

Exterior Wayfinding Signage

Specifications and Details



Sheet List	
Sheet Number	Sheet Name

01	title sheet and drawing list
02	typography, colours and pictograms
03	sign design - overview
04	sign design - graphic design details
05	sign design - graphic design details - cont
06	sign construction - sections
07	sign construction - details
08	general notes

Sign No. 1 Vehicular - Main Gateway

project: Campus Wayfinding

number:

issue date: April 1, 2019

sign: sheet name: scale: Sign No. 1 - Main Gateway title sheet and drawing list as noted

d drawing list

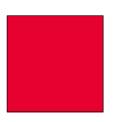
sheet



core colours



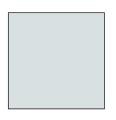
clear anodized coating application: sign structure



PANTONE 185 C application: pinstrip, arrows



PANTONE 426 C application: text, crest - monochromatic



PANTEONE 7541 C application: background



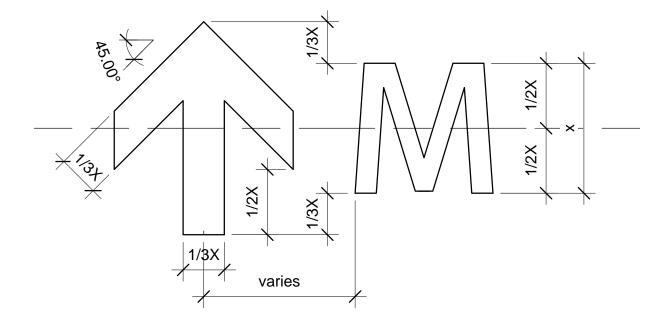
gary oak motif - digital file is to be delivered by University of Victoria

samples of typeface family

Myriad Pro Semi Bold

ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 1234567890

arrow style and arrow size in relation to text height



University of Victoria Logo, horizontal standard





full colour

<u>reverse monochromatic</u> - shown against background for clarity

project: Campus Wayfinding number: -

issue date: April 1, 2019

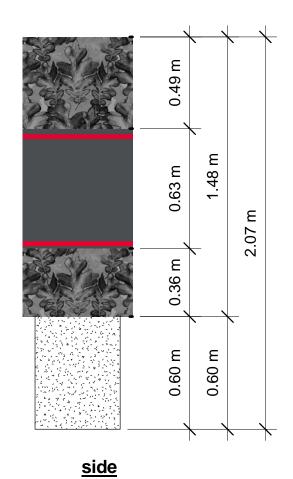
sign: sheet name: scale: Sign No. 1 - Main Gateway typography, colours and pictograms as noted

sheet number:

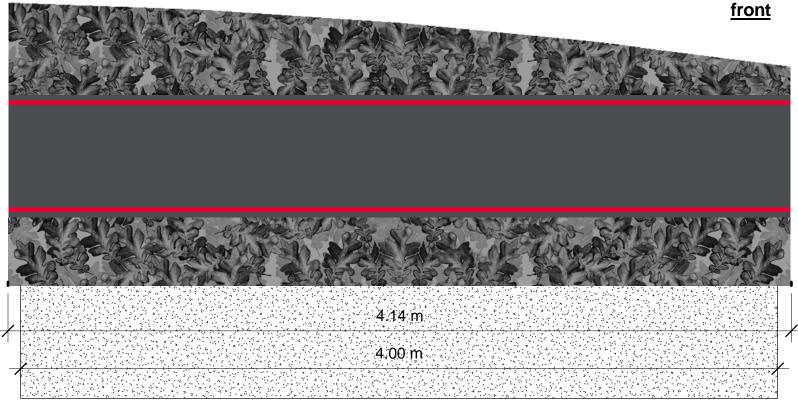








<u>side</u>



gateway sign scale 1:20

<u>back</u>

project: Campus Wayfinding number: -

issue date: April 1, 2019

sign: sheet name: scale: Sign No. 1 - Main Gateway sign design - overview as noted

sheet numbe



Back panel (not shown here) to be one piece, digitally printed vinyl protected with anti-graffiti, optically clear overlaminate. Aluminum panel thickness to be 3.2mm



(top) Digitally printed vinyl protected with anti-graffiti, optically clear overlaminate. Aluminum panel size: $4130 \text{mm} \times 485 \text{mm} \times 6.4 \text{mm}$



(front - top) Digitally printed vinyl protected with anti-graffiti, optically clear overlaminate. Aluminum panel size: 4130mm x 485mm x 6.4mm



Digitally printed vinyl protected with anti-graffiti, optically clear overlaminate.

Aluminum panel size:
580 mm x 1170 mm x 3.2 mm



(front - main) Digitally printed vinyl protected with anti-graffiti, optically clear overlaminate, with push-thru acrylic pictograms. Aluminum panel size: 4130mm x 650mm x 6.4mm



(front - bottom) Digitally printed vinyl protected with anti-graffiti, optically clear overlaminate. Aluminum panel size: 4130mm x 360mm x 6.4mm

scale 1:20

project: Campus Wayfinding

number:

issue date: April 1, 2019

sign: Sign No. 1 - Main Gateway sheet name: sign design - graphic design details

scale: as noted

sheet number 04

Clear acrylic (pictograms):

Plaskolite OPTIX, Chemcast GP or equivalent

First surface prints:

Vinyl: 3M IJ180, MPI 2005 or equivalent Overlaminate: 3M 8914, Avery DOL 6060 or equivalent.

2nd surface prints:

CAV-50 reverse print - i/w/i (2nd surface)
Overlaminate: 3M 8914, Avery DOL 6060
or equivalent (first surface)

1) Vinyl to be printed on, installed as per manufacturer's recommendations.

2) Use compatible UV inks and overlaminates

as recommended by manufacturer

3) Where applicable wrap vinyl and

overlaminate over the edges of the alu. panel.
4) All panels to be mechanically festened to

substrate.

5) Manufacturer to confirm all dimensions

prior to fabrication.

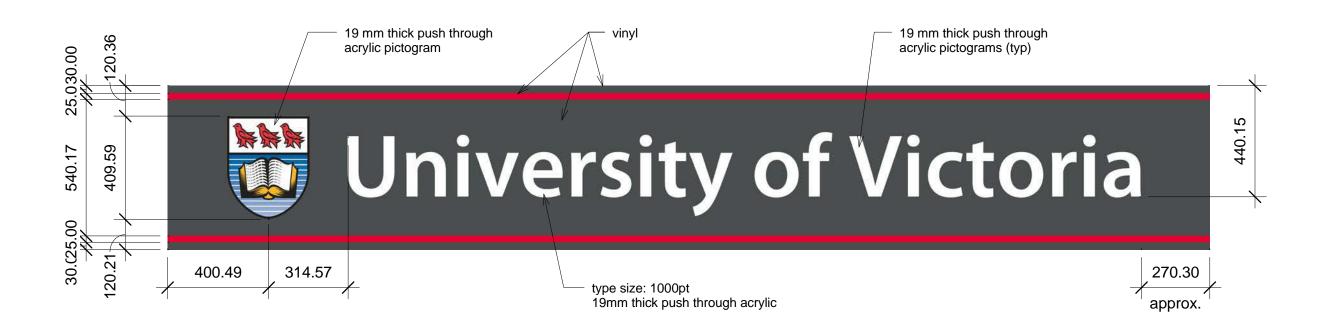
6) Manufacturer to ensure watertightness of

panel conenctions.



Digitally printed vinyl protected with anti-graffiti, optically clear overlaminate. Aluminum panel size: 580 mm x 1495 mm x 3.2 mm





front panel with push thrugh pictograms scale 1:15

project: Campus Wayfinding

number:

issue date: April 1, 2019

sign: Sign No. 1 - Main Gateway

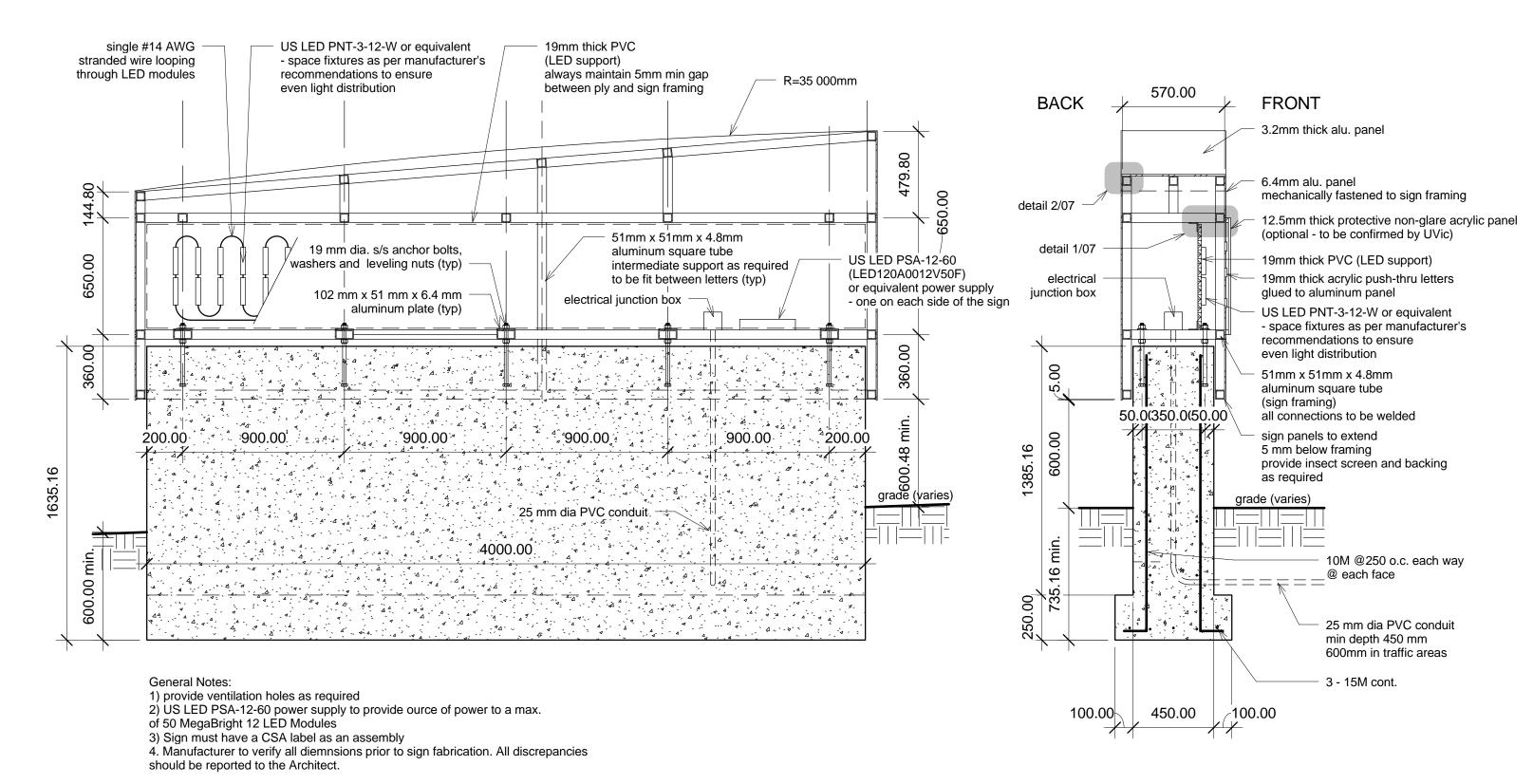
sheet name: sign design - graphic design details - cont

scale: as noted









long section scale 1:20

cross section scale 1:20

project: Campus Wayfinding number:

issue date: April 1, 2019

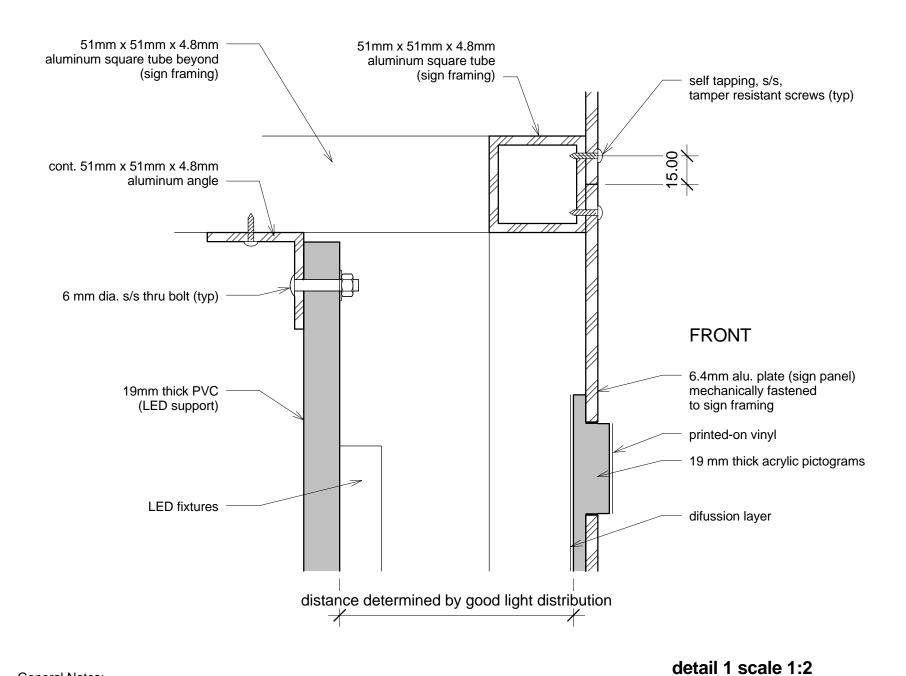
sign: sheet name:

Sign No. 1 - Main Gateway sign construction - sections

scale: as noted sheet







3.2mm thick aluminum panel ensure watertighteness of connection (typ) 19mm thick PVC backer, as required, blocking glued to the back of the aluminum panel as required self tapping, s/s, tamper resistant screws (typ) 6.4mm (3.2mm) aluminum sign panel mechanically fastened to sign framing 51mm x 51mm x 4.8mm aluminum square tube (sign framing)

detail No. 2 scale 1:2

General Notes:

provide ventilation holes as required
 US LED PSA-12-60 power supply to provide ource of power to a max.

of 50 MegaBright 12 LED Modules

3) Sign must have a CSA label as an assembly

4. Manufacturer to verify all dimensions prior to sign fabrication. All discrepancies should be reported to the Architect.

Campus Wayfinding project:

number:

issue date: April 1, 2019

Sign No. 1 - Main Gateway sign: sign construction - details sheet name:

scale: as noted





GENERAL NOTES

- Provide sign ID stickers as per proposed location plan.
 Form and placement of stickers on signs is to be coordinated with University of Victoria
- 2. Manufacturer to verify all dimensions prior to sign fabrication. All discrepancies should be reported to the Architect.

STRUCTURAL NOTES

DRAWINGS

- 1. These drawings show the completed project. The drawings do not show components that may be necessary for construction safety, which is the responsibility of the contractor.
- 2. The use of these drawings is limited to that indicated in the revisions column.
- 3. The information on these drawings shall not be used for any other project or works.

DESIGN

- 1. The structures shown have been designed in substantial accordance with the British Columbia Building Code 2006, which is based on the National Building Code of Canada 2005.
- 2. The following wind loads and factors were used: q50=0.63kPa, lw=1.0-ULS, 0.75-SLS.

FIELD REVIEW BY STRUCTURAL ENGINEER

- 1. Structural Engineer provides field review only for the work shown on these structural drawings, and it is conducted with such frequency as Structural Engineer deems appropriate to ascertain that the work is in general conformance with the documents prepared by Structural Engineer.

 Field review by Structural Engineer is not carried out for the Contractor's benefit, nor does it make Structural Engineer guarantors of the Contractor's work. It remains the Contractor's responsibility to build the work in conformance with the contract documents. Structural Engineer shall not be responsible for the acts or omissions of the Contractor, Sub-Contractor, or any other persons performing any of the work or for the failure of any of them to carry out the work in accordance with the contract documents.
- 2. Provide 24 hours advance notice of each required field review. Field reviews shall be scheduled to be carried out during normal business hours unless special arrangements are made with Structural Engineer.
- 3. The work to be reviewed shall be generally complete.

CONCRETE AND REINFORCING STEEL

- 1. Concrete work shall conform to CAN/CSA-A23.1, CAN/CSA -A23.2, CAN/CSA -A23.3 and referenced documents.
- 2. Reinforcing shall conform to CAN/CSA-G30.18R Grade 400MPa.
- 3. Cover to reinforcing steel to be 50mm uno.
- 4. Portland cement shall be type gu unless noted otherwise.
- 5. Concrete shall have a unit weight of 23±1 kn/m3/ (145±5 pcf) unless noted otherwise.
- 6. Concrete shall have a compressive strength of 35MPa at 28 days, and conform to exposure class
- C-1 with a maximum water-cement ratio of 0.40 and air content of 5-8%. Maximum aggregate size to be 19mm.
- 7. No calcium chloride is permitted, in any form, in any concrete mix. Curing and protection of concrete for hot, cold or dry weather is to be as per clauses 7.4.1.8 and 7.4.2 of CAN/CSA.

project: Campus Wayfinding

number: -

issue date: April 1, 2019

n: Sign No. 1 - Main Gateway

sheet name: general notes scale: as noted

STRUCTURAL NOTES (cont)

STRUCTURAL ALUMINUM

- 1. Aluminum sections shall be new.
- 2. Aluminum alloys shall conform to the Aluminum Association publication Aluminum Standards and Data ISO 6361-2 or ISO 6362-2.
- 3. Extruded shapes, Tubes, Bolts, and Plate to be 6061 alloy uno.
- 4. Aluminum in contact with concrete or grout shall be given a heavy coat of alkali-resistant bituminous paint or other equivalent coating before installation.
- 5. Welding operators and procedures shall be qualified according to CSA W47.2.
- 6. Submit shop drawings for review prior to start of steel fabrication.
- 7. Fabrication practices and tolerances shall be in accordance with CAN/CSA-S16, except bolt holed edge distance tolerance to be -0, +2mm.
- 8. Anchor and connection bolts to be ASTM A193 Stainless Steel. Anchors shall be embedded 300mm into concrete, complete with a nut and washer each end.
- 9. Unless noted otherwise, column base plates shall be 20 mm minimum thick. Anchor bolt holes shall be punched undersize and reamed to size.
- 10. Provide 6 mm cap plates for all tube members uno.
- 11. Aluminum shall be connected with fillet welds all-around uno. Weld size shall match the wall thickness of the thinnest part being connected uno. Welds to be ground smooth.

TAMPER RESISTANCE AND CONNECTIONS

- 1. Connection hardware to be stainless steel uno.
- 2. Aluminum panels to be connected to structure with 6.4mm diameter stainless steel self-tapping screws at 450mm maximum centre to centre spacing.
- 3. Non-removable panels may be welded or glued by the manufacturer, as approved by Structural Engineer.
- 4. Panel connection screws to be tamper resistant "Torx-Pin" screws as supplied by O.E.M. Hardware of Surrey BC, or equivalent as approved by Structural Engineer.
- 5. Visible connection bolts shall be "Pentagon" tamper resistant bolts, with "Pentagon" nuts as supplied by O.E.M. Hardware of Surrey BC, or equivalent as approved by Structural Engineer. Anchor bolts to be secured with "Pentagon" security nuts.

ELECTRICAL NOTES

- 1. Signs must be provided with CSA label
- 2. LED modules, power supplies, cable, wire and junction box must be integral with signs
- 3. All electrical installations to be done in accordance with the Canadian Electrical Code and as reccomended by the LED lighting manufacturer.
- 4. Run 2#8 +GND conductors in 27mm PVC conduit from sign to existing campus exterior lighting pole standard. Intercept existing underground conduit, install an H20 rated flush junction box with bolt-on cover and splice into exterior lighting circuit.
- 4. The sign manufacturer shall provide an electrical shop drawings indicating input power requirements and a schematic wiring diagram for the sign.



sheet number:

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Campus Wayfinding project:

number:

issue date: April 1, 2019

Sign No. 2A - Parking Lot

sheet name: title sheet and drawing list scale: as noted



Sign No. 2A Vehicular - Parking Lot

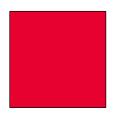
sheet



core colours



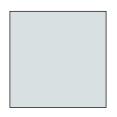
clear anodized coating application: sign structure



PANTONE 185 C application: pinstrip, arrows



PANTONE 426 C application: text, crest - monochromatic



PANTEONE 7541 C application: background, back panel (single sided sign)



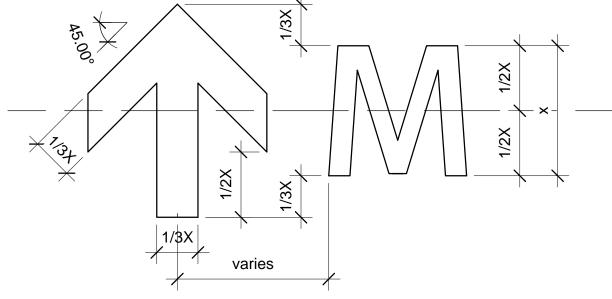
gary oak motif - digital file is to be delivered by University of Victoria

samples of typeface family

Myriad Pro Semi Bold

ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 1234567890

arrow style and arrow size in relation to text height



University of Victoria Logo, horizontal standard





full colour

reverse monochromatic - shown against bacgroud for clarity

project: Campus Wayfinding number: -

issue date: April 1, 2019

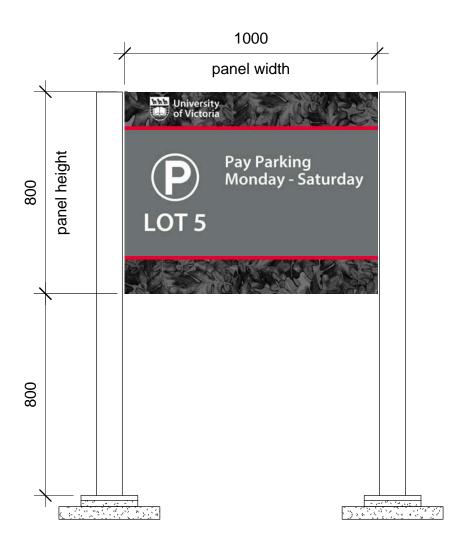
sign: sheet name: scale: Sign No. 2A - Parking Lot typography, colours and pictograms as noted

sheet number





Parking Lot A scale 1:15



Parking Lot A scale 1:15

project: number: **Campus Wayfinding**

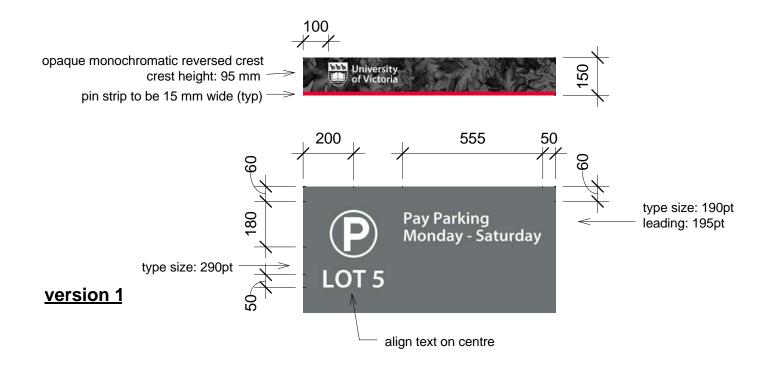
issue date: April 1, 2019

Sign No. 2A - Parking Lot sign: sheet name: sign design - overview

scale: as noted









Description
Digitally printed vinyl protected with
anti-graffiti, optically clear overlaminate
Aluminum panel size (one piece): 1000 mm x 800 mm x 6.4 mm
See sheet 05 for details.

Vinyl: 3M IJ180, MPI 2005 or equivalent Overlaminate: 3M 8914, Avery DOL 6060 or equivalent.

1) One piece vinyl to be printed on, installed as per

manufacturer's recommendations.

2) Use compatible UV inks and overlaminates

as recommended by manufacturer
3) Wrap vinyl and overlaminate over the edges

of the aluminum panel.

