Wayfinding and Signage Standards

Revision 12
14 December 2023

Chapter G.4 (Sections 18 - 23)

For sections 01 - 08, refer to chapter G.1
For sections 09 - 12, refer to chapter G.2
For sections 13 - 17, refer to chapter G.3
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Section 18.0

Map
This section is an overview of the design intent and typical specifications of the map system.

- Map Overview
- Map Details
- Kensington Master Map
- Paddington Master Map
Section 18 – Map Overview

Purpose
The evolving nature of the UNSW site requires a map design that is both recognisable yet open to constant change of buildings, rooms and facilities influenced by the 2025 Architectural plan. In response, the map design is cleaner iteration of the existing map that is easily editable, understandable and accessible for all.

Location
Applied to freestanding totems or wall directional that require an additional layer of wayfinding.

Note
- For sign type selection, refer to: Section 5, The Process, Step 3
- For material finishes, refer to: Section 8, Construction Standards, Finishes Schedule
- For sign maintenance, refer to: Section 21, Maintenance

Front Elevation - Freestanding Totem
Scale 1:20

Note
Refer to DR.03 Pedestrian Directional Totem and ID.06 Building Entrance Totem for sign details.

Front Elevation - Wall Mounted
Scale 1:20

Note
Refer to DR.06 Primary Wall Mounted External for sign details.
Section 18 – Map Details

Graphic Layout

Grid
Graphic map to be applied below directional messaging on sign. Map Graphic can reduce in height in response to the length of directional messaging on signform.

Layout Details

1 Map Graphic
Displays section of master map.

2 Legend
Displays pictogram for key destinations and services found within the map.

3 QR Codes
Additional assistance and services through QR code mobile scanning

Construction & Materials

Materiality Legend

V4
• V4 print applied on top of aluminium

Construction Details

• Refer to: Section 8, Construction Standards, Totem & Wall Mounted Signforms

Page 2 of 4
Units: mm

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Section 18 – Kensington Master Map

Map Family

Note
The map should rotate in accordance to viewing orientation of visitor. This allows the viewer to properly understand their surroundings and assess their wayfinding journey.

Important
Map design shown here is current as at March 2023. Any map updates beyond March 2023 to be provided by client.
Master Map
Scale N/A

Map Family

Note
The map should rotate in accordance to viewing orientation of visitor. This allows the viewer to properly understand their surroundings and assess their wayfinding journey.

Important
Map design shown here is current as at March 2023. Any map updates beyond March 2023 to be provided by client.
## Templates

This section is an overview of the design intent and placement of printed and digital templates.

<table>
<thead>
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<th>Templates for Print and Digital: Overview</th>
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<tr>
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<tr>
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</tbody>
</table>
Section 19 – Templates for Print & Digital: Overview

Purpose
The signforms detailed within this list of templates have been designed for flexibility and changeability due to the nature of operations within UNSW. These templates have been designed to create a visual consistency within the changeable sign types that can easily be produced in-house with materials and resources provided.

Means of production for sign type messaging include: profile-cut self-adhesive film, inkjet print onto acetate or paper or digital display on TV screens or iPads.

Lock-ups for each of these changeable sign types have also been included to allow for unity for each of the sign types regardless of the time of production to accommodate for changing tenancies at any given time frame.

Through form, layout and material options, a variety of sign types can be designed that respond to various site conditions and sizes.

The final form has been designed to be a flexible carrier to the content requirements.
Section 19 – Temporary Sign

Media Format

A3 Paper
Print Size: 420mm x 297mm
Orientation: Landscape
Margin: Minimum 10mm

Template Content

Example print outs specific to TD.07:
- Content style and layout is at the discretion of advertiser, as long as all content pertains to the 950mm H x 500mm W advertising space

Visible advertising space -
Scale 1:5
Note
20mm margin is to be maintained for all print outs

TD.07 Detail
Scale 1:10

Clear acrylic inserts to hold 2 x A3 paper prints

A3 portrait print

A3 portrait print

380mm H X 257mm W
Advertising space

20mm margin is to be maintained for all print outs
Section 19 – Room ID Family

Media Format

- **A4 Paper**
  - Print Size: 250mm W x 60mm H
  - Orientation: Portrait
  - Margin: 15mm
- **Occupant Name**
  - FS Millbank Regular
  - Size/Leading: 10mm, 5mm
- **Job Title**
  - FS Millbank Regular
  - Size: 5mm
- **Alignment**
  - Left
- **Tracking**
  - 10+, Optical kerning

Template Content

- Example print outs specific to ID.20e - ID.20f:
  - Room occupant
  - Sliding name plate for staff occupying private office.

Print alignment -
60 x 250 mm with 5mm bleed

Inserted into ID.20e - ID.20f
Messaging Layout

Dr. Lalitha Balasubramanian
Job Position
Section 19 – Digital Signage

Media Format

Digital Screen (Outdoor)
46” Samsung Outdoor OMD Series.
Refer to: https://www.samsung.com/au/business/smart-signage/outdoor-omd-series/lh46omdpwbcxy/
Active display size: 1018.08 H x 572.67 W

Digital Screen (Indoor)
46” Videowall Commercial Display UH46F5.
Refer to: https://www.samsung.com/au/business/smart-signage/lh46uhfclbbxy/
Active display size: 1018.08 H x 572.67 W

All digital screen specifications are nominal only, to be advised by UNSW and contractor.

