

James Cook University Campus Wayfinding Package

Stage 1: Schematic Design
Stage 2: Design Development
Stage 3: Site Documentation
Stage 4: Signage Manual

Issue 2 March 2011

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Introduction

A strategic start.

The objective of these design guideline is to make the University precinct more legible and welcoming to visitors and the University community, with the use of a benchmark wayfinding system, that clearly communicates the correct information in the right location.

This system will provide for a broad range of users to navigate the facility with ease, moving directly from A to B to C.

Beyond a family of signs, the Wayfinding package addresses the unique nature of the University, and will form a framework to create a highly legible University Precinct for now and the future. The system is directly aligned with the University masterplan and has followed design direction outlined within the design guidelines

Philosophy

Clear, Simple, Direct.

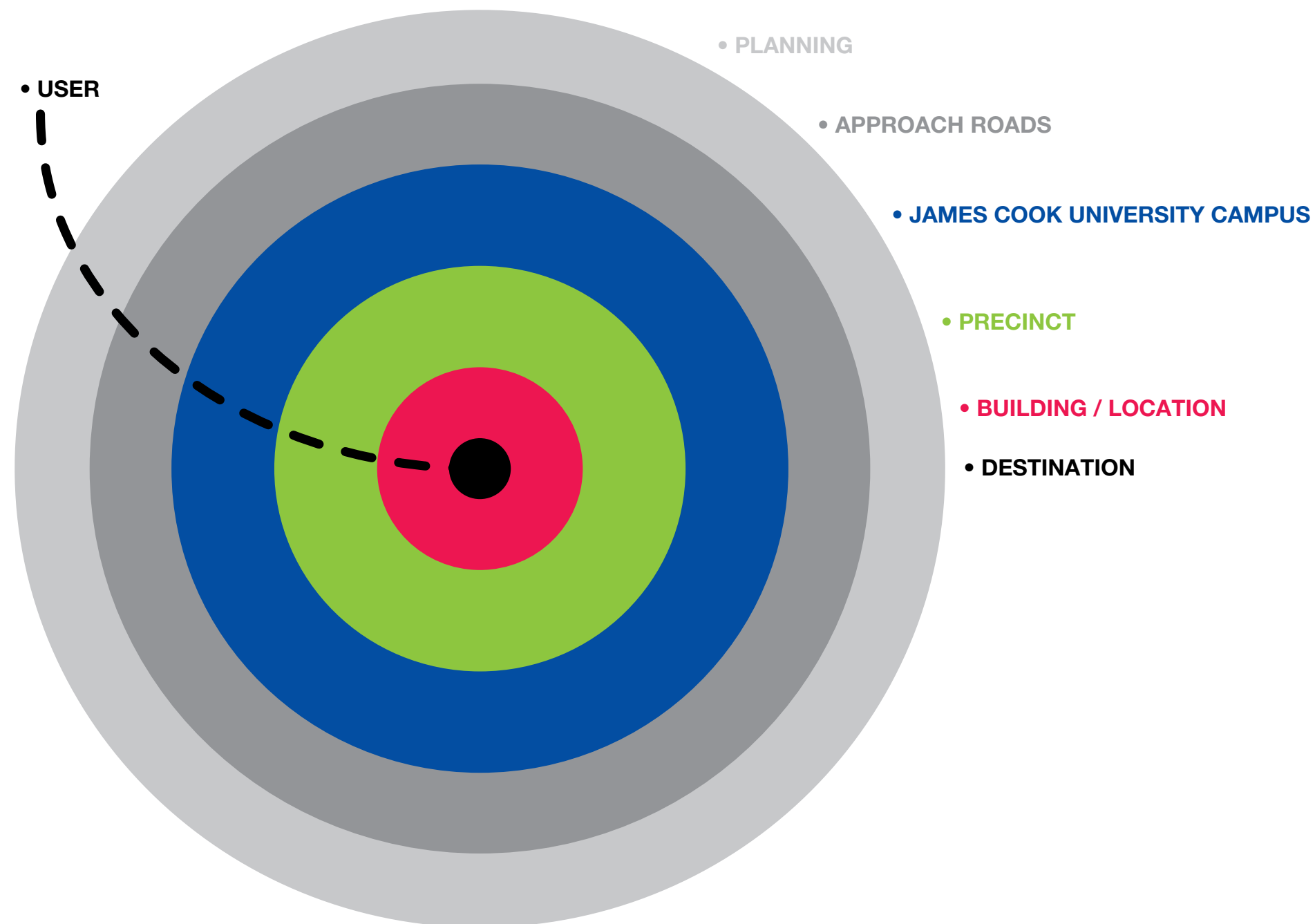
How do we find our way?

The way in which we make our way to our destination relies on a natural progression from the general to the specific. Country, State, City, locality, street, building, and finally room.

Throughout the journey we look for a confirmation of fact we are travelling in the right direction. This is presented traditionally as a system of signs and landmarks.

Wayfinding principles

Which model to use?	Precinct Model	Primary design considerations
<p>Outlined in this document are the principles behind the wayfinding strategy.</p> <ol style="list-style-type: none">1. Key user group identification2. User Journey mapping and analysis3. Journey processes and considerations4. Strategy type	<p>The wayfinding model is based upon many criteria, such as the arrangement of buildings and facilities, the use / purpose of the facilities, geographical layout and environment. The original site masterplan and future masterplan of the site were all reviewed in order to determine this list of criteria.</p> <p>A precinct model is the most suitable, including the major loop road with small side roads, distinctive group of common educational schools / faculties and the associated facilities. Also worth noting is that there is a current lack of easily discernible landmarks to use for navigational purposes.</p>	<ul style="list-style-type: none">• Site type / model• Functionality• Flexibility of application and of change• Personality (Tropical North Queensland)• DDA (Qld Government Wayfinding Design Guidelines 2007)• Typography• Colour• Branding• Technology



Journey principle:

Strategy

- The system of navigation used for JCU campuses will be primarily by 'PRECINCTS'.
- LANDMARKS within certain precincts will also be highlighted as destinations.

Planning

- Use of on-line web based Campus maps, mail out orientation packs and street directories will assist first time visitors to the site. Key points to communicate are addresses and main roads.

Approach Roads

- Off Campus signage coordinated with local authorities. Utilising road signs, overhead banners and road side flags. Branding or JCU colours could be integrated into standard road signs.

James Cook University

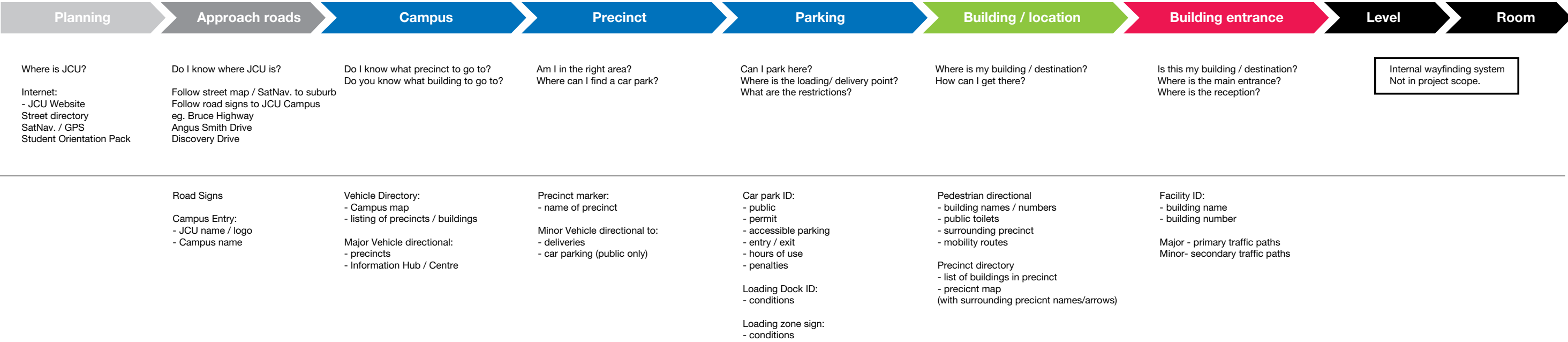
- Highlighted entry points creating a sense of arrival. A key location to communicate brand personality and to orientate users. Vehicle directory is a crucial element to communicate the precinct locations and directions.

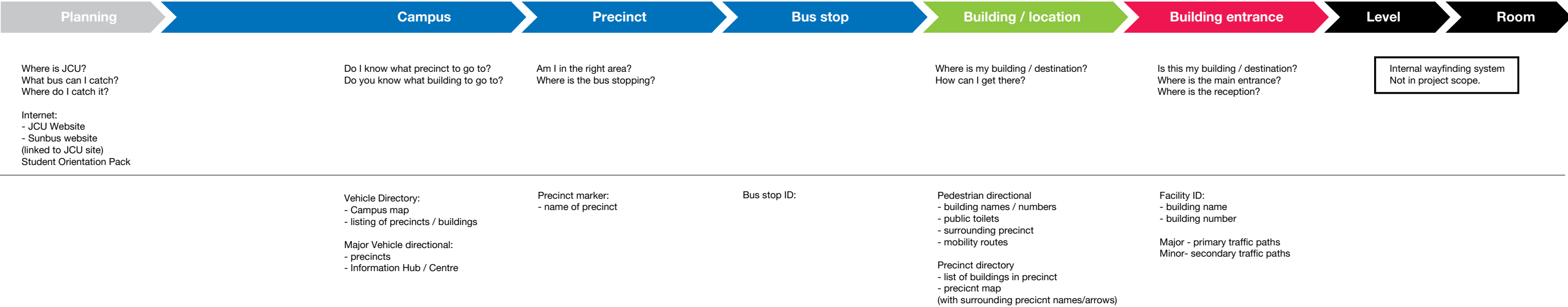
Precincts

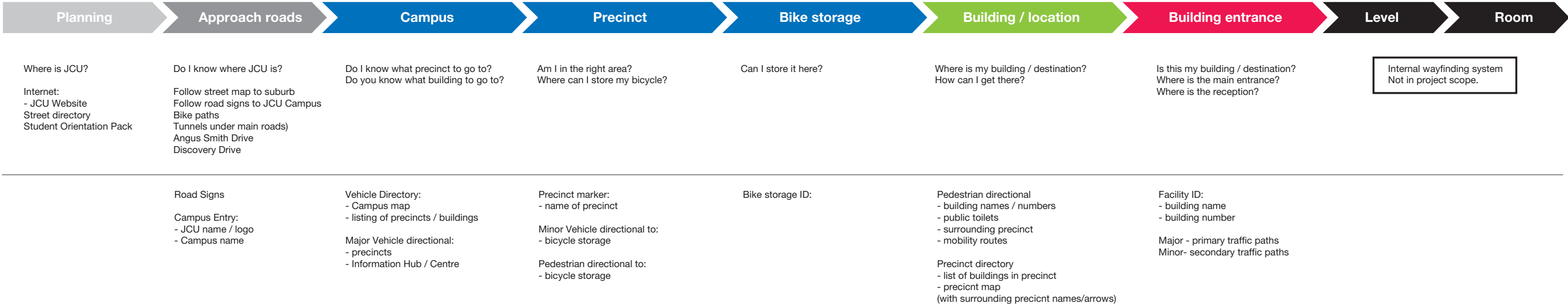
- Clear simple directions to precincts. Clearly marked boundaries. High contrast between adjacent precincts.

Location

- Clearly identified from main paths of travel, eg. car parks, main footpaths and road. If possible numbered in a logical sequence. Entrance and reception areas highlighted.







Information Hierarchy

Journey information hierarchy

General

University
Precincts
Landmark Building (ie Library)
Parking (Public/Permit)
Exit

Specific

Building Name
Building Number
Public Transport (Bus)
Car parking zones
Bike Racks
Parks
Fields
Venue
Toilets

Supporting

ATM
Drinking Fountain
Food / Drinks
First Aid
Police
Telephones
Shops
Smoking Area
Car parking Regulations

The users of the journey pathway is supported by information flowing in a sequential manner. What is read first, second third & so on is prioritised to support the journey.

1. Primary Information

Primary level information is regarded as priority, assisting the users with their primary journey to find the general vicinity.

2. Secondary Information

Secondary information is relevant and should be used sequentially in orientating users.

3. Tertiary Information

Tertiary level information supports university services important to the running of the university but not critical to a users primary route. This information is used on directories with the support of a map and minor directional reference.

Typography

PRIMARY FONT:
MYRIAD PRO - SEMI CONDENSED BOLD

EG: HEADER TEXT (TOWNSVILLE CAMPUS)

ABCDEFGHIJKLMNOPQRSTUVWXYZ 1234567890
abcdefghijklmnopqrstuvwxyz

SECONDARY FONT:
MYRIAD PRO - SEMI CONDENSED

EG: DIRECTIONAL MESSAGE

ABCDEFGHIJKLMNOPQRSTUVWXYZ 1234567890
abcdefghijklmnopqrstuvwxyz

Typographical study

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

James Cook University standard typefaces are from the Minion and Myriad family. Minion is the title font family and not suitable for use as part of this system.

Above is a study of the suitability of using Myriad and associated Myriad Pro variations.

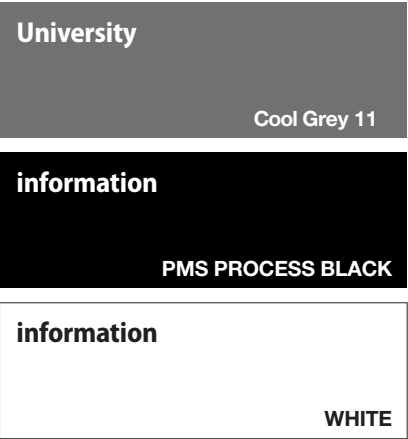
Space is crucial when applying messaging to a signage system, without hindering its legibility.

Colour & Finishes

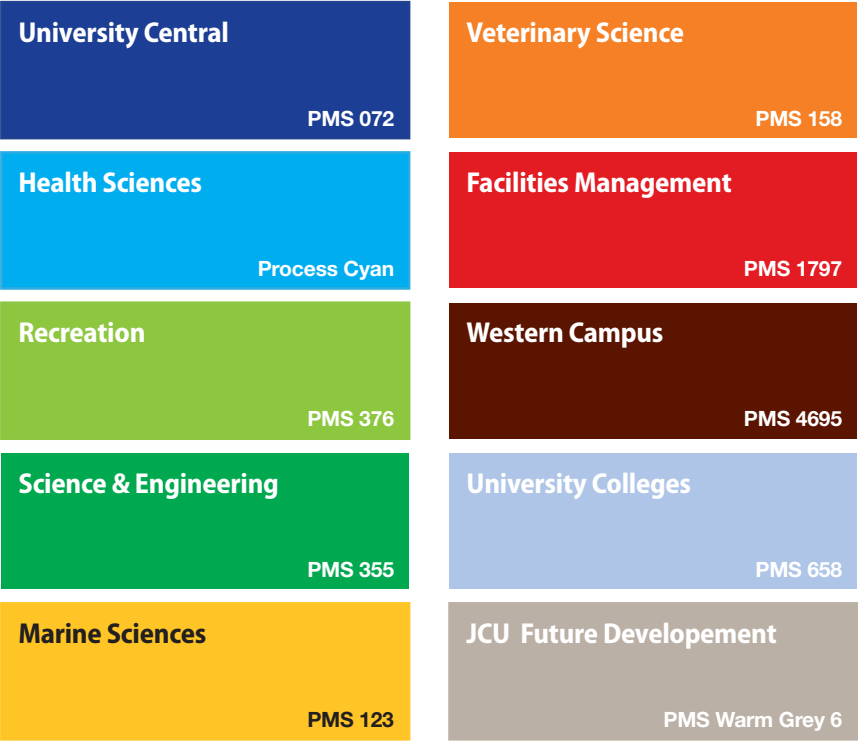
JCU Logo Colours



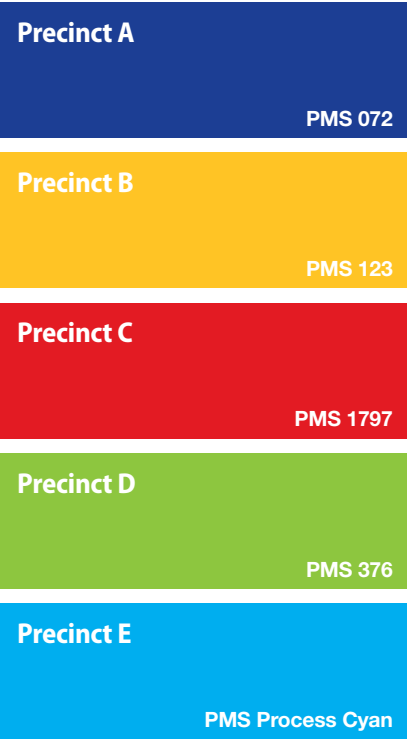
Base Colours



Townsville



Cairns



Base Colours
















Base finishes are used for main colours of sign suites.
Selected base colours will help highlight precinct colours.
Wide range of highly durable products in base colours.
Common colour range allows for future use.

Campus Precinct Colours

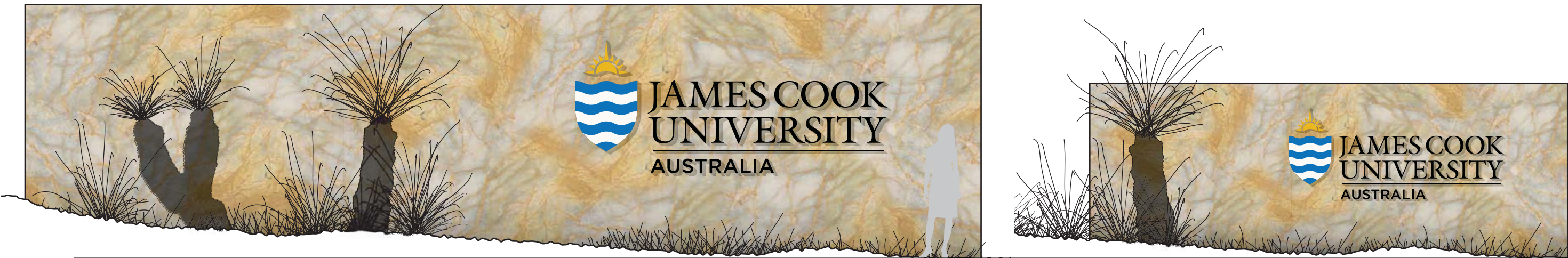
Vibrant high contrast colours are used to highlight precinct zones.
Chosen colours are used to help signs to be more detectable from its surrounding environment.
Vibrant colours associated with the region.

- Bright colours of the reef and fish.
- The birds and flowers.
- Indigenous artwork colours.

Colour & Finishes

FINISHES SCHEDULE										
SWATCH	DESCRIPTION	COLOUR CODE	2 PACK PAINT	ACM / DIBOND	VINYL (OPAQUE)	VINYL (REFLECTIVE)	STONE	ALUMINIUM	METAL	
	1 GLOSS BLACK	PMS BLACK	P1 FINISH: 2 PACK POLYURETHANE SEMI GLOSS SPEC: DULUX BLACK COLOUR: TO MATCH PMS BLACK	A1 SPEC: ALUCOBOND COLOUR: BLACK CODE: 326	AO1 SPEC: AVERY COLOUR: BLACK CODE: 901QM	VR1 AVERY (REFLECTIVE) COLOUR: BLACK CODE: NV1306	- -	- -	- -	- -
	2 WHITE	PMS WHITE	P2 FINISH: 2 PACK POLYURETHANE SEMI GLOSS SPEC: DULUX WHITE COLOUR: TO MATCH PMS WHITE	A2 SPEC: ALUCOBOND COLOUR: WHITE 16 CODE: 101	AO2 AVERY (900) COLOUR: WHITE (CAST) CODE: 900QM	VR2 AVERY (REFLECTIVE) COLOUR: WHITE CODE: NV1300	- -	- -	- -	- -
	3 COOL GREY 11	COOL GREY 11	P3 FINISH: 2 PACK POLYURETHANE SEMI GLOSS COLOUR: TO MATCH COOL GREY 11	A3 SPEC: ALUCOBOND COLOUR: ANTHRAXIT GREY CODE: 105	- -	- -	- -	- -	- -	- -
	4 BLUE (STATUTORY SIGN)	PMS 294	P4 FINISH: 2 PACK POLYURETHANE SEMI GLOSS COLOUR: TO MATCH PMS 294	- -	AO4 AVERY COLOUR: EMPIRE BLUE CODE: 968QM	- -	- -	- -	- -	- -
	5 STONE	-	- -	- -	- -	- -	S5 SPEC: CHILLIGOE - ORAZIA GOLD SUPPLIER: CAIRNS MARBLE AUST PH: 07 4032 2211	- -	- -	- -
	6 METAL	-	- -	- -	- -	- -	- -	AL6 LINISH	M6 GALVANIZED	- -
	7 PRECINCT BLUE (TOWNSVILLE: UNIVERSITY CENTRAL) (CAIRNS: PRECINCT A)	PMS 072	P7 FINISH: 2 PACK POLYURETHANE SEMI GLOSS COLOUR: TO MATCH PMS 072	A7 SPEC: ALUCOBOND COLOUR: ULTRAMARINE BLUE CODE: 203	- -	- -	- -	- -	- -	- -
	8 PRECINCT GREEN (TOWNSVILLE: RECREATION) (CAIRNS: PRECINCT D)	PMS 376	P8 FINISH: 2 PACK POLYURETHANE SEMI GLOSS COLOUR: TO MATCH PMS 376	A8 SPEC: ALUCOBOND COLOUR: YELLOW GREEN CODE: 313	- -	- -	- -	- -	- -	- -
	9 PRECINCT BLUE (TOWNSVILLE: UNIVERSITY COLLEGES)	PMS 656	P9 FINISH: 2 PACK POLYURETHANE SEMI GLOSS SPEC: DULUX (ULTIMATE WHITE) COLOUR: ANGELIC BLUE CODE: P38D1H HALF	- -	- -	- -	- -	- -	- -	- -
	10 PRECINCT BROWN (TOWNSVILLE: WESTERN CAMPUS)	PMS 4695	P10 FINISH: 2 PACK POLYURETHANE SEMI GLOSS COLOUR: TO MATCH PMS 4695	A10 SPEC: DIBOND COLOUR: CHOCOLATE BROWN	- -	- -	- -	- -	- -	- -
	11 PRECINCT BLUE (TOWNSVILLE: HEALTH SCIENCE) (CAIRNS: PRECINCT E)	PROCESS CYAN	P11 FINISH: 2 PACK POLYURETHANE SEMI GLOSS COLOUR: TO MATCH PROCESS BLUE CYAN	- -	- -	- -	- -	- -	- -	- -
	12 PRECINCT ORANGE (TOWNSVILLE: VETERINARY SCIENCE)	PMS 158	P12 FINISH: 2 PACK POLYURETHANE SEMI GLOSS COLOUR: TO MATCH PMS 158	A12 FINISH A12 HAS BEEN REMOVED FINISH - P12 TO BE SUBSTITUTED	- -	- -	- -	- -	- -	- -
	13 PRECINCT GREEN (TOWNSVILLE: SCIENCE & ENGINEERING)	PMS 355	P13 FINISH: 2 PACK POLYURETHANE SEMI GLOSS COLOUR: TO MATCH PMS 355	A13 FINISH A13 HAS BEEN REMOVED FINISH - P13 TO BE SUBSTITUTED	- -	- -	- -	- -	- -	- -
	14 PRECINCT YELLOW (TOWNSVILLE: MARINE SCIENCE) (CAIRNS: PRECINCT B)	PMS 123	P14 FINISH: 2 PACK POLYURETHANE SEMI GLOSS COLOUR: TO MATCH PMS 123	A14 SPEC: ALUCOBOND COLOUR: LEMON CODE: 200	- -	- -	- -	- -	- -	- -
	15 PRECINCT RED (TOWNSVILLE: FACILITIES MANAGEMENT) (CAIRNS: PRECINCT C)	PMS 1797	P15 FINISH: 2 PACK POLYURETHANE SEMI GLOSS COLOUR: TO MATCH PMS 1797	A15 SPEC: ALUCOBOND COLOUR: RED CODE: 201	- -	- -	- -	- -	- -	- -

Sign Suites



**Campus Entry Sign Marker
Primary
(CA_ENT_P)**

- Primary Level branding sign
- Located at main entrance of campus

**Campus Entry Sign Marker
Secondary
(CA_ENT_S)**

- Secondary branding sign
- Located at secondary entrance/s of campus

Sign Suites



Vehicle Campus Map Free-standing
Primary
(VEH_CA_MAP_FS_P)

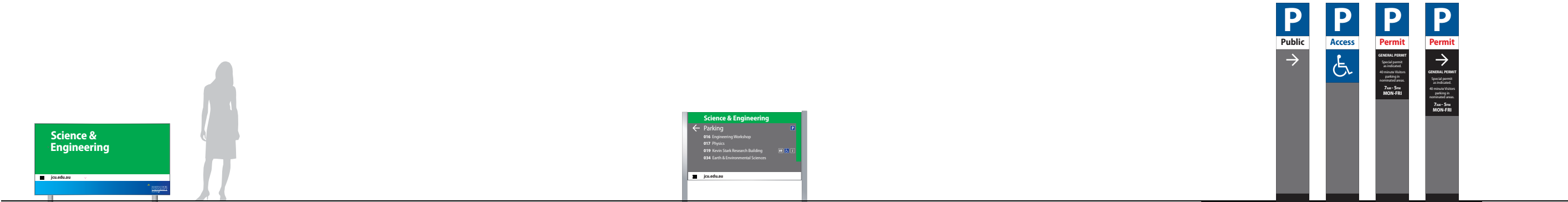
- Major directory sign (map and building list)
- Located the main vehicular entrances to campuses and main hub of a campus

Vehicle Directional Campus Free-standing
Primary
(VEH_DIR_CA_FS_P)

- Major directional sign
- Identifies precincts
- Roadside sign
- Located in areas outside Precinct boundaries
- Located at major intersections between 2 or more main roads

Vehicle Directional Precinct Free-standing
Primary
(VEH_DIR_PRE_FS_P)

- Major directional sign
- Identifies precincts
- Roadside sign
- Located within Precinct boundaries - indicates to the user what precinct they are currently within
- Located at major intersections between 2 or more main roads



**Precinct Identification Free-standing
Secondary
(PRE_ID_FS_S)**

- Major identification sign
- Identifies the precincts
- Roadside sign
- Located at the boundaries of precincts

**Vehicle Directional Free-standing
Secondary
(VEH_DIR_FS_S)**

- Minor directional sign
- Identifies Parking areas / types and associated buildings
- Roadside sign
- Located at secondary decision points, such as a direct / no through road to a car park

**Car Park Identification Free-standing
(CP_ID_FS)**

- Minor identification sign
- Identifies the type of vehicle / car park area (e.g. Permit, Public, Accessible, Loading Zone, etc.)
- Roadside sign
- Located at entrance to car parks and other vehicular areas (such as loading zones)

Sign Suites



Pedestrian Directional Free-standing Primary (PED_DIR_FS_P)

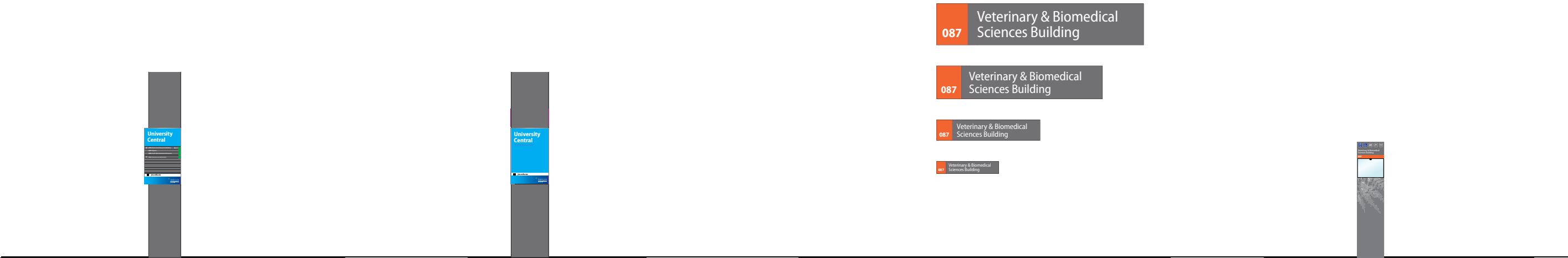
- Major directional sign and minor directory sign (map and building list)
- Pedestrian path sign
- Located at major intersection points in-between precincts and within precincts. Used when directional content is required
- Blades show directions to other precincts as well as major / main facilities within the precinct it is located

Pedestrian Directional Secondary (PED_DIR_FS_S)

- Minor directional sign
- Located throughout campus
- Showing directions to surrounding precincts, car parks & major buildings.

Pedestrian Map Free-standing Secondary (PED_MAP_FS_S)

- Minor directory sign (map and building list)
- Pedestrian path / bus stop sign
- Located at major / minor intersection points within a precinct, adjacent to bus stops along road ways



Pedestrian Directional Wall-mounted Secondary
(PED_DIR_WM_S)

- Minor directional sign
- Pedestrian path sign
- Located at the major pedestrian intersections
- Mounted to columns / flat walls

Precinct Identification Wall-mounted Secondary
(PRE_ID_WM_S)

- Minor identification sign
- Identifies the precincts
- Pedestrian path sign
- Located at the boundaries of precincts
- Mounted to columns / flat walls

Facility Identification Wall-mounted
(FAC_ID_WM)

- Major identification sign
- Identifies the building number / code and official name
- Mounted to the building substrate

Facility Identification Free-standing
(FAC_ID_FS)

- Major identification sign
- Used when a wall-mounted sign is not appropriate
- Identifies the building number / code, official name and any major facilities (such as a Library)
- Installed within close proximity to the associated building

Pictogram Suite

GREEN DASHED LINES SHOW
EXTENT OF PICTOGRAMS



Pictograms

Pictography is a form of writing which uses representational and pictorial drawings to depict instructions or statistical diagrams. Because of their graphical nature and fairly realistic style they are widely used to indicate public toilets or places such as libraries and car parks.

Typically shown in maps, directional and car park identification signs within the campus.

QR Scan Code

QR Code

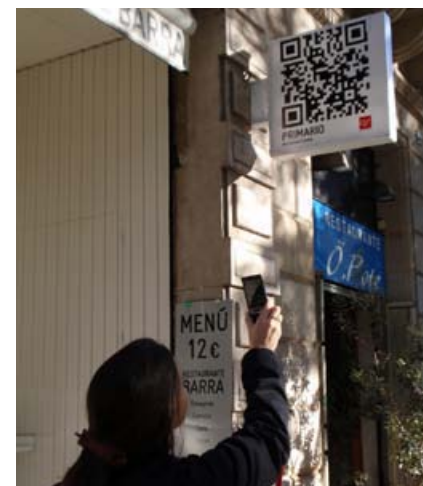


A QR Code is a matrix barcode (or two-dimensional code), readable by QR scanners, mobile phones with a camera, and smartphones. The code consists of black modules arranged in a square pattern on white background. The information encoded can be text, URL or other data.

Camera phones equipped with the correct reader application can scan the image of the QR Code to display text, contact information, connect to a wireless network or open a web page in the phone's browser. This act of linking from physical world objects is known as a hardlink or physical world hyperlinks.

QR Codes can be used to display text to the user, to add a vCard contact to the user's device, to open a web address or to compose a text message or email. Users can also generate and print their own QR Code for others to scan and use by visiting one of several free QR Code generating sites.

<http://keremerkan.net/qr-code-and-2d-code-generator/>



Visuals

Construction Drawings

Campus Entrance - Primary
(CA_ENT_P)

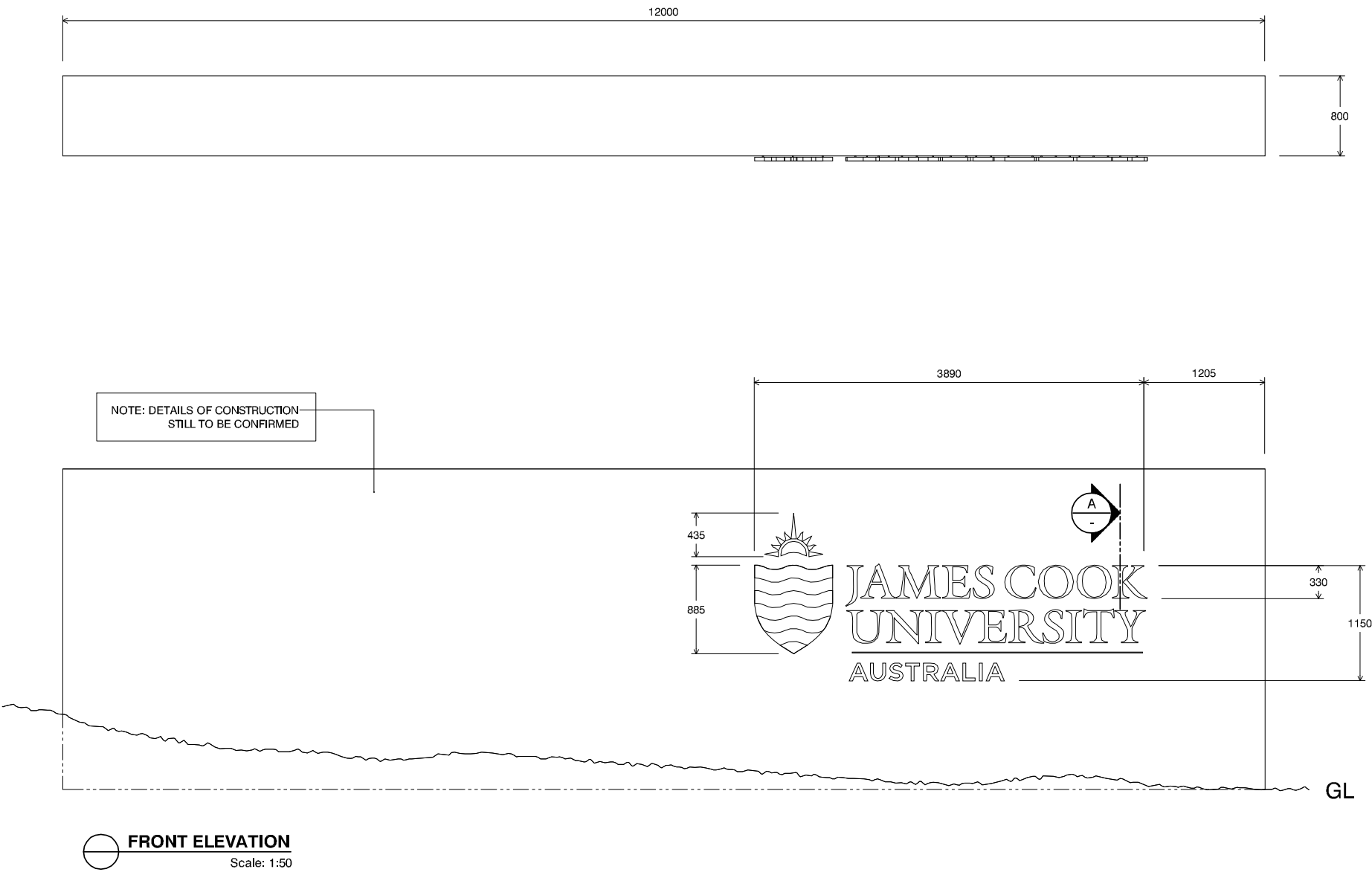
Layout Page



These drawings are for information and guidance only, and show preferred construction details and methods of manufacture.

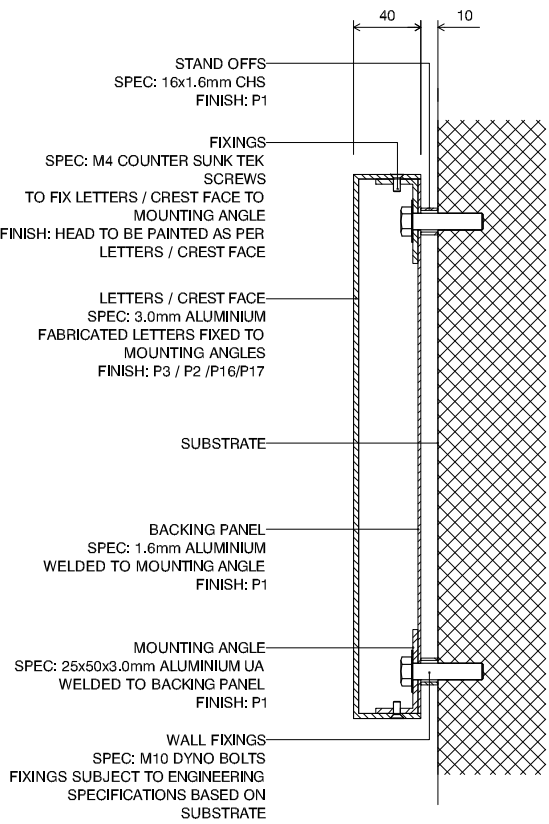
They should NOT be used for the purposes of manufacture until reviewed and approved by the Diadem.

The contractor is expected to create their own general assembly and parts drawings prior to manufacture for approval.