4) If single sided sign then back panel to receive

vinyl printed with PANTEONE 7541 C

Refer to Adobe Photoshop files for detailed sample layout



<u>scale 1:15</u>

<u>scale 1:15</u>

project: Campus Wayfinding

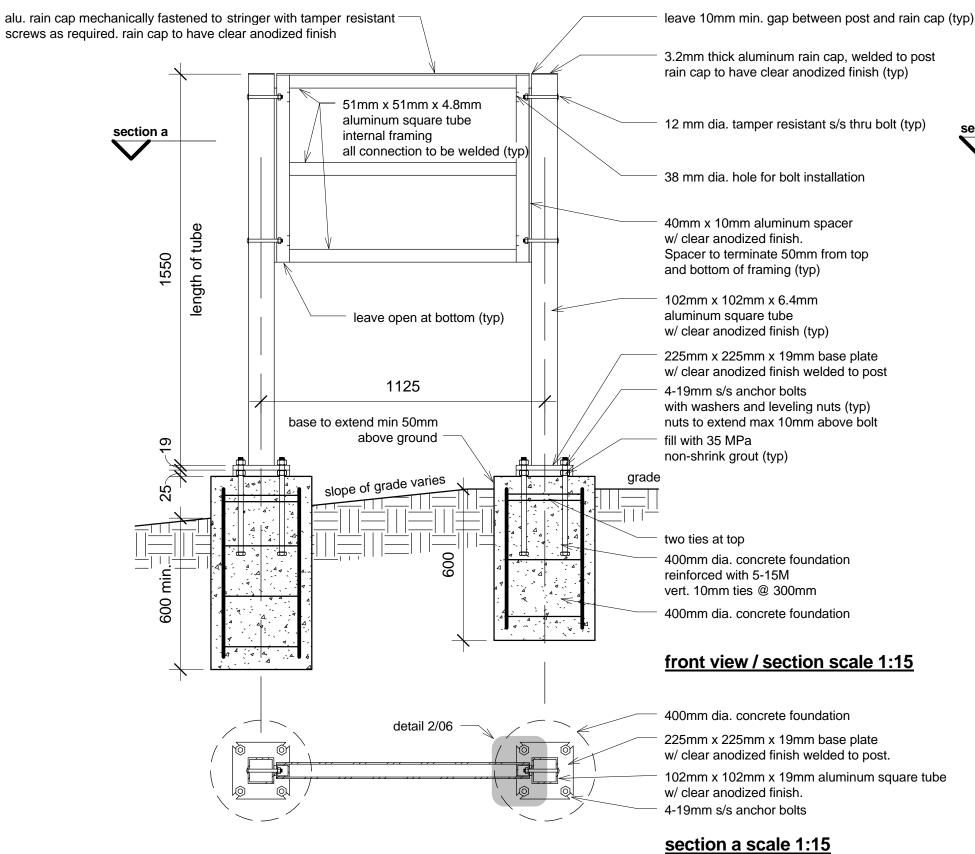
number: - issue date: April 1, 2019

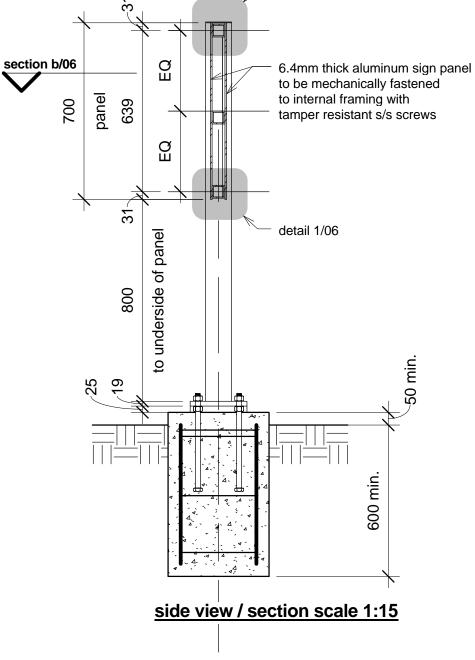
sign: sheet name: Sign No. 2A - Parking Lot sign design - graphic design details

scale: as noted

sheet number:







General Note: Manufacturer to verify all diemnsions prior to sign fabrication. All discrepancies should be reported to the Architect.

detail 1/06

project: **Campus Wayfinding**

number:

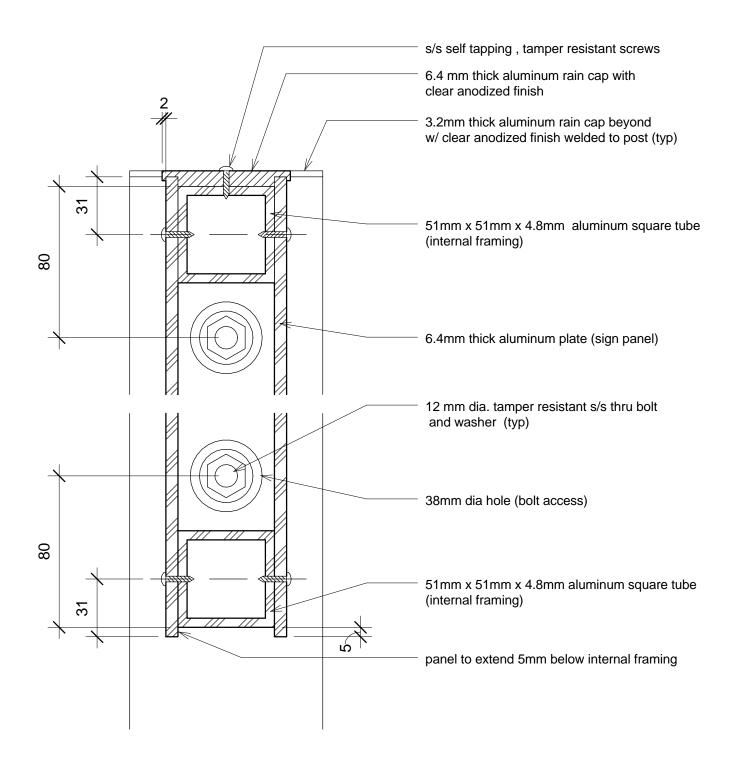
issue date: April 1, 2019

Sign No. 2A - Parking Lot sign: sheet name: sign construction - sections scale: as noted

sheet







General Note: Manufacturer to verify all diemnsions prior to sign fabrication. All discrepancies should be reported to the Architect.

section detail 1 scale 1:2

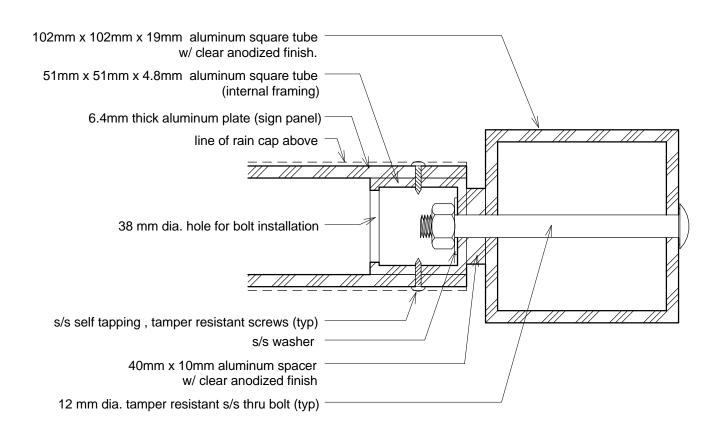
project: Campus Wayfinding

number:

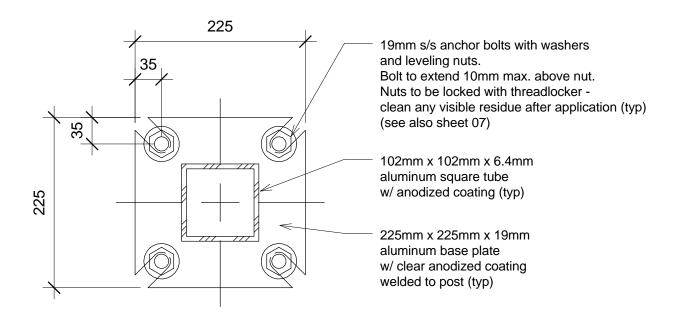
issue date: April 1, 2019

sign: Sign No. 2A - Parking Lot sign construction - details

scale: as noted



section detail 2 scale 1:2



section b (slip base) scale 1:5





GENERAL NOTES

1. Provide self adhesive sign ID stickers. ID's should correspond with ID's shown on location plan Form and placement of stickers on signs is to be coordinated with University of Victoria

2. Fasteners:

foundation (anchor bolts):

bolts: Fastenal part #47406 (1/2" s/s threaded rod) washers: Fastenal part #71021 (1/2" s/s washers)

nuts: Fastenal part #70714 (1/2" s/s nuts)

posts:

thru bolts: Fastenal part #174786 (1/2" s/s x 5" button Socket Cap Screw)

thru bolt washers: Fastenal part #71021 (1/2" s/s washers)

thru bolt nuts: 70714 (1/2" s/s nuts)

panels:

security screws panel attachment: Fastenal part #BS0160024SSH200 (10-24 x 3/4" button head security screw) rain cap attachment: Fastenal part #BS0160024SSH200 (10-24 x 3/4" button head security screw)

- 3. Threadlocker: Locktite 271 Red
- 4. Whenever anchor bolts are cut, contractor to ensure cut surfaces (terminated coating) are protected against rusting.
- 5. Manufacturer to verify all diemnsions prior to sign fabrication. All discrepancies should be reported to the Architect.

STRUCTURAL NOTES

DRAWINGS

- 1. These drawings show the completed project. The drawings do not show components that may be necessary for construction safety, which is the responsibility of the contractor.
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- 3. The information on these drawings shall not be used for any other project or works.

DESIGN

- 1. The structures shown have been designed in substantial accordance with the British Columbia Building Code 2006, which is based on the National Building Code of Canada 2005.
- 2. The following wind loads and factors were used: q50=0.63kPa, lw=1.0-ULS, 0.75-SLS.

FIELD REVIEW BY STRUCTURAL ENGINEER

1. Structural Engineer provides field review only for the work shown on these structural drawings, and it is conducted with such frequency as Structural Engineer deems appropriate to ascertain that the work is in general conformance with the documents prepared by Structural Engineer.

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- 2. Provide 24 hours advance notice of each required field review. Field reviews shall be scheduled to be carried out during normal business hours unless special arrangements are made with Structural Engineer.
- 3. The work to be reviewed shall be generally complete.

STRUCTURAL NOTES (cont)

CONCRETE AND REINFORCING STEEL

- 1. Concrete work shall conform to CAN/CSA-A23.1, CAN/CSA -A23.2, CAN/CSA -A23.3 and referenced documents.
- 2. Reinforcing shall conform to CAN/CSA-G30.18R Grade 400MPa.
- 3. Cover to reinforcing steel to be 50mm uno.
- 4. Portland cement shall be type gu unless noted otherwise.
- 5. Concrete shall have a unit weight of 23±1 kn/m3/ (145±5 pcf) unless noted otherwise.
- 6. Concrete shall have a compressive strength of 35MPa at 28 days, and conform to exposure class
- C-1 with a maximum water-cement ratio of 0.40and air content of 5-8%. Maximum aggregate size to be 19mm.
- 7. No calcium chloride is permitted, in any form, in any concrete mix. Curing and protection of concrete for hot, cold or dry weather is tobe as per clauses 7.4.1.8 and 7.4.2 of CAN/CSA.

STRUCTURAL ALUMINUM

- 1. Aluminum sections shall be new.
- 2. Aluminum alloys shall conform to the Aluminum Association publication Aluminum Standards and Data ISO 6361-2 or ISO 6362-2.
- 3. Extruded shapes, Tubes, Bolts, and Plate to be 6061 alloy uno.
- 4. Aluminum in contact with concrete or grout shall be given a heavy coat of alkali-resistant bituminous paint or other equivalent coating before installation.
- 5. Welding operators and procedures shall be qualified according to CSA W47.2.
- 6. Submit shop drawings for review prior to start of steel fabrication.
- 7. Fabrication practices and tolerances shall be in accordance with CAN/CSA-S16, except bolt holed edge distance tolerance to be -0, +2mm.
- 8. Anchor and connection bolts to be ASTM A193 Stainless Steel. Anchors shall be embedded 300mm into concrete, complete with a nut and washer each end.
- 9. Unless noted otherwise, column base plates shall be 20 mm minimum thick. Anchor bolt holes shall be punched undersize and reamed to size.
- 10. Provide 6 mm cap plates for all tube members uno.
- 11. Aluminum shall be connected with fillet welds all-around uno. Weld size shall match the wall thickness of the thinnest part being connected uno. Welds to be ground smooth.

TAMPER RESISTANCE AND CONNECTIONS

- 1. Connection hardware to be stainless steel uno.
- 2. Aluminum panels to be connected to structure with 6.4mm diameter stainless steel self-tapping screws at 450mm maximum centre to centre spacing.
- 3. Non-removable panels may be welded or glued by the manufacturer, as approved by Structural Engineer.
- 4. Panel connection screws to be tamper resistant "Torx-Pin" screws as supplied by O.E.M. Hardware of Surrey BC, or equivalent as approved by Structural Engineer.
- 5. Visible connection bolts shall be "Pentagon" tamper resistant bolts, with "Pentagon" nuts as supplied by O.E.M. Hardware of Surrey BC, or equivalent as approved by Structural Engineer. Anchor bolts to be secured with "Pentagon" security nuts.



sheet number:



project: Campus Wayfinding number: -

issue date: April 1, 2019

sign: Sign No. 2A - Parking Lot sheet name: general notes

as noted

scale:

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project: Campus Wayfinding

number:

issue date: April 1, 2019

sign: Sign No. 2C - Parking Lot sheet name: title sheet and drawing list

scale: as noted

sheet number:



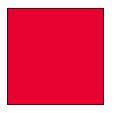
Sign No. 2C Vehicular - Parking Lot



core colours



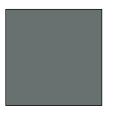
clear anodized coating application: sign structure



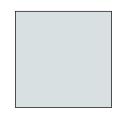
PANTONE 185 C application: pinstrip, arrows



PANTONE 426 C application: text, crest - monochromatic



PANTONE 424 C application: background



PANTEONE 7541 C application: background, back panel (single sided sign)



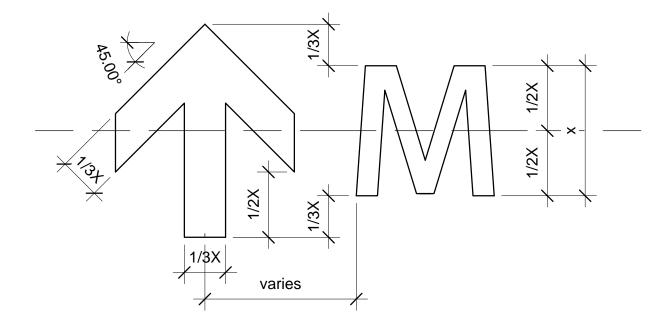
gary oak motif - digital file is to be delivered by University of Victoria

samples of typeface family

Myriad Pro Semi Bold

ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 1234567890

arrow style and arrow size in relation to text height



University of Victoria Logo, horizontal standard





full colur

reverse monochromatic - shown against bacgroud for clarity

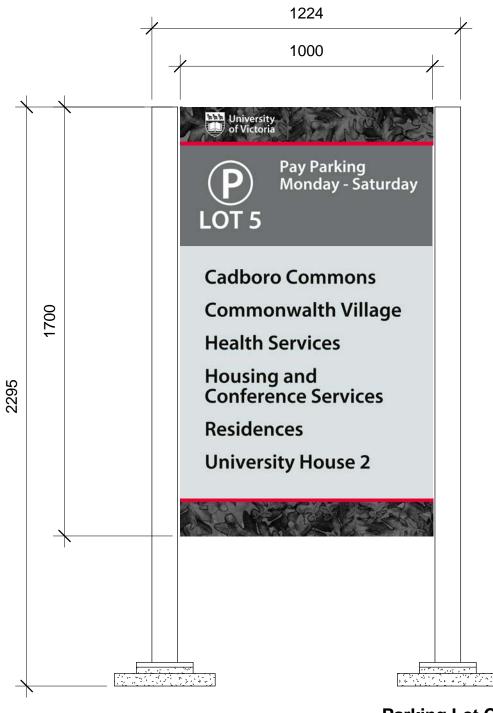
project: Campus Wayfinding number: -

issue date: April 1, 2019

sign: sheet name: scale: Sign No. 2C - Parking Lot typography, colours and pictograms as noted

sheet numbe





Parking Lot C scale 1:15

project: Campus Wayfinding

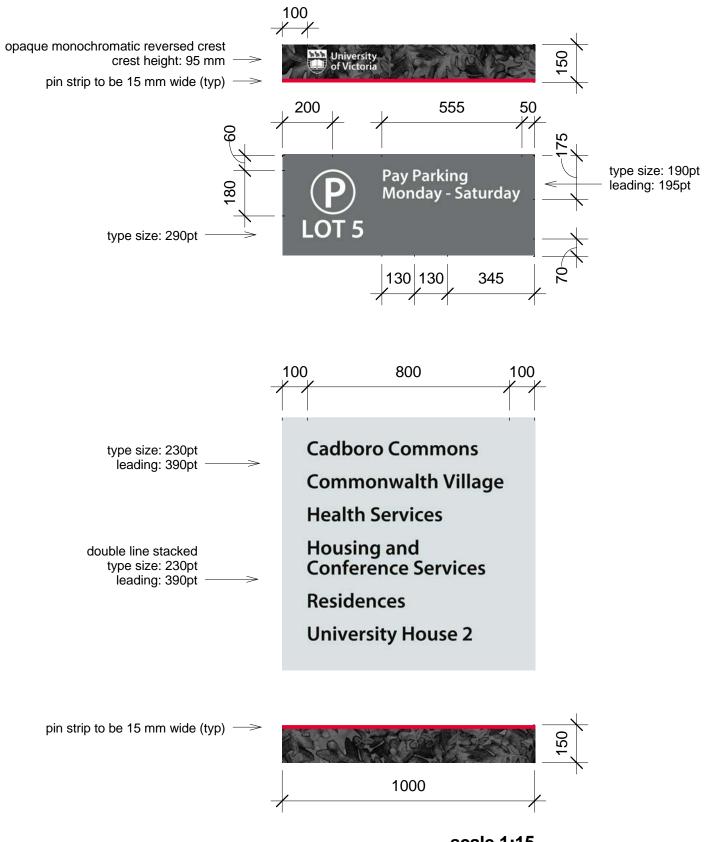
number:

issue date: April 1, 2019

sign: Sign No. 2C - Parking Lot sheet name: sign design - overview as noted







scale 1:15

Sign No. 2C - Parking Lot sign: sheet name:

scale:

Description

Digitally printed vinyl protected with anti-graffiti, optically clear overlaminate Aluminum panel size (one piece): 1050 mm x 750 mm x 6.4 mm See sheet 05 for details.

3M IJ180, MPI 2005 or equivalent Vinyl: Overlaminate: 3M 8914, Avery DOL 6060 or equivalent.

1) One piece vinyl to be printed on, installed as per

manufacturer's recommendations.

2) Use compatible UV inks and overlaminates as recommended by manufacturer

3) Wrap vinyl and overlaminate over the edges

of the aluminum panel.

4) If single sided sign then back panel to receive

vinyl printed with PANTEONE 7541 C

Refer to Adobe Photoshop files for detailed sample layout



scale 1:15



Campus Wayfinding

project:

number:

issue date: April 1, 2019

sign design - graphic design details

as noted

sheet

12 mm dia. tamper resistant s/s thru bolt (typ) 1000 x 1700 x 6.4mm thick alu. sign panel to be mechanically fastened to internal framing with tamper resistant s/s screws front view/section scale 1:15 225mm x 225mm x 19mm base plate w/ clear anodized finish welded to post 4-19mm s/s anchor bolts with washers and leveling nuts (typ) nuts to extend max 10mm above bolt 40mm x 10mm aluminum spacer w/ clear anodized finish. Spacer to terminate 50mm from top and bottom of framing (typ) 38 mm dia. hole for bolt installation 400mm dia. concrete foundation reinforced with 5-15M vert. 10mm ties @ 300mm 400mm dia. concrete foundation 3.2mm thick aluminum rain cap, welded to post rain cap to have clear anodized finish (typ) leave 10mm min. gap between post and rain cap (typ) 102mm x 102mm x 6.4mm aluminum square tube w/ clear anodized finish (typ) fill with 35 MPa non-shrink grout (typ) two ties at top grade alu. rain cap mechanically fastened to stringer with tamper resistant screws, as required. rain cap to have clear anodized finish 09 - 51mm x 51mm x 4.8mm aluminum square tube internal framing all connection to be welded (typ) leave open at bottom (typ) detail 1/06 detail 1/06 009 slope of grade varies base to extend min 50mm above ground 979 153 979 979 .nim 008 section a 2199 length of tube 6L--52

Sign No. 2C - Parking Lot

as noted

sign construction - sections

sheet

sign:

scale:

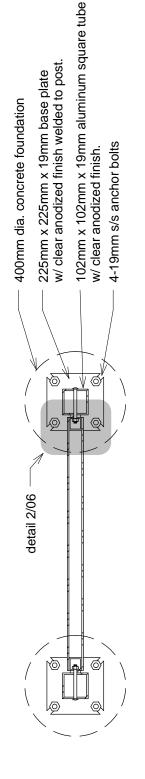
sheet name:

Campus Wayfinding

project:

number:

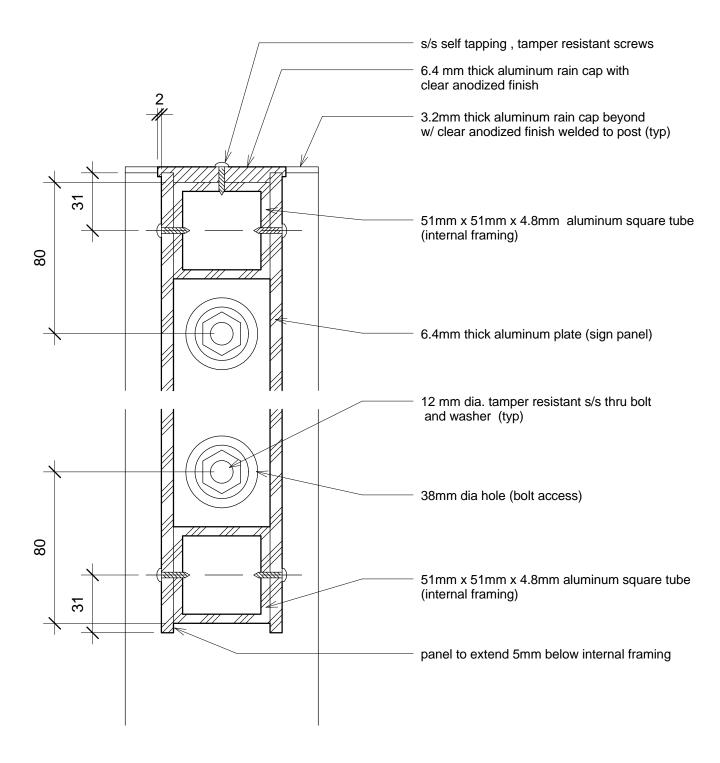
issue date: April 1, 2019



section a scale 1:15

University
of Victoria

General Note: Manufacturer to verify all diemnsions prior to sign fabrication. All discrepancies should be reported to the Architect.



General Note: Manufacturer to verify all diemnsions prior to sign fabrication. All discrepancies should be reported to the Architect.

section detail 1 scale 1:2

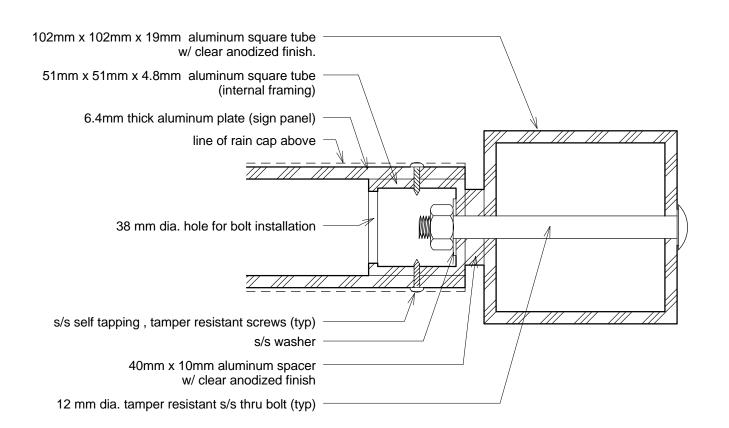
project: Campus Wayfinding

number:

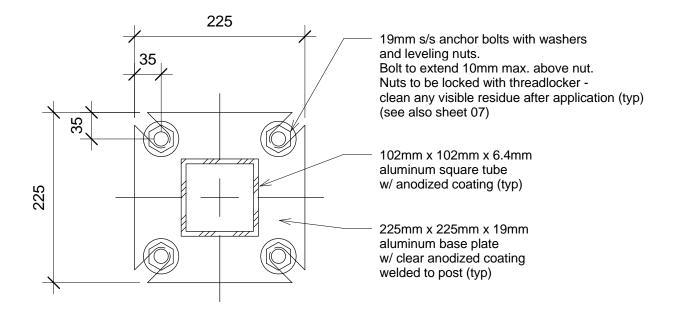
issue date: April 1, 2019

sign: Sign No. 2C - Parking Lot sheet name: sign construction - details

scale: as noted



section detail 2 scale 1:2



section b (slip base) scale 1:5





GENERAL NOTES

1. Provide self adhesive sign ID stickers. ID's should correspond with ID's shown on location plan Form and placement of stickers on signs is to be coordinated with University of Victoria

2. Fasteners:

foundation (anchor bolts):

bolts: Fastenal part #47406 (1/2" s/s threaded rod)

washers: Fastenal part #71021 (1/2" s/s washers)

nuts: Fastenal part #70714 (1/2" s/s nuts)

thru bolts: Fastenal part #174786 (1/2" s/s x 5" button Socket Cap Screw)

thru bolt washers: Fastenal part #71021 (1/2" s/s washers)

thru bolt nuts: 70714 (1/2" s/s nuts)

security screws panel attachment: Fastenal part #BS0160024SSH200 (10-24 x 3/4" button head security screw) rain cap attachment: Fastenal part #BS0160024SSH200 (10-24 x 3/4" button head security screw)

- 3. Threadlocker: Locktite 271 Red
- 4. Whenever anchor bolts are cut, contractor to ensure cut surfaces (terminated coating) are protected against rusting.
- 5. Manufacturer to verify all diemnsions prior to sign fabrication. All discrepancies should be reported to the Architect.

STRUCTURAL NOTES

DRAWINGS

- 1. These drawings show the completed project. The drawings do not show components that may be necessary for construction safety, which is the responsibility of the contractor.
- 2. The use of these drawings is limited to that indicated in the revisions column.
- 3. The information on these drawings shall not be used for any other project or works.

DESIGN

- 1. The structures shown have been designed in substantial accordance with the British Columbia Building Code 2006, which is based on the National Building Code of Canada 2005.
- 2. The following wind loads and factors were used: q50=0.63kPa, lw=1.0-ULS, 0.75-SLS.

FIELD REVIEW BY STRUCTURAL ENGINEER

- 1. Structural Engineer provides field review only for the work shown on these structural drawings, and it is conducted with such frequency as Structural Engineer deems appropriate to ascertain that the work is in general conformance with the documents prepared by Structural Engineer. Field review by Structural Engineer is not carried out for the Contractor's benefit, nor does it make Structural Engineer guarantors of the Contractor's work. It remains the Contractor's responsibility to build the work in conformance with the contract documents. Structural Engineer shall not be responsible for the acts or omissions of the Contractor, Sub-Contractor, or any other persons performing any of the work or for the failure of any of them to carry out the work in accordance with the contract documents.
- 2. Provide 24 hours advance notice of each required field review. Field reviews shall be scheduled to be carried out during normal business hours unless special arrangements are made with Structural Engineer.
- 3. The work to be reviewed shall be generally complete.

STRUCTURAL NOTES (cont)

CONCRETE AND REINFORCING STEEL

- 1. Concrete work shall conform to CAN/CSA-A23.1, CAN/CSA -A23.2, CAN/CSA -A23.3 and referenced documents.
- 2. Reinforcing shall conform to CAN/CSA-G30.18R Grade 400MPa.
- 3. Cover to reinforcing steel to be 50mm uno.
- 4. Portland cement shall be type gu unless noted otherwise.
- 5. Concrete shall have a unit weight of 23±1 kn/m3/ (145±5 pcf) unless noted otherwise.
- 6. Concrete shall have a compressive strength of 35MPa at 28 days, and conform to exposure class
- C-1 with a maximum water-cement ratio of 0.40 and air content of 5-8%. Maximum aggregate size to be 19mm.
- 7. No calcium chloride is permitted, in any form, in any concrete mix. Curing and protection of concrete for hot, cold or dry weather is to be as per clauses 7.4.1.8 and 7.4.2 of CAN/CSA.

STRUCTURAL ALUMINUM

- 1. Aluminum sections shall be new.
- 2. Aluminum alloys shall conform to the Aluminum Association publication Aluminum Standards and Data ISO 6361-2 or ISO 6362-2.
- 3. Extruded shapes, Tubes, Bolts, and Plate to be 6061 alloy uno.
- 4. Aluminum in contact with concrete or grout shall be given a heavy coat of alkali-resistant bituminous paint or other equivalent coating before installation.
- 5. Welding operators and procedures shall be qualified according to CSA W47.2.
- 6. Submit shop drawings for review prior to start of steel fabrication.
- 7. Fabrication practices and tolerances shall be in accordance with CAN/CSA-S16, except bolt holed edge distance tolerance to be -0, +2mm.
- 8. Anchor and connection bolts to be ASTM A193 Stainless Steel. Anchors shall be embedded 300mm into concrete, complete with a nut and washer each end.
- 9. Unless noted otherwise, column base plates shall be 20 mm minimum thick. Anchor bolt holes shall be punched undersize and reamed to size.
- 10. Provide 6 mm cap plates for all tube members uno.
- 11. Aluminum shall be connected with fillet welds all-around uno. Weld size shall match the wall thickness of the thinnest part being connected uno. Welds to be ground smooth.

TAMPER RESISTANCE AND CONNECTIONS

1. Connection hardware to be stainless steel uno.

sheet

- 2. Aluminum panels to be connected to structure with 6.4mm diameter stainless steel self-tapping screws at 450mm maximum centre to centre spacing.
- 3. Non-removable panels may be welded or glued by the manufacturer, as approved by Structural Engineer.
- 4. Panel connection screws to be tamper resistant "Torx-Pin" screws as supplied by O.E.M. Hardware of Surrey BC, or equivalent as approved by Structural Engineer.
- 5. Visible connection bolts shall be "Pentagon" tamper resistant bolts, with "Pentagon" nuts as supplied by O.E.M. Hardware of Surrey BC, or equivalent as approved by Structural Engineer. Anchor bolts to be secured with "Pentagon" security nuts.







