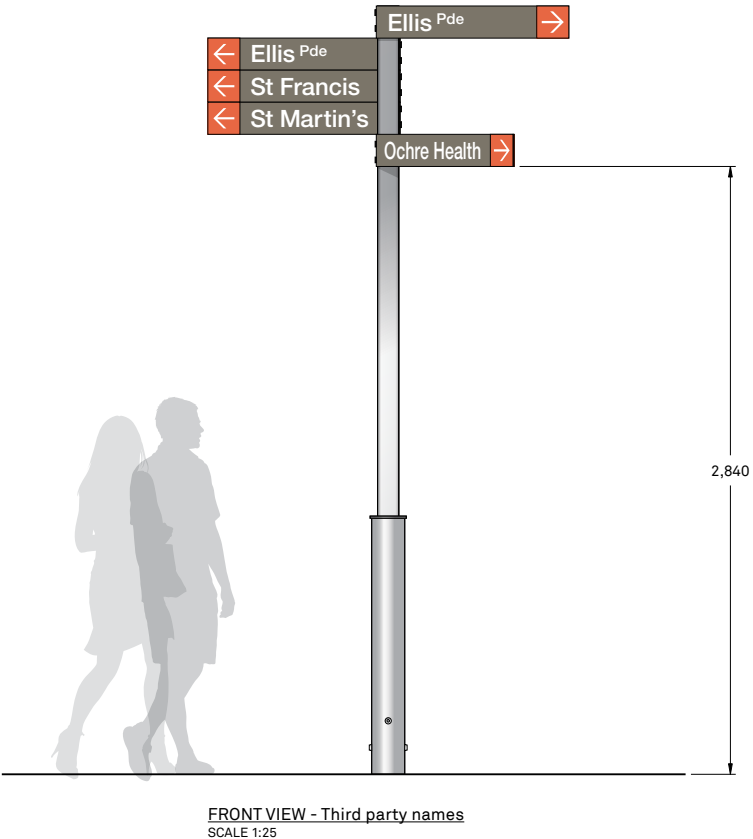
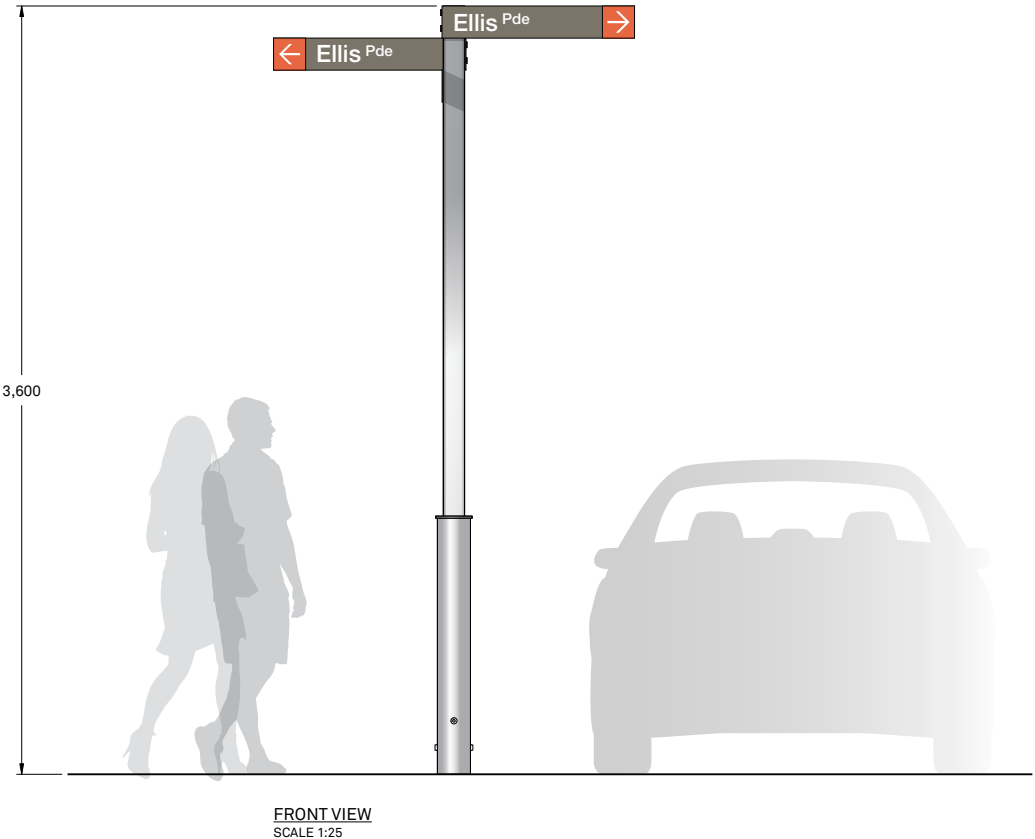
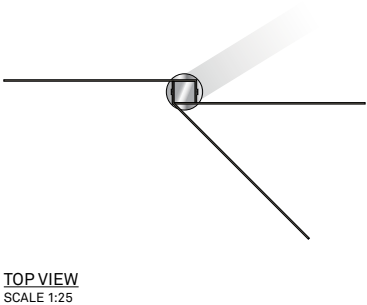
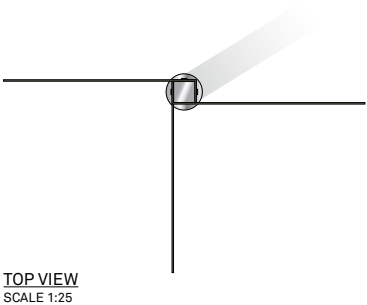
COMPUTER CUT VINYL GRAPHIC CONTENT (UNDER CLEAR COAT)  
 FINISH: VR5  
 PROTECTIVE UV RESISTANT SATIN CLEAR COAT  
 APPLIED TO ALL SURFACES OF SIGN AFTER GRAPHIC APPLICATION

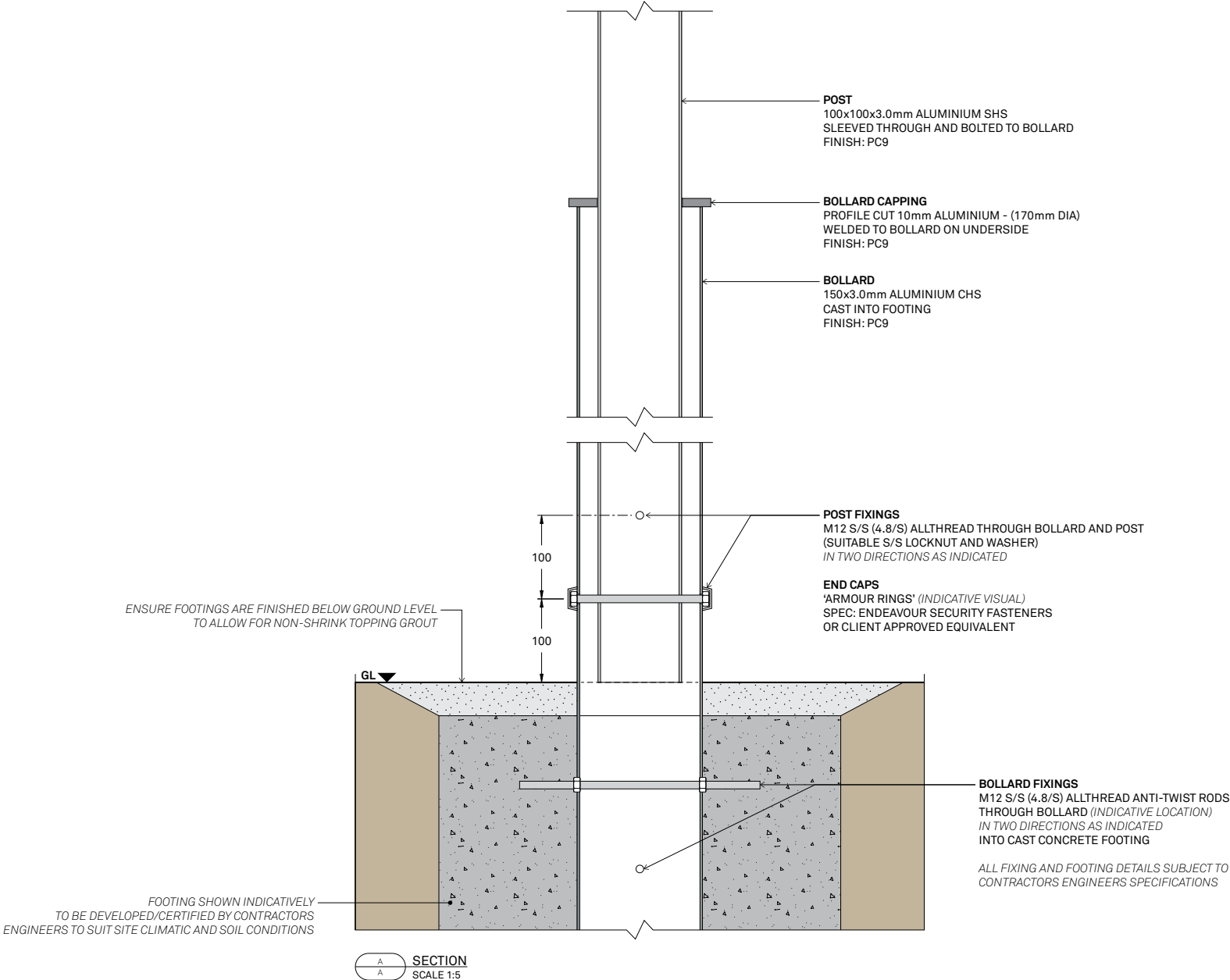
REFER TO ARTWORK FILES FOR TYPICAL GRAPHIC LAYOUT

POST AND BOLLARD AS PER SECTION DETAIL







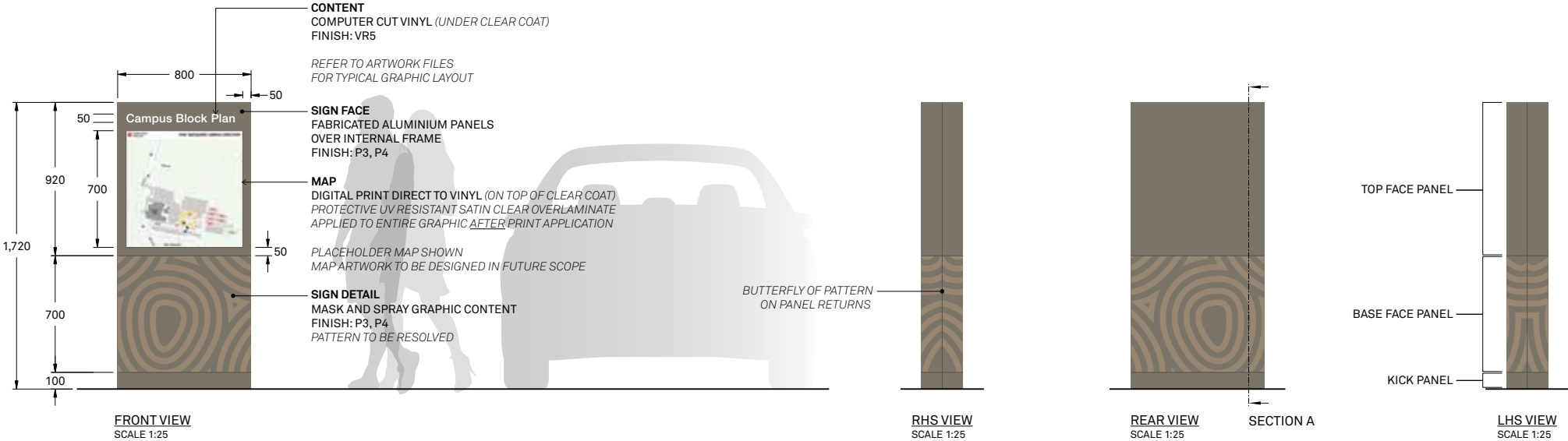


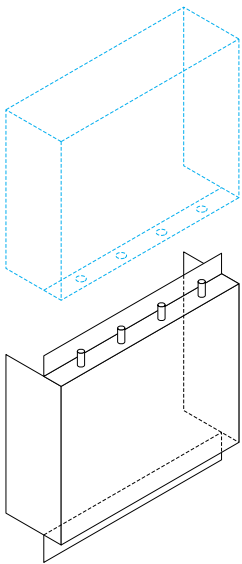
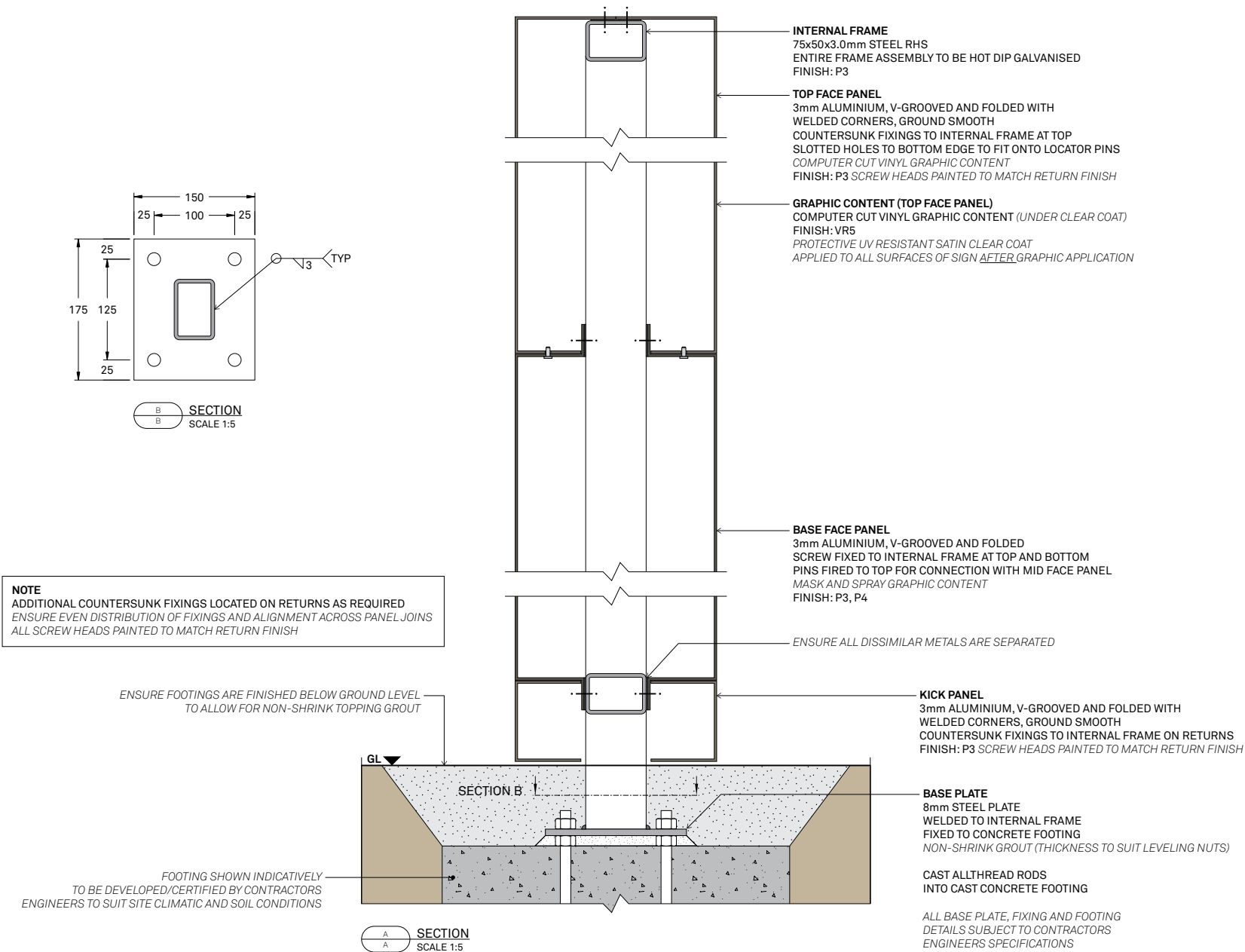


**Fire safety totem**  
Freestanding  
Single sided  
Non-illuminated



TOP VIEW  
SCALE 1:25



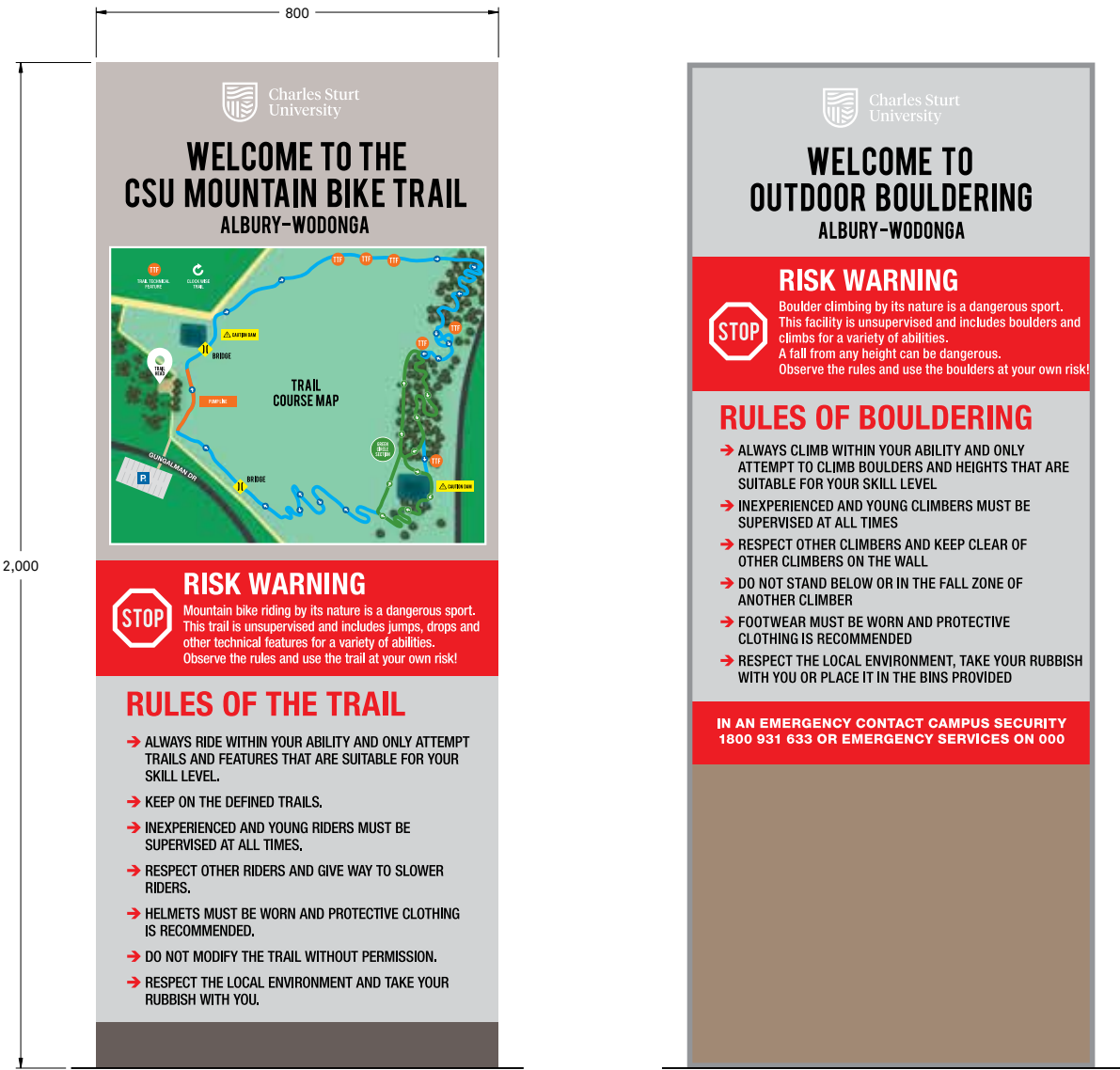


INDICATIVE PANEL ASSEMBLY  
NOT TO SCALE

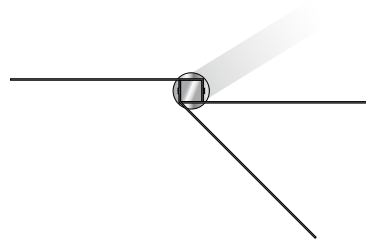
**REDESIGN OF SIGN REQUIRED PRIOR TO FUTURE IMPLEMENTATION**

Recommendations:

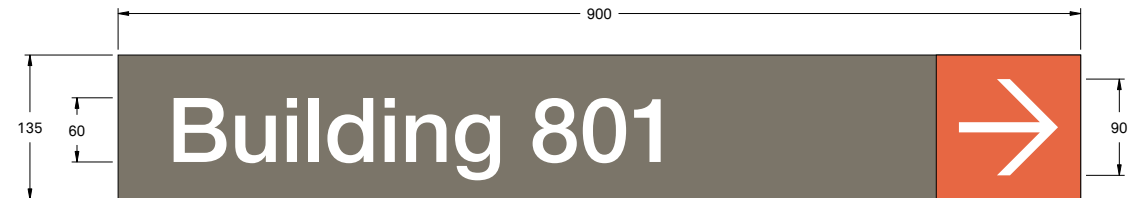
- Standardise sign size to align with new sizes
- Update graphic layout to align with recommended viewing zones for pedestrians (reference Australian Standards AS 1428.2) and to increase legibility
- Update fabrication methods to match new signage standards with: (refer to 'FST' for similar details)
  - Simplified construction and assembly
  - Steel internal frame (currently aluminium)
  - Incorporate Charles Sturt brand colours and patterns



ALTERNATE LAYOUTS  
SCALE 1:10



TOP VIEW  
 SCALE 1:25



GRAPHIC LAYOUT  
 SCALE 1:5

**SIGN BLADE**

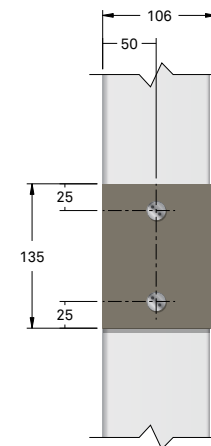
6mm ALUMINIUM, V-GROOVED AND FOLDED  
 M8 S/S EYE DRIVE SECURITY FIXINGS TO INTERNAL FRAME  
 2 OFF FIXINGS PER BLADE  
 FINISH: P1, P3

**GRAPHIC CONTENT (TOP FACE PANEL)**

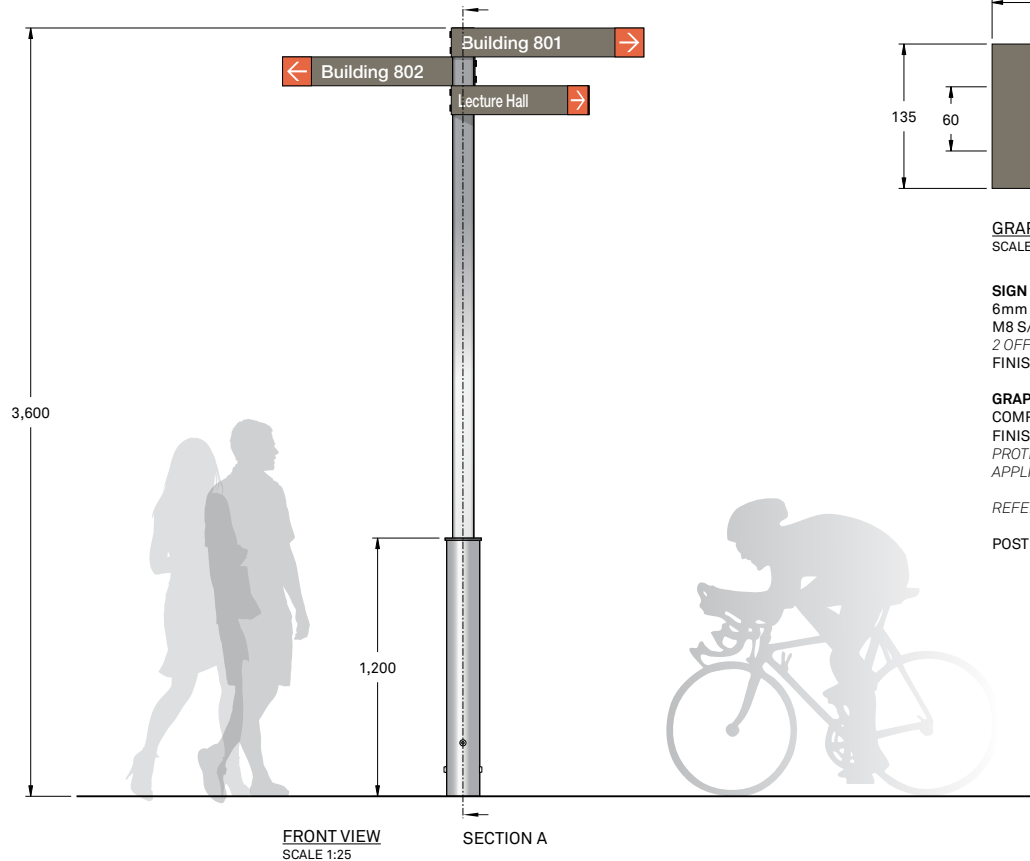
COMPUTER CUT VINYL GRAPHIC CONTENT (UNDER CLEAR COAT)  
 FINISH: VR5  
 PROTECTIVE UV RESISTANT SATIN CLEAR COAT  
 APPLIED TO ALL SURFACES OF SIGN AFTER GRAPHIC APPLICATION

REFER TO ARTWORK FILES FOR TYPICAL GRAPHIC LAYOUT

POST AND BOLLARD AS PER SECTION DETAIL

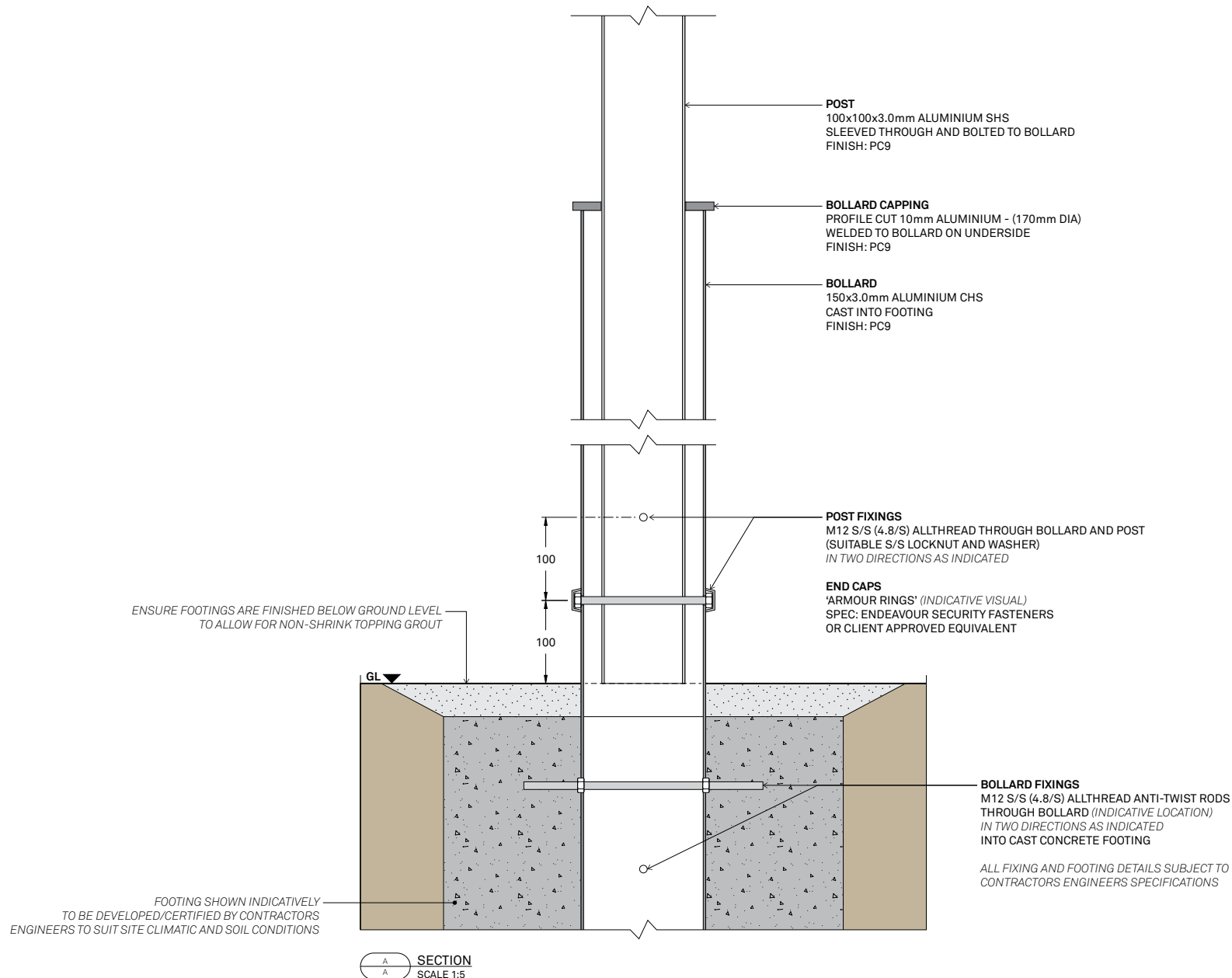


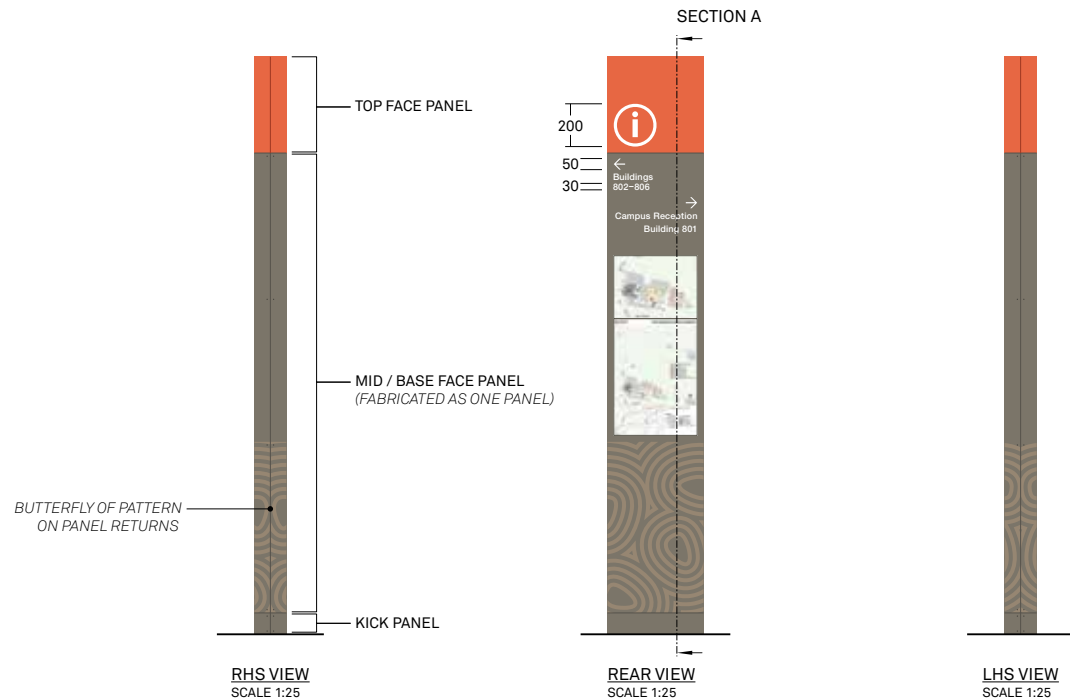
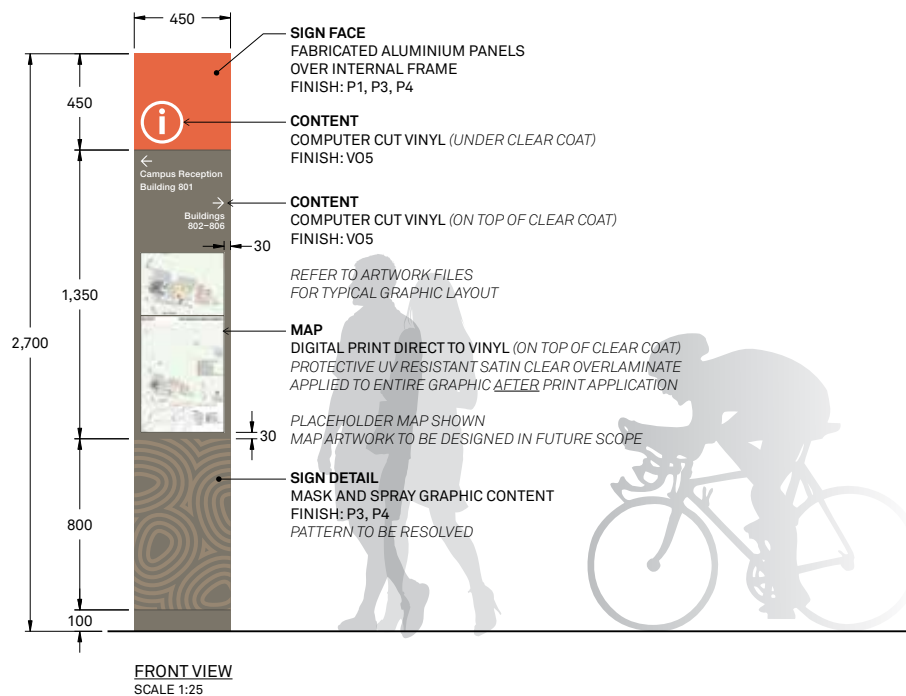
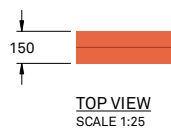
SIDE VIEW  
 SCALE 1:5



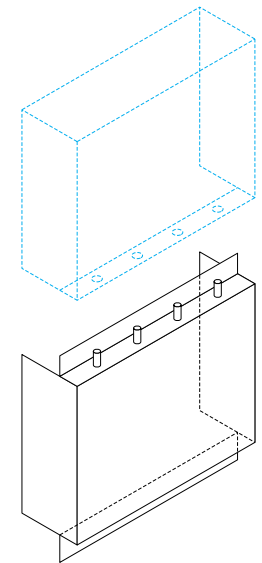
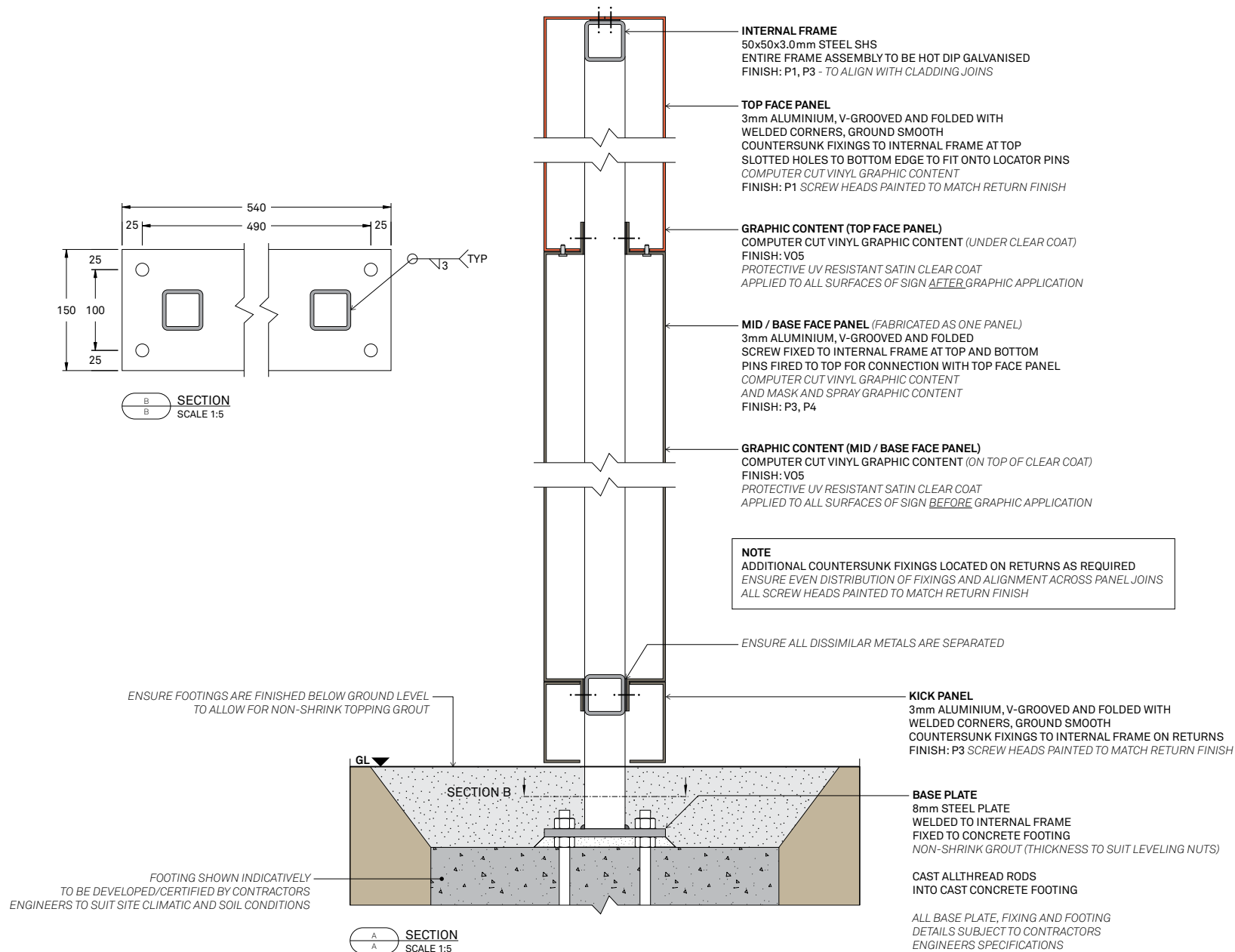
FRONT VIEW  
 SCALE 1:25