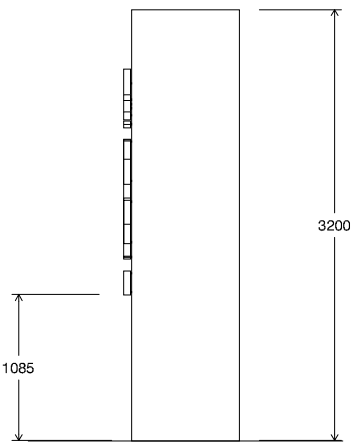


Campus Entrance - Primary (CA_ENT_P)

Construction Drawings



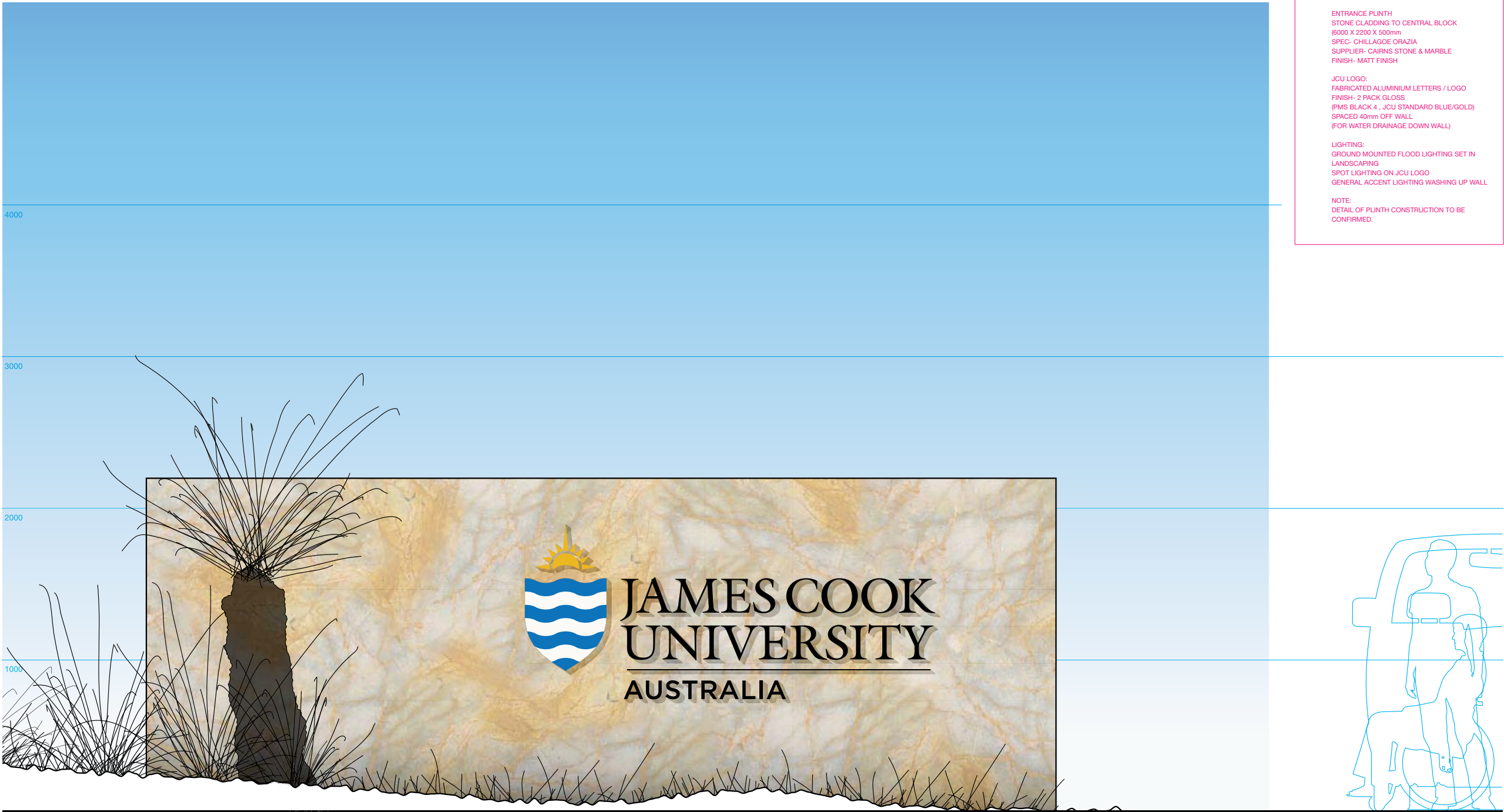
A TYPICAL SECTION (Fabricated Letters)
Scale: 1:4



SIDE ELEVATION
Scale: 1:50

Campus Entrance - Secondary
(CA_ENT_S)

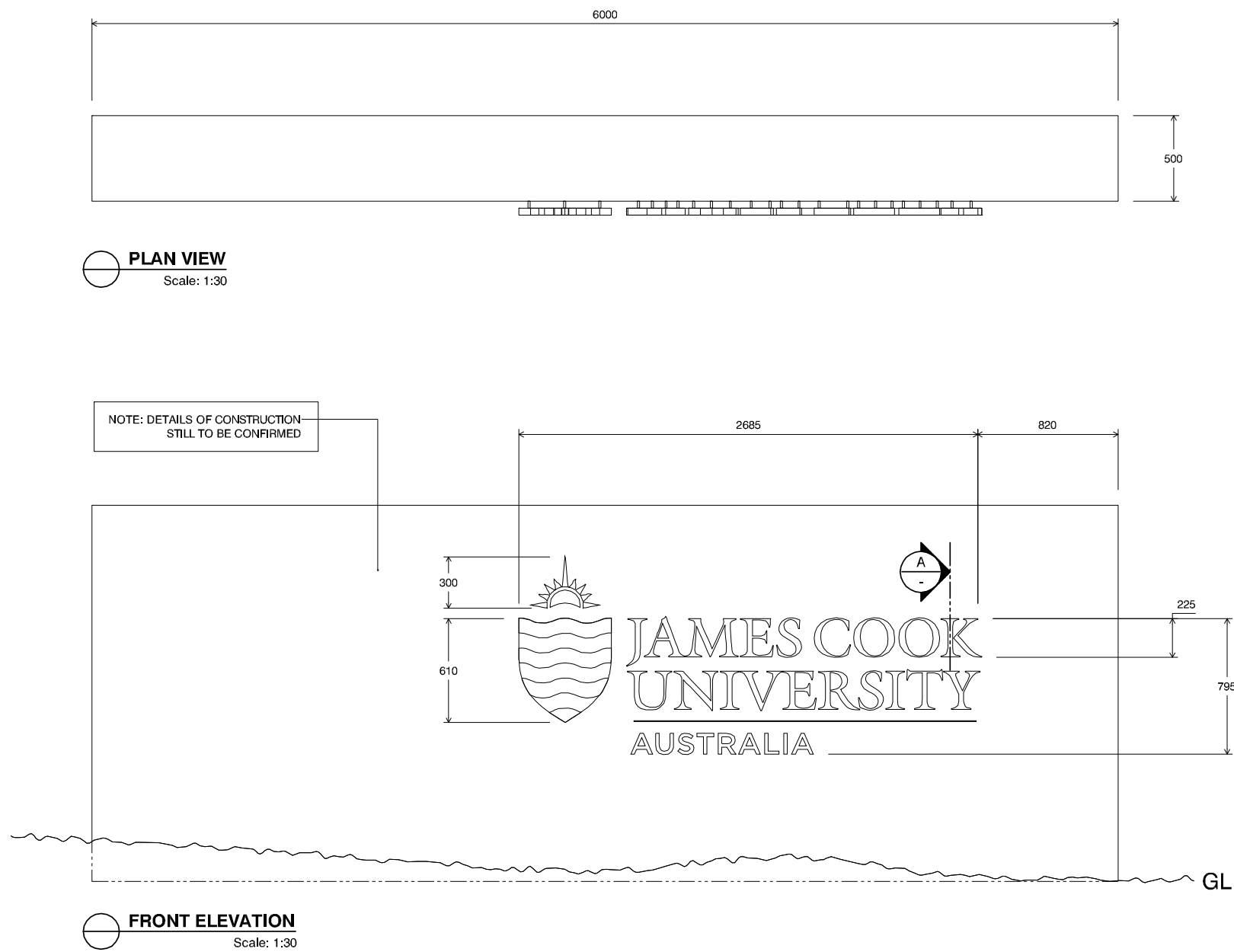
Layout Page



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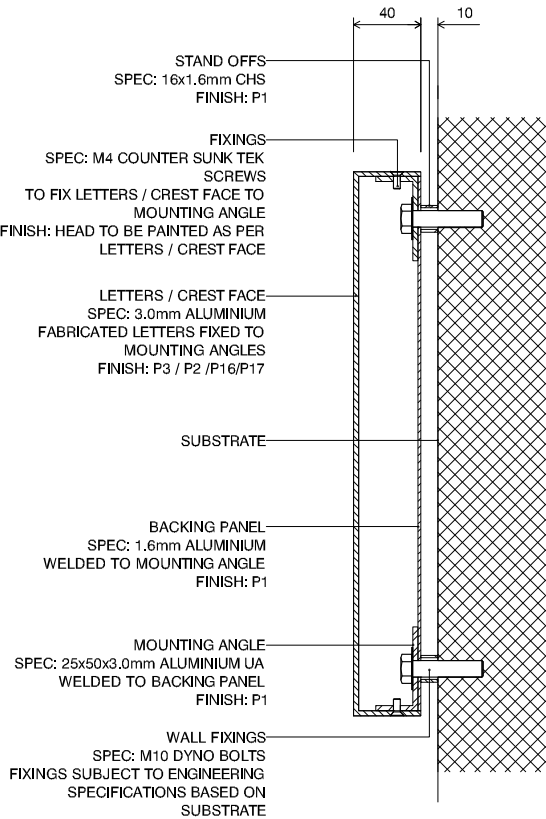
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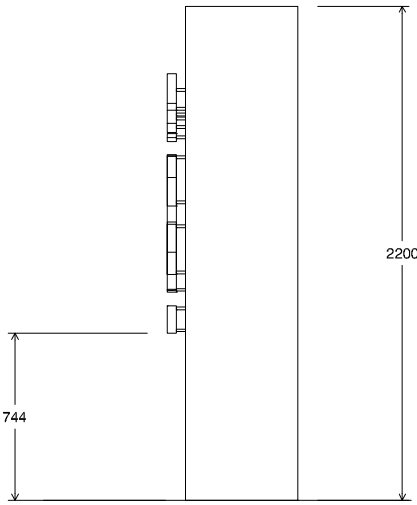


Campus Entrance - Secondary
(CA_ENT_S)

Construction Drawings



A TYPICAL SECTION (Fabricated Letters)
Scale: 1:4



SIDE ELEVATION
Scale: 1:30

Vehicle Campus Map Free-standing - Primary (VEH_CA_MAP_FS_P) Layout Page

ENTRANCE PLINTH (SINGLE SIDED)

DIRECTORY / MAP GRAPHIC:
FABRICATED ALUMINIUM SIGN BOX
WITH ACM GRAPHIC PANEL FIXED TO INTERNAL
MOUNTING FRAME

AWNING:
FABRICATED STEEL STRUCTURE
POLYCARBONATE AWNING
LED ILLUMINATION UNITS INSTALLED
WITHIN AWNING ARMS

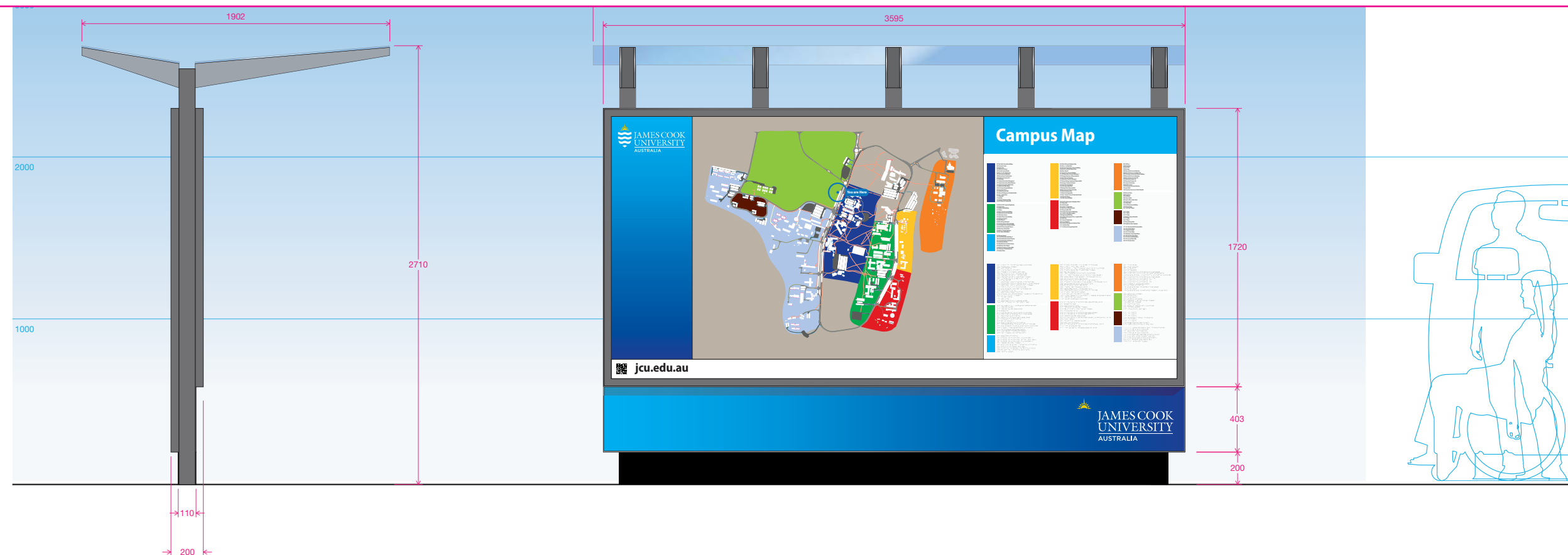
BODY
FABRICATED ALUMINIUM SIGN BOX
WITH ACM GRAPHIC PANEL FIXED TO
INTERNAL FRAME

FRAME
FABRICATED GALVANIZED FRAME

SCAN Q CODE LINK PANEL:
TO LINK USER VIA CODE SCANNING TECHNOLOGY
TO ONLINE CAMPUS MAP
DIGITALLY PRINTED

JCU BRANDING PANEL:

TO BE UPDATED
NEW CONSTRUCTION DRAWING COMING FROM BENTLEIGH



The contractor is expected to create their own general assembly and parts drawings prior to manufacture for approval.

Technical drawing of a five-bay bridge structure. The drawing shows a plan view with five vertical piers and four horizontal spans. The total length of the bridge is indicated as 4050. The width of the bridge is indicated as 1894. The drawing includes various lines representing the bridge structure, including the piers, spans, and the bridge deck. There are also small circles and dots indicating specific points or features on the bridge structure.

SIDE ELEVATION

Scale: 1:25

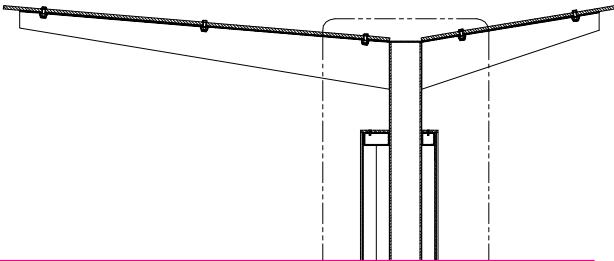
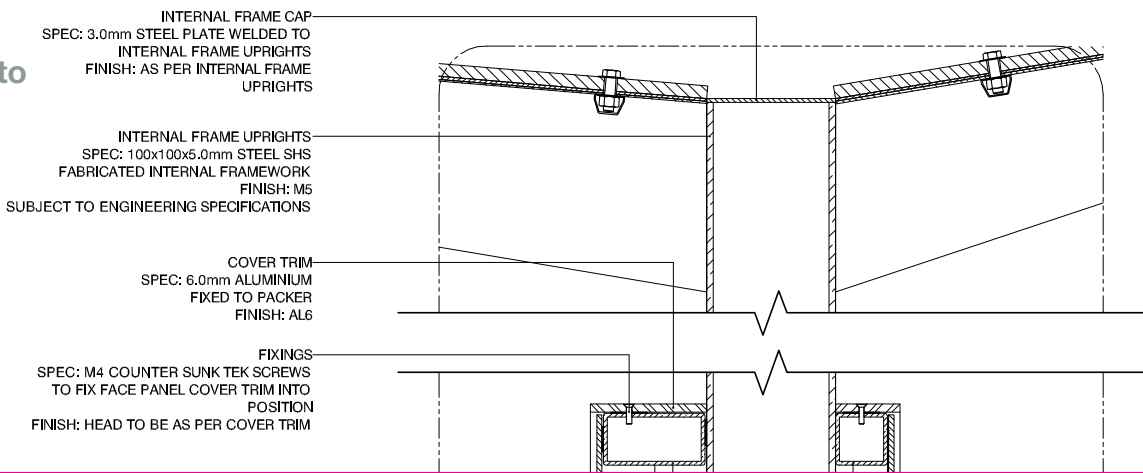
[illegible]

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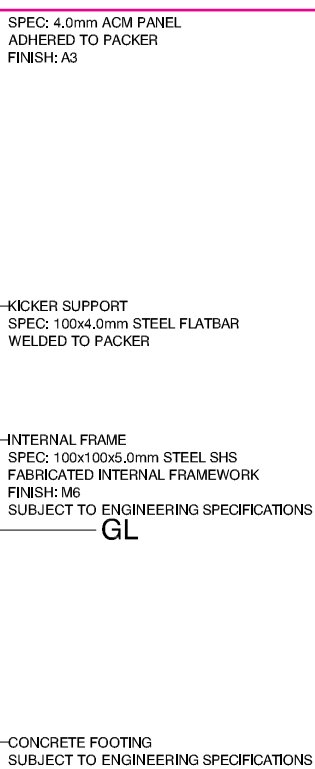
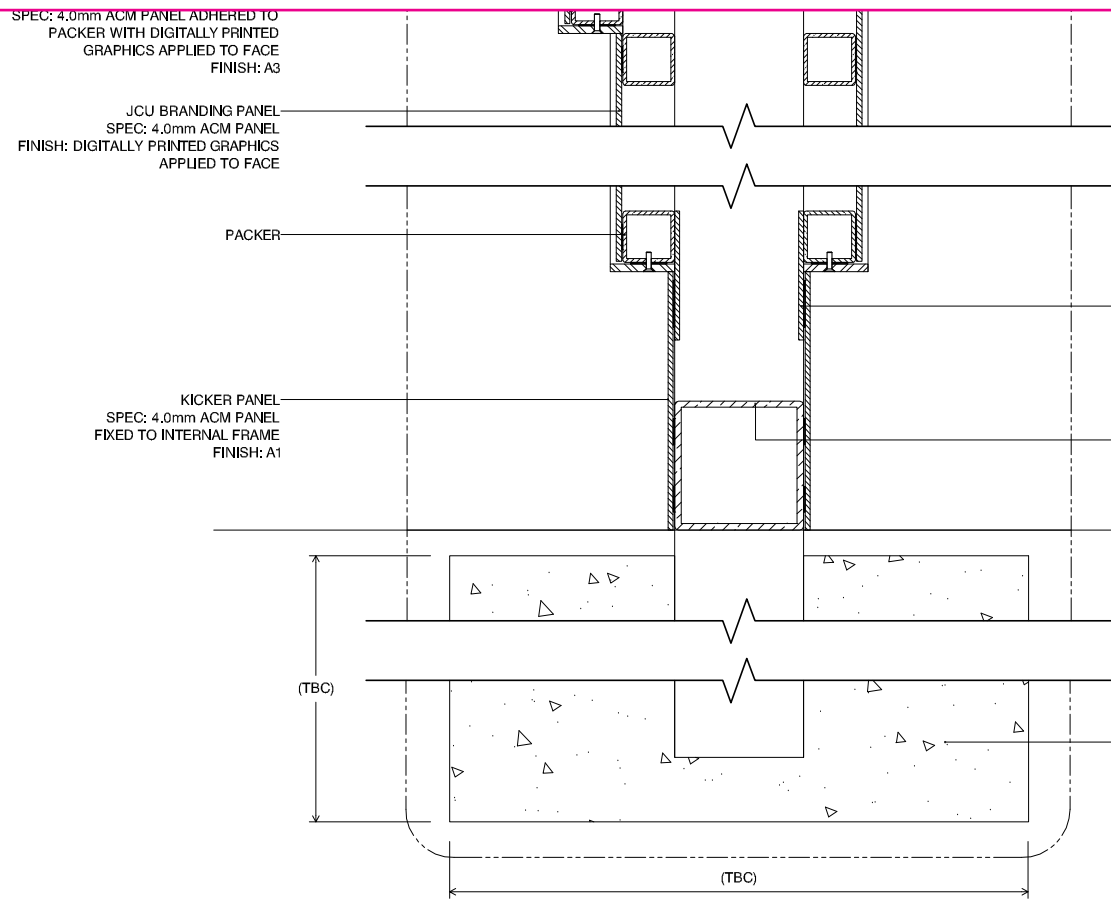
They should NOT be used for the purposes of manufacture until reviewed and approved by the Diadem.

The contractor is expected to create their own general assembly and parts drawings prior to manufacture for approval.

Vehicle Campus Map
Free-standing - Primary
(VEH_CA_MAP_FS_P)
Construction Drawings



TO BE UPDATED
NEW CONSTRUCTION DRAWING COMING FROM BENTLEIGH



B SECTION VIEW
Scale: 1:20

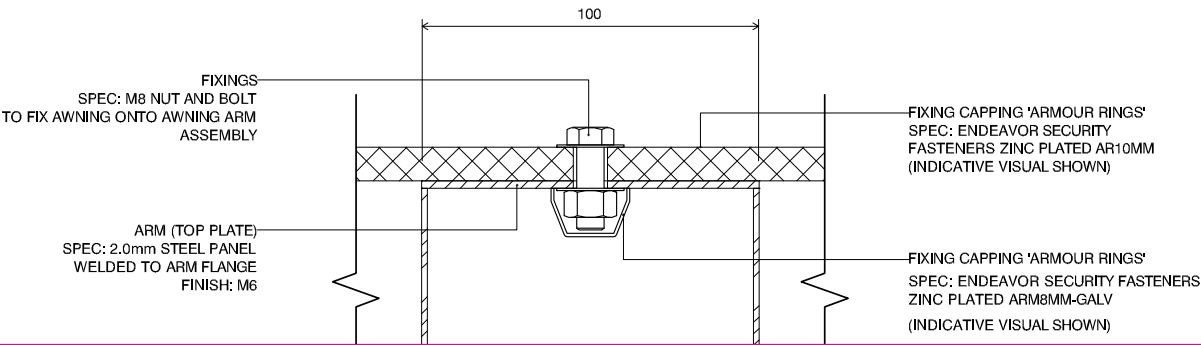
D SECTION DETAIL
Scale: 1:5

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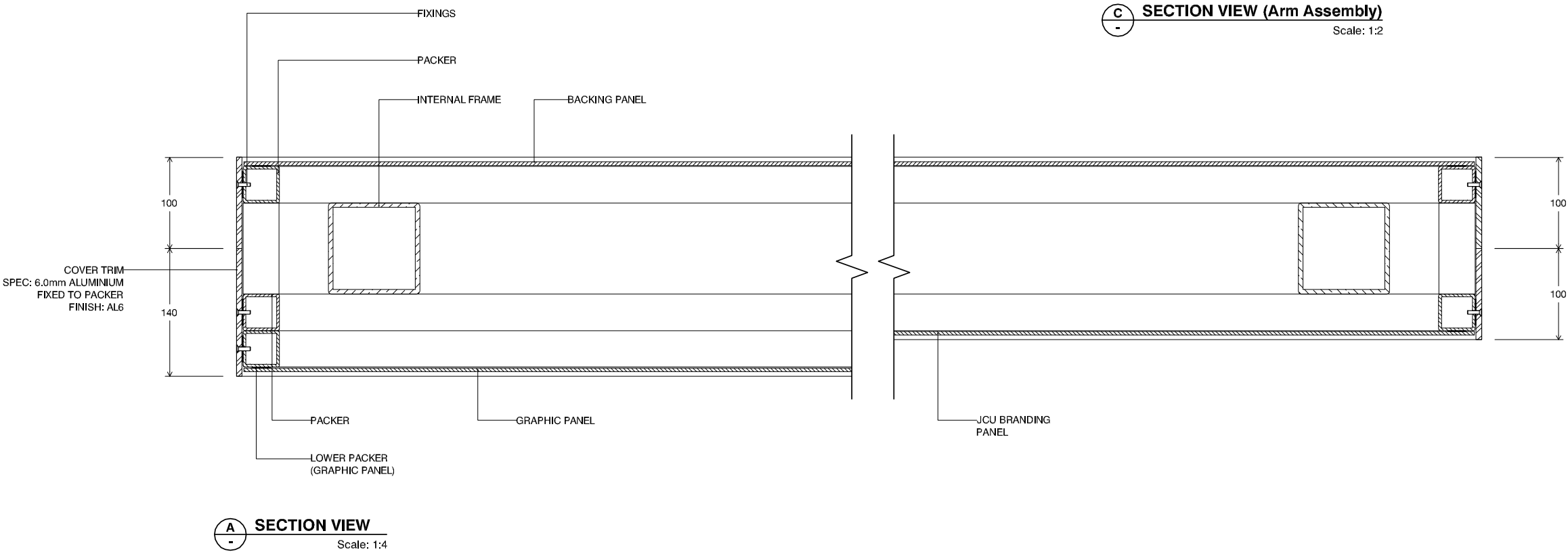
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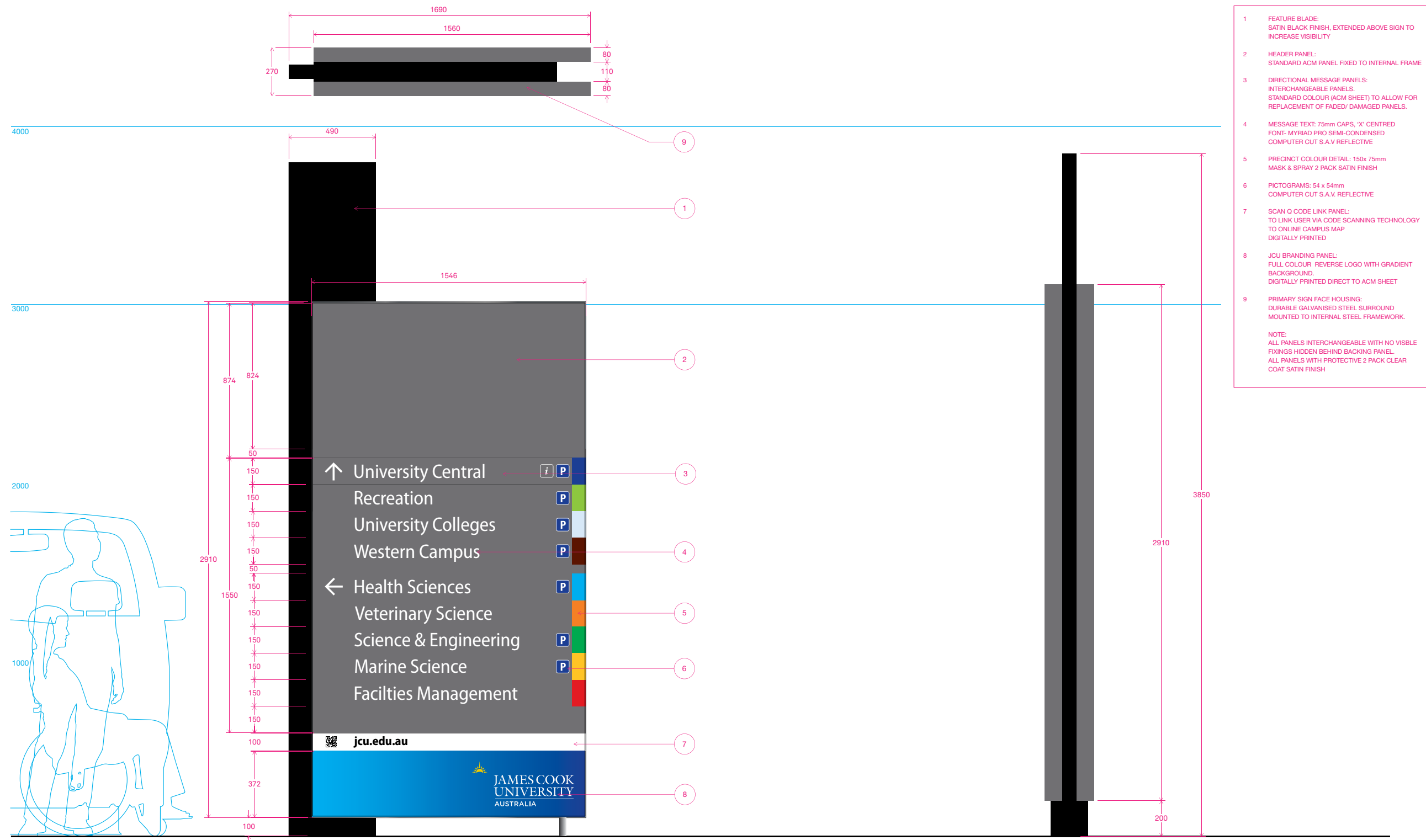
Vehicle Campus Map
Free-standing - Primary
(VEH_CA_MAP_FS_P)
Construction Drawings



TO BE UPDATED
NEW CONSTRUCTION DRAWING COMING FROM BENTLEIGH



Vehicle Directional Campus Free-standing Primary (VEH_DIR_CA_FS_P) Layout Page

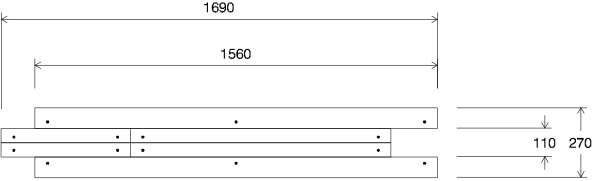


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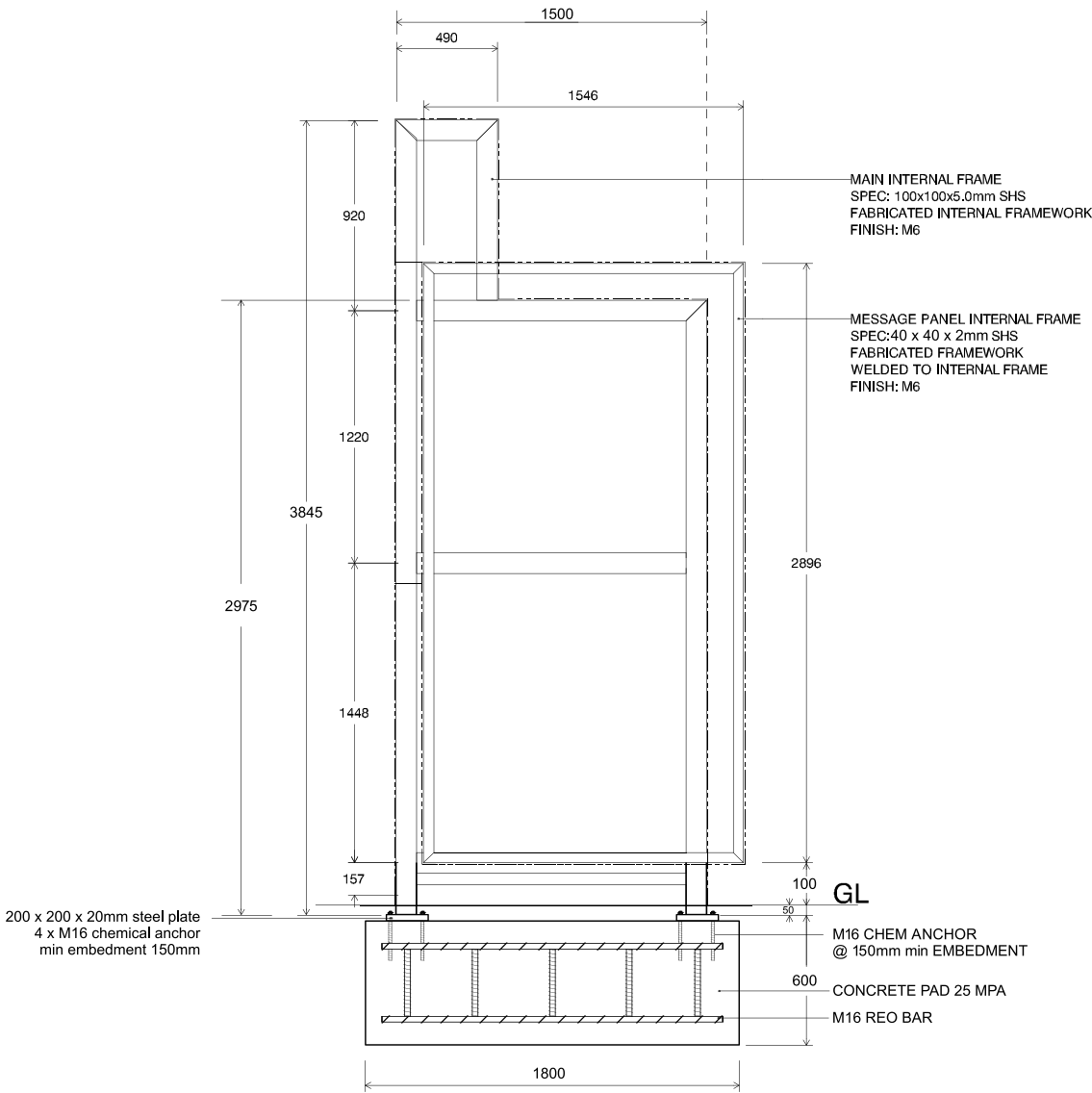
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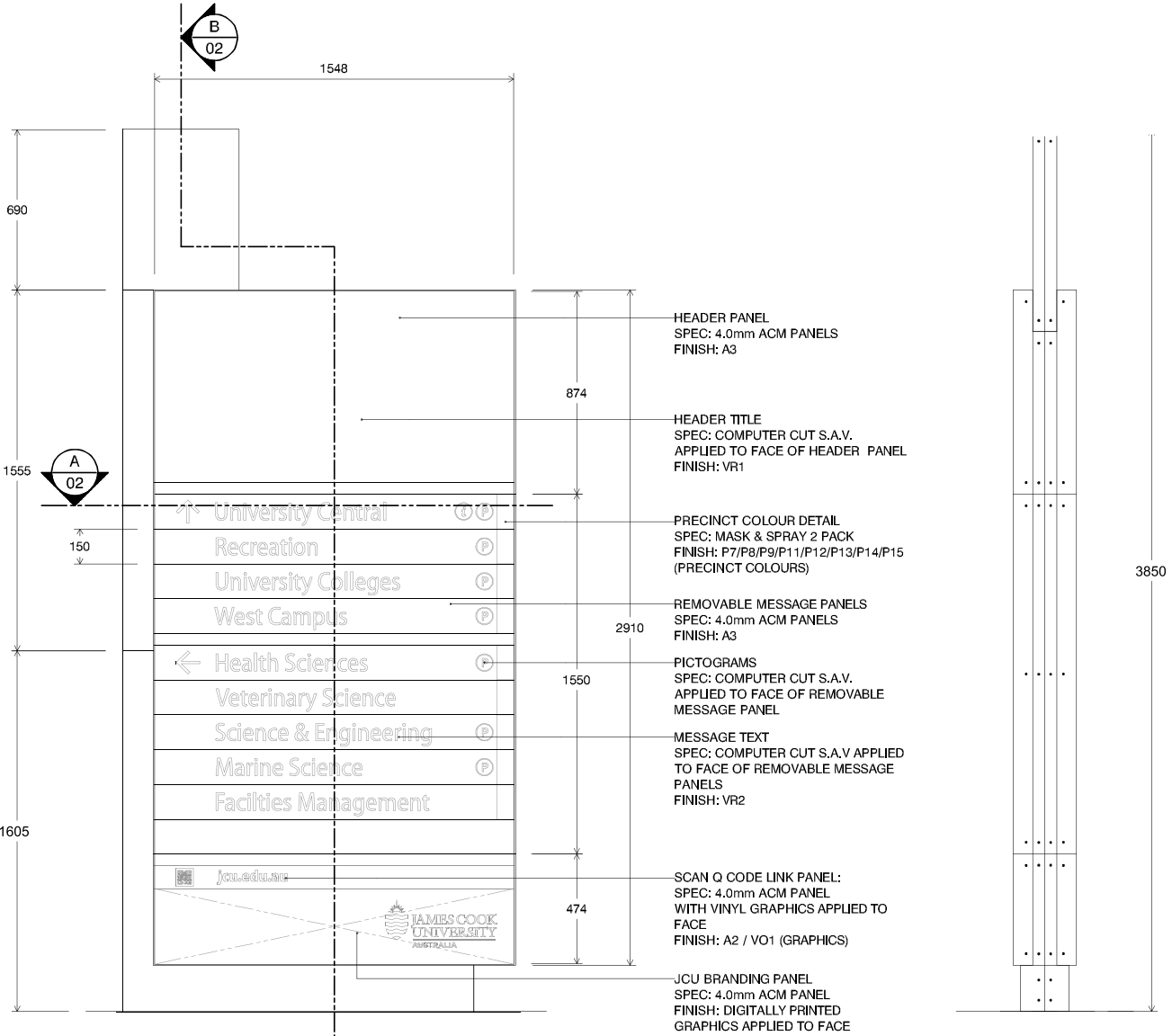
Vehicle Directional Campus
Free-standing Primary
(VEH_DIR_CA_FS_P)
Construction Drawings



TOP VIEW



FRONT ELEVATION (Frame Drawing)



FRONT ELEVATION

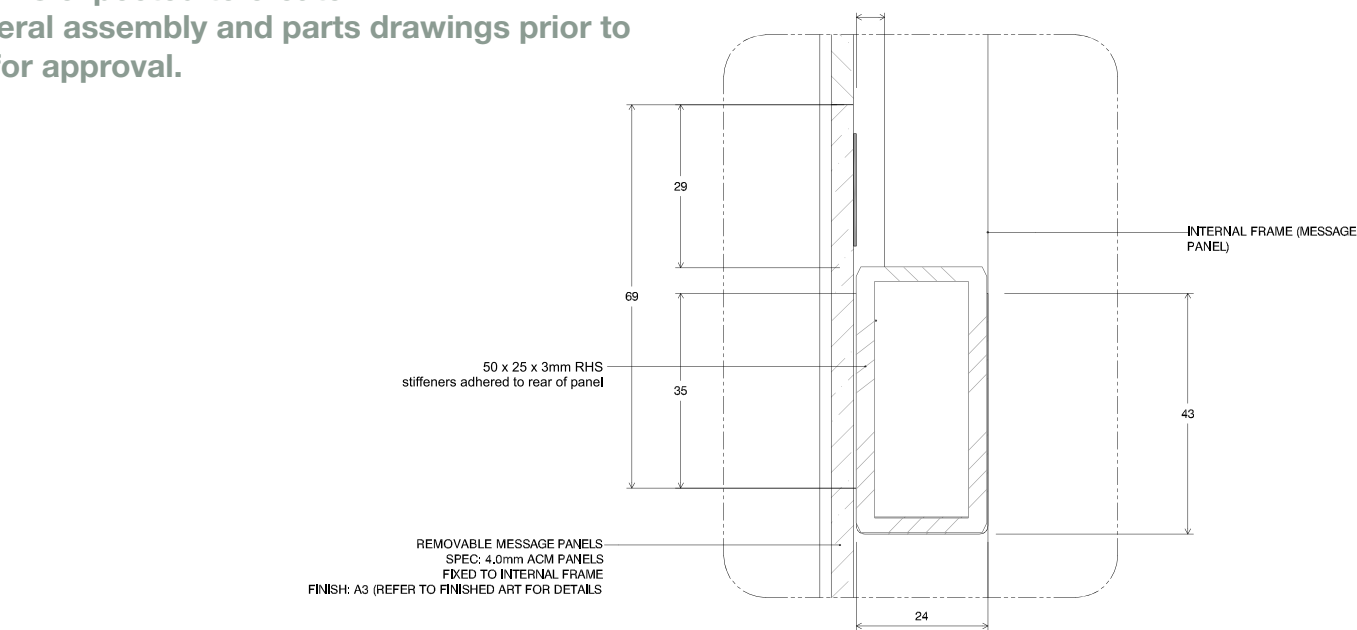
SIDE ELEVATION

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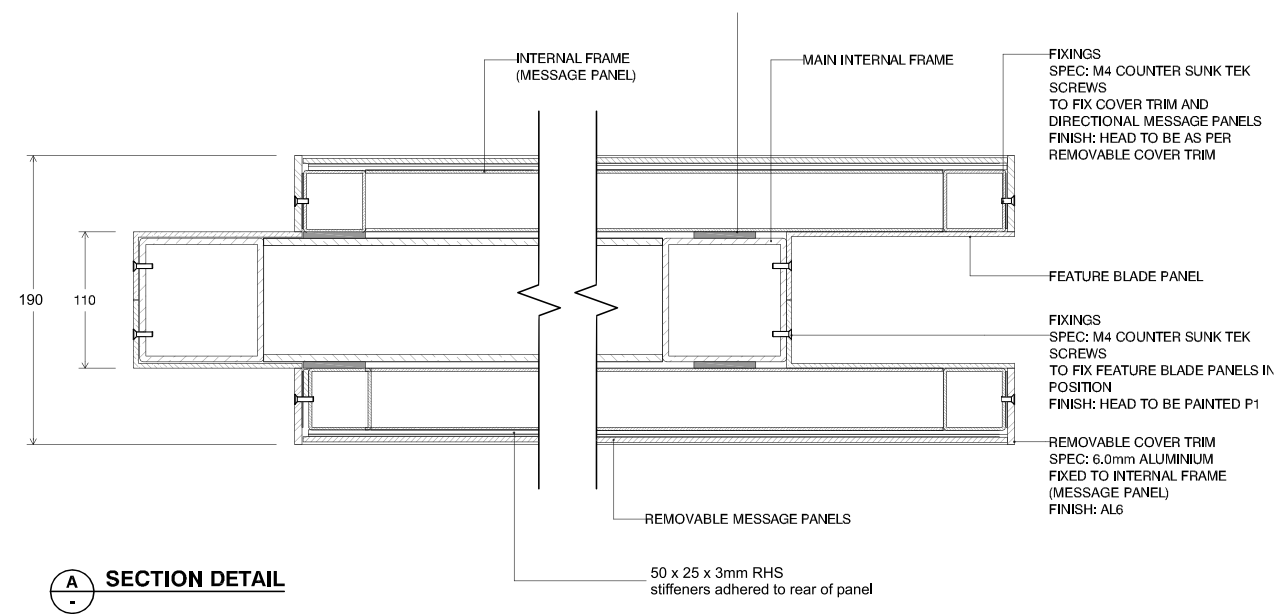
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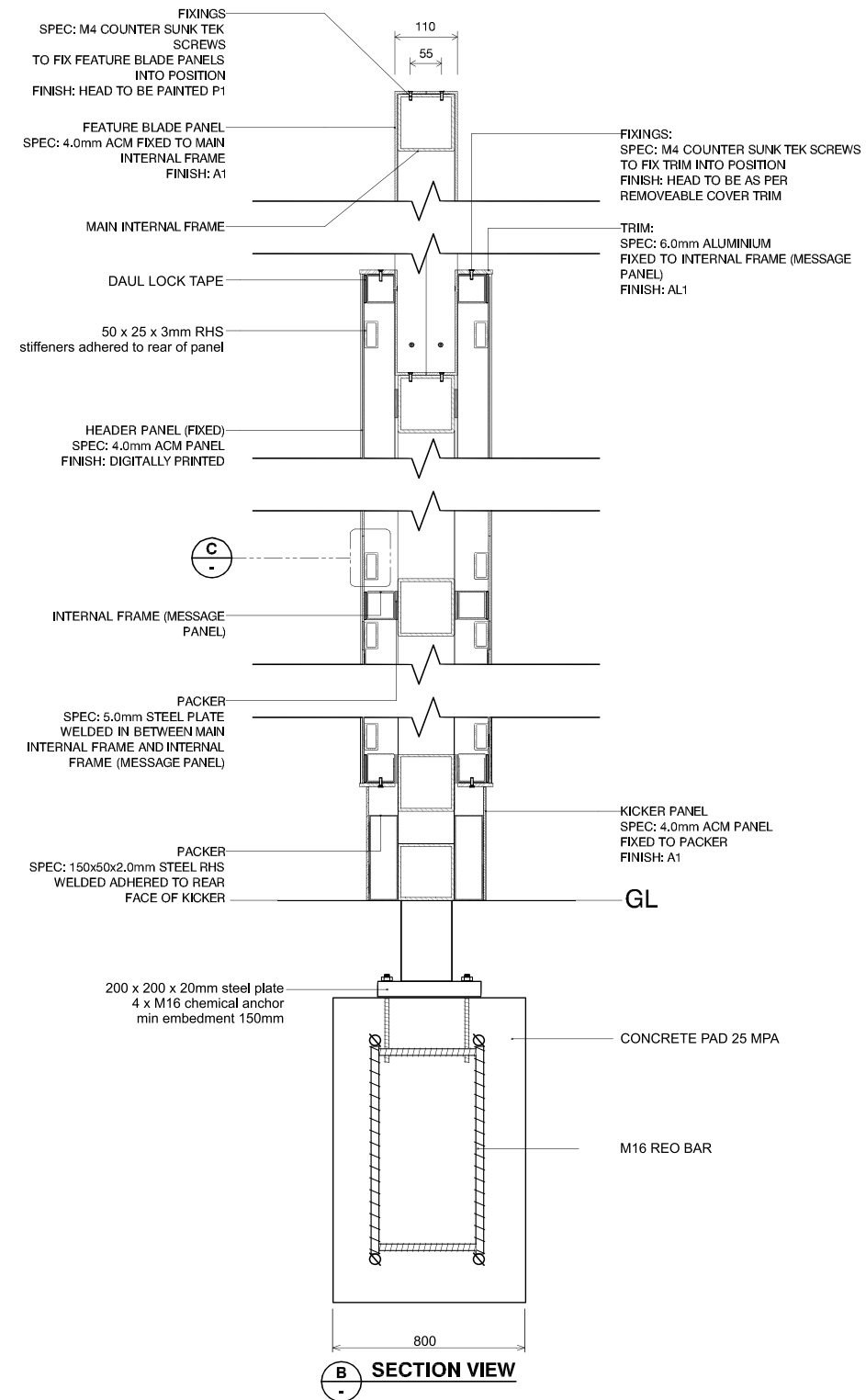
Vehicle Directional Campus
Free-standing Primary
(VEH_DIR_CA_FS_P)
Construction Drawings