Sheet List	
Sheet Number	Sheet Name

01	title sheet and drawing list
02	typography, colours and pictograms
03	sign design - overview
04	sign design - graphic design details
05	sign construction - sections
06	sign construction - details
07	general notes

Sign No. 3A Vehicular - Building Identification

project: Campus Wayfinding

number:

issue date: April 1, 2019

sign: Sign No. 3A - Building Identification sheet name: title sheet and drawing list

scale: as noted

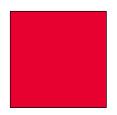




core colours



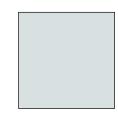
clear anodized coating application: sign structure



PANTONE 185 C application: pinstrip, arrows



PANTONE 426 C application: text, crest - monochromatic



PANTEONE 7541 C application: background, back panel (single sided sign)



gary oak motif - digital file is to be delivered by University of Victoria

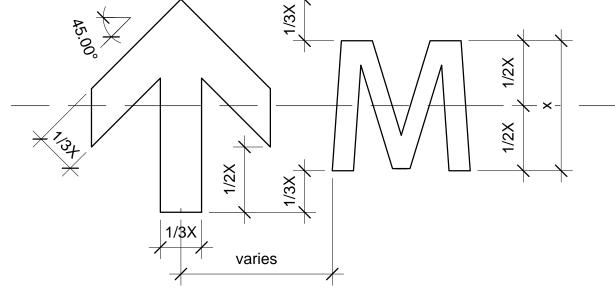
samples of typeface family

Myriad Pro Semi Bold

ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 1234567890

1/3X

arrow style and arrow size in relation to text height



University of Victoria Logo, horizontal standard





full colur

reverse monochromatic - shown against background for clarity

project: number:

Campus Wayfinding

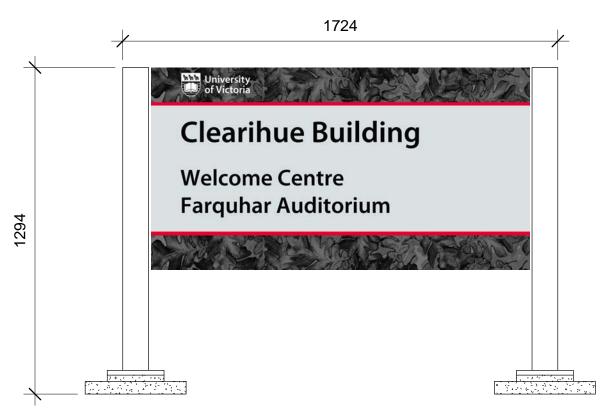
issue date: April 1, 2019

sign: sheet name: scale:

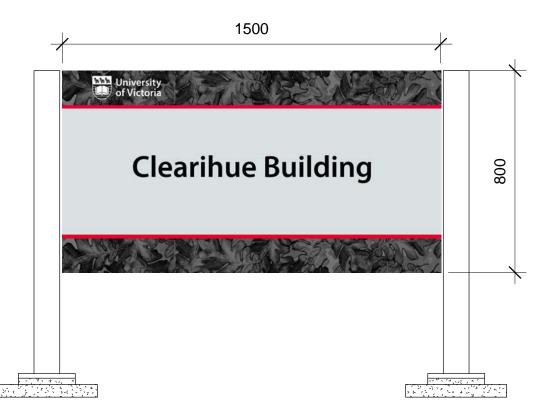
Sign No. 3A - Building Identification typography, colours and pictograms as noted

sheet





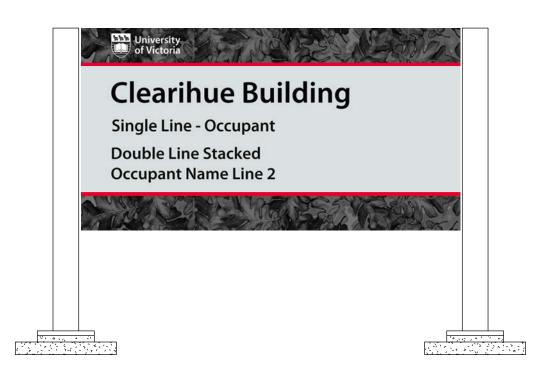
building name with occupant names scale 1:15



building name, text in one line scale 1:15



building name, text in two lines **scale 1:15**



building name, text in two lines (double line stacked) scale 1:15

Campus Wayfinding project:

number:

issue date: April 1, 2019

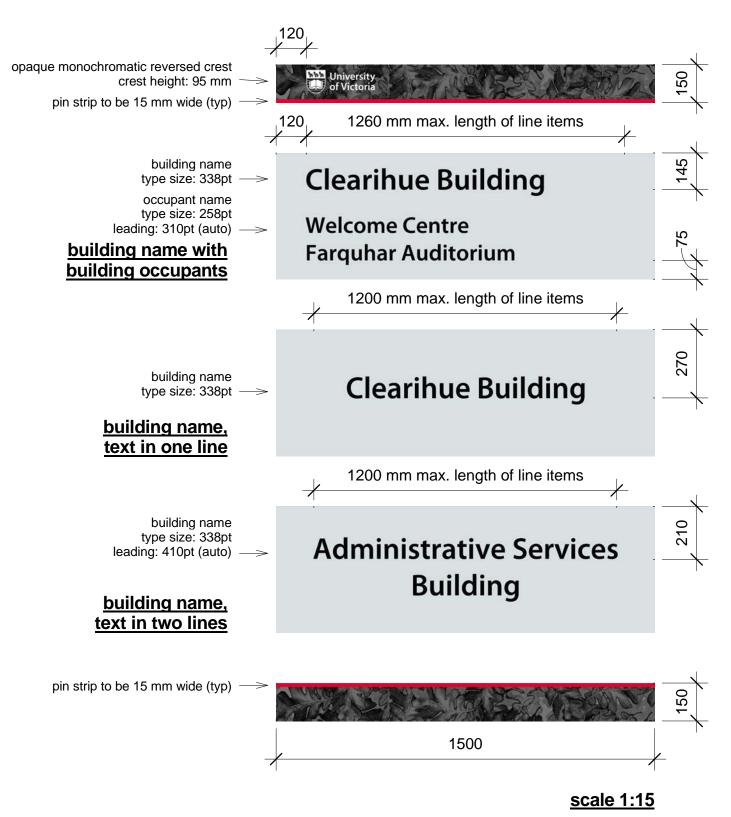
Sign No. 3A - Building Identification sign:

sheet name: sign design - overview

scale: as noted







project: Campus Wayfinding

number:

issue date: April 1, 2019

sign: Sign No. 3A - Building Identification sheet name: sign design - graphic design details as noted

Description
Digitally printed vinyl protected with
anti-graffiti, optically clear overlaminate
Aluminum panel size (one piece): 1500 mm x 800 mm x 6.4 mm
See sheet 05 for details.

Vinyl: 3M IJ180, MPI 2005 or equivalent Overlaminate: 3M 8914, Avery DOL 6060 or equivalent.

1) One piece vinyl to be printed on, installed as per

manufacturer's recommendations.

2) Use compatible UV inks and overlaminates

as recommended by manufacturer

3) Wrap vinyl and overlaminate over the edges

of the aluminum panel.

4) If single sided sign then back panel to receive

vinyl printed with PANTEONE 7541 C

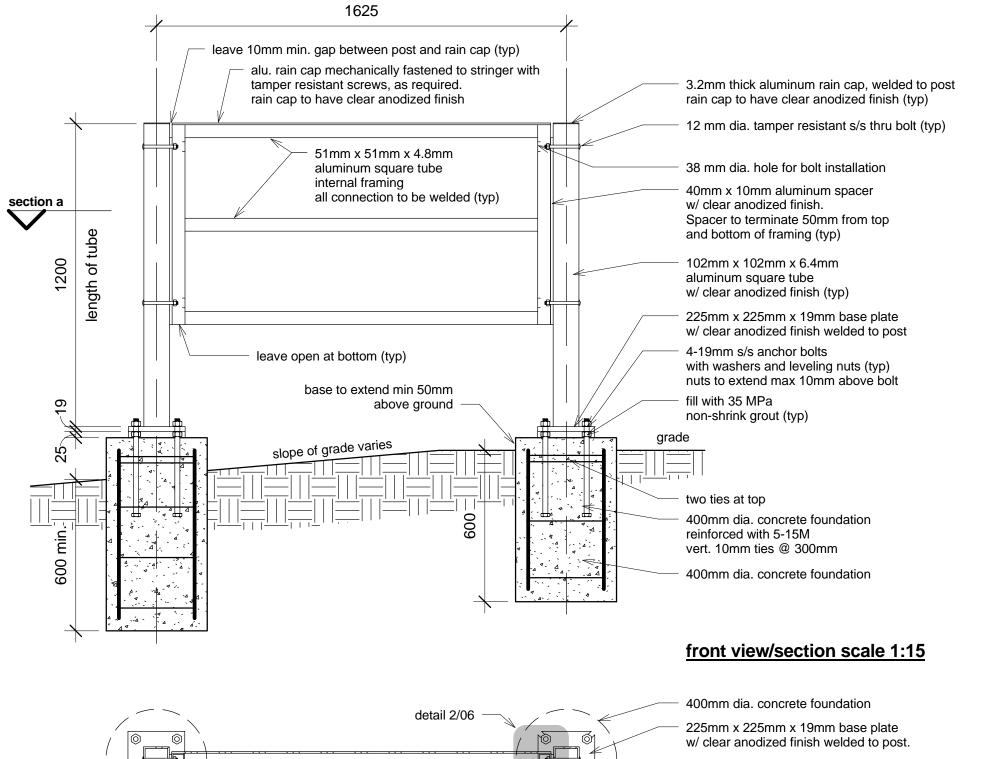
Refer to Adobe Photoshop files for detailed sample layout



scale 1:15







102mm x 102mm x 19mm aluminum square tube w/ clear anodized finish.

4-19mm s/s anchor bolts

section a scale 1:15

project: Campus Wayfinding

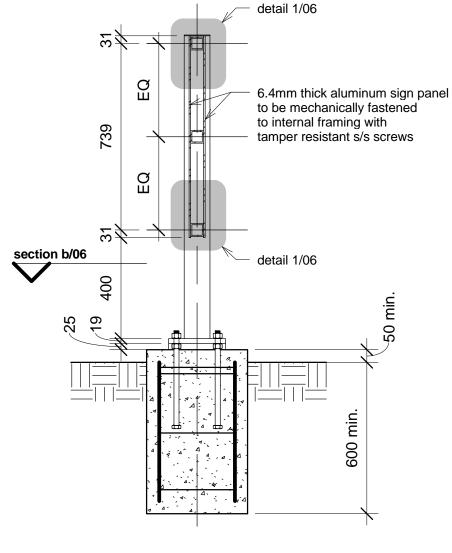
number: -

issue date: April 1, 2019

sign: Sign No. 3A - Building Identification sheet name: sign construction - sections

scale: as noted

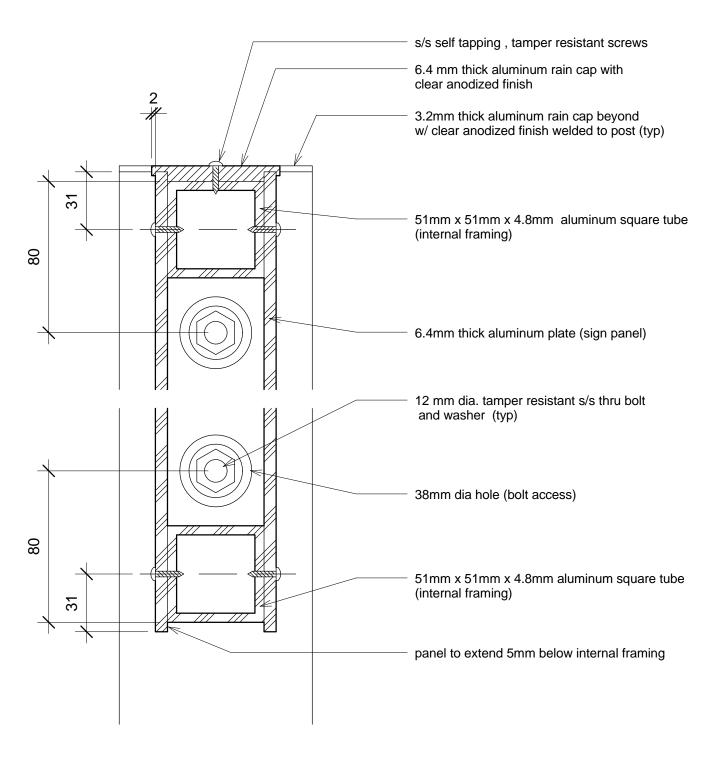




side view/section scale 1:15

General Note: Manufacturer to verify all diemnsions prior to sign fabrication. All discrepancies should be reported to the Architect.





General Note: Manufacturer to verify all diemnsions prior to sign fabrication. All discrepancies should be reported to the Architect.

project:

number:

issue date: April 1, 2019

Campus Wayfinding

section detail 1 scale 1:2

Sign No. 3A - Building Identification

sheet name: sign construction - details

scale: as noted

sign:

102mm x 102mm x 19mm aluminum square tube
w/ clear anodized finish.

51mm x 51mm x 4.8mm aluminum square tube
(internal framing)

6.4mm thick aluminum plate (sign panel)
line of rain cap above

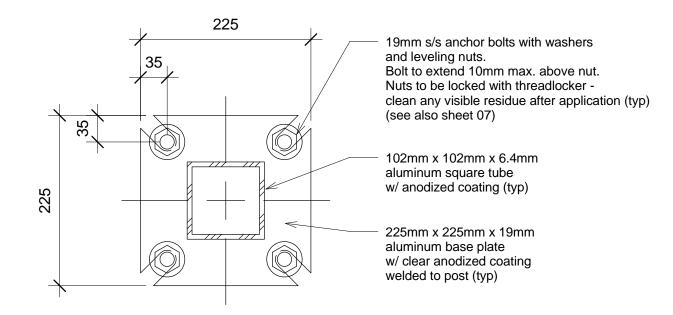
38 mm dia. hole for bolt installation

s/s self tapping , tamper resistant screws (typ)
s/s washer

40mm x 10mm aluminum spacer
w/ clear anodized finish

12 mm dia. tamper resistant s/s thru bolt (typ)

section detail 2 scale 1:2



section b (slip base) scale 1:5



sheet number: 06

GENERAL NOTES

- 1. Provide self adhesive sign ID stickers. ID's should correspond with ID's shown on location plan Form and placement of stickers on signs is to be coordinated with University of Victoria
- 2. Fasteners:

foundation (anchor bolts):

bolts: Fastenal part #47406 (1/2" s/s threaded rod)

washers: Fastenal part #71021 (1/2" s/s washers)

nuts: Fastenal part #70714 (1/2" s/s nuts)

thru bolts: Fastenal part #174786 (1/2" s/s x 5" button Socket Cap Screw)

thru bolt washers: Fastenal part #71021 (1/2" s/s washers)

thru bolt nuts: 70714 (1/2" s/s nuts)

security screws panel attachment: Fastenal part #BS0160024SSH200 (10-24 x 3/4" button head security screw) rain cap attachment: Fastenal part #BS0160024SSH200 (10-24 x 3/4" button head security screw)

- 3. Threadlocker: Locktite 271 Red
- 4. Whenever anchor bolts are cut, contractor to ensure cut surfaces (terminated coating) are protected against rusting.
- 5. Manufacturer to verify all diemnsions prior to sign fabrication. All discrepancies should be reported to the Architect.

STRUCTURAL NOTES

DRAWINGS

- 1. These drawings show the completed project. The drawings do not show components that may be necessary for construction safety, which is the responsibility of the contractor.
- 2. The use of these drawings is limited to that indicated in the revisions column.
- 3. The information on these drawings shall not be used for any other project or works.

DESIGN

- 1. The structures shown have been designed in substantial accordance with the British Columbia Building Code 2006, which is based on the National Building Code of Canada 2005.
- 2. The following wind loads and factors were used: q50=0.63kPa, lw=1.0-ULS, 0.75-SLS.

FIELD REVIEW BY STRUCTURAL ENGINEER

- 1. Structural Engineer provides field review only for the work shown on these structural drawings, and it is conducted with such frequency as Structural Engineer deems appropriate to ascertain that the work is in general conformance with the documents prepared by Structural Engineer. Field review by Structural Engineer is not carried out for the Contractor's benefit, nor does it make Structural Engineer guarantors of the Contractor's work. It remains the Contractor's responsibility to build the work in conformance with the contract documents. Structural Engineer shall not be responsible for the acts or omissions of the Contractor, Sub-Contractor, or any other persons performing any of the work or for the failure of any of them to carry out the work in accordance with the contract documents.
- 2. Provide 24 hours advance notice of each required field review. Field reviews shall be scheduled to be carried out during normal business hours unless special arrangements are made with Structural Engineer.
- 3. The work to be reviewed shall be generally complete.

STRUCTURAL NOTES (cont)

CONCRETE AND REINFORCING STEEL

- 1. Concrete work shall conform to CAN/CSA-A23.1, CAN/CSA -A23.2, CAN/CSA -A23.3 and referenced documents.
- 2. Reinforcing shall conform to CAN/CSA-G30.18R Grade 400MPa.
- 3. Cover to reinforcing steel to be 50mm uno.
- 4. Portland cement shall be type gu unless noted otherwise.
- 5. Concrete shall have a unit weight of 23±1 kn/m3/ (145±5 pcf) unless noted otherwise.
- 6. Concrete shall have a compressive strength of 35MPa at 28 days, and conform to exposure class
- C-1 with a maximum water-cement ratio of 0.40 and air content of 5-8%. Maximum aggregate size to be 19mm.
- 7. No calcium chloride is permitted, in any form, in any concrete mix. Curing and protection of concrete for hot, cold or dry weather is to be as per clauses 7.4.1.8 and 7.4.2 of CAN/CSA.

STRUCTURAL ALUMINUM

- 1. Aluminum sections shall be new.
- 2. Aluminum alloys shall conform to the Aluminum Association publication Aluminum Standards and Data ISO 6361-2 or ISO 6362-2.
- 3. Extruded shapes, Tubes, Bolts, and Plate to be 6061 alloy uno.
- 4. Aluminum in contact with concrete or grout shall be given a heavy coat of alkali-resistant bituminous paint or other equivalent coating before installation.
- 5. Welding operators and procedures shall be qualified according to CSA W47.2.
- 6. Submit shop drawings for review prior to start of steel fabrication.
- 7. Fabrication practices and tolerances shall be in accordance with CAN/CSA-S16, except bolt holed edge distance tolerance to be -0, +2mm.
- 8. Anchor and connection bolts to be ASTM A193 Stainless Steel. Anchors shall be embedded 300mm into concrete, complete with a nut and washer each end.
- 9. Unless noted otherwise, column base plates shall be 20 mm minimum thick. Anchor bolt holes shall be punched undersize and reamed to size.
- 10. Provide 6 mm cap plates for all tube members uno.
- 11. Aluminum shall be connected with fillet welds all-around uno. Weld size shall match the wall thickness of the thinnest part being connected uno. Welds to be ground smooth.

TAMPER RESISTANCE AND CONNECTIONS

1. Connection hardware to be stainless steel uno.

sheet

- 2. Aluminum panels to be connected to structure with 6.4mm diameter stainless steel self-tapping screws at 450mm maximum centre to centre spacing.
- 3. Non-removable panels may be welded or glued by the manufacturer, as approved by Structural Engineer.
- 4. Panel connection screws to be tamper resistant "Torx-Pin" screws as supplied by O.E.M. Hardware of Surrey BC, or equivalent as approved by Structural Engineer.
- 5. Visible connection bolts shall be "Pentagon" tamper resistant bolts, with "Pentagon" nuts as supplied by O.E.M. Hardware of Surrey BC, or equivalent as approved by Structural Engineer. Anchor bolts to be secured with "Pentagon" security nuts.





project:



01	title sheet and drawing list
02	typography, colours and pictograms
03	sign design - overview
04	sign design - graphic design details
05	sign construction - sections
06	sign construction - details
07	general notes



Sign No. 3B Vehicular - Building Identification

project: Campus Wayfinding

number:

issue date: April 1, 2019

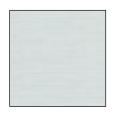
sign: Sign No. 3B - Building Identification

sheet name: title sheet and drawing list scale: as noted

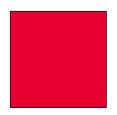
sheet number:



core colours



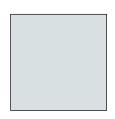
clear anodized coating application: sign structure



PANTONE 185 C application: pinstrip, arrows



PANTONE 426 C application: text, crest - monochromatic



PANTEONE 7541 C application: background, back panel (single sided sign)



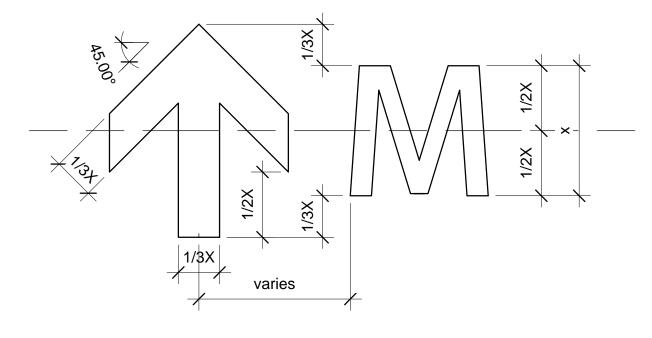
gary oak motif - digital file is to be delivered by University of Victoria

samples of typeface family

Myriad Pro Semi Bold

ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 1234567890

arrow style and arrow size in relation to text height



University of Victoria Logo, horizontal standard





full colur

reverse monochromatic -shown against background for clarity

project: Camp number: -

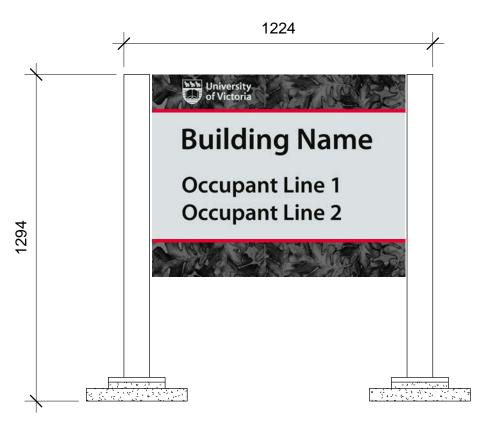
Campus Wayfinding

issue date: April 1, 2019

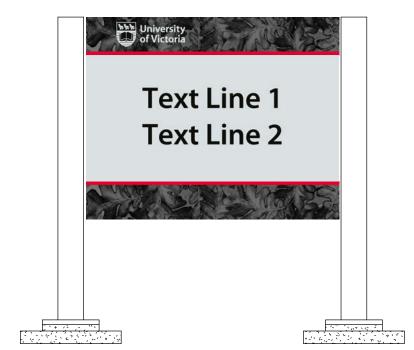
sign: sheet name: scale: Sign No. 3B - Building Identification typography, colours and pictograms as noted

sheet number:

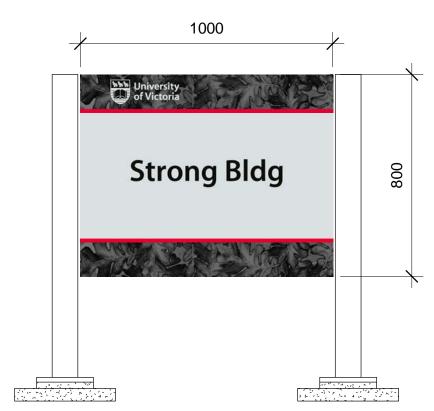




building name with occupant names scale 1:15



building name, text in two lines **scale 1:15**



building name, text in one line scale 1:15



building name, text in two lines (double line stacked) **scale 1:15**

Campus Wayfinding project:

number:

issue date: April 1, 2019

Sign No. 3B - Building Identification sign:

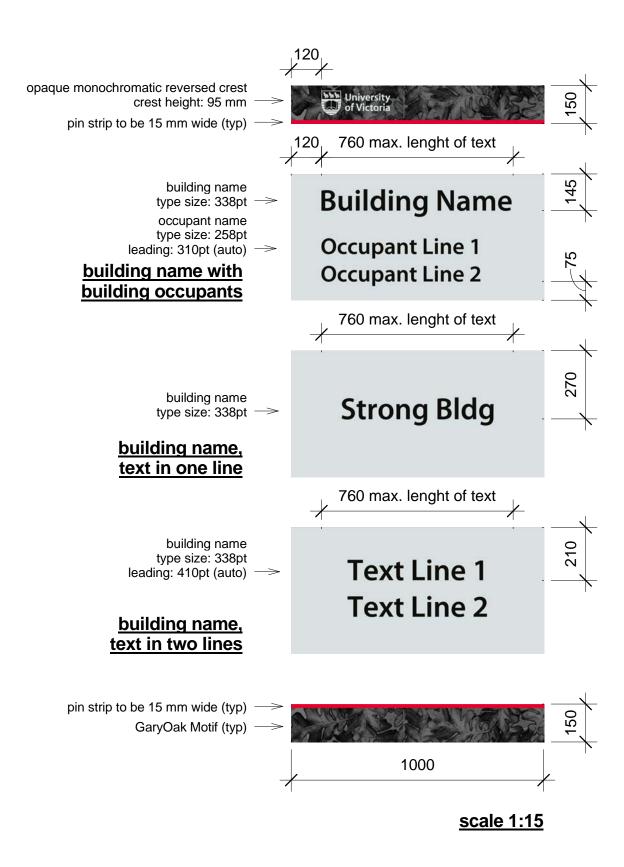
sheet name: sign design - overview

scale: as noted





University of Victoria



project: Campus Wayfinding

number: -

issue date: April 1, 2019

sign: sheet name: scale: Sign No. 3B - Building Identification sign design - graphic design details as noted

Digitally printed vinyl protected with anti-graffiti, optically clear overlaminate Aluminum panel size (one piece): 1000 mm x 800 mm x 6.4 mm See sheet 05 for details.

Description

Vinyl: 3M IJ180, MPI 2005 or equivalent Overlaminate: 3M 8914, Avery DOL 6060 or equivalent.

1) One piece vinyl to be printed on, installed as per

manufacturer's recommendations.

2) Use compatible UV inks and overlaminates

as recommended by manufacturer

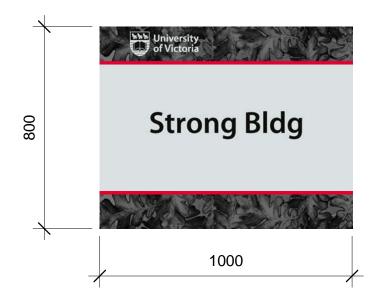
3) Wrap vinyl and overlaminate over the edges

of the aluminum panel.