Template Content

Example layout specific to TD.05:

- Content style and layout is at the discretion of advertiser, as long as all content pertains to the 950mm H x 500mm W advertising space
- Contact footer provides details for advertising opportunities for students and vendors within the UNSW community

Visible advertising space -
Scale 1:5

Note
Contact footer messaging is indicative

For advertising space, contact Estate Management 02 9385 5111
Section

20.0

Shop Drawings

This section is a collection of construction details of every sign within the system.

Shopdrawings received from contractors during the signage guideline roll out phases should be inserted into the following section to ensure consistency across the signage delivery when utilising multiple signage contractors. Signage contractors should refer to these shopdrawings when preparing their own shopdrawings for consistency and clarifications of details and materials.
DR.02 - PEDESTRIAN DIRECTIONAL SIGN (600MM X 2400MM) - TYPICAL GRAPHIC LAYOUT

NOTE:
ALL SIGN PANEL VISIBLE SURFACE TO BE TOP COATED SPRAY 'ELCO' CLEAR SATIN FINISH.

ALL DIRECTIONAL MESSAGE AS VINYL GRAPHICS APPLIED OVER 'ELCO' CLEAR COATING.

GRAPHICS CONTENT INDICATIVE ONLY - NOT FOR PRODUCTION
SPECIFICATION

1. 50mm x 50mmx 6mm galv. steel SHS framework.
2A. 3mm aluminium rolled face panels, back & front butt weld fix and dressed to smooth seamless finish.
    Painted to CI Dulux Dandenong Yellow A205 satin finish.
2B. 3mm aluminium rolled face panels in (2) halves, removable.
    Painted to CI Dulux Dandenong Yellow A205 satin finish.
3. Aluminium fixing angle - nom.
4. Fixing plate - nom.
5. Aluminium fish plate, rolled and fix internally.
6. Aluminium fabricated bracket - nom.
7. 6mm aluminium top cover plate
8. 10mm aluminium base surround plate.
9. 200mm x 200mm x 16mm galv. steel baseplate.
10. M16 fixing holes @ 160mm CTS.
10. 200mm x 75mm x 10mm galv. steel gusset.

NOTE:
ALL SIGN PANEL VISIBLE SURFACE TO BE TOP COATED SPRAY ‘ELCO’ CLEAR SATIN FINISH.
ALL DIRECTIONAL VINYL GRAPHICS TO BE APPLIED OVER ‘ELCO’ CLEAR COATING.
SPECIFICATION
1. 50mm x 50mm x 6mm galv. steel SHS framework.
2. 3mm aluminium panelled face panels in (2) halves, removable.
   Painted to Dulux Dandelion Yellow A2105 satin finish.
3. Aluminium fixing angle - nom.
4. Fixing plate - nom.
5. Aluminium fabricated bracket - nom.
6. 200mm x 200mm x 16mm galv. steel baseplate.
   4/M18 fixing holes @ 140mm CTS.
7. 200mm x 75mm x 10mm galv. steel gusset.

Section A:A - Plan
- scale 1:50@A3

Baseplate
- scale 1:50@A3
Specification

1A. 3mm aluminium CNC cut out to shape with fixing holes. Painted to Dulux Dandelion Yellow A205 satin finish. UNSW logo V3 direct printed to panel.

1B. 3mm aluminium CNC cut out to shape fix secured to item 1A with pin studs concealed fix to rear. Painted to Dulux Dandelion Yellow A205 satin finish. All graphics in V2 black matte cast SAV applied to panel.

2. Aluminium split batten extrusion, 1 side spot weld fix to rear of item 1A sign panel and other mechanically fix to wall. All painted black satin finish.

3. M3 pins concealed to rear of graphic panel. No visible fixings to face panels.

NOTE:

ALL SIGN PANEL VISIBLE SURFACE TO BE TOP COATED SPRAY 'ELCO' CLEAR SATIN FINISH.

ALL DIRECTIONAL MESSAGE AS VINYL GRAPHICS APPLIED OVER 'ELCO' CLEAR COATING.

GRAPHICS CONTENT INDICATIVE ONLY - NOT FOR PRODUCTION
**Specification**

1A. 3mm aluminium CNC cut out to shape with fixing holes. Painted to Dulux Dandelion Yellow A205 satin finish. UNSW logo V3 direct printed to panel.

1B. 3mm aluminium CNC cut out to shape fix secured to Item 1A with pin studs concealed fix to rear. Painted to Dulux Dandelion Yellow A205 satin finish. All graphics in V2 black matte cast SAV applied to panel.

2. Aluminium split batten extrusion. 1 side spot weld fix to rear of Item 1A sign panel and other mechanically fix to wall. All Painted black satin finish.

3. M3 pins concealed to rear of graphic panel. No visible fixings to face panels.

**NOTE:**

**ALL SIGN PANEL VISIBLE SURFACE TO BE TOP COATED SPRAY ‘ELCO’ CLEAR SATIN FINISH.**

**ALL DIRECTIONAL MESSAGE AS VINYL GRAPHICS APPLIED OVER ‘ELCO’ CLEAR COATING.**

**GRAPHICS CONTENT INDICATIVE ONLY - NOT FOR PRODUCTION**
SPECFICATION

1A. 3mm aluminium CCN cut out to shape with fixing holes. Painted to CT Dulux Dandelion Yellow A205 satin finish. Pinline to be engraved and filled black.

1B. 3mm aluminium CCN cut out to shape fix secure to item 1A with pin stud concealed to rear. Painted to CT Dulux Dandelion Yellow A205 satin finish. UNSW logo V3 direct printed to painted panel.