SECTION A

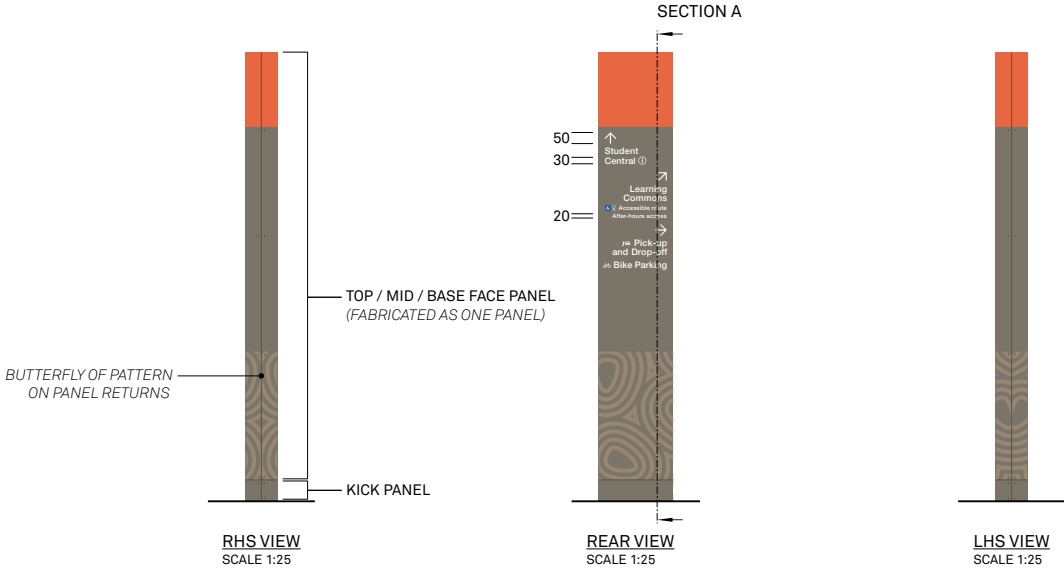
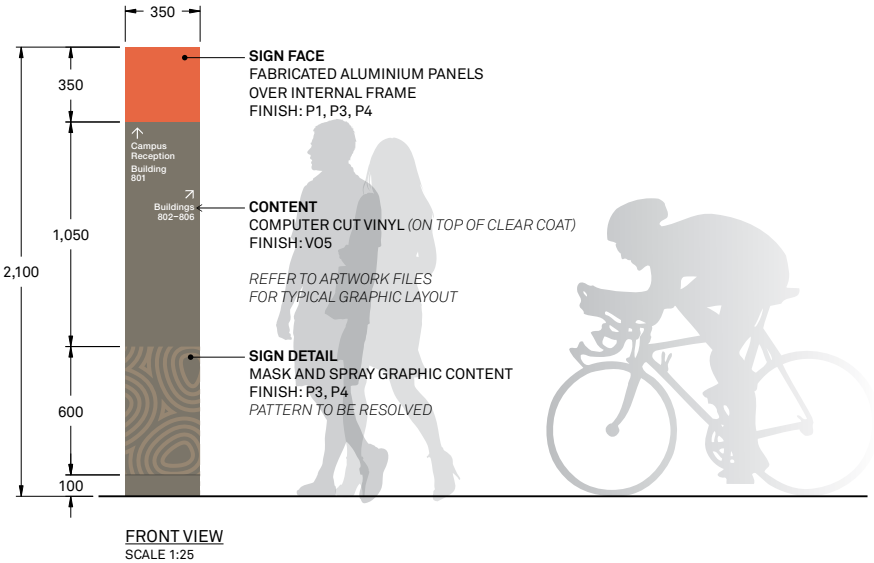
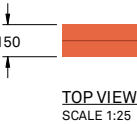


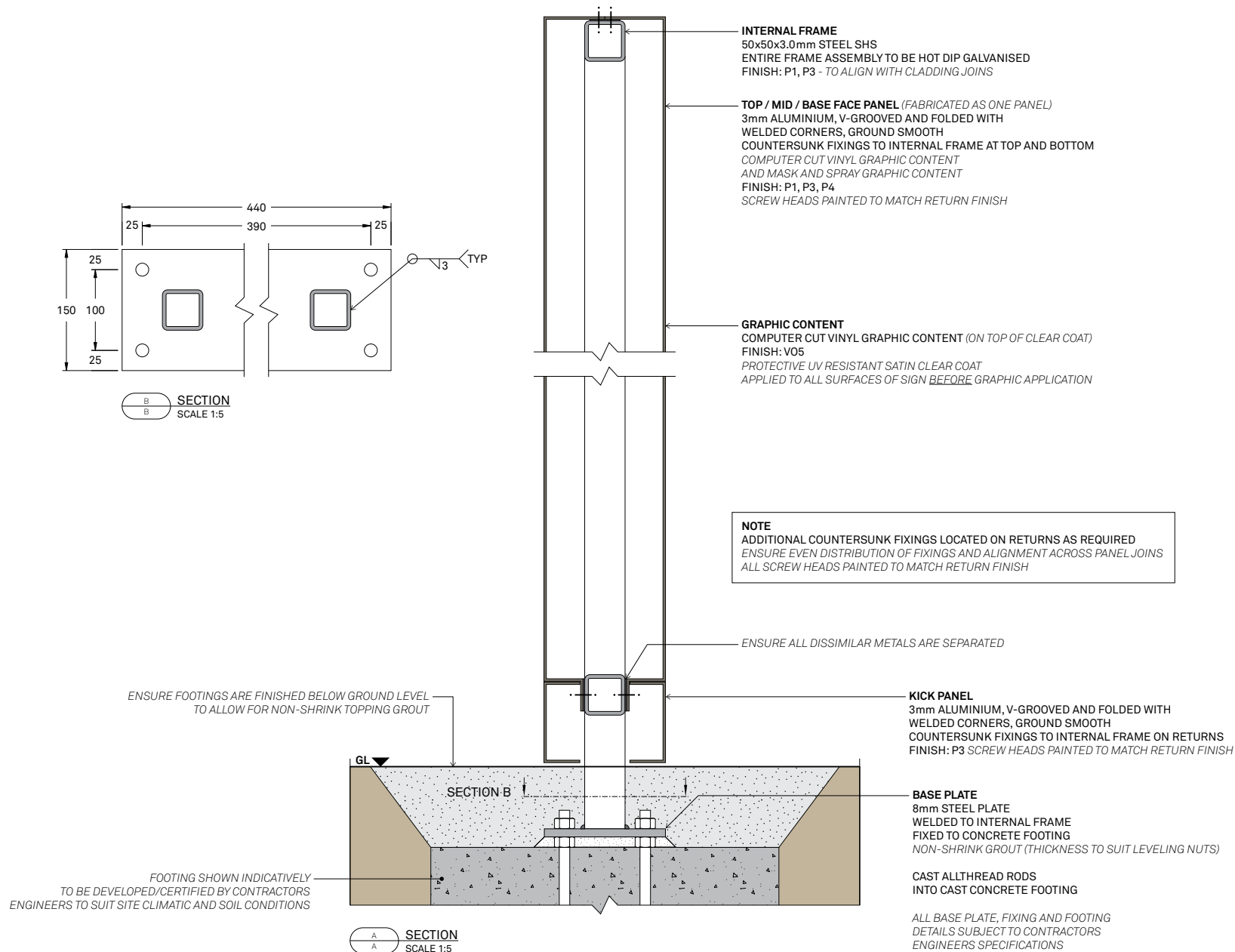


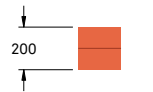




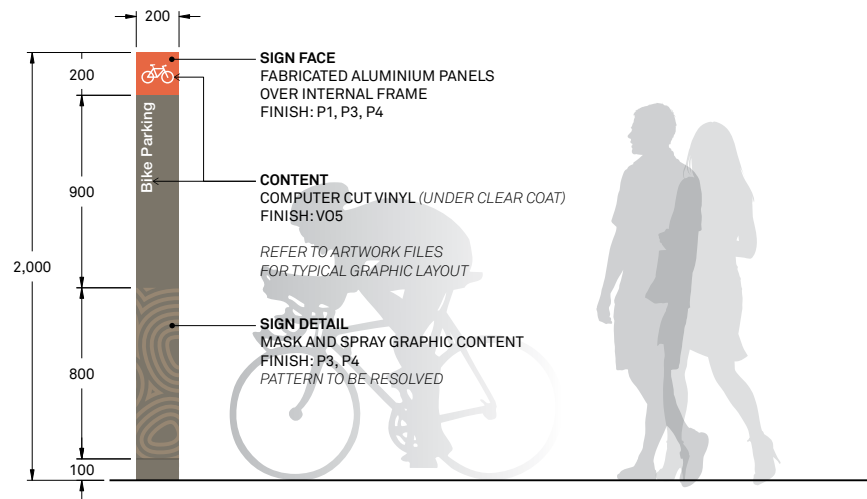
**INDICATIVE PANEL ASSEMBLY**  
NOT TO SCALE



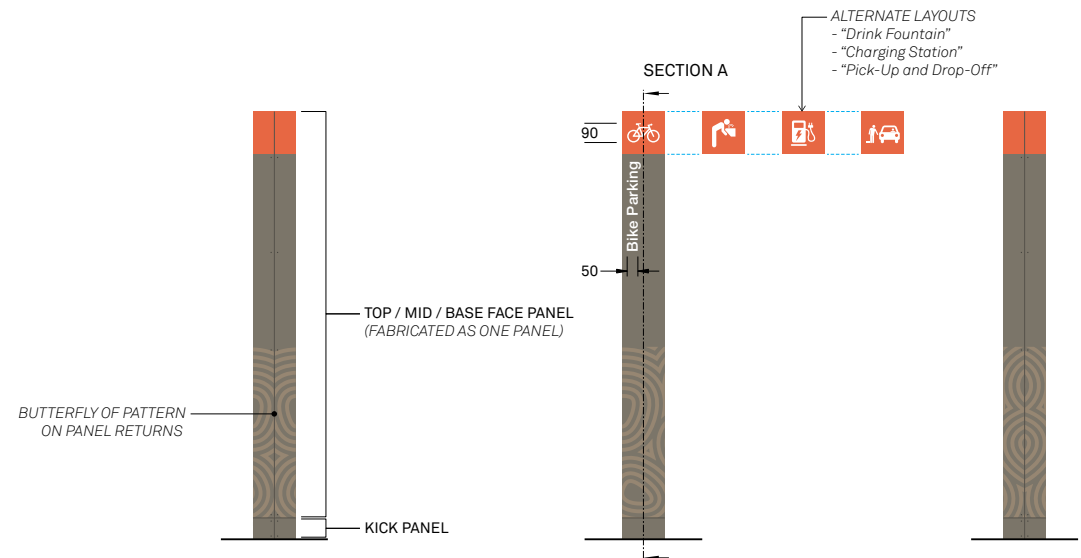




TOP VIEW  
SCALE 1:25



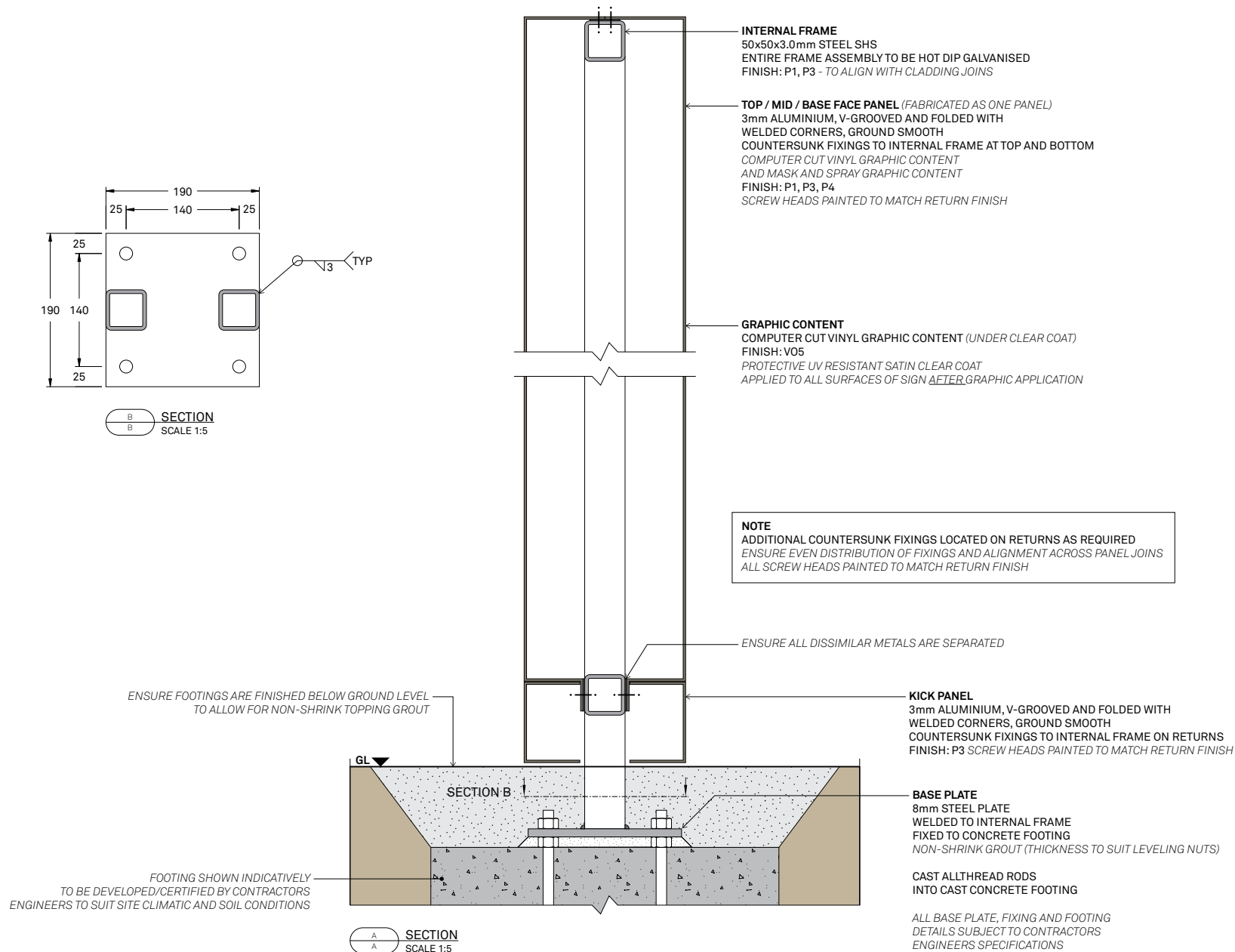
FRONT VIEW  
SCALE 1:25

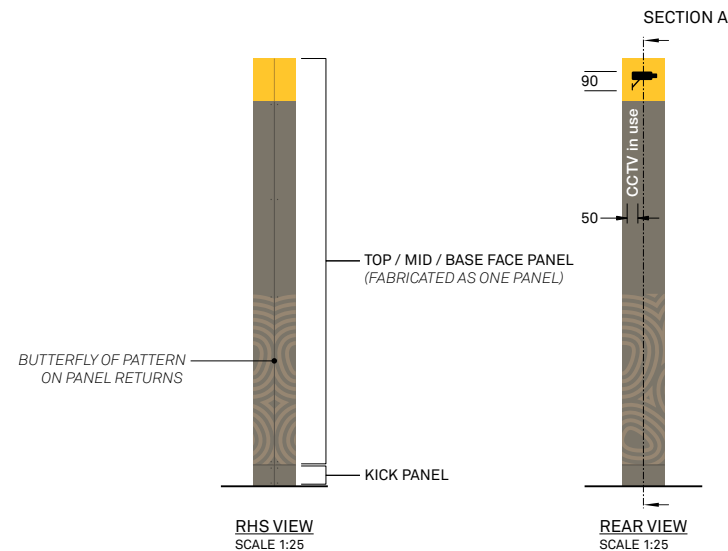
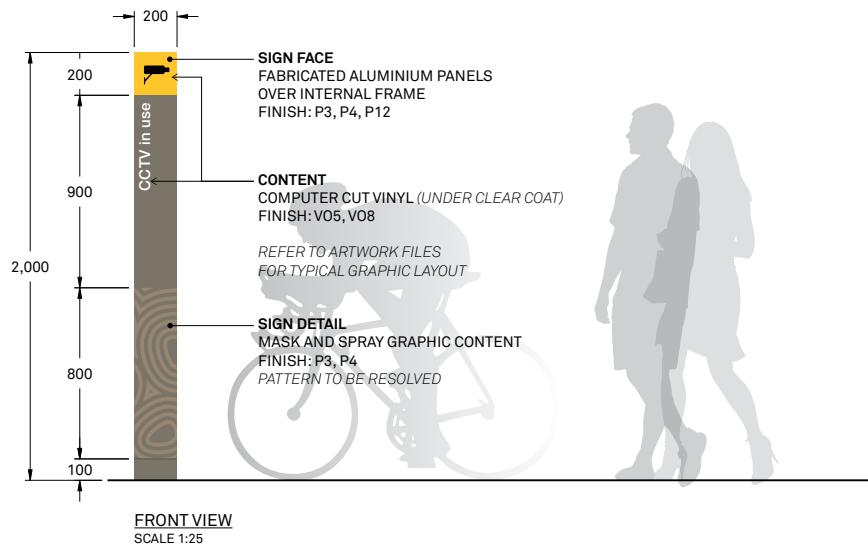
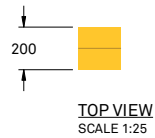


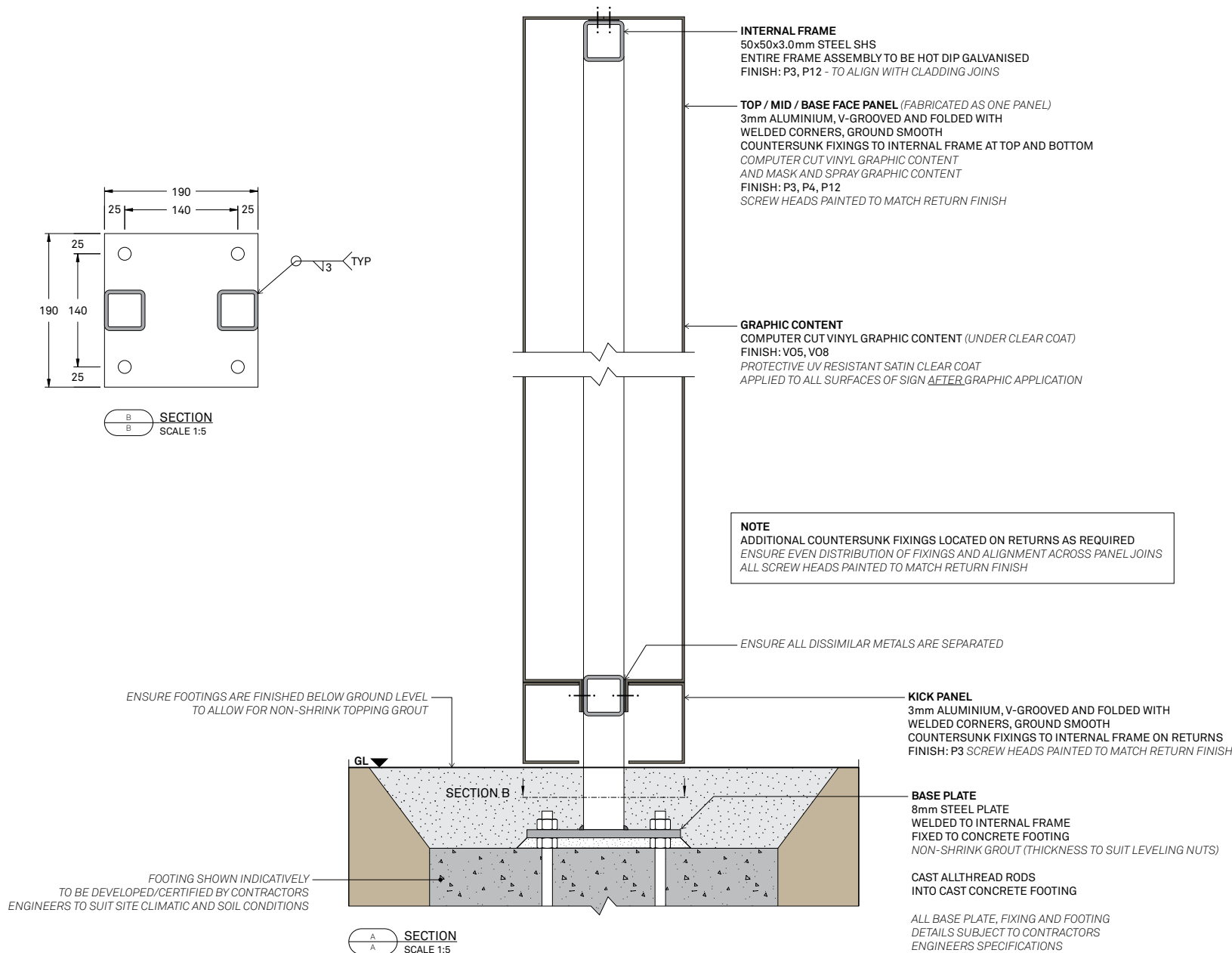
RHS VIEW  
SCALE 1:25

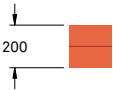
REAR VIEW  
SCALE 1:25

LHS VIEW  
SCALE 1:25

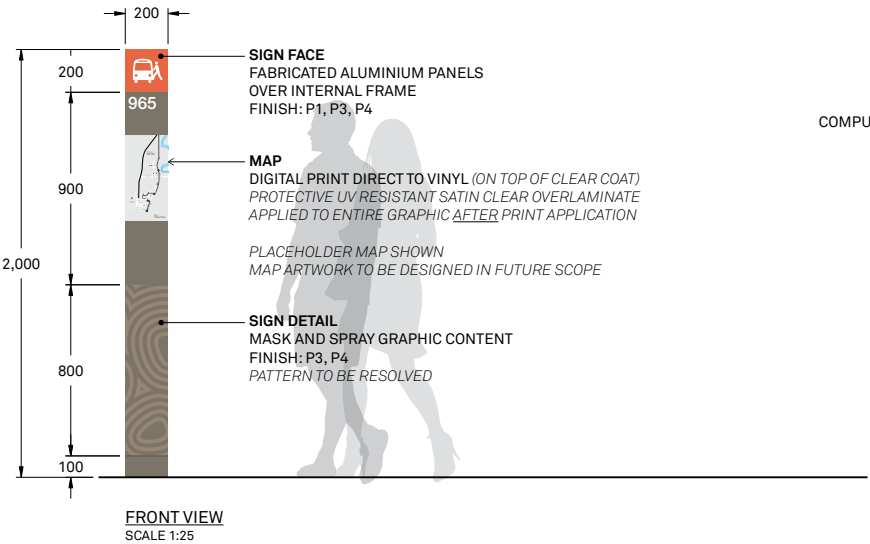






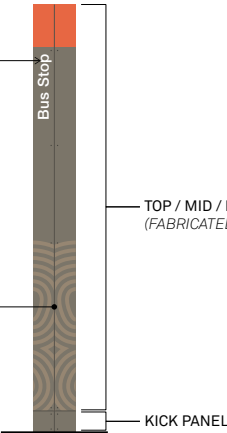


TOP VIEW  
SCALE 1:25

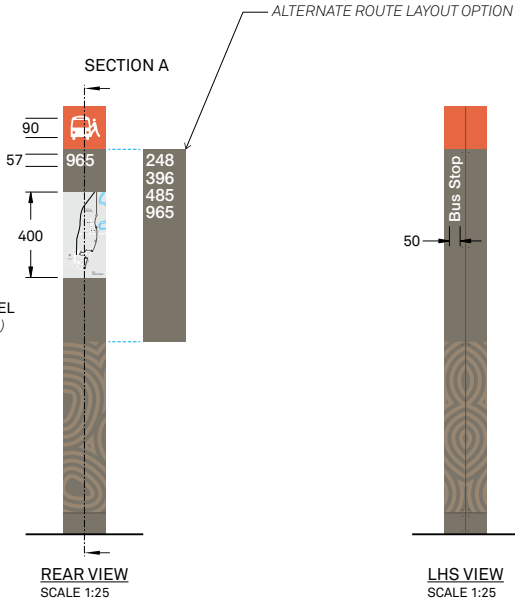


CONTENT  
COMPUTER CUT VINYL (UNDER CLEAR COAT)  
FINISH: V05  
REFER TO ARTWORK FILES  
FOR TYPICAL GRAPHIC LAYOUT

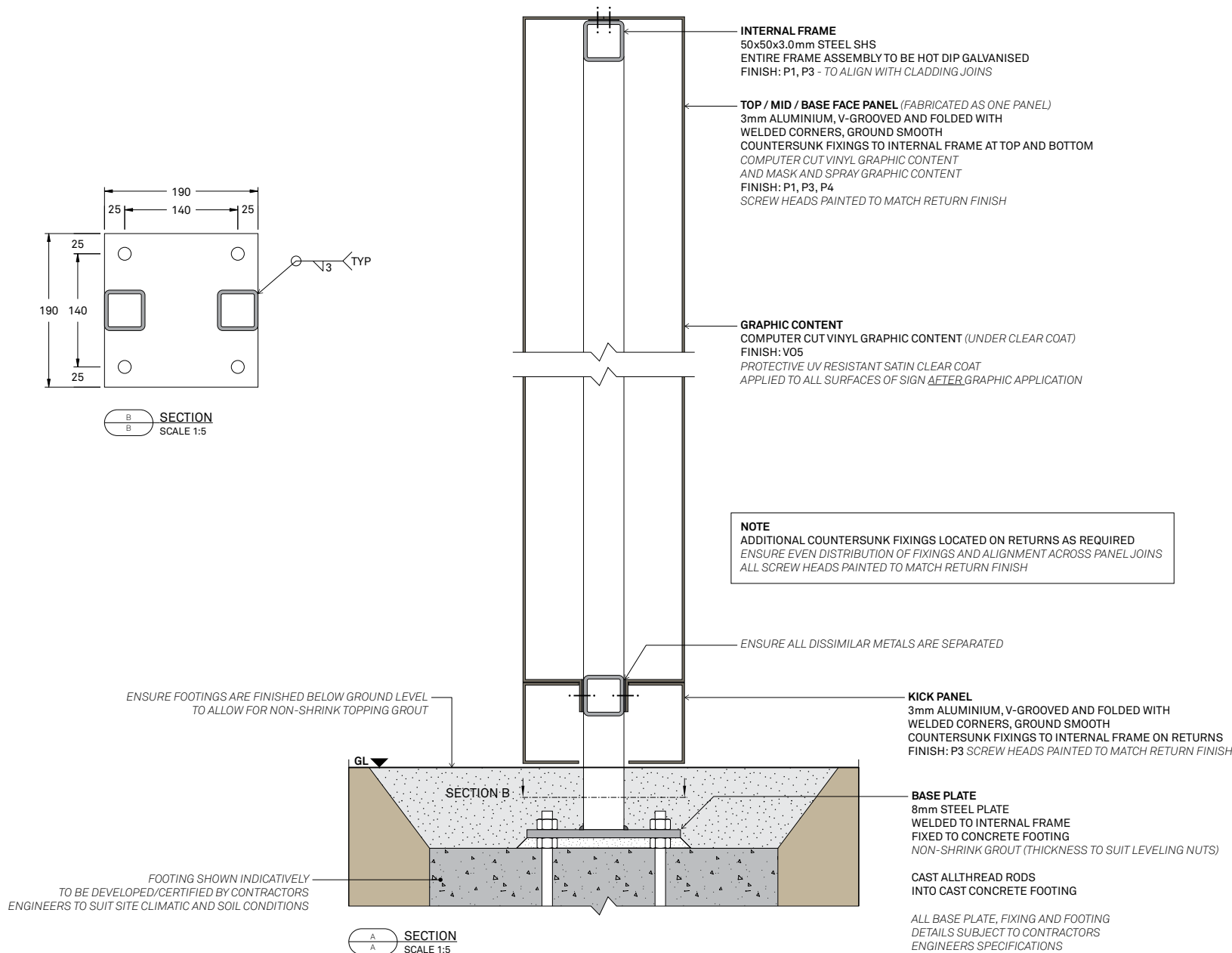
BUTTERFLY OF PATTERN  
ON PANEL RETURNS



RHS VIEW  
SCALE 1:25







**FRAMEWORK**

FABRICATED 100X50X3 ALUMINIUM  
INTERNAL FRAMEWORK  
10mm SIDE PLATE, RHS, ANGLE CONSTRUCTION.  
POSTS CAST INTO CONCRETE FOOTING  
(HIDDEN WITH LANDSCAPING)

**REMOVABLE TOP PLATE**

(TO ALLOW ACCESS TO ILLUMINATED TOP PANEL)  
FINISH: PC9

**SIGN PANELS**

INSET FROM EDGE 8mm  
4mm ACM SIGN PANELS  
FINISH: P1, P3, P4

**GRAPHICS**

COMPUTER CUT VINYL (UNDER CLEAR COAT)  
FINISH: VO5

**BASE FACE PANEL**

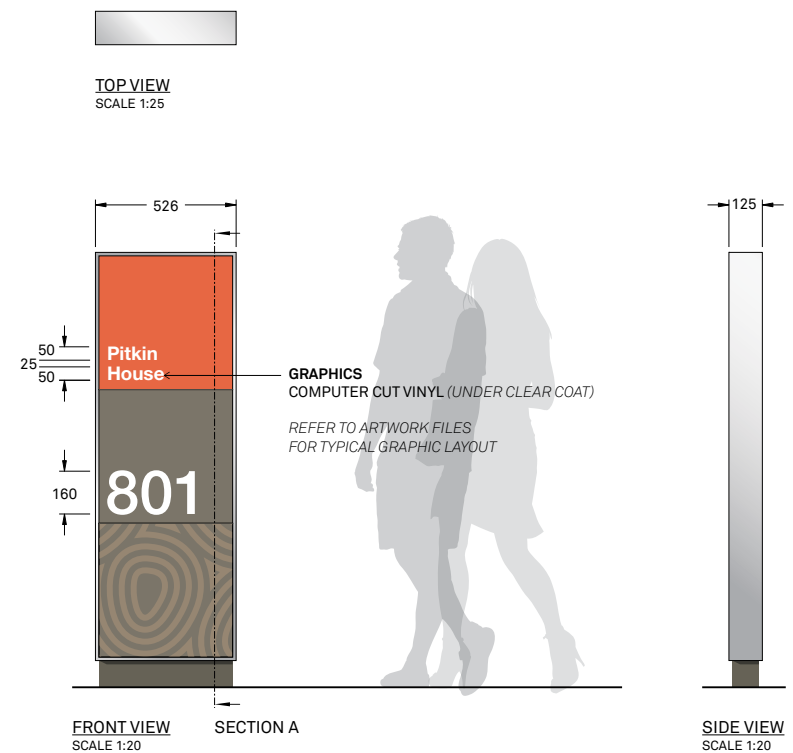
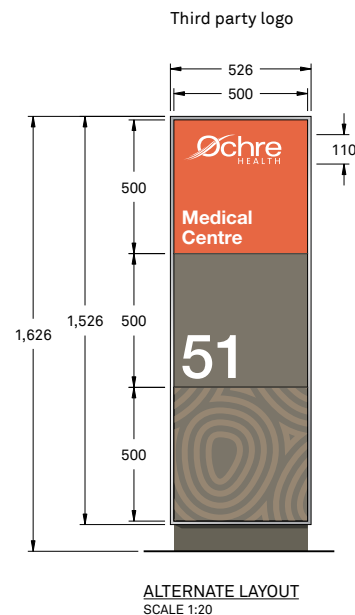
MASK AND SPRAY GRAPHIC CONTENT  
FINISH: P3, P4  
PATTERN TO BE RESOLVED

**CLEAR COAT**

ANTI GRAFFITI COATING TO ALL PANELS  
(SPEC TBC)

**100mm DEEP KICK PANEL**

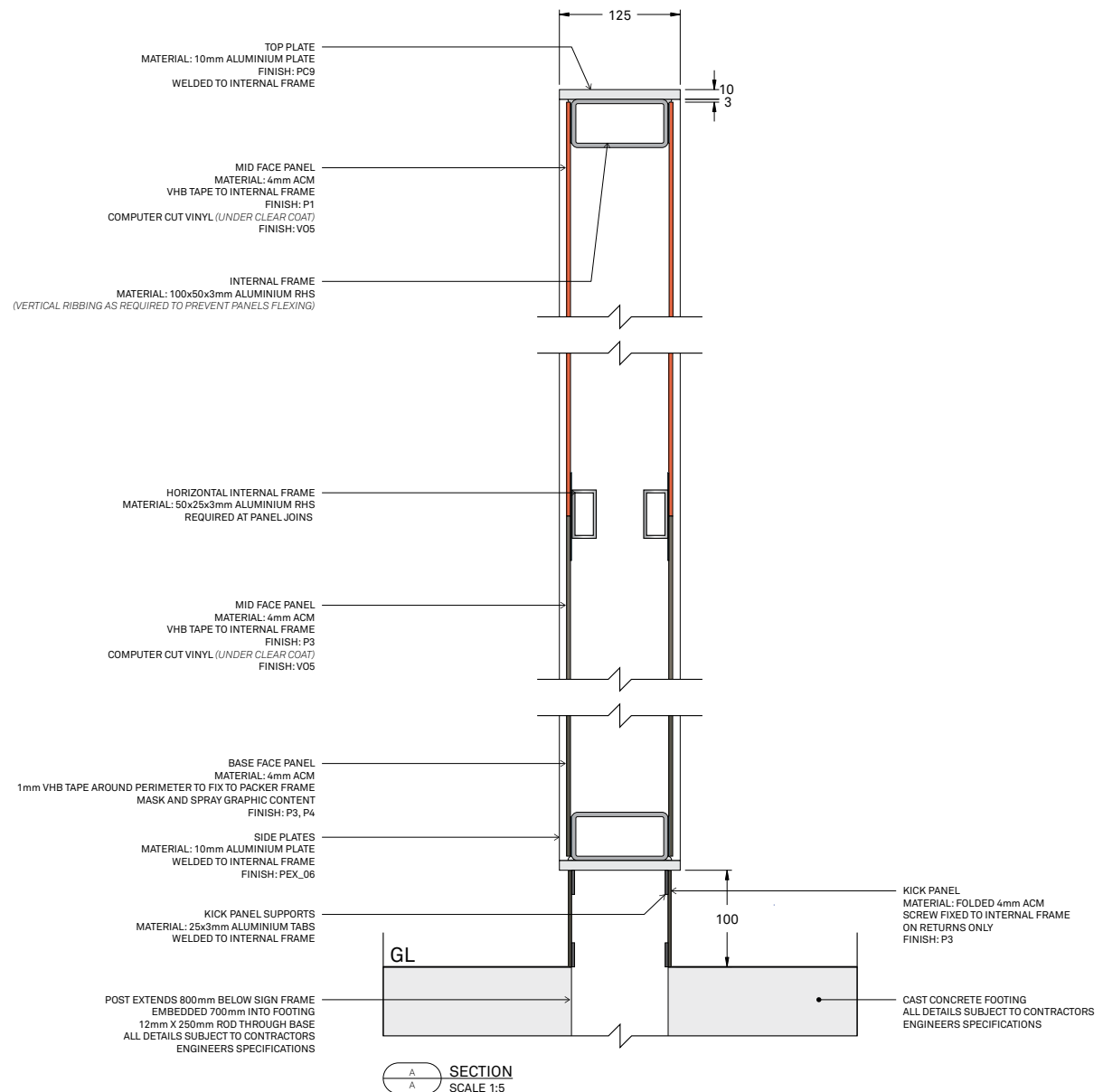
FINISH: P3



### REDESIGN OF SIGN REQUIRED PRIOR TO FUTURE IMPLEMENTATION

#### Recommendations:

- Update fabrication methods to match new signage standards with: (refer to 'PDT' for similar details)
- Simplified construction and assembly
- Remove aluminium outer trim
- Steel internal frame (currently aluminium)



### REDESIGN OF SIGN REQUIRED PRIOR TO FUTURE IMPLEMENTATION

#### Recommendations:

- Update fabrication methods to match new signage standards with: (refer to 'PDT' for similar details)

- Simplified construction and assembly
- Remove aluminium outer trim
- Steel internal frame (currently aluminium)

**FRAMEWORK**

80mm ANGLE TRIM  
 55mm SHS ANCHORED DIRECTLY TO WALL  
 FINISH: PC9

**SPACERS**

20mm SPACERS TO ALLOW WATER DRAINAGE  
 FINISH: PC9

**SIGN PANEL:**

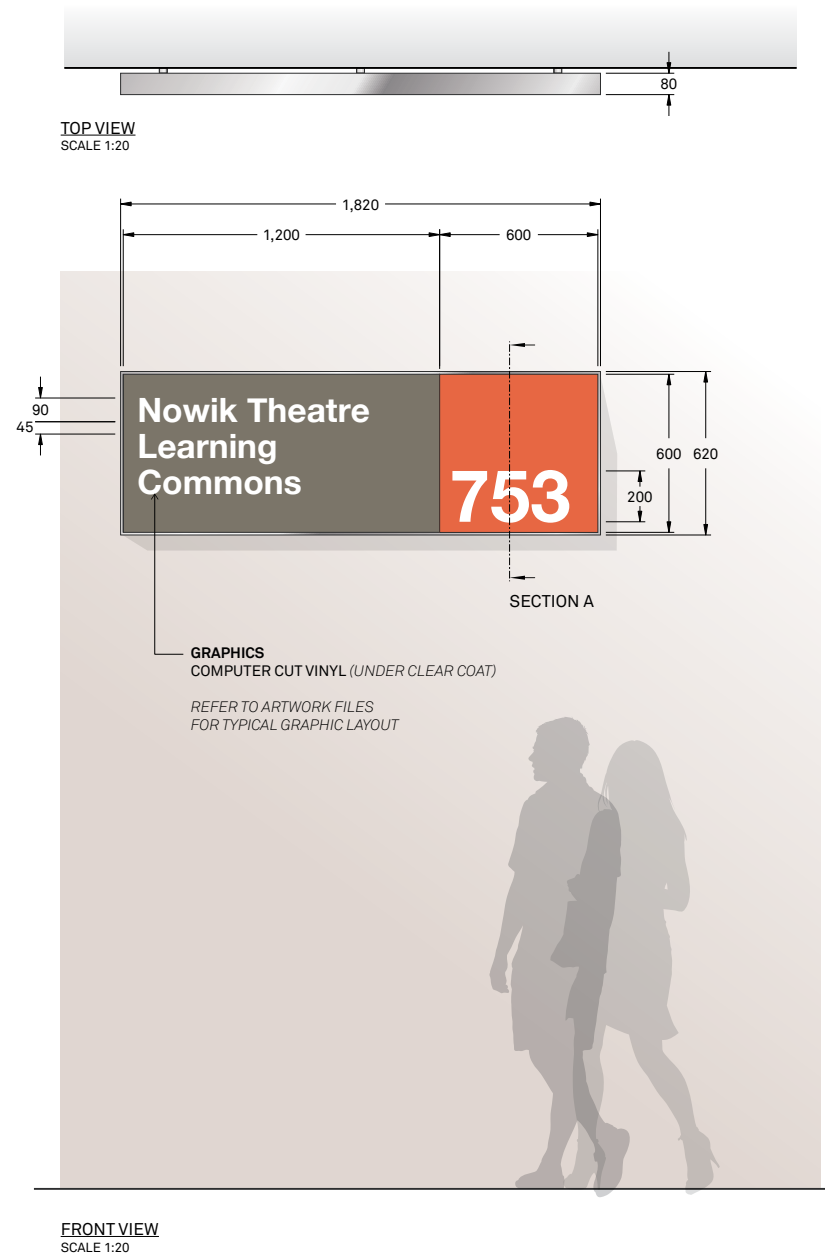
4mm ACM SIGN PANELS  
 FINISH: P1, P3

**GRAPHICS**

COMPUTER CUT VINYL (UNDER CLEAR COAT)  
 FINISH: VO5

**CLEAR COAT**

ANTI GRAFFITI COATING TO ALL PANELS  
 (SPEC TBC)