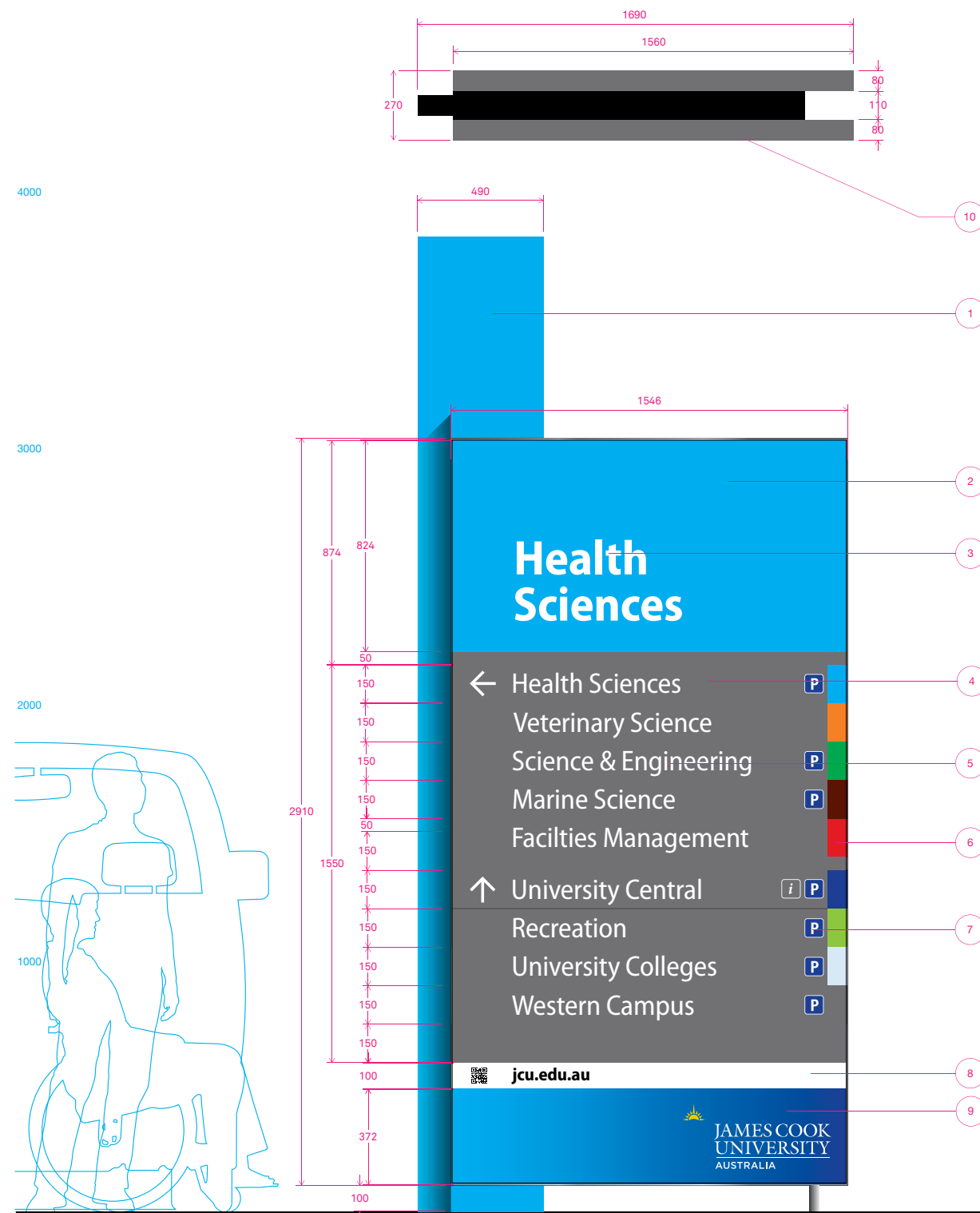
C SECTION DETAIL (Removable Directional Panels)



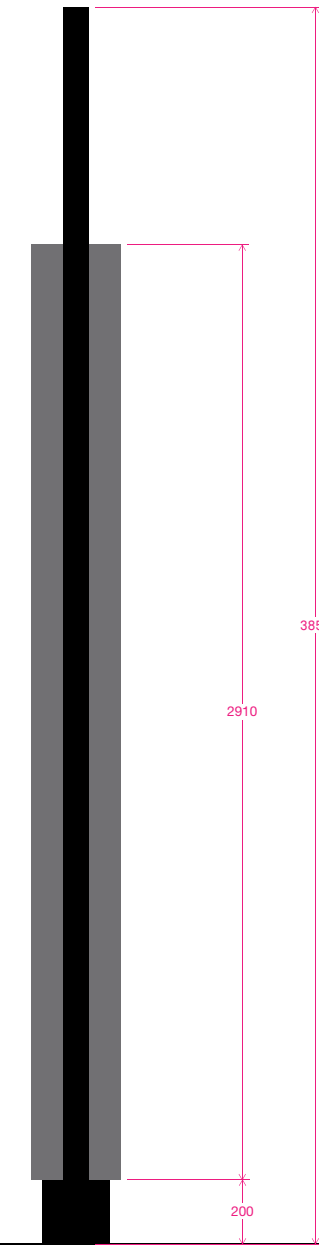
A SECTION DETAIL



Vehicle Directional Precinct Free-standing - Primary (VEH_DIR_PRE_FS_P) Layout Page



- 1 FEATURE BLADE:
PRECINCT COLOUR CODED, EXTENDED ABOVE
SIGN TO INCREASE VISIBILITY
 - 2 HEADER PANEL:
COLOUR CODED PER PRECINCT
 - 3 HEADER TITLE:
COMPUTER CUT REFLECTIVE S.A.V. VISIBILITY
ENHANCED BY CAR HEADLIGHTS
FONT- MYRIAD PRO SEMI-CONDESED BOLD
 - 4 DIRECTIONAL MESSAGE PANELS:
INTERCHANGEABLE PANELS,
STANDARD BACKGROUND COLOUR IN ALLOW
FOR REPLACEMENT OF FADED/ DAMAGED PANELS.
 - 5 MESSAGE TEXT: 75mm CAPS, 'X' CENTRED
FONT- MYRIAD PRO SEMI-CONDESED
COMPUTER CUT S.A.V REFLECTIVE
 - 6 PRECINCT COLOUR DETAIL: 150x 75mm
MASK & SPRAY 2 PACK SATIN FINISH
 - 7 PICTOGRAMS: 54 x 54mm
COMPUTER CUT S.A.V. REFLECTIVE
 - 8 SCAN Q CODE LINK PANEL:
TO LINK USER VIA CODE SCANNING TECHNOLOGY
TO ONLINE CAMPUS MAP
DIGITALLY PRINTED
 - 9 JCU BRANDING PANEL:
FULL COLOUR REVERSE LOGO WITH GRADIENT
BACKGROUND.
DIGITALLY PRINTED
 - 10 PRIMARY SIGN FACE HOUSING:
DURABLE GALVANISED STEEL SURROUND
MOUNTED TO INTERNAL STEEL FRAMEWORK.
- NOTE:
ALL PANELS INTERCHANGEABLE WITH NO VISBLE
FIXINGS HIDDEN BEHIND BACKING PANEL.
ALL PANELS WITH PROTECTIVE 2 PACK CLEAR
COAT SATIN FINISH

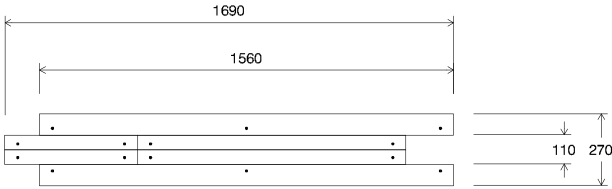


These drawings are for information and guidance only, and show preferred construction details and methods of manufacture.

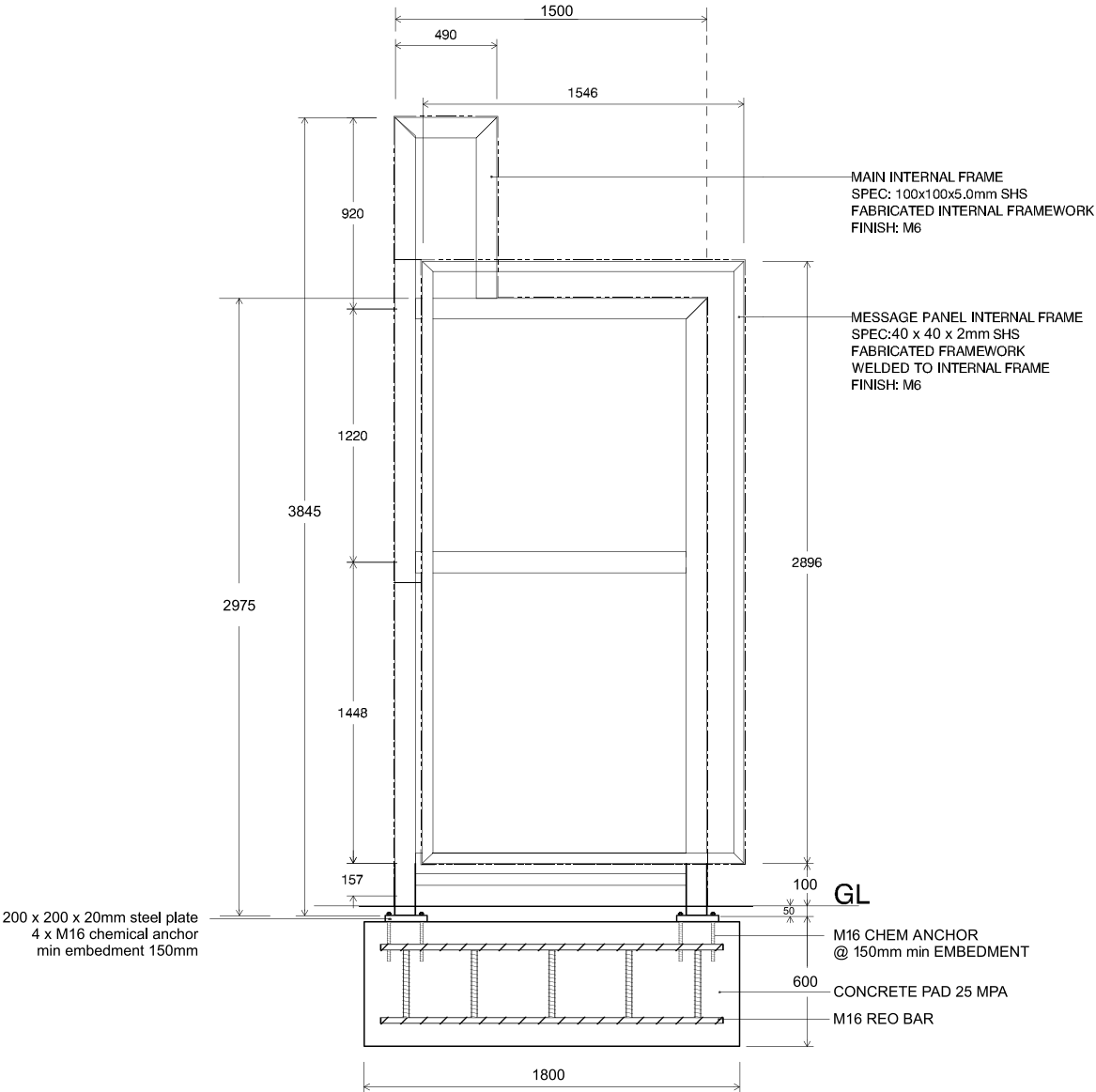
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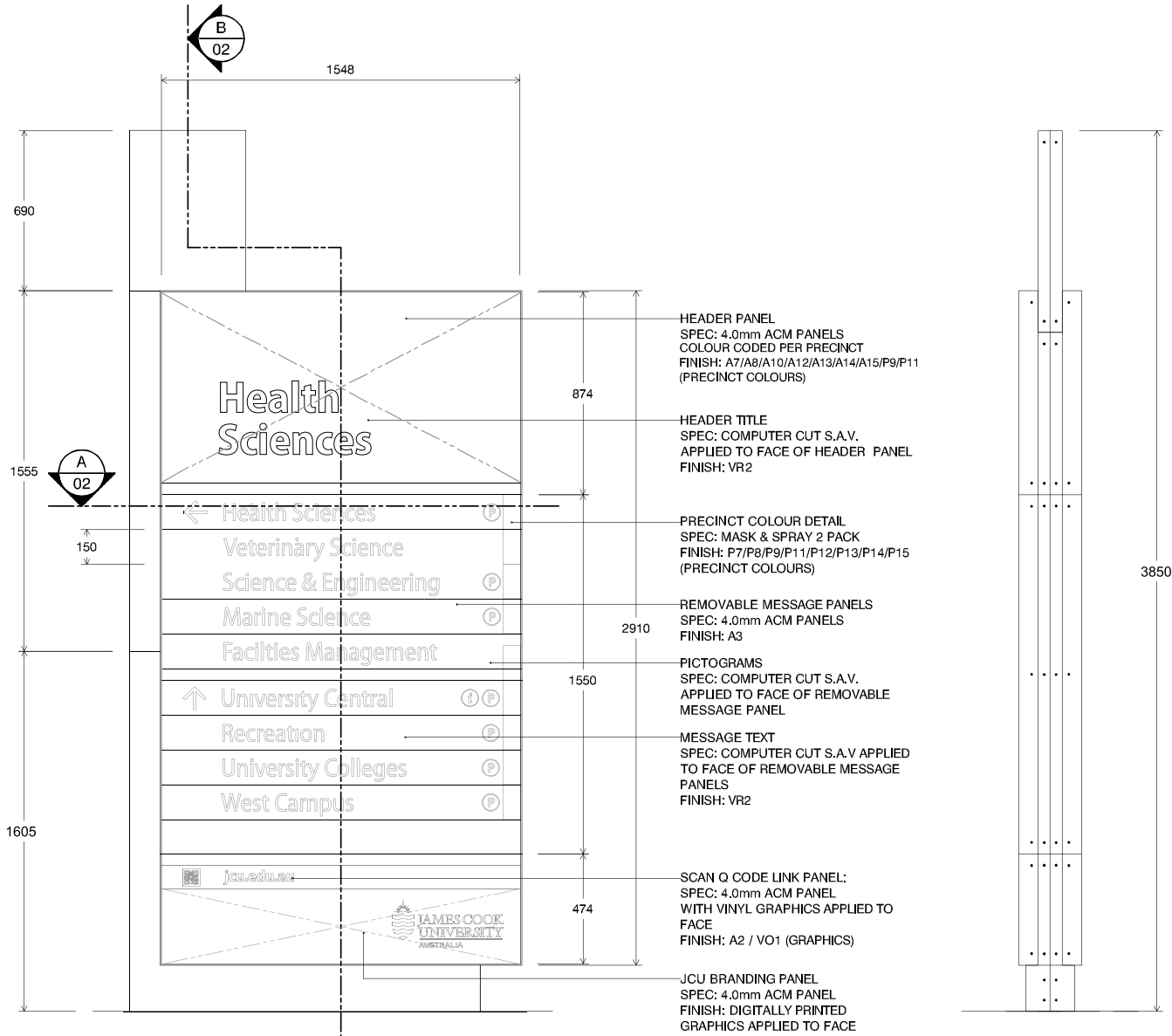
Vehicle Directional Precinct
Free-standing - Primary
(VEH_DIR_PRE_FS_P)
Construction Drawings



TOP VIEW



FRONT ELEVATION (Frame Drawing)



FRONT ELEVATION

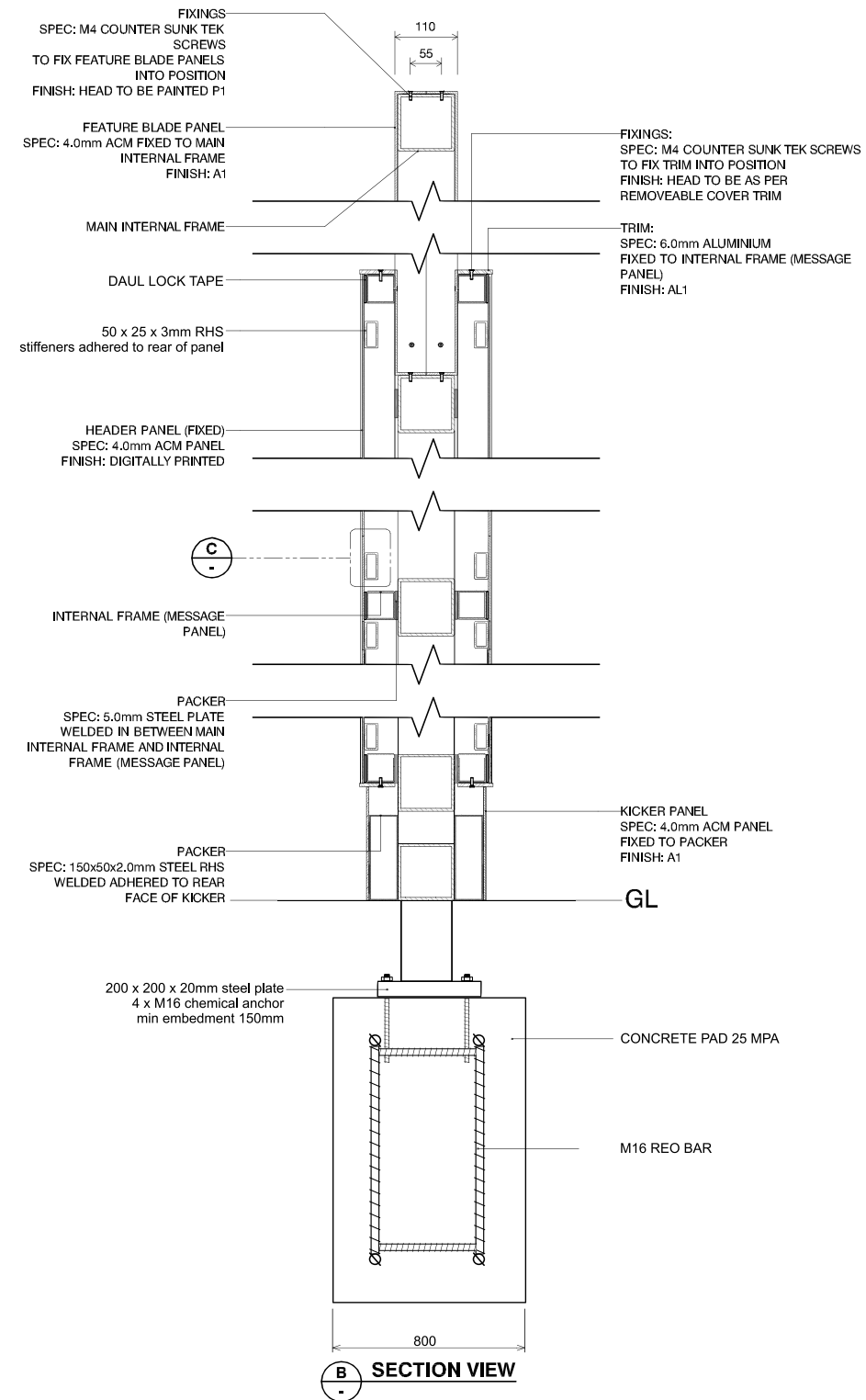
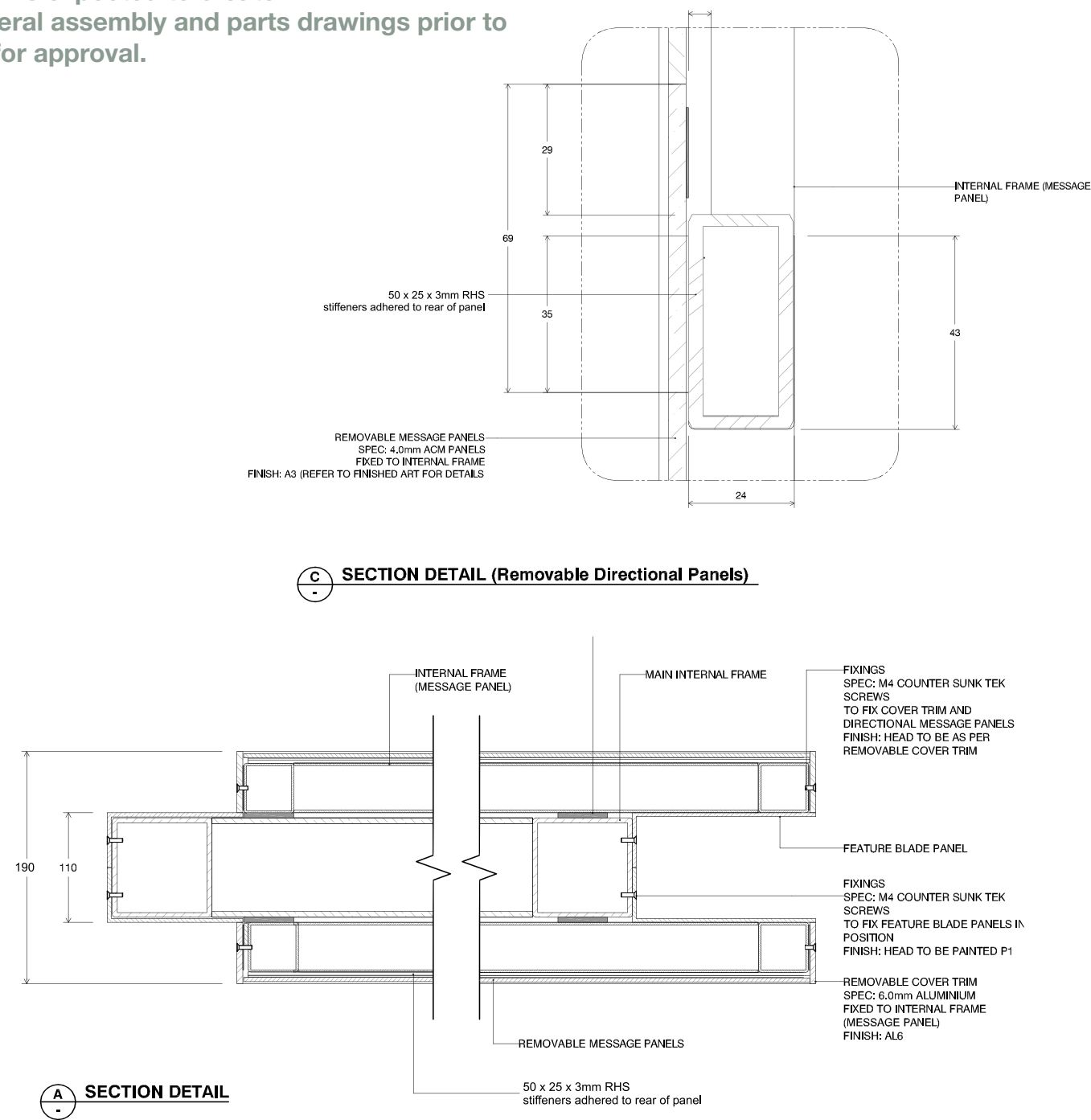
SIDE ELEVATION

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Vehicle Directional Precinct
Free-standing - Primary
(VEH_DIR_PRE_FS_P)
Construction Drawings

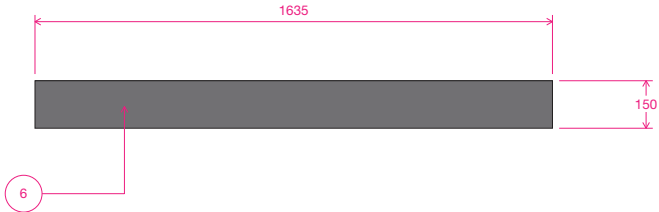




Precinct Identification
Free-standing - Secondary
(PRE_ID_FS_S)
Layout Page

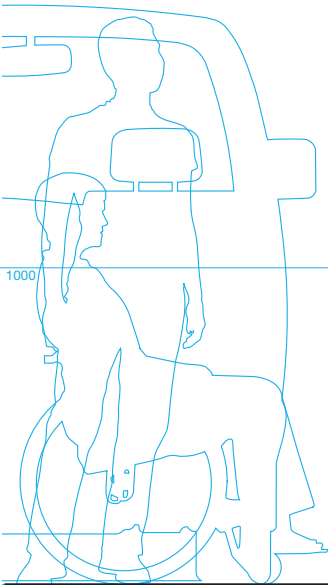
- 1
- HEADER PANEL:
COLOUR CODED PRECINCT PANEL
INTRACUT ACM SHEET
- 2
- HEADER /PRECINCT TEXT: 94mm CAPS
INTERNAL LED ILLUMINATION TO BOTH SIDES
OPAL ACRYLIC LETTER (EXPRESSED 4mm)
FONT- MYRIAD PRO SEMI-CONDESED BOLD
- 3
- SCAN Q CODE LINK PANEL:
TO LINK USER VIA CODE SCANNING TECHNOLOGY
TO ONLINE CAMPUS MAP
DIGITALLY PRINTED
- 4
- JCU BRANDING PANEL:
FULL COLOUR, REVERSE LOGO WITH GRADIENT
BACKGROUND,
DIGITALLY PRINTED
- 5
- PRIMARY SIGN FACE HOUSING:
DURABLE GALVANISED STEEL SURROUND
MOUNTED TO INTERNAL STEEL FRAMEWORK.
- NOTE:
ALL PANELS INTERCHANGEABLE WITH NO VISBLE
FIXINGS HIDDEN BEHIND BACKING PANEL.
ALL PANELS WITH PROTECTIVE 2 PACK CLEAR
COAT SATIN FINISH

4000

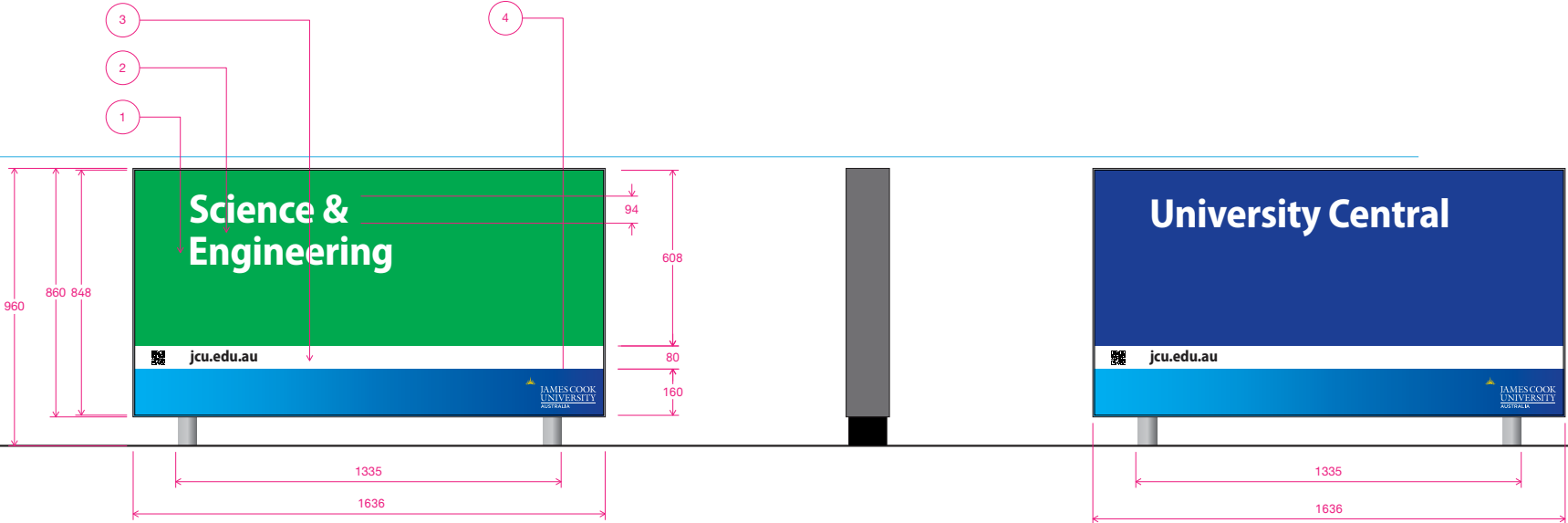


3000

2000



1000

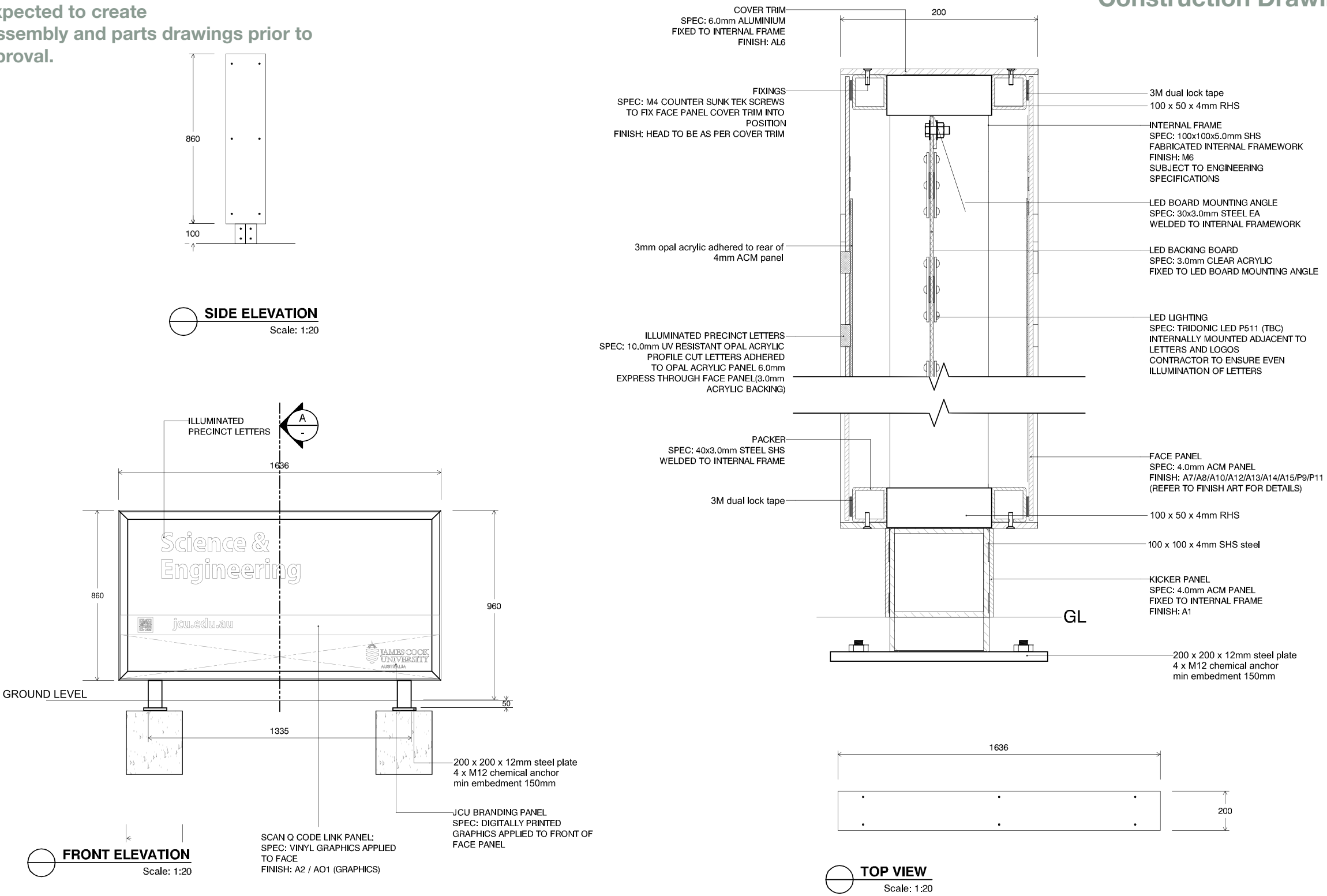


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Precinct Identification
Free-standing - Secondary
(PRE_ID_FS_S)
Construction Drawings

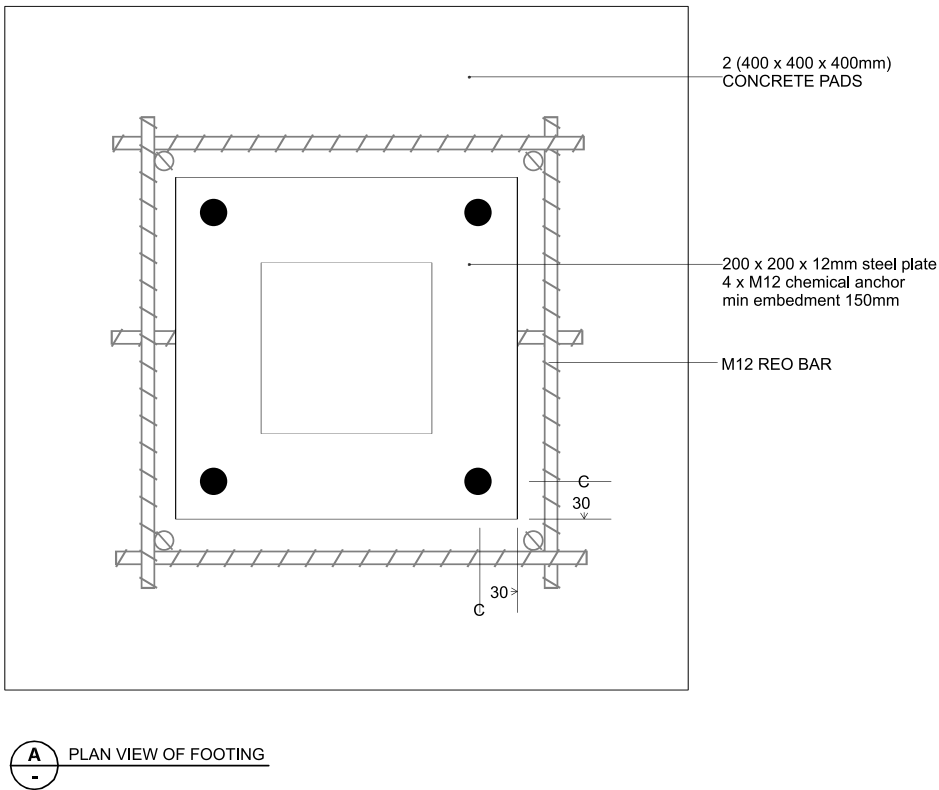
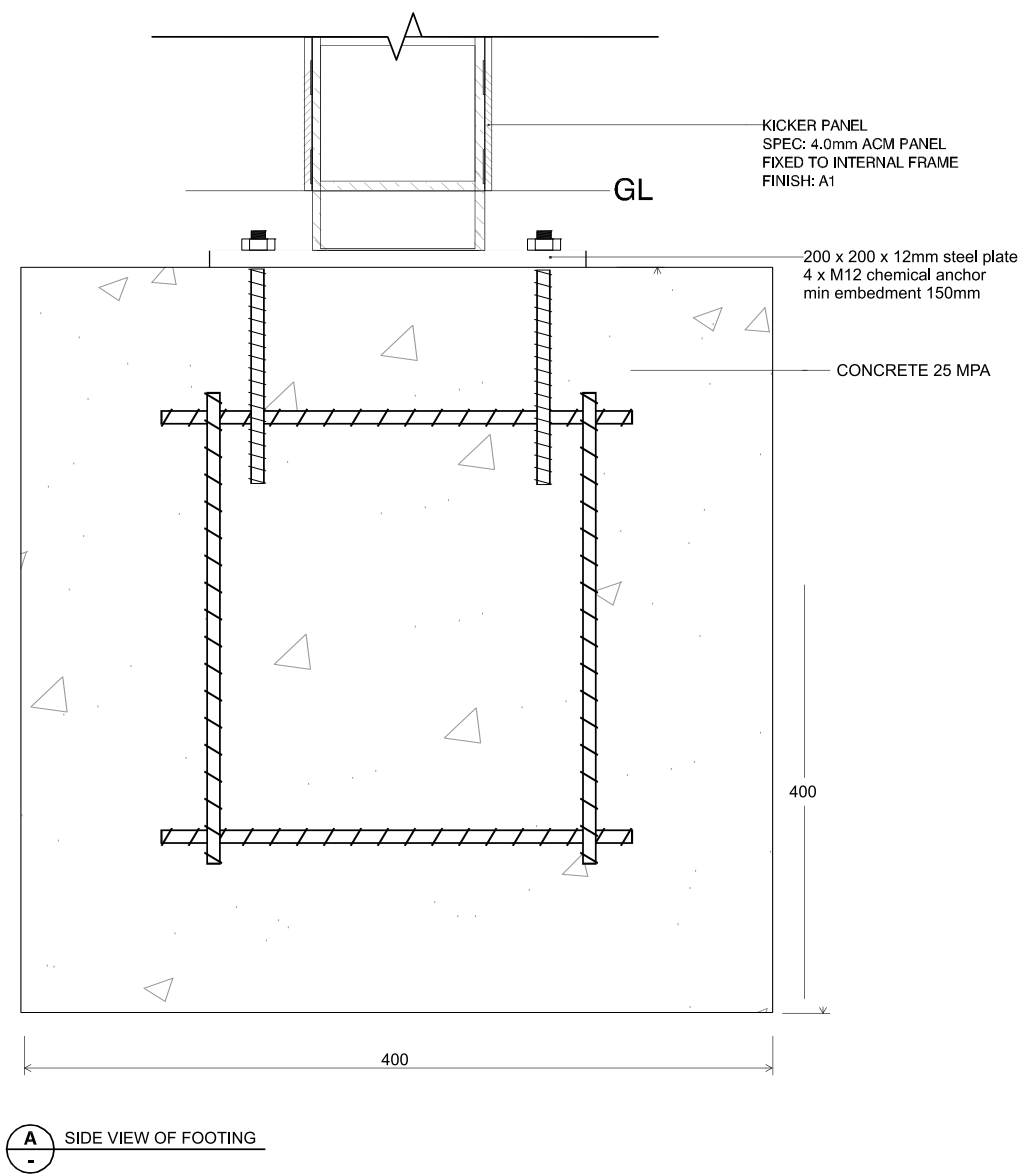


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Precinct Identification
Free-standing - Secondary
(PRE_ID_FS_S)
Construction Drawings

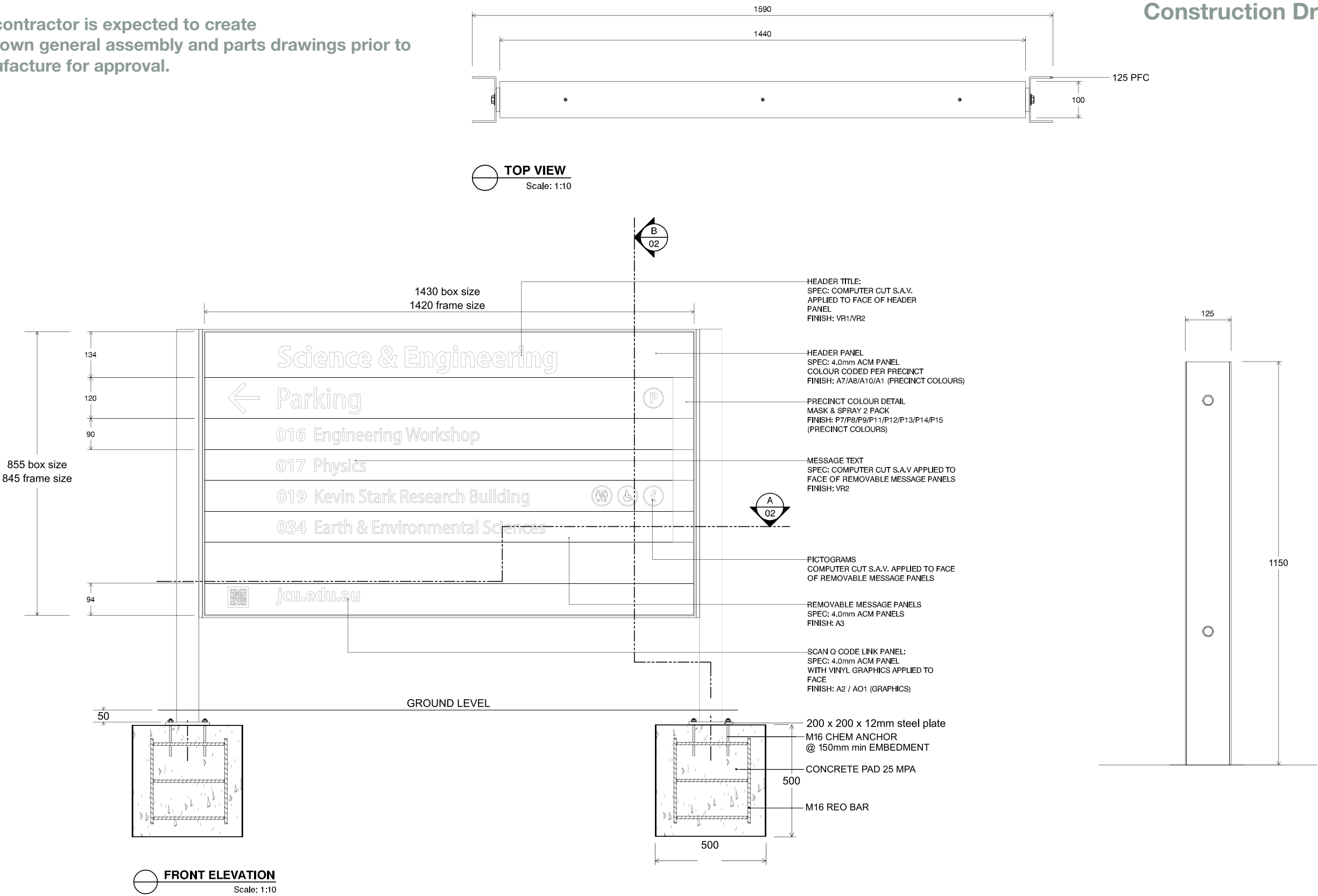


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Vehicle Directional
Free-standing - Secondary
(VEH_DIR_FS_S)
Construction Drawings