4) If single sided sign then back panel to receive

vinyl printed with PANTEONE 7541 C

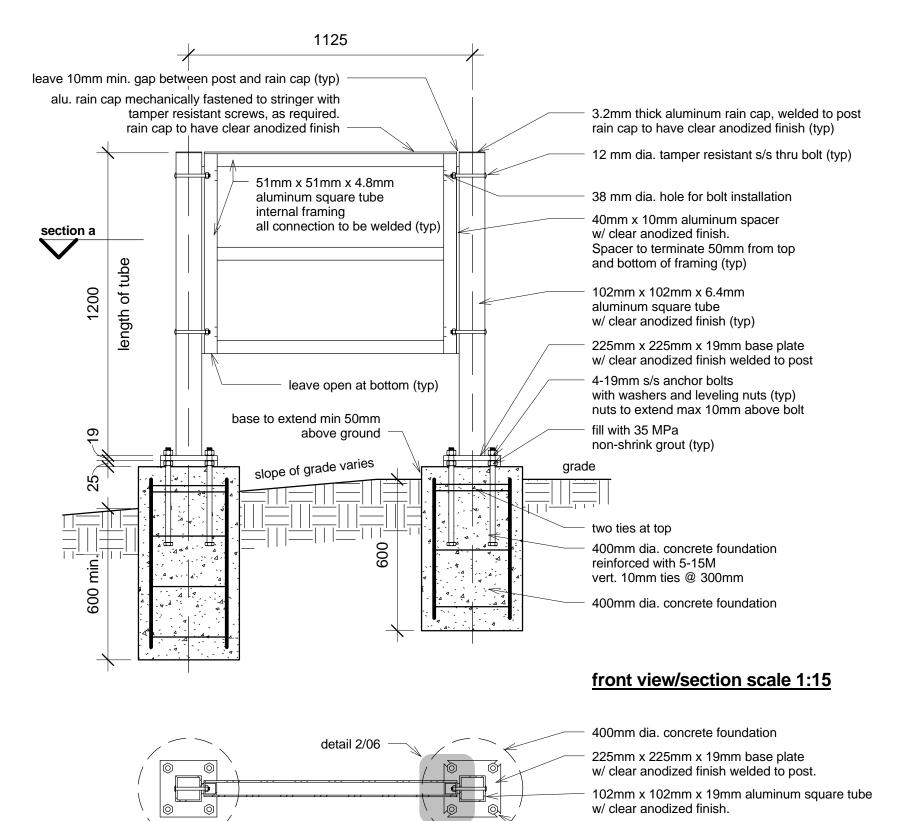
Refer to Adobe Photoshop files for detailed sample layout



scale 1:15





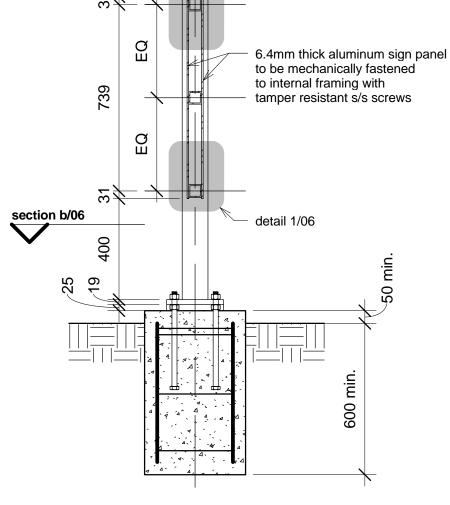


section a scale 1:15

4-19mm s/s anchor bolts

Sign No. 3B - Building Identification sign: sign construction - sections sheet name:

scale: as noted



side view/section scale 1:15

detail 1/06

General Note: Manufacturer to verify all diemnsions prior to sign fabrication. All discrepancies

should be reported to the Architect.

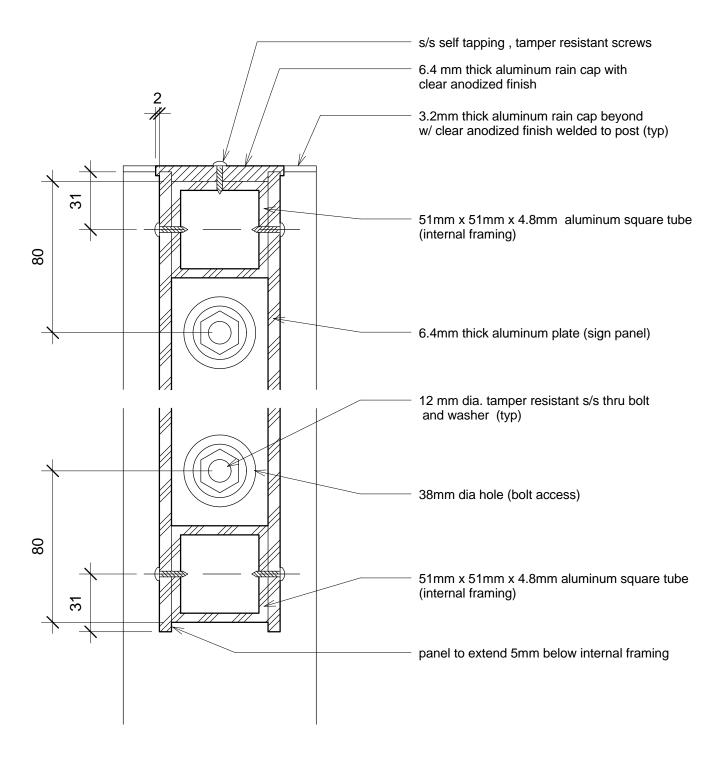
sheet

University of Victoria

Campus Wayfinding project:

number:

issue date: April 1, 2019



General Note: Manufacturer to verify all diemnsions prior to sign fabrication. All discrepancies should be reported to the Architect.

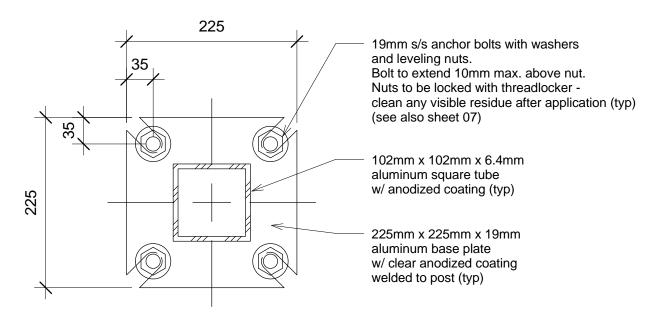
section detail 1 scale 1:2

51mm x 51mm x 4.8mm aluminum square tube (internal framing) 6.4mm thick aluminum plate (sign panel) line of rain cap above 38 mm dia. hole for bolt installation s/s self tapping, tamper resistant screws (typ) s/s washer 40mm x 10mm aluminum spacer w/ clear anodized finish 12 mm dia. tamper resistant s/s thru bolt (typ)

102mm x 102mm x 19mm aluminum square tube

w/ clear anodized finish.

section detail 2 scale 1:2



section b (slip base) scale 1:5

Campus Wayfinding project:

number:

issue date: April 1, 2019

Sign No. 3B - Building Identification sign:

sign construction - details sheet name:

scale: as noted





GENERAL NOTES

- 1. Provide self adhesive sign ID stickers. ID's should correspond with ID's shown on location plan Form and placement of stickers on signs is to be coordinated with University of Victoria
- 2. Fasteners:

foundation (anchor bolts):

bolts: Fastenal part #47406 (1/2" s/s threaded rod)

washers: Fastenal part #71021 (1/2" s/s washers)

nuts: Fastenal part #70714 (1/2" s/s nuts)

thru bolts: Fastenal part #174786 (1/2" s/s x 5" button Socket Cap Screw)

thru bolt washers: Fastenal part #71021 (1/2" s/s washers)

thru bolt nuts: 70714 (1/2" s/s nuts)

security screws panel attachment: Fastenal part #BS0160024SSH200 (10-24 x 3/4" button head security screw) rain cap attachment: Fastenal part #BS0160024SSH200 (10-24 x 3/4" button head security screw)

- 3. Threadlocker: Locktite 271 Red
- 4. Whenever anchor bolts are cut, contractor to ensure cut surfaces (terminated coating) are protected against rusting.
- 5. Manufacturer to verify all diemnsions prior to sign fabrication. All discrepancies should be reported to the Architect.

STRUCTURAL NOTES

DRAWINGS

- 1. These drawings show the completed project. The drawings do not show components that may be necessary for construction safety, which is the responsibility of the contractor.
- 2. The use of these drawings is limited to that indicated in the revisions column.
- 3. The information on these drawings shall not be used for any other project or works.

DESIGN

- 1. The structures shown have been designed in substantial accordance with the British Columbia Building Code 2006, which is based on the National Building Code of Canada 2005.
- 2. The following wind loads and factors were used: q50=0.63kPa, lw=1.0-ULS, 0.75-SLS.

FIELD REVIEW BY STRUCTURAL ENGINEER

- 1. Structural Engineer provides field review only for the work shown on these structural drawings, and it is conducted with such frequency as Structural Engineer deems appropriate to ascertain that the work is in general conformance with the documents prepared by Structural Engineer. Field review by Structural Engineer is not carried out for the Contractor's benefit, nor does it make Structural Engineer guarantors of the Contractor's work. It remains the Contractor's responsibility to build the work in conformance with the contract documents. Structural Engineer shall not be responsible for the acts or omissions of the Contractor, Sub-Contractor, or any other persons performing any of the work or for the failure of any of them to carry out the work in accordance with the contract documents.
- 2. Provide 24 hours advance notice of each required field review. Field reviews shall be scheduled to be carried out during normal business hours unless special arrangements are made with Structural Engineer.
- 3. The work to be reviewed shall be generally complete.

STRUCTURAL NOTES (cont)

CONCRETE AND REINFORCING STEEL

- 1. Concrete work shall conform to CAN/CSA-A23.1, CAN/CSA -A23.2, CAN/CSA -A23.3 and referenced documents.
- 2. Reinforcing shall conform to CAN/CSA-G30.18R Grade 400MPa.
- 3. Cover to reinforcing steel to be 50mm uno.
- 4. Portland cement shall be type gu unless noted otherwise.
- 5. Concrete shall have a unit weight of 23±1 kn/m3/ (145±5 pcf) unless noted otherwise.
- 6. Concrete shall have a compressive strength of 35MPa at 28 days, and conform to exposure class
- C-1 with a maximum water-cement ratio of 0.40 and air content of 5-8%. Maximum aggregate size to be 19mm.
- 7. No calcium chloride is permitted, in any form, in any concrete mix. Curing and protection of concrete for hot, cold or dry weather is to be as per clauses 7.4.1.8 and 7.4.2 of CAN/CSA.

STRUCTURAL ALUMINUM

- 1. Aluminum sections shall be new.
- 2. Aluminum alloys shall conform to the Aluminum Association publication Aluminum Standards and Data ISO 6361-2 or ISO 6362-2.
- 3. Extruded shapes, Tubes, Bolts, and Plate to be 6061 alloy uno.
- 4. Aluminum in contact with concrete or grout shall be given a heavy coat of alkali-resistant bituminous paint or other equivalent coating before installation.
- 5. Welding operators and procedures shall be qualified according to CSA W47.2.
- 6. Submit shop drawings for review prior to start of steel fabrication.
- 7. Fabrication practices and tolerances shall be in accordance with CAN/CSA-S16, except bolt holed edge distance tolerance to be -0, +2mm.
- 8. Anchor and connection bolts to be ASTM A193 Stainless Steel. Anchors shall be embedded 300mm into concrete, complete with a nut and washer each end.
- 9. Unless noted otherwise, column base plates shall be 20 mm minimum thick. Anchor bolt holes shall be punched undersize and reamed to size.
- 10. Provide 6 mm cap plates for all tube members uno.
- 11. Aluminum shall be connected with fillet welds all-around uno. Weld size shall match the wall thickness of the thinnest part being connected uno. Welds to be ground smooth.

TAMPER RESISTANCE AND CONNECTIONS

1. Connection hardware to be stainless steel uno.

sheet

- 2. Aluminum panels to be connected to structure with 6.4mm diameter stainless steel self-tapping screws at 450mm maximum centre to centre spacing.
- 3. Non-removable panels may be welded or glued by the manufacturer, as approved by Structural Engineer.
- 4. Panel connection screws to be tamper resistant "Torx-Pin" screws as supplied by O.E.M. Hardware of Surrey BC, or equivalent as approved by Structural Engineer.
- 5. Visible connection bolts shall be "Pentagon" tamper resistant bolts, with "Pentagon" nuts as supplied by O.E.M. Hardware of Surrey BC, or equivalent as approved by Structural Engineer. Anchor bolts to be secured with "Pentagon" security nuts.





Sheet List	
Sheet Number	Sheet Name

01	title sheet and drawing list
02	typography, colours and pictograms
03	sign design - overview
04	sign design - graphic design details
05	sign construction - sections
06	sign construction - details
07	general notes

Campus Wayfinding project: FM 09-8567

number: issue date: April 1, 2019

sign: sheet name: scale:

Sign No. 6 - Directional title sheet and drawing list

as noted



Sign No. 6 **Vehicular - Directional**

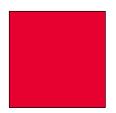




core colours



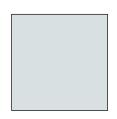
clear anodized coating application: sign structure



PANTONE 185 C application: pinstrip, arrows



PANTONE 426 C application: text, crest - monochromatic



PANTEONE 7541 C application: background, back panel (single sided sign)



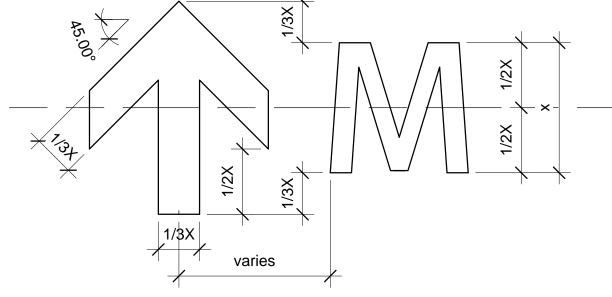
gary oak motif - digital file is to be delivered by University of Victoria

samples of typeface family

Myriad Pro Semi Bold

ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 1234567890

arrow style and arrow size in relation to text height



University of Victoria Logo, horizontal standard





full colour

reverse monochromatic - shown against background for clarity

project: number:

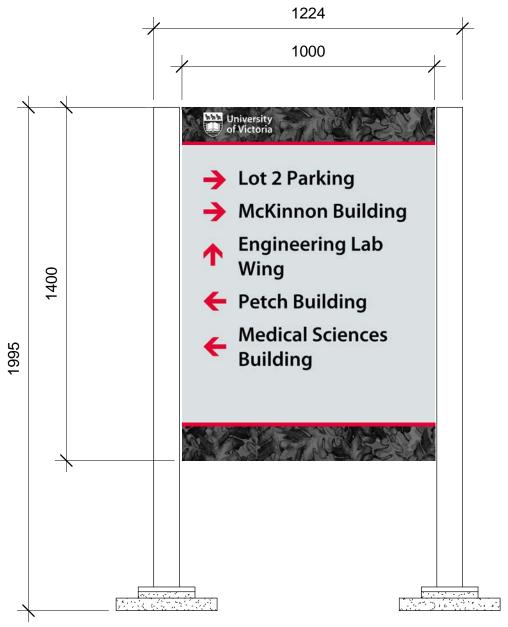
Campus Wayfinding FM 09-8567 issue date: April 1, 2019

sign: sheet name: scale:

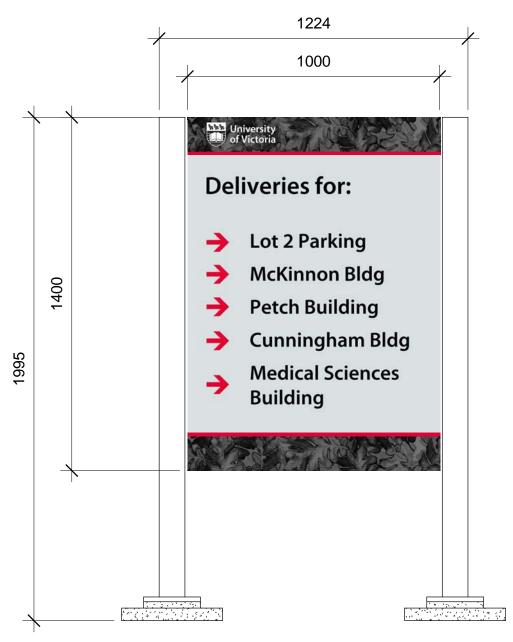
Sign No. 6 - Directional typography, colours and pictograms

sheet





Directional version 1 scale 1:15



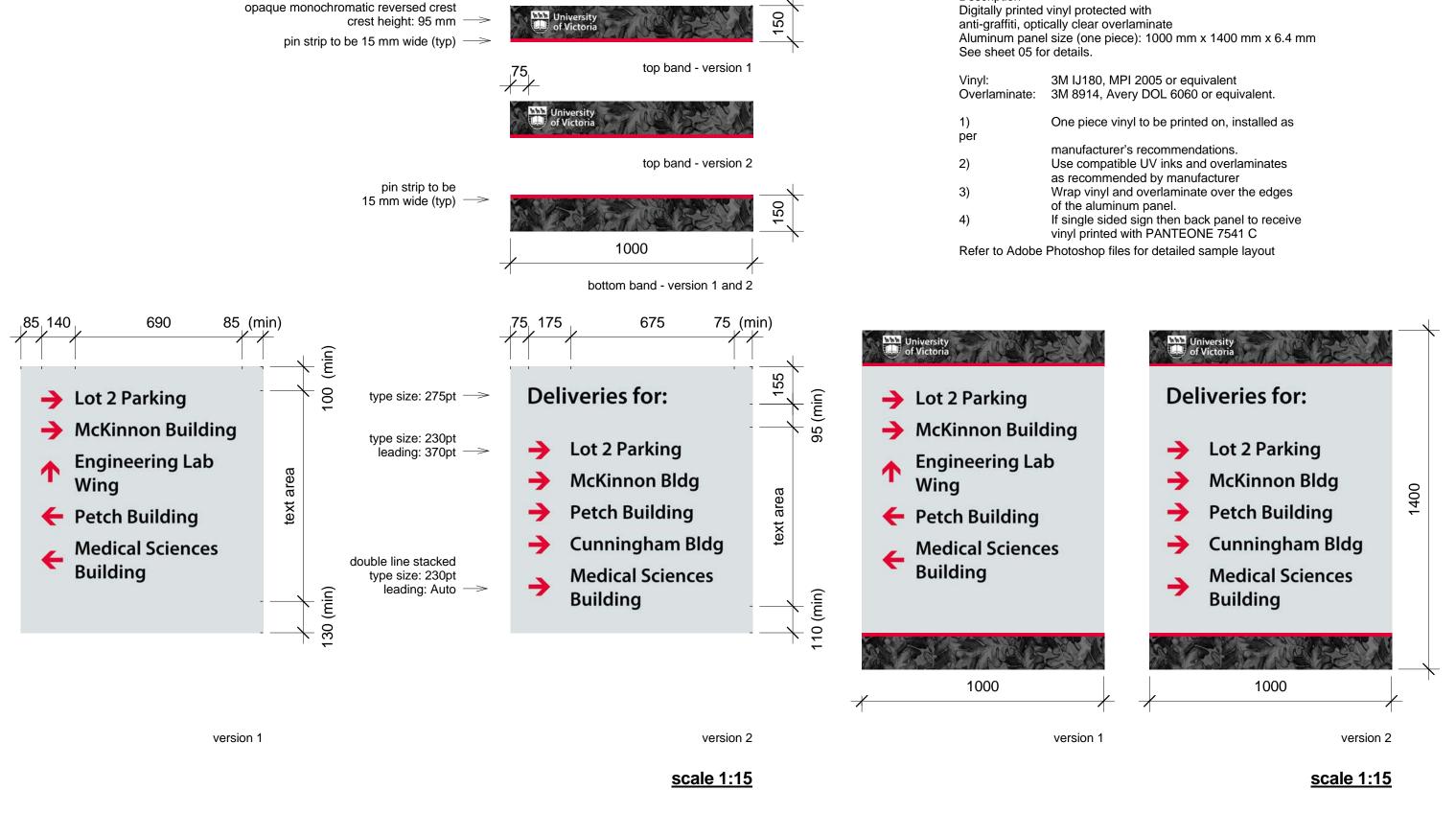
Directional version 2 scale 1:15

project: Campus Wayfinding number: FM 09-8567 issue date: April 1, 2019

sign: Sign No. 6 - Directional sign design - overview as noted







University

Campus Wayfinding FM 09-8567 issue date: April 1, 2019

project:

number:

Sign No. 6 - Directional sign: sheet name:

sign design - graphic design details

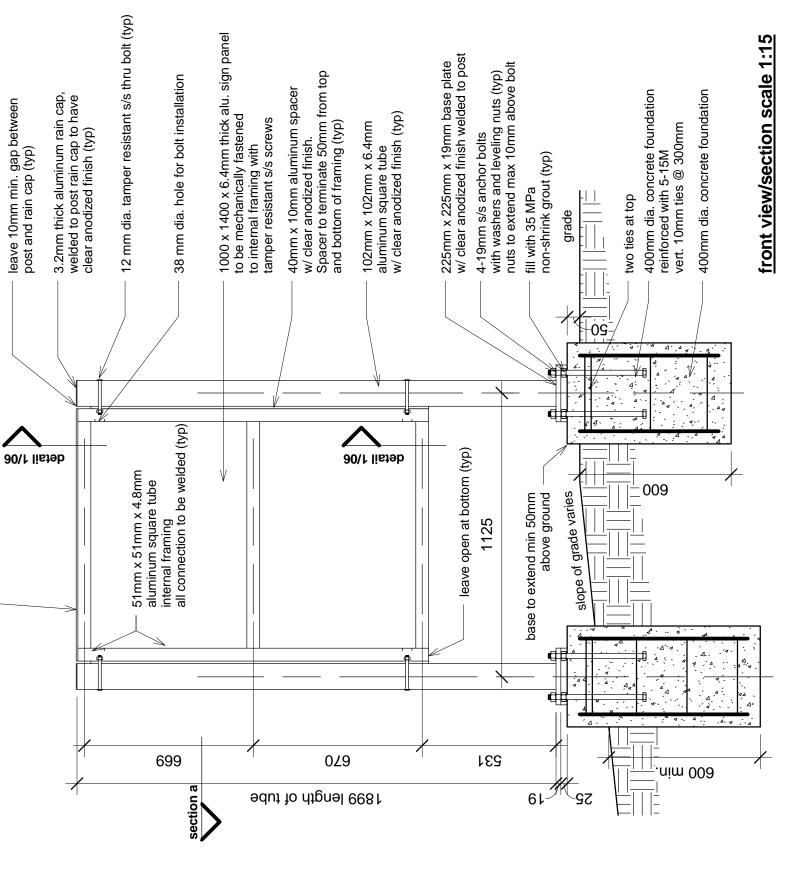
scale: as noted sheet

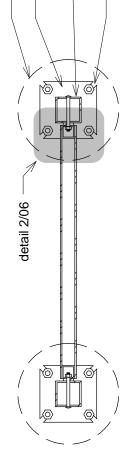
Description

project: Campus Wayfinding number: FM 09-8567 issue date: April 1, 2019

alu. rain cap mechanically fastened to stringer with tamper resistant screws, as required. rain cap to have clear anodized finish

Sign No. 6 - Directional sign: sheet name: sign construction - sections scale: as noted





sheet

225mm x 225mm x 19mm base plate w/ clear anodized finish welded to post.

400mm dia. concrete foundation

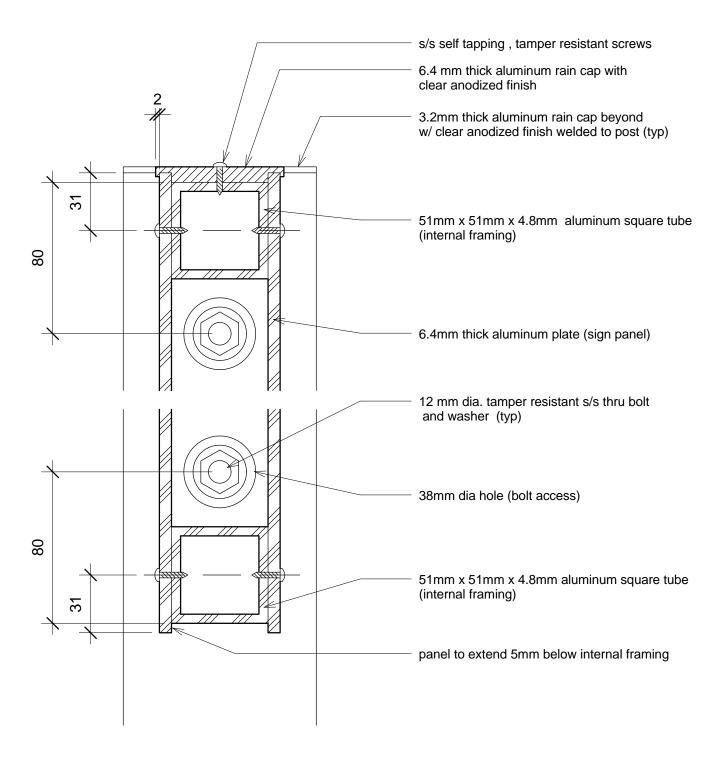
102mm x 102mm x 19mm aluminum square tube w/ clear anodized finish.

4-19mm s/s anchor bolts

section a scale 1:15



General Note: Manufacturer to verify all diemnsions prior to sign fabrication. All discrepancies should be reported to the Architect.



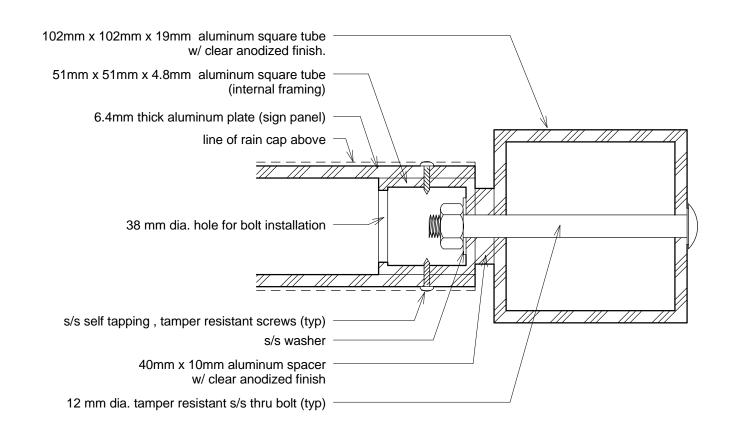
General Note: Manufacturer to verify all diemnsions prior to sign fabrication. All discrepancies should be reported to the Architect.

section detail 1 scale 1:2

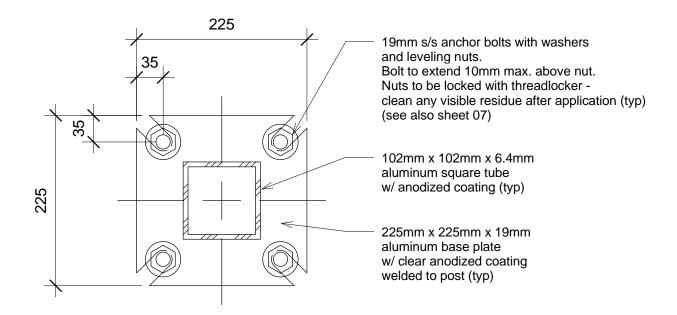
project: Campus Wayfinding number: FM 09-8567 issue date: April 1, 2019

sign: Sign No. 6 - Directional sheet name: sign construction - details

scale: as noted



section detail 2 scale 1:2



section b (slip base) scale 1:5





GENERAL NOTES

- 1. Provide self adhesive sign ID stickers. ID's should correspond with ID's shown on location plan Form and placement of stickers on signs is to be coordinated with University of Victoria
- 2. Fasteners:

foundation (anchor bolts):

bolts: Fastenal part #47406 (1/2" s/s threaded rod)

washers: Fastenal part #71021 (1/2" s/s washers)

nuts: Fastenal part #70714 (1/2" s/s nuts)

posts:

thru bolts: Fastenal part #174786 (1/2" s/s x 5" button Socket Cap Screw)

thru bolt washers: Fastenal part #71021 (1/2" s/s washers)

thru bolt nuts: 70714 (1/2" s/s nuts)

panels

security screws panel attachment: Fastenal part #BS0160024SSH200 (10-24 x 3/4" button head security screw) rain cap attachment: Fastenal part #BS0160024SSH200 (10-24 x 3/4" button head security screw)

- 3. Threadlocker: Locktite 271 Red
- 4. Whenever anchor bolts are cut, contractor to ensure cut surfaces (terminated coating) are protected against rusting.
- 5. Manufacturer to verify all diemnsions prior to sign fabrication. All discrepancies should be reported to the Architect.