2. Aluminium split batten extrusion.
1 side spot weld fix to rear of item 1A sign panel and other mechanically fix to wall.
All painted black satin finish.

3. M3 pins concealed to rear of graphic panel. No visible fixings to face panels.

NOTE:
ALL SIGN PANEL VISIBLE SURFACE TO BE TOP COATED SPRAY ‘ELCO’ CLEAR SATIN FINISH.

ALL DIRECTIONAL MESSAGE AS VINYL GRAPHICS APPLIED OVER ‘ELCO’ CLEAR COATING.

GRAPHICS CONTENT INDICATIVE ONLY - NOT FOR PRODUCTION

FILENAME:
Art R8\1\UNSW\G89939-R2; Kensington-WayfindingSignage\TypicalConstruction\DR07 PrimarySmallDirectionalSign-WallMount.CDR

DATE DRAWN: 27/07/2022
DRAWN BY: NE
CHECKED BY: 
SCALE: A3 indicated @A3

ARTWORK APPROVED BY:
DATE APPROVED: / /
SPECIFICATION

1A. 3mm aluminium CCN cut out to shape with fixing holes.
   Painted to CT Dulux Dandelion Yellow A205 satin finish.
   Pinline to be engrave and filled black.

1B. 3mm aluminium CCN cut out to shape fix secure to item 1A with pin studs concealed to rear.
   Painted to CT Dulux Dandelion Yellow A205 satin finish.
   UNSW logo V3 direct printed to painted panel.

2. Aluminium split batten extrusion,
   1 side spot weld fix to rear of item 1A sign panel and
   other mechanically fix to wall.
   All painted black satin finish.

3. M3 pins concealed to rear of graphic panel.
   No visible fixings to face panels.

NOTE:
ALL SIGN PANEL VISIBLE SURFACE
TO BE TOP COATED SPRAY "ELCO"
CLEAR SATIN FINISH.

ALL DIRECTIONAL MESSAGE AS VINYL
GRAPHICS APPLIED OVER "ELCO" CLEAR
COATING.

GRAPHICS CONTENT INDICATIVE ONLY
- NOT FOR PRODUCTION
UNSW Signage & Wayfinding - Kensington Campus

TYPE ID.07 BUILDING ID/DIRECTIONAL SIGNS (GLAZING MOUNTED) - TYPICAL CONSTRUCTION

Specification

1A. 3mm aluminium CNC cut out to shape backing panel. Painted to CI Dulux Dandelion Yellow A205 satin finish. UNSW logo V3 direct printed to panel.

1B. 3mm aluminium CNC cut out to shape graphic panel. VHB tape/adhesive fix to item 1A. Painted to CI Dulux Dandelion Yellow A205 satin finish. All graphics in V2 black matte cast SAV applied to panel.

2. Avery #707 Primrose Yellow backing film, applied to glazing to conceal VHB tape fixings.

ITEMS 1A & 1B VHB TAPE/ADHESIVE FIX AS COMPLETE SIGN, INSTALLED TO GLAZING WITH VHB TAPE ATOP OF (ITEM2).

NOTE:
ALL SIGN PANEL VISIBLE SURFACE TO BE TOP COATED SPRAY ‘ELCO’ CLEAR SATIN FINISH.

ALL DIRECTIONAL MESSAGE AS VINYL GRAPHICS APPLIED OVER ‘ELCO’ CLEAR COATING.
**UNSW Signage & Wayfinding - Kensington Campus**

**TYPE ID:07 BUILDING ID/DIRECTIONAL SIGNS (GLAZING MOUNTED) - TYPICAL CONSTRUCTION**

**Specification**

1A. 3mm aluminium CNC cut out to shape backing panel. Painted to Dulux Dandelion Yellow A205 satin finish. UNSW logo V3 direct printed to panel.

1B. 3mm aluminium CNC cut out to shape graphic panel. VHB tape/adhesive fix to item 1A. Painted to Dulux Dandelion Yellow A205 satin finish. All graphics in V2 black matte cast SAV applied to panel.

2. Avery #707 Primrose Yellow backing film, applied to glazing to conceal VHB tape fixings.

**ITEMS 1A & 1B VHB TAPE/ADHESIVE FIX AS COMPLETE SIGN, INSTALLED TO GLAZING WITH VHB TAPE ATOP OF (ITEM2).**

**NOTE:**

- **ALL SIGN PANEL VISIBLE SURFACE TO BE TOP COATED SPRAY ‘ELCO’ CLEAR SATIN FINISH.**
- **ALL DIRECTIONAL MESSAGE AS VINYL GRAPHICS APPLIED OVER ‘ELCO’ CLEAR COATING.**

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**FILENAME:** Art\%\unsw\684939-R2-Kensington-WayfindingSignage\TypicalConstruction\1207 Building Entry \(\) DirectionalSign GlazingMounted.cdr

**DATE DRAWN:** 27/07/2022

**DRAWN BY:***

**CHECKED BY:***

**SCALE/A3 indicated @A3**

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**Digital Print**

- **Panone 102 Yellow Satin**
- **Avery 707 Primrose Yellow**

---

**BLACK MATTE SAV**

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**UNSW Signage and Wayfinding Guidelines**

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**CunneenSigns**

The name you can identify with

Cunneen & Company Pty Ltd - ABN: 95 002 189 648

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ID.08 - EXTERNAL FACILITY ENTRANCE GLAZING MOUNT SIGN (600MM X 800MM) - TYPICAL LAYOUT | CONSTRUCTION

**Specification**

1A. 3mm aluminium CNC cut out to shape backing panel. Painted to CI Dulux Dandelion Yellow A205 satin finish. UNSW logo V3 direct printed to panel.