**REDESIGN OF SIGN REQUIRED PRIOR TO  
 FUTURE IMPLEMENTATION**
**Recommendations:**

- Update fabrication methods to match new signage standards with: (refer to 'BN\_M' for similar details)
  - Simplified construction and assembly
  - Remove aluminium outer trim
  - Shoe box style fabrication
  - Returns painted to match sign face

**FRAMEWORK**

80mm ANGLE TRIM  
 55mm SHS ANCHORED DIRECTLY TO WALL  
 FINISH: PC9

**SPACERS**

20mm SPACERS TO ALLOW WATER DRAINAGE  
 FINISH: PC9

**SIGN PANEL:**

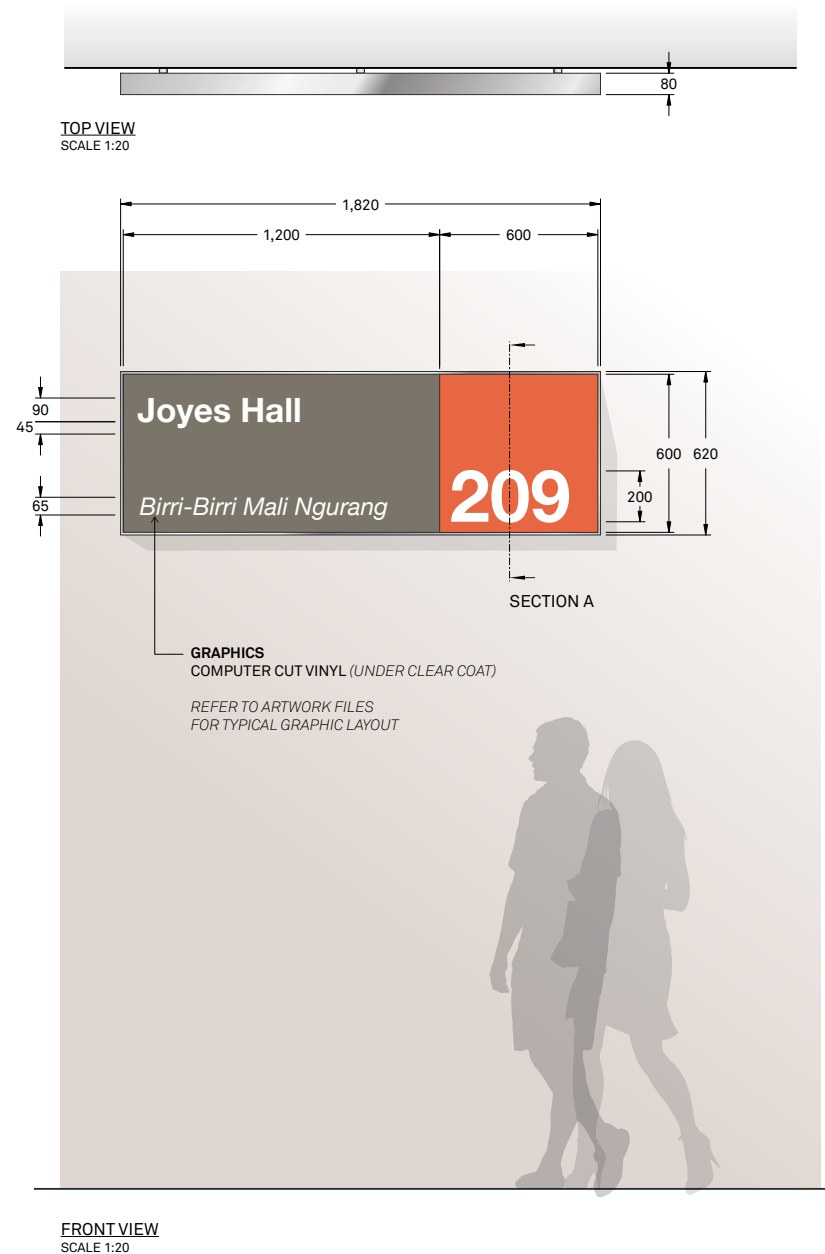
4mm ACM SIGN PANELS  
 FINISH: P1, P3

**GRAPHICS**

COMPUTER CUT VINYL (UNDER CLEAR COAT)  
 FINISH: VO5

**CLEAR COAT**

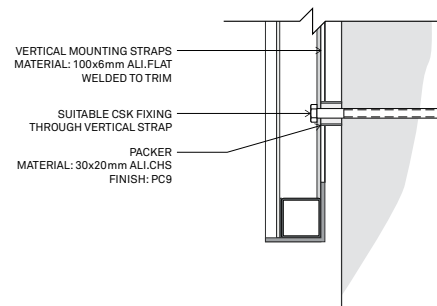
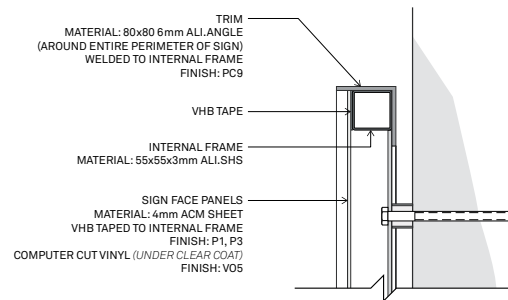
ANTI GRAFFITI COATING TO ALL PANELS  
 (SPEC TBC)



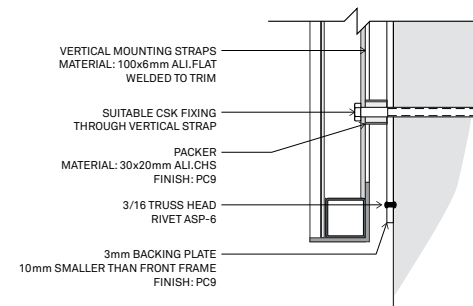
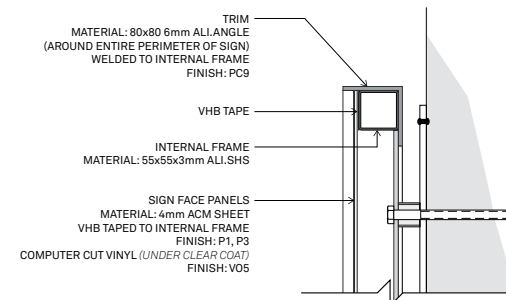
### REDESIGN OF SIGN REQUIRED PRIOR TO FUTURE IMPLEMENTATION

**Recommendations:**

- Update fabrication methods to match new signage standards with: (refer to 'BN\_M' for similar details)
  - Simplified construction and assembly
  - Remove aluminium outer trim
  - Shoe box style fabrication
  - Returns painted to match sign face



SECTION - BRICK WALL  
 SCALE 1:4



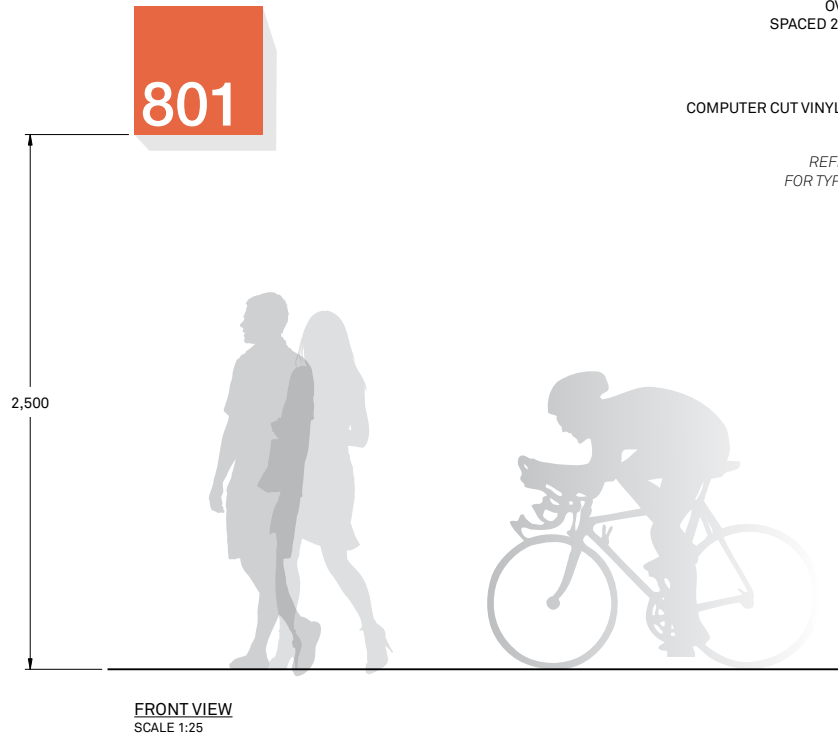
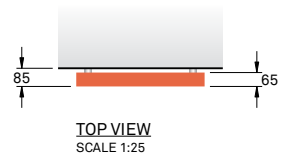
SECTION - CORRUGATED  
 SCALE 1:4

### REDESIGN OF SIGN REQUIRED PRIOR TO FUTURE IMPLEMENTATION

#### Recommendations:

- Update fabrication methods to match new signage standards with: (refer to 'BN\_M' for similar details)

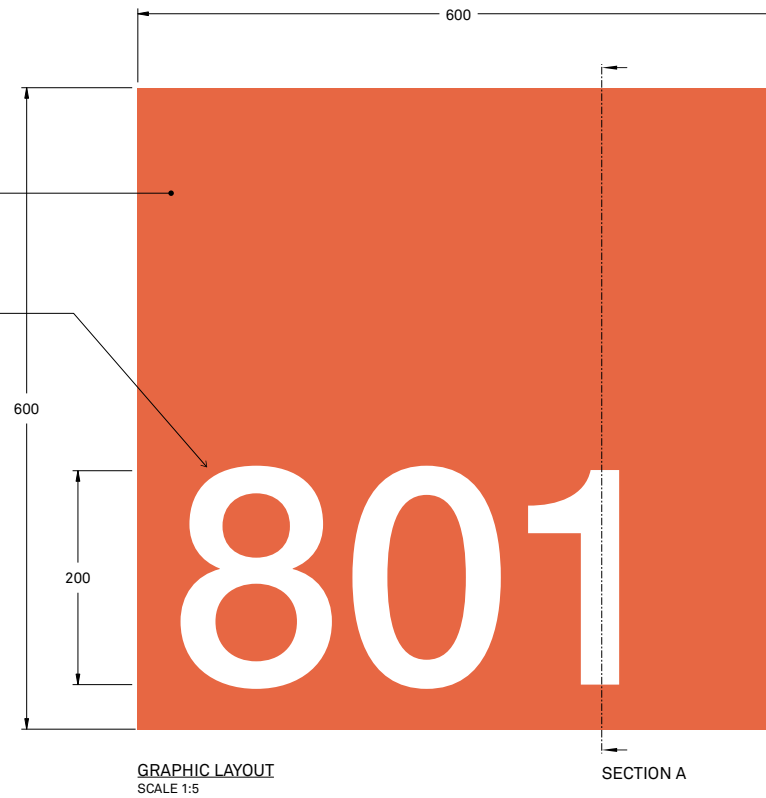
- Simplified construction and assembly
- Remove aluminium outer trim
- Shoe box style fabrication
- Returns painted to match sign face

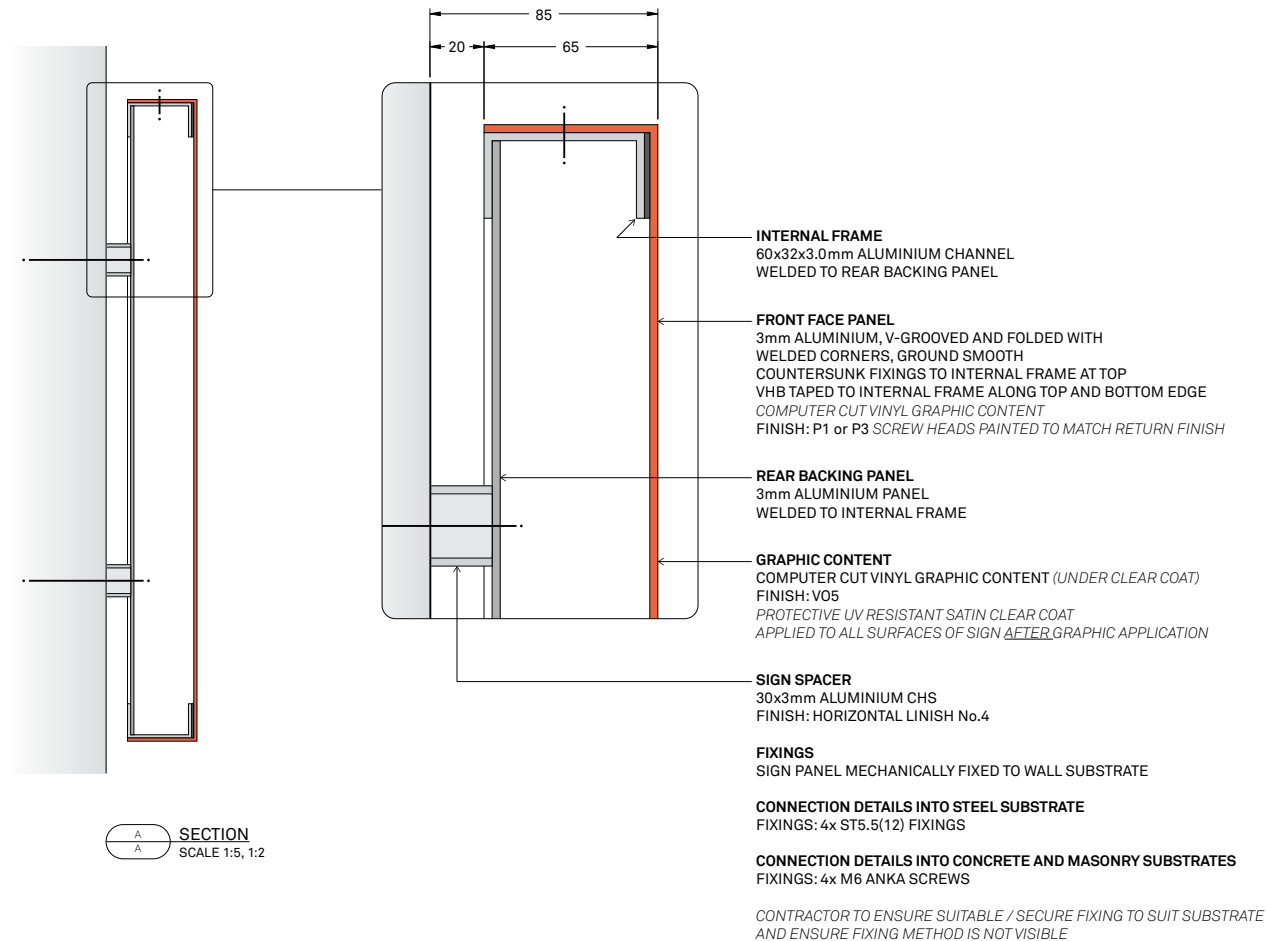


**SIGN FACE**  
FABRICATED ALUMINIUM PANEL  
OVER INTERNAL FRAME  
SPACED 20mm OFF FROM WALL  
FINISH: P1

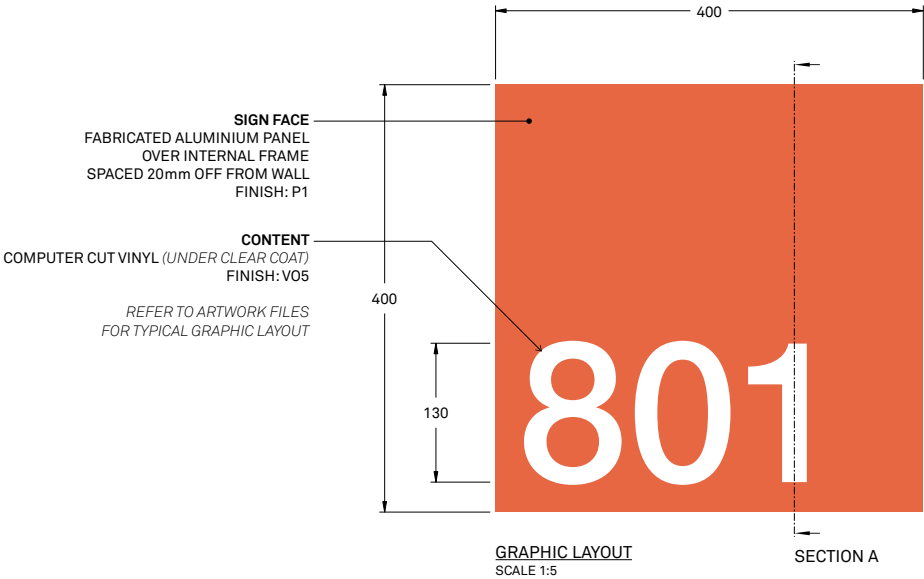
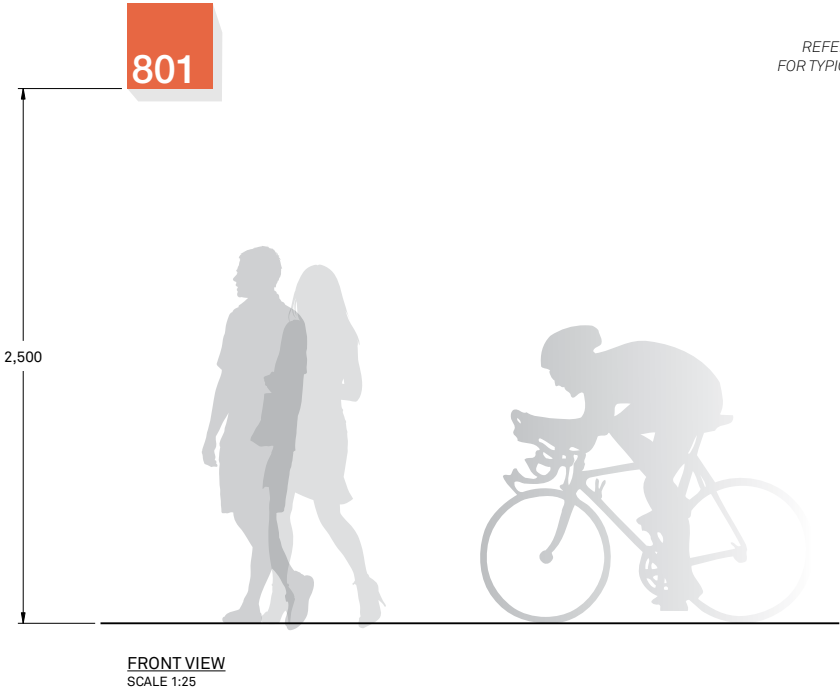
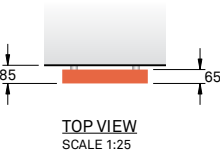
**CONTENT**  
COMPUTER CUT VINYL (*UNDER CLEAR COAT*)  
FINISH: V05

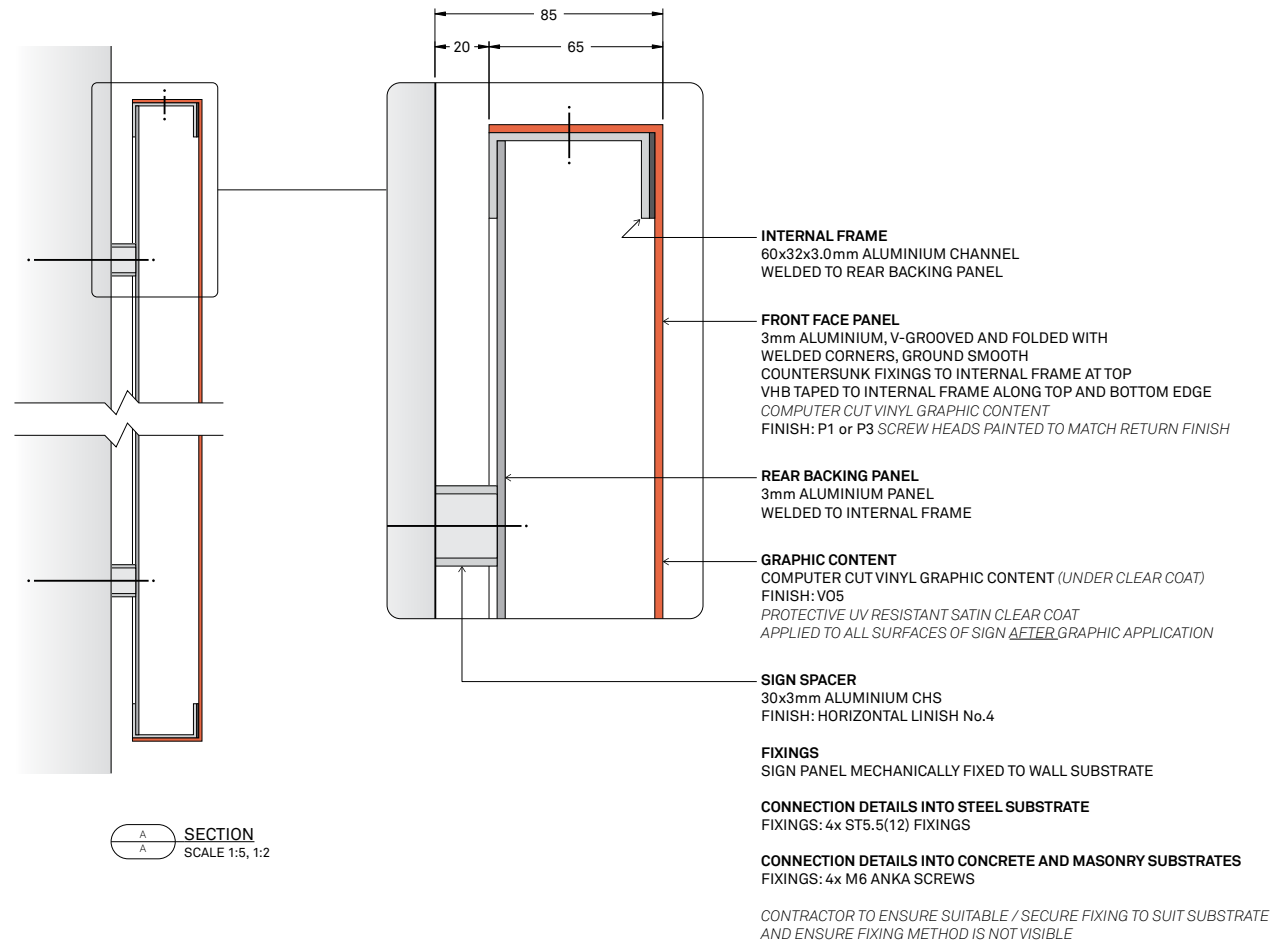
*REFER TO ARTWORK FILES  
FOR TYPICAL GRAPHIC LAYOUT*











**POST**

114x4.5mm CHS POLE

6m LONG WITH TOP CAP TO SUIT

**ARMS**

60x3.6mm CHS

900mm LONG

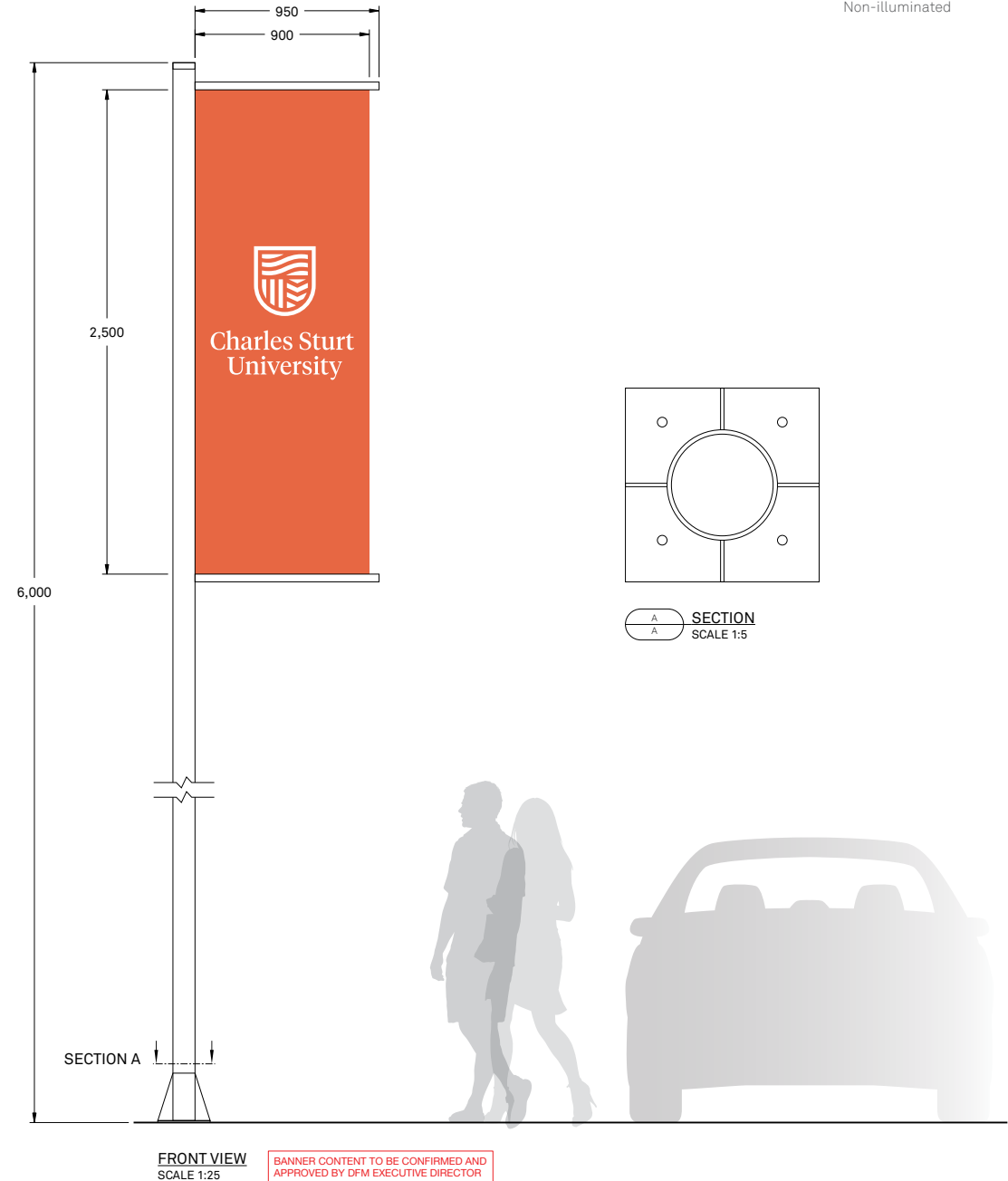
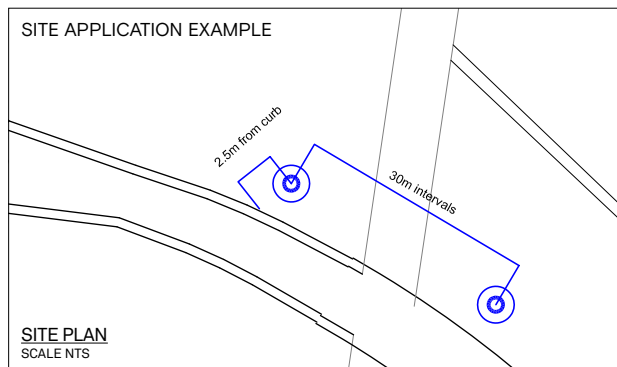
**BASE PLATE**

270x270x16mm BASE PLATE

WITH 245mm HIGH GUSSETS

POST ASSEMBLY TO BE HOT DIP GALVANISED  
 WITH WHITE POWDER COATING

ALL BASE PLATE, FIXING AND FOOTING DETAILS  
 SUBJECT TO CONTRACTORS ENGINEERS  
 SPECIFICATIONS

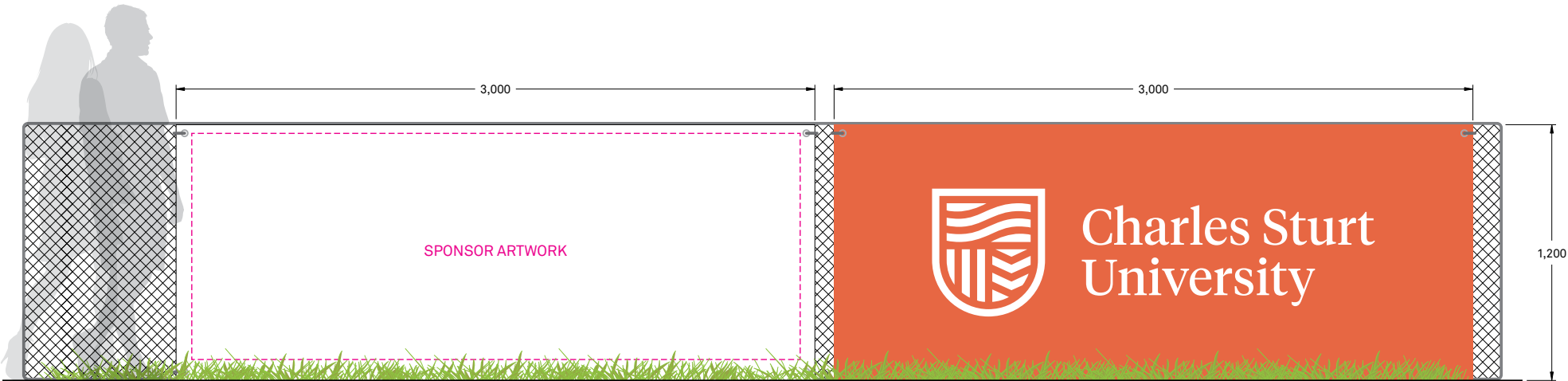




Standard Charles Sturt banners artwork

**FENCE MOUNTED BANNER**  
DIGITAL PRINTED BANNER FIXED TO PERIMETER  
FENCE OF OVAL OR SIMILAR

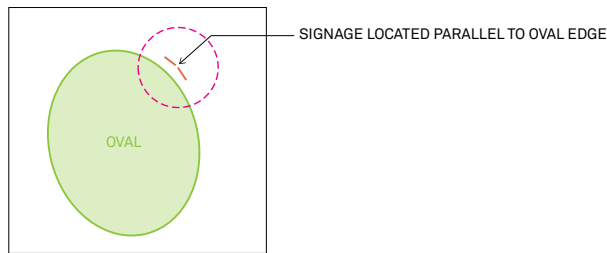
**WALL MOUNTED PANEL**  
3MM ACM PANEL WITH DIGITAL PRINTED GRAPHICS  
MOUNTED TO BUILDING FACE



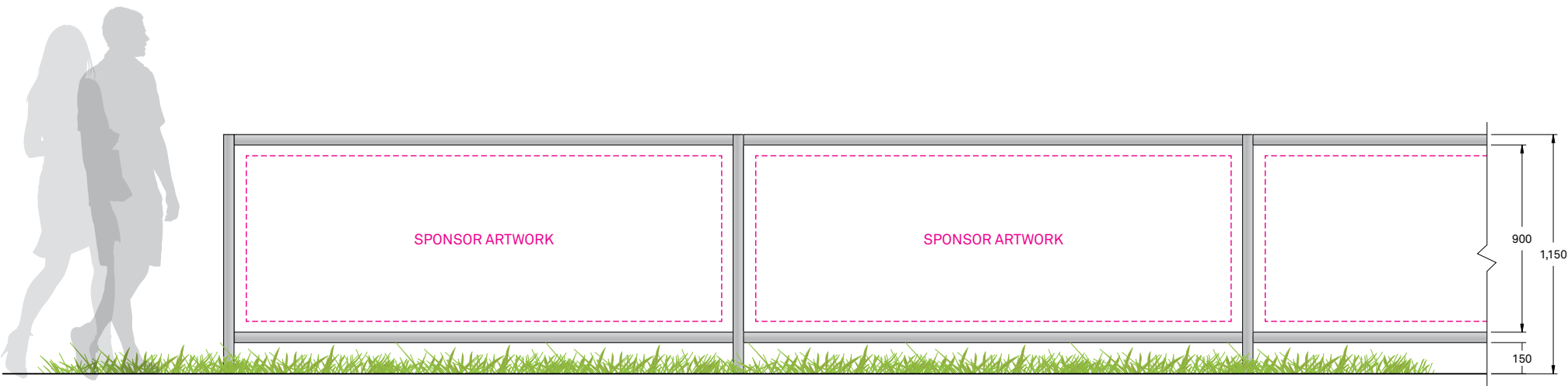
**TYPICAL SIGN IN SITU**  
SCALE 1:20

BANNER CONTENT TO BE CONFIRMED AND  
APPROVED BY DFM EXECUTIVE DIRECTOR

**FRAME MOUNTED PANEL**  
3MM ACM PANEL WITH DIGITAL PRINTED GRAPHICS  
MOUNTED TO FREESTANDING FRAME PARALLEL TO  
SPORTS OVAL EDGE



TYPICAL SIGN LOCATIONS  
NOT TO SCALE



TYPICAL SIGN IN SITU  
SCALE 1:20

PANEL CONTENT TO BE CONFIRMED AND  
APPROVED BY DFM EXECUTIVE DIRECTOR



**TYPICAL FRONT VIEW**  
 SCALE 1:25



**Welcome signage**  
Freestanding  
Single sided  
Non-illuminated



**TYPICAL REAR VIEW**  
SCALE 1:25



Open Day – 2 August 2020

Explore Day – 10 March 2020

Open Day – 9 August 2020

Explore Day – 17 March 2020

Open Day – 16 August 2020

Explore Day – 24 March 2020

Open Day – 23 August 2020

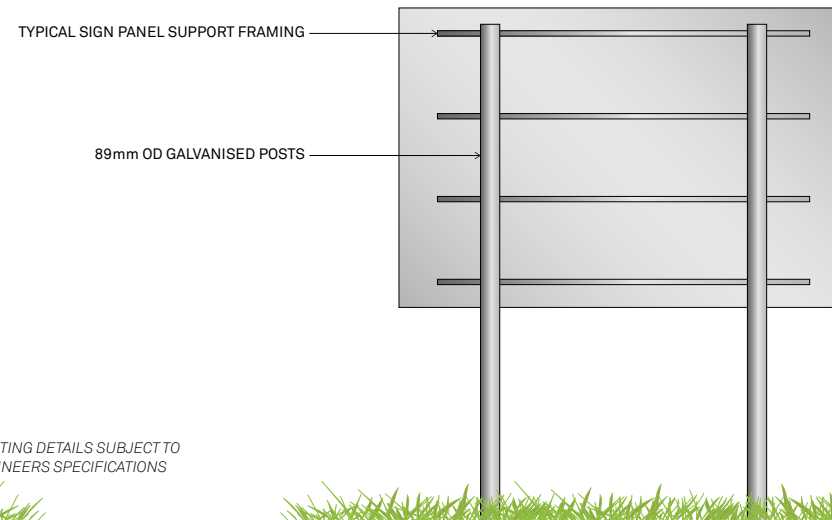
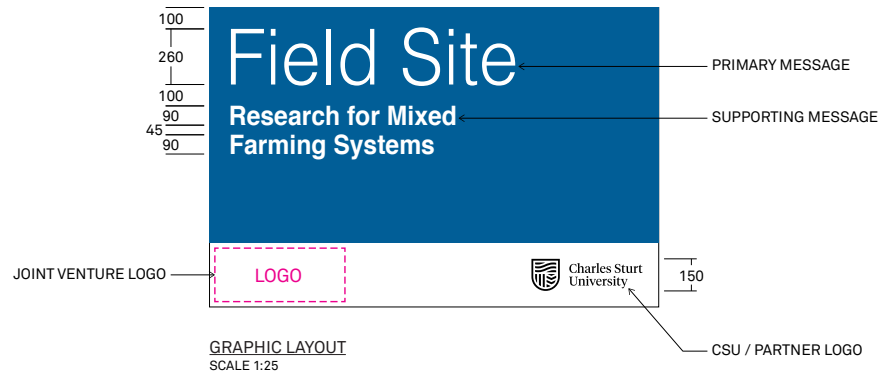
Explore Day – 31 March 2020

Open Day – 30 August 2020

Explore Day – 28 April 2020

Open Day – 5 September 2020

Standard Charles Sturt artwork



SIGN SIZES

LARGE: 3000mm x 2200mm  
MEDIUM: 2400mm x 1760  
SMALL: 1800 x 1250

ALL CONTENT TO BE SUPPLIED IN THESE SIZES

Construction signage shall be installed on all projects. The extent of the signage shall be determined by the construction value and funding source.

All construction signage shall be approved by the Executive Director, Facilities Management. As a guide, the following shall occur:

**Projects up to \$250,000 in value:**  
Temporary signage in accordance with the relevant sign detailed in this section.

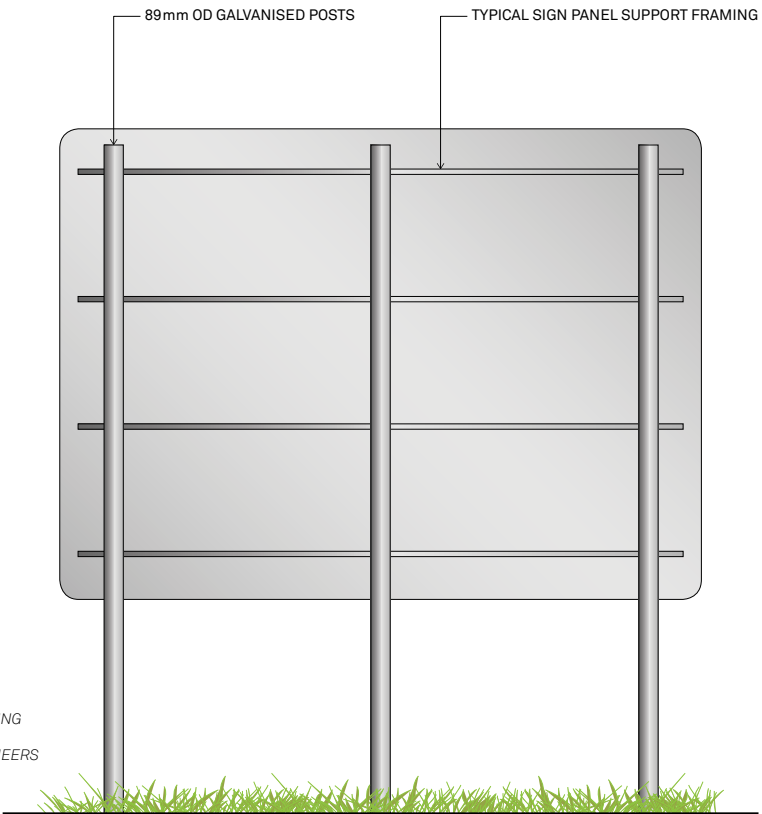
**Projects up to \$1,000,000 in value:**  
Temporary signage in accordance with the relevant sign detailed in this section..