STRUCTURAL NOTES

DRAWINGS

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- to build the work in conformance with the contract documents. Structural Engineer shall not be responsible for the acts or omissions of the Contractor, Sub-Contractor, or any other persons performing any of the work or for the failure of any of them to carry out the work in accordance with the contract documents.
- 2. Provide 24 hours advance notice of each required field review. Field reviews shall be scheduled to be carried out during normal business hours unless special arrangements are made with Structural Engineer.

sheet name:

scale:

Sign No. 6 - Directional

general notes

as noted

3. The work to be reviewed shall be generally complete.

STRUCTURAL NOTES (cont)

CONCRETE AND REINFORCING STEEL

- 1. Concrete work shall conform to CAN/CSA-A23.1, CAN/CSA -A23.2, CAN/CSA -A23.3 and referenced documents.
- 2. Reinforcing shall conform to CAN/CSA-G30.18R Grade 400MPa.
- 3. Cover to reinforcing steel to be 50mm uno.
- 4. Portland cement shall be type gu unless noted otherwise.
- 5. Concrete shall have a unit weight of 23±1 kn/m3/ (145±5 pcf) unless noted otherwise.
- 6. Concrete shall have a compressive strength of 35MPa at 28 days, and conform to exposure class
- C-1 with a maximum water-cement ratio of 0.40 and air content of 5-8%. Maximum aggregate size to be 19mm.
- 7. No calcium chloride is permitted, in any form, in any concrete mix. Curing and protection of concrete for hot, cold or dry weather is to be as per clauses 7.4.1.8 and 7.4.2 of CAN/CSA.

STRUCTURAL ALUMINUM

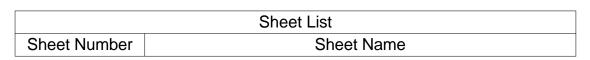
- 1. Aluminum sections shall be new.
- 2. Aluminum alloys shall conform to the Aluminum Association publication Aluminum Standards and Data ISO 6361-2 or ISO 6362-2.
- 3. Extruded shapes, Tubes, Bolts, and Plate to be 6061 alloy uno.
- 4. Aluminum in contact with concrete or grout shall be given a heavy coat of alkali-resistant bituminous paint or other equivalent coating before installation.
- 5. Welding operators and procedures shall be qualified according to CSA W47.2.
- 6. Submit shop drawings for review prior to start of steel fabrication.
- 7. Fabrication practices and tolerances shall be in accordance with CAN/CSA-S16, except bolt holed edge distance tolerance to be -0, +2mm.
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- 1. Connection hardware to be stainless steel uno.
- 2. Aluminum panels to be connected to structure with 6.4mm diameter stainless steel self-tapping screws at 450mm maximum centre to centre spacing.
- 3. Non-removable panels may be welded or glued by the manufacturer, as approved by Structural Engineer.
- 4. Panel connection screws to be tamper resistant "Torx-Pin" screws as supplied by O.E.M. Hardware of Surrey BC, or equivalent as approved by Structural Engineer.
- 5. Visible connection bolts shall be "Pentagon" tamper resistant bolts, with "Pentagon" nuts as supplied by O.E.M. Hardware of Surrey BC, or equivalent as approved by Structural Engineer. Anchor bolts to be secured with "Pentagon" security nuts.







0.4	title algorithm district
01	title sheet and drawing list
02	typography, colours and pictograms
03	sign design - overview
04	sign design - graphic design details
05	sign construction - sections
06	sign construction - details
07	general notes

project: Campus Wayfinding - Phase 1

number:

issue date: April 1, 2019

sign: Sign No. 6A

sheet name: title sheet and drawing list

scale: as noted



Sign No. 6A Vehicular - Directional

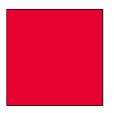


sheet number:

core colours



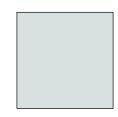
clear anodized coating application: sign structure



PANTONE 185 C application: pinstrip, arrows



PANTONE 426 C application: text, crest - monochromatic



PANTEONE 7541 C application: background, back panel (single sided sign)



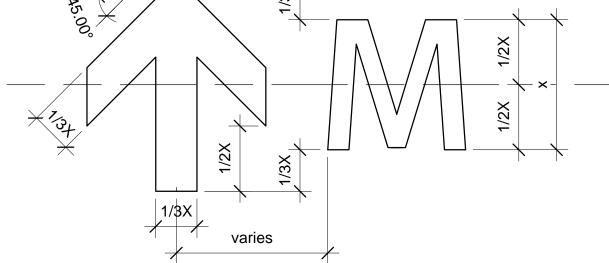
gary oak motif - digital file is to be delivered by University of Victoria

samples of typeface family

Myriad Pro Semi Bold

ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 1234567890

arrow style and arrow size in relation to text height



University of Victoria Logo, horizontal standard





full colour

reverse monochromatic - shown against background for clarity

project: Campus Wayfinding - Phase 1 number:

issue date: April 1, 2019

sign:

scale:

sheet name:

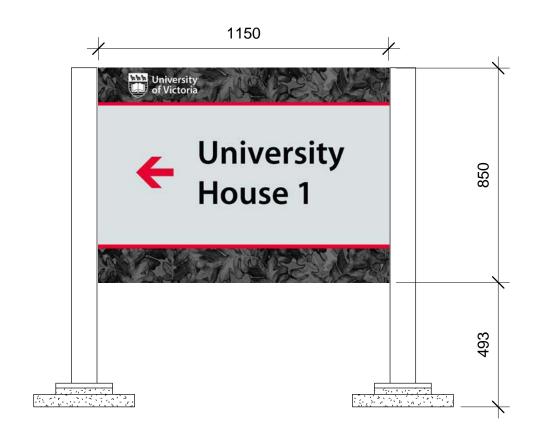
Sign No. 6A

typography, colours and pictograms

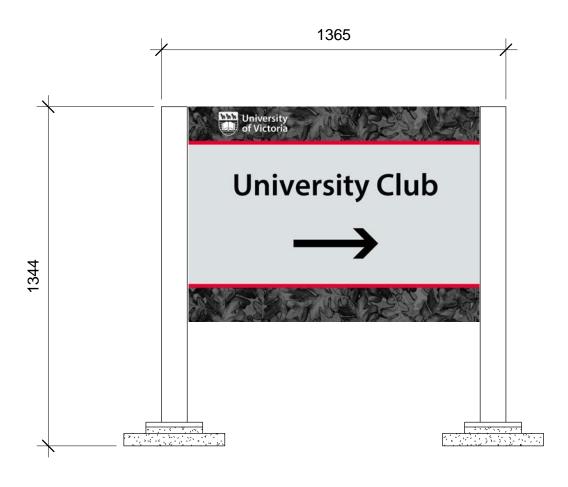
as noted

sheet









Version 2 scale 1:15

project: number: Campus Wayfinding - Phase 1

issue date: April 1, 2019

Sign No. 6A sign:

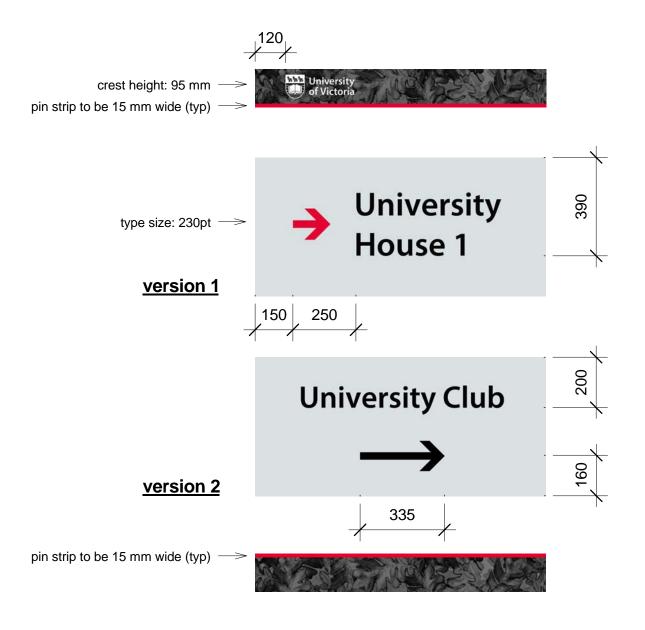
sheet name: sign design - overview

scale: as noted



sheet number:





scale 1:15

project: Campus Wayfinding - Phase 1

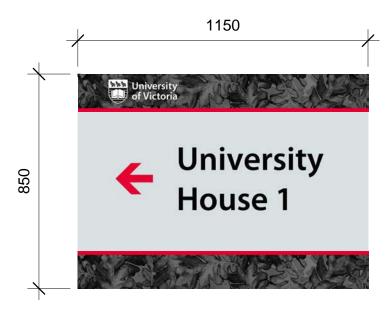
number: -

issue date: April 1, 2019

sign: Sign No. 6A

sheet name: sign design - graphic design details

scale: as noted



Description
Digitally printed vinyl protected with
anti-graffiti, optically clear overlaminate
Aluminum panel size (one piece): 1150 mm x 850 mm x 6.4 mm

Reflective vinyl: SRV (white reflective) Overlaminate: DOL 6060

1) One piece vinyl to be printed on, installed as per

manufacturer's recommendations.
2) Use compatible UV inks and overlaminates

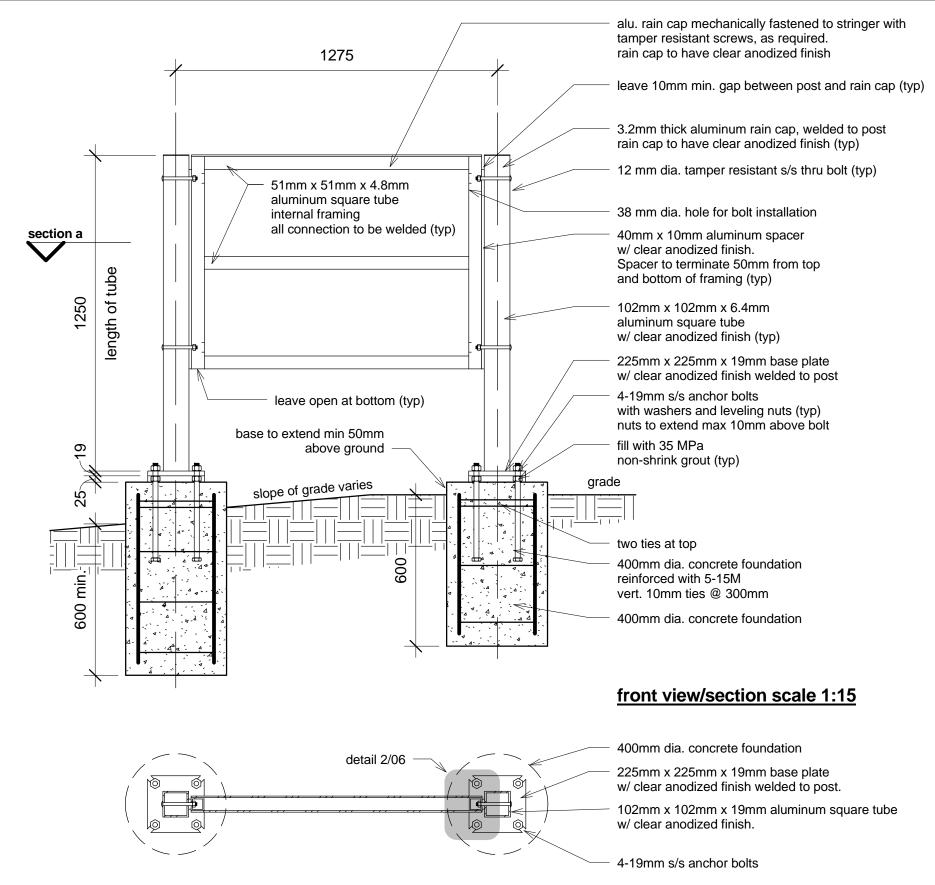
2) Use compatible UV inks and overlaminates as recommended by manufacturer

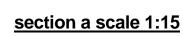
Wrap vinyl and overlaminate over the edges of the aluminum panel.

Refer to Adobe Photoshop files for detailed sample layout

version 1 to be used in locations where traffic approaches at low speeds version 2 to be used in locations where traffic approaches at high speeds







project: Campus Wayfinding - Phase 1

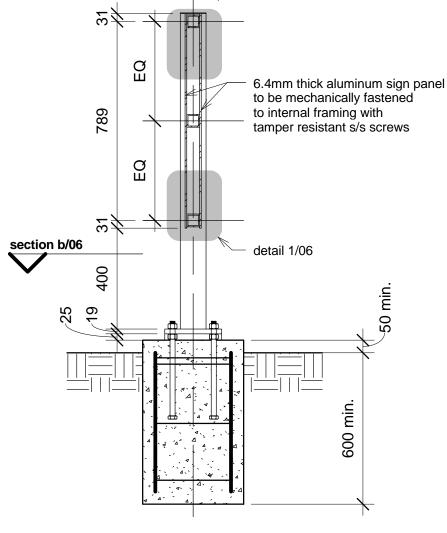
number: -

issue date: April 1, 2019

sign: Sign No. 6A

sheet name: sign construction - sections

scale: as noted



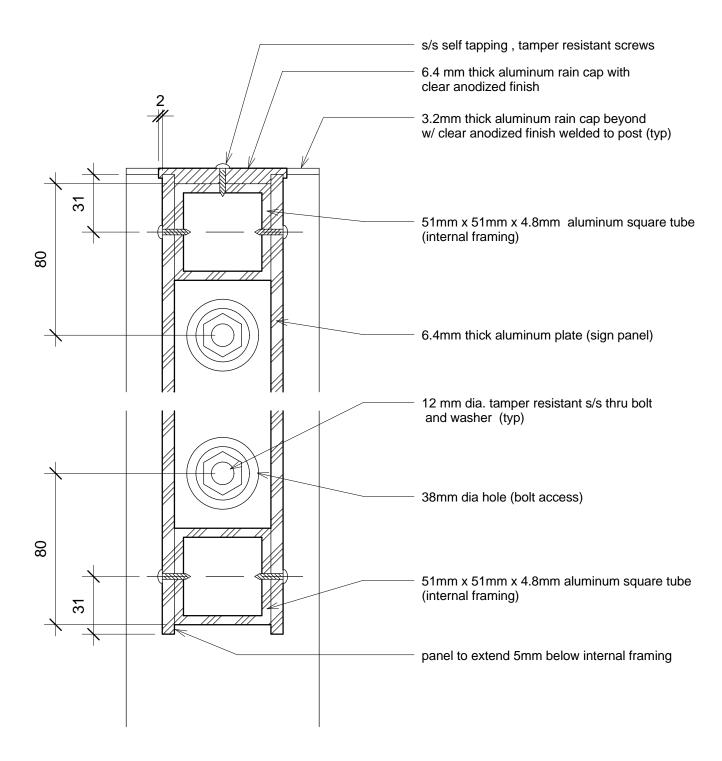
side view/section scale 1:15

detail 1/06

General Note:

Manufacturer to verify all diemnsions prior to sign fabrication. All discrepancies should be reported to the Architect.





General Note: Manufacturer to verify all diemnsions prior to sign fabrication. All discrepancies should be reported to the Architect.

section detail 1 scale 1:2

project: Campus Wayfinding - Phase 1

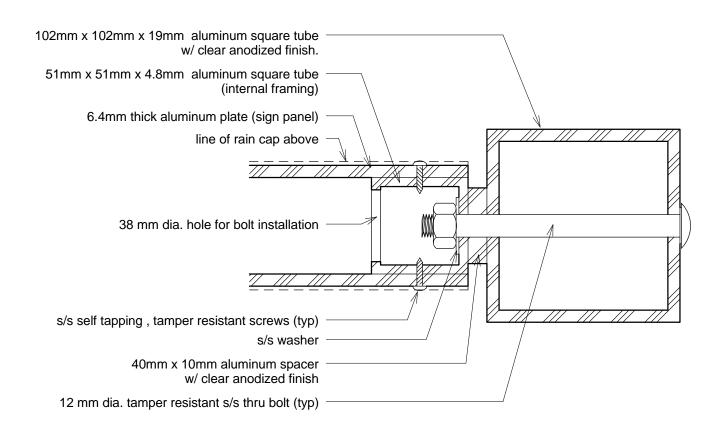
number:

issue date: April 1, 2019

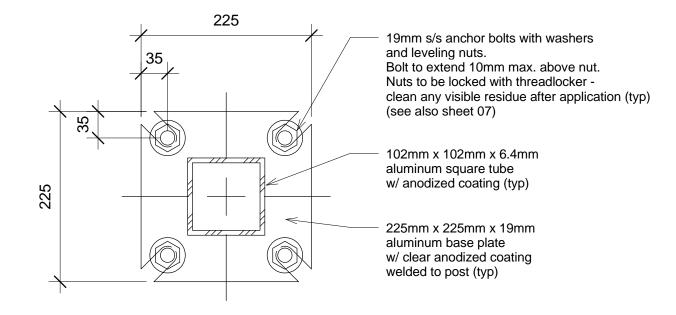
sign: Sign No. 6A

sheet name: sign construction - details

scale: as noted



section detail 2 scale 1:2



section b (slip base) scale 1:5





GENERAL NOTES

1. Provide self adhesive sign ID stickers. ID's should correspond with ID's shown on location plan Form and placement of stickers on signs is to be coordinated with University of Victoria

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nuts: Fastenal part #70714 (1/2" s/s nuts)

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- 2. Aluminum panels to be connected to structure with 6.4mm diameter stainless steel self-tapping screws at 450mm maximum centre to centre spacing.
- 3. Non-removable panels may be welded or glued by the manufacturer, as approved by Structural Engineer.
- 4. Panel connection screws to be tamper resistant "Torx-Pin" screws as supplied by O.E.M. Hardware of Surrey BC, or equivalent as approved by Structural Engineer.
- 5. Visible connection bolts shall be "Pentagon" tamper resistant bolts, with "Pentagon" nuts as supplied by O.E.M. Hardware of Surrey BC, or equivalent as approved by Structural Engineer. Anchor bolts to be secured with "Pentagon" security nuts.





	Sheet List	
Sheet		
Number	Sheet Name	

01	title sheet and drawing list	
02	typography, colours and pictograms	
03	sign design - overview	
04	sign design - overview cont.	
05	sign design - graphic design details	
06	sign design - graphic design details cont.	
07	sign construction - cross section	
80	sign construction - section plans	
09	sign construction - painted canopy plan and details	
10	sign construction - details	
11	typical concrete slab	
12	general notes	



Sign No. 8 Pedestrian - Map Directory Kiosk

Campus Wayfinding project:

number: FM 09-8567 issue date: April 1, 2019 Sign No. 8 Pedestrian Map Directory Kiosk

sheet name: title sheet and drawing list scale:

as noted



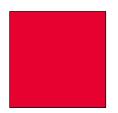
sheet



core colours



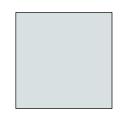
clear anodized coating application: sign structure



PANTONE 185 C application: pinstrip, arrows



PANTONE 426 C application: text, crest - monochromatic



PANTEONE 7541 C application: background

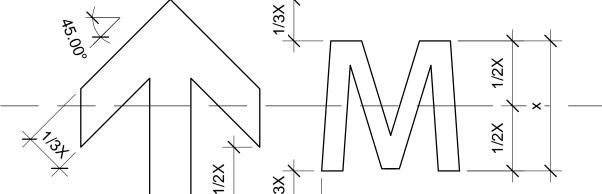


gary oak motif - digital file is to be delivered by University of Victoria

samples of typeface family

Myriad Pro Semi Bold

ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 1234567890



varies

arrow style and arrow size in relation to text height

University of Victoria Logo, horizontal standard





full colour

reverse monochromatic - shown against background for clarity

project: Campus Wayfinding FM 09-8567 number: issue date: April 1, 2019

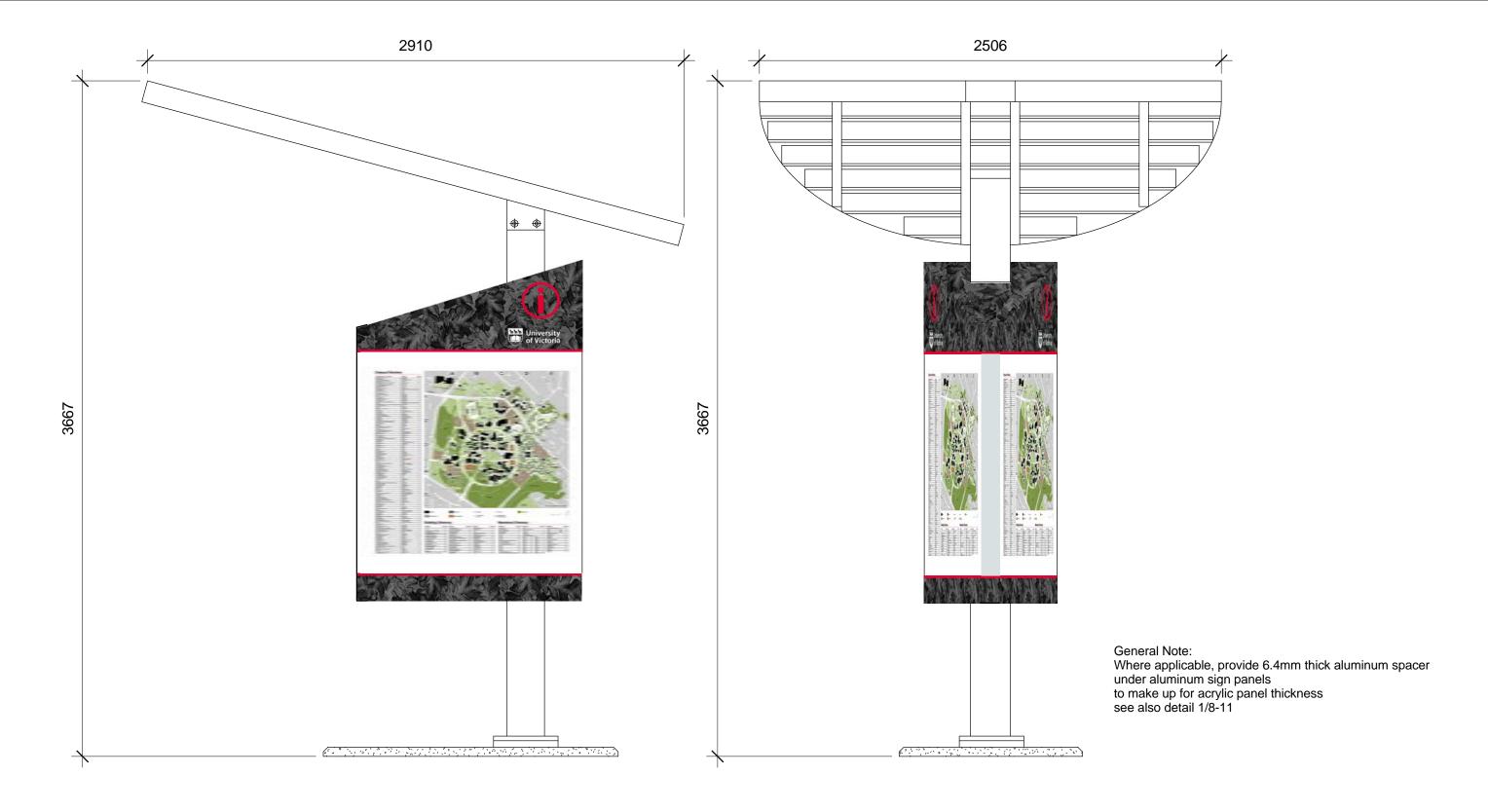
sheet name: scale:

Sign No. 8 Pedestrian Map Directory Kiosk typography, colours and pictograms as noted

sheet







side elevation scale 1:20

front elevation scale 1:20

project: Campus Wayfinding number: FM 09-8567

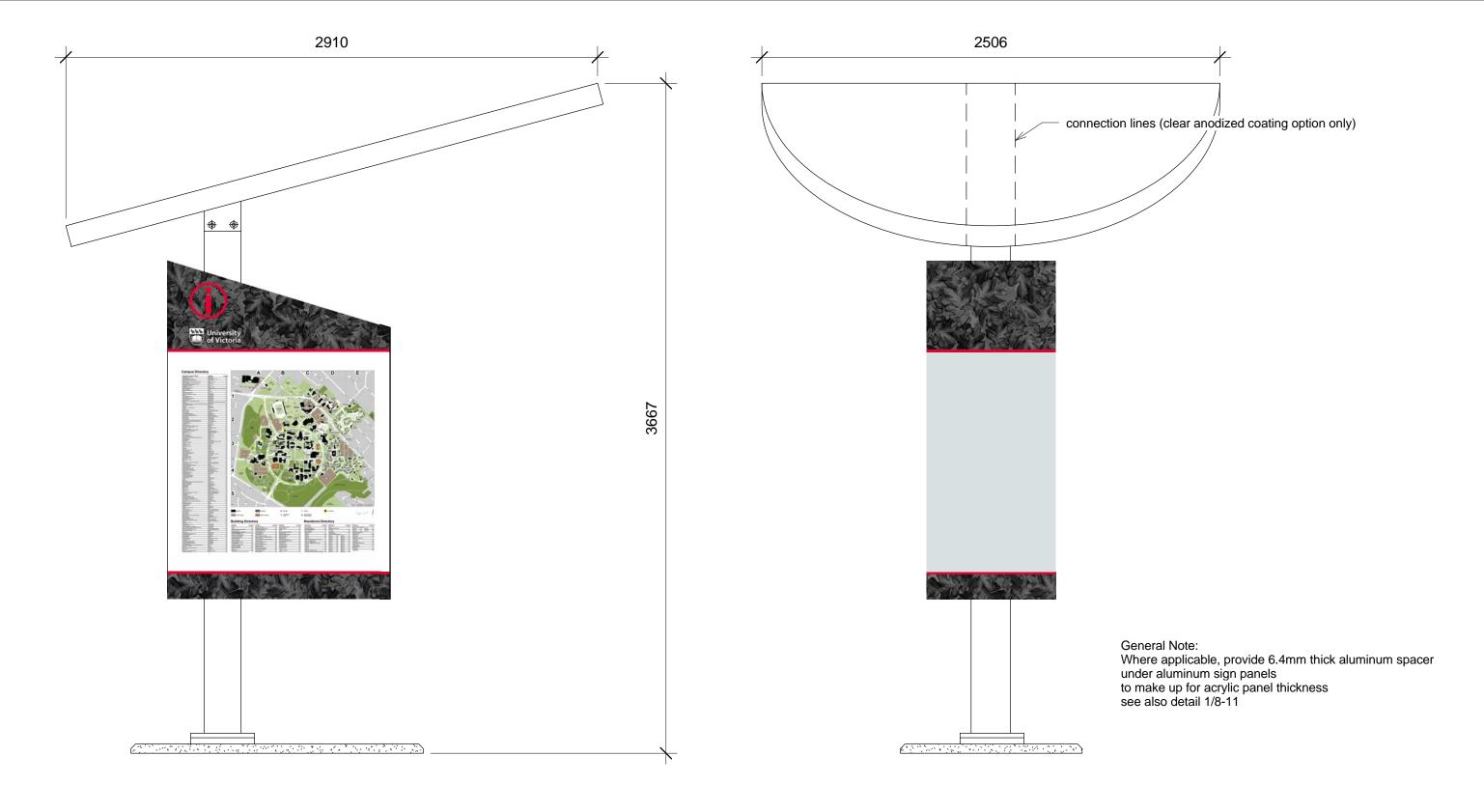
issue date: April 1, 2019

sign: Sign No. 8 Pedestrian Map Directory Kiosk

sheet name: sign design - overview scale: as noted

sheet numbe 03





side elevation scale 1:20

Sign No. 8 Pedestrian Map Directory Kiosk sign:

scale: as noted

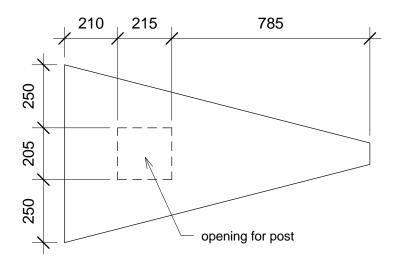
back elevation scale 1:20



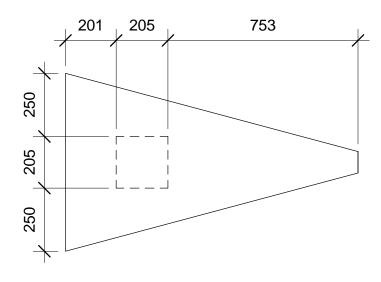


Campus Wayfinding FM 09-8567 project: number: issue date: April 1, 2019

sheet name: sign design - overview cont.



top panel: 3.2mm thick aluminum with digitally printed vinyl (Gary Oak motif) protected with anti-graffiti, optically clear overlaminate.



bottom panel: 3.2 mm thick aluminum with clear anodized coating



back panel: Digitally printed vinyl protected with anti-graffiti, optically clear overlaminate. Aluminum panel size: 710 mm x 1848 mm x 3.2 mm



non-glare clear acrylic panel, digitally printed-on vinyl, diffusion layer. Acrylic panel size: 1200 mm x 1200 mm x 6.4 mm



anti-graffiti, optically clear overlaminate.