1B. 3mm aluminium CNC cut out to shape graphic panel. VHB tape/Adhesive fix to item 1A. Painted to CI Dulux Dandelion Yellow A205 satin finish. All graphics in V2 black matte cast SAV applied to panel.

2. Avery #707 Primrose Yellow backing film, applied to glazing to conceal VHB tape fixings.

**ITEMS 1A & 1B VHB TAPE/ADHESIVE FIX AS COMPLETE SIGN INSTALLED TO GLAZING WITH VHB TAPE AT TOP OF (ITEM2).**

**NOTE:**

ALL SIGN PANEL VISIBLE SURFACE TO BE TOP COATED SPRAY “ELCO” CLEAR SATIN FINISH.

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**UNSW Signage & Wayfinding - Kensington Campus**

**Plan Elevation**

scale 1:10 @ A3

**Front Elevation**

scale 1:10 @ A3

**End Elevation**

scale 1:10 @ A3

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**UNSW Signage and Wayfinding Guidelines**

Filename: Art 65/\UNSW\48939-R2:Kensington-WayfindingSignage\TypicalConstruction\ID08-FacilityEntry-02\Sign.CDR

Date Drawn: 27/07/2022

Revision: 

Checked By: 

Scale: A3 indicated @ A3

Date Approved: / /

Artwork Approved By: 

Production: 

Cunneen Signs

The name you can identify with

Cunneen & Company Pty Ltd - ABBN: 95 002 189 648
P. 9637 5400  F. 9637 5414  www.cunneensigns.com.au

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UNSW Signage & Wayfinding - Kensington Campus

ID.08 - EXTERNAL FACILITY ENTRANCE GLAZING MOUNT SIGN (600MM X 800MM) - CONSTRUCTION

Specification
1A. 3mm aluminium CNC cut out to shape backing panel.
   Painted to CI Dulux Dandelion Yellow A205 satin finish.
   UNSW logo V3 direct printed to panel.

1B. 3mm aluminium CNC cut out to shape graphic panel.
    VHB tape/adhesive fix to item 1A.
    Painted to CI Dulux Dandelion Yellow A205 satin finish.
    All graphics in V2 black matte cast SAV applied to panel.

2. Avery #707 Primrose Yellow backing film,
   applied to glazing to conceal VHB tape fixings.

ITEMS 1A & 1B VHB TAPE/ADHESIVE FIX AS COMPLETE SIGN,
INSTALLED TO GLAZING WITH VHB TAPE AT TOP OF (ITEM2).

NOTE:
ALL SIGN PANEL VISIBLE SURFACE
TO BE TOP COATED SPRAY "ELCO" CLEAR SATIN FINISH.

UNSW Signage and Wayfinding Guidelines
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Sign Specifications

- Samsung OH46F digital display with SUF46 Display touch overlay concealed fixed to steel framework.
- Avery 900 matte black series 900 individual cut-out SAV graphics, with 'UNSW' logo digitally printed to 3M SAV, over-laminated with satin finish.
- 20mm thick profile cut through, evenly illuminated with cool LEDs, backed with 3mm thick opal acrylic panels.
- 6mm thick cap plate fixed with countersunk fixings.
- Outlet air vents for heat release from digital sign.
- Inlet air vents for cooling of digital sign.

Colour References

- Avery glossy black SAV
- Opal Acrylic
- Dulux Dandelion Yellow (A205)
- Satin Digital Print

Artwork Approved with changes as noted.

Please review your proof carefully, as it is a copy of final production file(s) to be used once signed approval received. YOU understand and accepting all responsibility for the final layout, spellings, production process, materials usage specifications of your products ask for any errors or omissions in either type or layout before after production is complete.

DATE DRAWN: 05.10.2022
DATE APPROVED: / /
Specifications

1. 6mm thick toughened low iron glass with touch screen membrane (inside), fixed to 3mm sign skin internally.
2. Samsung OH 46B digital signage screen external grade.
3. VESA sign mounting fixings.
4. Stainless steel mesh internally fixed to cover the vents to prevent any flies or bugs inside the sign.
5. Air Vents
6. Welded angles to suit the glass dimensions and to keep glass equally aligned to the front of digital sign screen.

Please review your proof carefully, as it is a copy of final production file/s to be used once signed approval received. YOU understand and accepting all responsibility for the final layout, spellings, production process, materials and specifications of your products and the final怎么看前或 restriction to either type or layout found after production is complete.
Sign Specifications

1. 90x50mm SHS aluminium framework, mitred edges, galvanised.
2. Supports to clad the sign skin in round shape on the sides.
3. Cool LEDs to evenly illuminate the cutout profiles.
4. 90 degree angles welded to fix the LED tray.
5. 3mm thick aluminium bottom plate to cap the sign from bottom.
6. 6mm thick gusset plates welded to base plate to support the sign.
7. 16mm thick 200x200mm aluminium base plate.
8. Non-shrinkable grout.
9. 25 MPa concrete footing, with steel cage.
10. 50x25mm RHS member galvanised and welded to framework.
11. M8 slotted fixings to mount the sign via VESA mount holes.
13. M18 nuts and bolt assembly to base plate.
14. Cool LEDs to evenly illuminate the cutout profiles.
15. 90x50mm SHS aluminium framework, mitred edges, galvanised.
16. Supports to clad the sign skin in round shape on the sides.
17. Cool LEDs to evenly illuminate the cutout profiles.
18. 90 degree angles welded to fix the LED tray.
19. 3mm thick aluminium bottom plate to cap the sign from bottom.
20. 6mm thick gusset plates welded to base plate to support the sign.
21. 16mm thick 200x200mm aluminium base plate.
22. Non-shrinkable grout.
23. 25 MPa concrete footing, with steel cage.
24. 50x25mm RHS member galvanised and welded to framework.
25. M8 slotted fixings to mount the sign via VESA mount holes.
27. M18 nuts and bolt assembly to base plate.
4.5mm opal/clear acrylic fabricated top hat.  
Mechanically screw fix to framework. 
Orbital non-directional finish. 
Internally LED illuminated. 