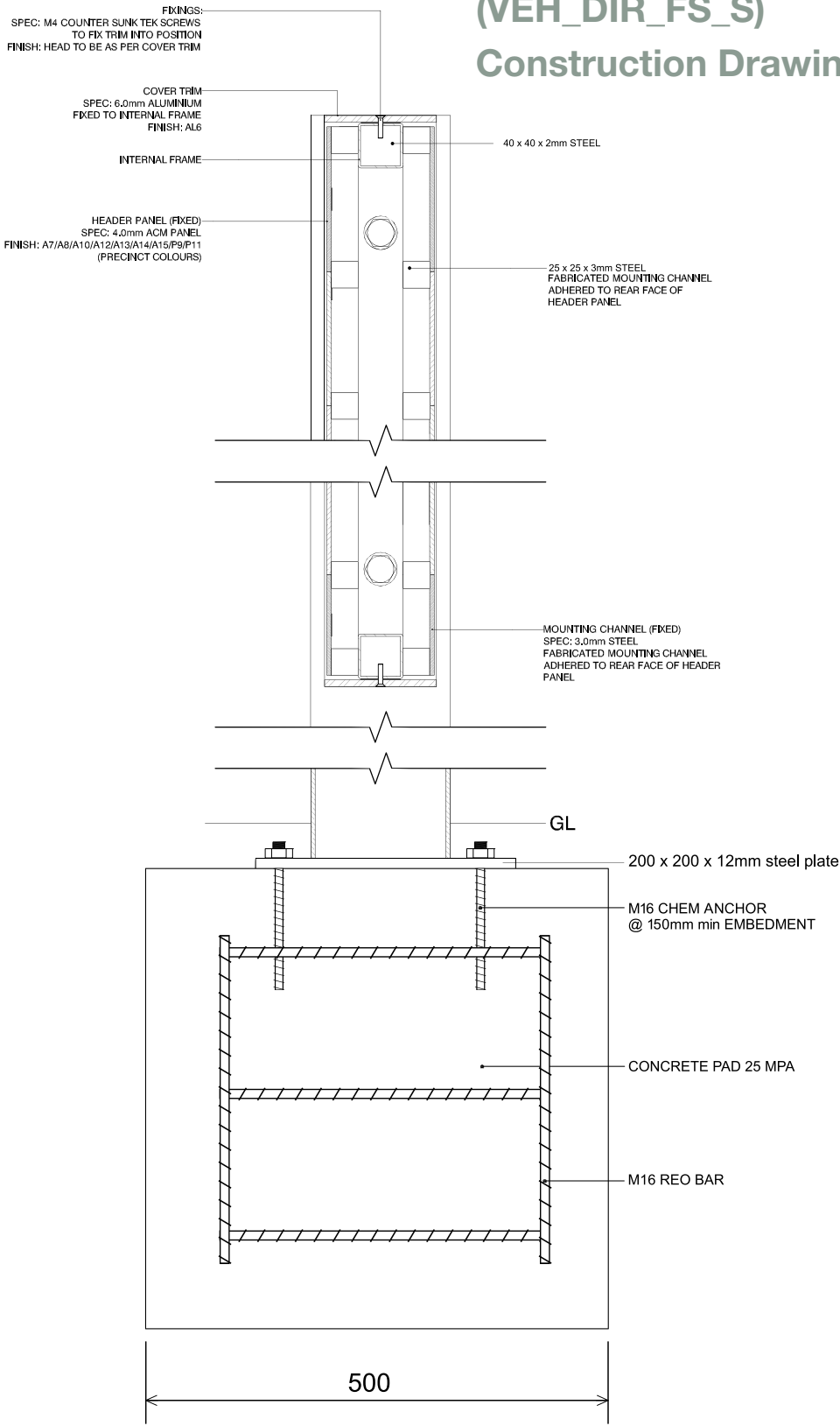
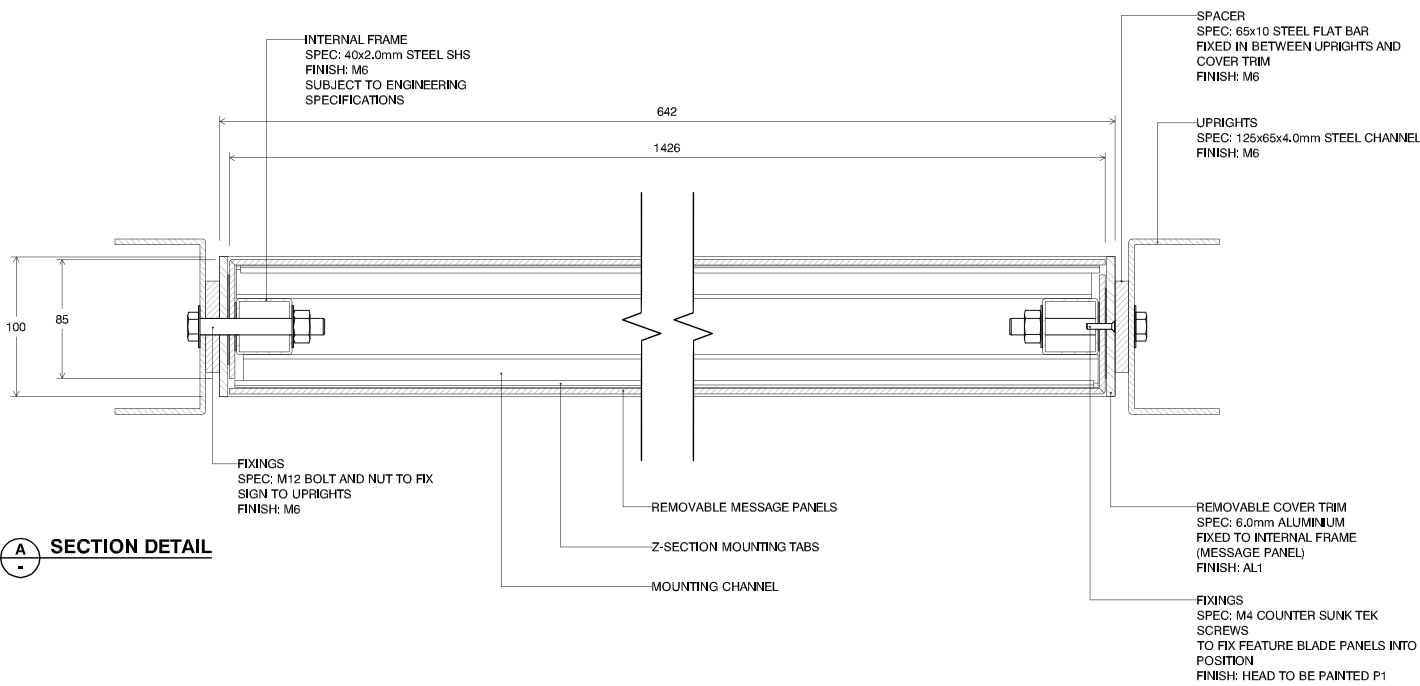


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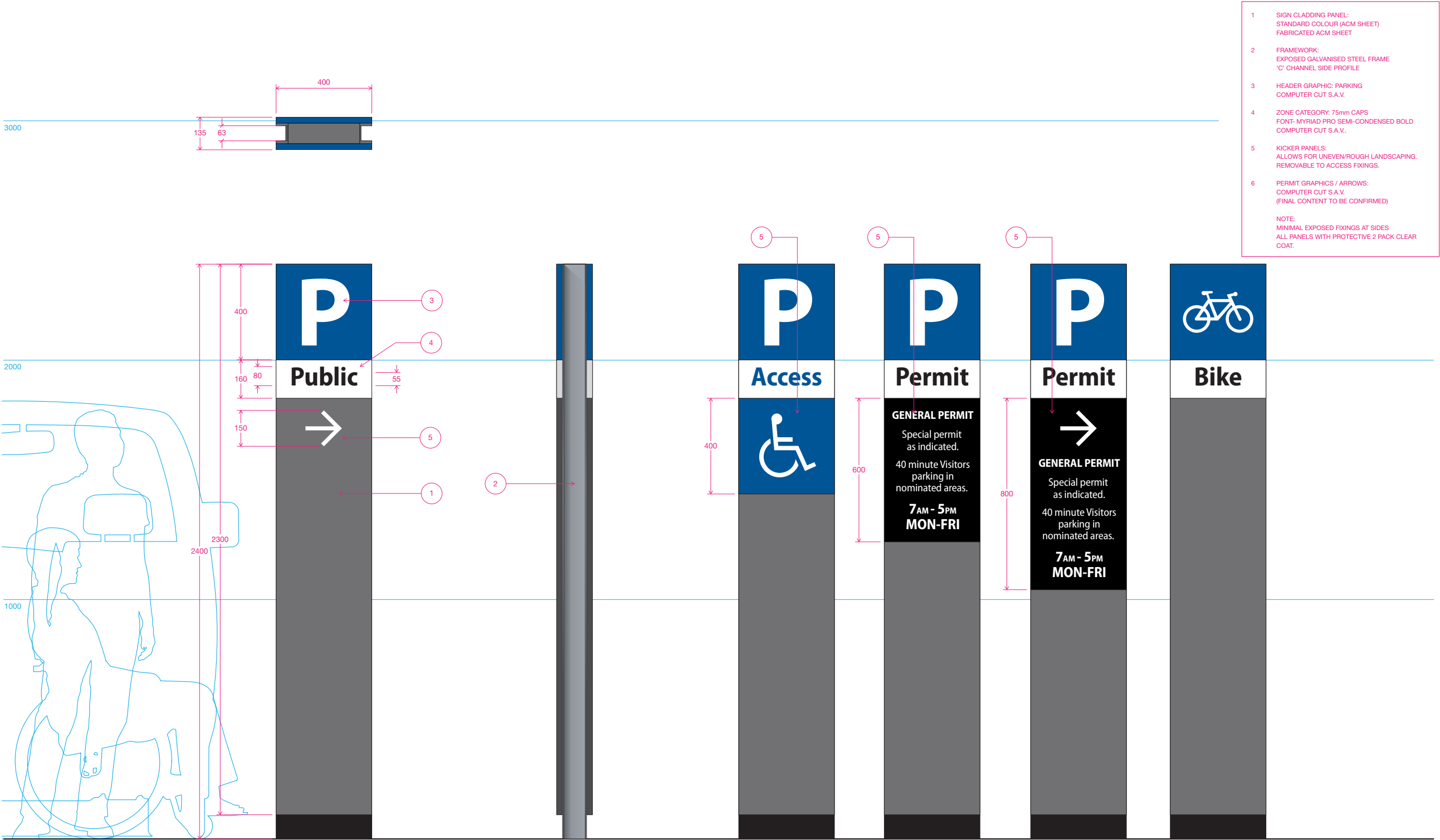
Vehicle Directional
Free-standing - Secondary
(VEH_DIR_FS_S)
Construction Drawings



Car park Identification
Free-standing

(CP_ID_FS)

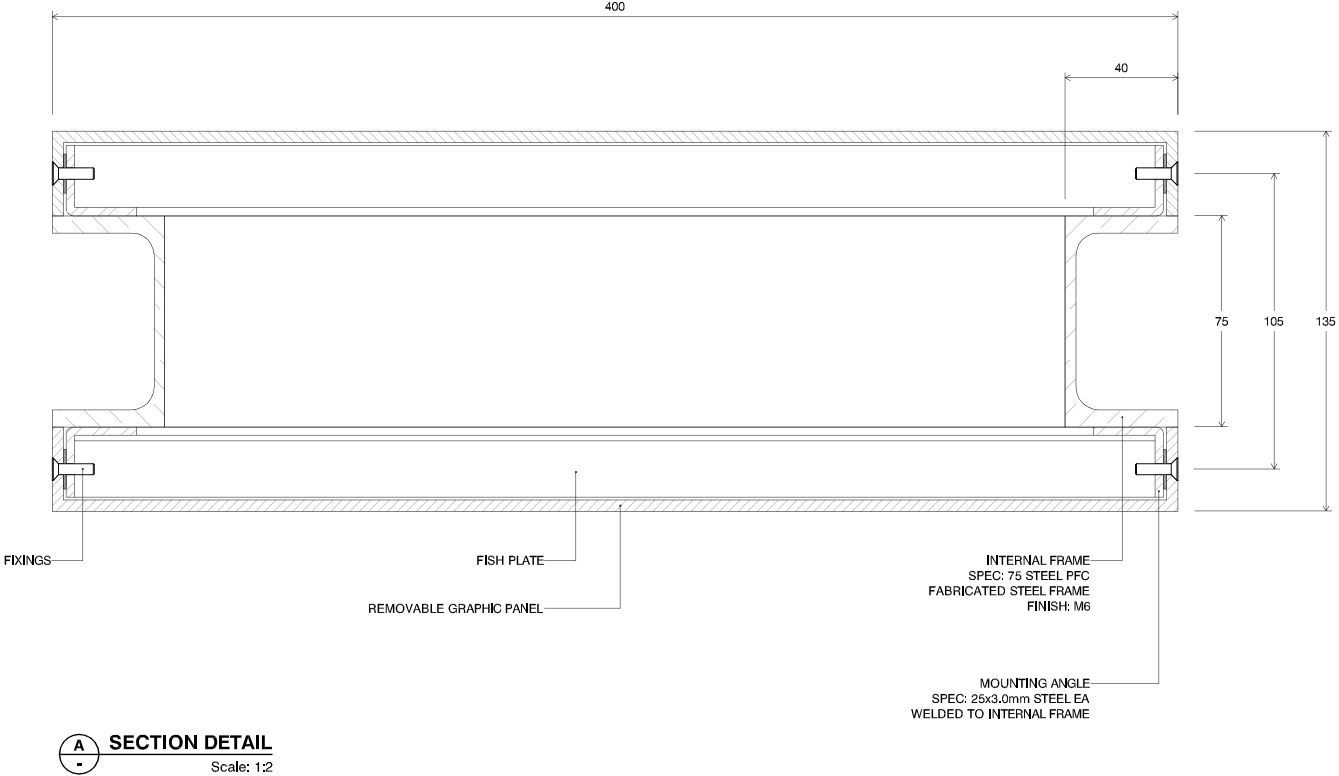
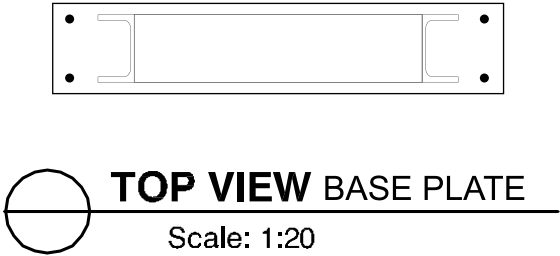
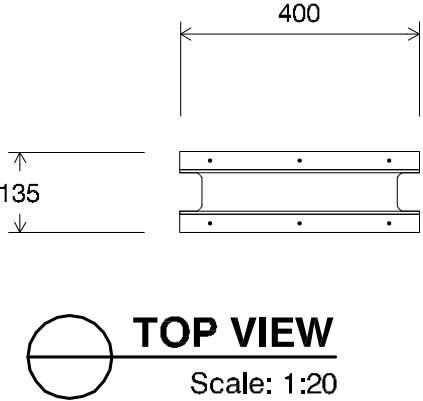
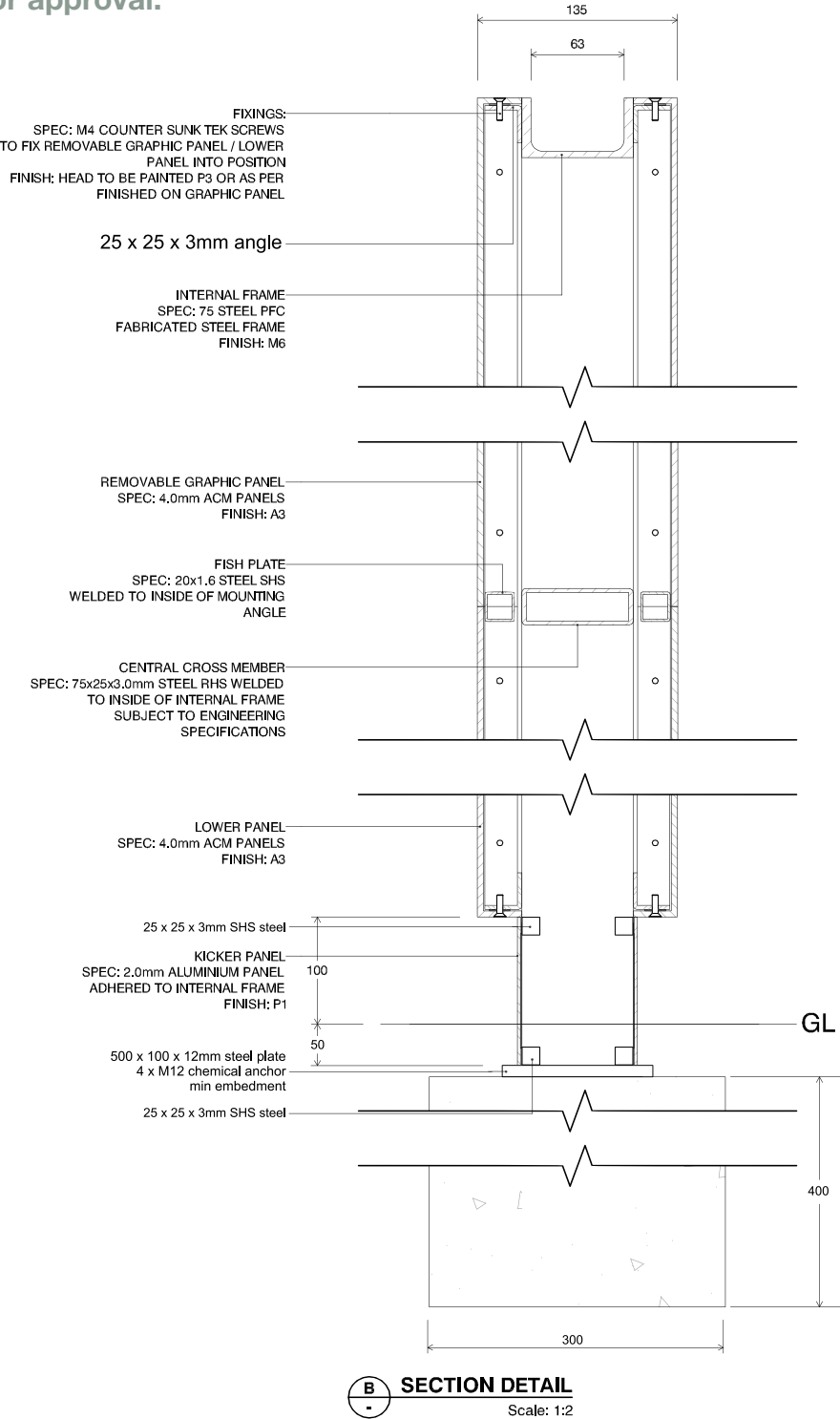
Layout Page



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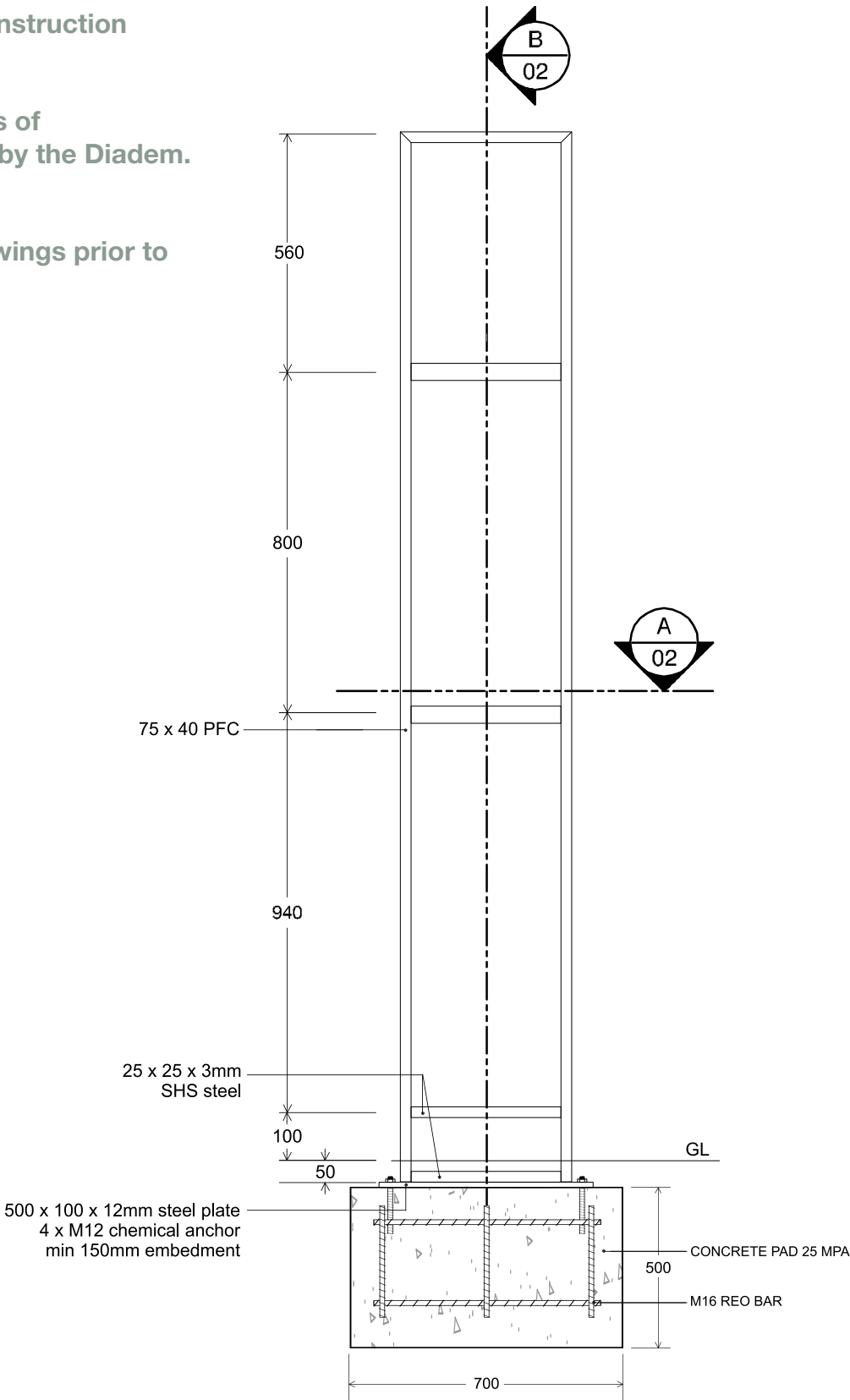
The contractor is expected to create their own general assembly and parts drawings prior to manufacture for approval.



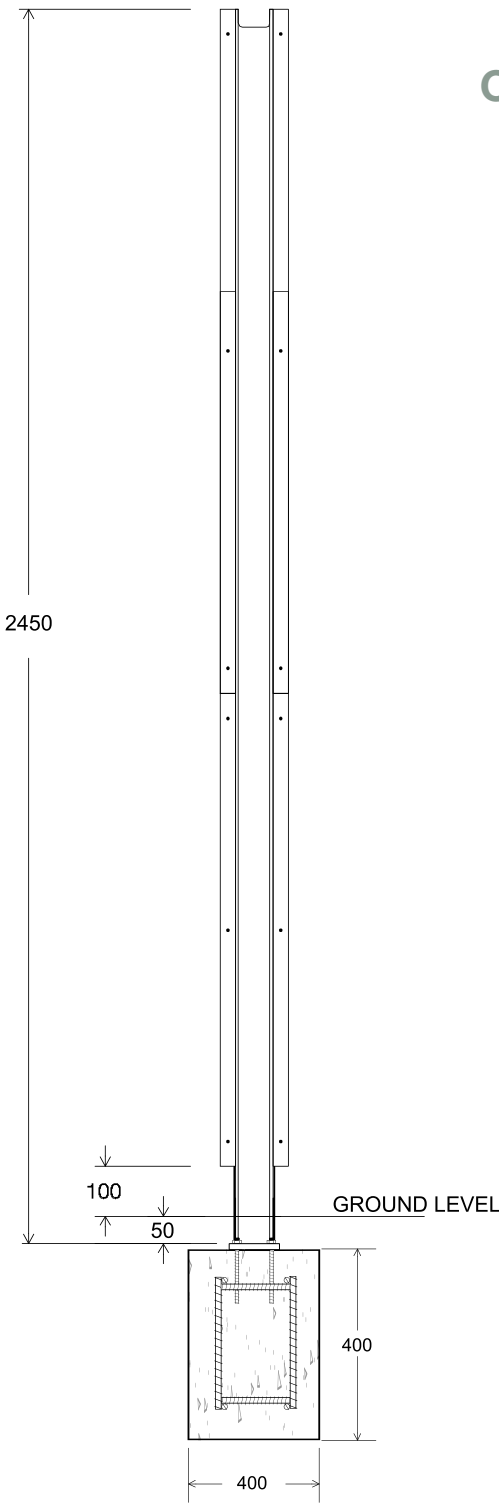
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FRONT ELEVATION
Scale: 1:20



SIDE ELEVATION
Scale: 1:20

Car park Identification Free-standing

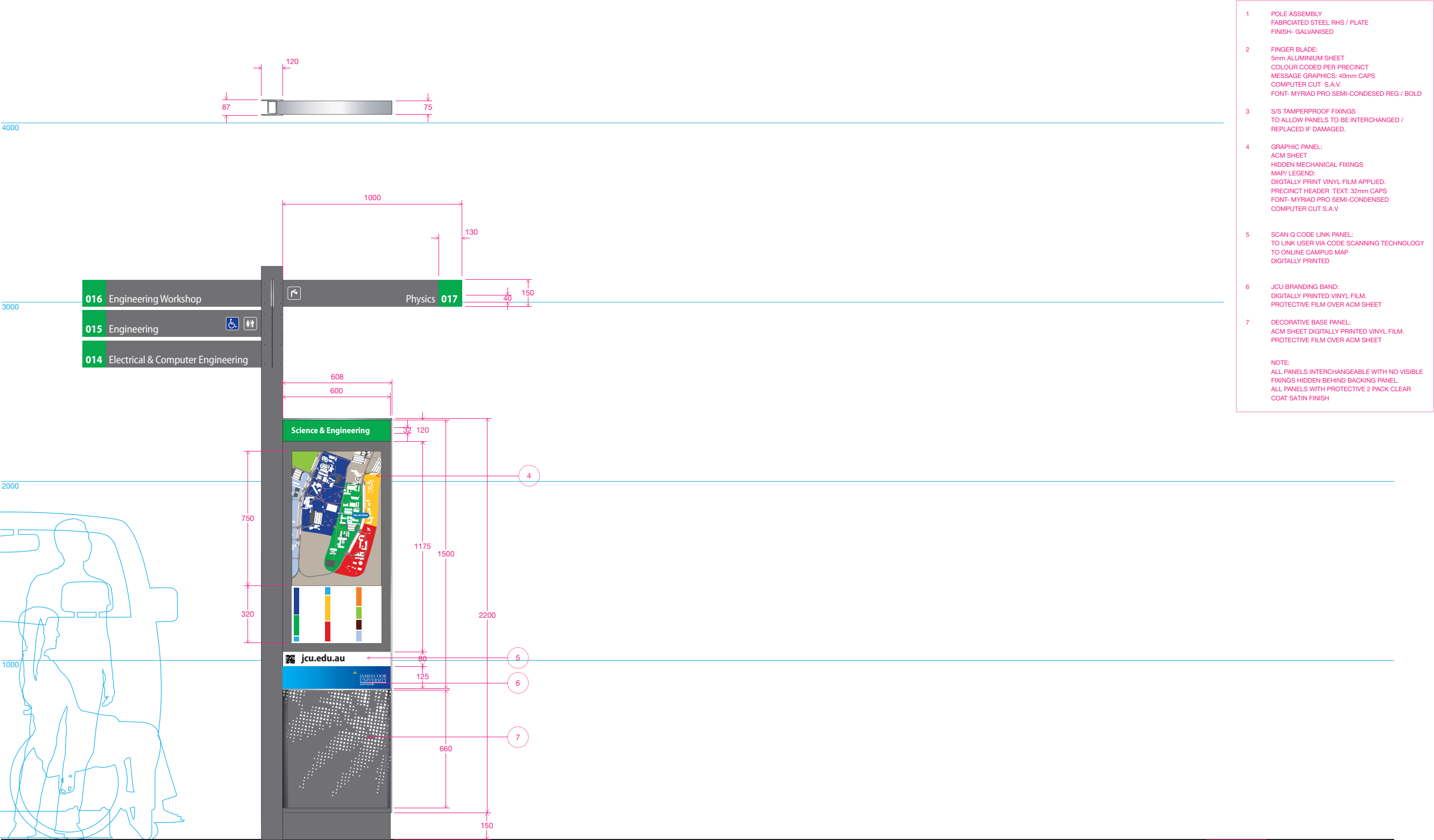
(CP_ID_FS)

Construction Drawings

Pedestrian Directional
Free-standing - Primary

(PED_DIR_FS_P)

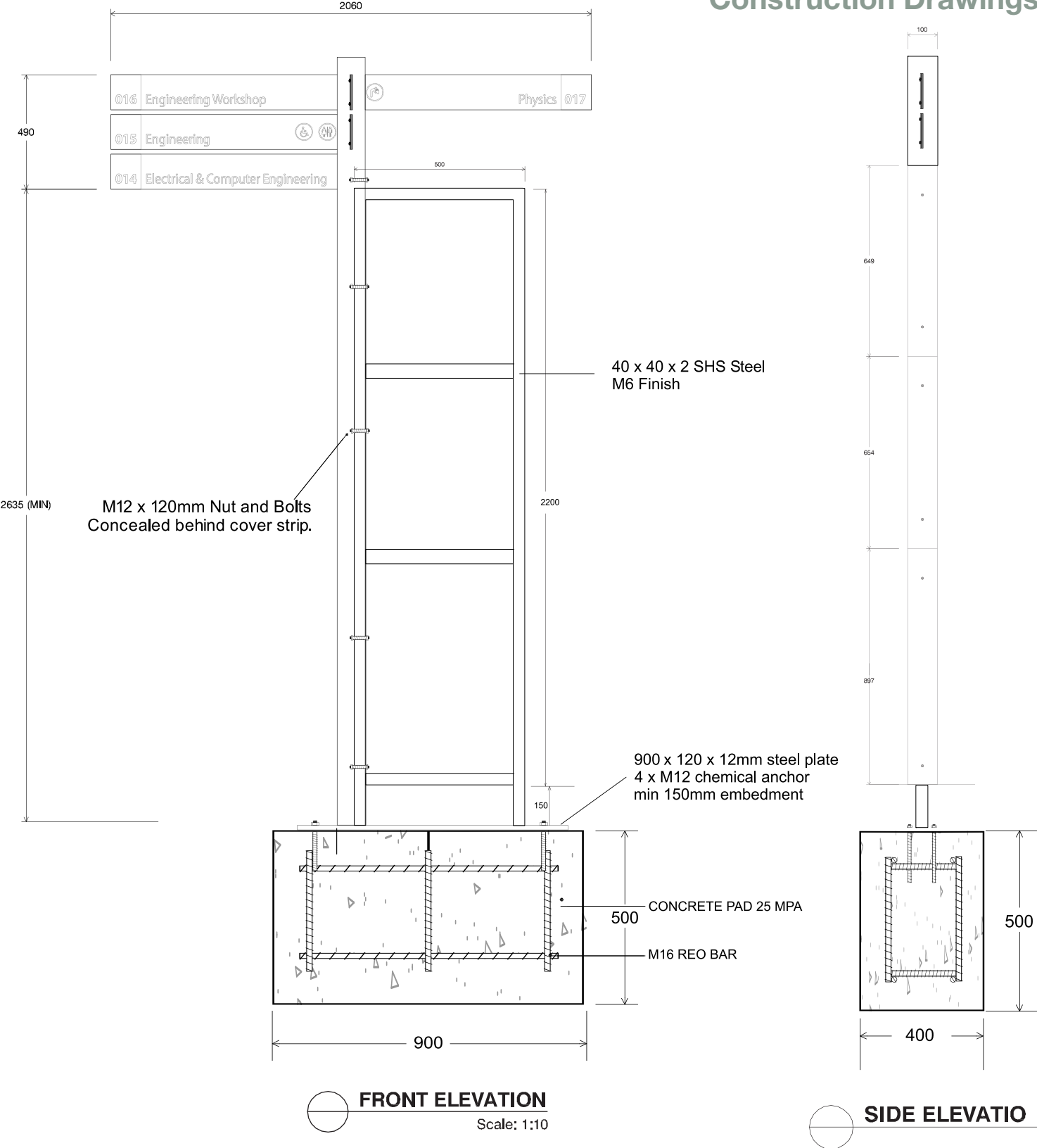
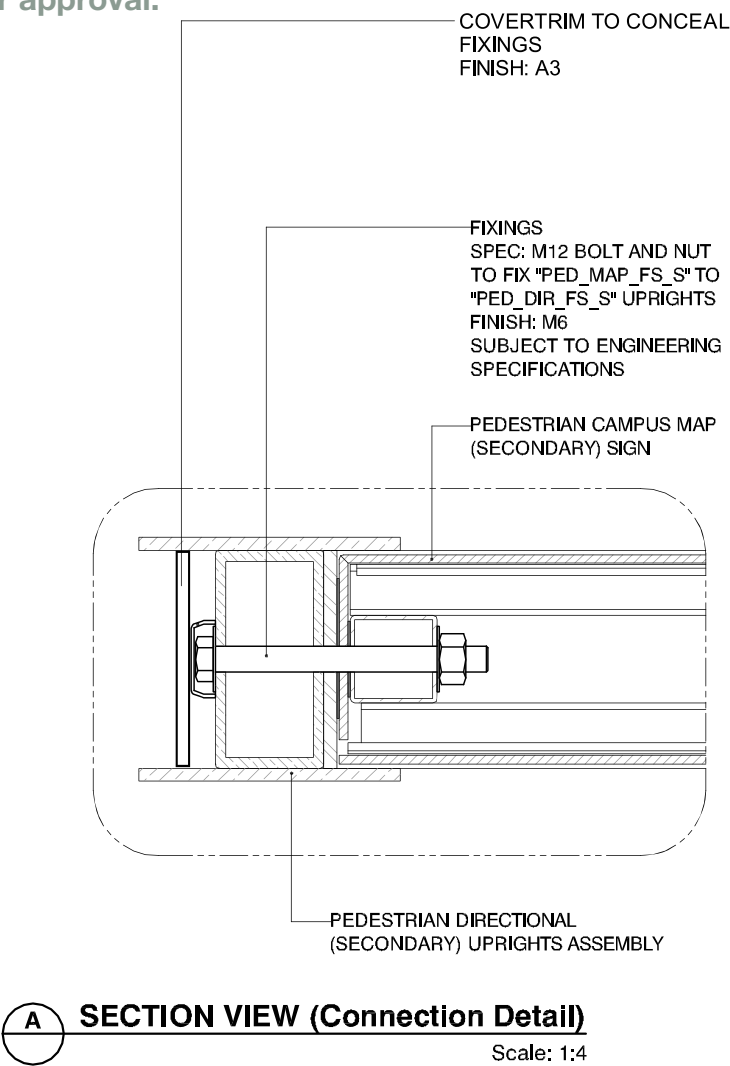
Layout Page



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Pedestrian Directional Free-standing - Primary

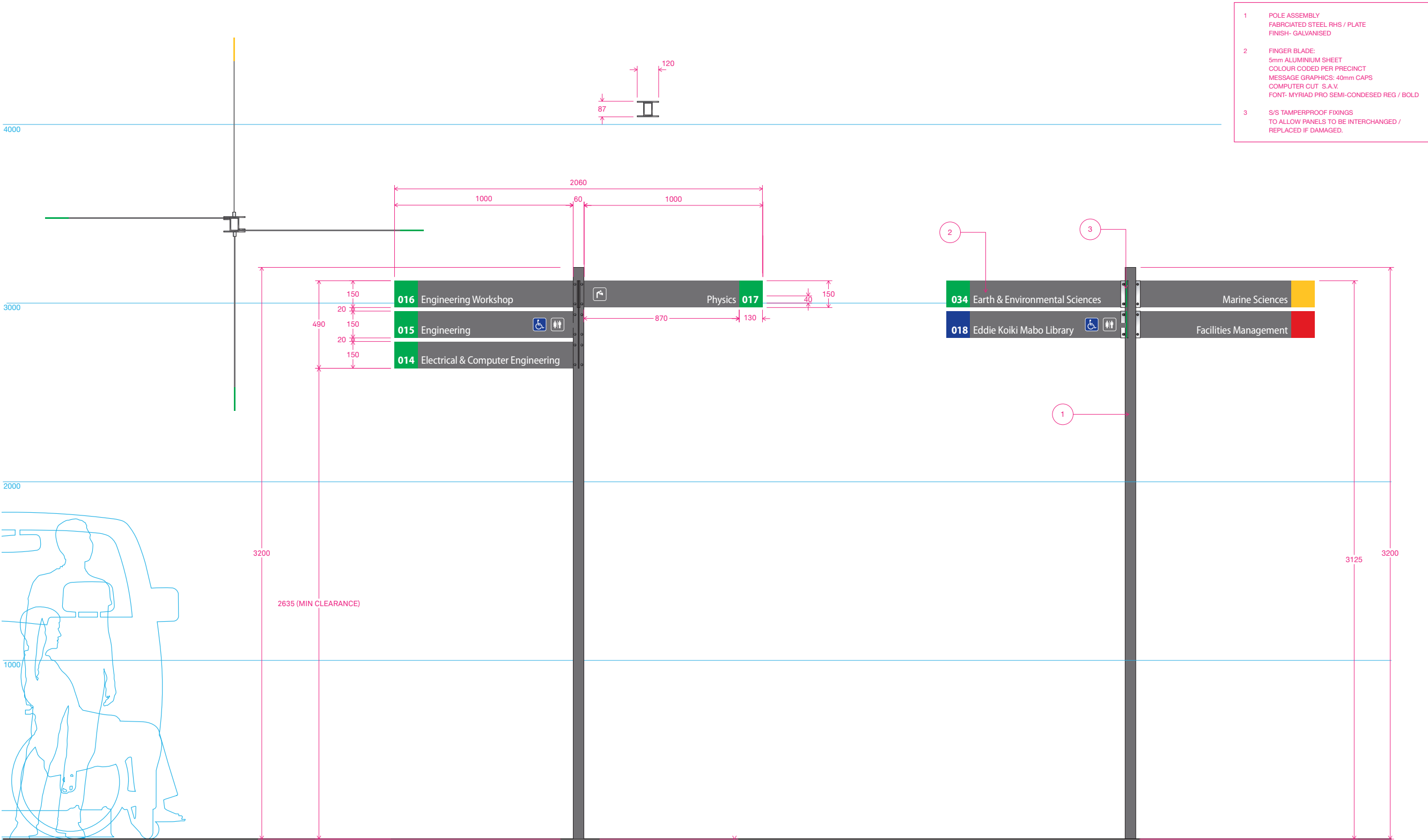
(PED_DIR_FS_P)

Construction Drawings

Pedestrian Directional
Free-standing - Secondary

(PED_DIR_FS_S)