**Projects with a value greater than \$1,000,000 with no Government or third party funding:**  
Semi-permanent signage in accordance with the relevant sign detailed in the Miscellaneous Signs Section. Typically the signs shall be mounted on the construction site perimeter fence.

**Projects with a value of greater than \$1,000,000 and with Government and third party funding components:**  
Permanent signage for the duration of the project in accordance with the relevant sign detailed in this section. The signs shall be free standing and the sign shall remain for a period of six months after reaching practical completion.



TYPICAL FRONT VIEW - LARGE  
SCALE 1:25



TYPICAL REAR VIEW  
SCALE 1:25

**SIGN SIZES**  
LARGE: 3000mm x 2200mm  
MEDIUM: 2400mm x 1760  
SMALL: 1800 x 1250  
ALL CONTENT TO BE SUPPLIED IN THESE SIZES



TYPICAL FRONT VIEW - MEDIUM  
SCALE 1:25



TYPICAL FRONT VIEW - SMALL  
SCALE 1:25

**Material**

2 types of banner material for use, determined by site conditions and requirements;

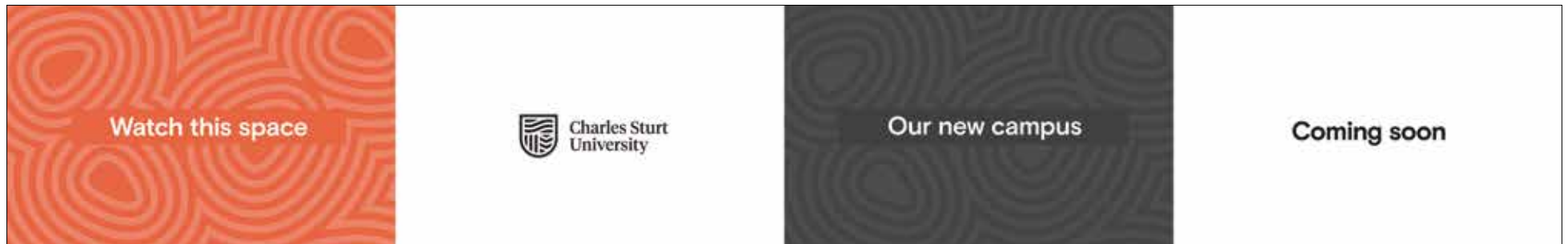
- Standard Banner Mesh (80% fabric) for privacy, low wind exposure, very high print quality and durability
- Open Weave Banner Mesh (50% fabric) for low privacy, moderate to high wind exposure, high print quality

**Size & Finish**

Finish size approx. 1,800mm high  
(confirm hoarding / fence size) x required length  
(3,500mm for individual fence panels or 'x' amount of meters for larger sites)

Hemmed (50mm to all edges) and eyeleted (approx. every 600mm) to allow fixings

DFM Executive to approve all final artwork, and any designs outside of the above procedures  
(prior to printing)

**Standard Charles Sturt Hoarding Example**

## External signage

### Material

2 types of banner material for use, determined by site conditions and requirements;

- Standard Banner Mesh (80% fabric) for privacy, low wind exposure, very high print quality and durability
- Open Weave Banner Mesh (50% fabric) for low privacy, moderate to high wind exposure, high print quality

### Size & Finish

Finish size approx. 1,800mm high  
(confirm hoarding / fence size) x required length  
(3,500mm for individual fence panels or 'x' amount of meters for larger sites)

Hemmed (50mm to all edges) and eyeleted (approx. every 600mm) to allow fixings

### Charles Sturt University Word Mark

Charles Sturt word mark and appropriate web address will appear on hoarding with Charles Sturt primary and secondary colours with the positioning to be at;

- Top left of hoarding or bottom right of hoarding
- Other secondary word marks (building company, developers, partnership or sponsorship) at bottom of Site Hoarding

Size of word mark; Minimum of 900mm wide

### Graphic / Artwork

Digital illustration or professional photograph for advertising purposes can appear on the hoarding either as;

- Any high resolution professional photographic image accompanied with text (full colour or black and white),
- Vector illustration as a digital design accompanied with text (full colour or black and white)
- Darker colours to be considered (at the bottom 1/3 as a minimum)
- Charles Sturt Primary and Secondary colours to be considered throughout design

DFM Executive to approve all final artwork, and any designs outside of the above procedures  
(prior to printing)

## 4.63 Site hoarding

**SHF**

**Site hoarding**  
Freestanding  
Single sided  
Non-illuminated

Solar



1 fence panel wide



2 fence panels wide

Example of CSU Wordmark, contractors company and supporting logos

SSAF Funding



Example of professional photography

Example of vector illustration

New Development



Example of vector illustration

Example of additional text



**A-FRAME**  
POWDER COATED STEEL FRAME,  
ENSURE WEATHERPROOF CONSTRUCTION TO SUIT  
EXTERNAL ENVIRONMENT

**INSERTS**  
GRAPHICS PRINTED TO CORFLUTE OR METAL  
PANEL INSERTS

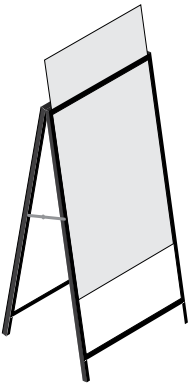
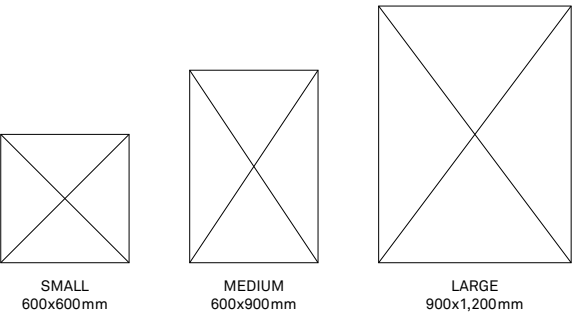
2x SLIDE IN PANELS PER A-FRAME, EACH PANEL  
PRINTED ON ONE SIDE ONLY

*GRAPHIC NOTES*  
SIGNS FOR VEHICULAR ROUTES TO BE  
RETRO-REFLECTIVE TO ENSURE HIGH VISIBILITY FOR  
EVENING AND NIGHT EVENTS.

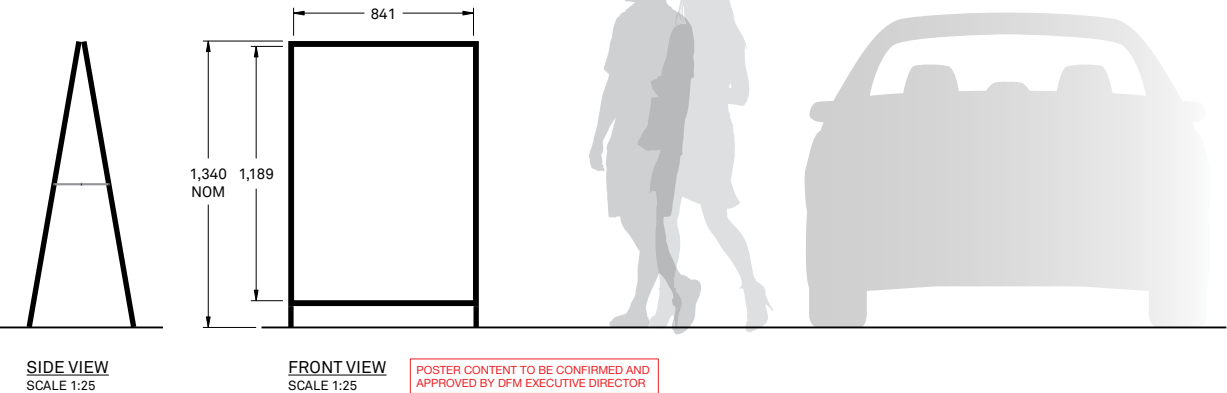
ALL DIRECTIONAL ARROWS TO BE SEPARATE  
ELEMENTS TO THE POSTER INSERT AND BACKED WITH  
MAGNETIC TAPE TO BE POSITIONED IN APPROPRIATE  
STREET DIRECTION.

5mm BLEED AROUND ALL ARTWORK

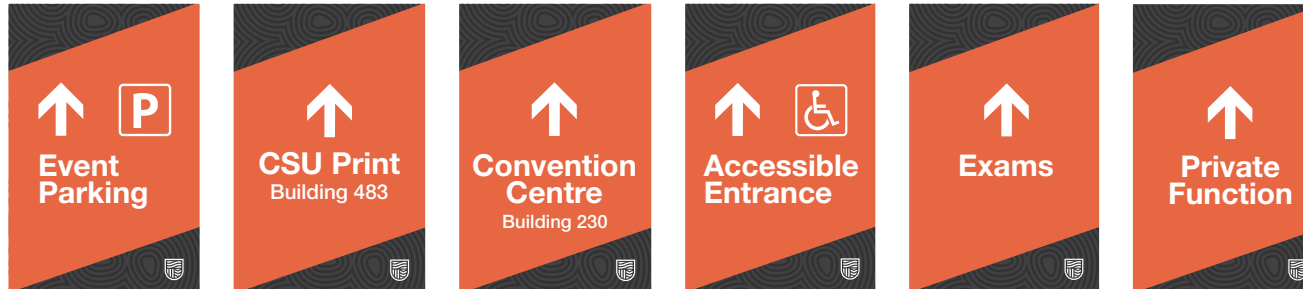
Insert Panel Size (WxH)		Typical Usage
Small	600x600mm	Within buildings to direct to a room, facilities or similar.
Medium	600x900mm	Beside paths or building entrances to direct visitors to a building entrance for conferences, meetings etc.
Large	900x1,200mm	Beside roads and paths to direct vehicles to car parks for events such as graduation etc.



3D VIEW  
NOT TO SCALE



## Directional signage



## Division / Faculty / Third party signage



Inclusion of relevant brand colour of company logo

## Awareness signage



## Project specific signage



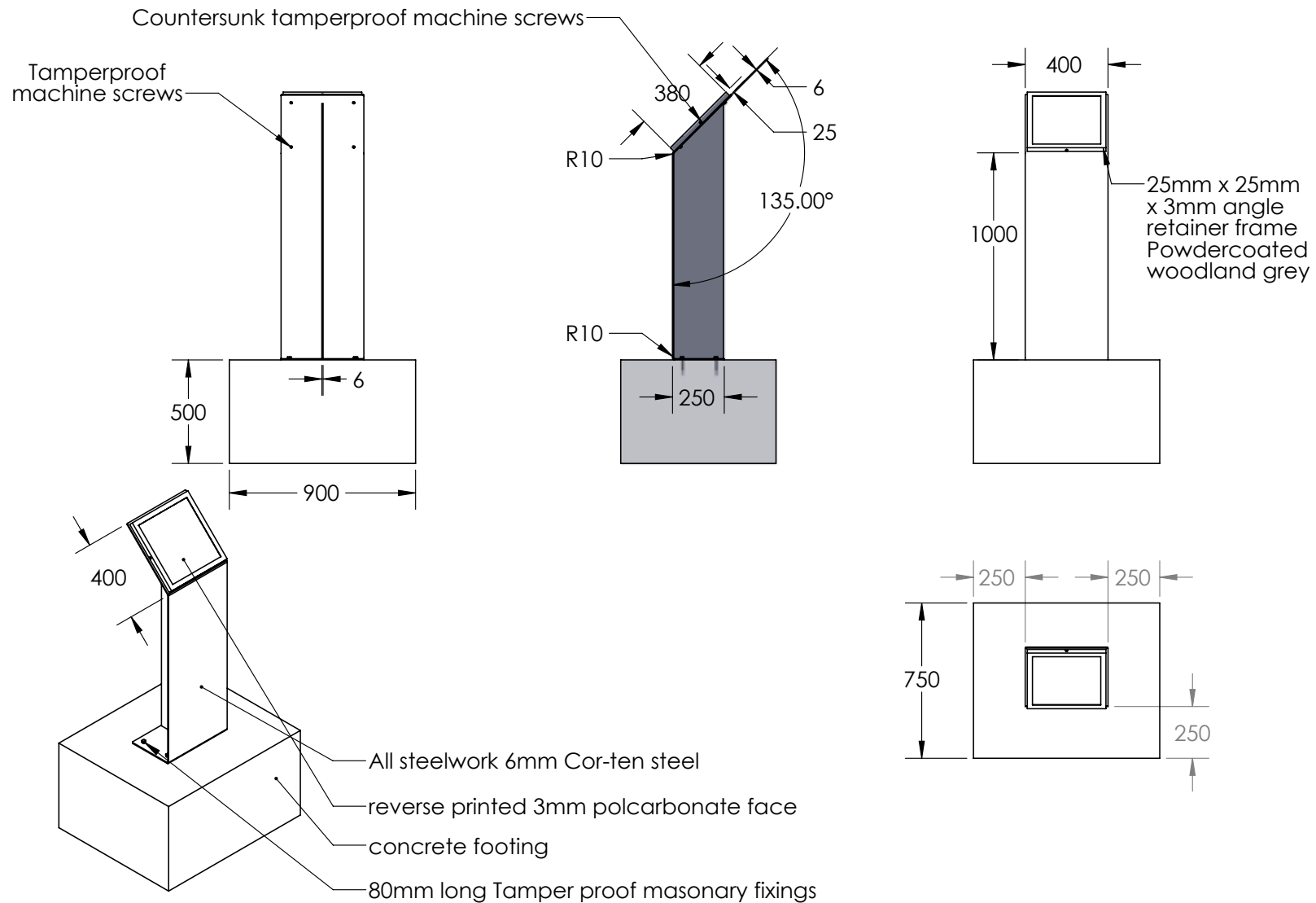
## GRAPHIC NOTES

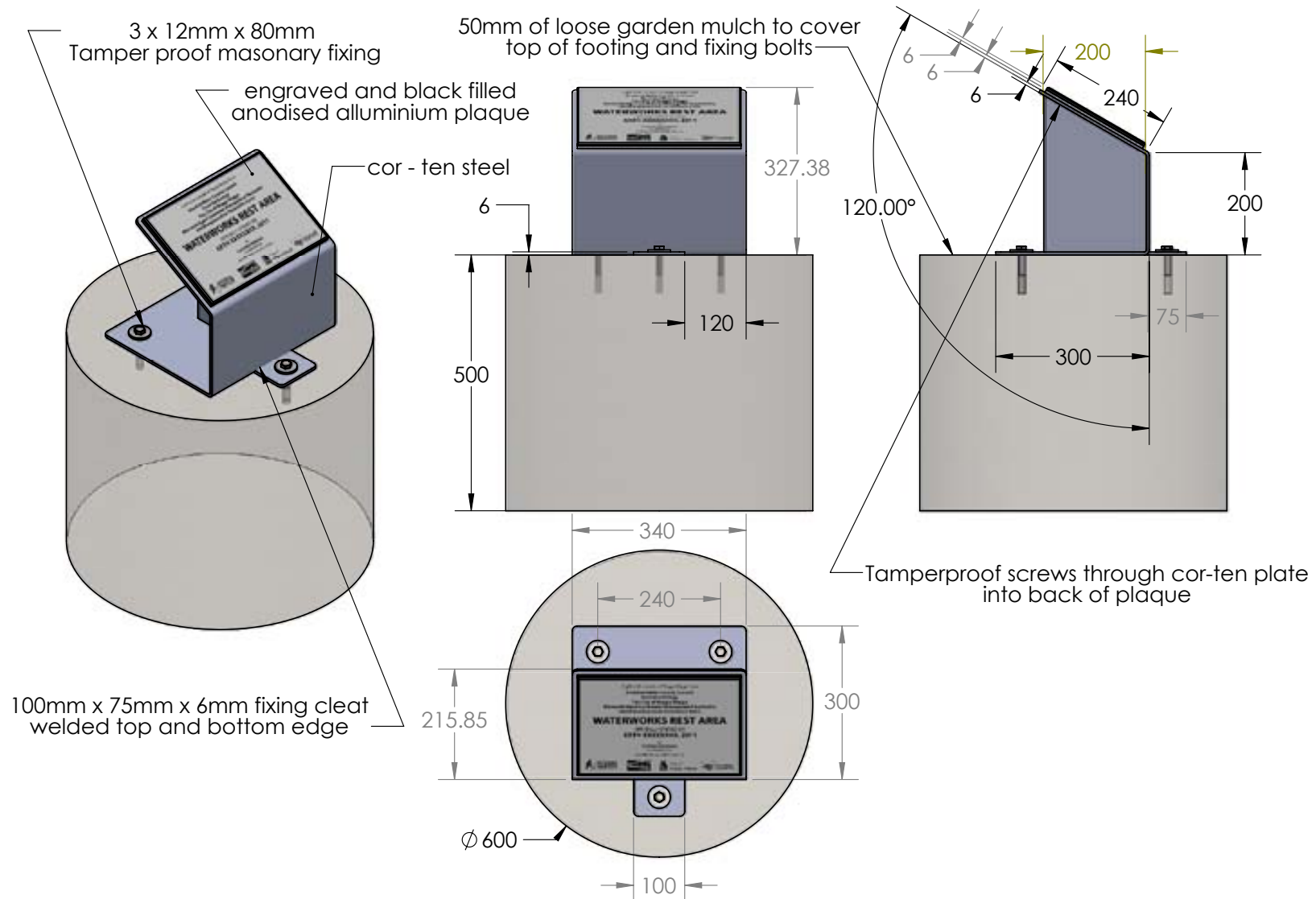
SIGNS FOR VEHICULAR ROUTES TO BE RETRO-REFLECTIVE TO ENSURE HIGH VISIBILITY FOR EVENING AND NIGHT EVENTS.

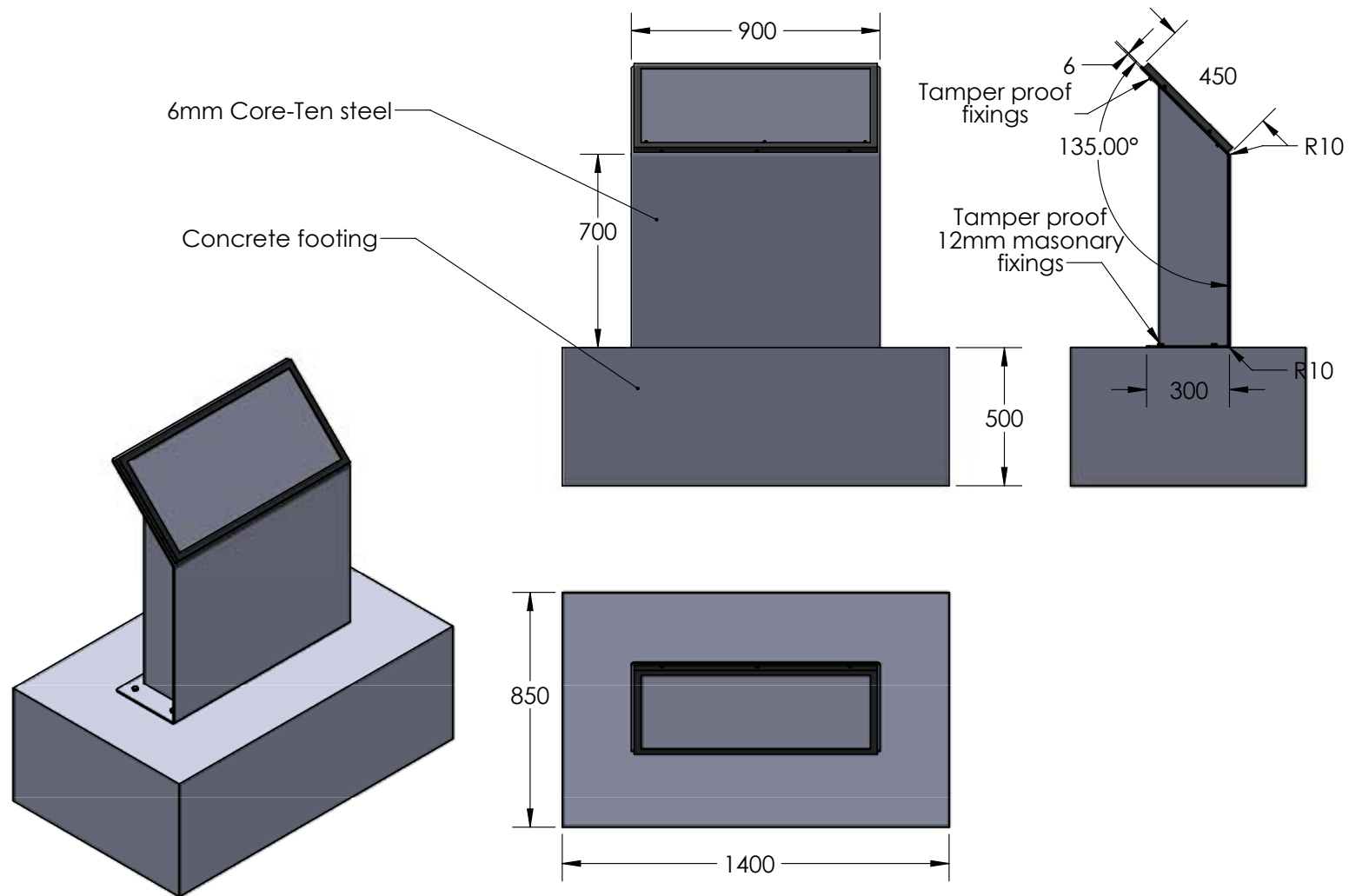
ALL DIRECTIONAL ARROWS TO BE SEPARATE ELEMENTS TO THE POSTER INSERT AND BACKED WITH MAGNETIC TAPE TO BE POSITIONED IN APPROPRIATE STREET DIRECTION.

5mm BLEED AROUND ALL ARTWORK

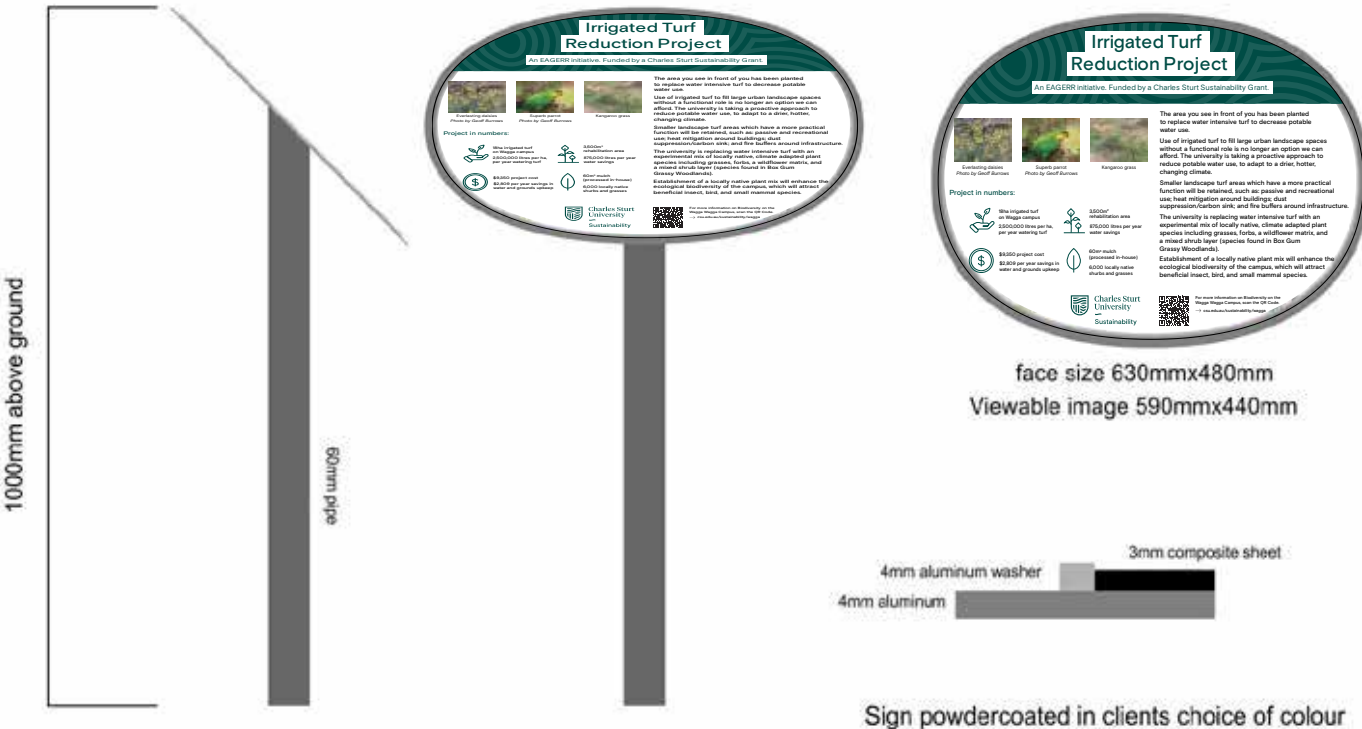






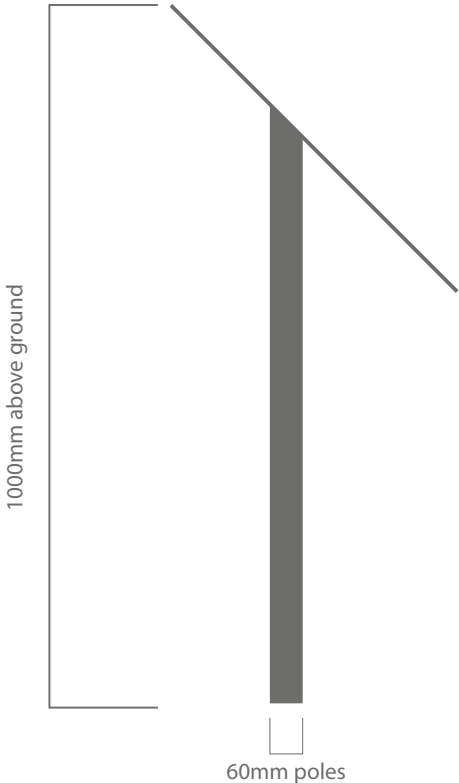


**REDESIGN OF SIGN REQUIRED PRIOR TO FUTURE IMPLEMENTATION**  
Recommendations:  
- Standardise sign size to align with new sizes  
- Update graphic layout to align with recommended viewing zones for pedestrians (reference Australian Standards AS 1428.2) and to increase legibility  
- Incorporate Charles Sturt brand colours and patterns





Sign powdercoated in clients choice of colour



Face size: 1000 x 740  
Viewable image 980 x 700

**REDESIGN OF SIGN REQUIRED PRIOR TO FUTURE IMPLEMENTATION**

**Recommendations:**

- Standardise sign size to align with new sizes
- Update graphic layout to align with recommended viewing zones for pedestrians (reference Australian Standards AS 1428.2) and to increase legibility
- Incorporate Charles Sturt brand colours and patterns

# Irrigated Turf Reduction Project

An EAGERR initiative. Funded by a Charles Sturt Sustainability Grant.



Everlasting daisies  
Photo by Geoff Burrows



Superb parrot  
Photo by Geoff Burrows



Kangaroo grass

## Project in numbers:



18ha irrigated turf  
on Wagga campus  
2,500,000 litres per ha,  
per year watering turf



3,500m<sup>2</sup>  
rehabilitation area  
875,000 litres per year  
water savings



\$9,350 project cost  
\$2,809 per year savings in  
water and grounds upkeep



60m<sup>3</sup> mulch  
(processed in-house)  
6,000 locally native  
shrubs and grasses

The area you see in front of you has been planted to replace water intensive turf to decrease potable water use.

Use of irrigated turf to fill large urban landscape spaces without a functional role is no longer an option we can afford. The university is taking a proactive approach to reduce potable water use, to adapt to a drier, hotter, changing climate.

Smaller landscape turf areas which have a more practical function will be retained, such as: passive and recreational use; heat mitigation around buildings; dust suppression/carbon sink; and fire buffers around infrastructure.

The university is replacing water intensive turf with an experimental mix of locally native, climate adapted plant species including grasses, forbs, a wildflower matrix, and a mixed shrub layer (species found in Box Gum Grassy Woodlands).

Establishment of a locally native plant mix will enhance the ecological biodiversity of the campus, which will attract beneficial insect, bird, and small mammal species.



Charles Sturt  
University  
Sustainability



For more information on Biodiversity on the  
Wagga Wagga Campus, scan the QR Code.  
→ [csu.edu.au/sustainability/wagga](https://csu.edu.au/sustainability/wagga)

## REDESIGN OF SIGN REQUIRED PRIOR TO FUTURE IMPLEMENTATION

### Recommendations:

- Standardise sign size to align with new sizes
- Update graphic layout to align with recommended viewing zones for pedestrians (reference Australian Standards AS 1428.2) and to increase legibility
- Incorporate Charles Sturt brand colours and patterns



# 05 Internal signage

# Internal signage suite



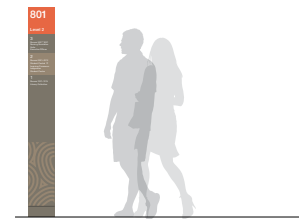
**BDT** **Building directory totem**  
Freestanding  
Double sided  
Non-illuminated

Identifies building number and name (where applicable), levels and key destinations. Located at key building entries.



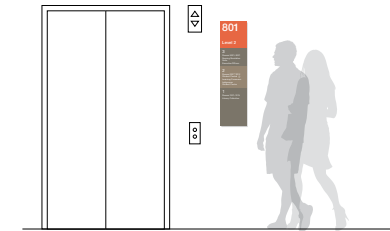
**BDW** **Building directory**  
Wall mounted  
Single sided  
Non-illuminated

Identifies building number and name (where applicable), levels and key destinations. Located at key building entries.



**LDT** **Level directory totem**  
Freestanding  
Double sided  
Non-illuminated

Identifies building number, current floor, levels and key destinations. Located at stairways and vertical transition points.

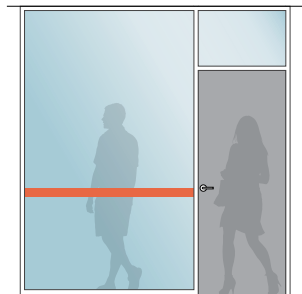


**LDW** **Lift directory**  
Wall mounted  
Single sided  
Non-illuminated

Identifies building number, current floor, levels and key destinations. Located adjacent to lifts and stairs.

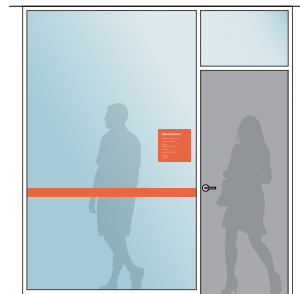


# Internal signage suite



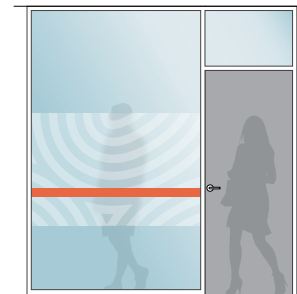
**SS** **Safety strip**  
Glazing mounted  
Single sided  
Non-illuminated

Regulatory signage for the visibility of glazing in accordance with Australian Standards.



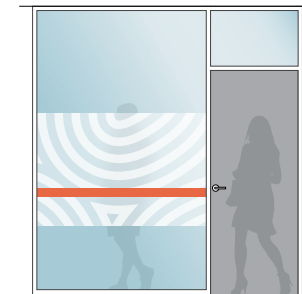
**EI** **Entry information**  
Glazing mounted  
Single sided  
Non-illuminated

Provides information and opening hours for key destinations. Located adjacent to entries.



**GS-L** **Glazing screen (low privacy)**  
Glazing mounted  
Single sided  
Non-illuminated

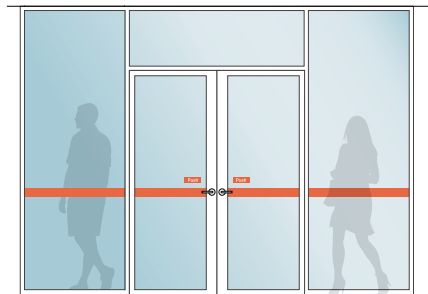
Provides privacy for rooms or designated areas where required.



**GS-M** **Glazing screen (medium privacy)**  
Glazing mounted  
Single sided  
Non-illuminated

Provides privacy for rooms or designated areas where required.

# Internal signage suite



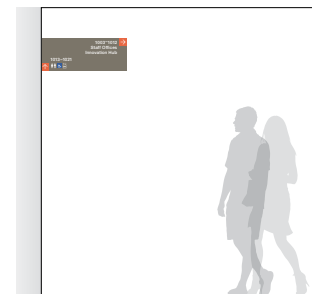
**PP** **Push / Pull decal**  
Glazing mounted  
Single sided  
Non-illuminated

Indicates operation of glazed doors.



**DW** **Directional wall mounted**  
Wall mounted  
Single sided  
Non-illuminated

Directs to key destinations, rooms and amenities. Located on key pathways and decision points.



**DC-S** **Directional cantilevered (small) / (medium)**  
Cantilevered  
Double sided  
Non-illuminated

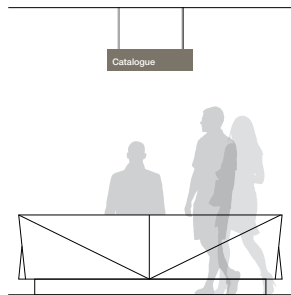
Directs to key destinations, rooms and amenities. Located on key pathways and decision points.



**DS-S** **Directional suspended (small) / (medium)**  
Suspended  
Double sided  
Non-illuminated

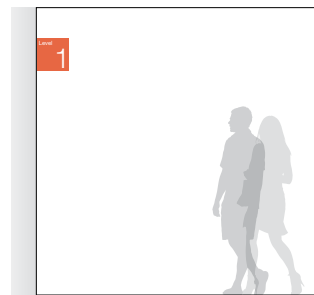
Directs to key destinations, rooms and amenities. Located on key pathways and decision points.

# Internal signage suite



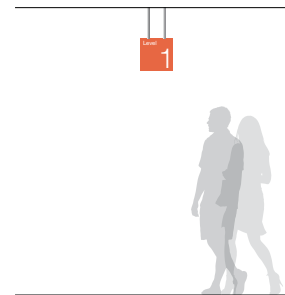
**RIDS** Reception identification  
Suspended  
Single sided  
Non-illuminated

Identifies building reception, customer service points and key destinations.



**IDC** Identification cantilevered  
Cantilevered  
Double sided  
Non-illuminated

Identifies levels, destinations, lifts and amenities.



**IDS** Identification suspended  
Suspended  
Double sided  
Non-illuminated

Identifies levels, destinations, lifts and amenities.



**IDW** Identification wall mounted  
Wall mounted  
Single sided  
Non-illuminated

Identifies levels, destinations, lifts and amenities.

# Internal signage suite



**RID-A** **Room identification (interchangeable)**  
Wall mounted  
Single sided  
Non-illuminated

Identifies room number, function or occupants.  
Mounted on wall next to latch side of door.



**RID-B** **Room identification (static)**  
Wall mounted  
Single sided  
Non-illuminated

Identifies room number. Mounted on wall next to latch side of door.



**AB** **Amenities braille**  
Wall mounted  
Single sided  
Non-illuminated

Identifies amenities with tactile and braille content. Mounted on wall next to latch side of door.

# Internal signage suite



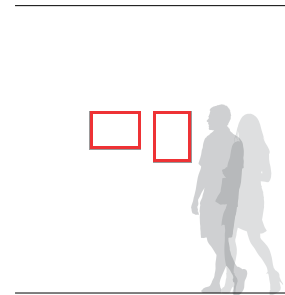
**EB** **Exit braille**  
Wall mounted  
Single sided  
Non-illuminated

Identifies stairwell exits with braille and tactile content.



**ST** **Statutory sign**  
Wall mounted  
Single sided  
Non-illuminated

Identifies fire hose reels, fire indicator panels, and emergency exits as per Australian Standards.



**ED** **Evacuation diagram**  
Wall mounted  
Single sided  
Non-illuminated

Identifies emergency egress routes.



**SPW** **Security phone**  
Wall mounted  
Single sided  
Non-illuminated

Identifies operation of security phones and help points.