3mm Opal acrylic retro-fit panel with direct print graphics.  
Double print to ensure opacity.  
Top coated 'Elco' clear satin finish.  
Fix to 4.5mm clear acrylic backing panel secured internally to frame.  
Internally LED illuminated.  

3mm aluminium rolled face panels with cut out sections. 
All visible surface painted Pantone 165C Signal Orange and top coated 'Elco' clear satin finish.  
Express butt join to face panels.  
Apply internal fish plate and ensure no light leakage.  
AXIS 18016-LVE Network Video Intercom, 
Installed and secured fix to aluminium face panel as per manufacturer specifications.  
Message in cast SAV graphics applied to panel and top coated spray 'Elco' clear satin finish. 

4.5mm opal/clear acrylic retro-fit panel with direct print graphics,  
double print to ensure opacity.  
Top coated ‘Elco’ clear satin finish.  
Fix to 4.5mm clear acrylic backing panel secured internally to frame.  
Internally LED illuminated.  

3mm aluminium rolled face panels with cut out sections. 
All visible surface painted Pantone 165C Signal Orange and top coated 'Elco' clear satin finish.  
Express butt join to face panels.  
Apply internal fish plate and ensure no light leakage.  
AXIS 18016-LVE Network Video Intercom, 
Installed and secured fix to aluminium face panel as per manufacturer specifications.  
Message in cast SAV graphics applied to panel and top coated spray 'Elco' clear satin finish.

UNSW crest/logo/message  
Digital print and cast SAV graphics applied to panel and top coated spray ‘Elco’ clear satin finish.  

Fish plate applied to rear of face panel painted white satin finish. 

10mm pinline, all engraved and filled white. 

12mm base plate. 

Changes Required  
Please resubmit. 

Artwork Approved  
with changes as noted. 

Artwork Approved  
Production ready.
Calls are monitored via CCTV and recorded.

7. 3mm Opal acrylic retro-fit panel with digital print black graphics onto translucent white media, applied to face and top coated ‘Elco’ clear satin finish.

Fix to 4.5mm clear acrylic backing panel VHB tape/adhesive secured internally to frame.

6. 3mm aluminium rolled face panels with cut out sections, 1 side weld fix to framework and 1 off side removable by means of CSK security screw fixings.

Visible edges painted Pantone 165C Signal Orange and top coated ‘Elco’ clear satin finish.

6A. 3mm aluminium rolled face panels with engraved pinlines. Painted Pantone 165C Signal Orange and pinlines filled white. All surface top coated spray ‘Elco’ clear satin finish.

6B. 3mm aluminium rolled face panels with engraved pinlines. Painted Pantone 165C Signal Orange and pinlines filled white. All surface top coated spray ‘Elco’ clear satin finish.

11. AXIS I8016-LVE Network Video Intercom. Installed and secured fix to aluminium face panel as per manufacturer specifications.

Apply internal fish plate and ensure no light leakage.

1. 50x50x3mm SHA aluminium framework.
2. 6mm aluminium route cut rib plates, fully weld fix to SHS framework.
3. 12mm aluminium route cut base and support plates, fully weld fix to SHS framework.
4. 20x35mm aluminium tube weld fix to framework.
5. M10 8.8 high tensile galvanised steel bolts, Chemset set into existing concrete slab - COS.

6. 3.5mm aluminium rolled face panels with cut out sections, 1 side weld fix to framework and 1 off side removable by means of CSK security screw fixings. All visible surface painted Pantone 165C Signal Orange and top coated ‘Elco’ clear satin finish.

6B. 3mm aluminium rolled face panels with engraved pinlines. Painted Pantone 165C Signal Orange and pinlines filled white. All surface top coated spray ‘Elco’ clear satin finish.

7. 3mm Opal acrylic retro-fit panel with digital print black graphics onto translucent white media, applied to face and top coated ‘Elco’ clear satin finish. Fix to 4.5mm clear acrylic backing panel VHB tape/adhesive secured internally to frame.

8. 6mm opal/clear acrylic fabricated top hat. Orbital non-directional finish and top coated spray ‘Elco’ clear satin finish. Mechanically screw fix to framework.

9. LED internal illumination - nom.

10. 3mm white ACM or equivalent LED folded tray, mechanically screw fixed to framework.

11. AXIS I8016-LVE Network Video Intercom. Installed and secured fix to aluminium face panel as per manufacturer specifications.
Qty:-2x

Sign Elevation
scale 1:20@A3

Front Elevation
scale 1:10@A3

End Elevation
scale 1:10@A3

Sign OP.07 (Wall mounted)

300 mm
1600 mm
G/L
60 mm
10 mm

OP.07.C

OP.07.B

HELP POINT

NSW Security

and recorded.