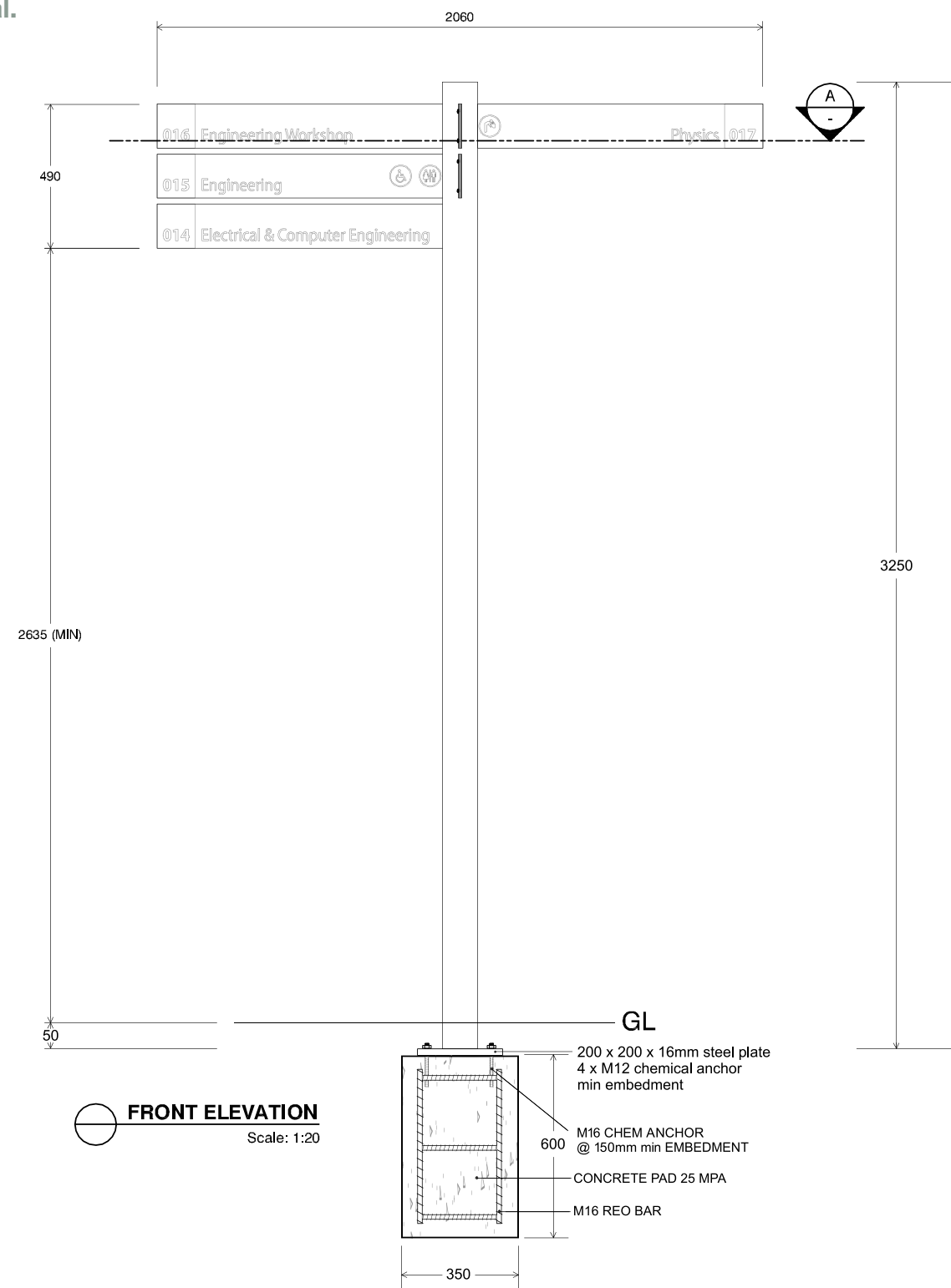
Layout Page



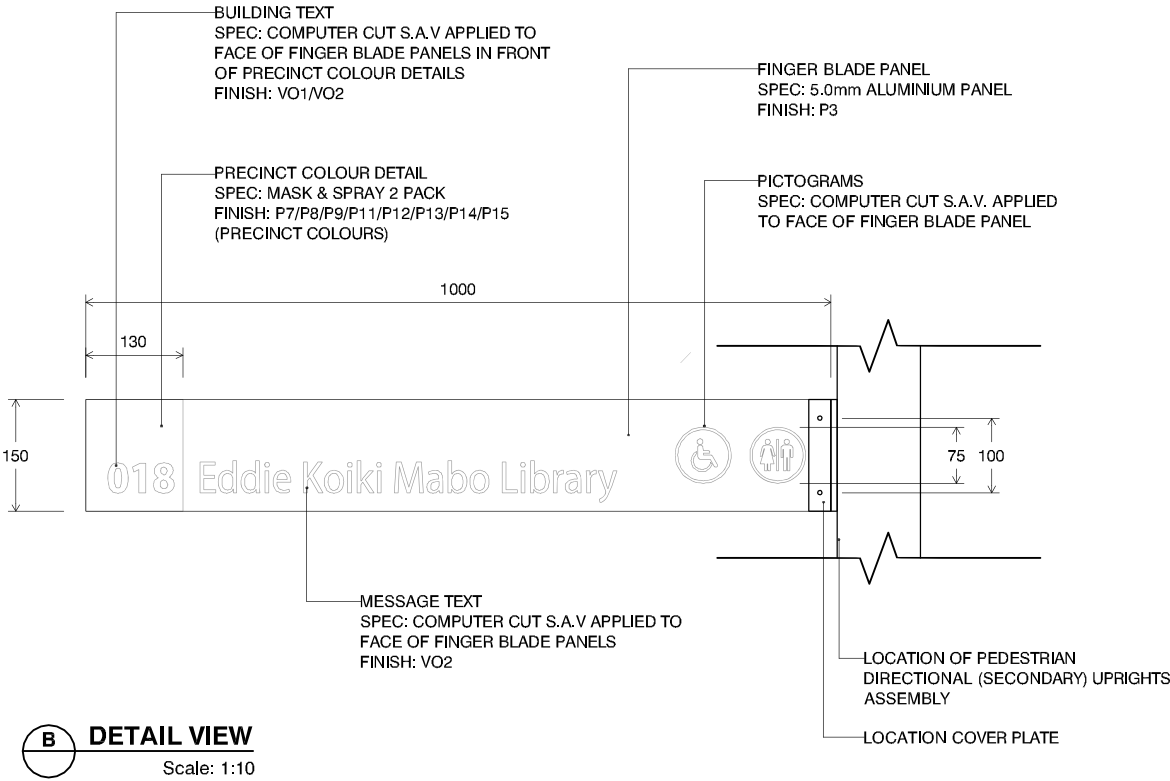
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FRONT ELEVATION
Scale: 1:20



DETAIL VIEW
Scale: 1:10

Pedestrian Directional Free-standing - Primary

(PED_DIR_FS_S)

Construction Drawings

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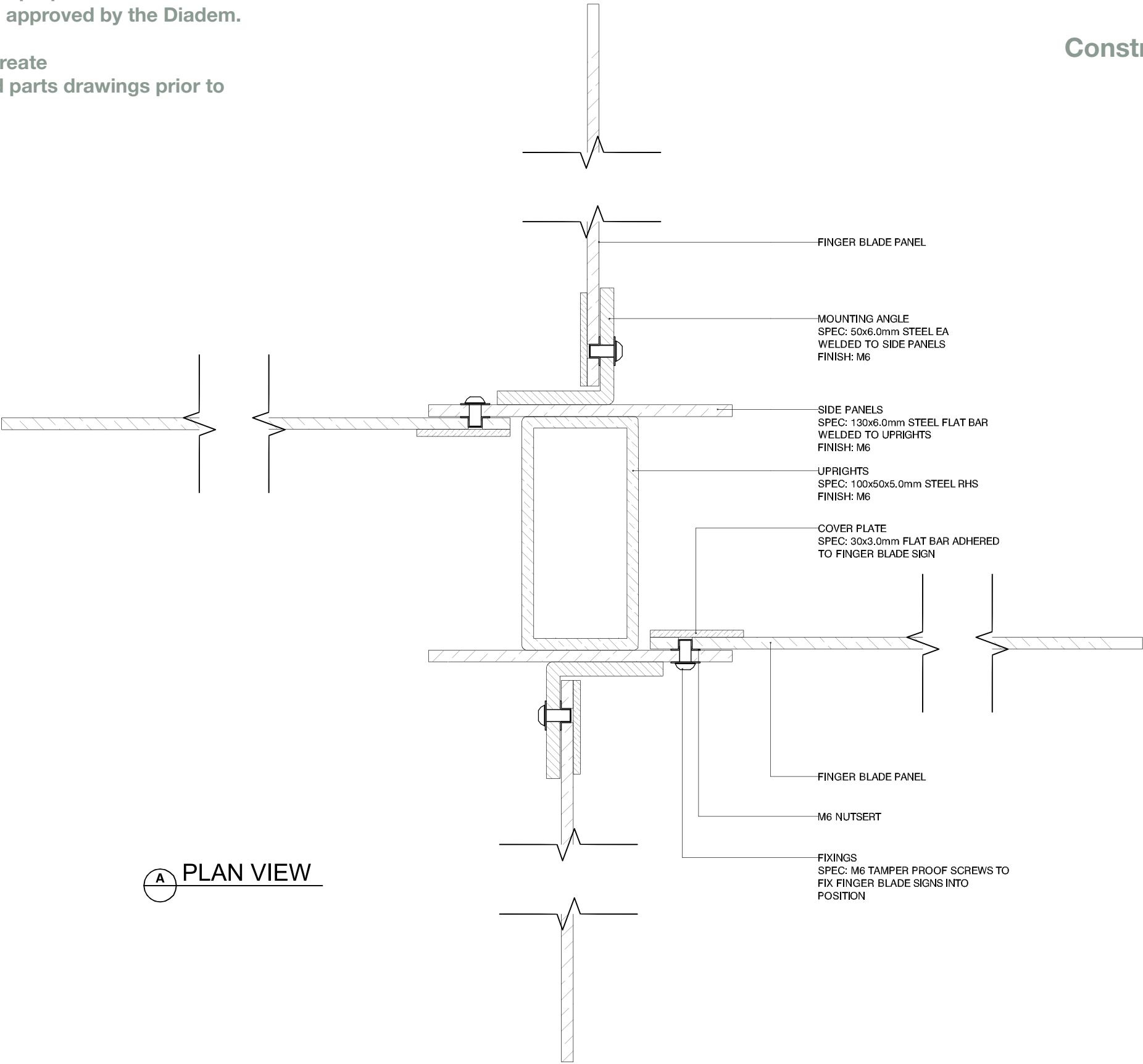
They should NOT be used for the purposes of manufacture until reviewed and approved by the Diadem.

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Pedestrian Directional
Free-standing - Primary

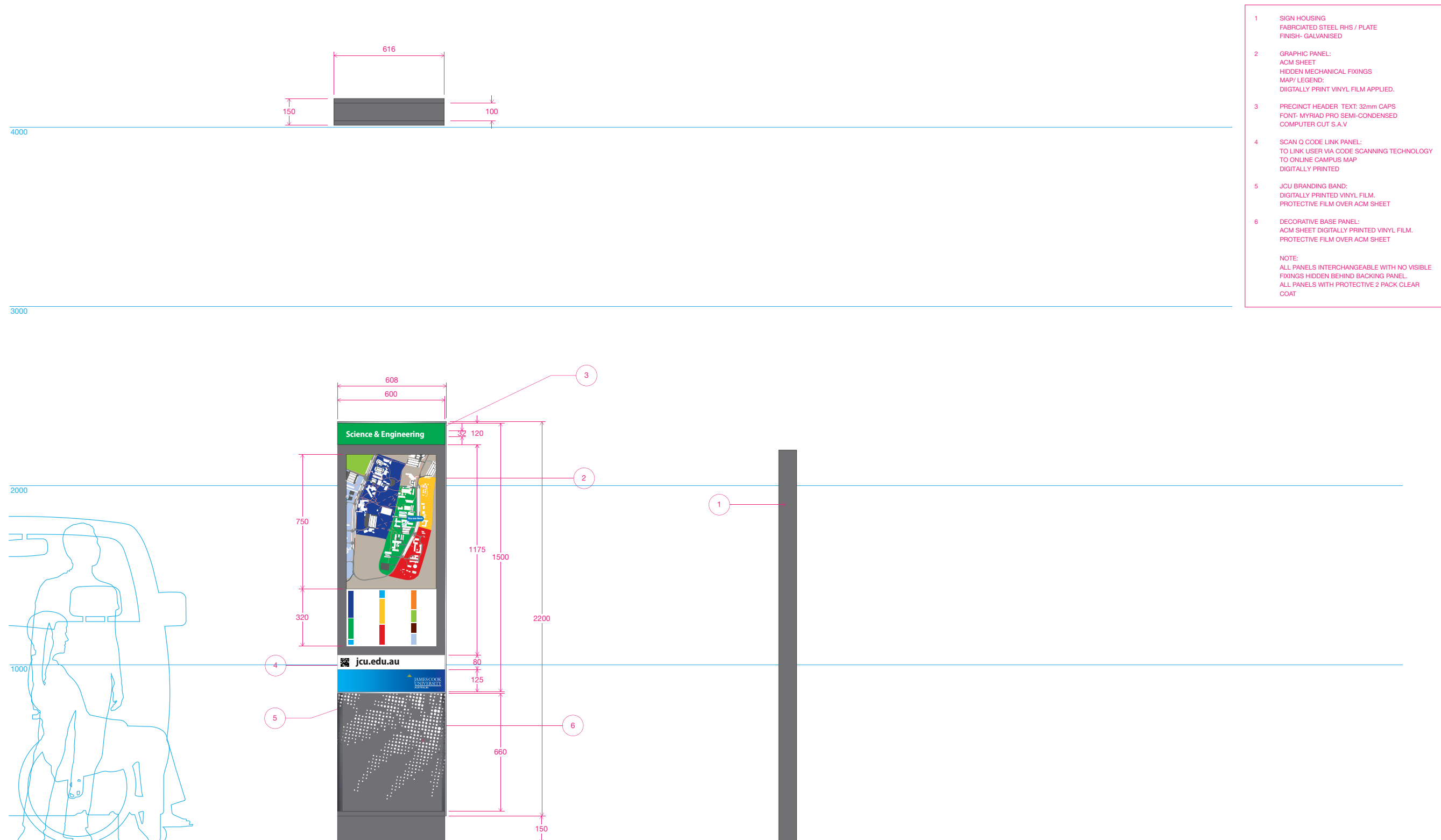
(PED_DIR_FS_S)

Construction Drawings



(PED_MAP_FS_S)

Layout Page



These drawings are for information and guidance only, and show preferred construction details and methods of manufacture.

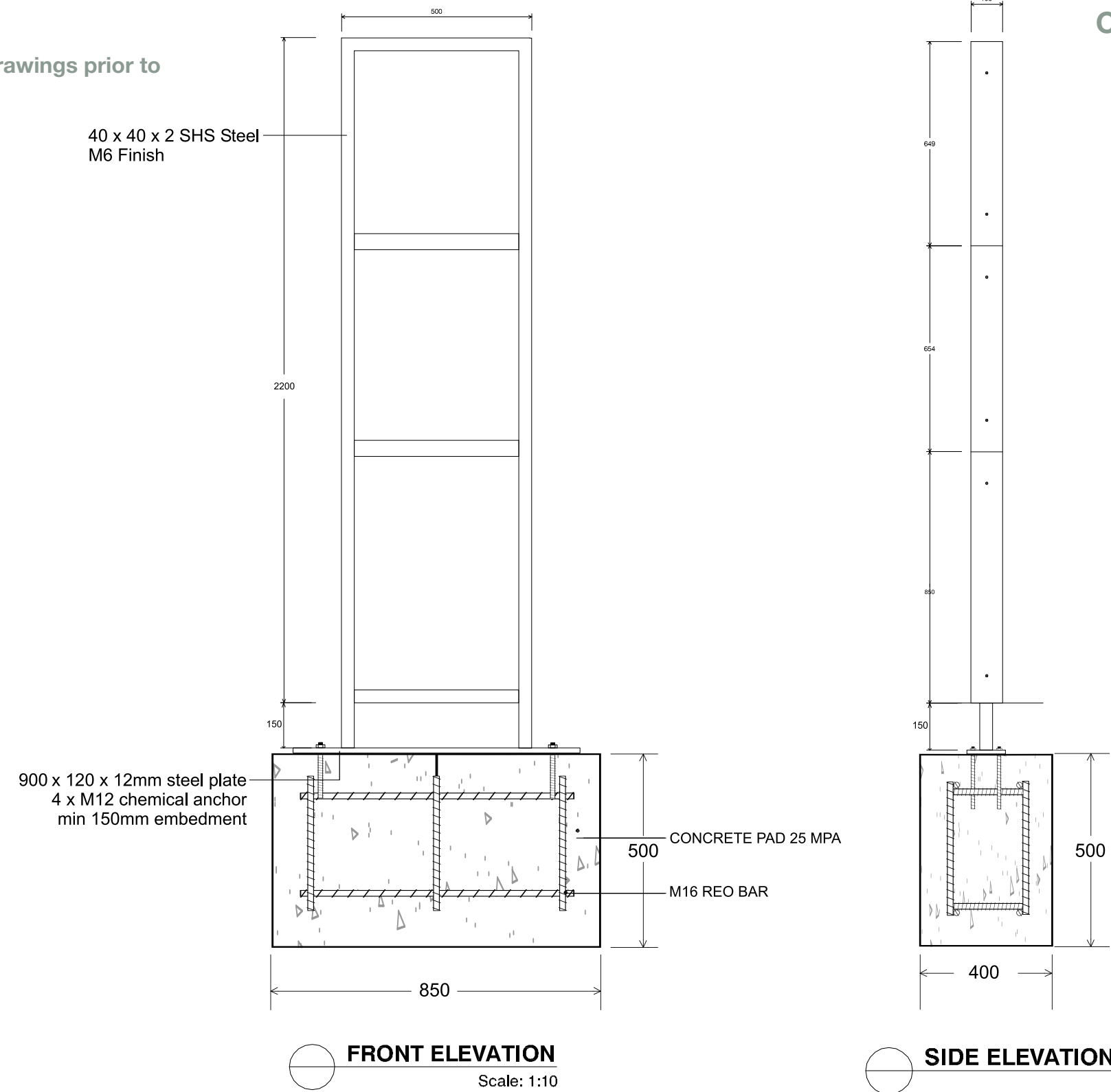
They should NOT be used for the purposes of manufacture until reviewed and approved by the Diadem.

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Pedestrian Map
Free-standing - Primary

(PED_MAP_FS_S)

Construction Drawings



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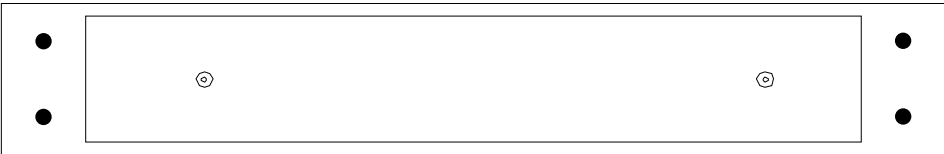
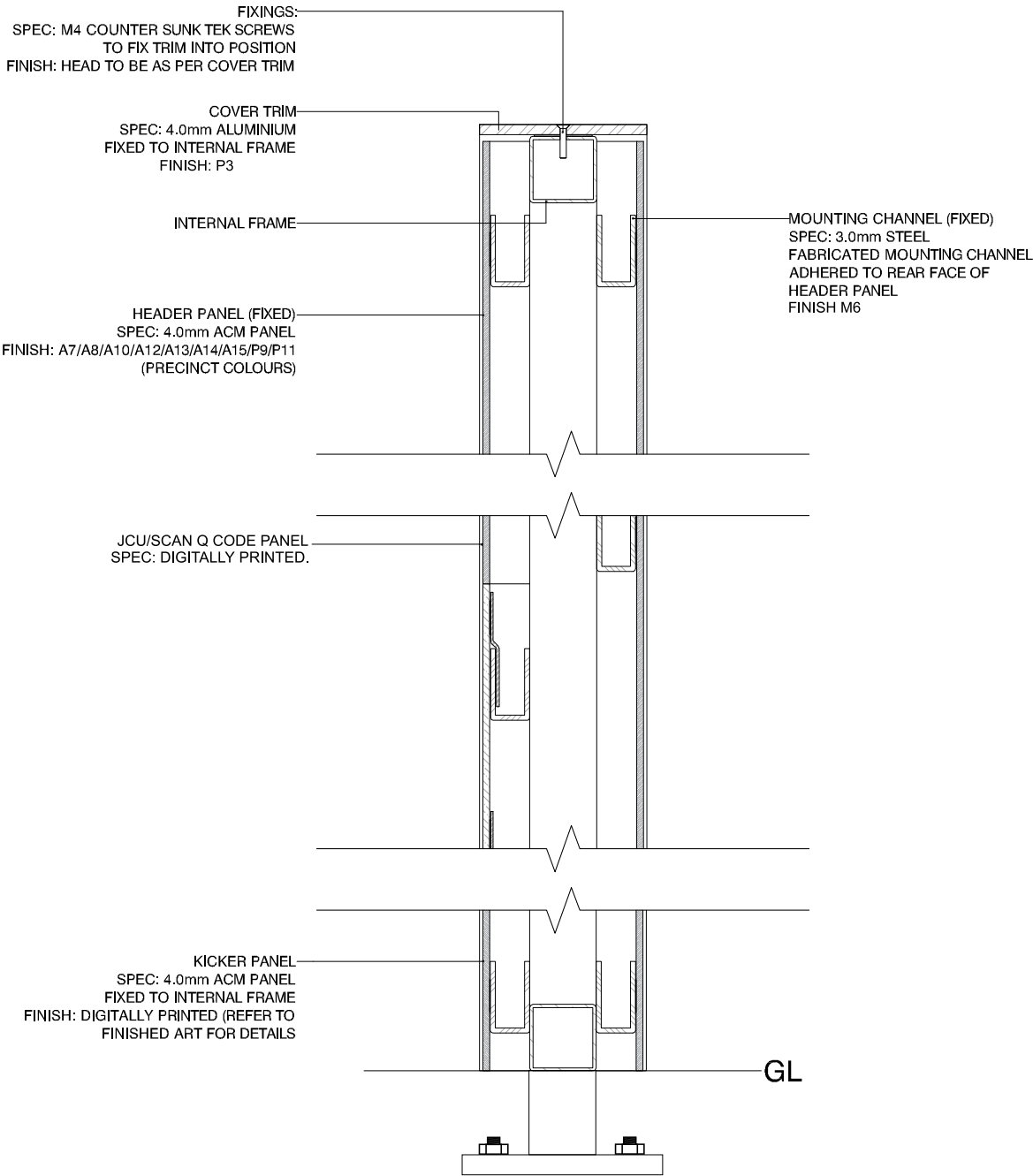
They should NOT be used for the purposes of manufacture until reviewed and approved by the Diadem.

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Pedestrian Map
Free-standing - Primary

(PED_MAP_FS_S)

Construction Drawings



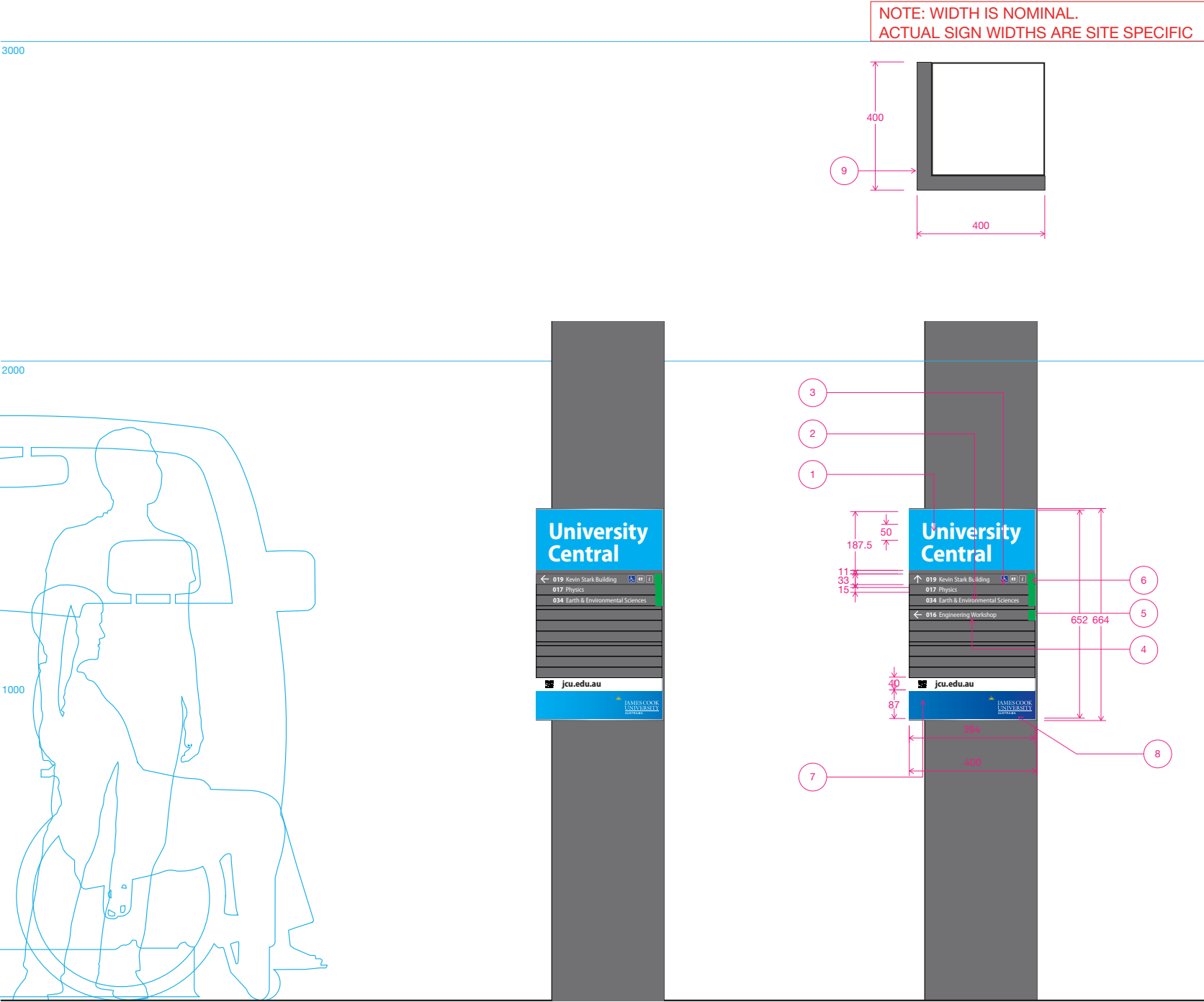
TOP VIEW BASE PLATE

B SECTION DETAIL

Pedestrian Directional
Wall-mounted - Secondary

(PED_DIR_WM_S)

Layout Page

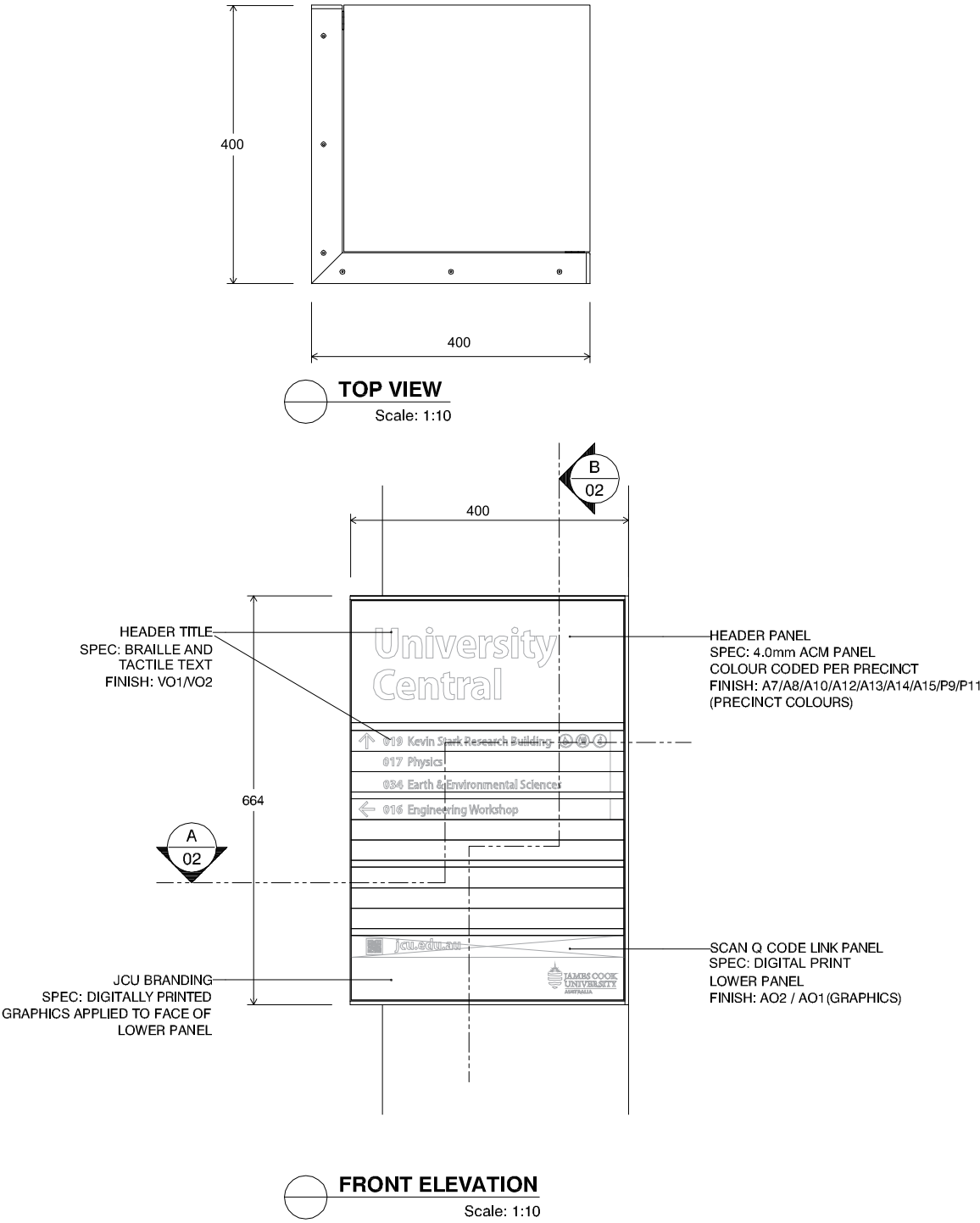


- 1 HEADER PANEL:
COLOUR CODED PRECINCT PANEL
FABRICATED ACM SHEET (90 deg FOLD)
 - 2 DIRECTIONAL MESSAGE PANELS:
INTERCHANGEABLE PANELS.
STANDARD BACKGROUND COLOUR IN TO ALLOW
FOR REPLACEMENT OF FADED/ DAMAGED PANELS.
 - 3 MESSAGE TEXT: 15mm CAPS
FONT- MYRIAD PRO SEMI-CONDENSED
 - 4 TACTILE / BRAILLE PANEL
SIGN PANEL APPLIED TO ACM SHEET
TO MEET AS 1428.2
 - 5 PRECINCT COLOUR DETAIL: 25x38mm
MASK & SPRAY 2 PACK
 - 6 PICTOGRAMS: 25x25mm
COMPUTER CUT S.A.V.
 - 7 SCAN Q CODE LINK PANEL:
TO LINK USER VIA CODE SCANNING TECHNOLOGY
TO ONLINE CAMPUS MAP
DIGITALLY PRINTED
 - 8 JCU BRANDING PANEL
FULL COLOUR REVERSE LOGO WITH GRADIENT
BACKGROUND.
DIGITALLY PRINTED
 - 9 PRIMARY SIGN FACE HOUSING:
ALUMINIUM SURROUND MOUNTED TO
STRUCTURAL BACKING WALL.
SPACERS TO ALLOW FOR DRAINAGE.
- NOTE:
ALL PANELS INTERCHANGEABLE WITH NO VISIBLE
FIXINGS HIDDEN BEHIND BACKING PANEL
ALL PANELS WITH PROTECTIVE 2 PACK CLEAR
COAT

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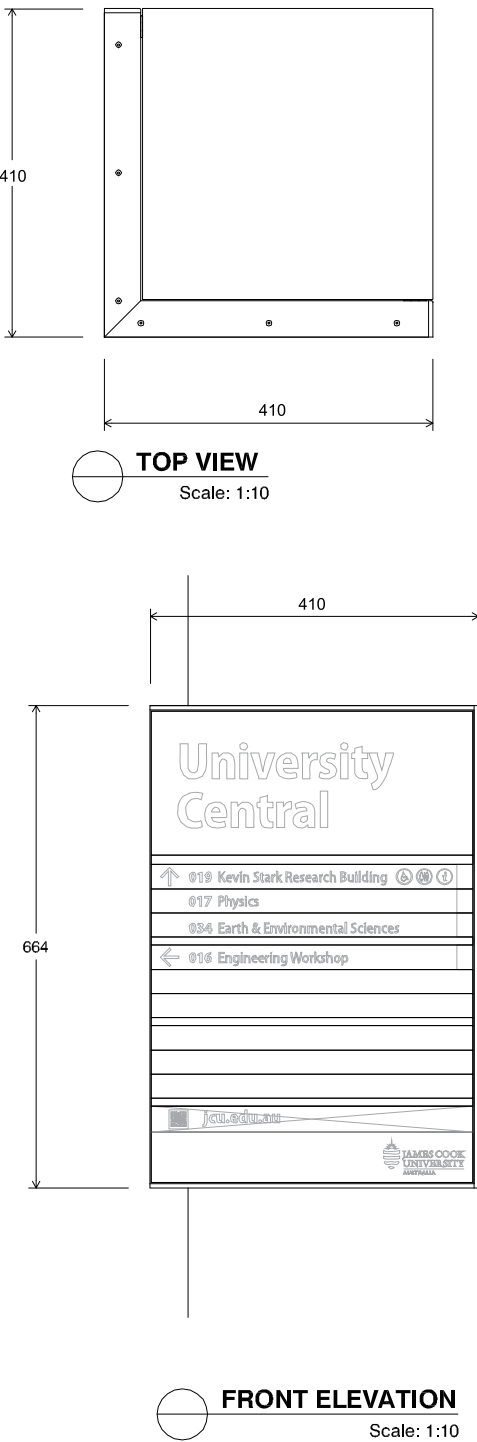
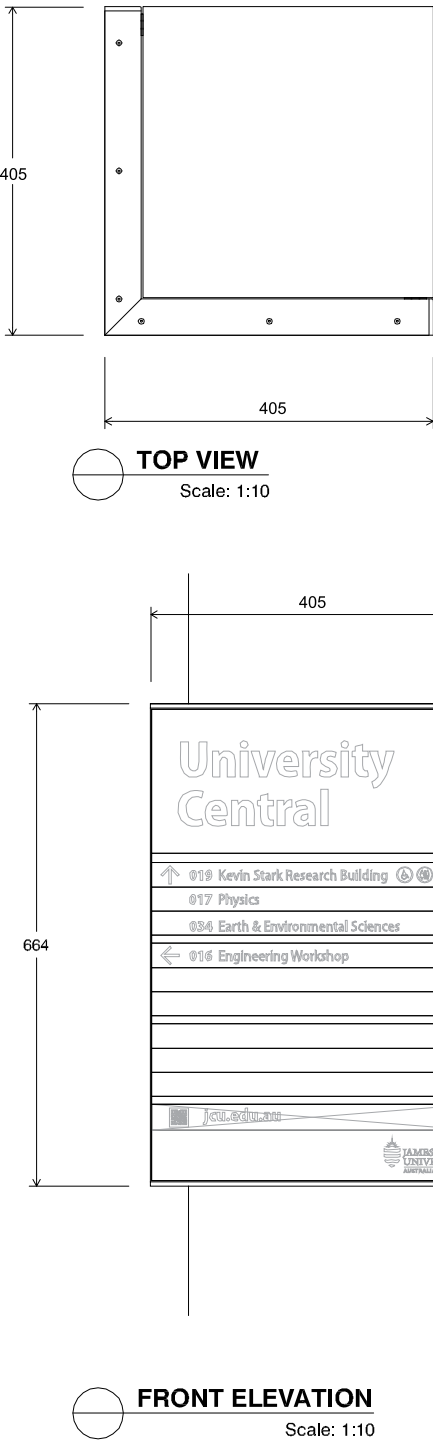
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Pedestrian Directional
Wall Mounted

(PED_DIR_WM_S)

Construction Drawings



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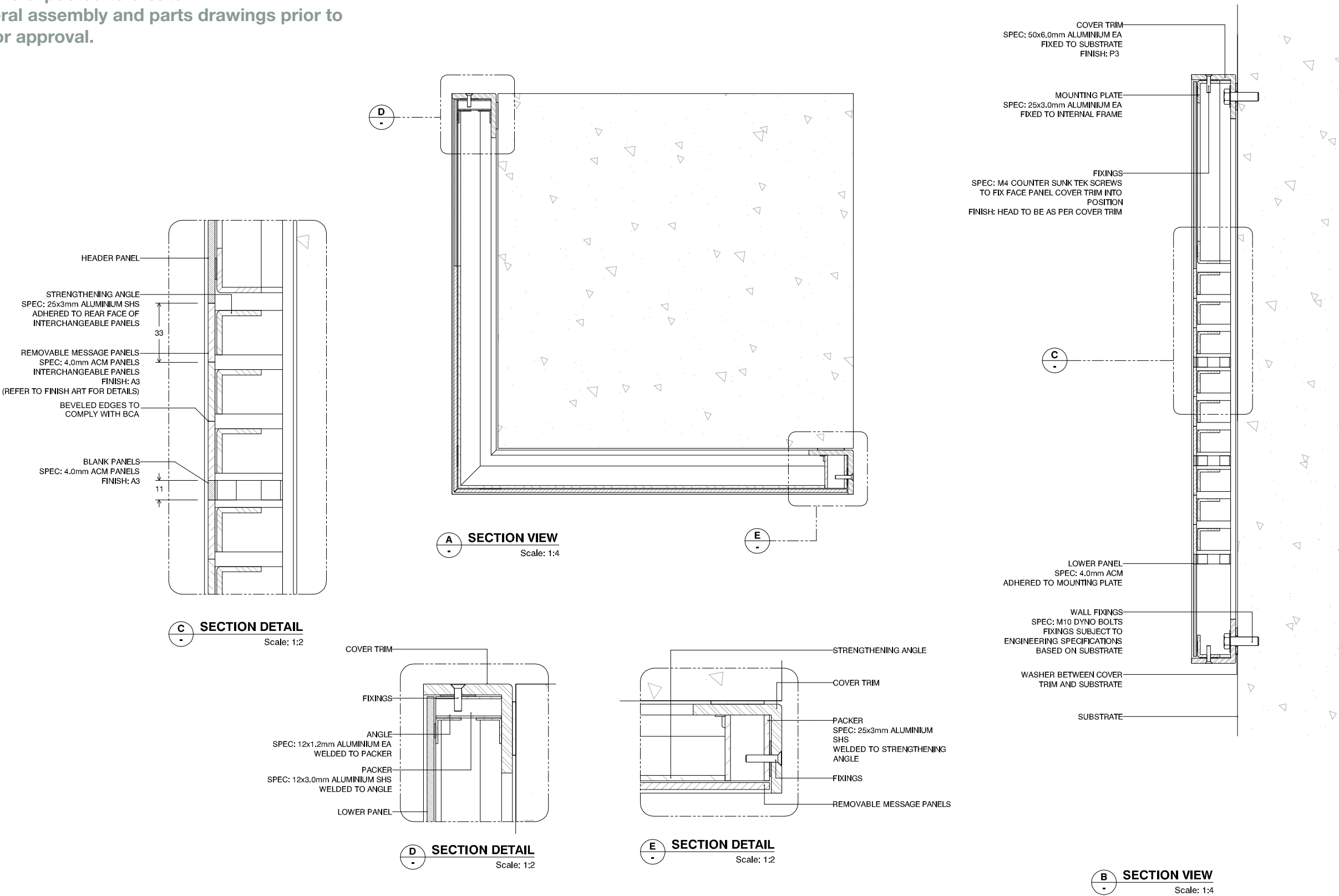
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Pedestrian Directional
Wall Mounted

(PED_DIR_WM_S)