# Internal signage suite



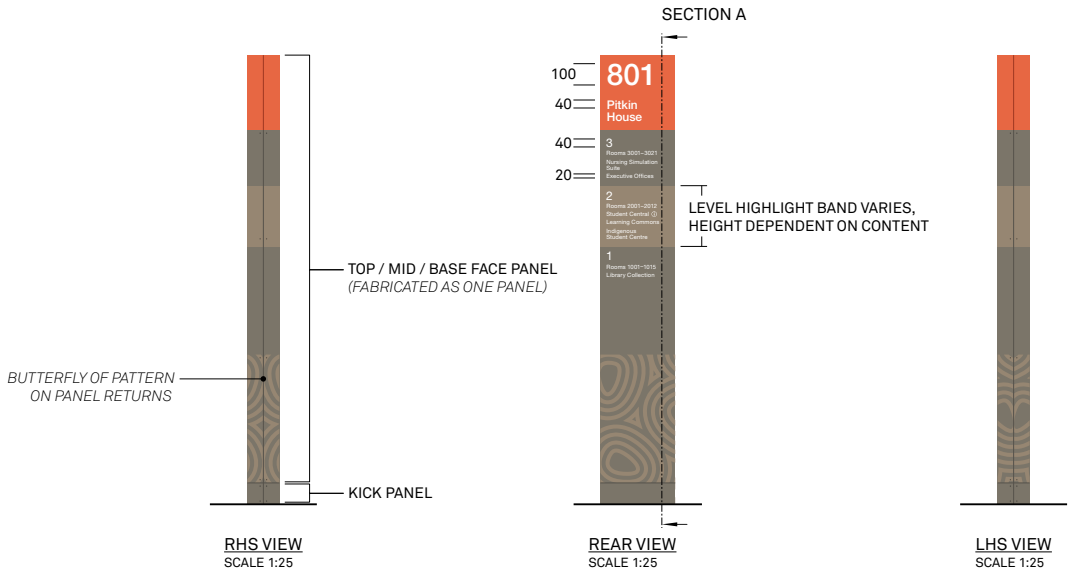
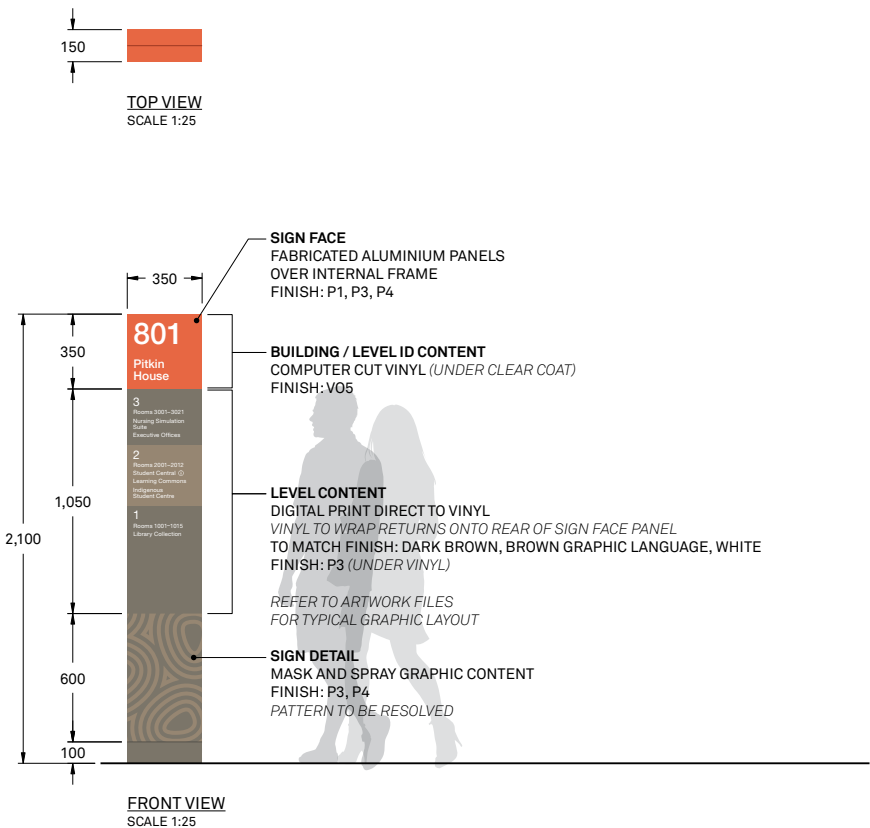
**IDI** **Identification instruction**  
Wall mounted  
Single sided  
Non-illuminated

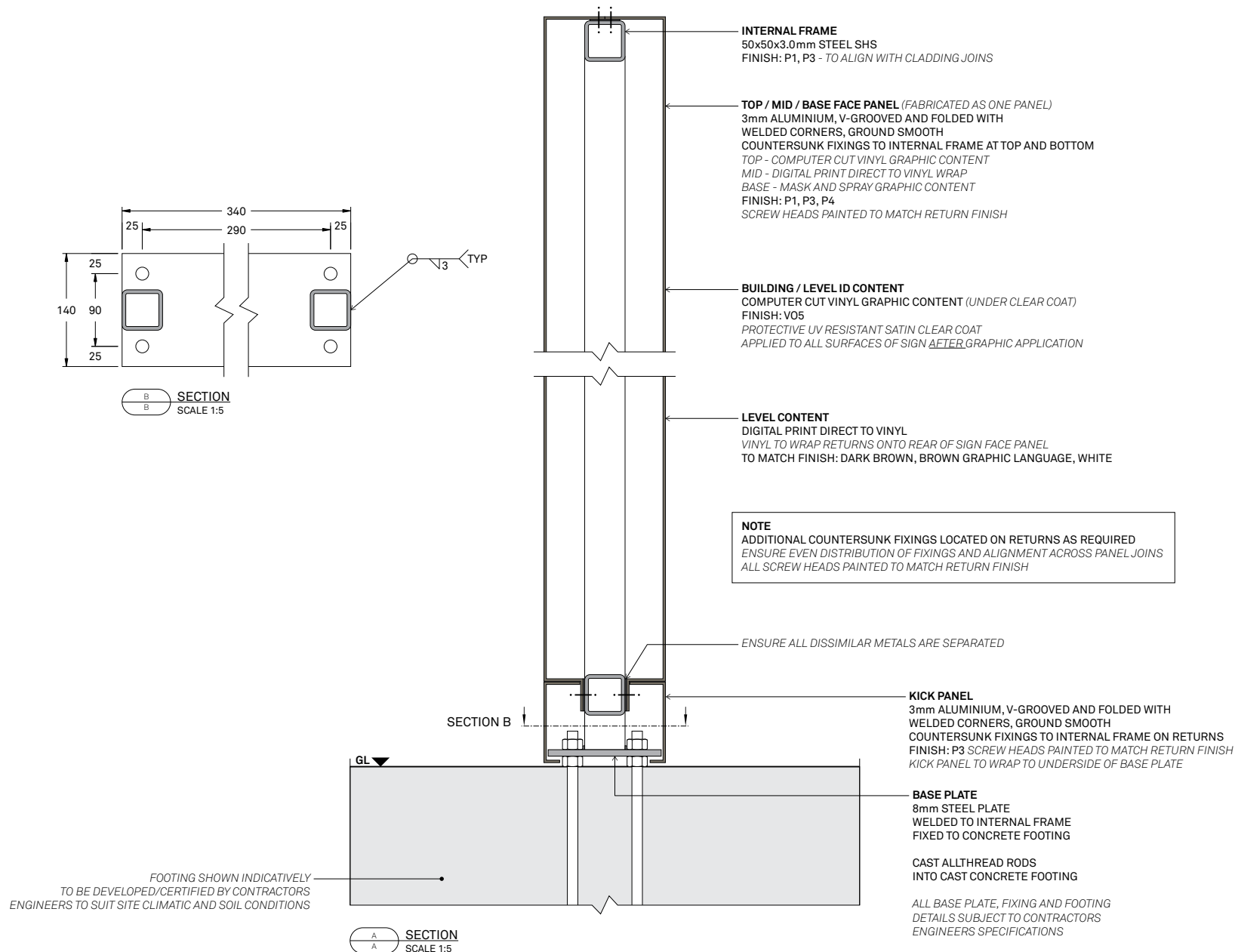
Identifies instructions or conditions for compliance and consent.



**HB** **Honour board**  
Wall mounted  
Single sided  
Non-illuminated

Identifies donors or benefactors for nominated destinations and spaces.







**SIGN FACE**

10mm ACRYLIC PANEL  
VHB TAPED AND SILICONE FIXED TO SPACER PANEL  
CONTRACTOR TO ENSURE SECURE ADHESION TO SUIT SUBSTRATE  
AND ENSURE ADHESION METHOD IS NOT VISIBLE

**SIGN SPACER**

10mm ACRYLIC SPACER PANEL  
10mm INSET ALL AROUND  
FINISH: P3  
SPACER MECHANICALLY FIXED TO EXISTING WALL SUBSTRATE  
WITH COUNTERSUNK FIXINGS LOCATED UNDER SIGN FACE  
CONTRACTOR TO ENSURE SECURE FIXING TO SUIT SUBSTRATE  
AND ENSURE FIXING METHOD IS NOT VISIBLE

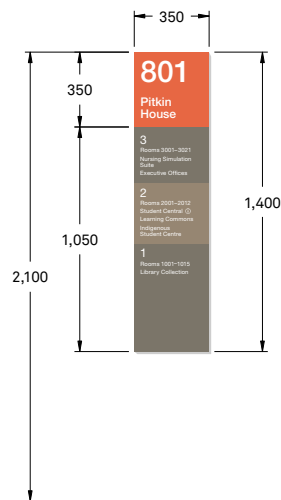
### BUILDING / LEVEL ID CONTENT

COMPUTER CUT VINYL GRAPHIC CONTENT (UNDER CLEAR COAT)  
FINISH: V05  
PROTECTIVE UV RESISTANT SATIN CLEAR COAT  
APPLIED TO ALL SURFACES OF SIGN AFTER GRAPHIC APPLICATION

## LEVEL CONTENT

DIGITAL PRINT DIRECT TO VINYL  
VINYL TO WRAP RETURNS ONTO REAR OF SIGN FACE PANEL  
TO MATCH FINISH: DARK BROWN, BROWN GRAPHIC LANGUAGE, WHITE  
FINISH: P3 (UNDER VINYL)

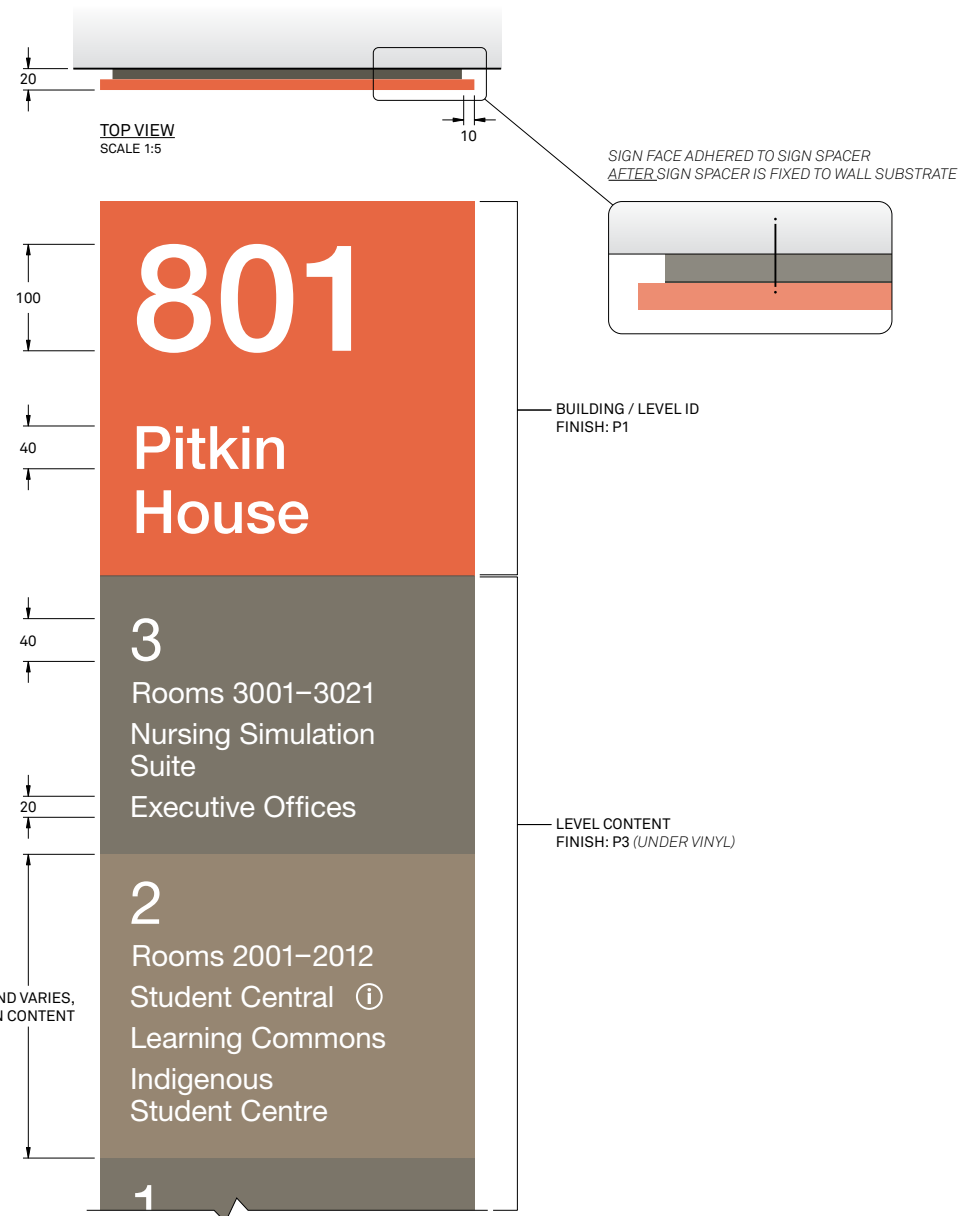
REFER TO ARTWORK FILES FOR TYPICAL GRAPHIC LAYOUT



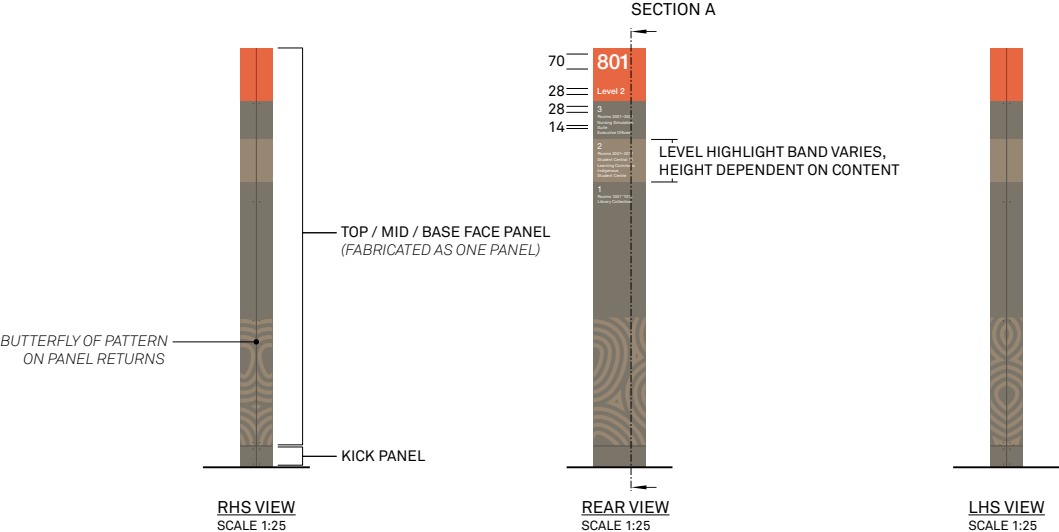
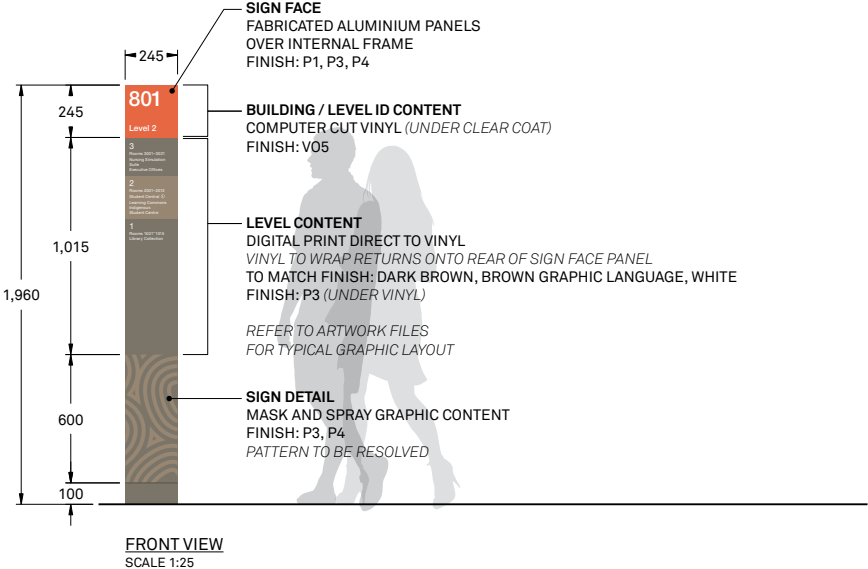
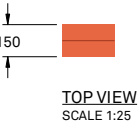
TYPICAL SIGN IN SITU  
SCALE 1:25



LEVEL HIGHLIGHT BAND VARIES,  
HEIGHT DEPENDENT ON CONTENT



FRONT VIEW  
SCALE 1:5



The following options illustrate typical scenarios for the installation of the LDT level directory totem.

Signs should be located at both the top and bottom of the stairwell, to provide users with the information at the appropriate decision point before they make the level change.

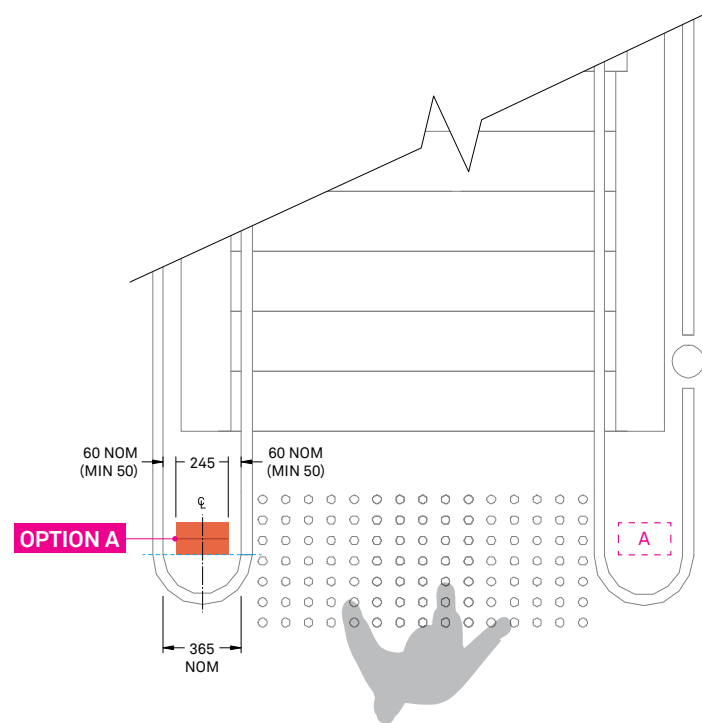
Signs to be single sided in all scenarios illustrated, with content facing direction of approach to the stairway entry.  
*Content on the rear of the signs would create a hazard if read while users are traversing the stairs.*

#### OPTION A

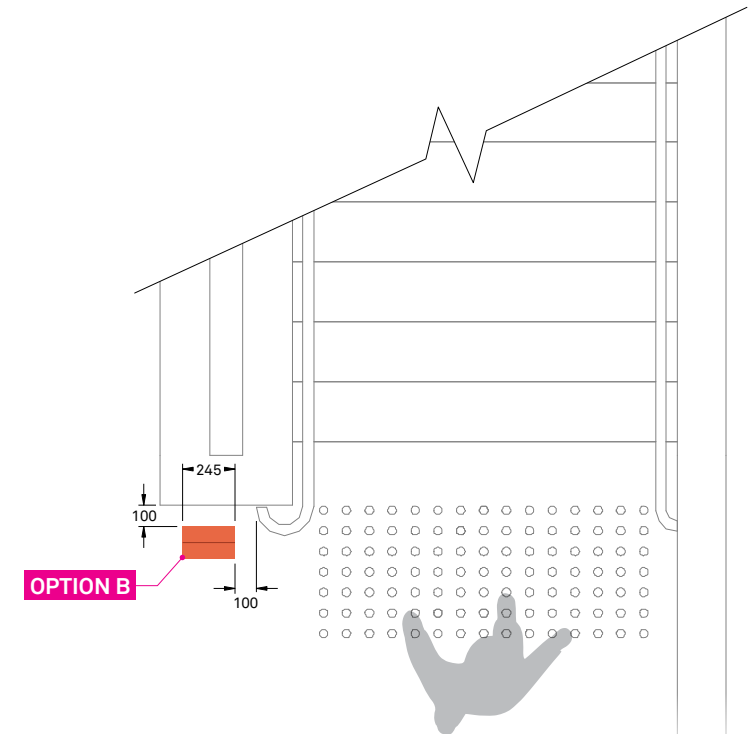
Level directory totem located on inner edge of handrail to the LHS or RHS of stairs (depending on most appropriate approach). Minimum 50mm clearance between sign and handrail to all sides.

#### OPTION B

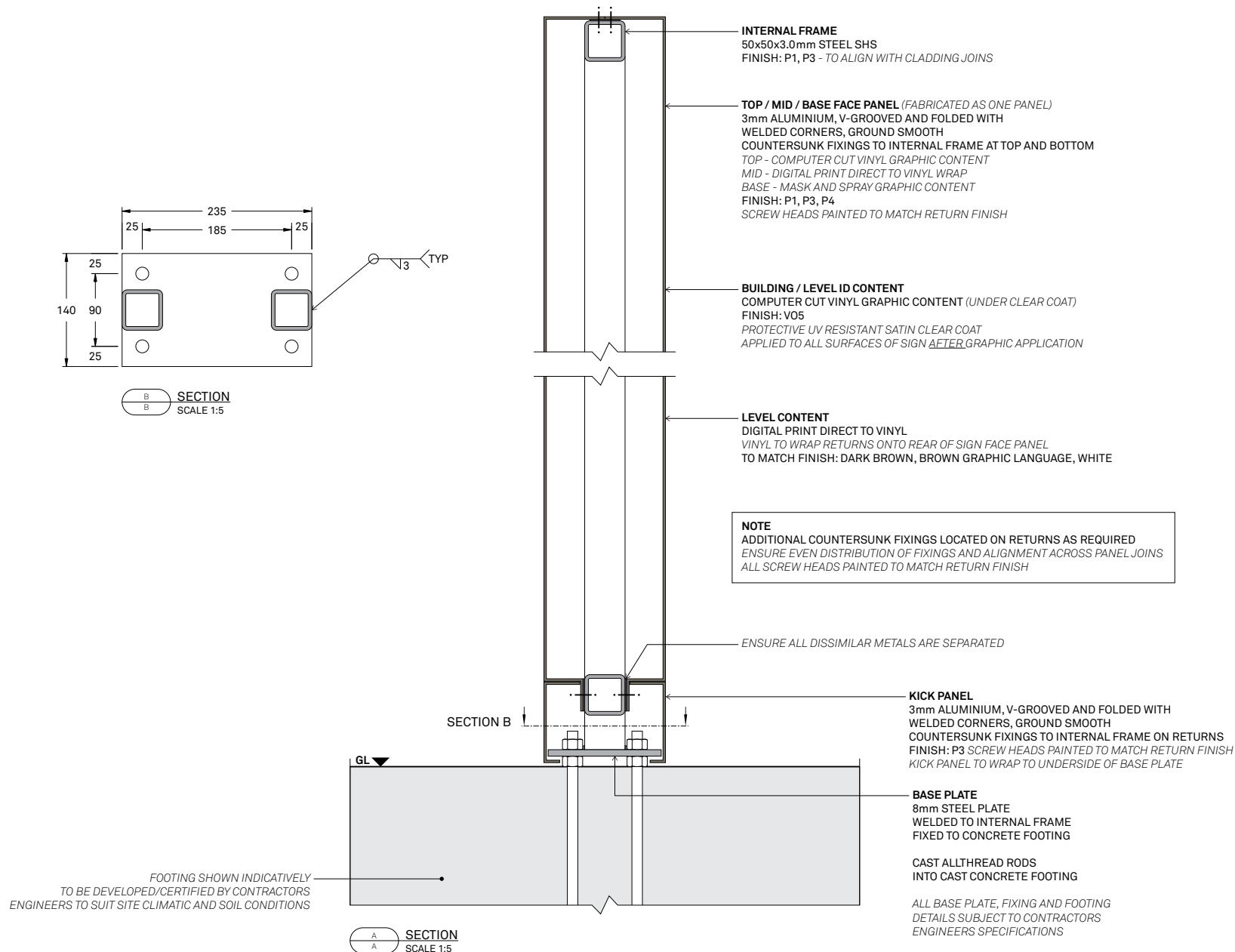
Scenarios where the inner edge of the handrail does not allow adequate clearance, and there is an adjacent wall to LHS or RHS of stairwell entry, sign to be located in front of wall at minimum 100mm from edge of handrail.



**TOP VIEW - OPTION A**  
 SCALE 1:25



**TOP VIEW - OPTION B**  
 SCALE 1:25



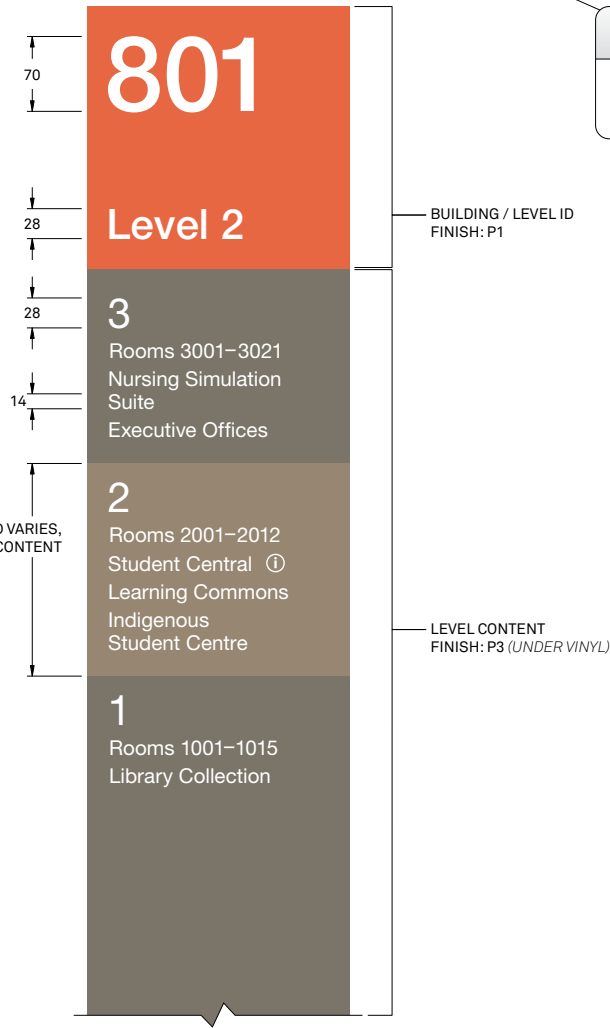
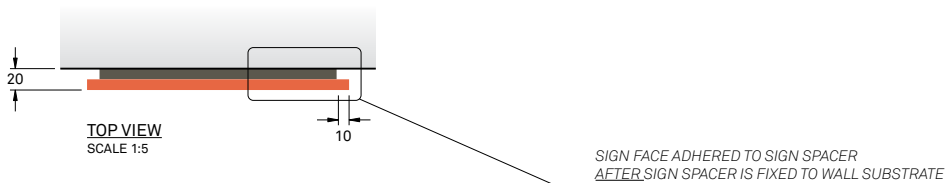
**SIGN FACE**  
10mm ACRYLIC PANEL  
VHB TAPED AND SILICONE FIXED TO SPACER PANEL  
CONTRACTOR TO ENSURE SECURE ADHESION TO SUIT SUBSTRATE  
AND ENSURE ADHESION METHOD IS NOT VISIBLE

**SIGN SPACER**  
10mm ACRYLIC SPACER PANEL  
10mm INSET ALL AROUND  
FINISH: P3  
SPACER MECHANICALLY FIXED TO EXISTING WALL SUBSTRATE  
WITH COUNTERSUNK FIXINGS LOCATED UNDER SIGN FACE  
CONTRACTOR TO ENSURE SECURE FIXING TO SUIT SUBSTRATE  
AND ENSURE FIXING METHOD IS NOT VISIBLE

**BUILDING / LEVEL ID CONTENT**  
COMPUTER CUT VINYL GRAPHIC CONTENT (UNDER CLEAR COAT)  
FINISH: V05  
PROTECTIVE UV RESISTANT SATIN CLEAR COAT  
APPLIED TO ALL SURFACES OF SIGN AFTER GRAPHIC APPLICATION

**LEVEL CONTENT**  
DIGITAL PRINT DIRECT TO VINYL  
VINYL TO WRAP RETURNS ONTO REAR OF SIGN FACE PANEL  
TO MATCH FINISH: DARK BROWN, BROWN GRAPHIC LANGUAGE, WHITE  
FINISH: P3 (UNDER VINYL)

REFER TO ARTWORK FILES FOR TYPICAL GRAPHIC LAYOUT



FRONT VIEW  
SCALE 1:5



**Safety strip**  
Glazing mounted  
Single sided  
Non-illuminated

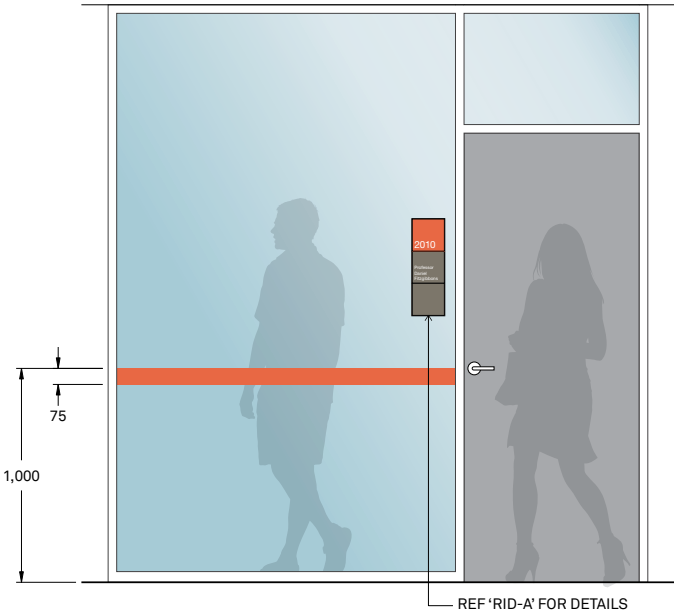
**Note:** The NCC (National Construction Code) and AS (Australian Standards) states the following:

**NCC 2016 Vol.1 Section D3.12**  
Glazing on an access way, where there is no chair rail, handrail or transom, all frameless or fully glazed doors, sidelights and any glazing capable of being mistaken for a doorway or opening, must be clearly marked in accordance with AS1428.1.

**AS 1428.1 Section 6.6**  
Where there is no chair rail, handrail or transom, all frameless or fully glazed doors, sidelights, including any glazing capable of being mistaken for a doorway or opening, shall be clearly marked for their full width with a solid contrasting line. The contrasting line shall be not less than 75 mm wide and shall extend across the full width of the glazing panel. The lower edge of the contrasting line shall be located between 900 mm and 1000 mm above the plane of the finished floor level. Any contrasting line on the glazing shall provide a minimum of 30% luminance contrast when viewed against the floor surface or surfaces within 2 m of the glazing on the opposite side.

CONTRACTOR TO ENSURE SIGNAGE CONFORMS TO THE AUSTRALIAN STANDARDS, BUILDING AND CONSTRUCTION CODES.

CONTRACTOR TO SELECT APPROPRIATE VINYL FINISH (VO1 OR VO3) USING ARCHITECT'S FLOOR FINISHES SCHEDULE TO ENSURE SAFETY STRIPS ACHIEVE ADEQUATE LUMINENCE CONTRAST TO FLOOR FINISH.



**TYPICAL SIGN IN SITU**  
SCALE 1:25

**SAFETY STRIP**  
COMPUTER CUT VINYL APPLIED TO GLAZING  
ENSURE SIGN MEETS REQUIRED LUMINANCE CONTRAST  
FINISH: VO1

REFER TO ARTWORK FILES FOR TYPICAL GRAPHIC LAYOUT

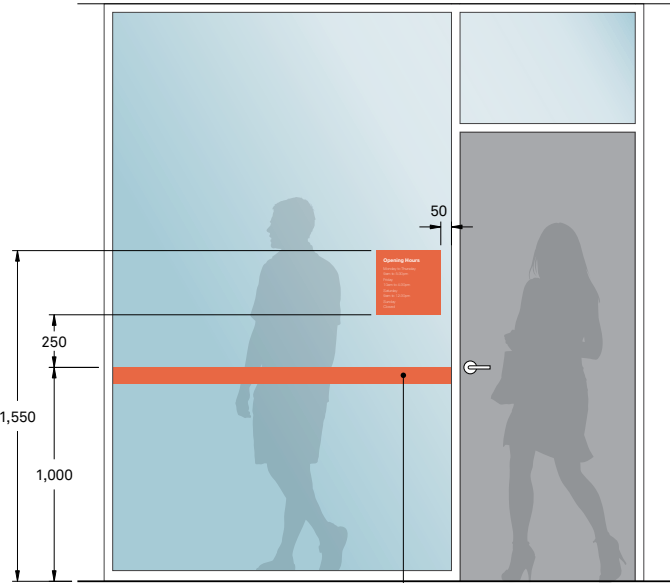


**FRONT VIEW**  
SCALE 1:1

24HR SPACES, LEARNING COMMONS AND PARENT ROOM  
SIGNAGE / GRAPHICS WILL BE CONSIDERED ON A CASE BY CASE BASIS.

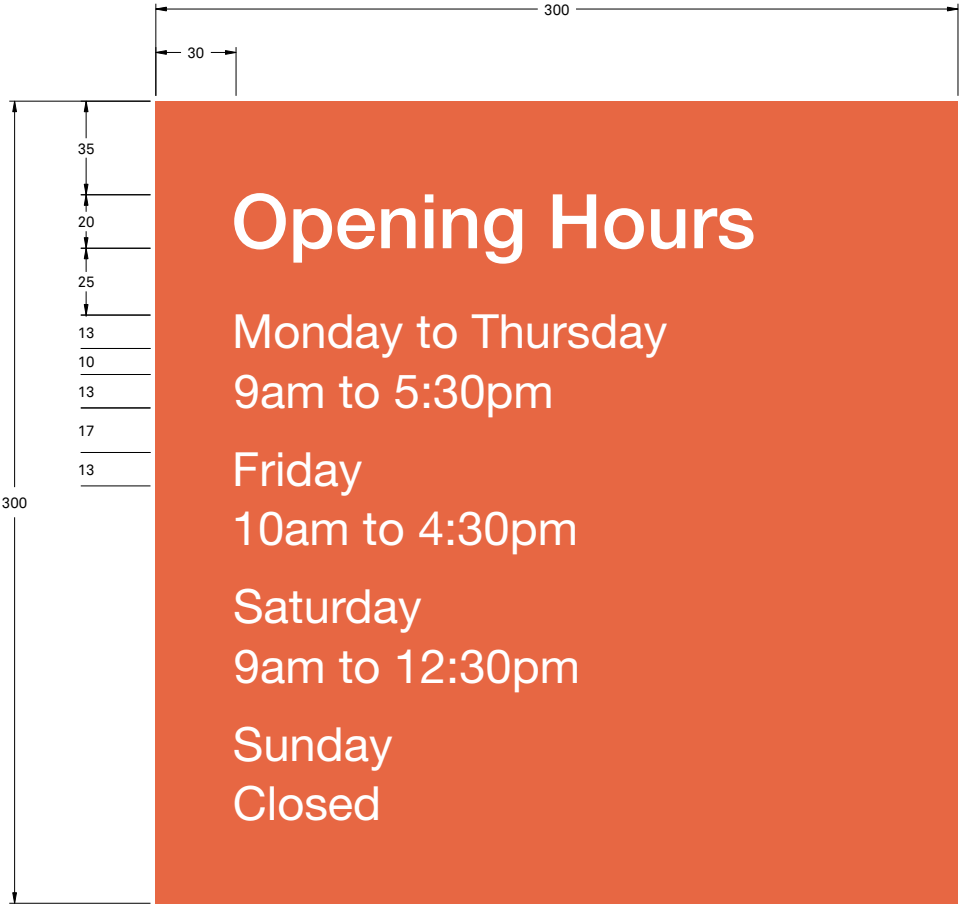
**GRAPHICS**  
DIGITAL PRINT DIRECT TO VINYL  
EXTERNALLY APPLIED TO GLAZING  
PROTECTIVE UV RESISTANT SATIN CLEAR OVERLAMINATE  
APPLIED TO ENTIRE GRAPHIC AFTER PRINT APPLICATION

PLACEHOLDER HOURS SHOWN



TYPICAL SIGN IN SITU  
SCALE 1:25

REF 'SS' FOR DETAILS



FRONT VIEW  
SCALE 1:2

GS-L

Glazing screen  
(low privacy)  
Glazing mounted  
Single sided  
Non-illuminated

GS-M

Glazing screen  
(medium privacy)  
Glazing mounted  
Single sided  
Non-illuminated

FINAL OPACITY OF ALL PRIVACY SCREENS TO BE  
CONFIRMED AND APPROVED BY DFM EXECUTIVE DIRECTOR

**LOW PRIVACY OPTION**  
DIGITAL PRINT TO SELF ADHESIVE CLEAR VINYL  
APPLIED TO INSIDE OF GLAZING

30% WHITE PATTERN OVER  
15% WHITE BASE

REFER TO 'CSU BRAND GUIDELINES' FOR FURTHER INFORMATION  
ON THE GRAPHIC LANGUAGE PATTERNS AND CURRENT GRAPHIC ASSETS

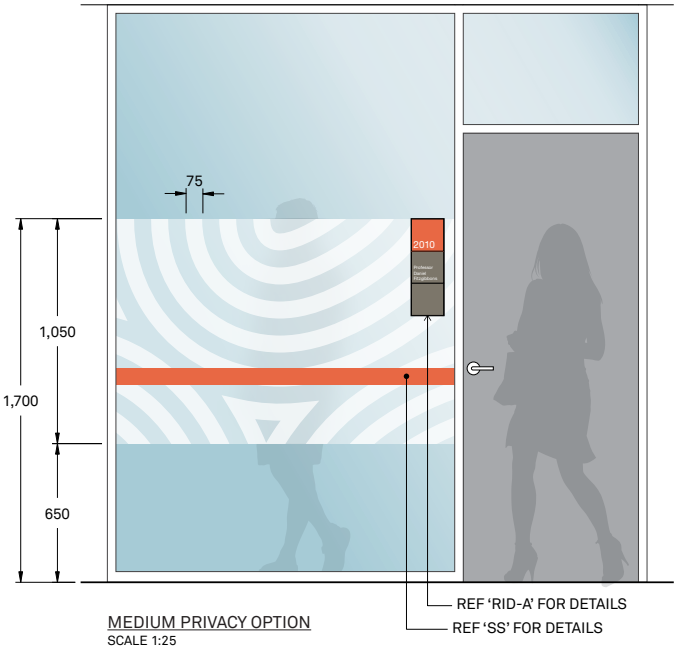
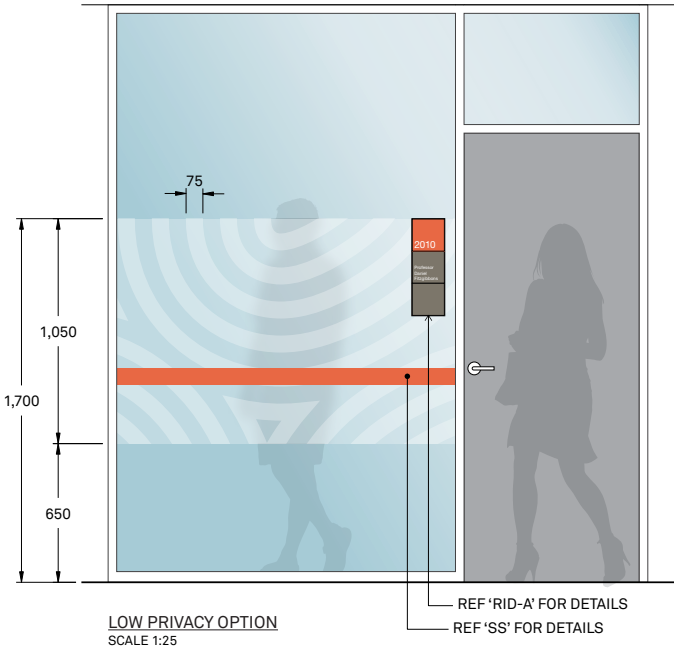
75mm PATTERN STROKE TO BE MAINTAINED