Illuminated

Avery 900
matte black
SAV

Opal
Acrylic

Satin White
Paint

Colour References

Avery 900
matte black
SAV

Opal
Acrylic

PMS 165 C
Safety Orange

Satin

This is a direct line to UNSW Security.
Calls are monitored via CCTV and recorded.

Front Elevation
scale 1:10@A3

2300mm - FFL

End Elevation
scale 1:10@A3

Sign Elevation
scale 1:20@A3

Qty:-2x

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P. 9637 9400    F. 9897 3414   www.cunneensigns.com.au

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1. 50mm x 20mm x 3mm aluminium angle fabricated wall bracket. Painted black satin finish.
2. 3mm aluminium rolled/fabricated face panel with cut out section. Painted to match Pantone 165C, Signal Orange satin finish.
3. 6mm aluminium rib plates, contour shape cut to fit. Top plates in partial sections only to allow illumination. Fully welded to sign face.
4. 25mm x 25mm x 3mm aluminium angle weld fix to sign face. All visible edges painted black satin finish.
5. AXIS 18016-LVE Network Video Intercom. Installed and secured fix to aluminium face panel as per manufacturer specifications.
6. 3mm opal acrylic 'Help Point' panel orbital non-directional finish with direct print graphics (double print to ensure opacity). Top coated 'Elco' clear satin finish. Fixed to 4.5mm clear acrylic backing panel installed to rear of sign panel.
7. Folded pan tray complete with LED internal illumination - nom.
8. 4.5mm opal acrylic fabricated top hat with 10mm clear acrylic base capping to allow illumination. Mechanically and VHB tape fix to face panel fixing plates.
9. 6/M6 security stainless steel fixings, all painted black satin finish.
10. MB wall anchors. nom. (Varies to sign locations - COS).

Please review your proof carefully, as it is a copy of final production file/s to be used once signed approval received. YOU understand and accepting all responsibility for the final layout, spellings, production process, materials as per specifications of your product/s and the sign graphics or any other print or layout used after production is complete.
Sign Elevation
scale 1:20@A3

图示

Graphical Layout (Both sides)
scale 1:5@A3

End Elevation
scale 1:5@A3

Colour References

Avery 900
matte black
SAV
Opal
Acrylic

PMS 165 C
Safety Orange
Satin

请仔细检查您的样稿，因为它是一份最终生产文件的副本，可能在收到最终批准后使用。如果您理解并接受最终布局、拼写、生产过程、材料和任何错误或遗漏，这些错误或遗漏可能在生产完成后出现。

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File Name: Art 70\A\A W Edwards\70809\70809.cdr

Please review your proof carefully, as it is a copy of final production files to be used once signed approval received. YOU understand and accepting all responsibility for the final layout, spellings, production process, materials and any specifications of your products and the use thereof or consequences of either type or layout image after production is complete.

Avery 900
matte black
SAV
Opal
Acrylic

PMS 165 C
Safety Orange
Satin

Artwork approved with changes as noted.

Artwork approved production ready.
1. 32mm x 32mm x 3mm SHS aluminium framework. Painted black satin finish.
2. 30mm x 50mm x 6mm aluminium flatbar.
3. 6mm flatbar spacer in black finish - nom.
5. 3mm aluminium sign panels with folded returns. Painted to match Pantone 165C satin finish. Complete with applied cast SAV graphics. Fixed to frame work by means of M4 CSK screws.
6. M4 CSK screw fixings, painted to match face panel.
Section 21.0

Maintenance

This section specifies protocols in maintaining a high standard in presentation of signforms.

Maintenance Policy
Maintenance

Maintenance Policy
A maintenance policy and program of regular maintenance is required to ensure all UNSW signs display the correct message and are free of defect and/or signs of vandalism.

Annual cleaning of signs is required to prevent build up of dirt etc. to ensure signs are legible and presentable. For signs located in high use areas cleaning should be undertaken half yearly or more regularly at the discretion of the maintenance department.

An in-house computer register of signs with inspection and maintenance records should be established and maintained. Signs should be inspected periodically and conditions compared with the previous entry in the register. Signs are to be checked for:

- Appropriateness of message
- Condition of sign panels
- Condition of connection to base building
- Condition of materials and welds
- Condition and security of hardware
- Evidence of vandalism/damage
- Assessment of suitable repairs

Following inspection refer Maintenance manual for procedure required to clean, remove graffiti, general up-keep and remedy any faults. Signs of which the condition has deteriorated should be listed for repair or replacement. It is preferable that this work be carried out by the Signage Contractor responsible for the installation.

Maintenance Manual
The Signage Contractor shall provide a Maintenance Manual containing a technical specification of the supplied item(s), each sign type, and setting out a detailed method statement covering proposed methods for all routine care and maintenance procedures, including but not limited to:

- All working and as-built drawings for all aspects of the works, i.e. footing details, artwork, individual sign design, thus enabling any component to be easily re-manufactured if and when required
- Comprehensive parts list
- Spare parts list to enable a quick reordering of components including supply time frames
- Site plan detailing each sign location and sign type
- Contractors and suppliers contact list detailing all works performed and materials supplied, for example installation and footing contractor, metal, acrylic, tactile, Braille, paint, adhesive, sealant, self-adhesive film, and fixing suppliers
- All associated certification documents
- Sign installation and removal details
- Sign content replacement
- Sign lighting removal/replacement for relevant signs
- Replacement procedures for each individual section or replaceable panel of the signage system, i.e. letters, slats, metal panels, paper inserts
- Cleaning and maintenance instructions
- Graffiti/vandalism repair/removal instructions
- All digital photos of the project

The Maintenance Manual should list any required equipment for typical maintenance procedures and changeability procedures, and recommendations for the use and care of the item(s).