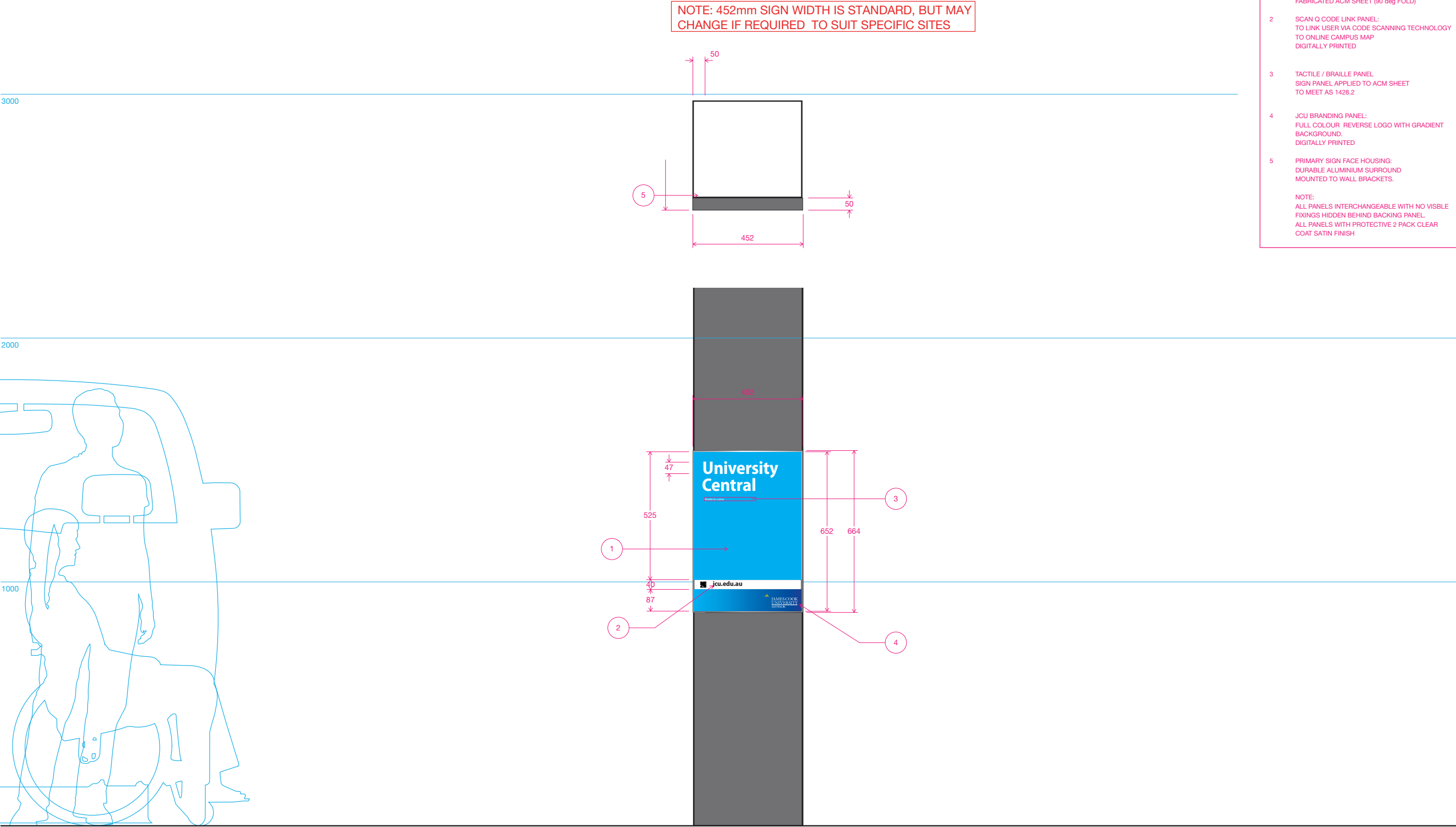
Construction Drawings



Precinct ID Wall-mounted
Secondary

(PRE_ID_WM_S)

Layout Page



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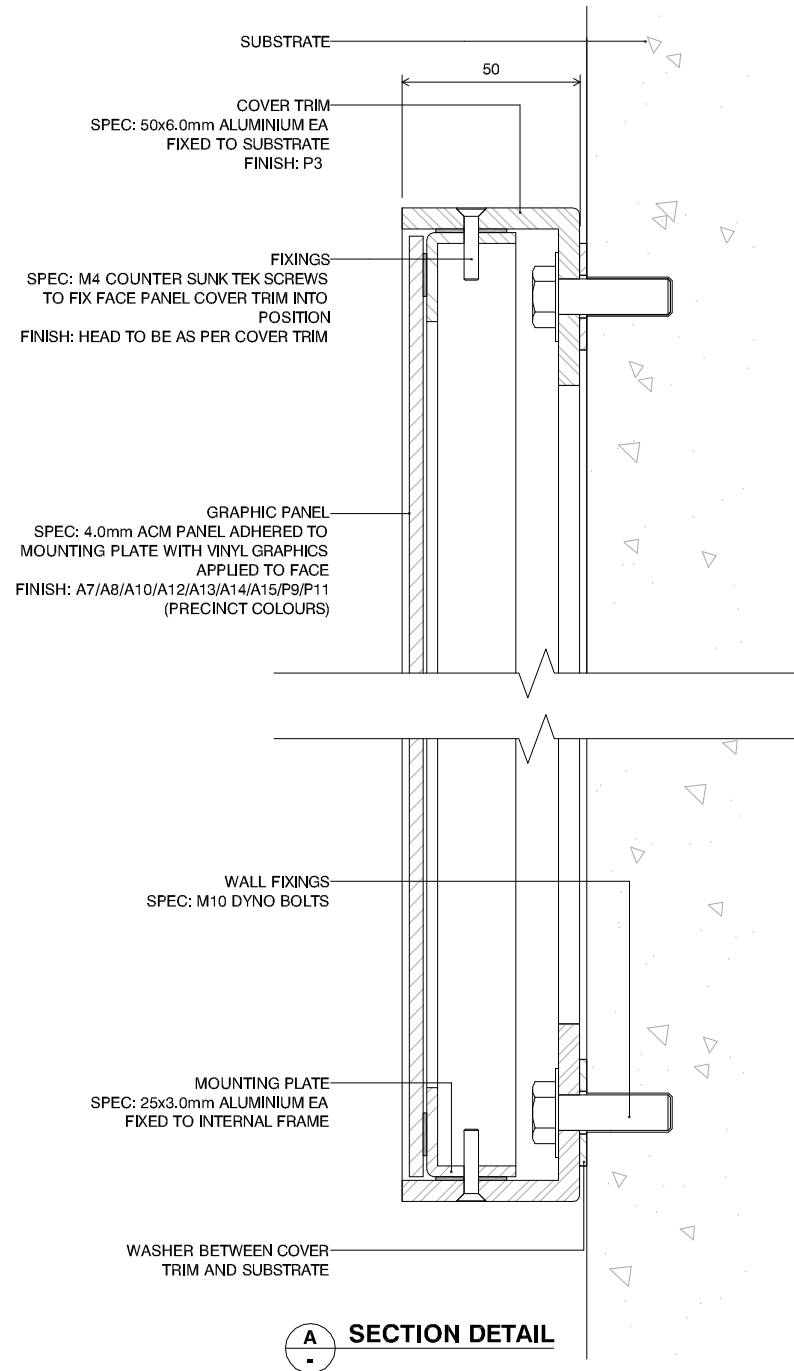
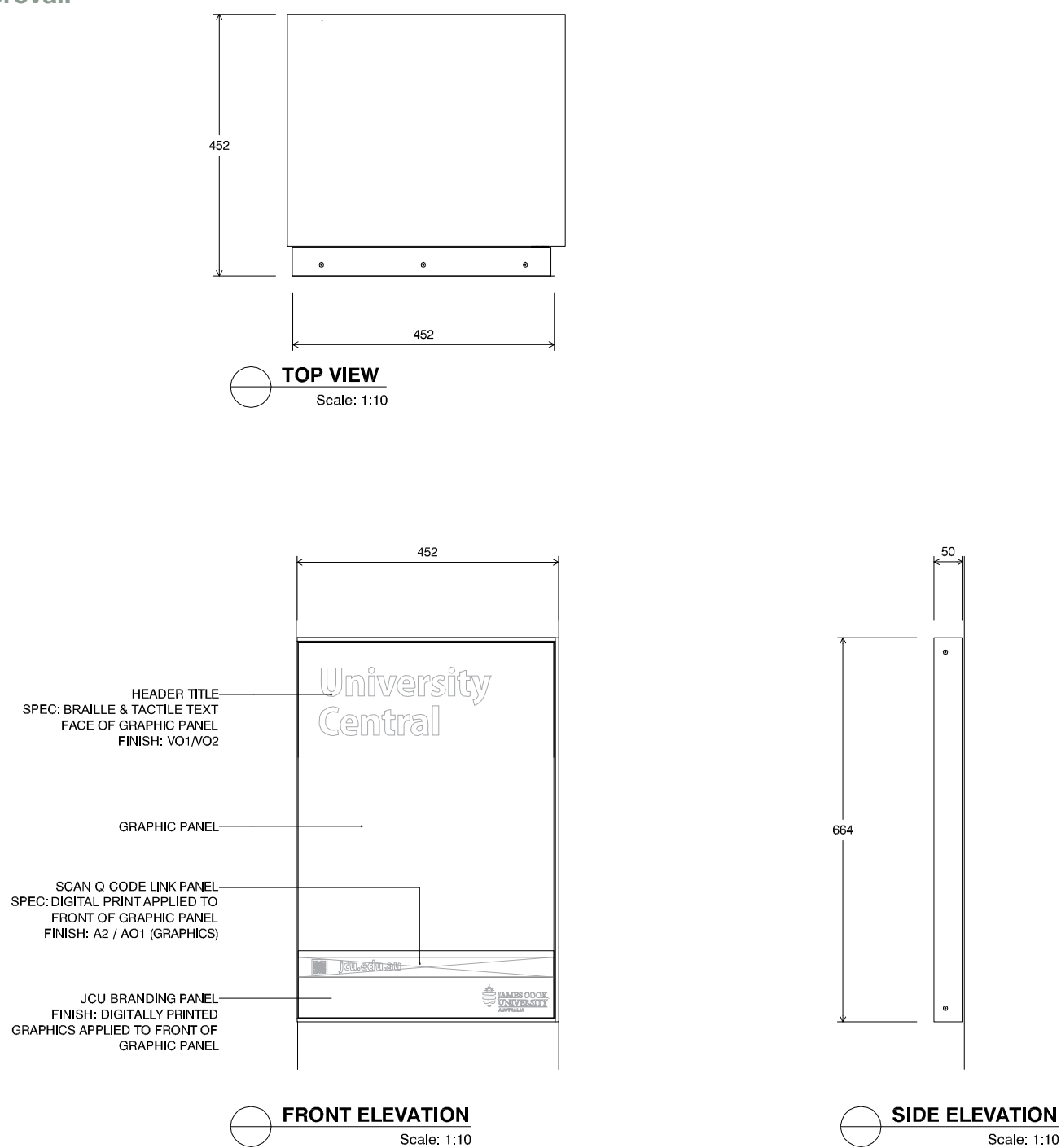
They should NOT be used for the purposes of manufacture until reviewed and approved by the Diadem.

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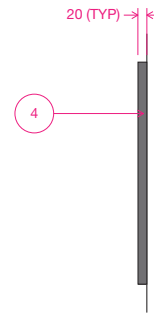
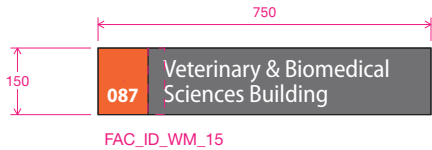
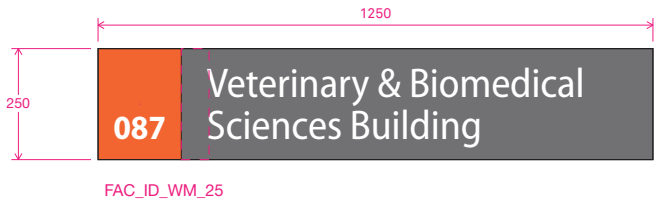
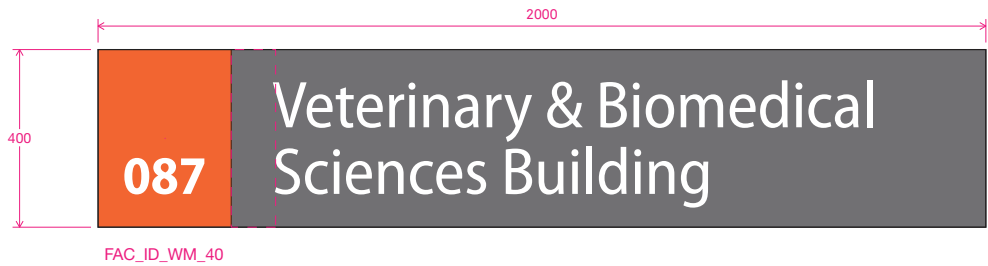
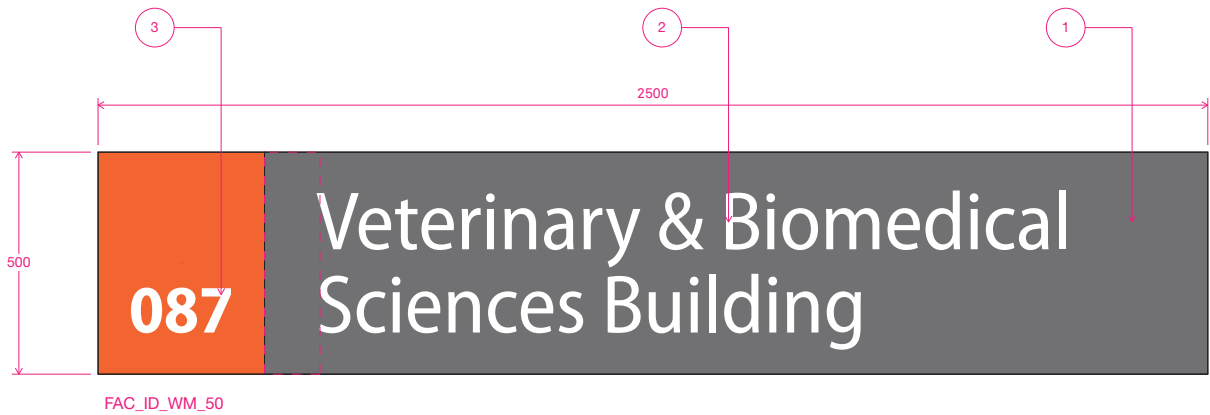
Precinct ID Wall-mounted
Secondary

(PRE_ID_WM_S)

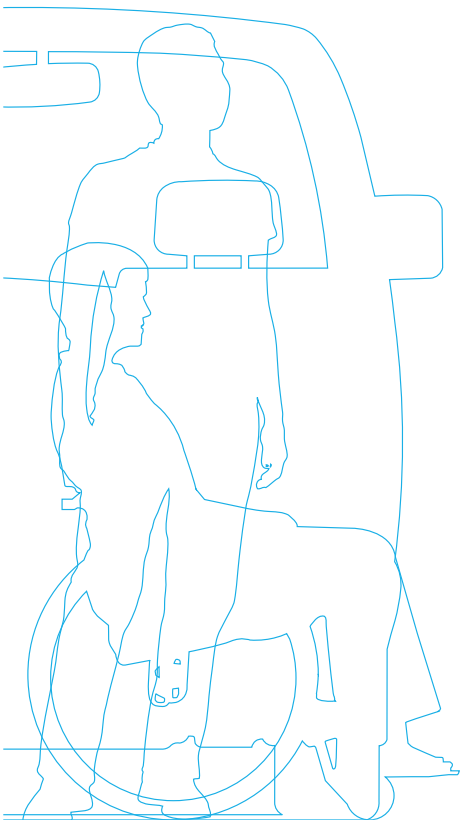
Construction Drawings



Facility Identification
Wall-mounted
(FAC_ID_WM)
Layout Page



- 1 SIGN CLADDING PANEL:
STANDARD COLOUR (ACM SHEET)
FABRICATED ACM SHEET
INTERNAL FRAMEWORK:
GALVANISED STEEL ANGLE FRAME
ANCHORED TO WALL SUBSTRATE
 - 2 BUILDING NAME:
FONT- MYRIAD PRO SEMI-CONDENSED
COMPUTER CUT S.A.V.
 - 3 BUILDING NUMBER/ PRECINCT ID: 40mm CAPS
COLOUR CODED FOR PRECINCTS
FONT- MYRIAD PRO SEMI-CONDENSED BOLD
COMPUTER CUT S.A.V.
 - 4 PRIMARY SIGN FACE HOUSING:
DURABLE ALUMINUM SURROUND
MOUNTED TO INTERNAL STEEL FRAMEWORK.
- NOTE:
MINIMAL EXPOSED FIXINGS AT SIDES
ALL PANELS WITH PROTECTIVE 2 PACK CLEAR
COAT SATIN FINISH.



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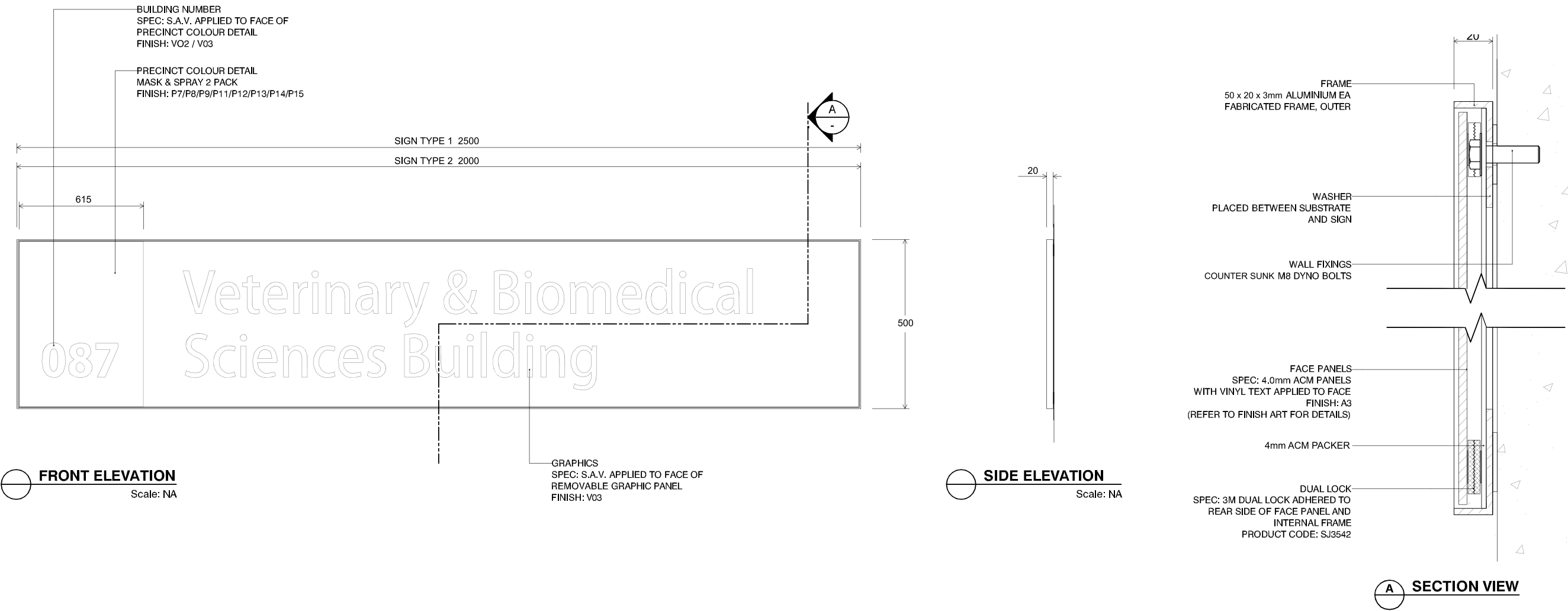
The contractor is expected to create their own general assembly and parts drawings prior to manufacture for approval.

SIGN SCHEDULE						
SIGN TYPE	FAC_ID_WM_50_15	FAC_ID_WM_50_20	FAC_ID_WM_50_25	FAC_ID_WM_40_12	FAC_ID_WM_40_16	FAC_ID_WM_40_200
A	1500	2000	2500	1200	1600	2000
B	500	500	500	400	400	250
C	16	16	16	16	16	16
D	370	370	370	295	295	295

SIGN TYPE	FAC_ID_WM_25_75	FAC_ID_WM_25_10	FAC_ID_WM_25_120	FAC_ID_WM_15_45	FAC_ID_WM_15_50	FAC_ID_WM_15_75
A	750	1000	1250	600	800	1000
B	250	250	250	150	150	150
C	16	16	16	16	16	16
D	182	182	182	107	107	107

Facility Identification
(FAC_ID_WM)

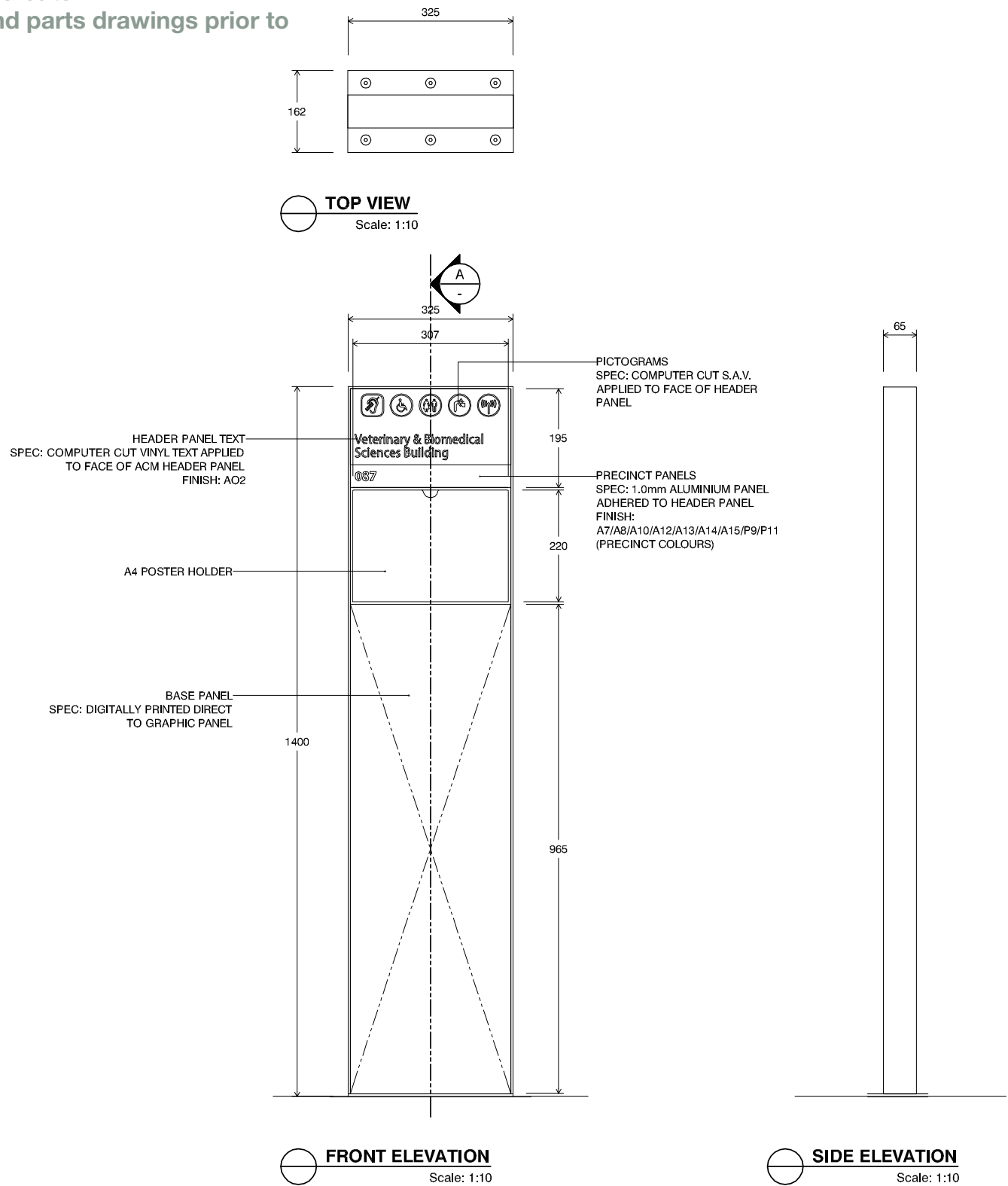
Construction Drawings



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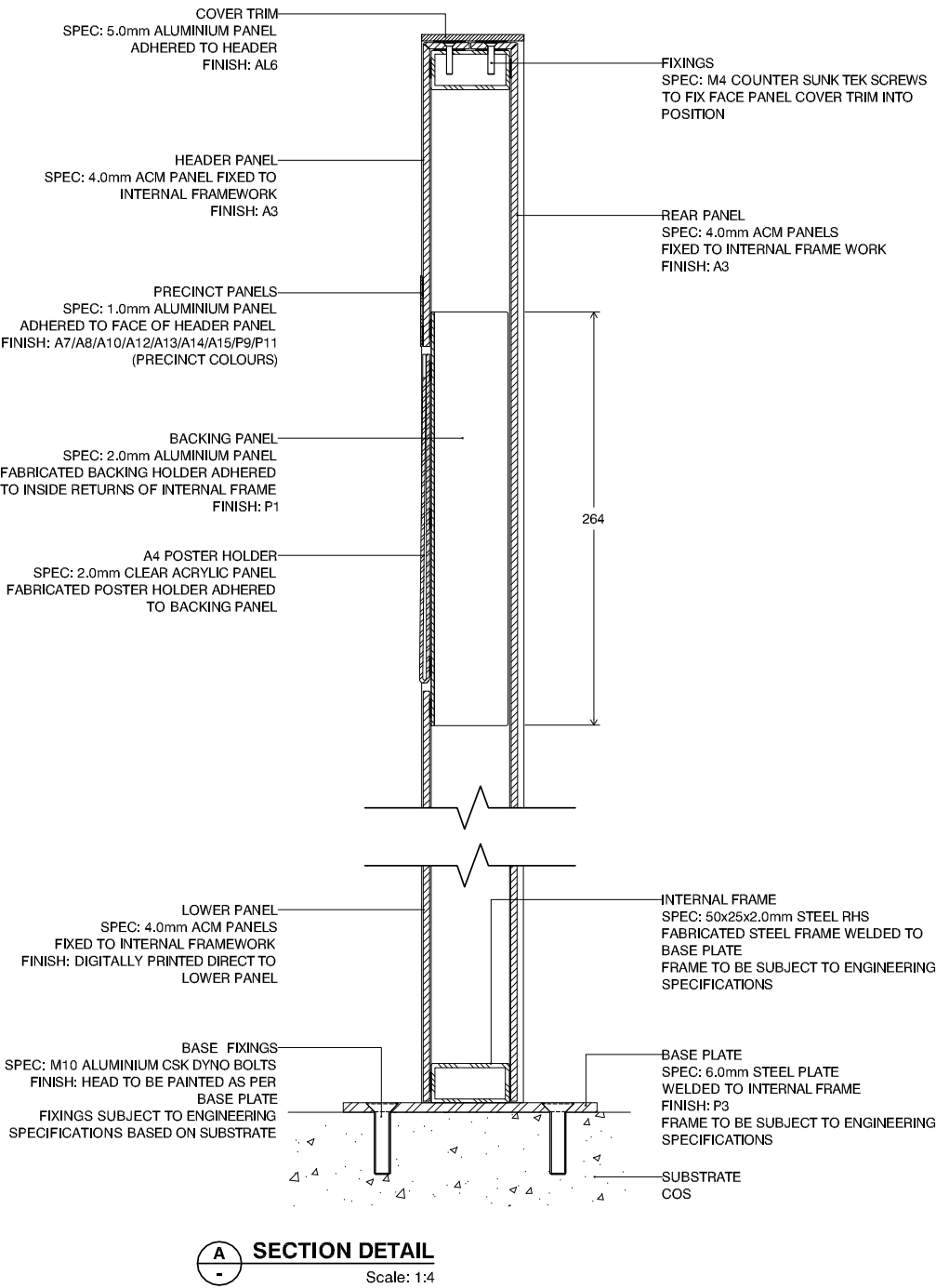
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Facility Identification Free-standing (FAC_ID_FS)

Construction Drawings

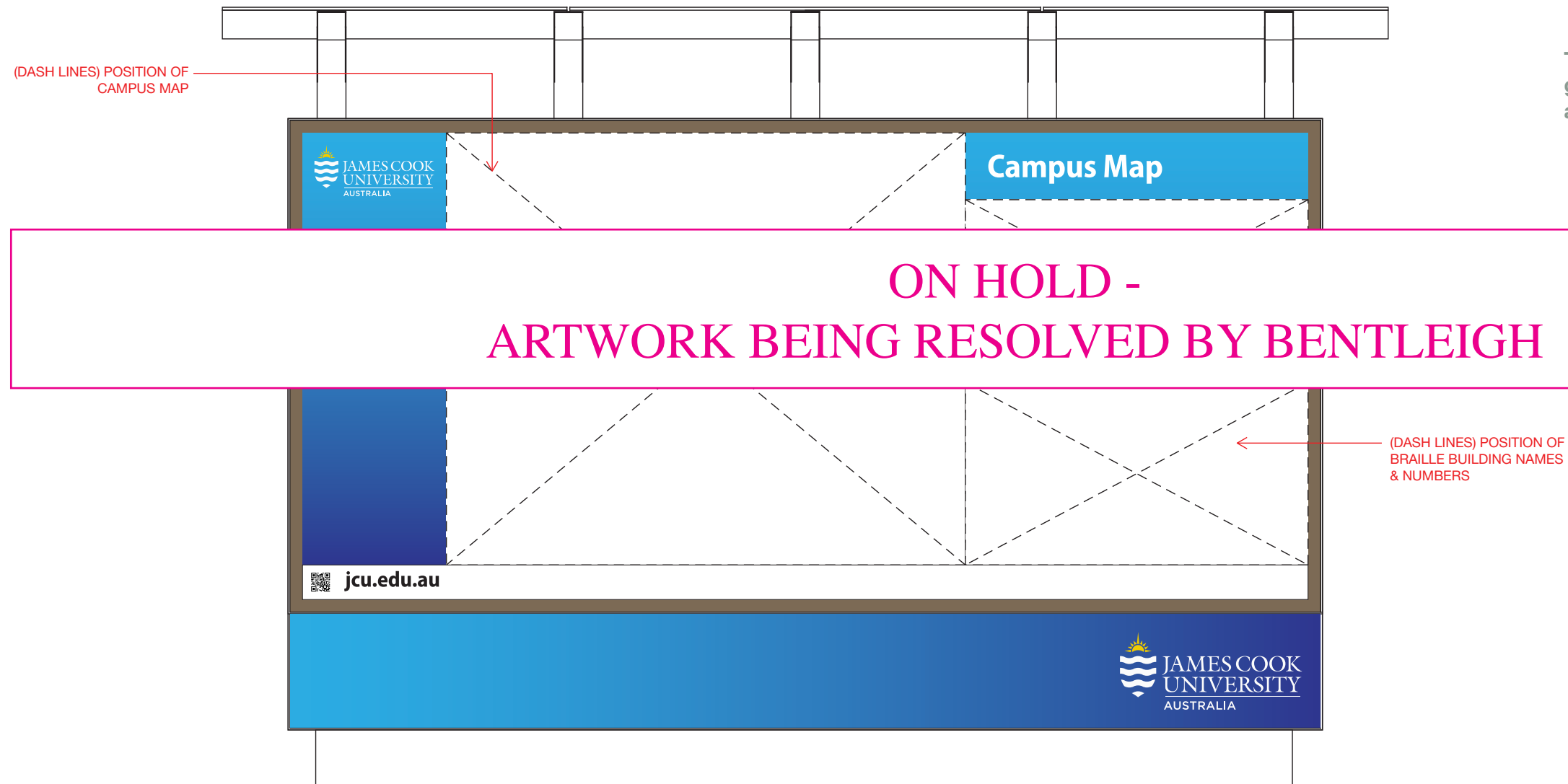


Finished Art

Vehicle Campus Directory
Free-standing - Primary
(VEH_CA_MAP_FS_P)

Finished Art Layout

These finished art layouts are for information and guidance only to illustrate preferred fonts, cap sizes and location details for manufacture.

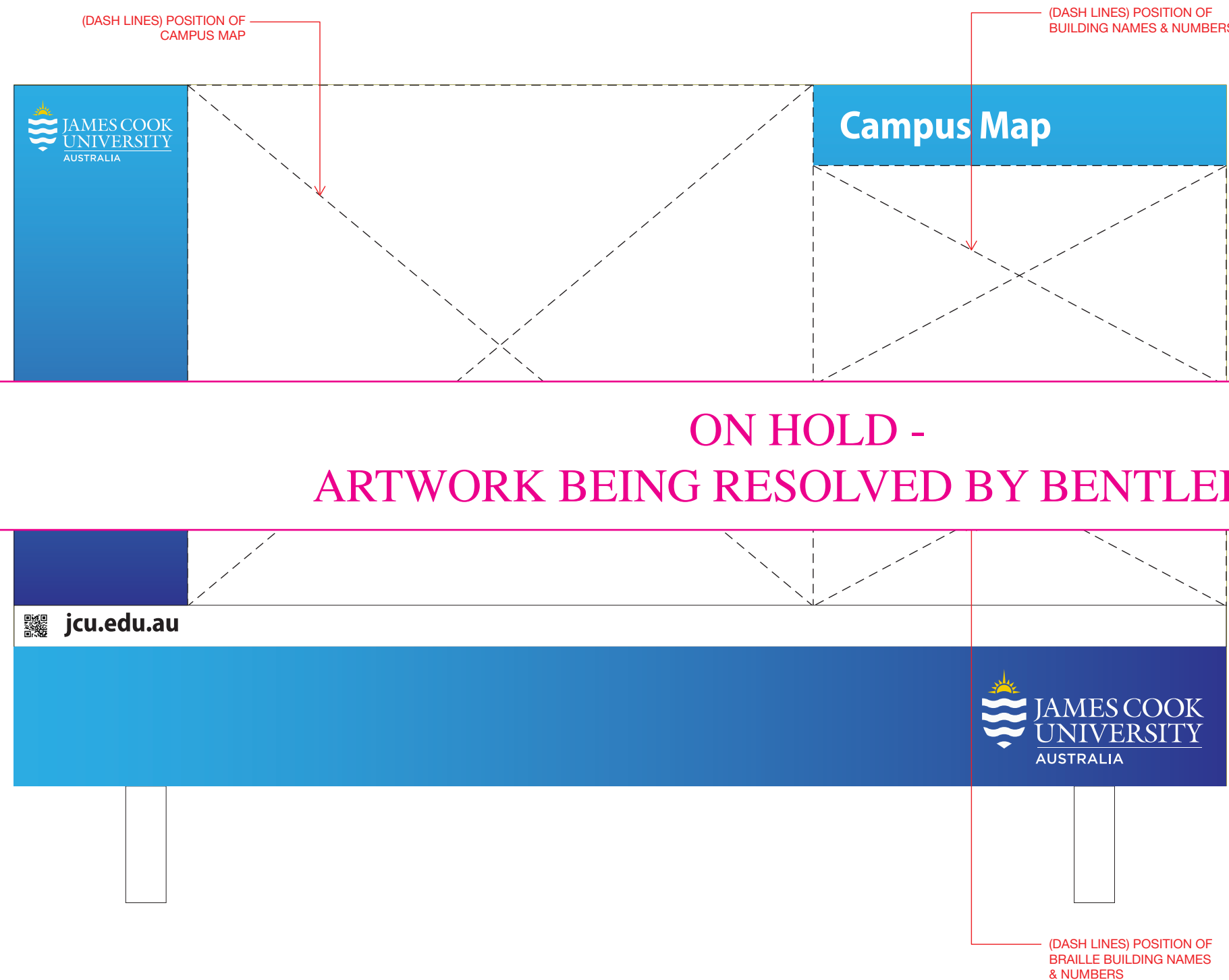


SCALE: NTS

Vehicle Campus Directory
Pole Mounted
(VEH_CA_MAP_PM)
(Location V025 at Townsville)

Finished Art Layout

These finished art layouts are for information and guidance only to illustrate preferred fonts, cap sizes and location details for manufacture.

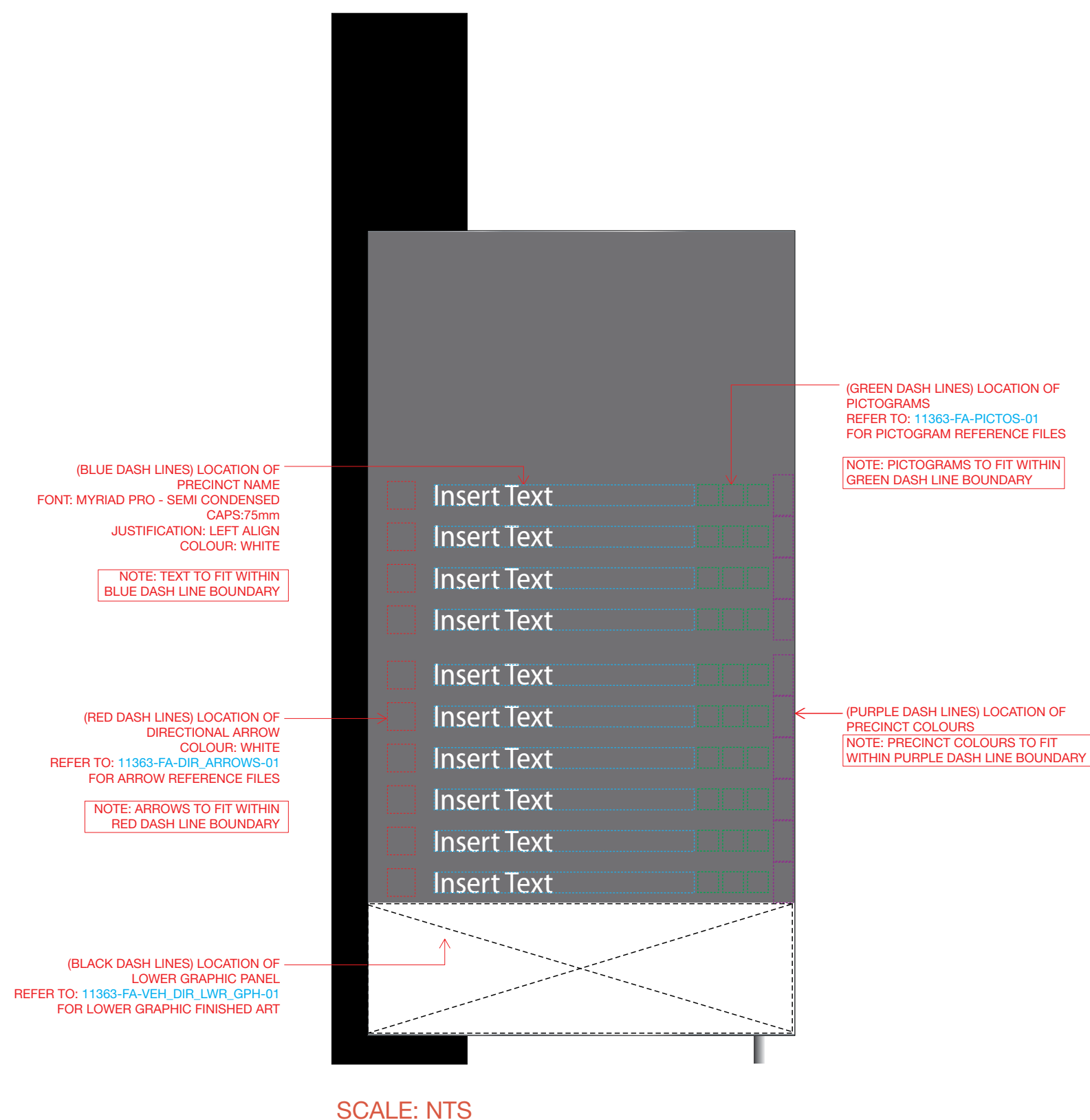


SCALE: NTS

Vehicle Directional Campus Free-standing Primary (VEH_DIR_CA_FS_P)

Finished Art Layout

These finished art layouts are for information and guidance only to illustrate preferred fonts, cap sizes and location details for manufacture.



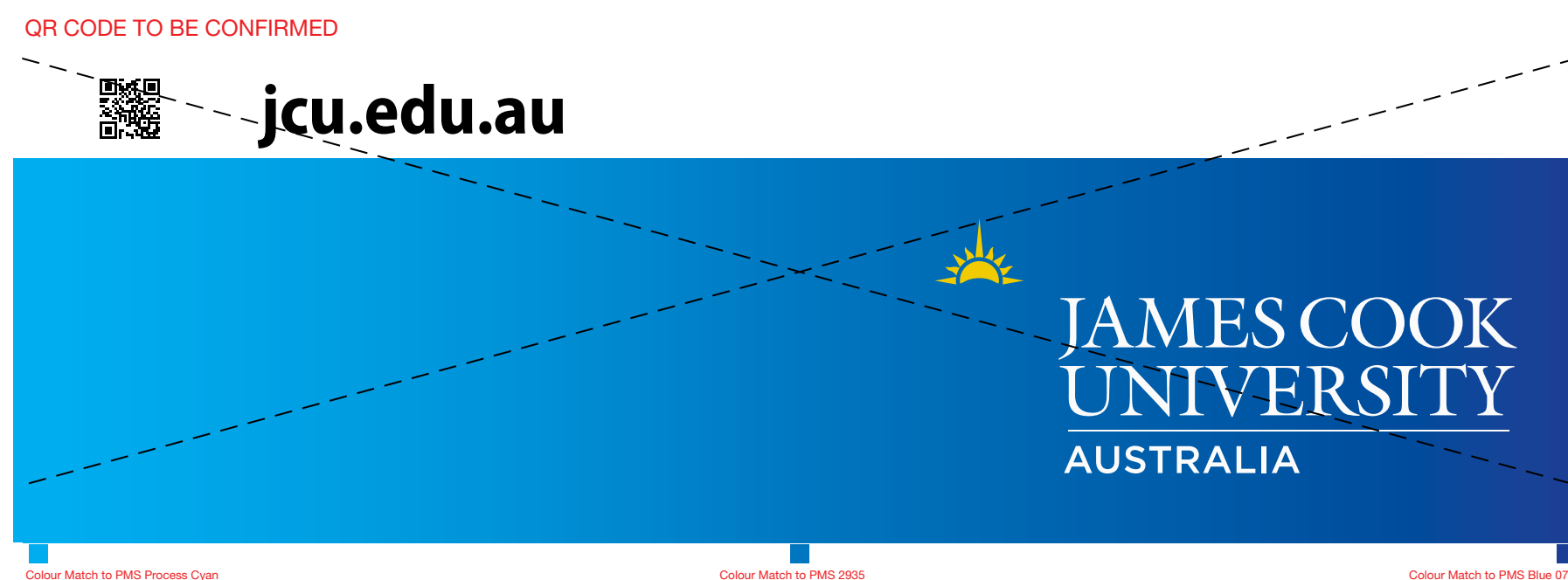
**Vehicle Directional Campus
Free-standing -Primary
(VEH_DIR_CA_FS_P)**

Finished Art Layout

Lower Graphic Panel

File Name: 11363-FA-VEH-DIR_LWR_GPH-01

These finished art layouts are for information and guidance only to illustrate preferred fonts, cap sizes and location details for manufacture.