**MEDIUM PRIVACY OPTION**  
DIGITAL PRINT TO SELF ADHESIVE CLEAR VINYL  
APPLIED TO INSIDE OF GLAZING

60% WHITE PATTERN OVER  
30% WHITE BASE

REFER TO 'CSU BRAND GUIDELINES' FOR FURTHER INFORMATION  
ON THE GRAPHIC LANGUAGE PATTERNS AND CURRENT GRAPHIC ASSETS

75mm PATTERN STROKE TO BE MAINTAINED





GS-L

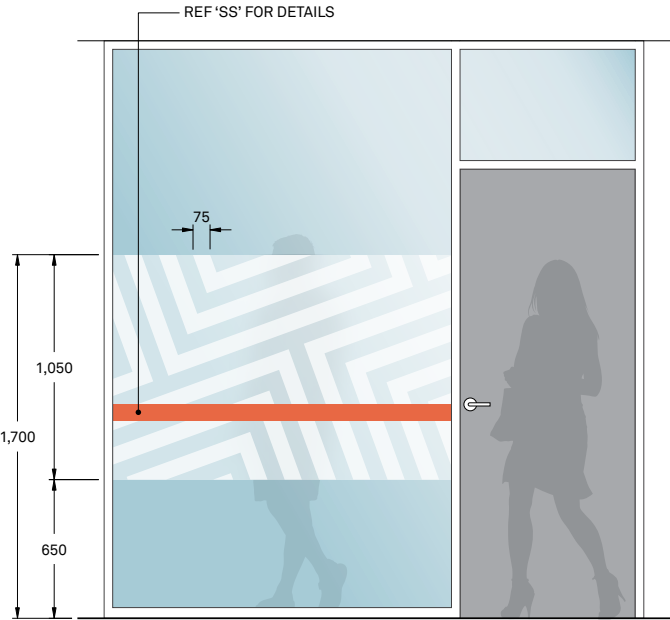
Glazing screen  
(low privacy)  
Glazing mounted  
Single sided  
Non-illuminated

GS-M

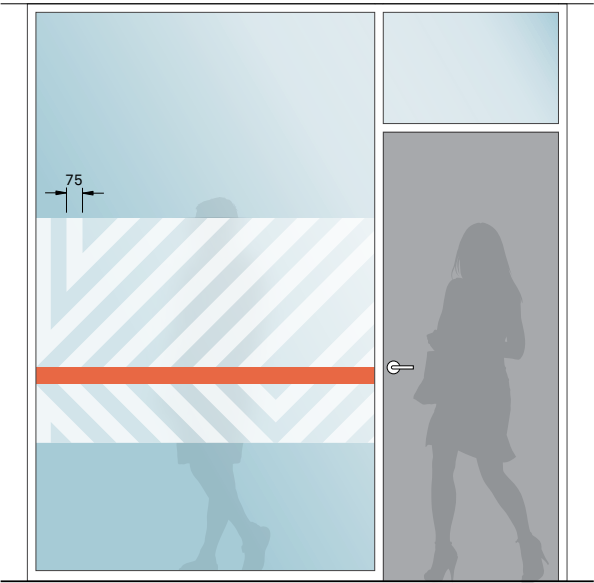
Glazing screen  
(medium privacy)  
Glazing mounted  
Single sided  
Non-illuminated

REFER TO 'CSU BRAND GUIDELINES' FOR FURTHER INFORMATION  
ON THE GRAPHIC LANGUAGE PATTERNS AND CURRENT GRAPHIC ASSETS

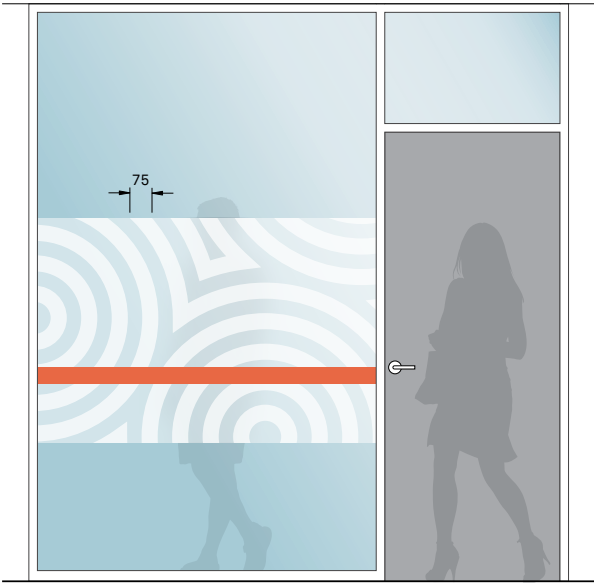
75mm PATTERN STROKE TO BE MAINTAINED



GRAPHIC LANGUAGE PATTERN - SQUARE  
SCALE 1:25



GRAPHIC LANGUAGE PATTERN - RECTANGLE  
SCALE 1:25



GRAPHIC LANGUAGE PATTERN - CIRCLE  
SCALE 1:25



GS-L

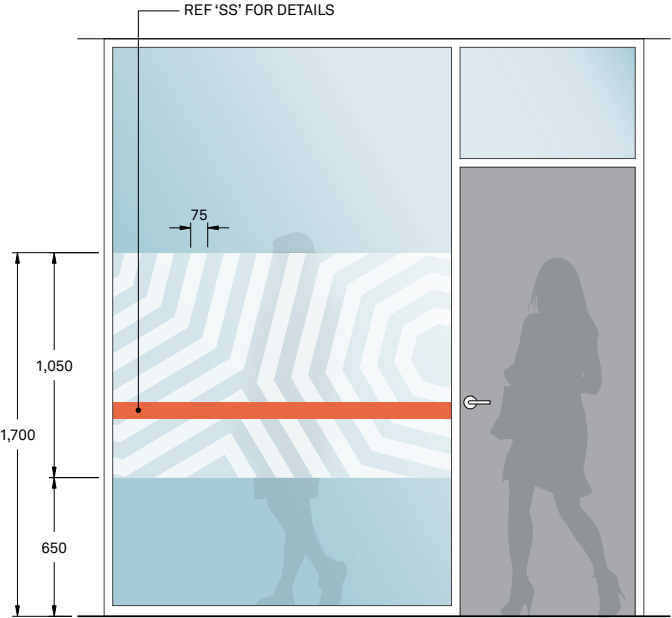
Glazing screen  
(low privacy)  
Glazing mounted  
Single sided  
Non-illuminated

GS-M

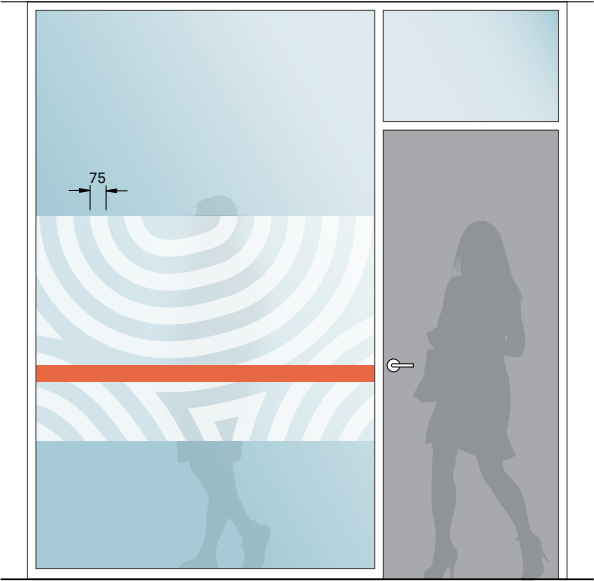
Glazing screen  
(medium privacy)  
Glazing mounted  
Single sided  
Non-illuminated

REFER TO 'CSU BRAND GUIDELINES' FOR FURTHER INFORMATION  
ON THE GRAPHIC LANGUAGE PATTERNS AND CURRENT GRAPHIC ASSETS

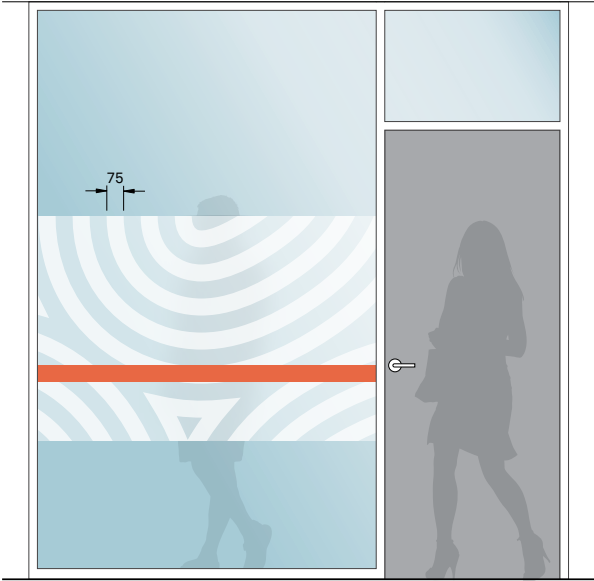
75mm PATTERN STROKE TO BE MAINTAINED



GRAPHIC LANGUAGE PATTERN - OCTAGON  
SCALE 1:25



GRAPHIC LANGUAGE PATTERN - ORGANIC 01  
SCALE 1:25



GRAPHIC LANGUAGE PATTERN - ORGANIC 02  
SCALE 1:25



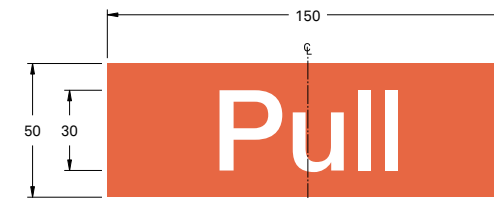
**GRAPHICS**

DIGITAL PRINT DIRECT TO VINYL  
 APPLIED TO BOTH SIDES OF GLAZING  
 PROTECTIVE UV RESISTANT SATIN CLEAR OVERLAMINATE  
 APPLIED TO ENTIRE GRAPHIC AFTER PRINT APPLICATION

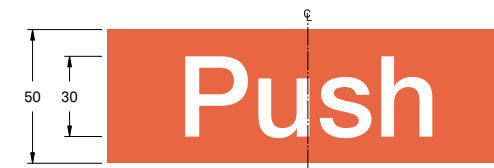


**TYPICAL SIGN IN SITU**  
 SCALE 1:25

REF 'SS' FOR DETAILS



**PULL SIDE LAYOUT**  
 SCALE 1:2



**PUSH SIDE LAYOUT**  
 SCALE 1:2

**SIGN FACE**

10mm ACRYLIC PANEL  
 VHB TAPED AND SILICONE FIXED TO SPACER PANEL  
 CONTRACTOR TO ENSURE SECURE ADHESION TO SUIT SUBSTRATE  
 AND ENSURE ADHESION METHOD IS NOT VISIBLE

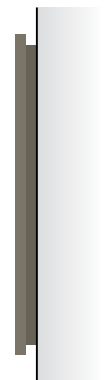
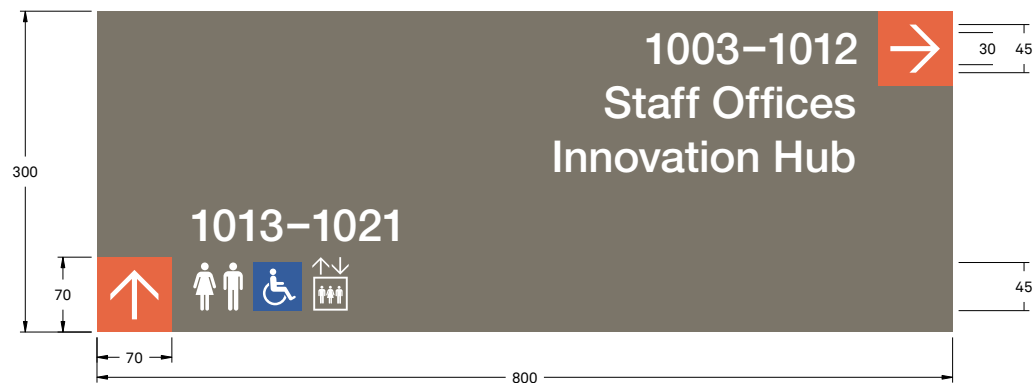
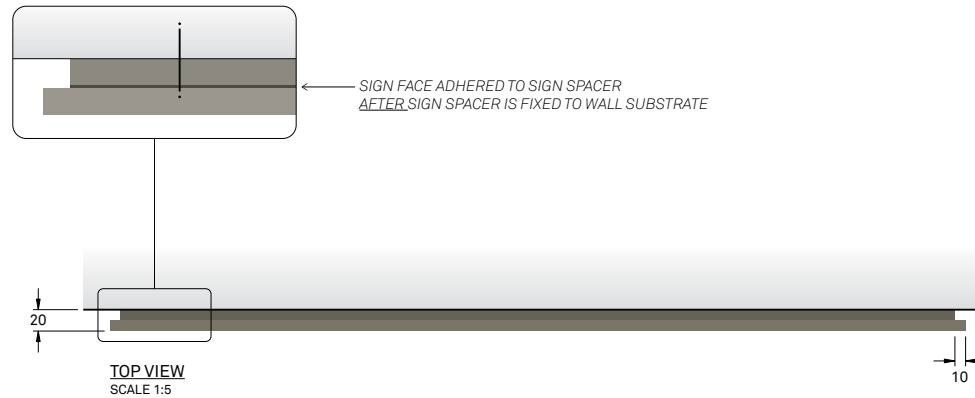
**SIGN SPACER**

10mm ACRYLIC SPACER PANEL  
 10mm INSET ALL AROUND  
 FINISH: P3  
 SPACER MECHANICALLY FIXED TO EXISTING WALL SUBSTRATE  
 WITH COUNTERSUNK FIXINGS LOCATED UNDER SIGN FACE  
 CONTRACTOR TO ENSURE SECURE FIXING TO SUIT SUBSTRATE  
 AND ENSURE FIXING METHOD IS NOT VISIBLE

**CONTENT**

DIGITAL PRINT DIRECT TO VINYL  
 VINYL TO WRAP RETURNS ONTO REAR OF SIGN FACE PANEL  
 TO MATCH FINISH: LIGHT ORANGE, DARK BROWN, WHITE, ACCESSIBLE BLUE

REFER TO ARTWORK FILES FOR TYPICAL GRAPHIC LAYOUT



**DC-S**

**Directional cantilevered (small)**  
 Cantilevered  
 Double sided  
 Non-illuminated

**DC-M**

**Directional cantilevered (medium)**  
 Cantilevered  
 Double sided  
 Non-illuminated



**3D VIEW**  
 NOT TO SCALE

**SIGN FACE**

FABRICATED ALUMINIUM PANELS  
 OVER INTERNAL FRAME  
 FINISH: P1

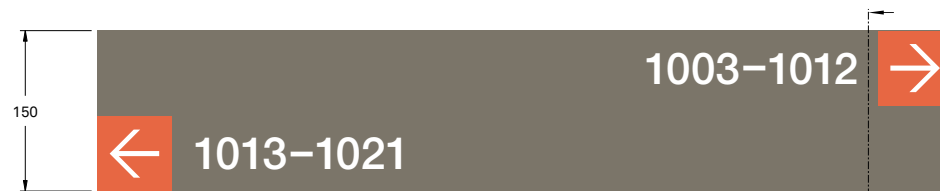
**ARROWS**

COMPUTER CUT VINYL DIRECT TO PAINTED SIGN FACE  
 FINISH: V05

**CONTENT**

DIGITAL PRINT DIRECT TO VINYL  
 VINYL APPLIED TO FRONT AND REAR FACE PANELS  
 NOTCHED CORNERS - ARROW CORNERS REMOVED TO SHOW 'P1' FINISH  
 TO MATCH FINISH: DARK BROWN, WHITE, ACCESSIBLE BLUE

REFER TO ARTWORK FILES FOR TYPICAL GRAPHIC LAYOUT

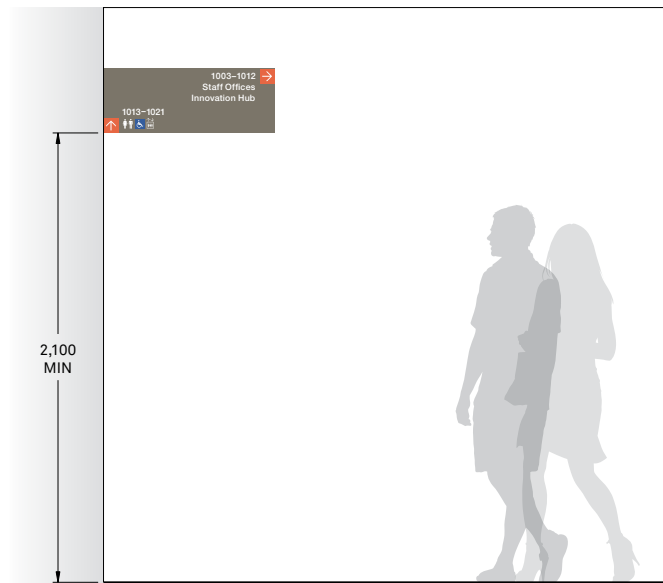


**FRONT VIEW**  
 SCALE 1:5 **DC-S**

**SECTION C**

**SECTION D**

**SIDE VIEW**  
 SCALE 1:5



**TYPICAL SIGN IN SITU**  
 SCALE 1:25

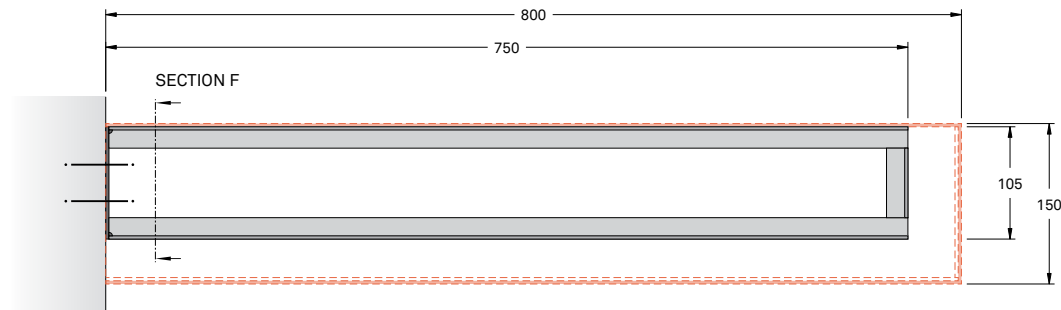
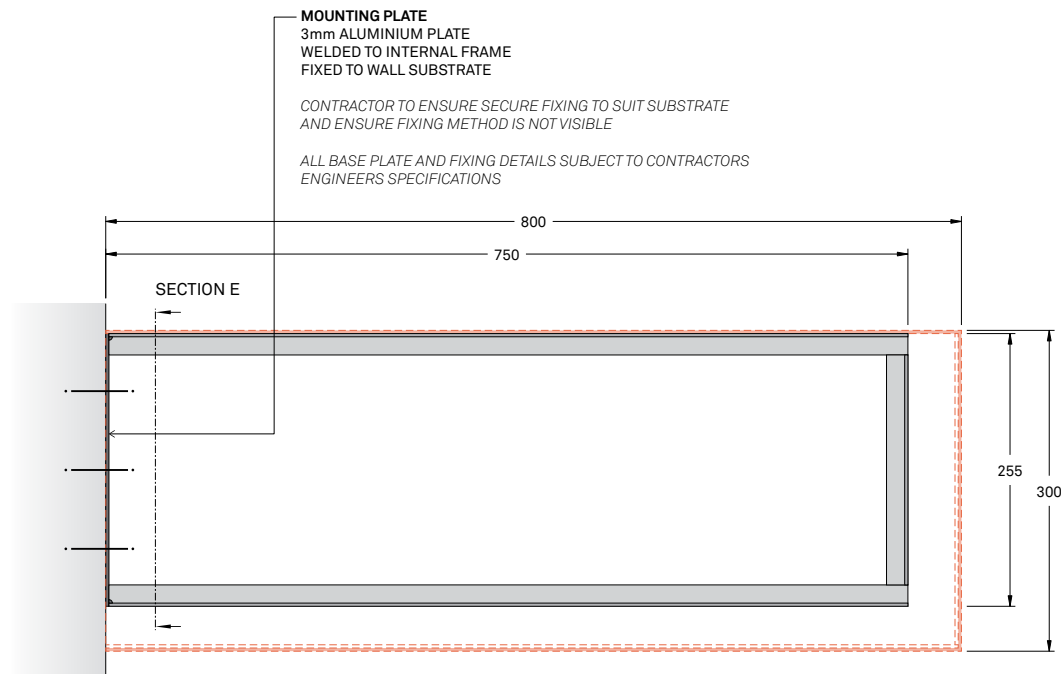


**FRONT VIEW**  
 SCALE 1:5 **DC-M**

**SECTION A**

**SECTION B**

**SIDE VIEW**  
 SCALE 1:5

**DC-S****Directional cantilevered (small)**Cantilevered  
Double sided  
Non-illuminated**DC-M****Directional cantilevered (medium)**Cantilevered  
Double sided  
Non-illuminatedSECTION F  
SCALE 1:5SECTION E  
SCALE 1:5

**MOUNTING PLATE**  
3mm ALUMINIUM PLATE  
WELDED TO INTERNAL FRAME  
FIXED TO WALL SUBSTRATE

CONTRACTOR TO ENSURE SECURE FIXING TO SUIT SUBSTRATE  
AND ENSURE FIXING METHOD IS NOT VISIBLE

ALL BASE PLATE AND FIXING DETAILS SUBJECT TO CONTRACTORS  
ENGINEERS SPECIFICATIONS

**INTERNAL FRAME**  
40x20x3.0mm ALUMINIUM CHANNEL  
WELDED TO WALL MOUNTING PLATE

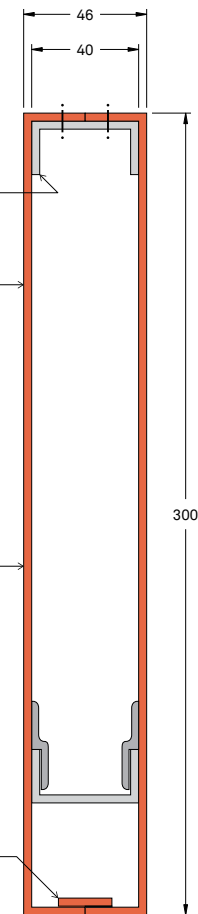
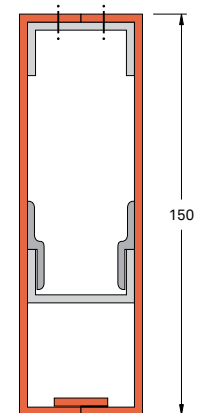
**FRONT AND REAR FACE PANEL**  
3mm ALUMINIUM, V-GROOVED AND FOLDED WITH  
WELDED CORNERS, GROUND SMOOTH  
COUNTERSUNK FIXINGS TO INTERNAL FRAME AT TOP  
SPLIT BATTENED TO INTERNAL FRAME  
ALONG BOTTOM EDGE  
DIGITAL PRINT TO VINYL GRAPHIC CONTENT  
FINISH: P1  
SCREW HEADS PAINTED TO MATCH RETURN FINISH

FRONT AND REAR FACE PANELS INSTALLED  
AFTER FRAME ASSEMBLY HAS BEEN FIXED  
TO WALL SUBSTRATE

**ARROWS**  
COMPUTER CUT VINYL  
DIRECT TO PAINTED SIGN PANEL  
FINISH: V05

**GRAPHIC CONTENT**  
DIGITAL PRINT DIRECT TO VINYL  
VINYL APPLIED TO FRONT AND REAR FACE PANELS  
NOTCHED CORNERS - ARROW CORNERS  
REMOVED TO SHOW 'P1' FINISH  
TO MATCH FINISH: DARK BROWN,  
WHITE, ACCESSIBLE BLUE

**FISH PLATE TO RUN ALONG**  
BOTTOM EDGE AND UP RETURN  
ENSURE BUTT JOIN BETWEEN  
FRONT AND REAR FACE PANELS  
FINISH: P1

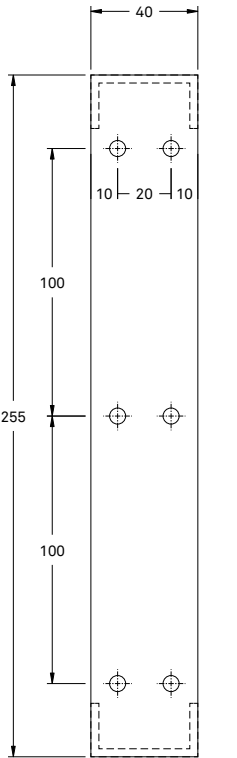
SECTION A  
SCALE 1:2SECTION C  
SCALE 1:2

DC-S

Directional cantilevered  
(small)  
Cantilevered  
Double sided  
Non-illuminated

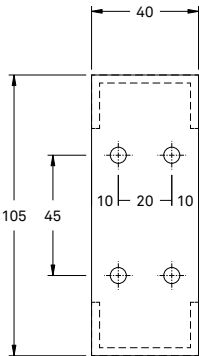
DC-M

Directional cantilevered  
(medium)  
Cantilevered  
Double sided  
Non-illuminated



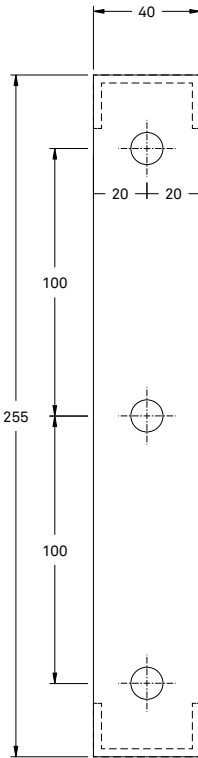
SECTION  
SCALE 1:2

CONNECTION DETAILS INTO STEEL SUBSTRATE  
MOUNTING PLATE: 3mm ALUMINIUM  
FIXINGS: 6x ST6.3(14) FIXINGS



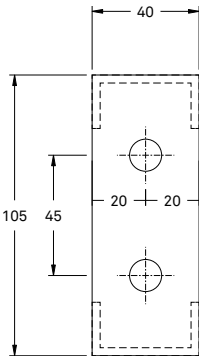
SECTION  
SCALE 1:2

CONNECTION DETAILS INTO STEEL SUBSTRATE  
MOUNTING PLATE: 3mm ALUMINIUM  
FIXINGS: 4x ST6.3(14) FIXINGS



SECTION  
SCALE 1:2

CONNECTION DETAILS INTO  
CONCRETE AND MASONRY SUBSTRATES  
MOUNTING PLATE: 3mm ALUMINIUM  
FIXINGS: 3x M8 ANKA SCREWS



SECTION  
SCALE 1:2

CONNECTION DETAILS INTO  
CONCRETE AND MASONRY SUBSTRATES  
MOUNTING PLATE: 3mm ALUMINIUM  
FIXINGS: 2x M8 ANKA SCREWS

## Internal signage

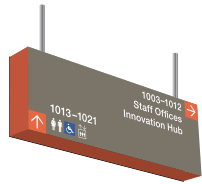
## 5.25 Directional suspended (small) / (medium)

**DS-S**

**Directional suspended (small)**  
Suspended  
Double sided  
Non-illuminated

**DS-M**

**Directional suspended (medium)**  
Suspended  
Double sided  
Non-illuminated



**3D VIEW**  
NOT TO SCALE

### SIGN FACE

FABRICATED ALUMINIUM PANELS  
OVER INTERNAL FRAME  
FINISH: P1

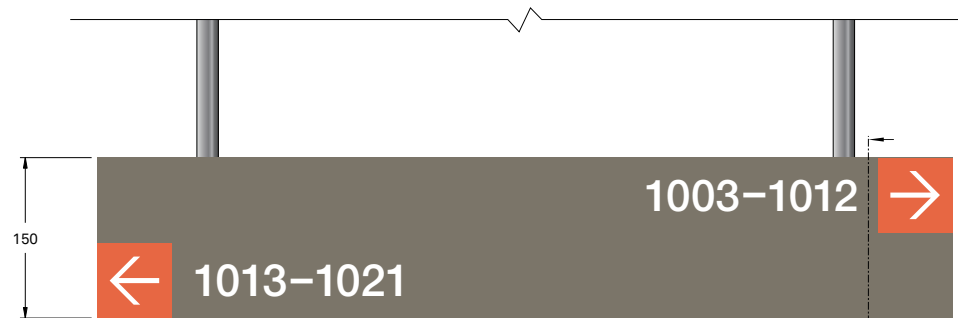
### ARROWS

COMPUTER CUT VINYL DIRECT TO PAINTED SIGN FACE  
FINISH: V05

### CONTENT

DIGITAL PRINT DIRECT TO VINYL  
VINYL APPLIED TO FRONT AND REAR FACE PANELS  
NOTCHED CORNERS - ARROW CORNERS REMOVED TO SHOW 'P1' FINISH  
TO MATCH FINISH: DARK BROWN, WHITE, ACCESSIBLE BLUE

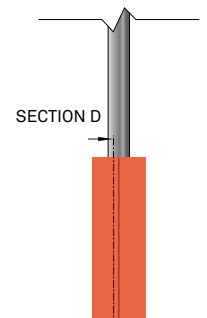
REFER TO ARTWORK FILES FOR TYPICAL GRAPHIC LAYOUT



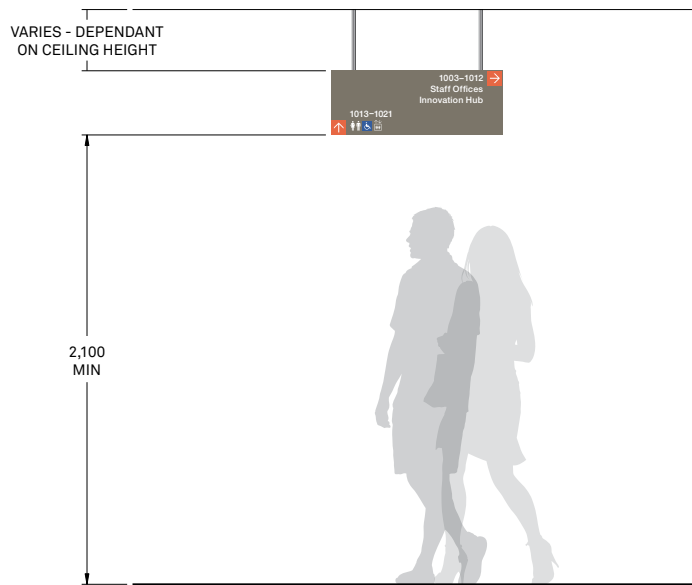
**FRONT VIEW**  
SCALE 1:5

**DS-S**

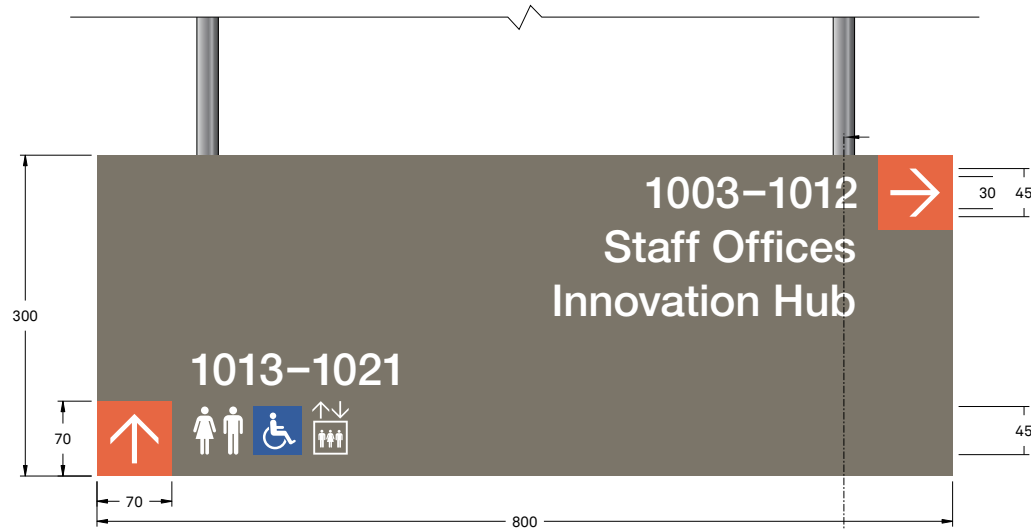
**SECTION C**



**SIDE VIEW**  
SCALE 1:5



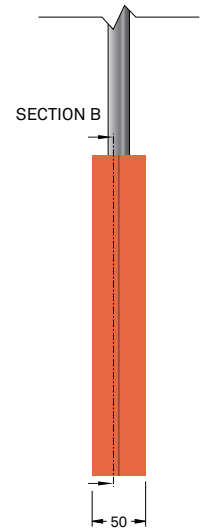
**TYPICAL SIGN IN SITU**  
SCALE 1:25



**FRONT VIEW**  
SCALE 1:5

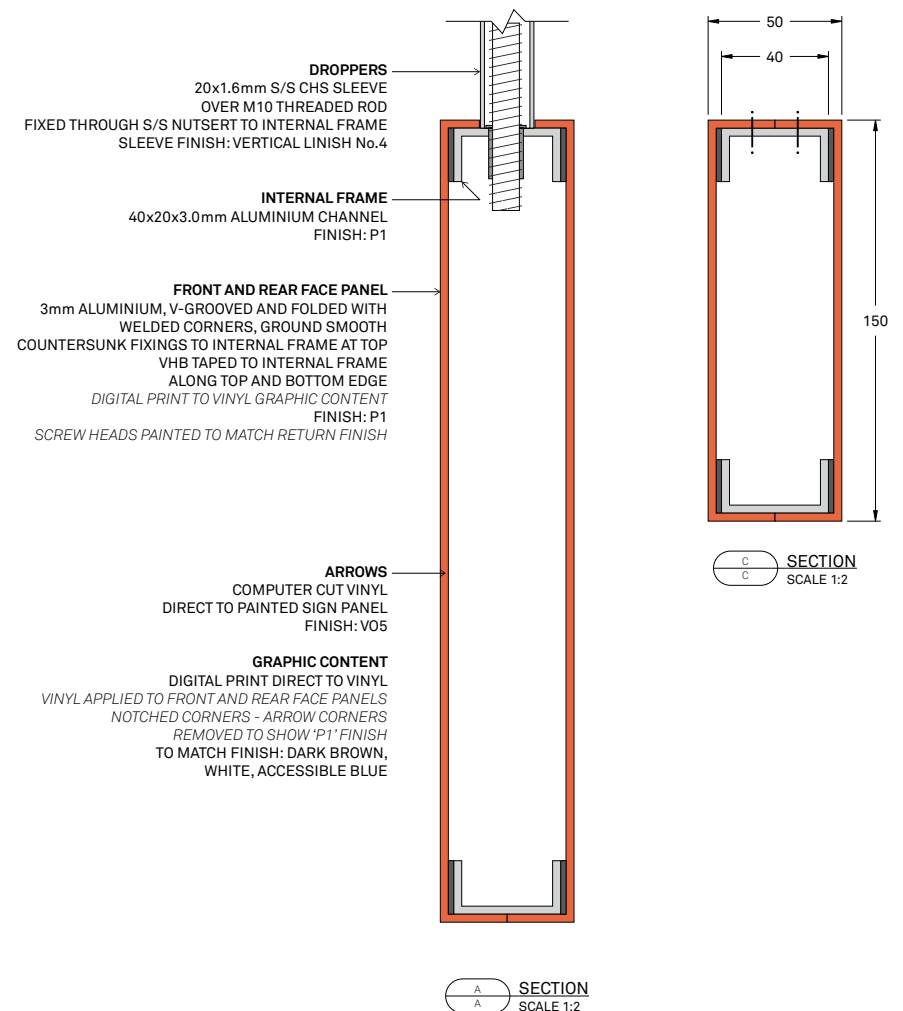
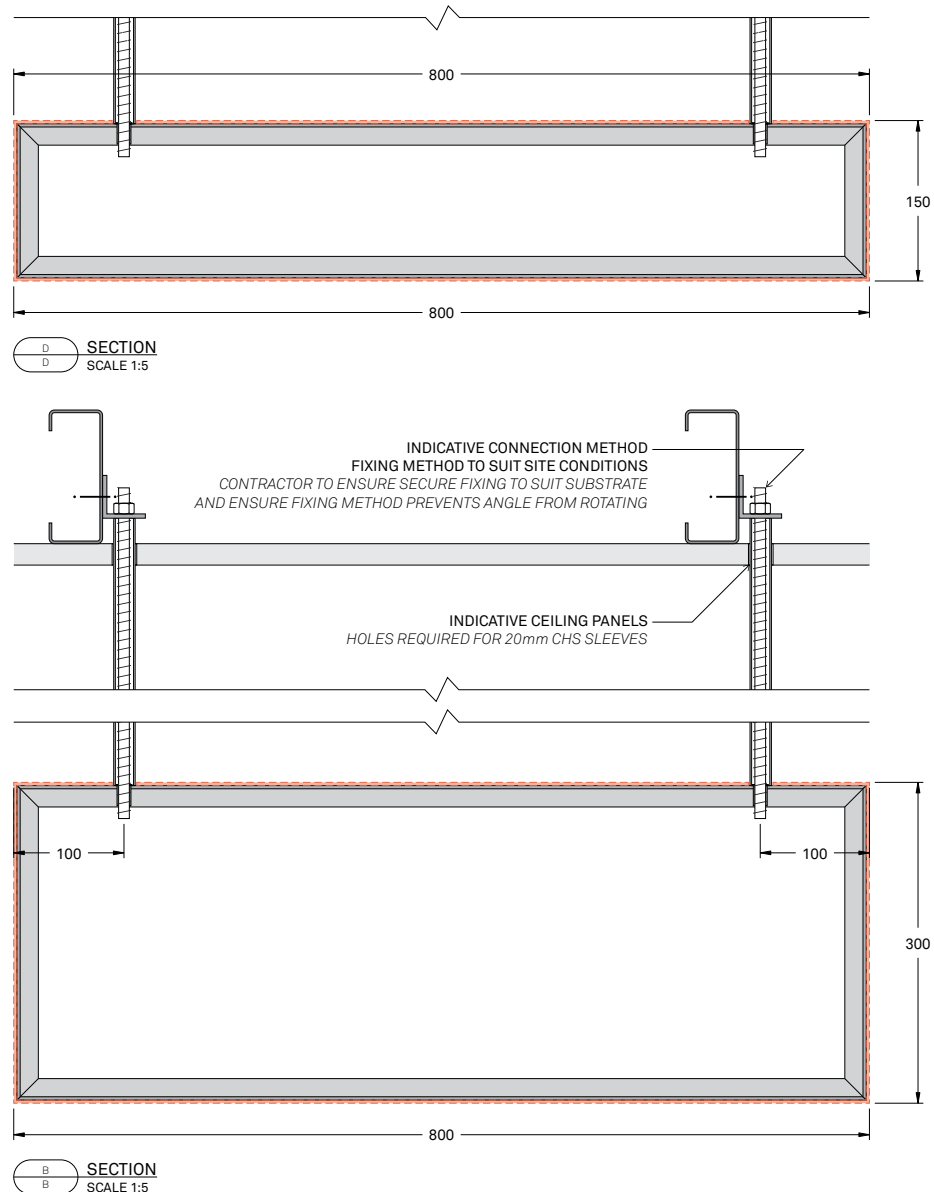
**DS-M**