Digitally printed vinyl protected with Aluminum panel size: 1190 mm x 150 mm x 3.2 mm

General note: Manufacturer to confirm all dimensions prior to fabrication.

Campus Wayfinding project:

FM 09-8567 number: issue date: April 1, 2019

Sign No. 8 Pedestrian Map Directory Kiosk sign: sign design - graphic design details sheet name:

scale: as noted







Non-glare clear acrylic:

Clear acrylic (pictograms):

or equivalent.

Vinvl:

1)

2)

3)

4)

5)

6)

First surface prints:

2nd surface prints:

Plaskolite OPTIX Abrasion Resistant Non-Glare

Plaskolite OPTIX, Chemcast GP or equivalent

CAV-50 reverse print - i/w/i (2nd surface)

format

Overlaminate: 3M 8914, Avery DOL 6060

3M IJ180, MPI 2005 or equivalent

Vinyl to be printed on, installed as per

Use compatible UV inks and overlaminates

overlaminate over the edges of the alu. panel. All panels to be mechanically festened to

Directory map shown for reference only. directory map with all associated texts and

Manufacturer to confirm all dimensions

pictograms to be provided in digital

manufacturer's recommendations.

as recommended by manufacturer

Where applicable wrap vinyl and

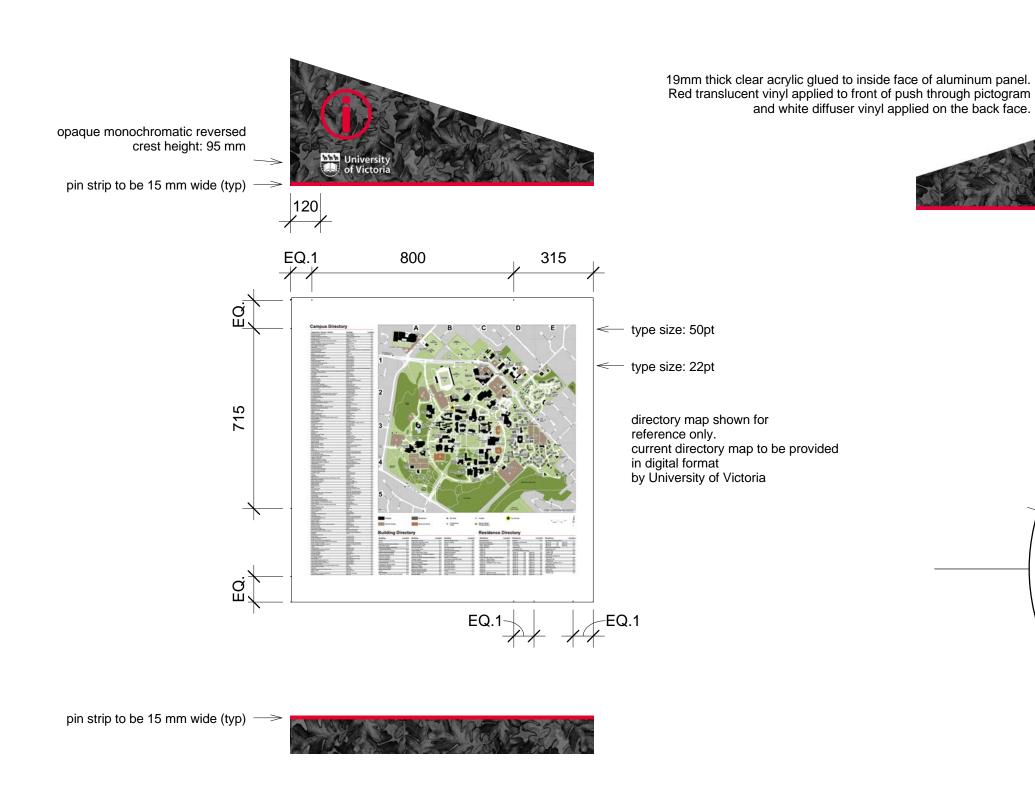
substrate.

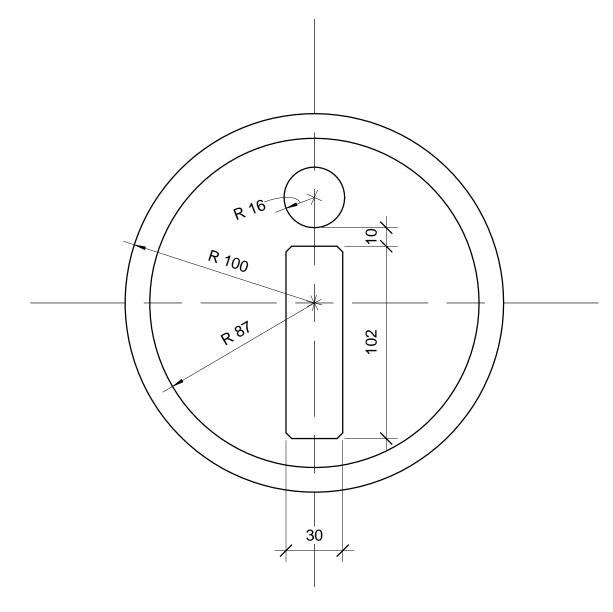
by University of Victoria

prior to fabrication.

Overlaminate: 3M 8914, Avery DOL 6060 or equivalent.

or equivalent (first surface)





General note: Manufacturer to confirm all dimensions prior to fabrication.

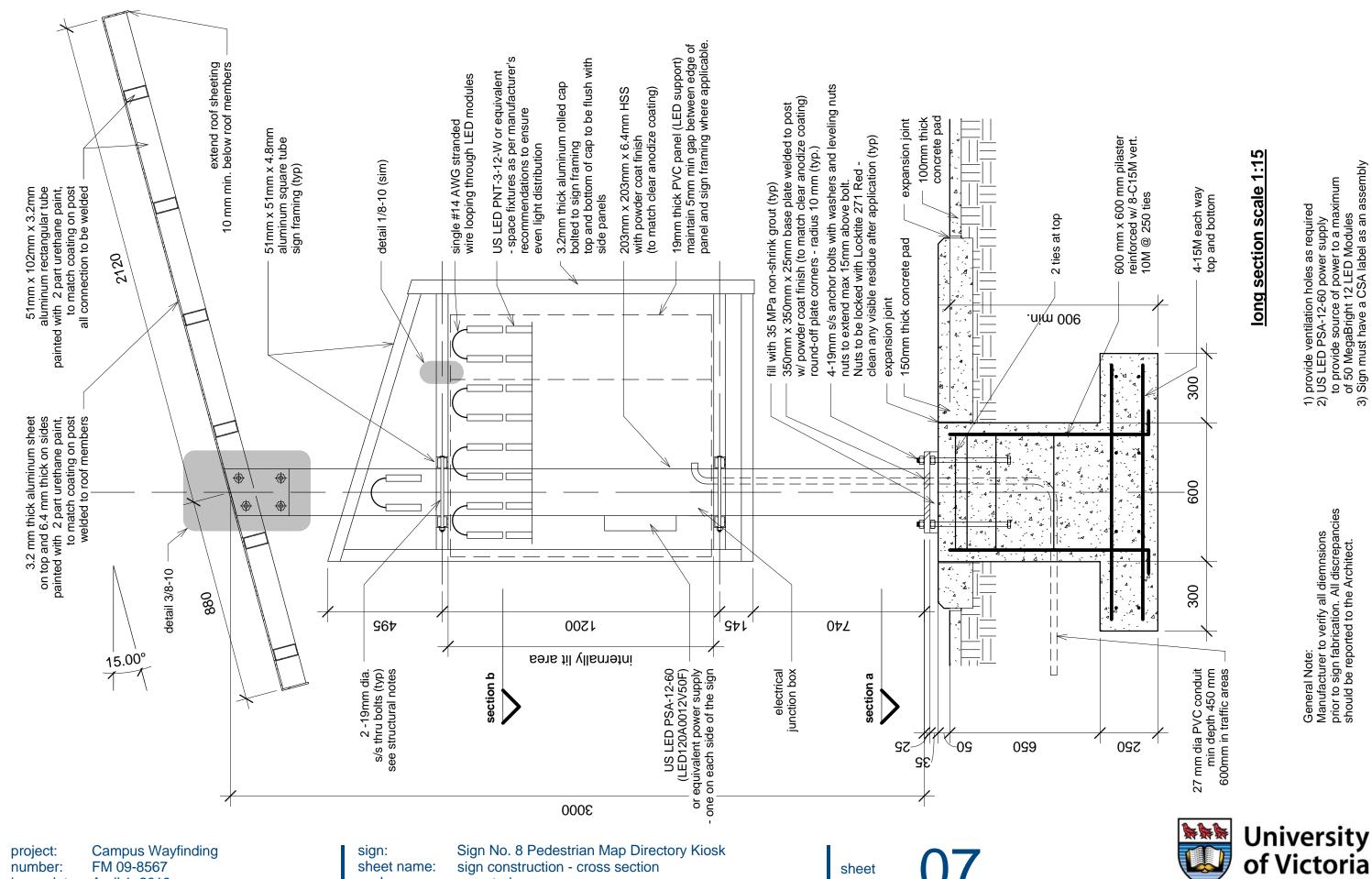
project: Campus Wayfinding number: FM 09-8567

number: FM 09-8567 issue date: April 1, 2019

sign: Sign No. 8 Pedestrian Map Directory Kiosk sheet name: sign design - graphic design details cont. as noted

sheet number: 06





number: FM 09-8567 issue date: April 1, 2019

sheet name:

scale:

sign construction - cross section

as noted

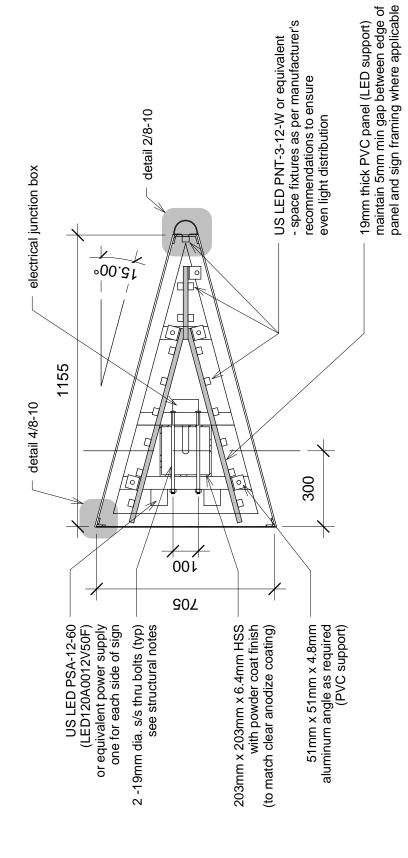
sheet

provide ventilation holes as required
 US LED PSA-12-60 power supply to provide source of power to a maximum of 50 MegaBright 12 LED Modules
 Sign must have a CSA label as an assembly

General Note: Manufacturer to verify all diemnsions prior to sign fabrication. All discrepancies should be reported to the Architect.

600mm x 600mm concrete post 150mm thick min. concrete pad 15.00° round-off plate corners radius to be 10 mm (typ.) 25mm chamfered edge outline of sign cabinet 1200mm x 1200mm expansion joint 1115 (a) 50 0 8 450 32 350mm x 350mm x 25mm base plate welded to post w/ powder coat finish (to match clear anodize coating) round-off plate corners - radius 10 mm (typ.) 203mm x 203mm x 6.4mm HSS with powder coat finish (to match clear anodize coating) 4-19mm s/s anchor bolts with washers and leveling nuts (typ ΕØ ΕØ 1000

section a scale 1:15



section b scale 1:15

University of Victoria

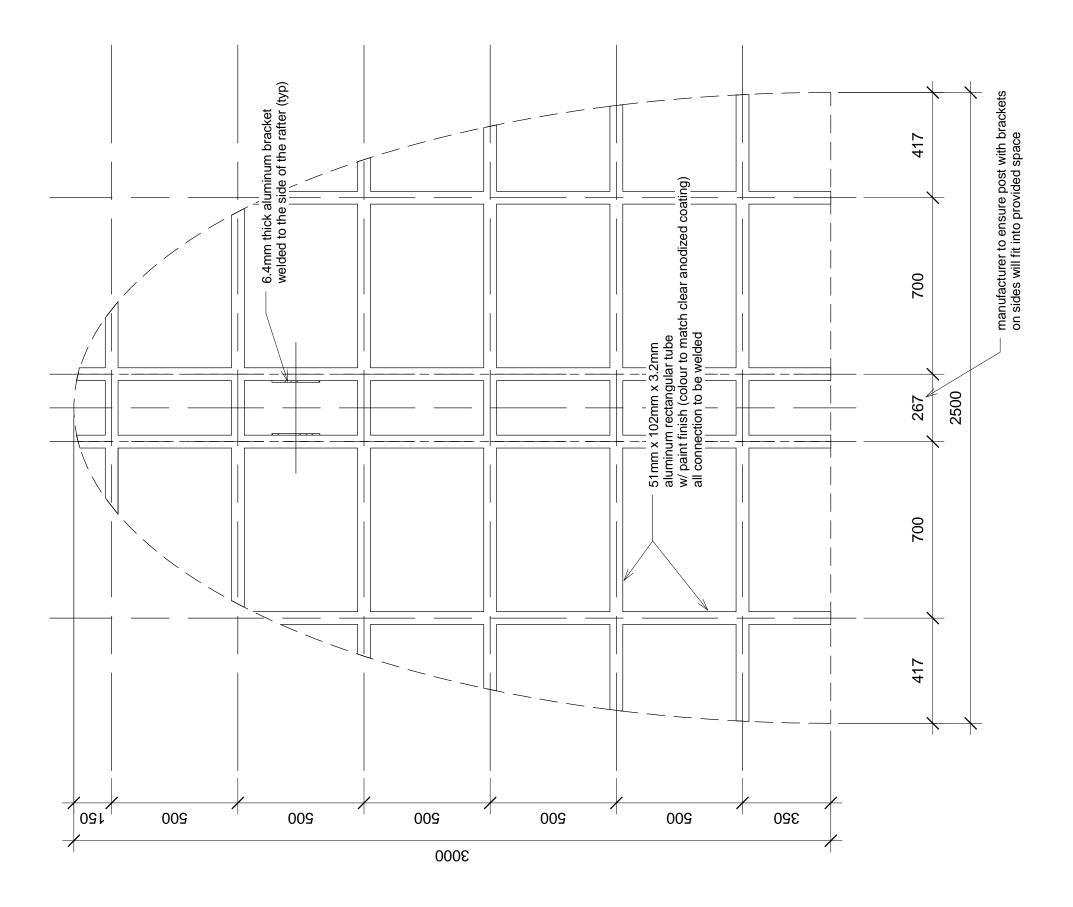
General Note: Manufacturer to verify all diemnsions prior to sign fabrication. All discrepancies should be reported to the Architect.

sheet

project: Campus Wayfinding number: FM 09-8567 issue date: April 1, 2019

sheet name: scale:

Sign No. 8 Pedestrian Map Directory Kiosk sign construction - section plans as noted



roof (paint finish option) plan scale 1:15

General Note: Manufacturer to verify all diemnsions prior to sign fabrication. All discrepancies should be reported to the Architect.

University of Victoria

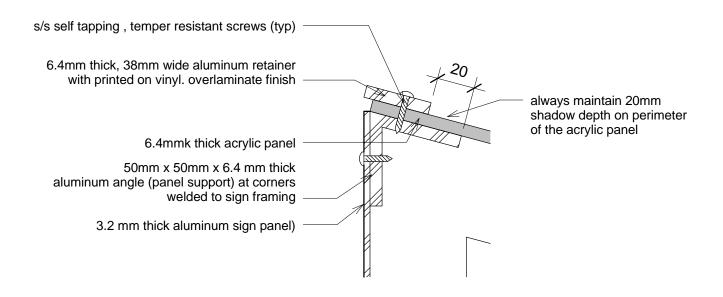
project: Campus Wayfinding number: FM 09-8567 issue date: April 1, 2019

sign: sheet name: scale:

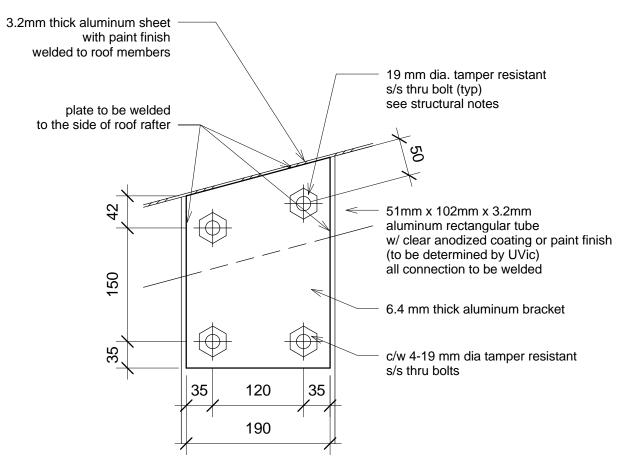
Sign No. 8 Pedestrian Map Directory Kiosk sign construction - painted canopy plan and details as noted





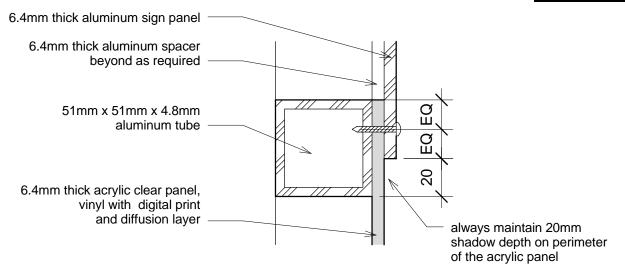


detail 4 scale 1:2



detail 3 scale 1:5

s/s self tapping 6.4 mm thick custom made aluminum profile tamper resistant screws (typ) (panel support) as required - welded to sign framing 51mm x 51mm x 4.8mm aluminum square tube below R 55 3.2mm thick aluminum profile with top an bottom caps and print-on vinyl/overlaminate finish to be welded to sign framing, always maintain 20mm shadow depth on perimeter of the acrylic panel detail 2 scale 1:2



detail 1 scale 1:2

General Note: Manufacturer to verify all diemnsions prior to sign fabrication. All discrepancies should be reported to the Architect.

project: Campus Wayfinding

number: FM 09-8567 issue date: April 1, 2019

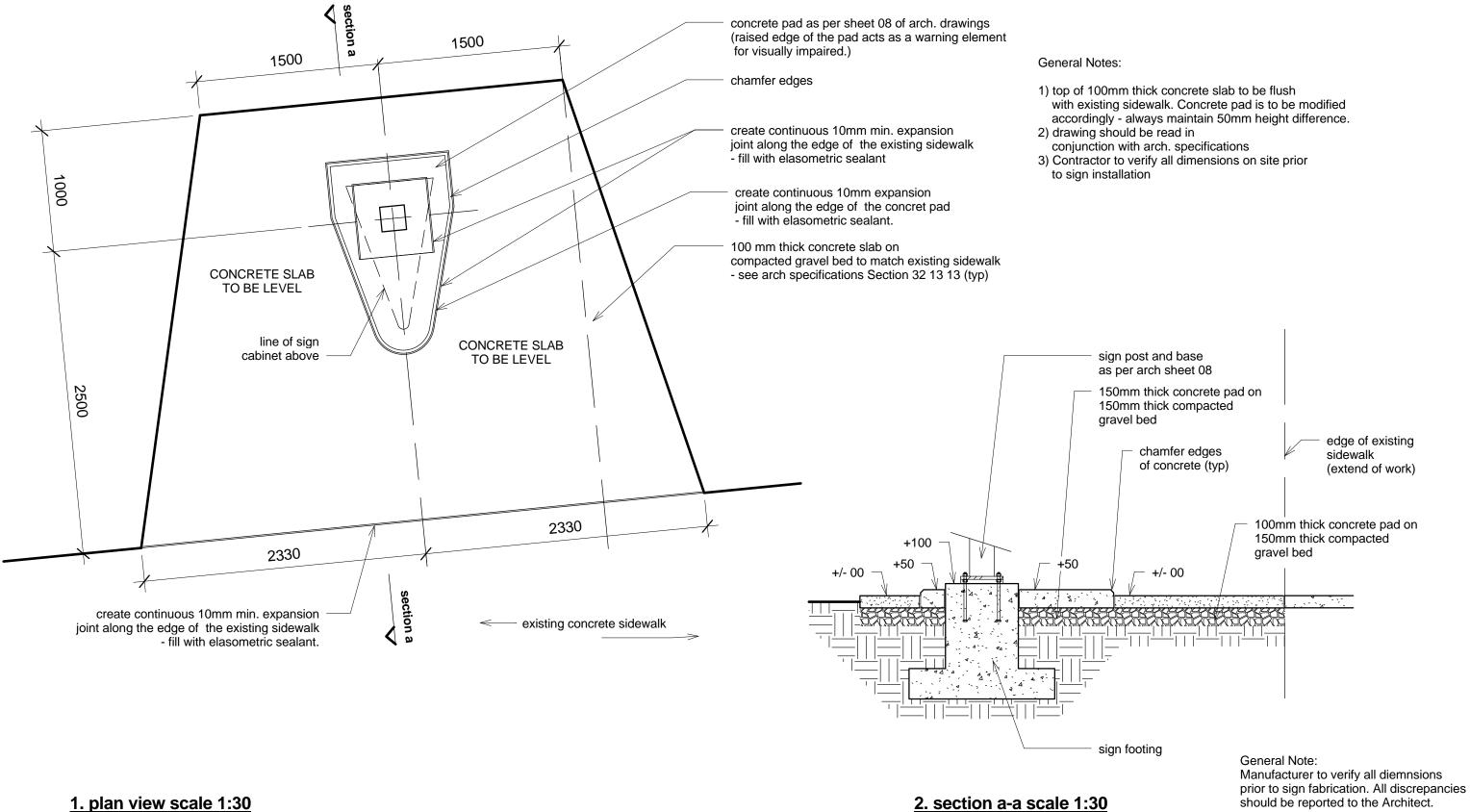
sign: Sign No. 8 Pedestrian Map Directory Kiosk

sheet name: sign construction - details

scale: as noted







1. plan view scale 1:30

Sign No. 8 Pedestrian Map Directory Kiosk sign:

typical concrete slab sheet name: scale: as noted

sheet number:



should be reported to the Architect.

Campus Wayfinding project: FM 09-8567 number: issue date: April 1, 2019

GENERAL NOTES

- 1. Provide self adhesive sign ID stickers. ID's should correspond with ID's shown on location plan Form and placement of stickers on signs is to be coordinated with University of Victoria
- 2. Fasteners:

foundation (anchor bolts):

bolts: Fastenal part #47349 (3/4" s/s threaded)

washers: Fastenal part #71027 (3/4" s/s wahers)

nuts: Fastenal part #70717 (3/4" s/s nuts)

panels

security screws panel attachment: Fastenal part #BS0160024SSH200 (10-24 x 3/4" button head security screw)

- 3. Whenever anchor bolts are cut, contractor to ensure cut surfaces (terminated coating) are protected against rusting.
- 4. Manufacturer to verify all diemnsions prior to sign fabrication. All discrepancies should be reported to the Architect.

STRUCTURAL NOTES

DRAWINGS

- 1. These drawings show the completed project. The drawings do not show components that may be necessary for construction safety, which is the responsibility of the contractor.
- 2. The use of these drawings is limited to that indicated in the revisions column.
- 3. The information on these drawings shall not be used for any other project or works.

DESIGN

- 1. The structures shown have been designed in substantial accordance with the British Columbia Building Code 2006, which is based on the National Building Code of Canada 2005.
- 2. The following wind loads and factors were used: q50=0.63kPa, lw=1.0-ULS, 0.75-SLS.

FIELD REVIEW BY STRUCTURAL ENGINEER

1. Structural Engineer provides field review only for the work shown on these structural drawings, and it is conducted with such frequency as Structural Engineer deems appropriate to ascertain that the work is in general conformance with the documents prepared by Structural Engineer.

Field review by Structural Engineer is not carried out for the Contractor's benefit, nor does it make Structural Engineer guarantors of the Contractor's work. It remains the Contractor's responsibility to build the work in conformance with the contract documents. Structural Engineer shall not be responsible for the acts or omissions of the Contractor, Sub-Contractor, or any other persons performing any of the work or for the failure of any of them to carry out the work in accordance with the contract documents.

- 2. Provide 24 hours advance notice of each required field review. Field reviews shall be scheduled to be carried out during normal business hours unless special arrangements are made with the Structural Engineer.
- 3. The work to be reviewed shall be generally complete.

CONCRETE AND REINFORCING STEEL

- 1. Concrete work shall conform to CAN/CSA-A23.1, CAN/CSA -A23.2, CAN/CSA -A23.3 and referenced documents.
- 2. Reinforcing shall conform to CAN/CSA-G30.18R Grade 400MPa.
- 3. Cover to reinforcing steel to be 50mm uno.
- 4. Portland cement shall be type gu unless noted otherwise.
- 5. Concrete shall have a unit weight of 23±1 kn/m3/ (145±5 pcf) unless noted otherwise.

sign: Sign No. 8 Pedestrian Map Directory Kiosk

project: Campus Wayfinding sign: Sign No. 8 Per number: FM 09-8567 sheet name: general notes issue date: April 1, 2019 scale: as noted

STRUCTURAL NOTES (cont)

- 6. Concrete shall have a compressive strength of 35MPa at 28 days, and conform to exposure class C-1 with a maximum water-cement ratio of 0.40 and air content of 5-8%. Maximum aggregate size to be 19mm.
- 7. No calcium chloride is permitted, in any form, in any concrete mix. Curing and protection of concrete for hot, cold or dry weather is to be as per clauses 7.4.1.8 and 7.4.2 of CAN/CSA.