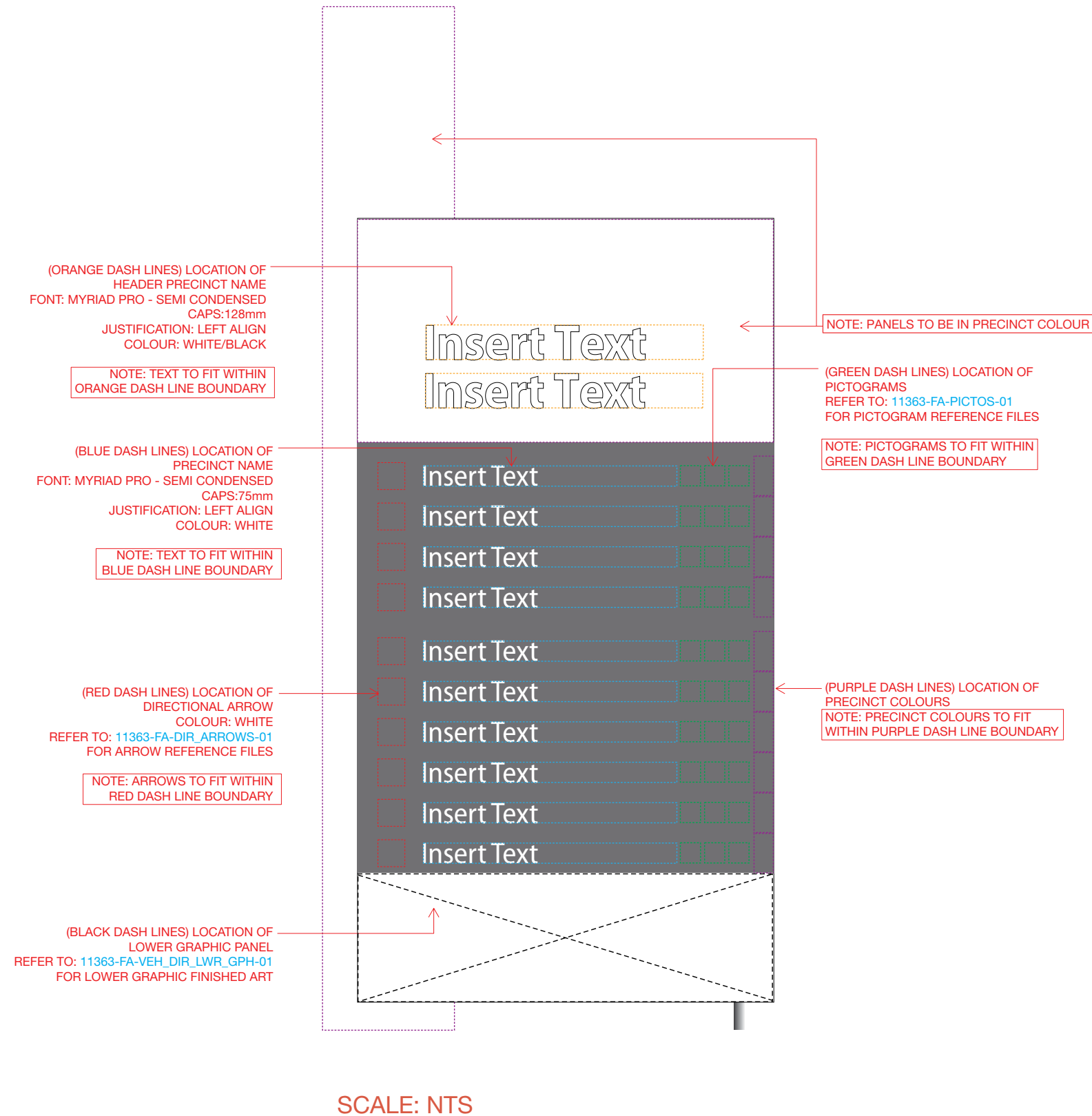


SCALE: NTS

Vehicle Directional Precinct Free-standing - Primary (VEH_DIR_PRE_FS_P)

Finished Art Layout

These finished art layouts are for information and guidance only to illustrate preferred fonts, cap sizes and location details for manufacture.



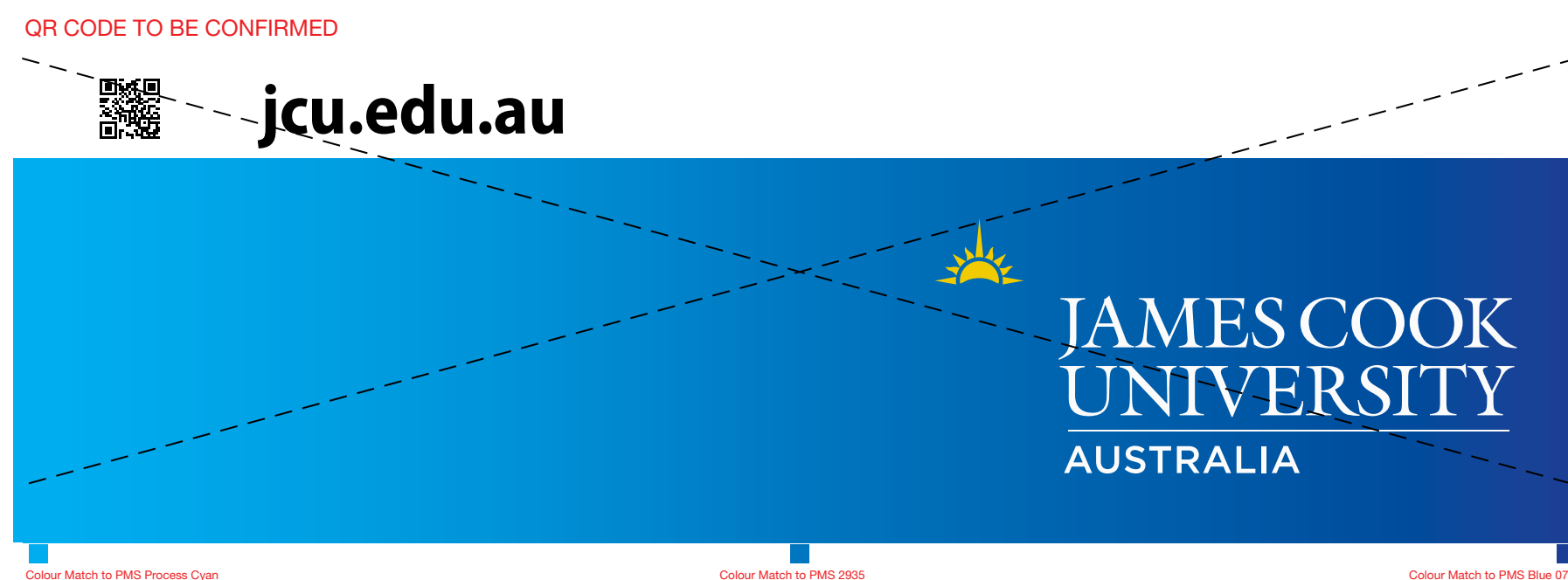
Vehicle Directional Precinct
Free-standing - Primary
(VEH_DIR_PRE_FS_P)

Finished Art Layout

Lower Graphic Panel

File Name: 11363-FA-VEH-DIR_LWR_GPH-01

These finished art layouts are for information and guidance only to illustrate preferred fonts, cap sizes and location details for manufacture.

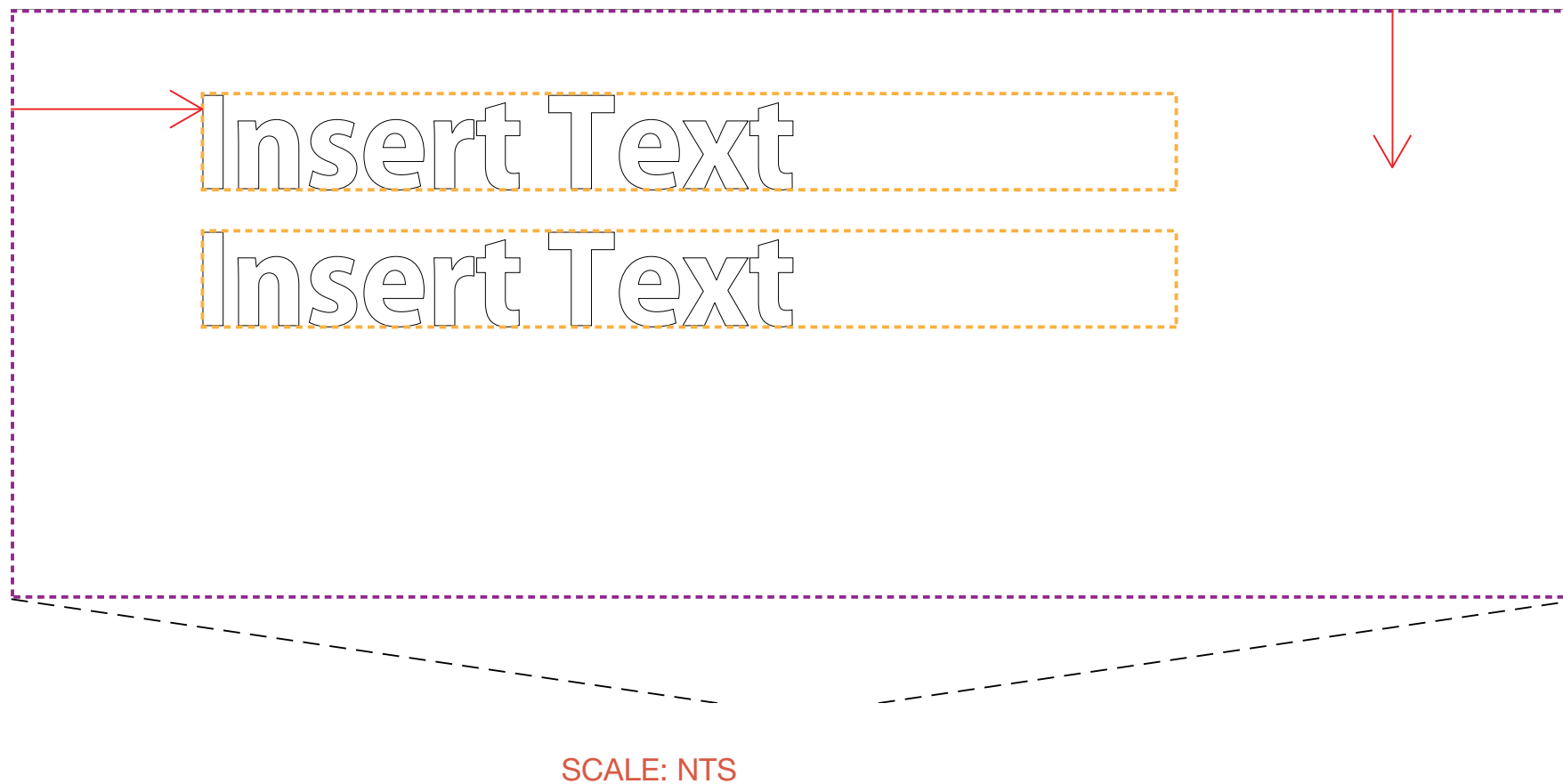


SCALE: NTS

Precinct Identification
Free-standing - Secondary
(PRE_ID_FS_S)

Finished Art Layout

These finished art layouts are for information and guidance only to illustrate preferred fonts, cap sizes and location details for manufacture.



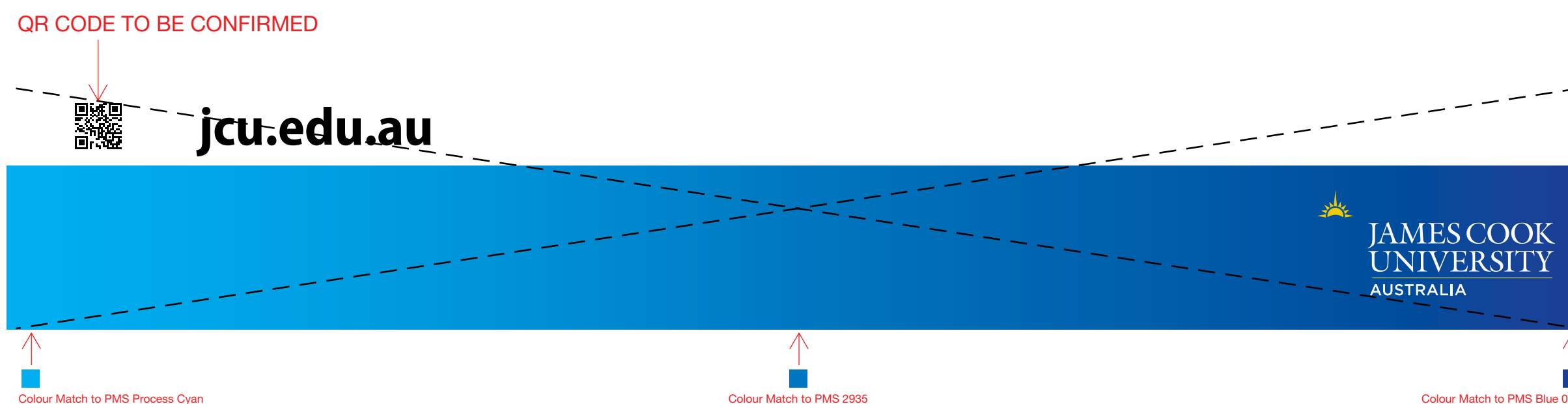
Precinct Identification Free-standing
- Secondary (Graphics-01)
(PRE_ID_FS_S)

Finished Art Layout

Lower Graphic Panel

File Name: 11363-FA-PRE_ID_FS_S_GPH-01

These finished art layouts are for information and guidance only to illustrate preferred fonts, cap sizes and location details for manufacture.

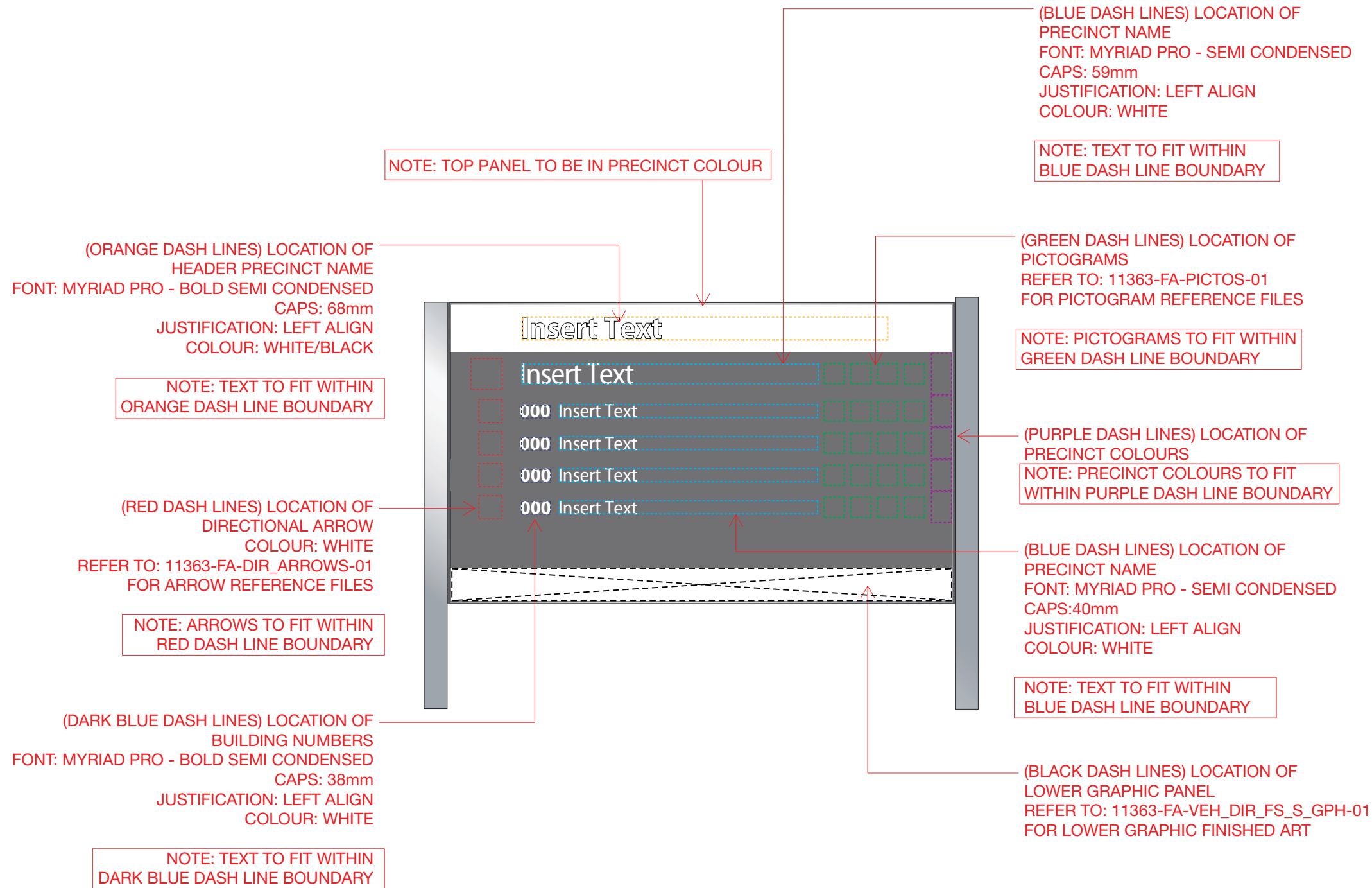


SCALE: NTS

Vehicle Directional Free-standing - Secondary (VEH_DIR_FS_S)

Finished Art Layout

These finished art layouts are for information and guidance only to illustrate preferred fonts, cap sizes and location details for manufacture.



SIGN TYPE: VEHICLE DIRECTIONAL FREESTANDING - SECONDARY
SIGN CODE: VEH_DIR_FS_S
SCALE: NTS

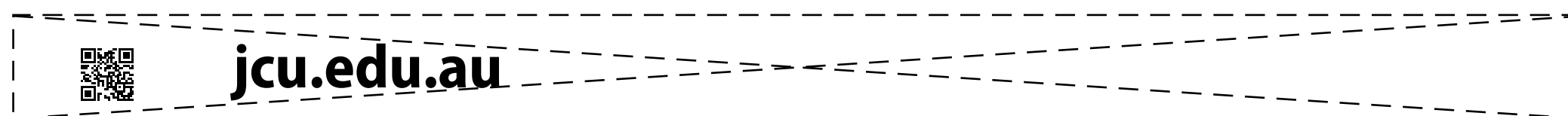
**Vehicle Directional Free-standing
- Secondary
(VEH_DIR_FS_S)**

Finished Art Layout

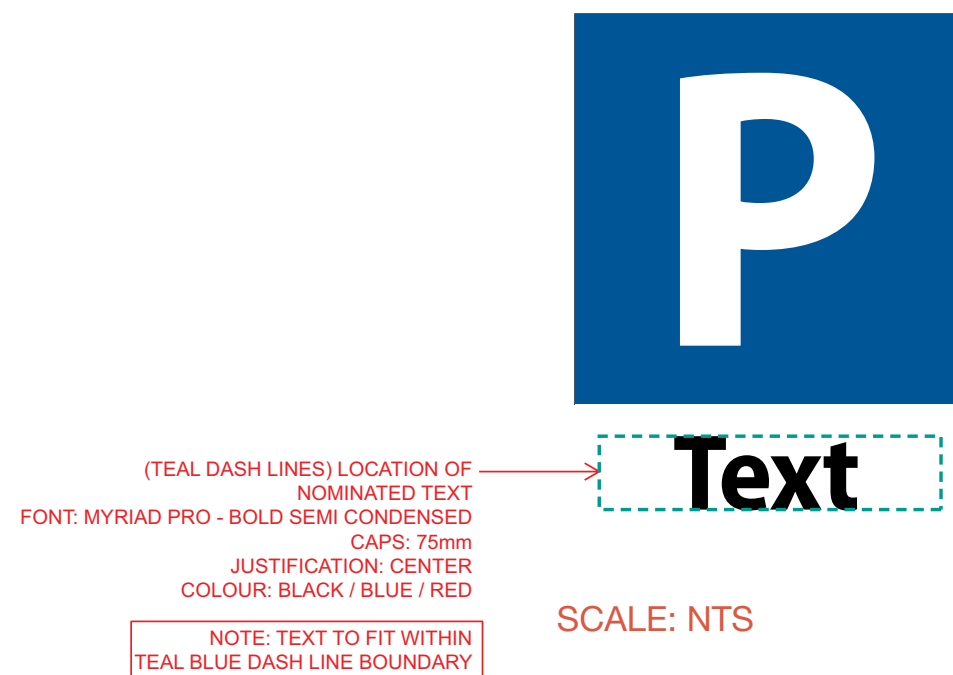
Lower Graphic Panel

File Name: 11363-FA-VEH_DIR_FS_S-GPH-01

These finished art layouts are for information and guidance only to illustrate preferred fonts, cap sizes and location details for manufacture.



SCALE: NTS

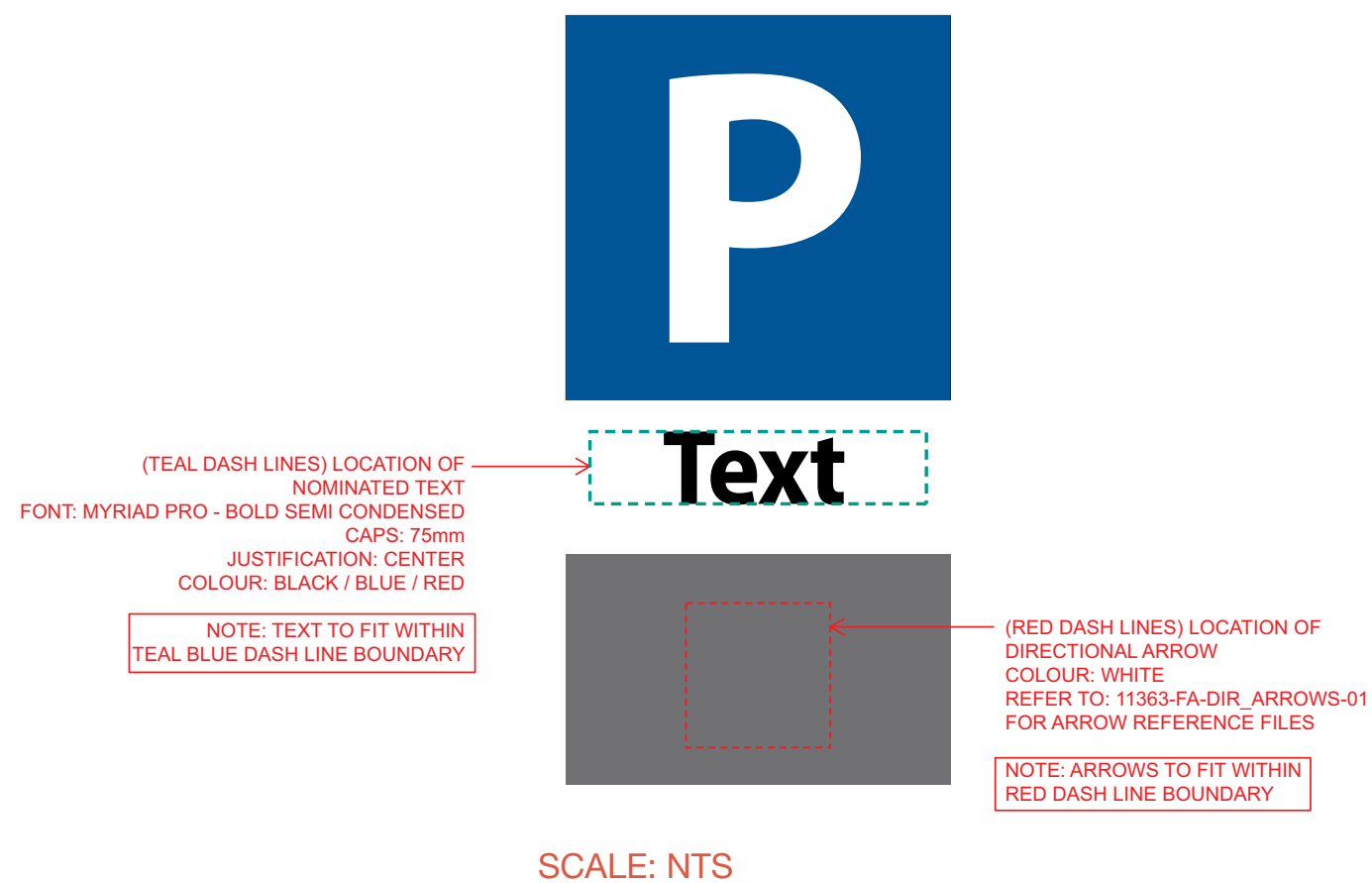


Car park Identification Free-standing (Graphics-01) (CP_ID_FS)

Finished Art Layout

File Name: 11363-FA-CP_ID_40_50

These finished art layouts are for information and guidance only to illustrate preferred fonts, cap sizes and location details for manufacture.



Car park Identification Free-standing (Graphics-02) (CP_ID_FS)

Finished Art Layout

File Name: 11363-FA-CP_ID_40_80

These finished art layouts are for information and guidance only to illustrate preferred fonts, cap sizes and location details for manufacture.



Car park Identification Free-standing (Graphics-03) (CP_ID_FS)

Finished Art Layout

File Name: 11363-FA-CP_ID_40_96

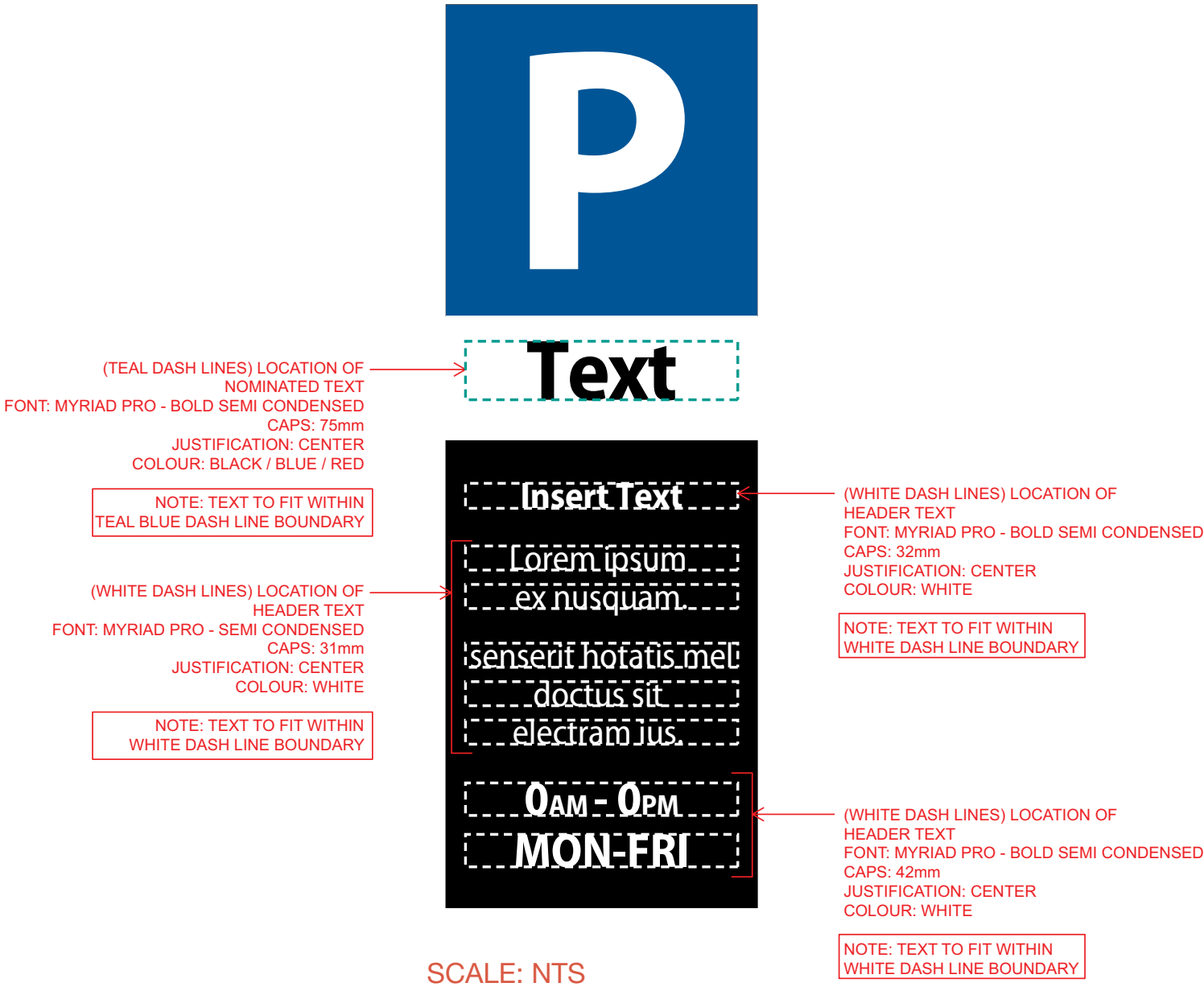
These finished art layouts are for information and guidance only to illustrate preferred fonts, cap sizes and location details for manufacture.

Car park Identification (Graphics-04)
(CP_ID)

Finished Art Layout

File Name: 11363-FA-CP_ID_40_116

These finished art layouts are for information and guidance only to illustrate preferred fonts, cap sizes and location details for manufacture.

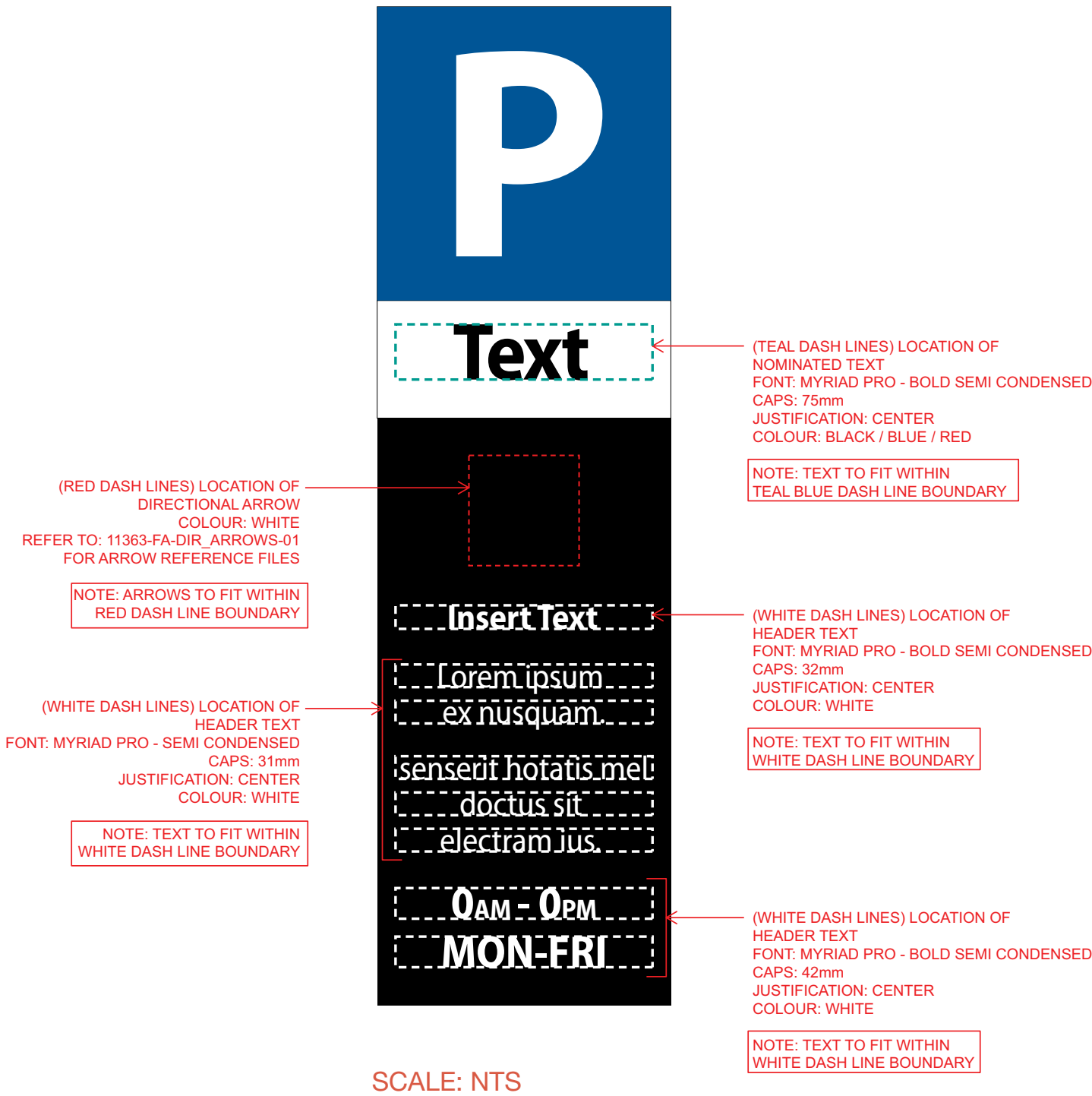


Car park Identification Free-standing
(Graphics-05)
(CP_ID_FS)

Finished Art Layout

File Name: 11363-FA-CP_ID_40_136

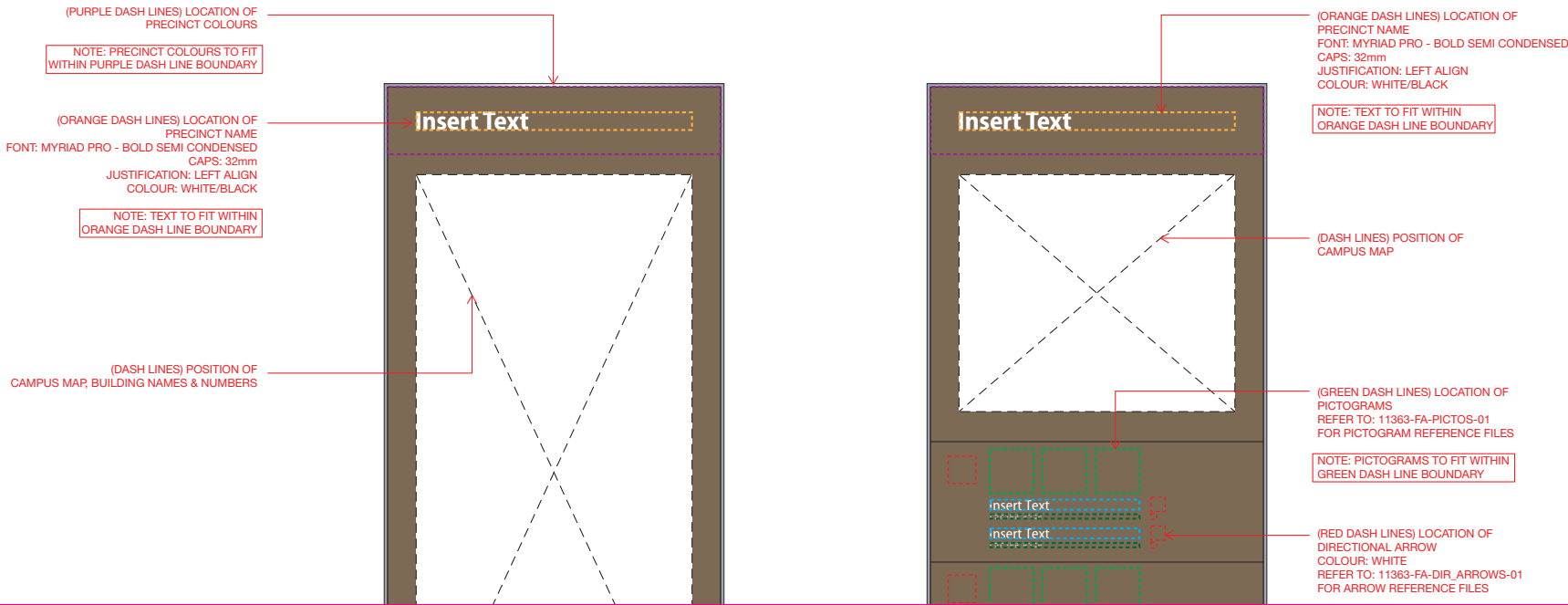
These finished art layouts are for information and guidance only to illustrate preferred fonts, cap sizes and location details for manufacture.



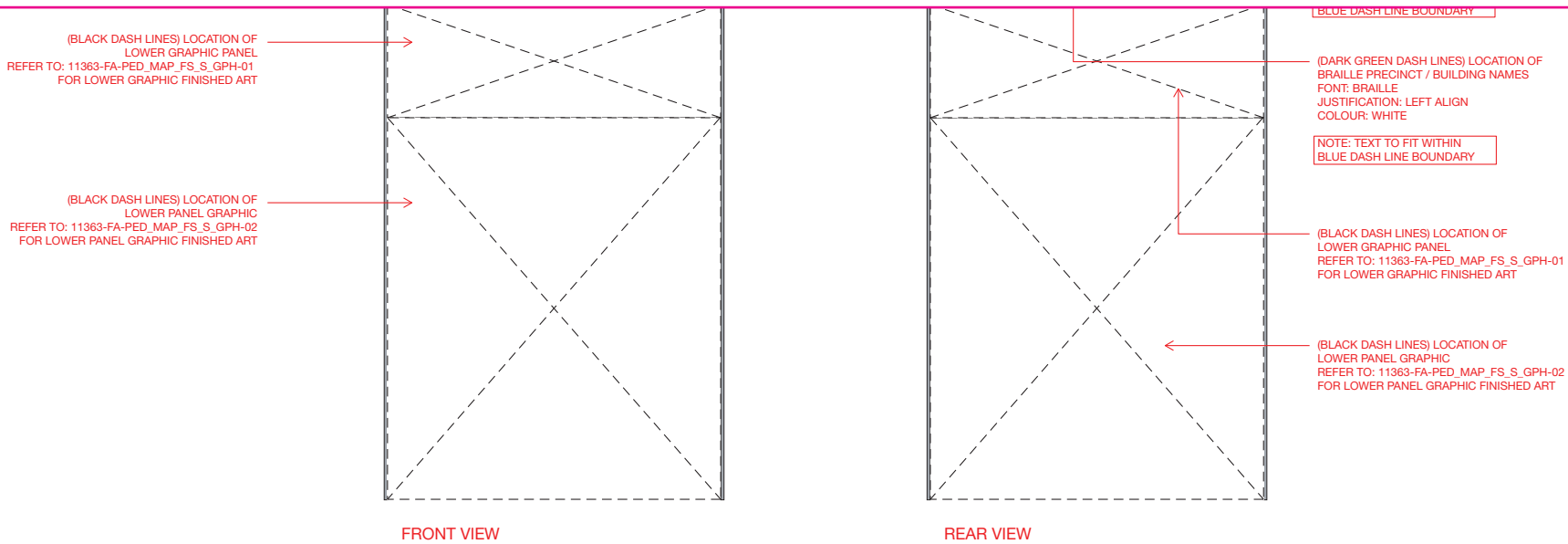
Pedestrian Map Free-standing
Secondary
(PED_MAP_FS_S)

Finished Art Layout

These finished art layouts are for information and guidance only to illustrate preferred fonts, cap sizes and location details for manufacture.



ADDITIONAL ARTWORK TO COME FROM BENTLEIGH



FRONT VIEW

REAR VIEW

SCALE: NTS

Pedestrian Map Free-standing
Secondary (Graphics-01)
(PED_MAP_FS_S)

Finished Art Layout

Lower Graphic Panel

File Name: 11363-FA-PED_MAP_FS-S-GPH-01

These finished art layouts are for information and guidance only to illustrate preferred fonts, cap sizes and location details for manufacture.