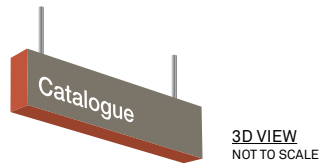
**SECTION A**



**SIDE VIEW**  
SCALE 1:5



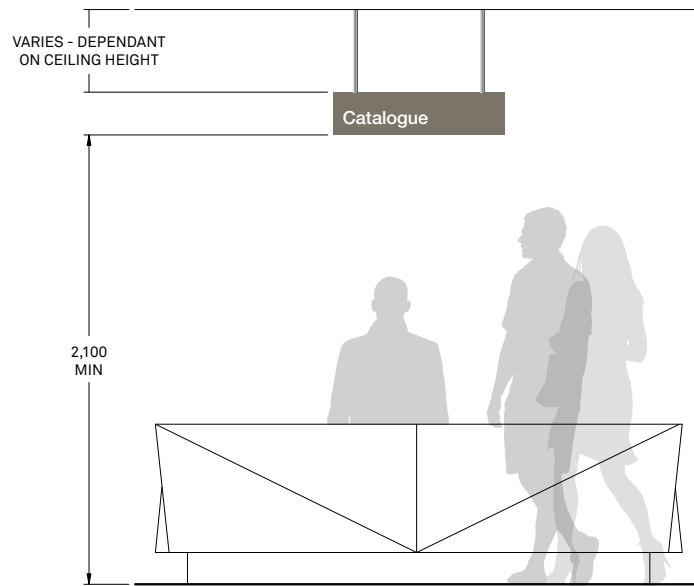




**SIGN FACE**  
FABRICATED ALUMINIUM PANELS  
OVER INTERNAL FRAME  
FRONT AND REAR FINISH: P3  
RETURN FINISH: P1

**CONTENT**  
COMPUTER CUT VINYL DIRECT TO PAINTED SIGN FACE  
FINISH: V05

REFER TO ARTWORK FILES FOR TYPICAL GRAPHIC LAYOUT

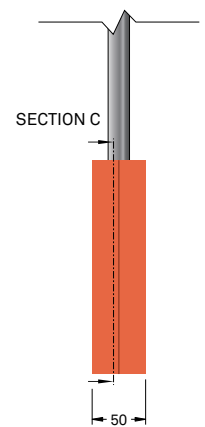


**TYPICAL SIGN IN SITU**  
SCALE 1:25

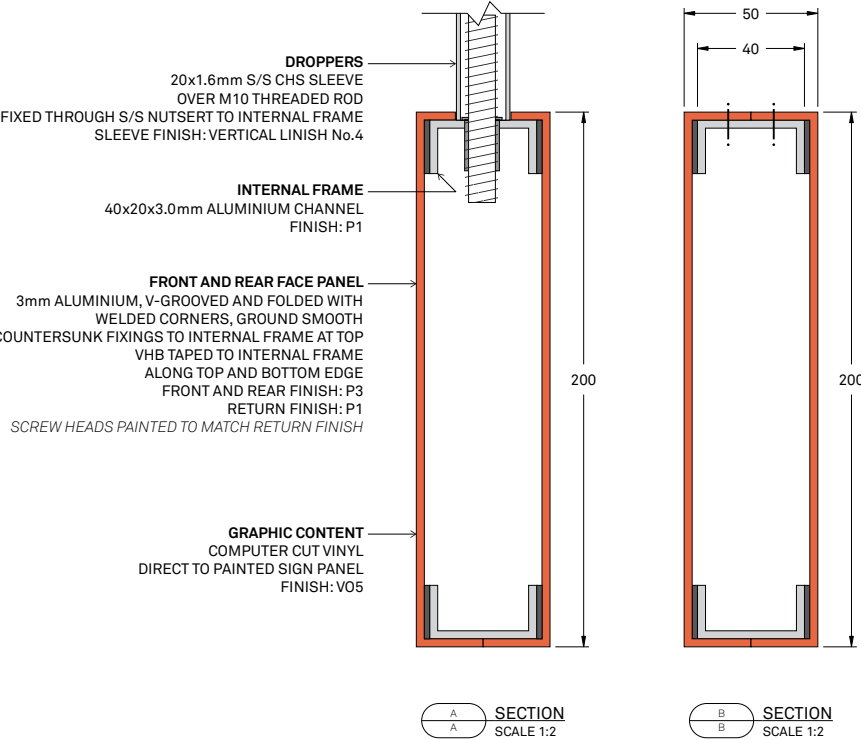
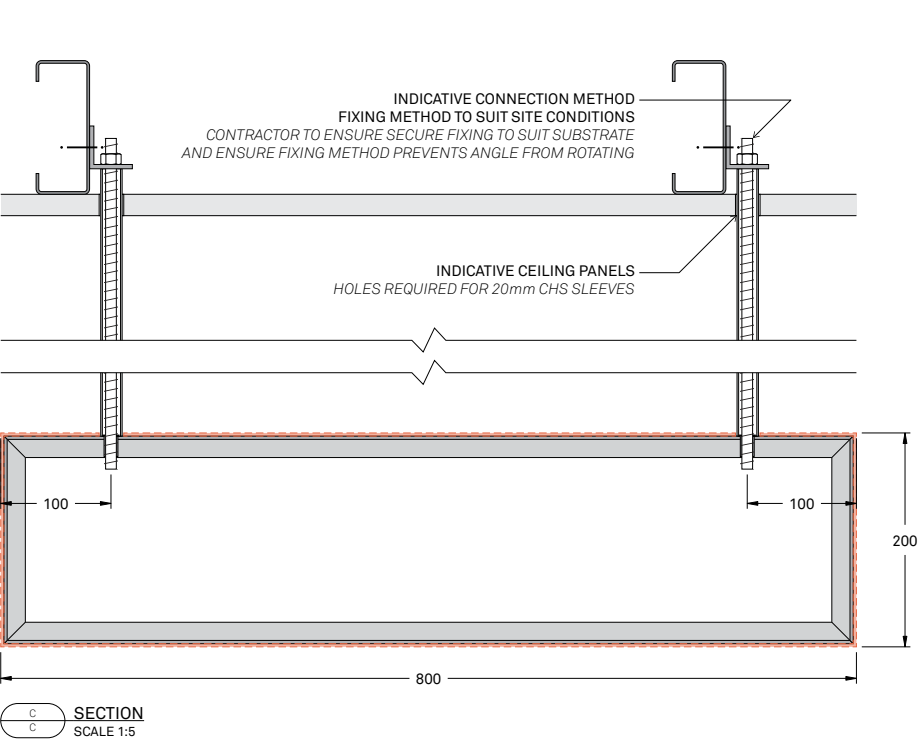


**FRONT VIEW**  
SCALE 1:5

SECTION A SECTION B



**SIDE VIEW**  
SCALE 1:5





3D VIEW  
NOT TO SCALE

**SIGN FACE**

FABRICATED ALUMINIUM PANELS  
OVER INTERNAL FRAME  
FINISH: P1, P3 OR P7

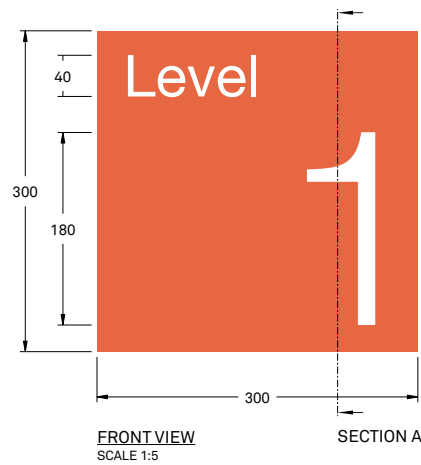
**CONTENT**

COMPUTER CUT VINYL (UNDER CLEAR COAT)  
FINISH: V05

REFER TO ARTWORK FILES FOR TYPICAL GRAPHIC LAYOUT



TYPICAL SIGN IN SITU  
SCALE 1:25



FRONT VIEW  
SCALE 1:5

SECTION A

SECTION B



SIDE VIEW  
SCALE 1:5



3D VIEW  
NOT TO SCALE

**SIGN FACE**  
FABRICATED ALUMINIUM PANELS  
OVER INTERNAL FRAME  
FINISH TO MATCH: CSU GREEN BRAND COLOURS

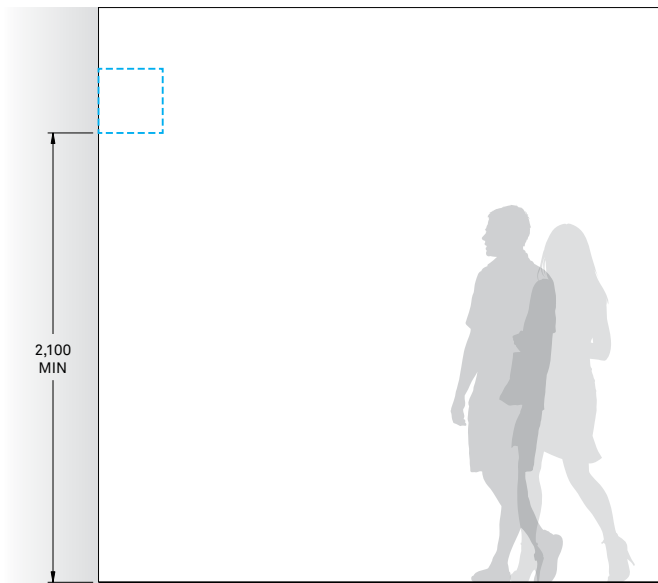
**CONTENT**  
COMPUTER CUT VINYL (UNDER CLEAR COAT)  
FINISH: V05

ARTWORK FILES TO BE SUPPLIED BY CSU IN NEW SIZE FORMAT

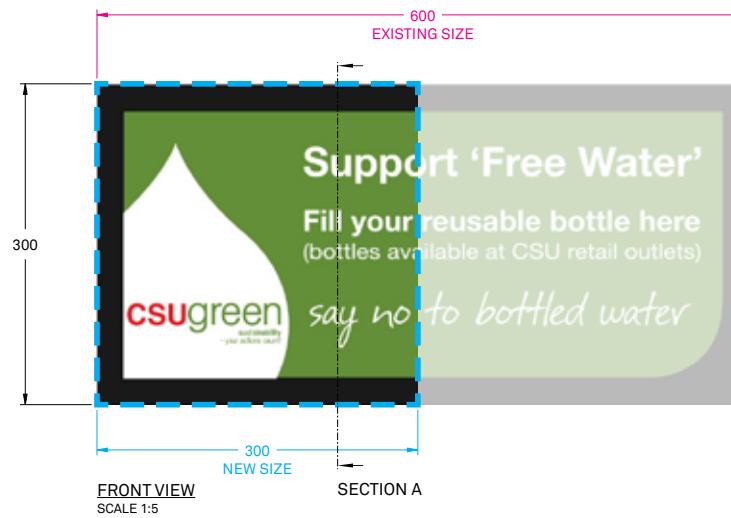
### REDESIGN OF SIGN REQUIRED PRIOR TO FUTURE IMPLEMENTATION

#### Recommendations:

- Standardise sign size to align with 300x300mm
- Update graphic layout to fit new proportions
- Increase cap height of content to aid legibility
- Incorporate 'CSU Green' brand colours and style



TYPICAL SIGN IN SITU  
SCALE 1:25



FRONT VIEW  
SCALE 1:5

SECTION A

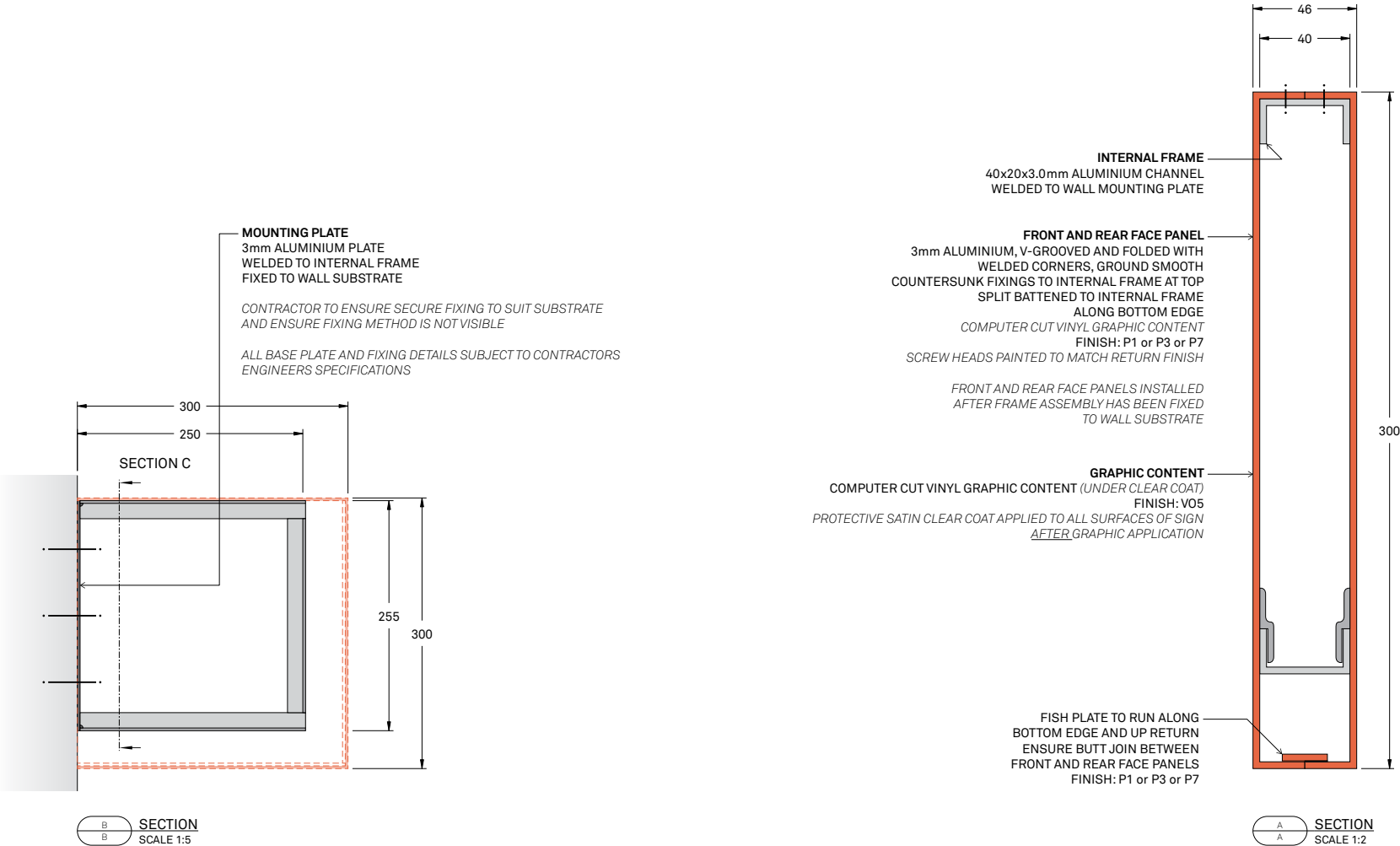
SECTION B



SIDE VIEW  
SCALE 1:5

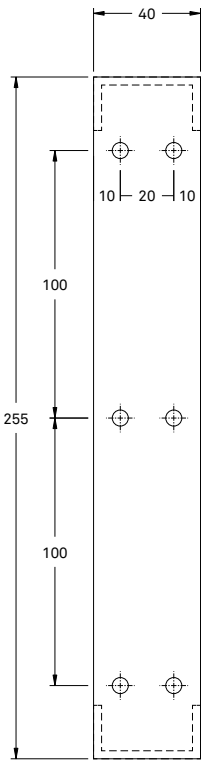


Identification cantilevered  
Cantilevered  
Double sided  
Non-illuminated



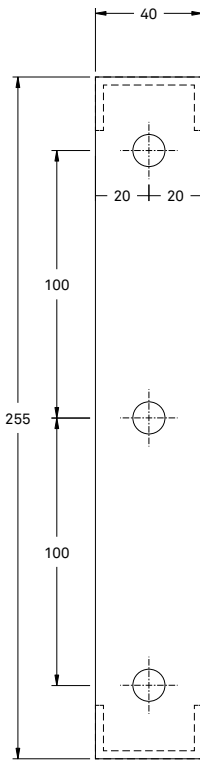


Identification cantilevered  
Cantilevered  
Double sided  
Non-illuminated



SECTION  
SCALE 1:2

CONNECTION DETAILS INTO STEEL SUBSTRATE  
MOUNTING PLATE: 3mm ALUMINIUM  
FIXINGS: 6x ST6.3(14) FIXINGS



SECTION  
SCALE 1:2

CONNECTION DETAILS INTO  
CONCRETE AND MASONRY SUBSTRATES  
MOUNTING PLATE: 3mm ALUMINIUM  
FIXINGS: 3x M8 ANKA SCREWS



3D VIEW  
NOT TO SCALE

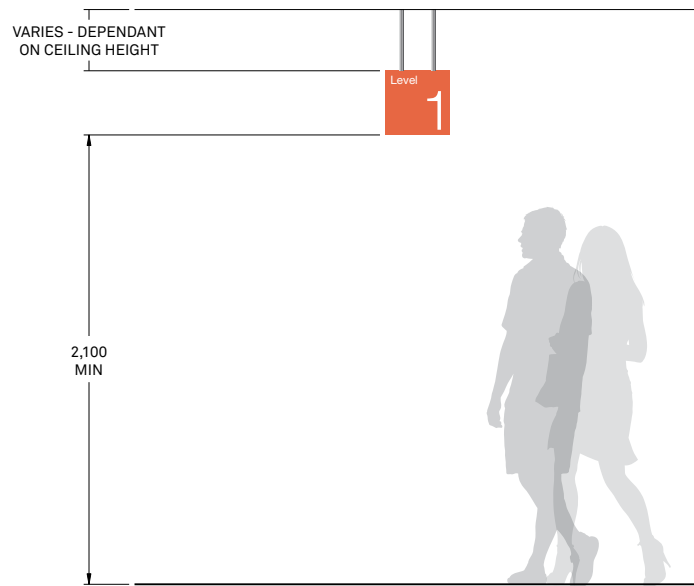
**SIGN FACE**

FABRICATED ALUMINIUM PANELS  
OVER INTERNAL FRAME  
FINISH: P1

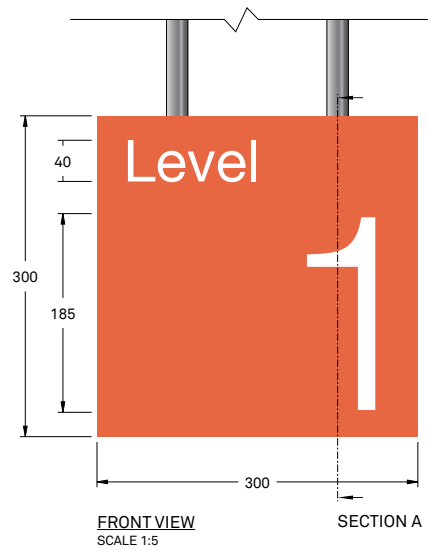
**CONTENT**

COMPUTER CUT VINYL (UNDER CLEAR COAT)  
FINISH: V05

REFER TO ARTWORK FILES FOR TYPICAL GRAPHIC LAYOUT

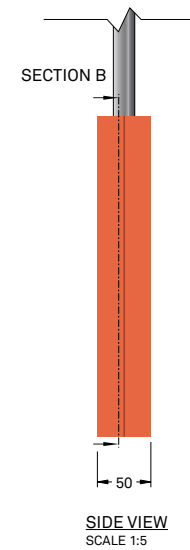


TYPICAL SIGN IN SITU  
SCALE 1:25



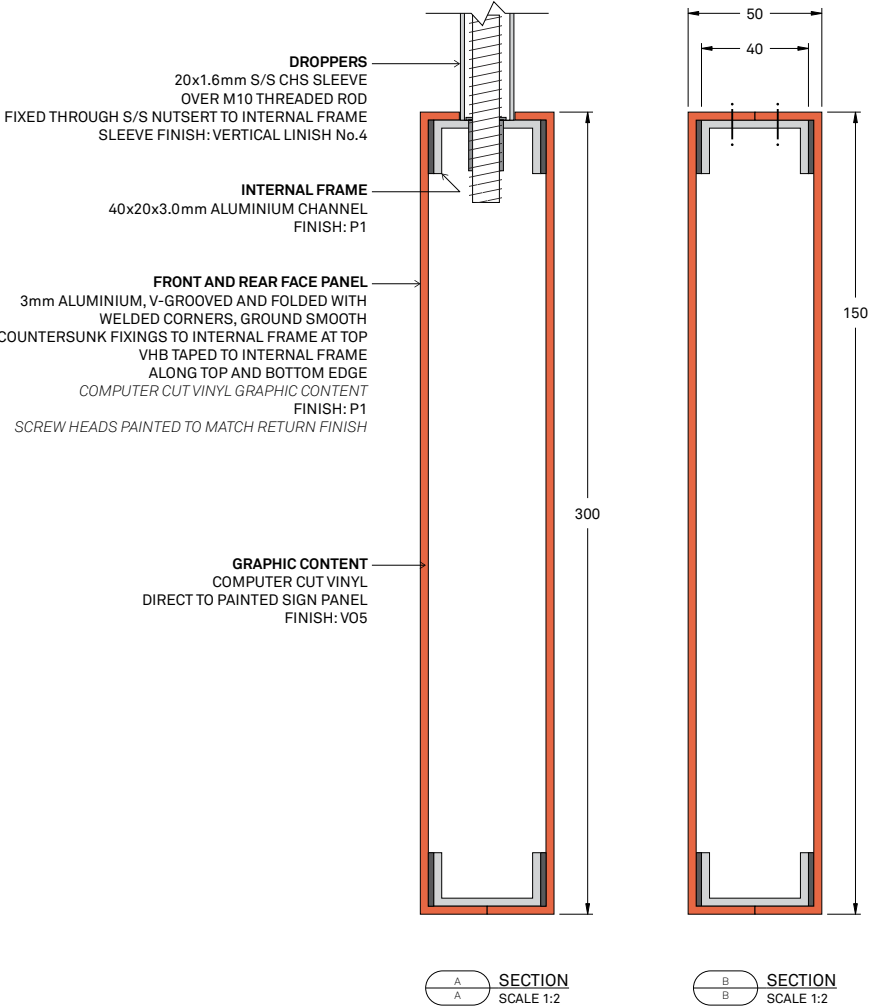
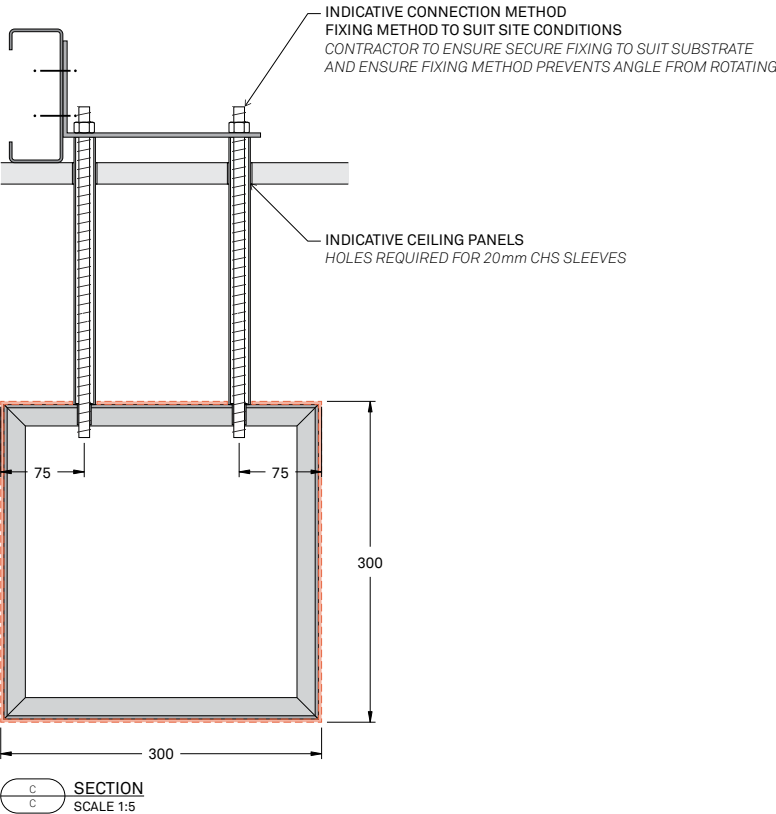
FRONT VIEW  
SCALE 1:5

SECTION A



SIDE VIEW  
SCALE 1:5



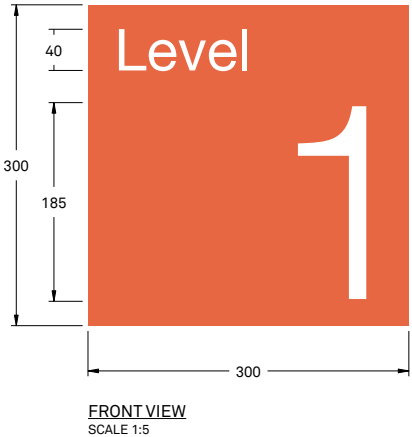
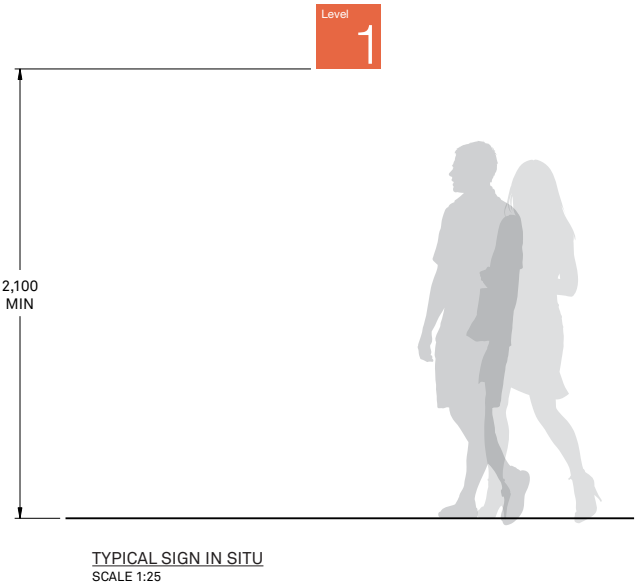
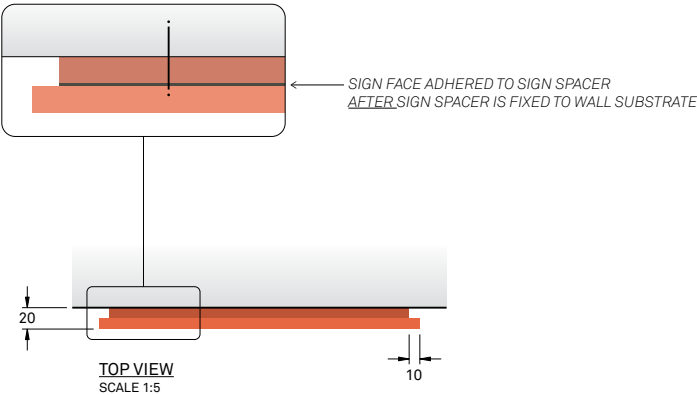


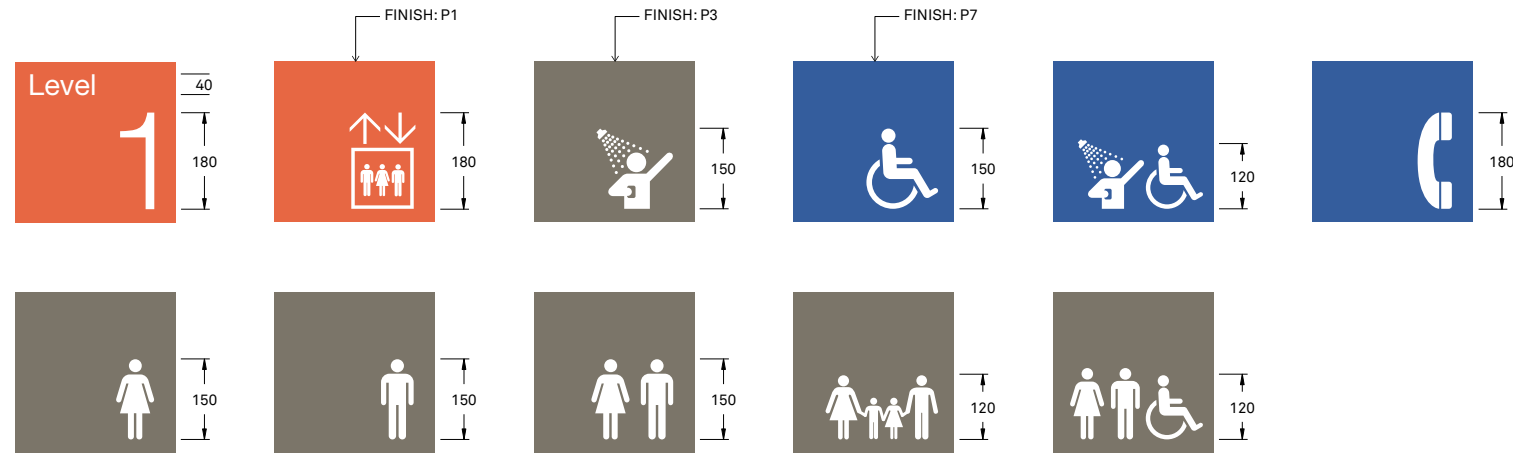
**SIGN FACE**  
10mm ACRYLIC PANEL  
VHB TAPED AND SILICONE FIXED TO SPACER PANEL  
FINISH: P1  
CONTRACTOR TO ENSURE SECURE ADHESION TO SUIT SUBSTRATE  
AND ENSURE ADHESION METHOD IS NOT VISIBLE

**SIGN SPACER**  
10mm ACRYLIC SPACER PANEL  
10mm INSET ALL AROUND  
FINISH: P1  
SPACER MECHANICALLY FIXED TO EXISTING WALL SUBSTRATE  
WITH COUNTERSUNK FIXINGS LOCATED UNDER SIGN FACE  
CONTRACTOR TO ENSURE SECURE FIXING TO SUIT SUBSTRATE  
AND ENSURE FIXING METHOD IS NOT VISIBLE

**CONTENT**  
COMPUTER CUT VINYL (UNDER CLEAR COAT)  
FINISH: V05

REFER TO ARTWORK FILES FOR TYPICAL GRAPHIC LAYOUT



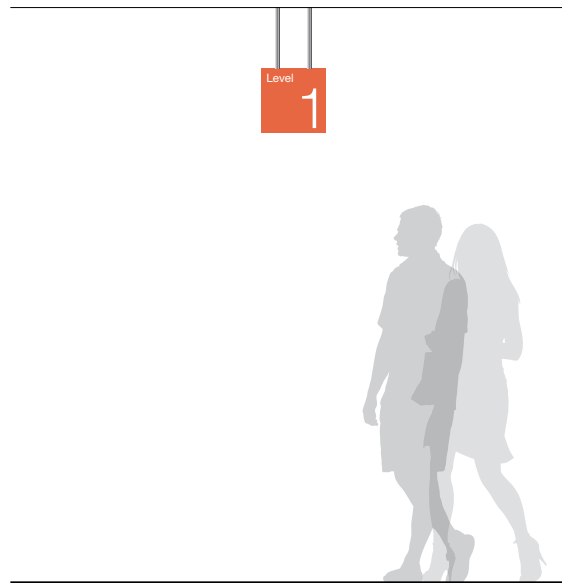


ALTERNATE LAYOUTS  
SCALE 1:10

- IDC** Identification cantilevered  
Cantilevered  
Double sided  
Non-illuminated
- IDS** Identification suspended  
Suspended  
Double sided  
Non-illuminated
- IDW** Identification wall mounted  
Wall mounted  
Single sided  
Non-illuminated



TYPICAL SIGN IN SITU IDC  
SCALE 1:25



TYPICAL SIGN IN SITU IDS  
SCALE 1:25



TYPICAL SIGN IN SITU IDW  
SCALE 1:25

**SIGN FACE** (INTERCHANGEABLE - IN FRAME)  
SIGNLINK 'AVANT GARDE' WALL PANEL RANGE  
FRAME FINISH: NATURAL ANODISED  
WITH MAGNET BACKED INTERCHANGEABLE ALUMINIUM PANELS  
PANEL FINISH: P1 (TOP PANEL ONLY - LOWER PANELS VINYL WRAP)

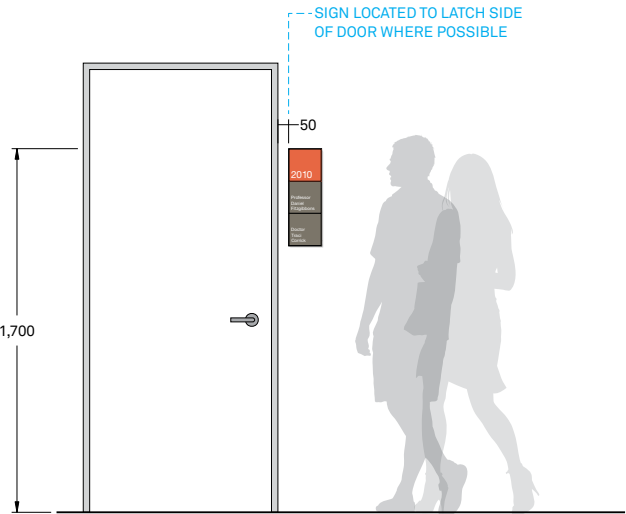
**ROOM ID** (TOP PANEL)  
COMPUTER CUT VINYL GRAPHIC CONTENT (UNDER CLEAR COAT)  
FINISH: V05  
PROTECTIVE SATIN CLEAR COAT APPLIED TO ALL SURFACES OF SIGN  
AFTER GRAPHIC APPLICATION

**ROOM CONTENT** (LOWER PANELS)  
DIGITAL PRINT DIRECT TO VINYL  
VINYL TO WRAP RETURNS ONTO REAR OF EACH PANEL  
TO MATCH FINISH: DARK BROWN, WHITE

REFER TO ARTWORK FILES FOR TYPICAL GRAPHIC LAYOUT

**FIXING**  
PANEL VHB TAPED AND SILICONE FIXED  
DIRECT TO WALL / GLAZING\* SUBSTRATE  
CONTRACTOR TO ENSURE SECURE ADHESION TO SUIT SUBSTRATE  
AND ENSURE ADHESION METHOD IS NOT VISIBLE

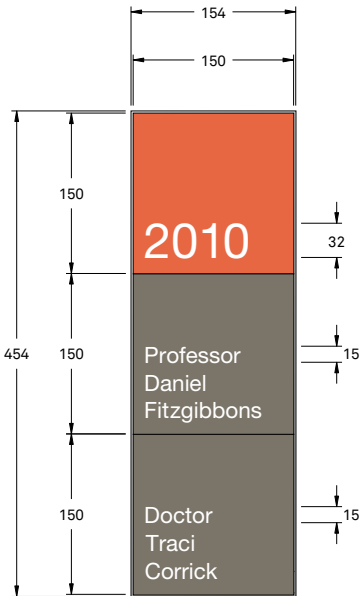
\*VINYL BACKING TO REAR OF SIGN WHEN MOUNTED ON GLAZING  
TO CONCEAL ADHESION METHOD  
FINISH: DIGITAL PRINT TO MATCH 'DARK BROWN' DIRECT TO VINYL