The warranty period for each sign should be nominated including the extent of warranty. For proprietary items include the names and addresses of the manufacturers and suppliers of each component, including relevant manufacturer product warranties.

Format shall be A4. One electronic copy shall also be supplied. Three hard copies bound in hard cover ring binder. The pages shall be in individual plastic folders. Include original publications or colour copies of manufacturers’ information.
Roll Out
This section specifies protocols in rolling out the signage system across the UNSW site.
Roll Out Overview

Why do we need a roll out plan?
UNSW is located on a thirty eight hectare site, comprised of over sixty multi-deck buildings that accommodate over fifty two thousand students and seven thousand staff. The processes involved in implementing a signage system within a site of such scale requires careful planning and management to ensure that budgets, standard of quality and safety are met and maintained. To establish a consistent wayfinding approach across the whole site for familiar and first-time users, without impeding too heavily on the operations of facilities, buildings and students, it is necessary that a roll out plan is considered before any mass manufacturing and installation of signs are initiated.

Who is required in planning the roll out?
It is envisaged that the collaboration of a variety of people, along with the utilisation of the Standards will ensure the delivery of the sign system in a professional and collective manner. These people include:

- UNSW
- Designated staff members
- External design/building consultants including:
  - Architects
  - Interior architects
  - Project manager
  - Structural engineers
  - Signage consultants
  - Signage contractors

Notes
The following protocol on the following page is a recommendation only. The final roll out procedure is at the discretion of the UNSW Project Control Group.
Recommended Protocol

Stage 1 – Perimeter Entry Gates

Purpose
The bus dependant location of UNSW, along with the introduction of light rail, will always position public transport as the key mode of access to the University for students, staff and visitors. In result, gate entries, which are consistently in close proximity of public transport terminals or placed at vehicular entry points, act as the first point of confirmation for an individuals wayfinding journey. To initiate the goal of creating high quality public realm experiences for the 2025 Architectural strategy, it is advised that gate entries are the first areas of the UNSW site to transition to the new signage system. The introduction of the main gate entry totems will bring context to the implementation of the rest of the new sign system.

Approach
Main gates to be prioritised.

Sign types
ID.01, ID.02, ID.03

Stage 2 – External Signage

Purpose
Due to the scale of the UNSW site, and the processes involved in implementing a signage system, it is advised that the next stage of roll out is carried out into external pathway signage, prioritizing building identification and wayfinding signs. Not only will this allow positioning planning to be more considered, but also reduce the possibilities of waste during the installation stage. Any new buildings or fitouts need to address both external and internal signage.

Approach
Signage system to be integrated during planning stage of individual buildings.

Sign types
All external sign types where required.

Stage 3 – Internal Signage

Purpose
Most existing buildings within UNSW have sign systems embedded at a surface and structural level. In addition to the passage of time, many students are familiar with the nomenclature and visual elements of these wayfinding systems, and may have already adopted or constructed their own wayfinding journeys to find certain destinations. As a result, the positioning of new signs requires much more consideration to ensure the new wayfinding system is as intuitive as possible. Consequently, the introduction of the new internal signage system to older, existing buildings should be done last. This will provide sufficient time for planning of replacement and removal of old signs, location masterplanning and installation of new signs.

Approach
Existing buildings with greater capacities and areas with heavy pedestrian traffic to be prioritised.

Sign types
All internal sign types where required.
Appendix

This section compiles any extra strategies, documentation and sign type details not captured in the previous sections.

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Room Numbering Protocol

RMS & NSW Transit Authority Signage

Wayfinding Principles
When new buildings or levels cannot adopt the existing UNSW Room Numbering Protocol, the strategy shown should be used.

Room codes are displayed as four digit numbers. The first two digits represent the level number. The last two represent the room number within the level. The sequence of the last two digits begins and ends within its level. The sequence of room number allocation is at clockwise direction starting at the room closest to the main entry point of the level. In result, no two numbers will be exactly the same within the one building. This also provides a system that does not disrupt the number sequence of all rooms within a building when a new room code is added.

**Note**
The plan shown is diagrammatic only, to showcase room number sequencing.
RMS and NSW Transit Authority Signage – Overview

The strategy is based on principles of wayfinding from roads and transit routes directly connected to the UNSW Kensington Campus. The primary objective of this strategy is to deliver traffic to the site perimeter of UNSW Kensington. The user is then introduced to the UNSW signage system which guides them through the threshold and to the intended destination.

Recommended naming on road signage is “UNSW Kensington” to avoid confusion as UNSW have multiple campuses within close proximity and throughout Sydney. Submissions for road signs are to be submitted to local councils (Randwick City Council). This is to be undertaken by UNSW either directly or by engaging a consultant.

This diagram highlights the Kensington campus perimeter in the context of its surrounding suburbs and routes from Daceyville to Randwick.