CONFIRM SIZE WHEN NEW ARTWORK RECEIVED FROM BENTLEIGH



Colour Match to PMS Process Cyan

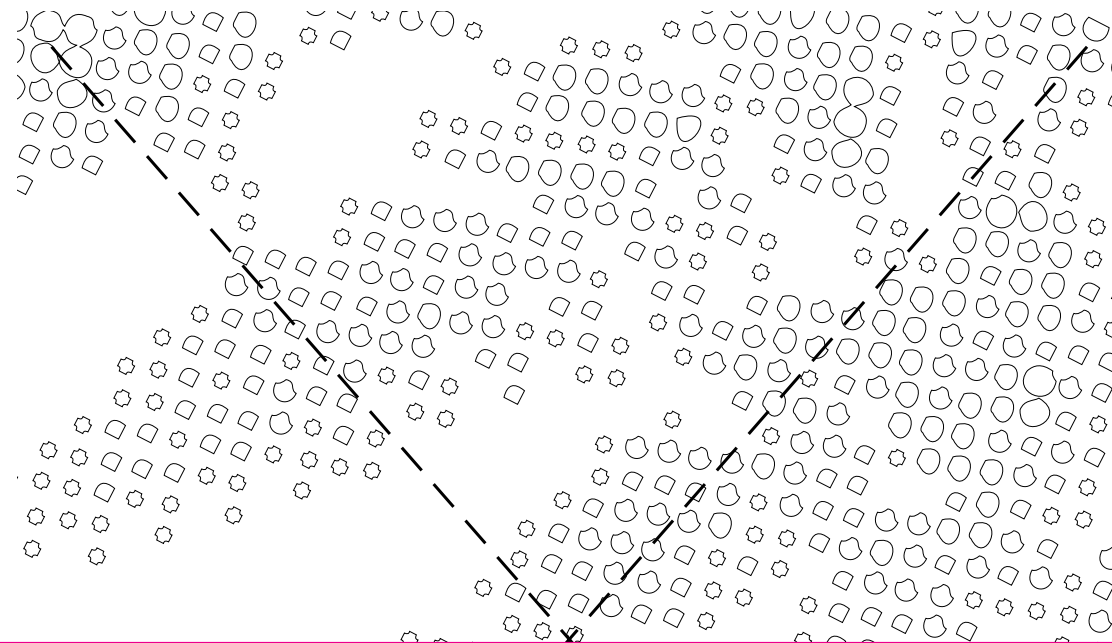


Colour Match to PMS 2935



Colour Match to PMS Blue 072

SCALE: NTS



**Pedestrian Map Free-standing
Secondary (Graphics-02)
(PED_MAP_FS_S)**

Finished Art Layout

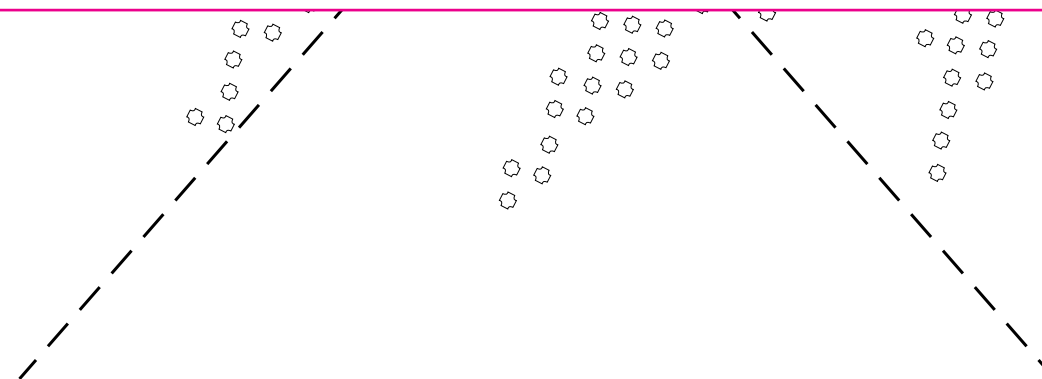
Base Panel

File Name: 11363-FA-PED_MAP_FS-S-GPH-02

These finished art layouts are for information and guidance only to illustrate preferred fonts, cap sizes and location details for manufacture.

Note: Other side of FA_MAP_FS_S to have the graphics mirrored.

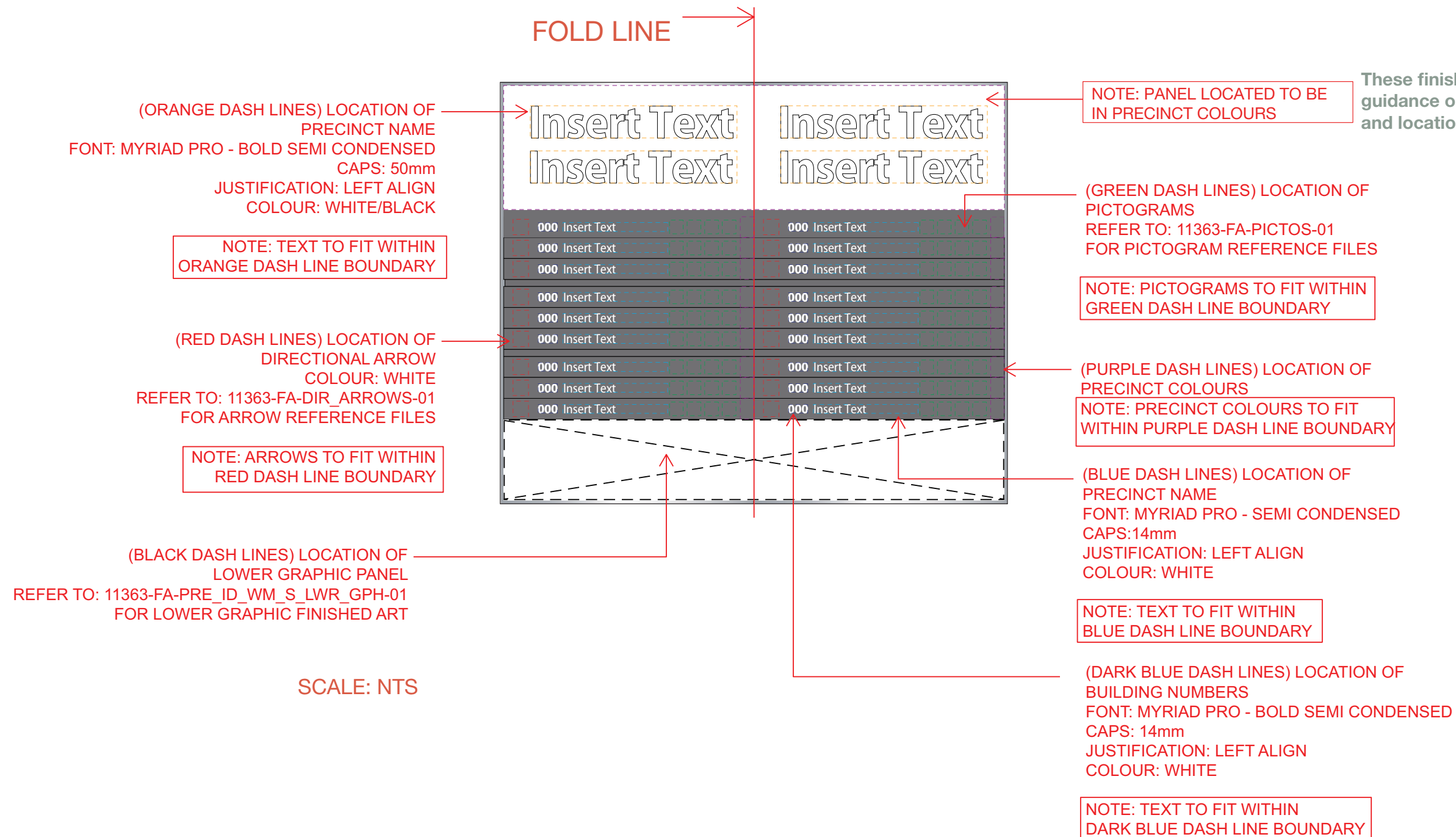
CONFIRM SIZE WHEN NEW ARTWORK RECEIVED FROM BENTLEIGH



SCALE: NTS

Pedestrian Directional Wall-mounted - Secondary (PED_DIR_WM_S)

Finished Art Layout



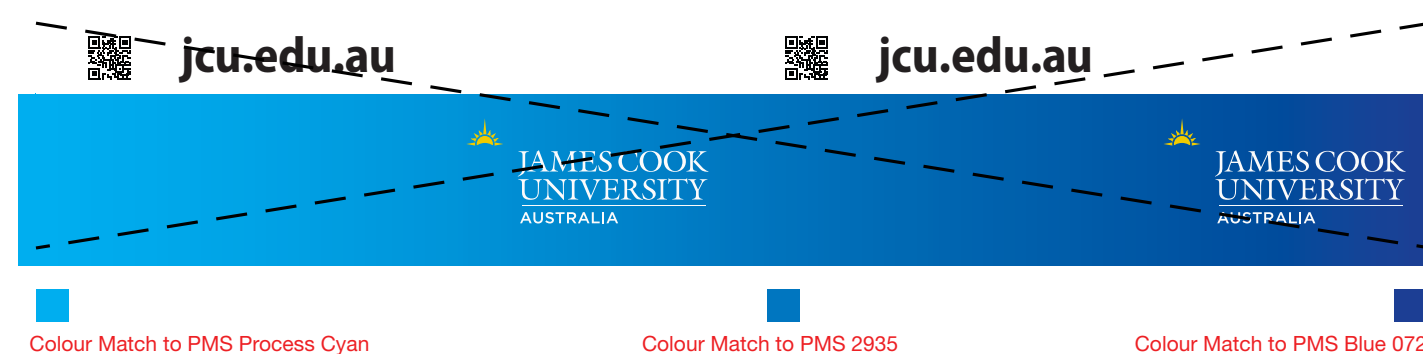
Pedestrian Directional Wall-mounted - Secondary (PED_DIR_WM_S)

Finished Art Layout

Lower Graphic Panel

File Name: 11363-FA-PED_DIR_WM_S_LWR-GPH-01

These finished art layouts are for information and guidance only to illustrate preferred fonts, cap sizes and location details for manufacture.

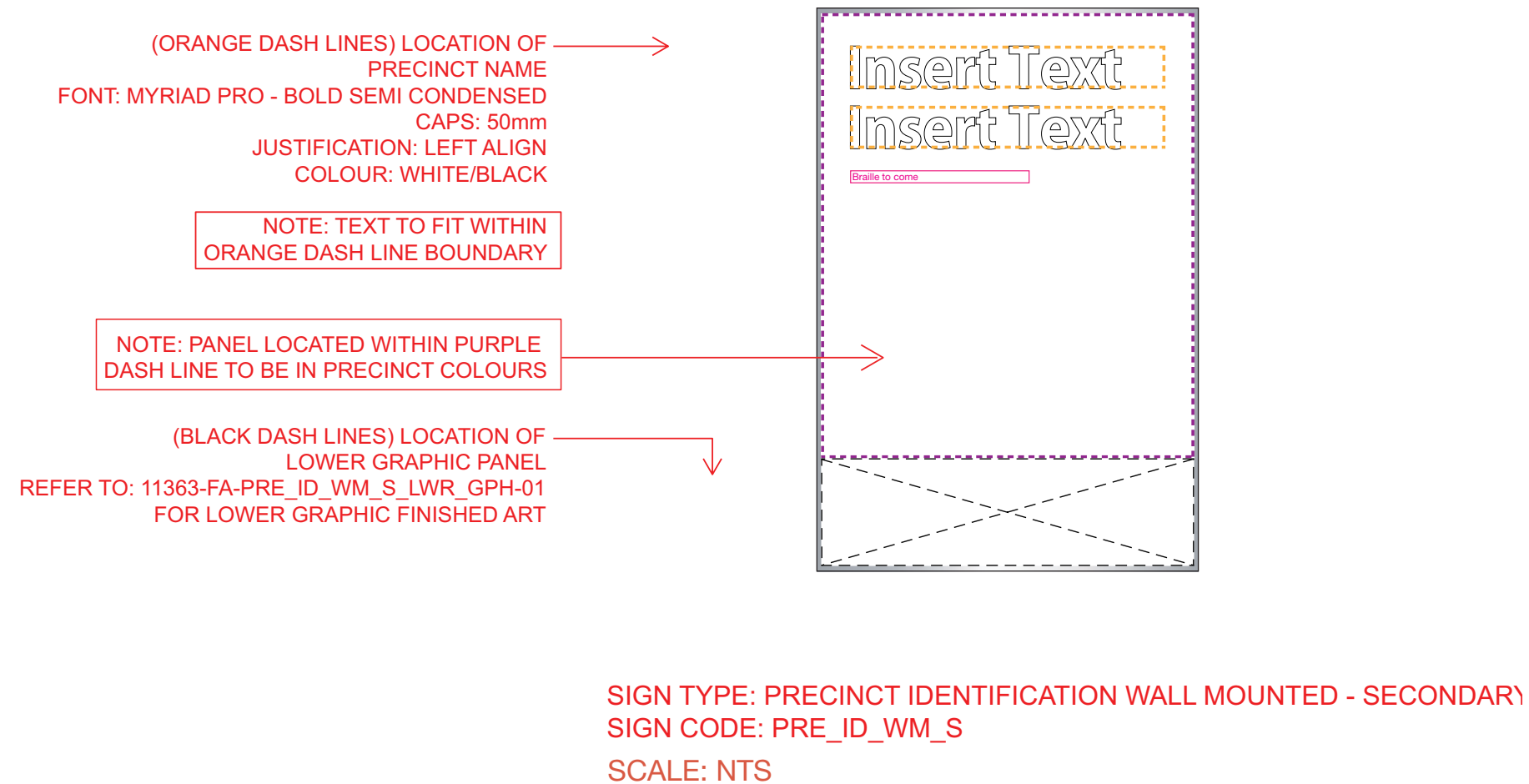


LOWER GRAPHIC PANEL
FILE NAME: 11363-FA-PED_DIR_WM_S_LWR-GPH-01
SCALE: NTS

Precinct Identification Wall-mounted - Secondary (PRE_ID_WM_S)

Finished Art Layout

These finished art layouts are for information and guidance only to illustrate preferred fonts, cap sizes and location details for manufacture.



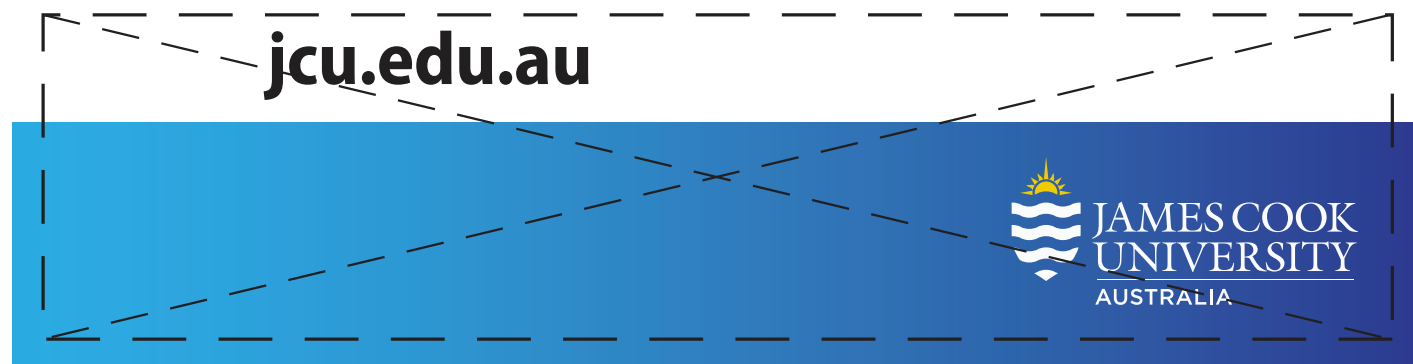
**Precinct Identification
Wall Mounted - Secondary
(PRE_ID_WM_S)**

Finished Art Layout

Lower Graphic Panel

File Name: 11363-FA-PRE_ID_WM_S_LWR-GPH-01

These finished art layouts are for information and guidance only to illustrate preferred fonts, cap sizes and location details for manufacture.

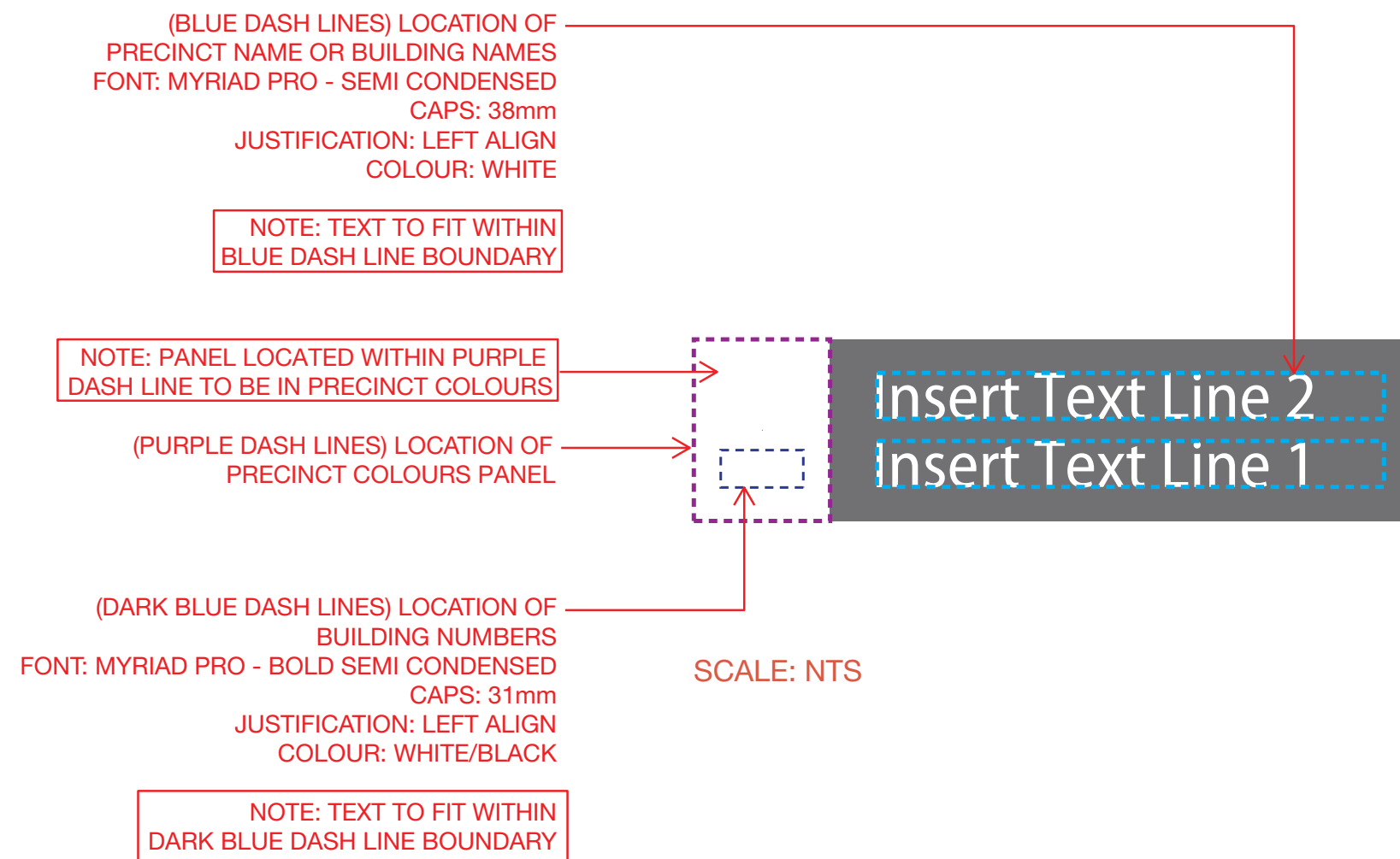


SCALE: NTS

Facility Identification Wall-mounted (FAC_ID_WM_15)

Finished Art Layout

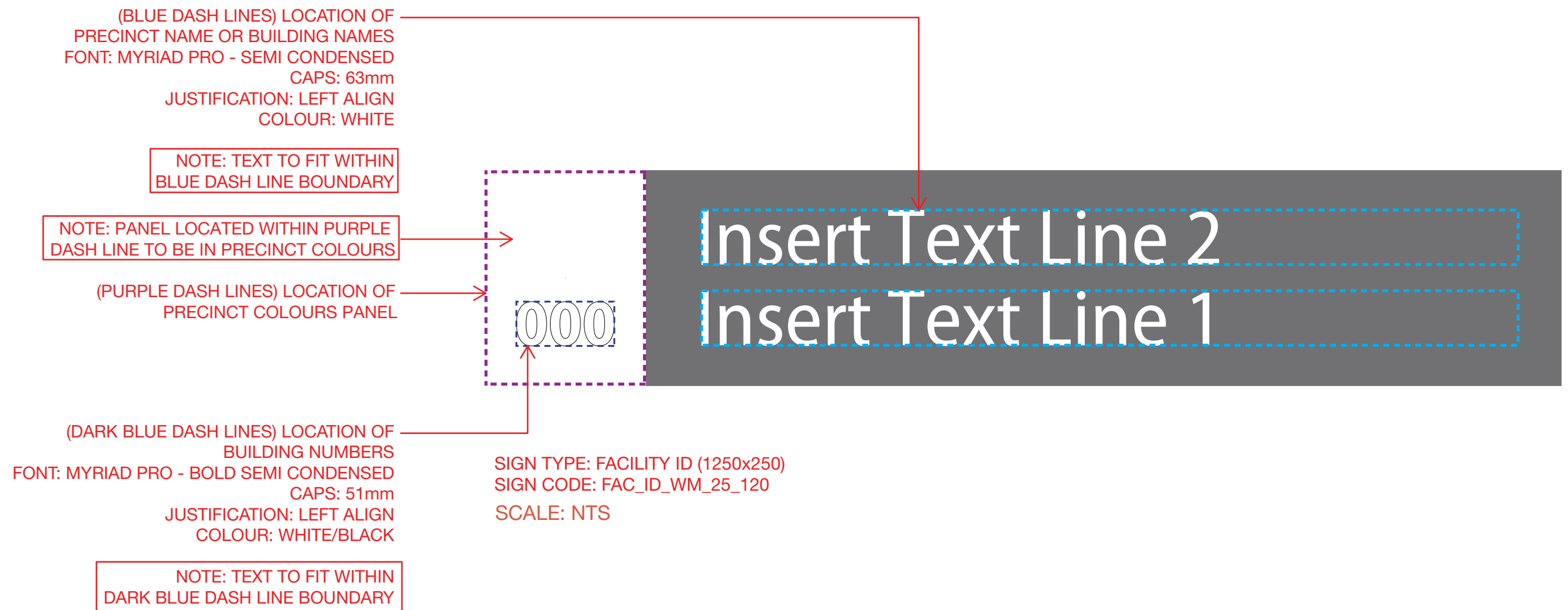
These finished art layouts are for information and guidance only to illustrate preferred fonts, cap sizes and location details for manufacture.



Facility Identification
Wall-mounted
(FAC_ID_WM_25_125)

Finished Art Layout

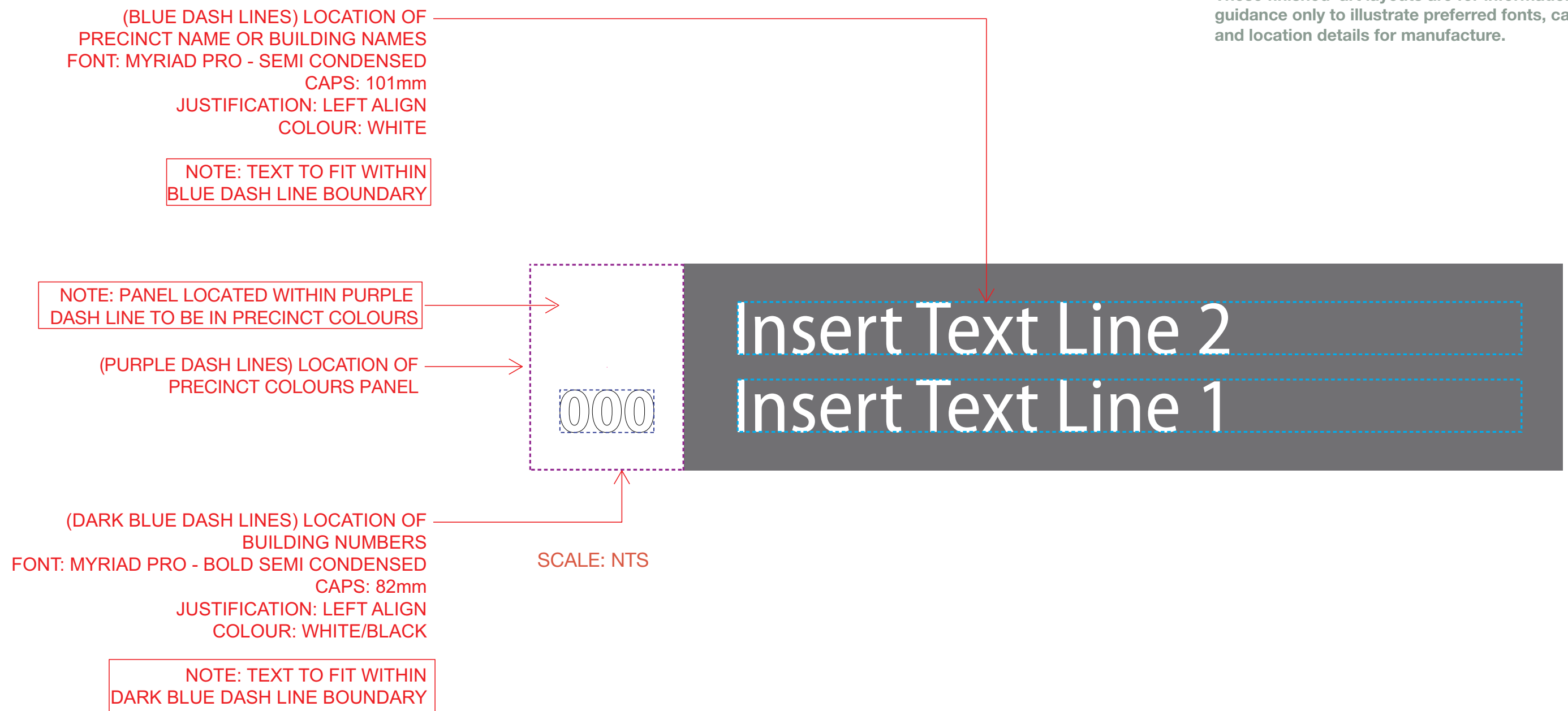
These finished art layouts are for information and guidance only to illustrate preferred fonts, cap sizes and location details for manufacture.



Facility Identification
Wall-mounted
(FAC_ID_WM_40_200)

Finished Art Layout

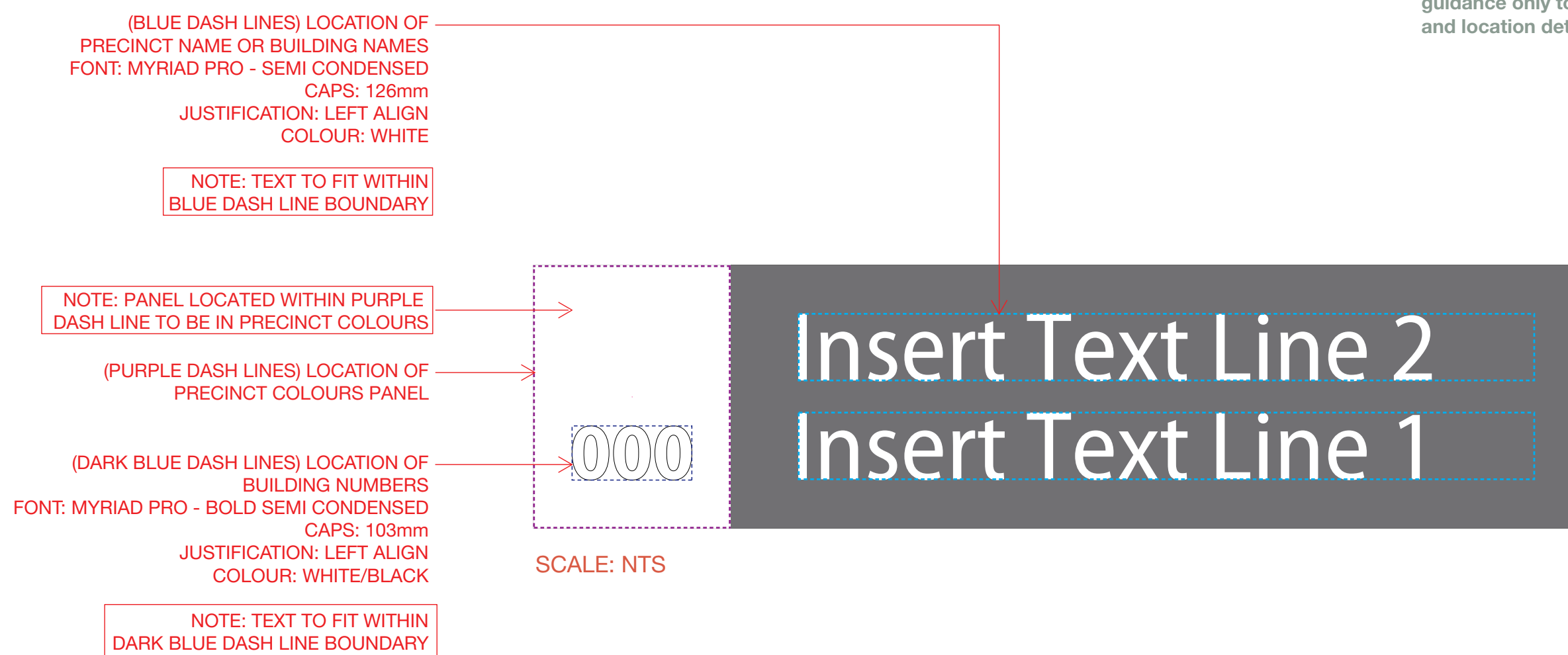
These finished art layouts are for information and guidance only to illustrate preferred fonts, cap sizes and location details for manufacture.

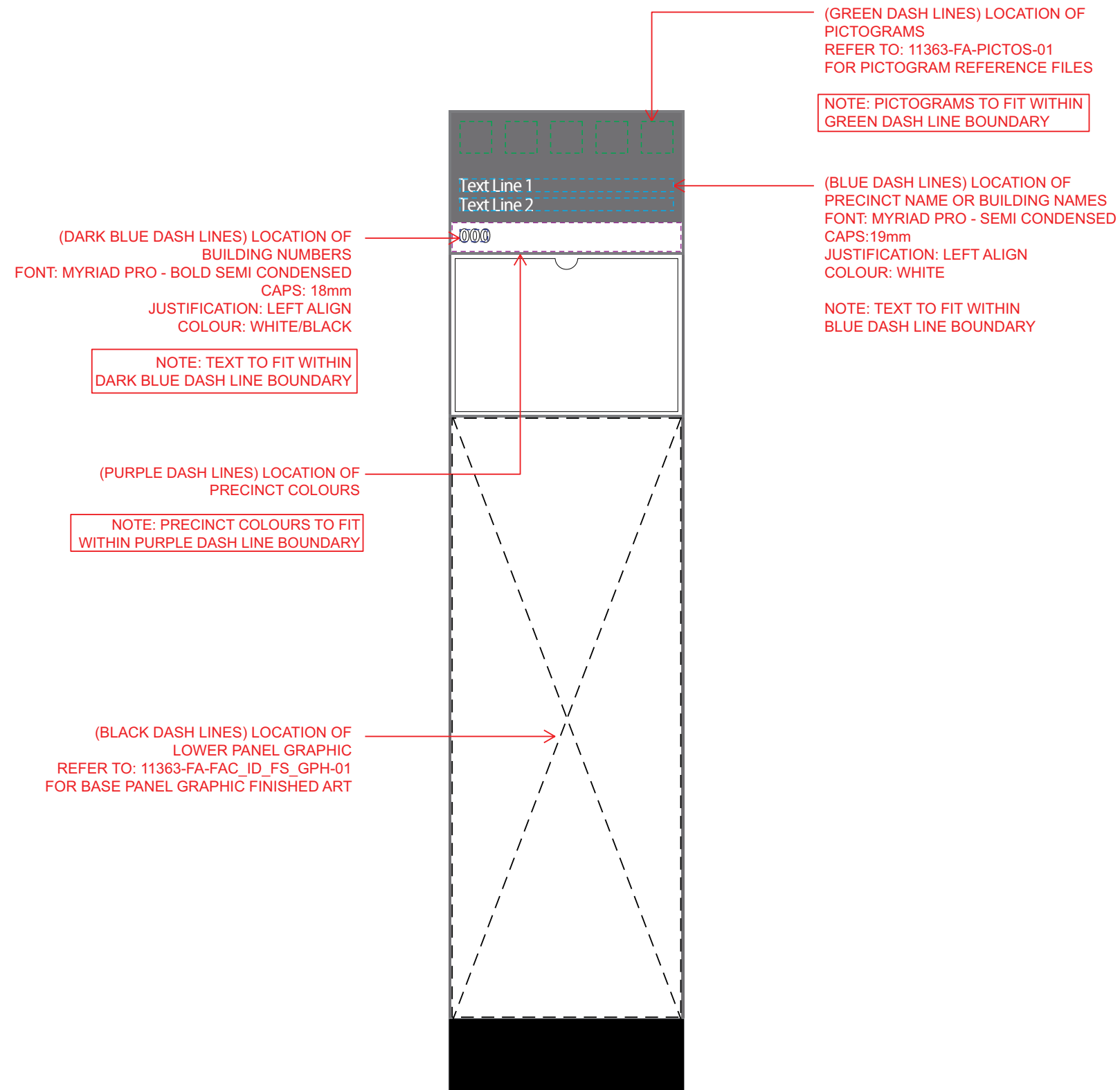


Facility Identification
Wall-mounted
(FAC_ID_WM_50_200)

Finished Art Layout

These finished art layouts are for information and guidance only to illustrate preferred fonts, cap sizes and location details for manufacture.





SCALE: NTS

Facility Identification Free-standing (FAC_ID_FS)

Finished Art Layout

These finished art layouts are for information and guidance only to illustrate preferred fonts, cap sizes and location details for manufacture.

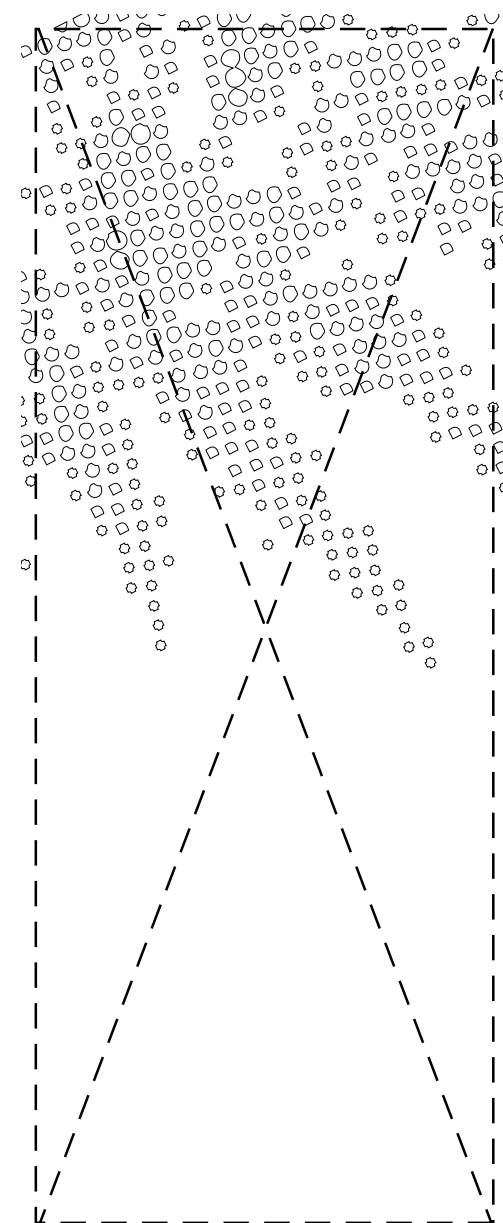
Facility Identification (Graphics-01) (FAC_ID_FS)

Finished Art Layout

Base Panel

File Name: 11363-FA-FAC_ID_FS_GPH-01

These finished art layouts are for information and guidance only to illustrate preferred fonts, cap sizes and location details for manufacture.



BASE PANEL
FILE NAME: 11363-FA-FAC_ID_FS_GPH-01

SCALE: NTS

Directional Arrow Graphics

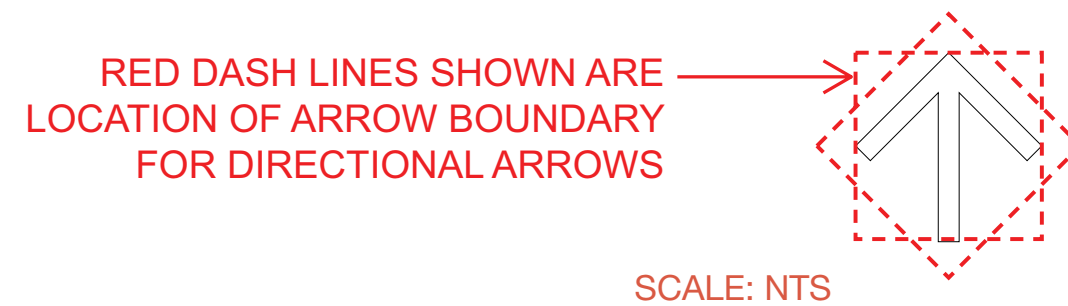
Finished Art Layout

Arrows

File Name: 11363-FA-DIR_ARROWS-01

These finished art layouts are for information and guidance only to illustrate preferred fonts, cap sizes and location details for manufacture.

Note: This is not a finish art file
Directional arrow are to be scaled correctly
according to finish art templates



“You are Here” Graphic

Finished Art Layout

‘You are Here’ Symbol

File Name: 1363-FA_YOU_ARE_HERE-02

These finished art layouts are for information and guidance only to illustrate preferred fonts, cap sizes and location details for manufacture.

Note: This is not a finish art file
Directional arrow are to be scaled correctly according to finish art templates



SCALE: NTS

Propriety Information

EXlites

Sustainable Solar Lighting Solutions

4000B SUPALUX

Solar Billboard and Sign Lighting System Components

- Luminaire:

EX055040 (Not made by EXlites)
- 

Housing:

High Pressure Die Cast
High efficiency Aluminium Reflector
IP Rating: IP65
Tempered Glass Lens Cover
Weight: 3kg
- 

Lamp:

40watt LVD
Initial Luminous Flux 3200lm
Colour Temperatures 5000k +/-
Lamp Life: Minimum 50,000 Hours
- System:

12volt DC input (average)
3.3amp+/- @ 12volt

Warranty:

5years



- Solar Panel:

KYOCERA and UNI-SOLAR (USED EXCLUSIVLEY IN AUSTRALIA ONLY)
- Wattage:

68watt - Uni Solar or 135watt /185watt / 210watt – Kyocera
Note: Multiple solar panels used per application depending on location
- Features:

Kyocera Solar Panels
Conversion efficiency +16% with tempered glass,
Waterproof plugin connectors
Product guarantee 1 year Limited Warranty
Performance guarantee 90% 10years - 80% 20years



- Battery:

Various models subject to autonomy requirements
- Amperage:

Depends on daily runtime requirement
- Electrolyte:

Silicone/AGM
- Warranty:

1-3 years (subject to system design)

- Controller:

Morningstar Sunsaver MPPT or Tristar MPPT
- Multiple runtime presets
 - Programable
- Warranty:

5 years from initial install
- Relay Driver:

When using Tristar MPPT



- Accessories Supplied With Systems

- Pre Wired Controller Board
 - Dual core tinned coated marine grade cables.
 - 2 x 20amp blade fuse holder and isolation switches for maintenance.
 - Installation Manual and Trouble Shooting guide



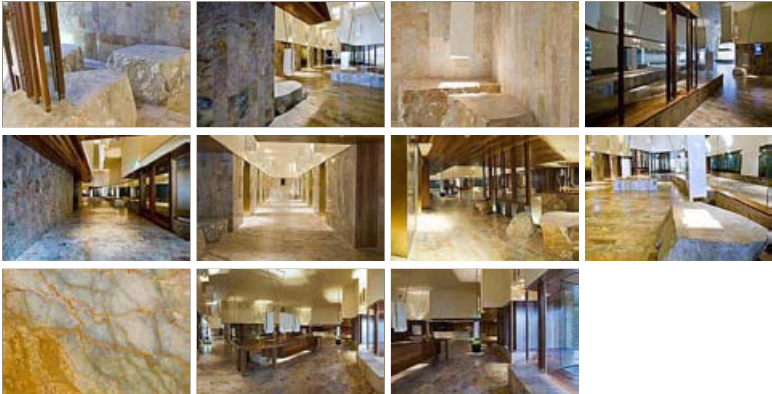
At Cairns Marble
Australia, Our efficient,
friendly and reliable
team are only happy to
assist and to ensure
what you will get is the
best, and in no way
substitute inferior or
faulty stone



Orazia Gold

Very fine grain extremely hard marble - gold/orange/pink/grey background with deeper gold veins

Range	From	To	Avg	ASTM
Abrasion Resistance-Kessler Index	N/A	N/A	N/A	10
Absorbtion by Weight	0.03	0.03	0.03	0.15
Bulk Density (Kg/m³)	2710	2721	2714	2595
Compressive Strength (MPA)	149.5	157	154	52
Flexural Strength	8.65	11.35	9.5	7



Cairns Marble Australia Pty Ltd
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Portsmith, Cairns
Queensland, Australia, 4870

Phone: +61 7 4035 2211
Mobile: +61 0412 772 321
Fax: +61 7 4035 2212
Email: sales@cairnsmarble.com



4000B Supalux

Supplier: Tridonic Atco
Contact: Mike Arien
Mobile: +61 7 5438 8988

Orazia Gold

Supplier: Cairns Marble & Granite
Contact: Carolyn Spralja
Mobile: +61 402 794 235

Propriety Information

All products shown will need confirmation by supplier/contractor if it is suited to be used on proposed signage, application & environment.

Addendum