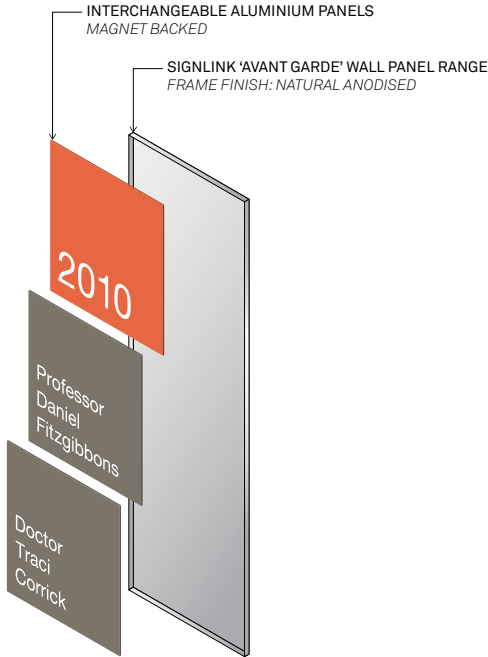
TYPICAL SIGN IN SITU  
SCALE 1:25



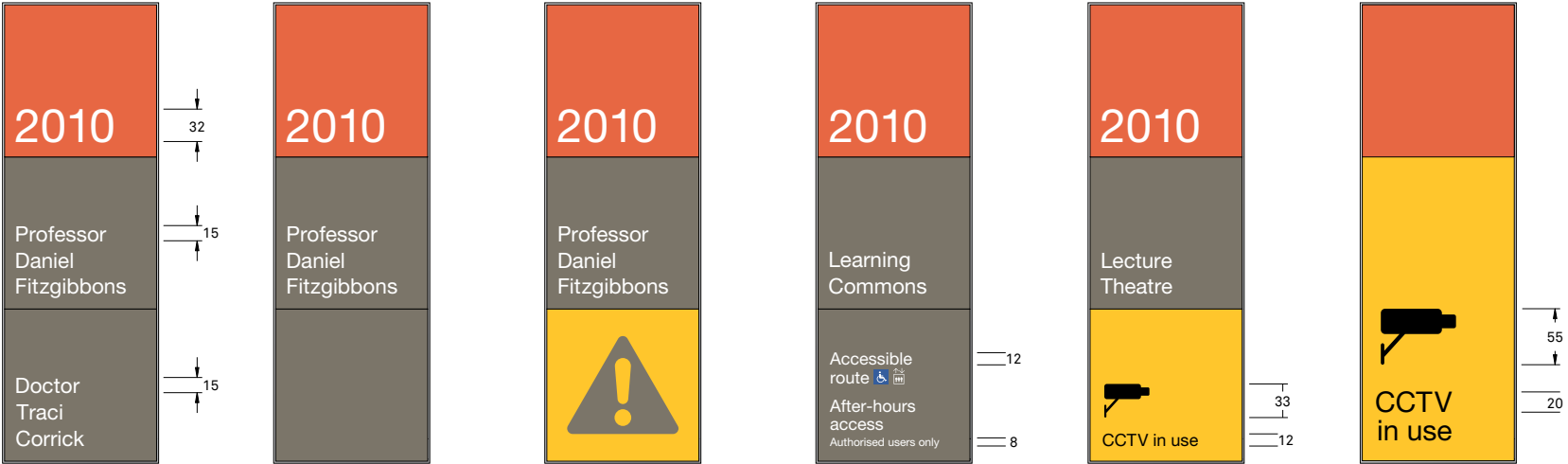
TOP VIEW  
SCALE 1:5



FRONT VIEW  
SCALE 1:5



TYPICAL EXPLODED VIEW  
SCALE 1:5



ALTERNATE LAYOUTS  
SCALE 1:5

**SIGN FACE**

3mm ALUMINIUM PANEL (STATIC - NO FRAME)  
FINISH: P1

**ROOM ID**

COMPUTER CUT VINYL GRAPHIC CONTENT (UNDER CLEAR COAT)  
FINISH: V05  
PROTECTIVE SATIN CLEAR COAT APPLIED TO ALL SURFACES OF SIGN  
AFTER GRAPHIC APPLICATION

REFER TO ARTWORK FILES FOR TYPICAL GRAPHIC LAYOUT

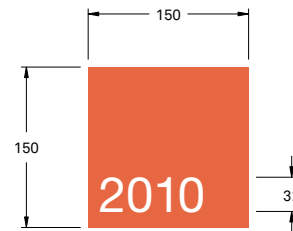
**FIXING**

PANEL VHB TAPED AND SILICONE FIXED  
DIRECT TO WALL / GLAZING\* SUBSTRATE  
CONTRACTOR TO ENSURE SECURE ADHESION TO SUIT SUBSTRATE  
AND ENSURE ADHESION METHOD IS NOT VISIBLE

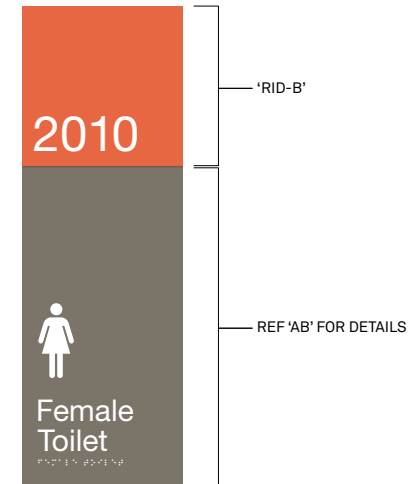
\*VINYL BACKING TO REAR OF SIGN WHEN MOUNTED ON GLAZING  
TO CONCEAL ADHESION METHOD  
FINISH: DIGITAL PRINT TO MATCH 'LIGHT ORANGE' DIRECT TO VINYL



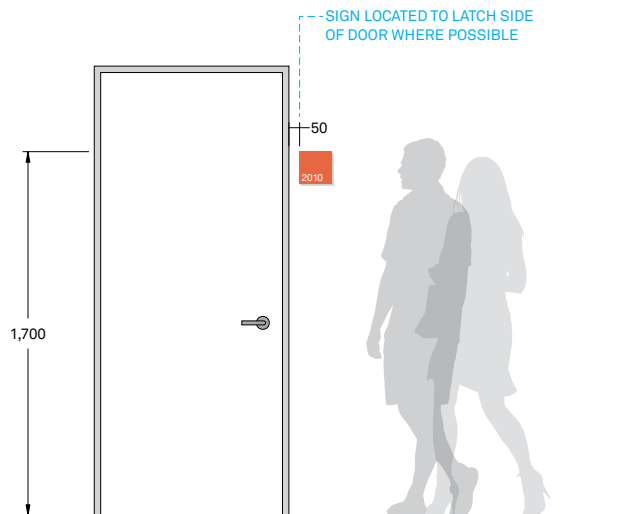
**TOP VIEW**  
SCALE 1:5



**FRONT VIEW**  
SCALE 1:5



**SIGN LOCK UP EXAMPLE WITH AMENITIES**  
SCALE 1:5



**TYPICAL SIGN IN SITU**  
SCALE 1:25

**SIGN FACE**  
2mm ALUMINIUM PANELS  
FINISH: P3 OR P7

**CONTENT**  
RAISED TACTILE GRAPHICS AND BRAILLE

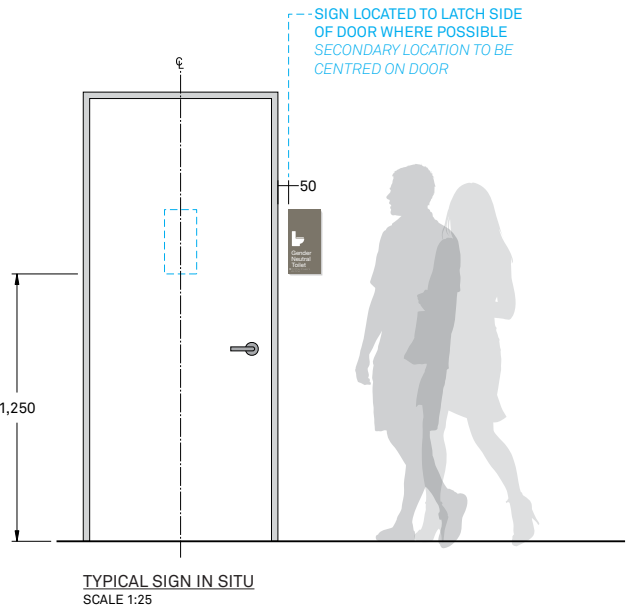
REFER TO ARTWORK FILES FOR TYPICAL GRAPHIC LAYOUT

**FIXING**  
PANEL VHB TAPED AND SILICONE FIXED  
DIRECT TO WALL / DOOR SUBSTRATE  
CONTRACTOR TO ENSURE SECURE ADHESION TO SUIT SUBSTRATE  
AND ENSURE ADHESION METHOD IS NOT VISIBLE

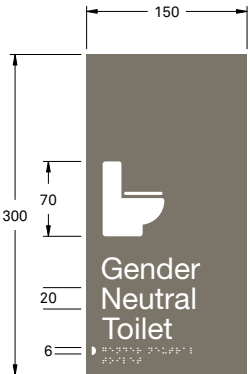
CONTRACTOR TO ENSURE SIGNAGE CONFORMS  
TO THE AUSTRALIAN STANDARDS, BUILDING AND  
CONSTRUCTION CODES.



ALTERNATE LAYOUTS  
SCALE 1:5

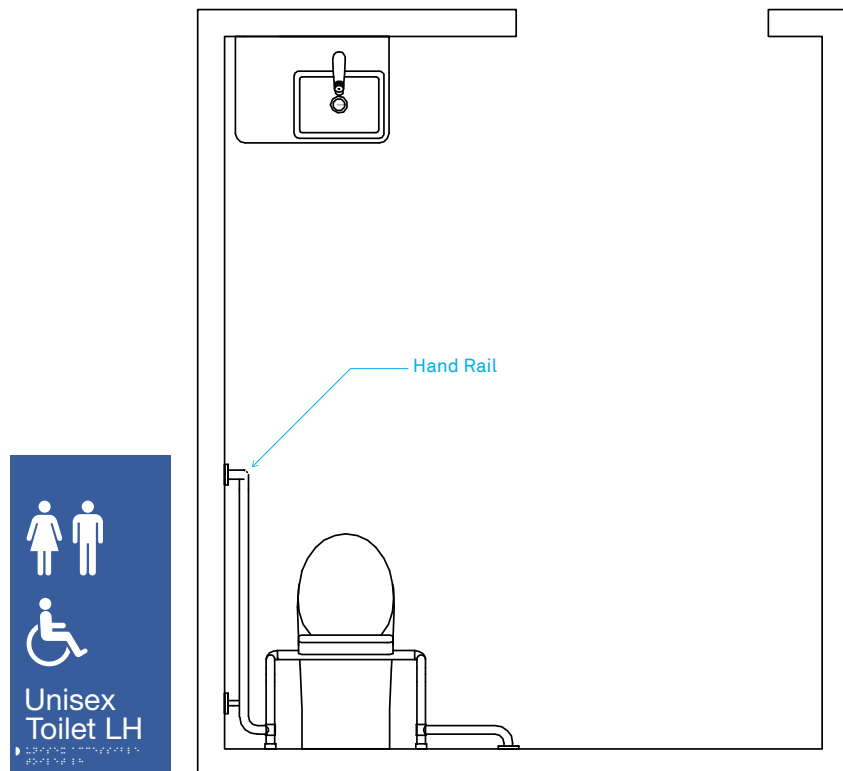


TOP VIEW  
SCALE 1:5



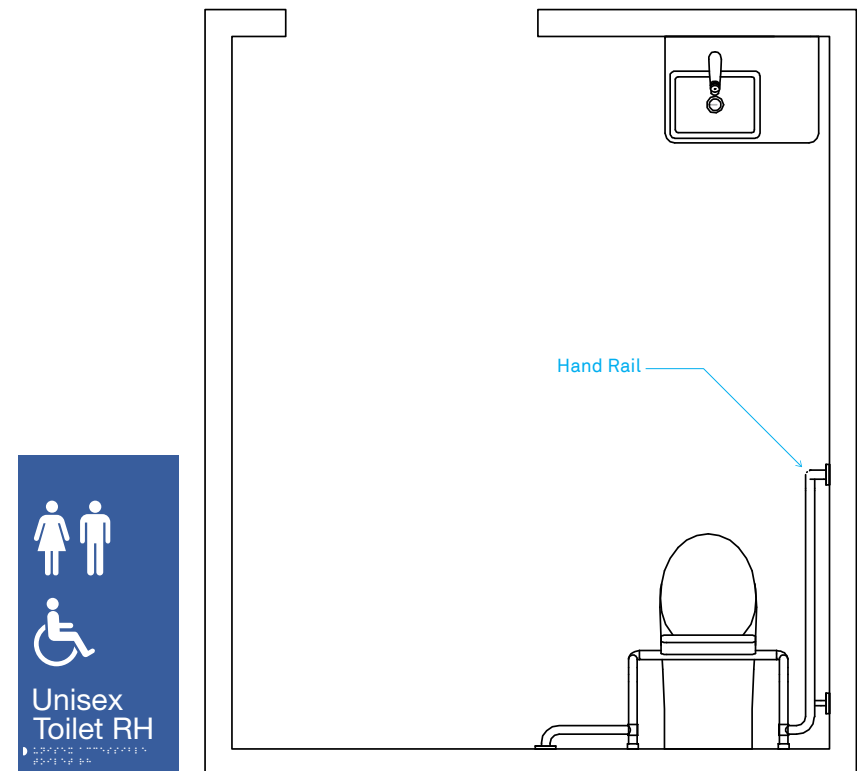
FRONT VIEW  
SCALE 1:5

## LH - Unisex Accessible Toilet



Example of a Left Hand Transfer Unisex Accessible Toilet.  
Hand Rail is on the Left Hand side when seated on the toilet.  
Sign requires an 'LH'.

## RH - Unisex Accessible Toilet



Example of a Right Hand Transfer Unisex Accessible Toilet.  
Hand Rail is on the Right Hand side when seated on the toilet.  
Sign requires an 'RH'.





Exit braille  
Wall mounted  
Single sided  
Non-illuminated

**SIGN FACE**  
2mm ALUMINIUM PANEL  
FINISH: P3

**CONTENT**  
RAISED TACTILE GRAPHICS AND BRAILLE

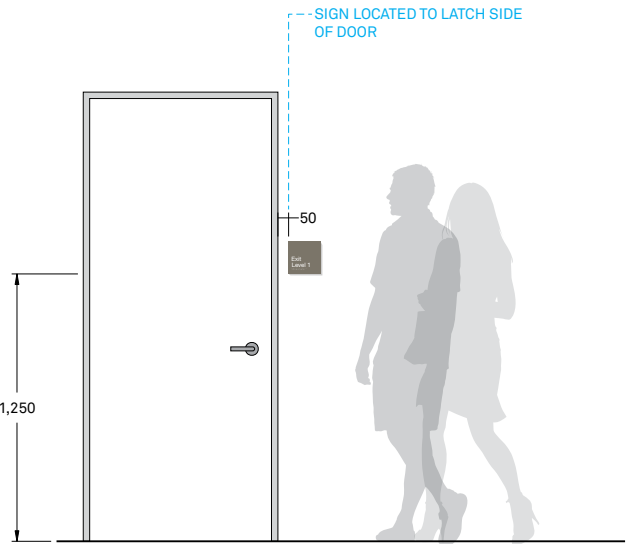
REFER TO ARTWORK FILES FOR TYPICAL GRAPHIC LAYOUT

**FIXING**  
PANEL VHB TAPED AND SILICONE FIXED  
DIRECT TO WALL SUBSTRATE  
CONTRACTOR TO ENSURE SECURE ADHESION TO SUIT SUBSTRATE  
AND ENSURE ADHESION METHOD IS NOT VISIBLE

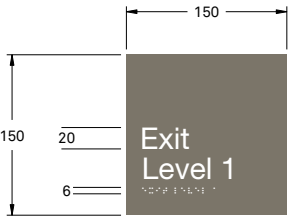
CONTRACTOR TO ENSURE SIGNAGE CONFORMS  
TO THE AUSTRALIAN STANDARDS, BUILDING AND  
CONSTRUCTION CODES.



**TOP VIEW**  
SCALE 1:5



**TYPICAL SIGN IN SITU**  
SCALE 1:25



**FRONT VIEW**  
SCALE 1:5

**SIGN FACE**

2mm ALUMINIUM PANEL  
 FINISH: CLEAR ANODISED ALUMINIUM  
 WITH HORIZONTAL LINISH TO MATCH EXISTING STATUTORY SIGNAGE

**CONTENT**

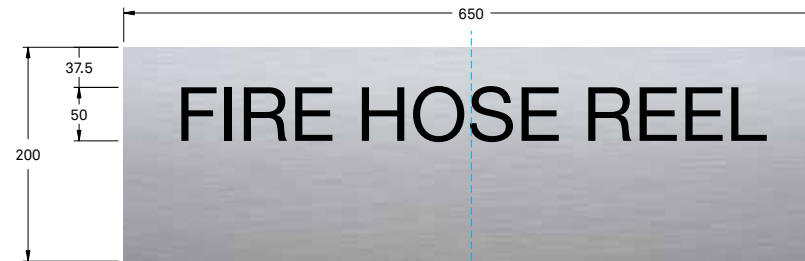
COMPUTER CUT VINYL GRAPHIC CONTENT (UNDER CLEAR COAT)  
 FINISH: V08  
 PROTECTIVE SATIN CLEAR COAT APPLIED TO ALL SURFACES OF SIGN  
 AFTER GRAPHIC APPLICATION

REFER TO ARTWORK FILES FOR TYPICAL GRAPHIC LAYOUT

**FIXING**

PANEL VHB TAPED AND SILICONE FIXED  
 DIRECT TO DOOR SUBSTRATE  
 CONTRACTOR TO ENSURE SECURE ADHESION TO SUIT SUBSTRATE  
 AND ENSURE ADHESION METHOD IS NOT VISIBLE

CONTRACTOR TO ENSURE SIGNAGE CONFORMS  
 TO THE AUSTRALIAN STANDARDS, BUILDING AND  
 CONSTRUCTION CODES.

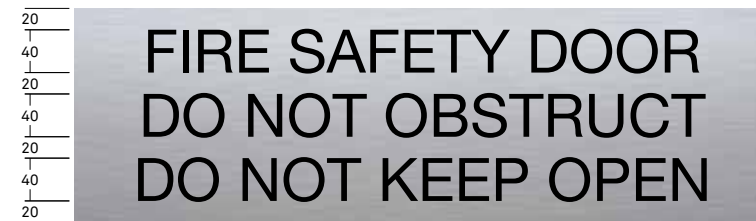


FRONT VIEW - 50mm SINGLE LINE  
 SCALE 1:5

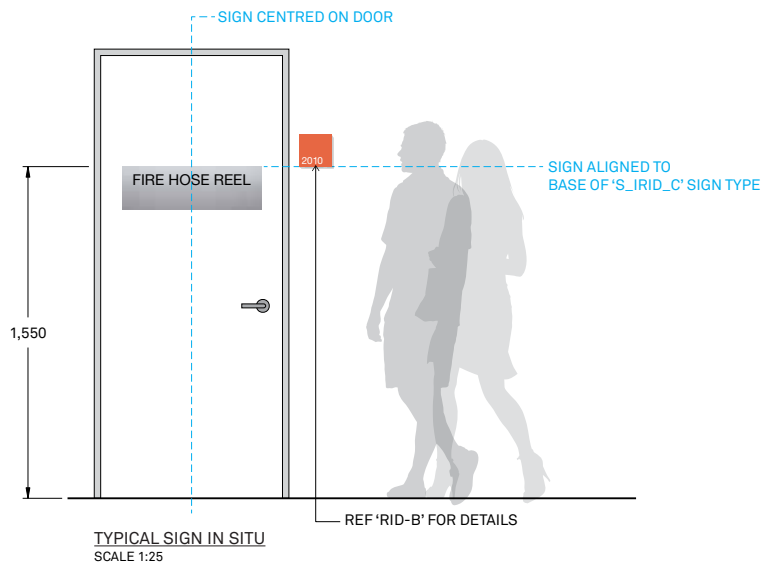
-- ALL GRAPHICS CENTRED ON PANEL



FRONT VIEW - 50mm DOUBLE LINES  
 SCALE 1:5



FRONT VIEW - 40mm MULTIPLE LINES  
 SCALE 1:5





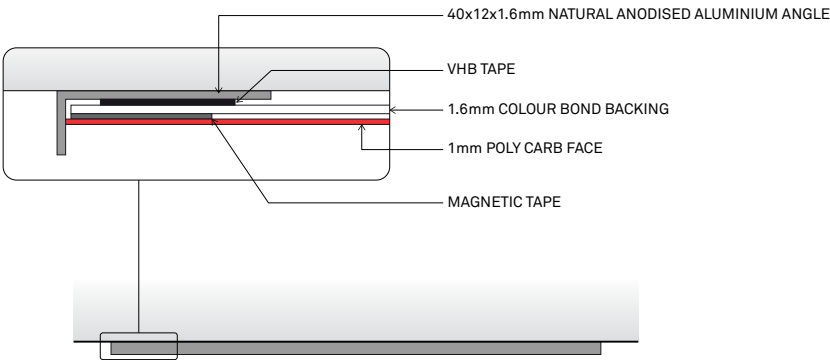
Evacuation diagram  
Wall mounted  
Single sided  
Non-illuminated

**SIGN FACE**  
1mm POLY CARB FACE  
RED DIGITAL PRINT TO REAR FACE  
MAGNETIC TAPE ADHERED TO REAR SIDE  
CONTRACTOR TO ENSURE SECURE ADHESION  
AND ENSURE MAGNETIC TAPE IS NOT VISIBLE

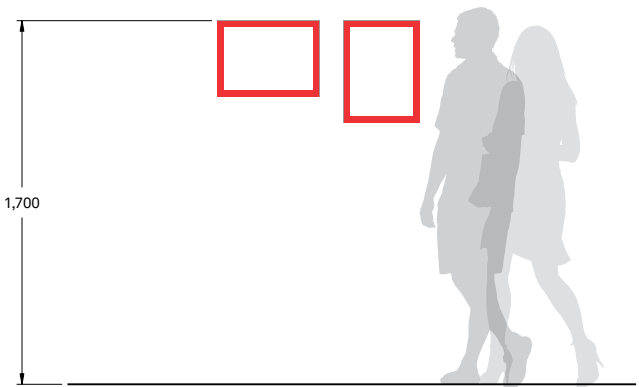
**SIGN FRAME**  
40x12x1.6mm NATURAL ANODISED ALUMINIUM ANGLE  
1.6mm COLOUR BOND BACKING  
VHB TAPED TO ANGLE FRAME

FRAME MECHANICALLY FIXED TO EXISTING WALL SUBSTRATE  
WITH COUNTERSUNK FIXINGS LOCATED UNDER SIGN FACE  
CONTRACTOR TO ENSURE SECURE FIXING TO SUIT SUBSTRATE  
AND ENSURE FIXING METHOD IS NOT VISIBLE

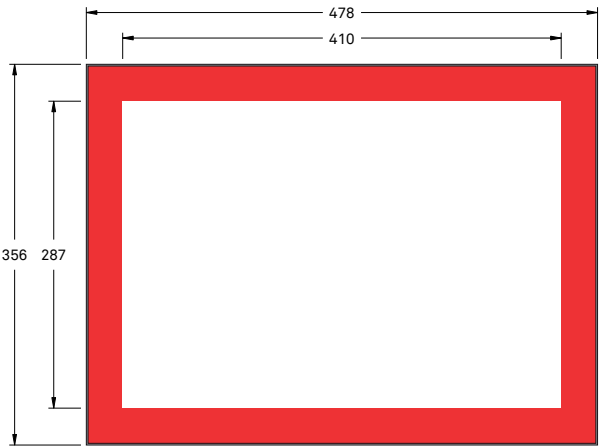
VISIBLE WINDOW TO DISPLAY A3 SIZE EVACUATION DIAGRAM  
WITH 5mm BLEED ALL AROUND



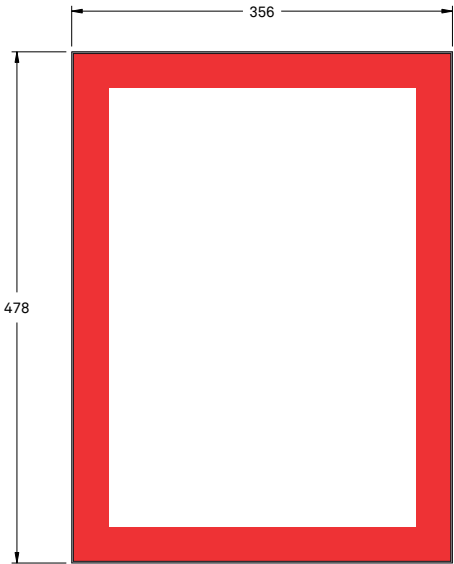
TOP VIEW  
SCALE 1:5



TYPICAL SIGN IN SITU  
SCALE 1:25



FRONT VIEW - LANDSCAPE ORIENTATION  
SCALE 1:5



FRONT VIEW - PORTRAIT ORIENTATION  
SCALE 1:5

**SIGN FACE**  
2mm ALUMINIUM PANEL  
FINISH: P7

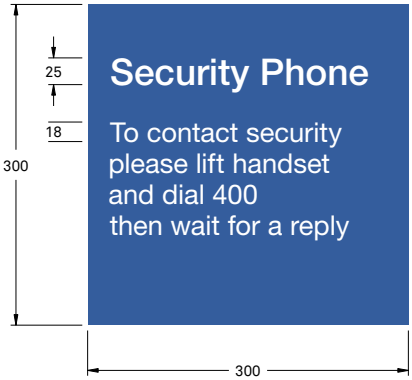
**CONTENT**  
COMPUTER CUT VINYL (UNDER CLEAR COAT)  
FINISH: V05

REFER TO ARTWORK FILES FOR TYPICAL GRAPHIC LAYOUT

**FIXING**  
PANEL VHB TAPED AND SILICONE FIXED  
DIRECT TO WALL SUBSTRATE  
CONTRACTOR TO ENSURE SECURE ADHESION TO SUIT SUBSTRATE  
AND ENSURE ADHESION METHOD IS NOT VISIBLE



TYPICAL SIGN IN SITU  
SCALE 1:25



FRONT VIEW  
SCALE 1:5



ALTERNATE LAYOUT  
SCALE 1:5



SIDE VIEW  
SCALE 1:5



Identification instruction  
Wall mounted  
Single sided  
Non-illuminated

**SIGN FACE**

2mm ALUMINIUM PANEL  
FINISH: P5

**CONTENT**

DIGITAL PRINT DIRECT TO VINYL  
VINYL TO WRAP RETURNS ONTO REAR OF SIGN FACE PANEL  
TO MATCH FINISH: DARK BROWN, WHITE

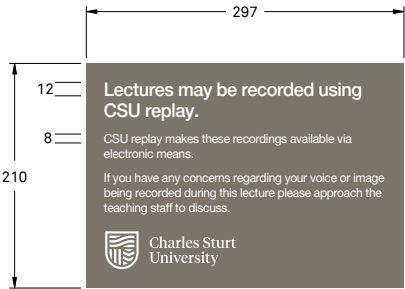
REFER TO ARTWORK FILES FOR TYPICAL GRAPHIC LAYOUT

**FIXING**

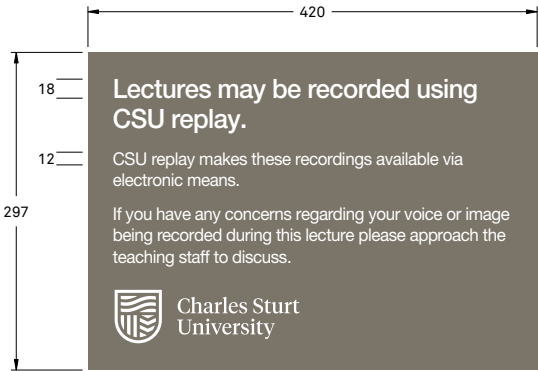
PANEL VHB TAPED AND SILICONE FIXED  
DIRECT TO WALL SUBSTRATE  
CONTRACTOR TO ENSURE SECURE ADHESION TO SUIT SUBSTRATE  
AND ENSURE ADHESION METHOD IS NOT VISIBLE



TYPICAL SIGN IN SITU  
SCALE 1:25



FRONT VIEW - A4 SIZE  
SCALE 1:5



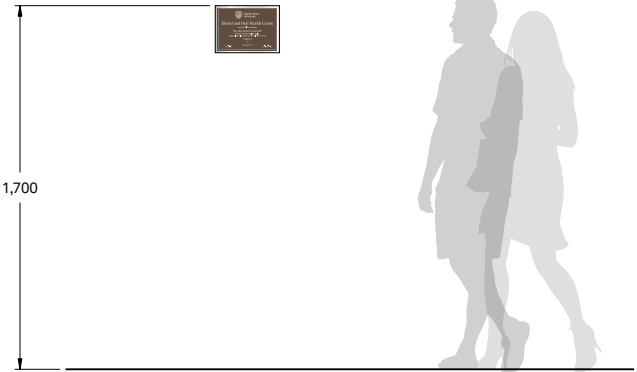
FRONT VIEW - A3 SIZE  
SCALE 1:5

**SIGN FACE**

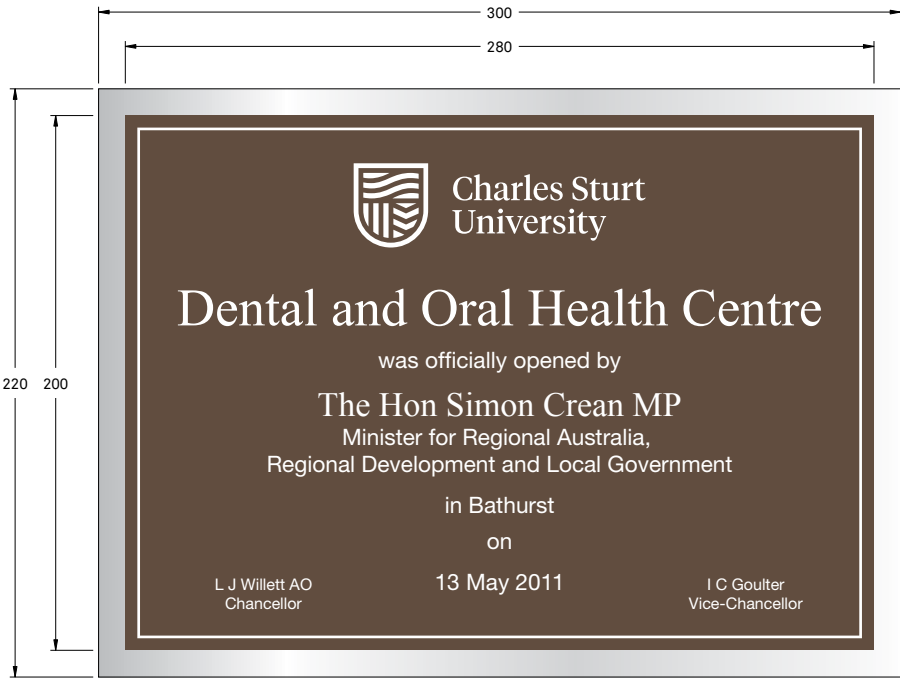
2mm BRONZE ANODISED ALUMINIUM  
LASER ENGRAVED CONTENT  
1.6mm NATURAL ANODISED ALUMINIUM BORDER  
BOTH PANELS VHB TAPED AND SILICONE FIXED TO BACKING PLATE  
CONTRACTOR TO ENSURE SECURE ADHESION TO SUIT SUBSTRATE  
AND ENSURE ADHESION METHOD IS NOT VISIBLE

**SIGN BACKING**

3mm ALUMINIUM BACKING PLATE  
PLATE MECHANICALLY FIXED TO EXISTING WALL SUBSTRATE  
WITH COUNTERSUNK FIXINGS LOCATED UNDER SIGN FACE  
CONTRACTOR TO ENSURE SECURE FIXING TO SUIT SUBSTRATE  
AND ENSURE FIXING METHOD IS NOT VISIBLE



TYPICAL SIGN IN SITU  
SCALE 1:25



FRONT VIEW  
SCALE 1:2

# 06

## Digital signage

Charles Sturt University digital signage	6.1
Digital signage standards	6.2
Digital signage requirements	6.3
Digital signage implementation process	6.4

# Charles Sturt University digital signage

Business units requiring a digital signage solution are to engage with the University's preferred digital signage partner to provision an appropriate solution to meet your requirements, based on the recommended solution below.

The preferred digital signage partner is that provider engaged by the Division of Information Technology to provide Audio-Visual (AV) solutions across the University.

## **Solution**

Business units will implement the 'Onelan' cloud based digital signage solution as supplied by ProAV solutions per the Digital Signage Implementation Process.

## **Backend Server and Software**

Cloud based solution. Externally hosted. Secure. Software licences and subscription based. Content stored in the cloud.

## **Digital Displays**

Commercial Grade Samsung (or equivalent). Sized to suit business unit requirements. Network attachable. Digital Displays will have an aspect ratio of 16:9.

## **Digital Players**

Commercial Grade. Network Attachable. HDMI interface. HTML5 compliant.

## **Content**

Business units will develop and manage and are responsible for content. Charles Sturt University Branding guidelines and the Branding and Temporary Signage Guideline will be adhered to. Content will be designed to optimise the display's 16:9 aspect ratio.



# Digital signage standards

Digital signage is a form of electronic display that shows content such as television programs, menus, information and other messages commonly found in public and private environments such as retail stores, transport facilities, education and entertainment facilities.

Digital signage content is usually controlled by personal computer or via servers by way of proprietary software programs.

Digital Signage can be used for purposes, including but not limited to:

- Public Information – news, weather and local information, etc.
- Internal Information – corporate messages, emergency and WH&S messages, student and staff announcements etc.
- Advertising – upcoming social events, scholarships, new appointments, etc.
- Brand Building – University identity, market brand, etc.
- Menu Information – pricing information at food outlets, nutritional information, etc.
- Influence staff and student behaviour – giving directions, etc.
- Enhancing staff and student experience – provide information to occupy individuals during wait time.
- Enhancing the Environment – integration of displays into the design of the space to provide display information that enhances the space.

# Digital signage requirements

## Displays

Digital Signage Displays are different to ordinary flat panel monitors and regular televisions. They are designed to run 24x7, with appropriate power management and cooling fans, bright displays for high visibility and may contain internal media players and have a network interface.

Charles Sturt Digital Signage Displays shall have the following features:

- Faster Ethernet Interface, preferably with SNMP management.
- Less than 1w Power Consumption on standby, support for power Off/On of display from management software, scheduled or manually.
- 178° / 178° Viewing Angle (H / V)
- Minimum 5000 lumens to enable images to be seen in brightly lit or sunlit areas.
- Built-in temperature management.
- Internal speakers.
- HDMI input.
- Ability to be configured in a tiled wall configuration.
- Ability to integrate an interactive kiosk.

## Media players

Charles Sturt Digital Signage Media Players shall have the following features:

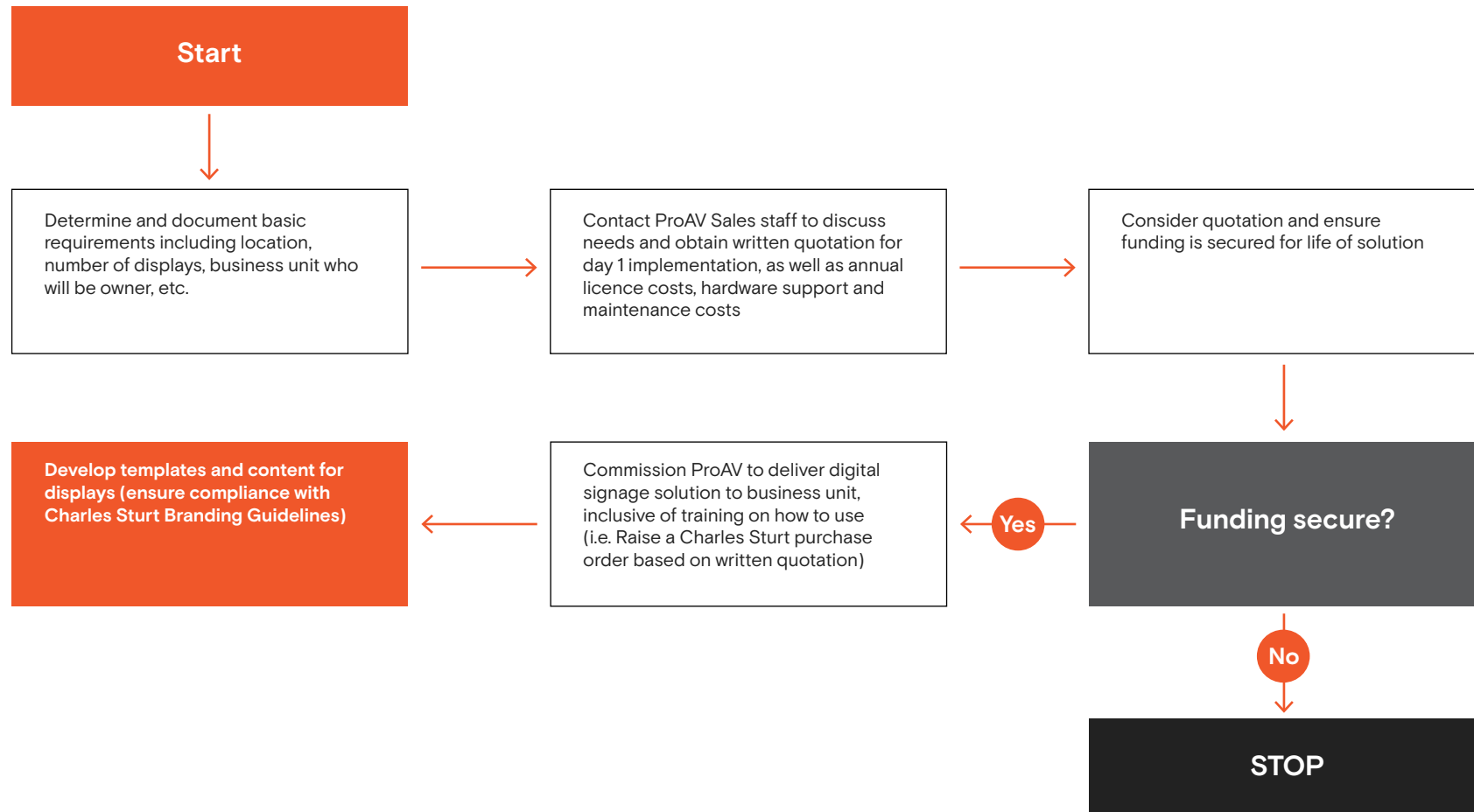
- Ability to support multiple frames/channels;
- Network QOS support
- Support DHCP
- HDMI connectivity
- Secure Mountable
- Local storage & Streaming support.

## Installation

Installation of Digital Displays will adhere to the following:

- Be affixed using a theft proof mount to support display weight;
- Mount sized correctly for display weight and fixed correctly to support combined display and display mount weight;
- Be mounted to avoid impacting the operation of doors, windows, emergency and exit lighting, fire detection and suppression and emergency equipment.
- Displays and associated equipment shall not impinge on building ingress/egress or disability access paths and facilities.
- Provide at least one dual 240V GPO located behind mount;
- Provide at least one dual Network point located behind mount;
- Avoid areas of high ambient light;
- Provide for adequate ventilation for heat dispersion.
- Include adequate weather protection for the power and network connections (installation by qualified tradespeople only) and protection from rain and other water sources for the display in accordance with the manufacturer's IP rating for the equipment.
- Power and network cabling changes are to be noted and services drawing adjusted to incorporate the power and network alterations and/or additions.
- Sight lines shall be considered when determining where to mount screens to help catch attention of viewers.
- Displays shall be mounted to reduce glare from the screen and/or reflected glare from windows and light sources.

## Digital signage implementation process





# 07 Agrisciences Business Park





Charles Sturt  
University