Key
- Campus Perimeter

NSW Roads Standards
Guidance is provided by the NSW Roads and Maritime Services signage guidelines and specifications. These specifications can be found at www.rms.nsw.gov.au. All road signs must comply with latest editions of Australian Standard ‘AS1743: Road Signs-Specifications’ and ‘AS1742: Manual of Uniform Control Traffic Devices’. As of the date of issue, the most recent edition is the 2018 one, as shown.
roads and transit routes directly connected to the UNSW Kensington Campus. The user is then introduced to the UNSW signage system. Recommended naming on road signage is “UNSW Kensington” to avoid confusion as UNSW have multiple campuses within close proximity and throughout Sydney. Submissions for road signs are to be submitted to local councils (Randwick City Council). This is to be undertaken by UNSW either directly or by engaging a consultant.

This diagram shows where existing and proposed road signage is allocated around the Kensington campus. 

A  Corner of Todman Avenue and ANZAC Parade
B  Corner of Alison Road and Botany Street
C  Corner of Avoca Street and High Street
D  Corner of Botany Street and Barker Street
E  Corner of Rainbow Street and ANZAC Parade
F  Corner of Gardeners Road and ANZAC Parade
G  Corner of Wansey Road and Alison Road

Key
- Proposed UNSW Kensington Sign
- Existing UNSW Kensington Sign
- Campus Perimeter
RMS and NSW Transit Authority Signage – Location Views

A. Corner of Todman Avenue and ANZAC Pde

B. Corner of Alison Road and Botany Street

C. Corner of Avoca Street and High Street

D. Corner of Botany Street and Barker Street

E. Corner of Rainbow Street and ANZAC Parade

F. Corner of Gardeners Road and ANZAC Parade

G. Existing sign on corner of Wansey Road and Alison Road

Key

A. New road sign to corner of Todman Avenue and ANZAC Parade with ‘UNSW Kensington’ destination

B. ‘UNSW Kensington’ added to highlighted existing road sign

C. New road sign to the corner of Avoca Street and High Street with children’s hospital and ‘UNSW Kensington’ destinations

D. New road sign to the corner of Botany and Barker Street with ‘UNSW Kensington Gate 11’ and ‘UNSW Kensington Gate 14’ destinations

E. New road sign to corner of Rainbow Street and ANZAC Parade with ‘UNSW Kensington’ destination

F. New road sign to corner of Gardeners Road and ANZAC Parade with ‘UNSW Kensington’ destination

G. Update existing sign to ‘UNSW Kensington’

Note

All proposed road sign messaging and locations are indicative only, to be updated in conjunction with the construction of the ANZAC Parade light rail.
Wayfinding Principles – Reading Distances

In order to be effective, a sign must be legible. When planning signs, efforts must be made to reduce the number of signs required by using larger text sizes where possible. This diagram illustrates the recommended letter heights relative to viewing distances for a person with average eyesight.

<table>
<thead>
<tr>
<th>Letter Height</th>
<th>Reading Distances</th>
</tr>
</thead>
<tbody>
<tr>
<td>50mm</td>
<td>15m</td>
</tr>
<tr>
<td>40mm</td>
<td>12m</td>
</tr>
<tr>
<td>30mm</td>
<td>9m</td>
</tr>
<tr>
<td>20mm</td>
<td>6m</td>
</tr>
<tr>
<td>10mm</td>
<td>3m</td>
</tr>
</tbody>
</table>

Note

Refer to ‘Section 9, Graphic Standards, Typographic Grids’ for letter heights specific to sign types.
Wayfinding Principles – Sight Line Legibility

Total comfortable viewing zone
As determined by AS1428.2

This diagram illustrates the total comfortable viewing zone of a user in regards to signage, as determined by AS1428.2. Signs outside of this area will not be comfortably visible to the user.

Source: National Endowment for the Arts, Needs Assessment Survey Instrument, produced by National Access Centre, USA.
AS 1428.2, 1992 Design for Access and Mobility.
Wayfinding Principles – Height Positioning Zones

**Signage Zone Standards**
As determined by AS1428.2

- **2400 – 2900mm: Suspended Signs**
  Suspended signs should be no less than 2400mm above finished floor level to keep out of reach.

- **2000 – 2200mm**
  Where a sign can be temporarily obscured, e.g. in a crowd, it should be placed no less than 2000mm above finished floor level.

- **1200mm – 1600mm: Tactile Signage Zone**
  Signs should be no less than 1200mm and not more than 1600mm above finished floor level.

- **1000mm – 1200mm**
  Where space in the Tactile Signage Zone is already taken, the signage zone may be extended down to no less than 1000mm above finished floor level.

This diagram illustrates the total comfortable viewing zone of a user in regards to signage, as required by AS1428.2. Signs outside of this area will not be comfortably visible to the user.

Source: National Endowment for the Arts, Needs Assessment Survey Instrument, produced by National Access Centre, USA.

AS 1428.2, 1992 Design for Access and Mobility.
Wayfinding Principles – Strategy Models

1. Connectors model
This strategy uses a simple, bold pathway that connects all destinations in one single loop.

2. Districts model
This strategy divides the site into districts, creating meaningful zones that designate function.

3. Landmarks model
This strategy uses architectural or placemaking elements to direct users to major destination points.

4. Streets model
This strategy uses easily recognisable wayfinding corridors or paths to direct users.

There are four types of strategy models that organise most wayfinding systems: connectors, districts, landmarks, and streets.

For UNSW, we have chosen a strategy that incorporates elements of both the landmarks and streets models. This strategy takes advantage of existing strong visual lines and marked thoroughfares within the campus in addition to the unique architecture and landmarks already within the university.

Source: The Wayfinding Handbook, David Gibson
For sections 01 - 08, refer to chapter G.1
For sections 09 - 12, refer to chapter G.2
For sections 13 - 17, refer to chapter G.3
Thank you