STRUCTURAL ALUMINUM

- 1. Aluminum sections shall be new.
- 2. Aluminum alloys shall conform to the Aluminum Association publication Aluminum Standards and Data ISO 6361-2 or ISO 6362-2.
- 3. Extruded shapes, Tubes, Bolts, and Plate to be 6061 alloy uno.
- 4. Aluminum in contact with concrete or grout shall be given a heavy coat of alkali-resistant bituminous paint or other equivalent coating before installation.
- 5. Welding operators and procedures shall be qualified according to CSA W47.2.
- 6. Submit shop drawings for review prior to start of steel fabrication.
- 7. Fabrication practices and tolerances shall be in accordance with CAN/CSA-S16, except bolt holed edge distance tolerance to be -0, +2mm.
- 8. Anchor and connection bolts to be ASTM A193 Stainless Steel. Anchors shall be embedded 300mm into concrete, complete with a nut and washer each end.
- 9. Unless noted otherwise, column base plates shall be 20 mm minimum thick. Anchor bolt holes shall be punched undersize and reamed to size.
- 10. Provide 6 mm cap plates for all tube members uno.
- 11. Aluminum shall be connected with fillet welds all-around uno. Weld size shall match the wall thickness of the thinnest part being connected uno. Welds to be ground smooth.

TAMPER RESISTANCE AND CONNECTIONS

- 1. Connection hardware to be stainless steel uno.
- 2. Aluminum panels to be connected to structure with 6.4mm diameter stainless steel self-tapping screws at 450mm maximum centre to centre spacing.
- 3. Non-removable panels may be welded or glued by the manufacturer, as approved by Structural Engineer.
- 4. Panel connection screws to be tamper resistant "Torx-Pin" screws as supplied by O.E.M. Hardware of Surrey BC, or equivalent as approved by Structural Engineer.
- 5. Visible connection bolts shall be "Pentagon" tamper resistant bolts, with "Pentagon" nuts as supplied by O.E.M. Hardware of Surrey BC, or equivalent as approved by Structural Engineer. Anchor bolts to be secured with "Pentagon" security nuts.

ELECTRICAL NOTES

- 1. Signs must be provided with CSA label
- 2. LED modules, power supplies, cable, wire and junction box must be integral with signs
- 3. All electrical installations to be done in accordance with the Canadian Electrical Code and as reccomended by the LED lighting manufacturer.
- 4. Run 2#8 +GND conductors in 27mm PVC conduit from sign to existing campus exterior lighting pole standard. Intercept existing underground conduit, install an H20 rated flush junction box with bolt-on cover and splice into exterior lighting circuit.
- 4. The sign manufacturer shall provide an electrical shop drawings indicating input power requirements and a schematic wiring diagram for the sign.



sheet number:

Sheet List	
Sheet Number	Sheet Name

01	title sheet and drawing list
02	typography, colours and pictograms
03	sign design - overview
04	sign design - graphic design details
05	sign construction - section
06	sign construction - plans and sections
07	sign construction - details
08	sign construction - push thru pictogram
09	general notes

Campus Wayfinding

FM 09-8567

issue date: April 1, 2019

project:

number:

Sign No. 9 - Major Directional title sheet and drawing list sheet name: as noted



Sign No. 9 Pedestrian - Major Directional



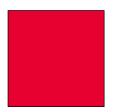
sheet

scale:

core colours



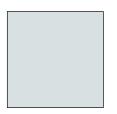
clear anodized coating application: sign structure



PANTONE 185 C application: pinstrip, arrows



PANTONE 426 C application: text, crest - monochromatic



PANTEONE 7541 C application: background



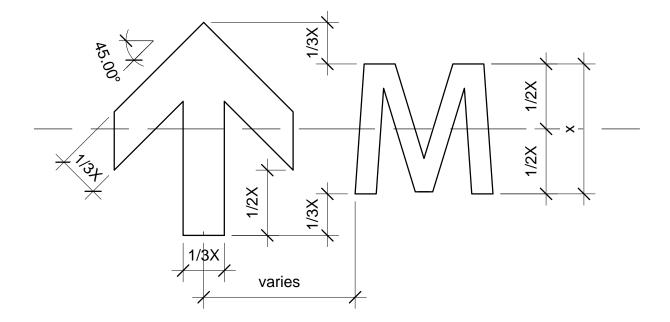
gary oak motif - digital file is to be delivered by University of Victoria

samples of typeface family

Myriad Pro Semi Bold

ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 1234567890

arrow style and arrow size in relation to text height



University of Victoria Logo, horizontal standard





full colour

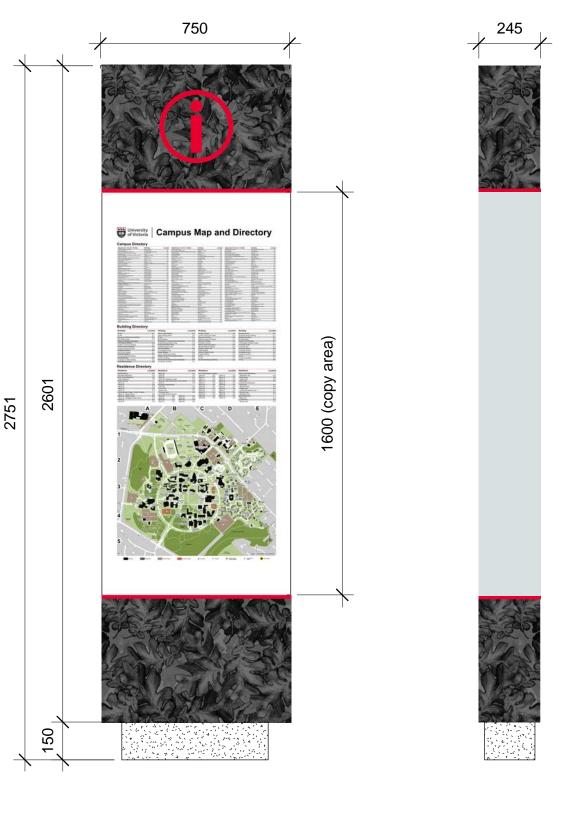
reverse monochromatic - shown against background for clarity

project: Campus Wayfinding number: FM 09-8567 issue date: April 1, 2019

sign: sheet name: scale: Sign No. 9 - Major Directional typography, colours and pictograms as noted

sheet number 02









General Note:
Where applicable, provide 6.4mm thick aluminum spacer under aluminum sign panels to make up for acrylic panel thickness see also detail 3/9-07

<u>back</u> <u>side</u> <u>front</u> <u>side</u> <u>scale 1:15</u>

project: Campus Wayfinding number: FM 09-8567 issue date: April 1, 2019

sign: sheet name: scale: Sign No. 9 - Major Directional sign design - overview as noted

sheet number:



Digitally printed vinyl protected with anti-graffiti, optically clear overlaminate. Aluminum panel size: 283 mm x 744 mm x 3.2 mm

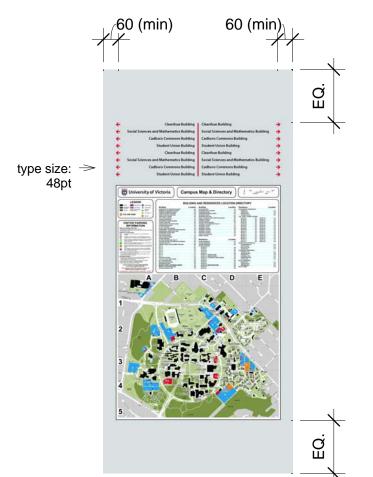


Digitally printed vinyl protected with anti-graffiti, optically clear overlaminate. Aluminum panel size: 270 mm x 506 mm x 3.2 mm





Digitally printed vinyl protected with anti-graffiti, optically clear overlaminate. 19mm thick acrylic push-thru pictogram - see dwg 08 for details. Aluminum panel size: 744 mm x 506 mm x 6.4 mm





Digitally printed vinyl protected with anti-graffiti, optically clear overlaminate. For aluminum panel size see sign construction drawings

6.4 mm thick non-glare clear acrylic panel





Non-glare clear acrylic:

Plaskolite OPTIX Abrasion Resistant Non-Glare or equivalent.

Clear acrylic (pictograms): Plaskolite OPTIX, Chemcast GP or equivalent

First surface prints:

Vinyl: 3M IJ180, MPI 2005 or equivalent Overlaminate: 3M 8914, Avery DOL 6060 or equivalent.

2nd surface prints:

5)

CAV-50 reverse print - i/w/i (2nd surface) Overlaminate: 3M 8914, Avery DOL 6060

or equivalent (first surface)

1) Vinyl to be printed on, installed as per manufacturer's recommendations.

2) Use compatible UV inks and overlaminates

as recommended by manufacturer

3) Where applicable wrap vinyl and

overlaminate over the edges of the alu. panel. 4) All panels to be mechanically festened to

substrate.

Directory map shown for reference only. directory map with all associated texts and

pictograms to be provided in digital

by University of Victoria

6) Manufacturer to confirm all dimensions

prior to fabrication.

7) Manufacturer to ensure watertightness of

panel conenctions.

Refer to Adobe Photoshop files for detailed sample layout

Digitally printed vinyl protected with anti-graffiti, optically clear overlaminate. Aluminum panel size: 744 mm x 506 mm x 6.4 mm

pin strip to be 15 mm wide (typ)

Digitally printed vinyl protected with anti-graffiti, optically clear overlaminate. Aluminum panel size: 270 mm x 506 mm x 3.2 mm



sides

scale 1:15 front

project: Campus Wayfinding

FM 09-8567 number: issue date: April 1, 2019

sign: sheet name: scale:

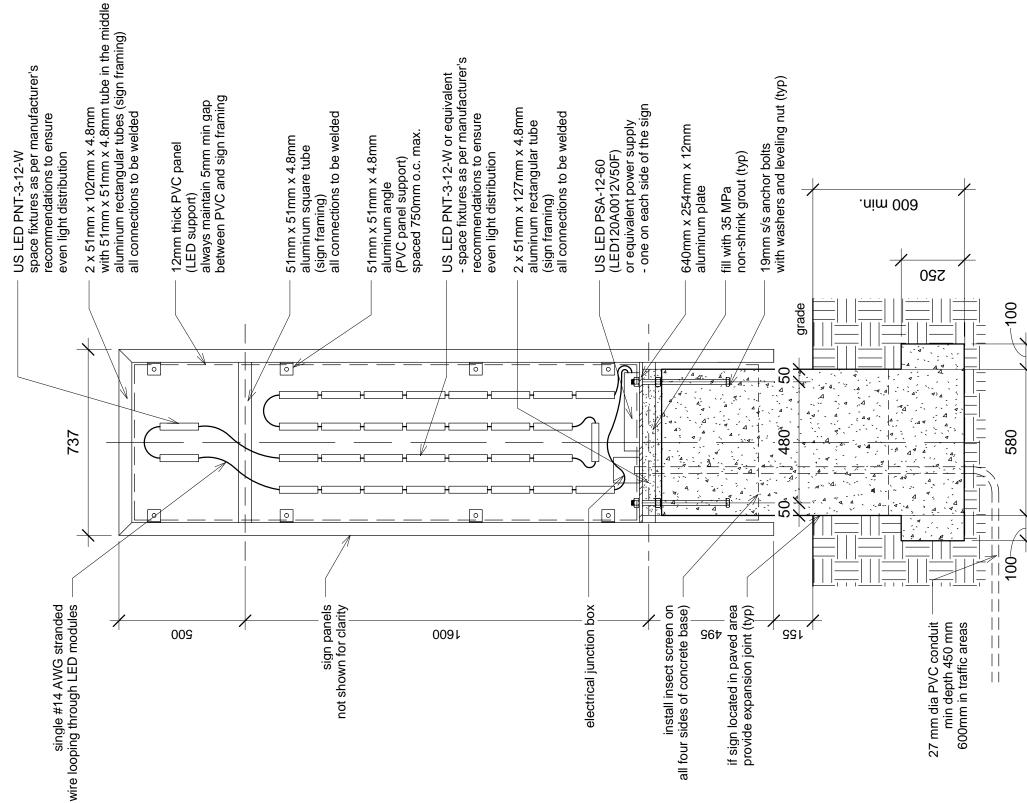
Sign No. 9 - Major Directional sign design - graphic design details

as noted

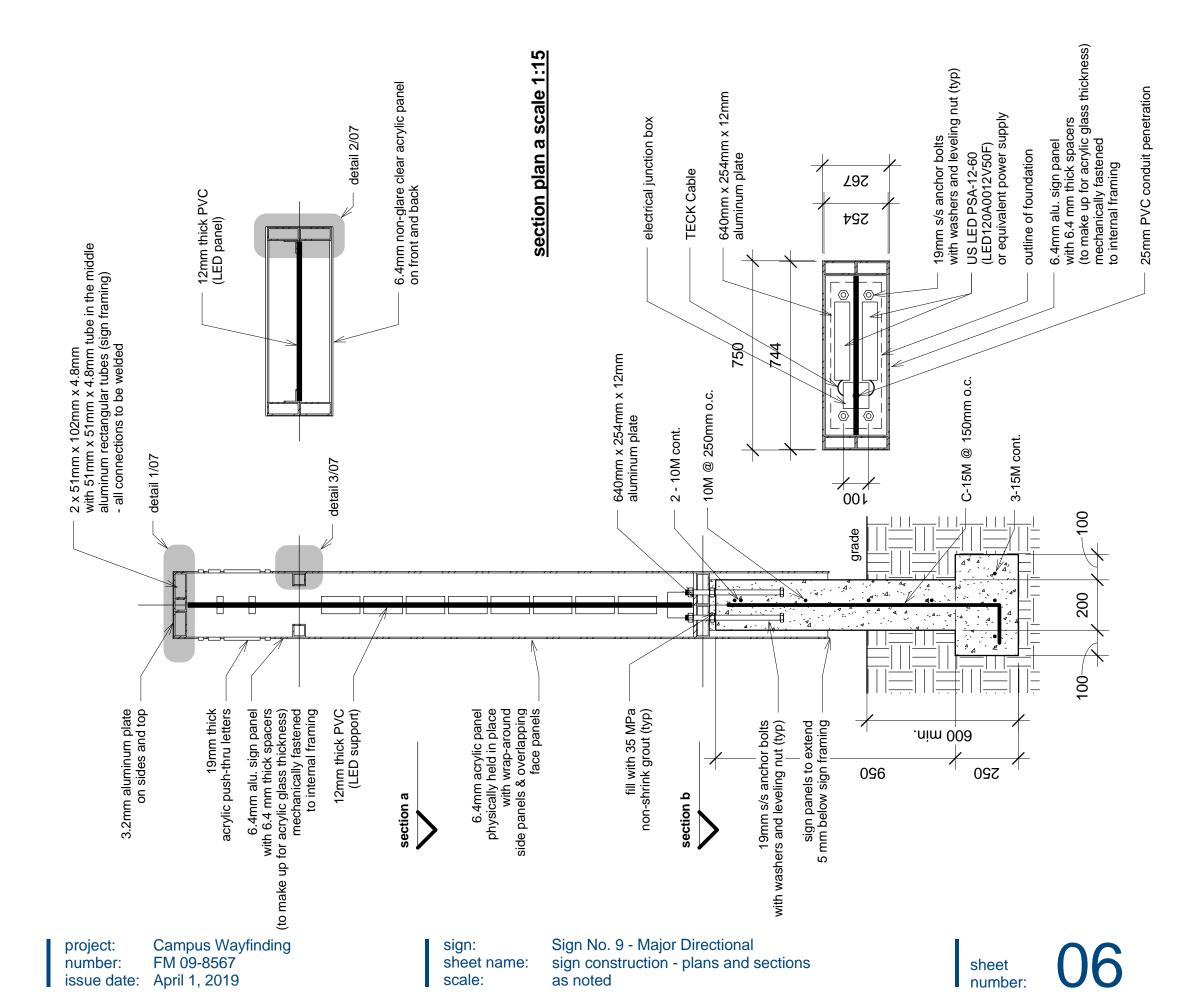
sheet







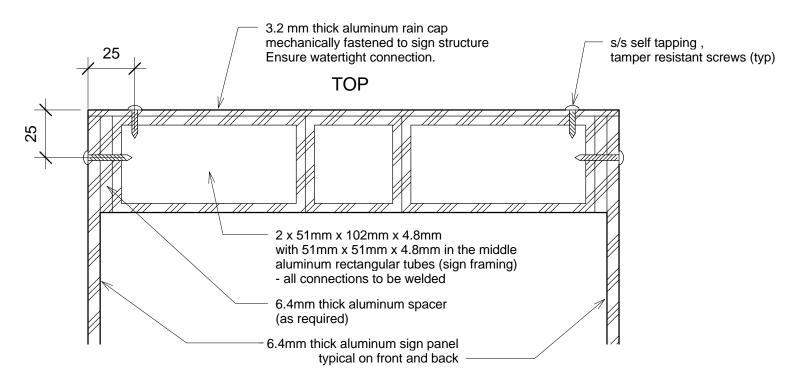
General Note: Manufacturer to verify all diemnsions prior to sign fabrication. All discrepancies should be reported to the Architect.



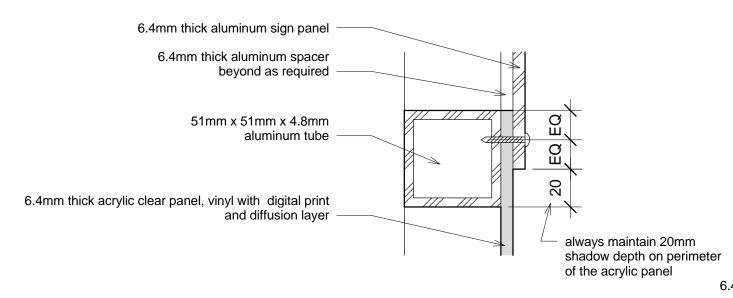


section plan b scale 1:15





detail 1 scale 1:2



General Note: Manufacturer to verify all diemnsions prior to sign fabrication. All discrepancies should be reported to the Architect.

3.2 mm thick aluminum panel 6 mm dia. s/s thru bolt (typ) 12mm thick PVC (LED support) SIDE **US LED PN-3-12-W** or equivalent 51mm x 51mm x 4.8mm aluminum square tube beyond (sign framing) 38 20 6.4 mm thick 6.4mm thick acrylic clear panel, vinyl with digital print aluminum retainer and diffusion layer always maintain 20mm deep shadow **BACK**

FRONT

20

detail 3 scale 1:2

project: Campus Wayfinding number: FM 09-8567

number: FM 09-8567 issue date: April 1, 2019

sign: Sign No. 9 - Major Directional sign construction - details

scale: as noted



s/s self tapping, tamper resistant screws (typ)

51mm x 51mm x 4.8mm aluminum square tube beyond

vinyl with digital print and diffusion layer

(sign framing)

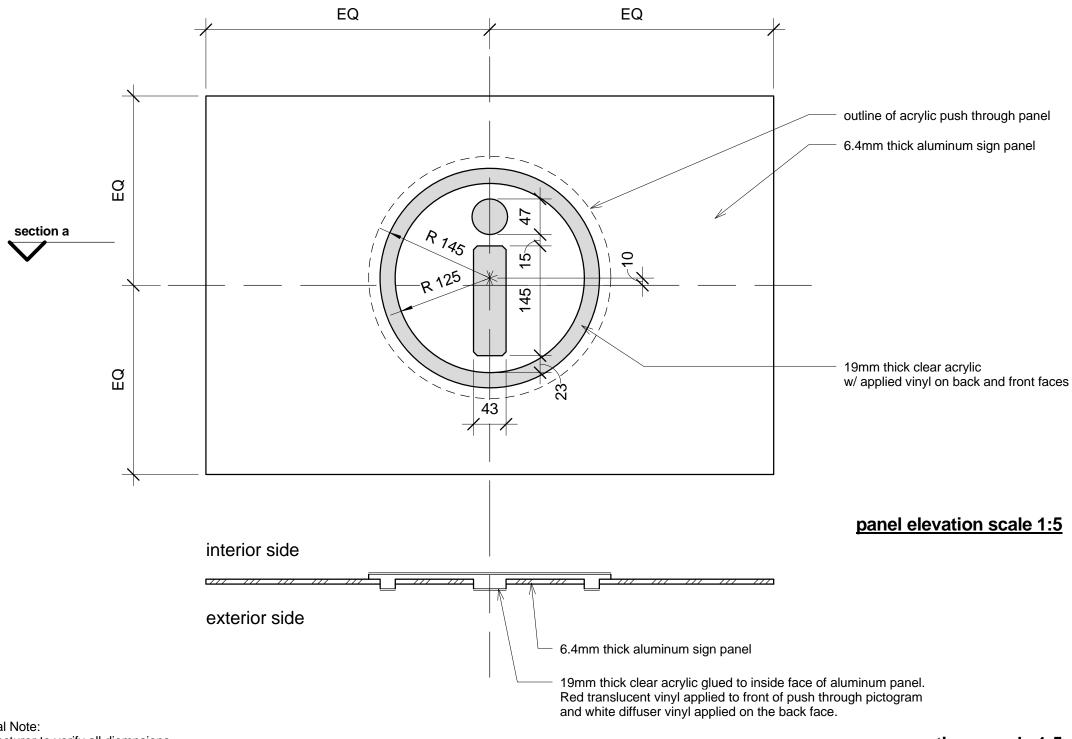
6.4mm thick acrylic clear panel,



6.4 mm thick

38

aluminum retainer



General Note: Manufacturer to verify all diemnsions prior to sign fabrication. All discrepancies should be reported to the Architect.

section a scale 1:5

project: Campus Wayfinding

number: FM 09-8567 issue date: April 1, 2019

sign: sheet name:

Sign No. 9 - Major Directional sign construction - push thru pictogram

scale: as noted

sheet numbe





GENERAL NOTES

- 1. Provide self adhesive sign ID stickers. ID's should correspond with ID's shown on location plan Form and placement of stickers on signs is to be coordinated with University of Victoria
- 2. Fasteners:

foundation (anchor bolts):

bolts: Fastenal part #47349 (3/4" s/s threaded)

washers: Fastenal part #71027 (3/4" s/s wahers) nuts: Fastenal part #70717 (3/4" s/s nuts)

panels:

security screws panel attachment: Fastenal part #BS0160024SSH200 (10-24 x 3/4" button head security screw)

- 3. Whenever anchor bolts are cut, contractor to ensure cut surfaces (terminated coating) are protected against rusting.
- 4. Manufacturer to verify all diemnsions prior to sign fabrication. All discrepancies should be reported to the Architect.

STRUCTURAL NOTES

DRAWINGS

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DESIGN

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- 3. The work to be reviewed shall be generally complete.

CONCRETE AND REINFORCING STEEL

- 1. Concrete work shall conform to CAN/CSA-A23.1, CAN/CSA -A23.2, CAN/CSA -A23.3 and referenced documents.
- 2. Reinforcing shall conform to CAN/CSA-G30.18R Grade 400MPa.
- 3. Cover to reinforcing steel to be 50mm uno.
- 4. Portland cement shall be type gu unless noted otherwise.
- 5. Concrete shall have a unit weight of 23±1 kn/m3/ (145±5 pcf) unless noted otherwise.

Sign No. 9 - Major Directional

project: Campus Wayfinding FM 09-8567 general notes number: sheet name: issue date: April 1, 2019 scale: as noted

STRUCTURAL NOTES (cont)

- 6. Concrete shall have a compressive strength of 35MPa at 28 days, and conform to exposure class C-1 with a maximum water-cement ratio of 0.40 and air content of 5-8%. Maximum aggregate size to be 19mm.
- 7. No calcium chloride is permitted, in any form, in any concrete mix. Curing and protection of concrete for hot, cold or dry weather is to be as per clauses 7.4.1.8 and 7.4.2 of CAN/CSA.

STRUCTURAL ALUMINUM

- 1. Aluminum sections shall be new.
- 2. Aluminum alloys shall conform to the Aluminum Association publication Aluminum Standards and Data ISO 6361-2 or ISO 6362-2.
- 3. Extruded shapes, Tubes, Bolts, and Plate to be 6061 alloy uno.
- 4. Aluminum in contact with concrete or grout shall be given a heavy coat of alkali-resistant bituminous paint or other equivalent coating before installation.
- 5. Welding operators and procedures shall be qualified according to CSA W47.2.
- 6. Submit shop drawings for review prior to start of steel fabrication.
- 7. Fabrication practices and tolerances shall be in accordance with CAN/CSA-S16, except bolt holed edge distance tolerance to be -0, +2mm.
- 8. Anchor and connection bolts to be ASTM A193 Stainless Steel. Anchors shall be embedded 300mm into concrete, complete with a nut and washer each end.
- 9. Unless noted otherwise, column base plates shall be 20 mm minimum thick. Anchor bolt holes shall be punched undersize and reamed to size.
- 10. Provide 6 mm cap plates for all tube members uno.
- 11. Aluminum shall be connected with fillet welds all-around uno. Weld size shall match the wall thickness of the thinnest part being connected uno. Welds to be ground smooth.

TAMPER RESISTANCE AND CONNECTIONS

- 1. Connection hardware to be stainless steel uno.
- 2. Aluminum panels to be connected to structure with 6.4mm diameter stainless steel self-tapping screws at 450mm maximum centre to centre spacing.
- 3. Non-removable panels may be welded or glued by the manufacturer, as approved by Structural Engineer.
- 4. Panel connection screws to be tamper resistant "Torx-Pin" screws as supplied by O.E.M. Hardware of Surrey BC, or equivalent as approved by Structural Engineer.
- 5. Visible connection bolts shall be "Pentagon" tamper resistant bolts, with "Pentagon" nuts as supplied by O.E.M. Hardware of Surrey BC, or equivalent as approved by Structural Engineer. Anchor bolts to be secured with "Pentagon" security nuts.

ELECTRICAL NOTES

- 1. Signs must be provided with CSA label
- 2. LED modules, power supplies, cable, wire and junction box must be integral with signs
- 3. All electrical installations to be done in accordance with the Canadian Electrical Code and as reccomended by the LED lighting manufacturer.
- 4. Run 2#8 +GND conductors in 27mm PVC conduit from sign to existing campus exterior lighting pole standard. Intercept existing underground conduit, install an H20 rated flush junction box with bolt-on cover and splice into exterior lighting circuit.
- 4. The sign manufacturer shall provide an electrical shop drawings indicating input power requirements and a schematic wiring diagram for the sign.







Sheet List	
Sheet Number	Sheet Name

01	title sheet and drawing list
02	typography, colours and pictograms
03	sign design - overview
04	graphic design details
05	sign construction - sections
06	sign construction - details
07	general notes - structural

Sign No. 10 **Pedestrian - Intermediate Directional**

Campus Wayfinding project: FM 09-8567

number: issue date: April 1, 2019

Sign No. 10 - Intermediate Directional sign:

sheet name: title sheet and drawing list scale:

as noted

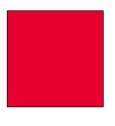
sheet



core colours



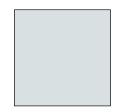
clear anodized coating



PANTONE 185 C pinstrip, arrows



PANTONE 426 C text



PANTEONE 7541 C background



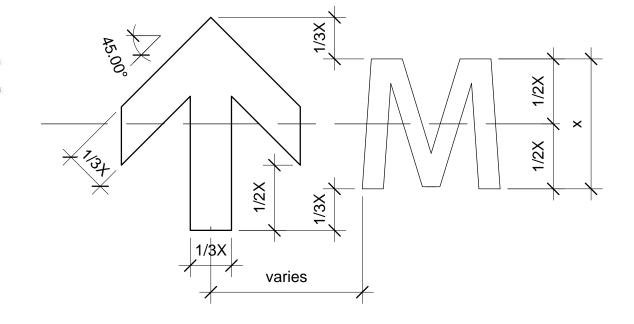
gary oak motif - digital file is to be delivered by University of Victoria

samples of typeface family

arrow style and arrow size in relation to text height

Myriad Pro Semi Bold

ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 1234567890



University of Victoria Logo, horizontal standard





full colour

reverse monochromatic - shown against backgroud for clarity

number:

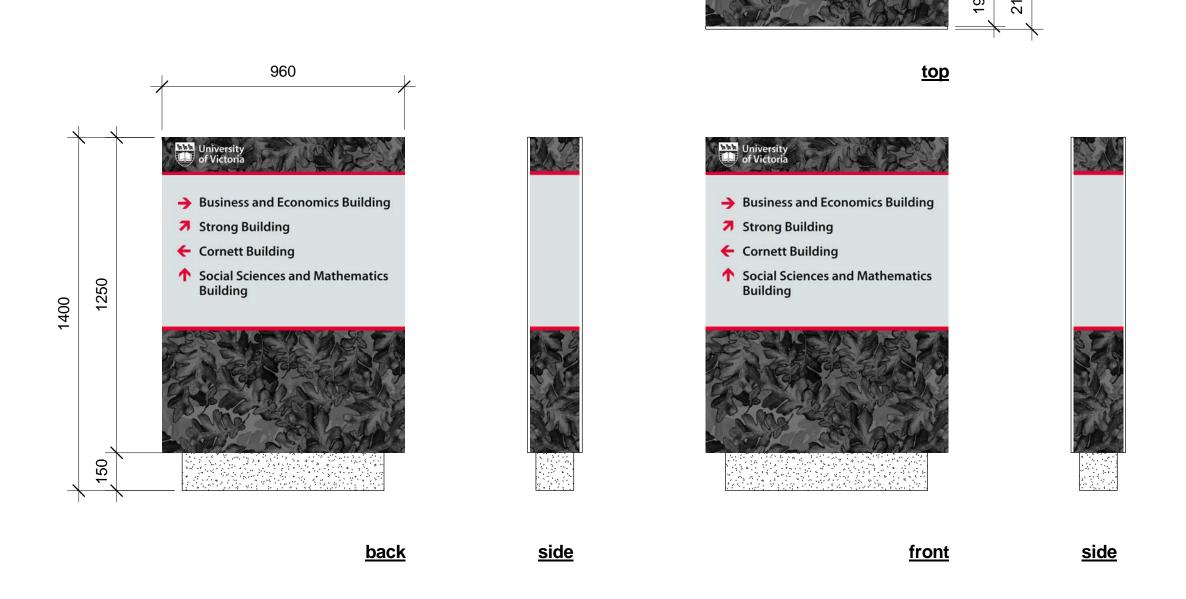
Campus Wayfinding FM 09-8567 issue date: April 1, 2019

sheet name: scale:

Sign No. 10 - Intermediate Directional typography, colours and pictograms as noted

sheet





scale 1:15

project: Campus Wayfinding number: FM 09-8567 issue date: April 1, 2019

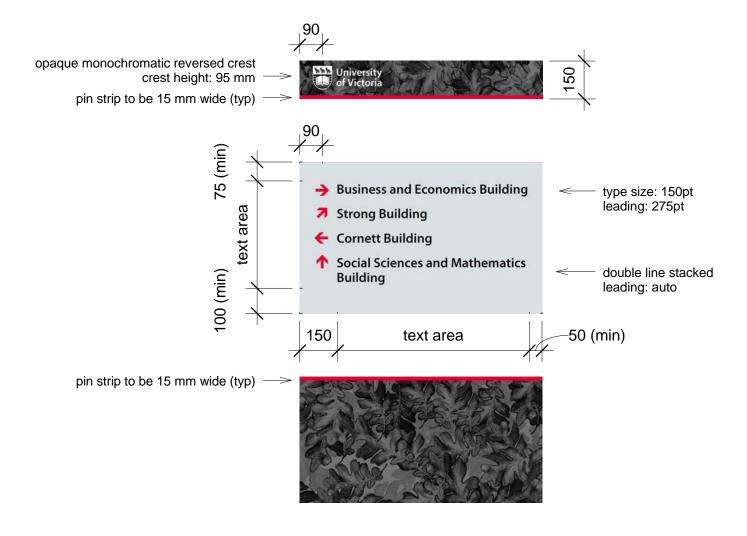
sign: Sign No. 10 - Intermediate Directional sheet name: sign design - overview

scale: as noted



sheet number:





scale 1:15

Sign No. 10 - Intermediate Directional

sheet name: graphic design details

scale: as noted

sign:

Description
Digitally printed vinyl protected with
anti-graffiti, optically clear overlaminate
Front/Back aluminum panel size (one piece): 960 mm x 1250 mm x 6.4 mm
Top Aluminum panel size (one piece): 194 mm x 960 mm x 3.2 mm
Side aluminum panle size (one piece): 194 mm x 1243.6 mm x 3.2 mm
See sheet 05 for details.

Vinyl: 3M IJ180, MPI 2005 or equivalent Overlaminate: 3M 8914, Avery DOL 6060 or equivalent.

1) One piece vinyl to be printed on, installed as per

manufacturer's recommendations.

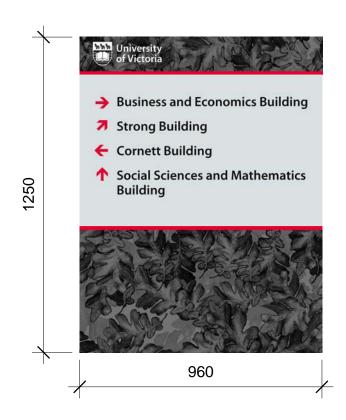
2) Use compatible UV inks and overlaminates

as recommended by manufacturer

3) Wrap vinyl and overlaminate over the edges

of the aluminum panels.

Refer to Adobe Photoshop files for detailed sample layout

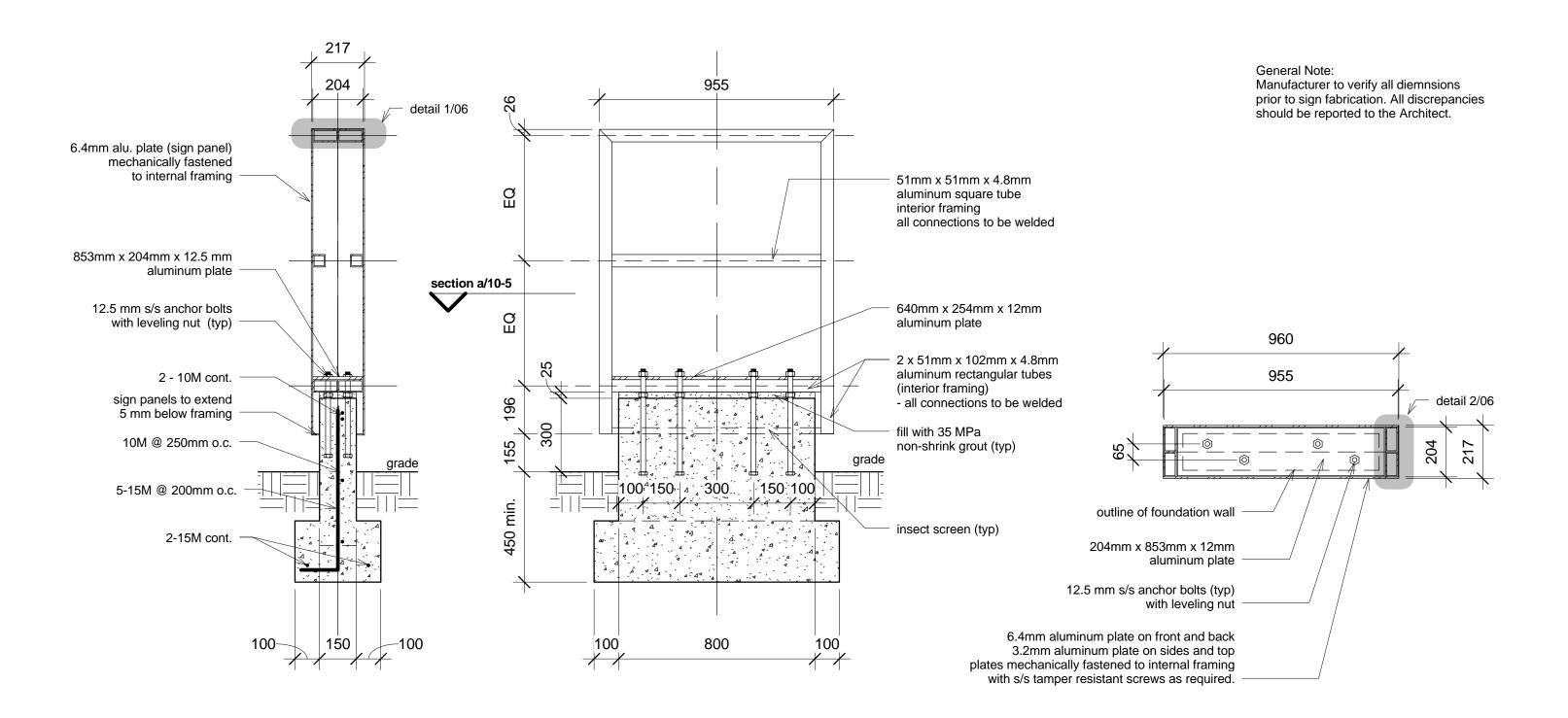


scale 1:15





issue date: April 1, 2019



<u>cross section scale 1:15</u> <u>long section scale 1:15</u> <u>plan section a scale 1:15</u>

project: Campus Wayfinding

number: FM 09-8567 issue date: April 1, 2019

sign: Sign No. 10 - Intermediate Directional

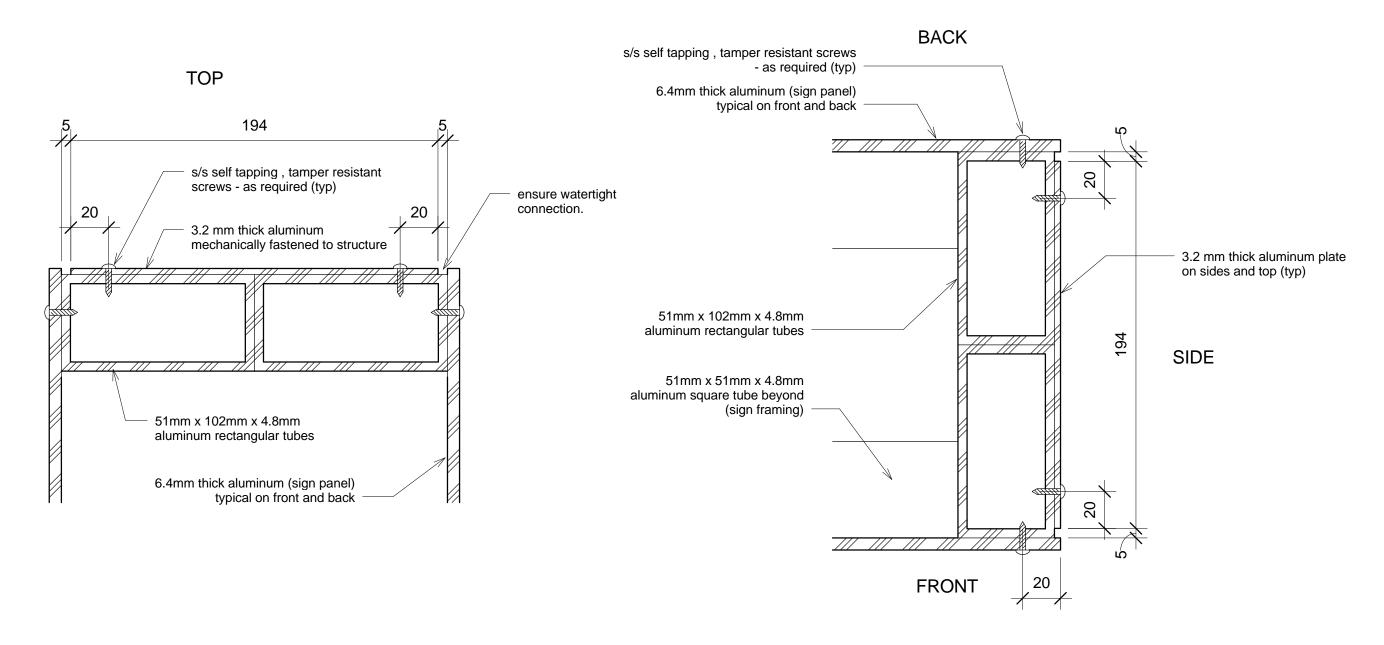
sheet name: sign construction - sections

scale: as noted

sheet







section detal 1 scale 1:2

General Note: Manufacturer to verify all diemnsions prior to sign fabrication. All discrepancies should be reported to the Architect. plan detal 2 scale 1:2

project: Campus Wayfinding number: FM 09-8567 issue date: April 1, 2019

sign: Sign No. 10 - Intermediate Directional sheet name: sign construction - details







GENERAL NOTES

- 1. Provide self adhesive sign ID stickers. ID's should correspond with ID's shown on location plan Form and placement of stickers on signs is to be coordinated with University of Victoria
- 2. Fasteners:

foundation (anchor bolts):

bolts: Fastenal part #47406 (1/2" s/s threaded rod)

washers: Fastenal part #71021 (1/2" s/s washers)

nuts: Fastenal part #70714 (1/2" s/s nuts)

security screws panel attachment: Fastenal part #BS0160024SSH200 (10-24 x 3/4" button head security screw)

- 3. Threadlocker: Locktite 271 Red
- 4. Whenever anchor bolts are cut, contractor to ensure cut surfaces (terminated coating) are protected against rusting.
- 5. Manufacturer to verify all diemnsions prior to sign fabrication. All discrepancies should be reported to the Architect.

STRUCTURAL NOTES

DRAWINGS

- 1. These drawings show the completed project. The drawings do not show components that may be necessary for construction safety, which is the responsibility of the contractor.
- 2. The use of these drawings is limited to that indicated in the revisions column.
- 3. The information on these drawings shall not be used for any other project or works.

DESIGN

- 1. The structures shown have been designed in substantial accordance with the British Columbia Building Code 2006, which is based on the National Building Code of Canada 2005.
- 2. The following wind loads and factors were used: q50=0.63kPa, lw=1.0-ULS, 0.75-SLS.

FIELD REVIEW BY STRUCTURAL ENGINEER

- 1. Structural Engineer provides field review only for the work shown on these structural drawings, and it is conducted with such frequency as Structural Engineer deems appropriate to ascertain that the work is in general conformance with the documents prepared by Structural Engineer.
- Field review by Structural Engineer is not carried out for the Contractor's benefit, nor does it make Structural Engineer guarantors of the Contractor's work. It remains the Contractor's responsibility to build the work in conformance with the contract documents. Structural Engineer shall not be responsible for the acts or omissions of the Contractor, Sub-Contractor, or any other persons performing any of the work or for the failure of any of them to carry out the work in accordance with the contract documents.
- 2. Provide 24 hours advance notice of each required field review. Field reviews shall be scheduled
- to be carried out during normal business hours unless special arrangements are made with Structural Engineer.
- 3. The work to be reviewed shall be generally complete.

STRUCTURAL NOTES (cont)

CONCRETE AND REINFORCING STEEL

- 1. Concrete work shall conform to CAN/CSA-A23.1, CAN/CSA -A23.2, CAN/CSA -A23.3 and referenced documents.
- 2. Reinforcing shall conform to CAN/CSA-G30.18R Grade 400MPa.
- 3. Cover to reinforcing steel to be 50mm uno.
- 4. Portland cement shall be type gu unless noted otherwise.
- 5. Concrete shall have a unit weight of 23±1 kn/m3/ (145±5 pcf) unless noted otherwise.
- 6. Concrete shall have a compressive strength of 35MPa at 28 days, and conform to exposure class
- C-1 with a maximum water-cement ratio of 0.40 and air content of 5-8%. Maximum aggregate
- 7. No calcium chloride is permitted, in any form, in any concrete mix. Curing and protection of concrete for hot, cold or dry weather is to be as per clauses 7.4.1.8 and 7.4.2 of CAN/CSA.

STRUCTURAL ALUMINUM

- 1. Aluminum sections shall be new.
- 2. Aluminum alloys shall conform to the Aluminum Association publication Aluminum Standards and Data ISO 6361-2 or ISO 6362-2.
- 3. Extruded shapes, Tubes, Bolts, and Plate to be 6061 alloy uno.
- 4. Aluminum in contact with concrete or grout shall be given a heavy coat of alkali-resistant bituminous paint or other equivalent coating before installation.
- 5. Welding operators and procedures shall be qualified according to CSA W47.2.
- 6. Submit shop drawings for review prior to start of steel fabrication.
- 7. Fabrication practices and tolerances shall be in accordance with CAN/CSA-S16, except bolt holed edge distance tolerance to be -0, +2mm.
- 8. Anchor and connection bolts to be ASTM A193 Stainless Steel. Anchors shall be embedded 300mm into concrete, complete with a nut and washer each end.
- 9. Unless noted otherwise, column base plates shall be 20 mm minimum thick. Anchor bolt holes shall be punched undersize and reamed to size.
- 10. Provide 6 mm cap plates for all tube members uno.
- 11. Aluminum shall be connected with fillet welds all-around uno. Weld size shall match the wall thickness of the thinnest part being connected uno. Welds to be ground smooth.

TAMPER RESISTANCE AND CONNECTIONS

- 1. Connection hardware to be stainless steel uno.
- 2. Aluminum panels to be connected to structure with 6.4mm diameter stainless steel self-tapping screws at 450mm maximum centre to centre spacing.
- 3. Non-removable panels may be welded or glued by the manufacturer, as approved by Structural Engineer.
- 4. Panel connection screws to be tamper resistant "Torx-Pin" screws as supplied by O.E.M.
- Hardware of Surrey BC, or equivalent as approved by Structural Engineer.
- 5. Visible connection bolts shall be "Pentagon" tamper resistant bolts, with "Pentagon" nuts as supplied by O.E.M. Hardware of Surrey BC, or equivalent as approved by Structural Engineer. Anchor bolts to be secured with "Pentagon" security nuts.





scale:

as noted

Sign No. 10 - Intermediate Directional

Sheet List	
Sheet Number	Sheet Name

01	title sheet and drawing list
02	typography, colours and pictograms
03	sign design/graphic design details
04	sign construction - sections and plans
05	general notes

project: Campus Wayfinding

number: FM 09-8567 issue date: April 1, 2019

sign: Sign No. 11 - Street Blade title sheet and drawing list



Sign No. 11 Pedestrian - Street Blade





core colours



clear anodized coating application: sign structure



PANTONE 185 C application: pinstrip, arrows



white application: text



PANTONE Cool Gray 11 C application: background



PANTONE Black 3 C application: background



PMS Black 3C black anodized application: blade body

samples of typeface family

Myriad Pro Semi Bold

ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 1234567890

project: Campus Wayfinding number: FM 09-8567 issue date: April 1, 2019

sign: sheet name: scale:

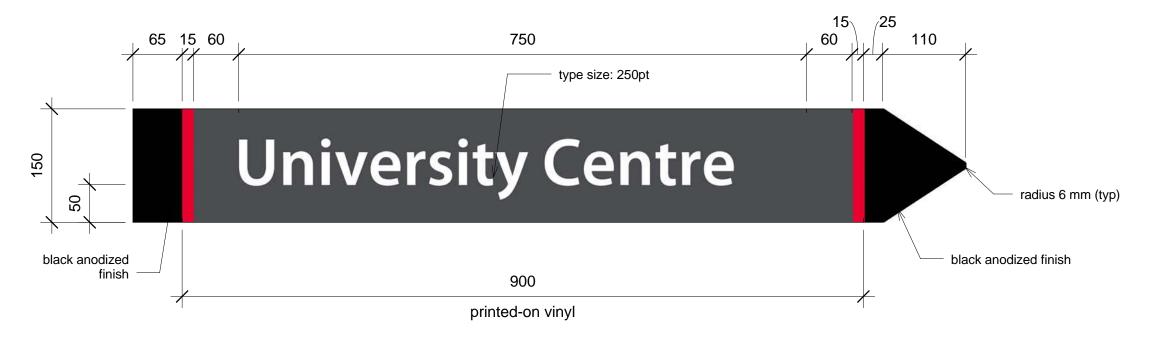
Sign No. 11 - Street Blade typography, colours and pictograms

as noted

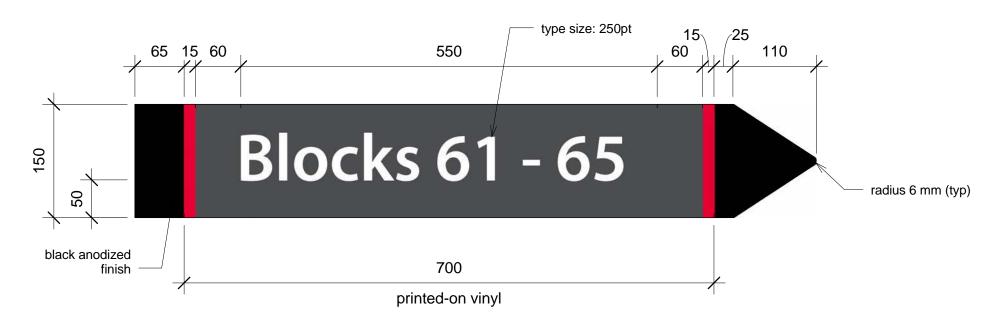
sheet number







blade type a (long) double sided scale 1:5



blade type b (short) double sided scale 1:5

Description
Digitally print

Digitally printed vinyl protected with anti-graffiti, optically clear overlaminate

Blade: black anodized aluminum

Vinyl: 3M IJ180, MPI 2005 or equivalent
Overlaminate: 3M 8914, Avery DOL 6060 or equivalent.

1) One piece vinyl to be printed on, installed as per

manufacturer's recommendations.

2) Use compatible UV inks and overlaminates

as recommended by manufacturer
3) Wrap vinyl and overlaminate over the edges

of the aluminum panel.

4) If long text message, then typeset should be scaled

down horizontally to fit in the provided space coordinate all cases with University of Victoria

Refer to Adobe Photoshop files for detailed sample layout

project: Campus Wayfinding number: FM 09-8567 issue date: April 1, 2019

sign: sheet name: scale: Sign No. 11 - Street Blade sign design/graphic design details as noted

sheet number:





project: Campus Wayfinding number: FM 09-8567

issue date: April 1, 2019

sign: Sign No. 11 - Street Blade sheet name: sign construction - sections and plans





GENERAL NOTES

- 1. Provide self adhesive sign ID stickers. ID's should correspond with ID's shown on location plan Form and placement of stickers on signs is to be coordinated with University of Victoria
- 2. Fasteners:

foundation (anchor bolts):

bolts: Fastenal part #47406 (1/2" s/s threaded rod) washers: Fastenal part #71021 (1/2" s/s washers) nuts: Fastenal part #70714 (1/2" s/s nuts)

bracket/posts:

thru bolts: Fastenal part #73815 (3/8" s/s x 1" button Socket cap screw)

- 3. Threadlocker: Locktite 271 Red
- 4. Whenever anchor bolts are cut, contractor to ensure cut surfaces (terminated coating) are protected against rusting.
- 5. Manufacturer to verify all diemnsions prior to sign fabrication. All discrepancies should be reported to the Architect.

STRUCTURAL NOTES

DRAWINGS

- 1. These drawings show the completed project. The drawings do not show components that may be necessary for construction safety, which is the responsibility of the contractor.
- 2. The use of these drawings is limited to that indicated in the revisions column.
- 3. The information on these drawings shall not be used for any other project or works.

DESIGN

- 1. The structures shown have been designed in substantial accordance with the British Columbia Building Code 2006, which is based on the National Building Code of Canada 2005.
- 2. The following wind loads and factors were used: q50=0.63kPa, Iw=1.0-ULS, 0.75-SLS.

FIELD REVIEW BY STRUCTURAL ENGINEER

1. Structural Engineer provides field review only for the work shown on these structural drawings, and it is conducted with such frequency as Structural Engineer deems appropriate to ascertain that the work is in general conformance with the documents prepared by Structural Engineer.

Field review by Structural Engineer is not carried out for the Contractor's benefit, nor does it make

Structural Engineer guarantors of the Contractor's work. It remains the Contractor's responsibility to build the work in conformance with the contract documents. Structural Engineer shall not be responsible for the acts or omissions of the Contractor, Sub-Contractor, or any other persons performing any of the work or for the failure of any of them to carry out the work in accordance with the contract documents.

- 2. Provide 24 hours advance notice of each required field review. Field reviews shall be scheduled to be carried out during normal business hours unless special arrangements are made with Structural Engineer.
- 3. The work to be reviewed shall be generally complete.

project: Campus Wayfinding sign: Sign No. 11 - Street Blade

number: FM 09-8567 sheet name: general notes issue date: April 1, 2019 scale: as noted

STRUCTURAL NOTES (cont)

CONCRETE AND REINFORCING STEEL

- 1. Concrete work shall conform to CAN/CSA-A23.1, CAN/CSA -A23.2, CAN/CSA -A23.3 and referenced documents.
- 2. Reinforcing shall conform to CAN/CSA-G30.18R Grade 400MPa.
- 3. Cover to reinforcing steel to be 50mm uno.
- 4. Portland cement shall be type gu unless noted otherwise.
- 5. Concrete shall have a unit weight of 23±1 kn/m3/ (145±5 pcf) unless noted otherwise.
- 6. Concrete shall have a compressive strength of 35MPa at 28 days, and conform to exposure class C-1 with a maximum water-cement ratio of 0.40 and air content of 5-8%. Maximum aggregate
- size to be 19mm.
- 7. No calcium chloride is permitted, in any form, in any concrete mix. Curing and protection of concrete for hot, cold or dry weather is to be as per clauses 7.4.1.8 and 7.4.2 of CAN/CSA.

STRUCTURAL ALUMINUM

- 1. Aluminum sections shall be new.
- 2. Aluminum alloys shall conform to the Aluminum Association publication Aluminum Standards and Data ISO 6361-2 or ISO 6362-2.
- 3. Extruded shapes, Tubes, Bolts, and Plate to be 6061 alloy uno.
- 4. Aluminum in contact with concrete or grout shall be given a heavy coat of alkali-resistant bituminous paint or other equivalent coating before installation.
- 5. Welding operators and procedures shall be qualified according to CSA W47.2.
- 6. Submit shop drawings for review prior to start of steel fabrication.
- 7. Fabrication practices and tolerances shall be in accordance with CAN/CSA-S16, except bolt holed edge distance tolerance to be -0, +2mm.
- 8. Anchor and connection bolts to be ASTM A193 Stainless Steel. Anchors shall be embedded 300mm into concrete, complete with a nut and washer each end.
- 9. Unless noted otherwise, column base plates shall be 20 mm minimum thick. Anchor bolt holes shall be punched undersize and reamed to size.
- 10. Provide 6 mm cap plates for all tube members uno.
- 11. Aluminum shall be connected with fillet welds all-around uno. Weld size shall match the wall thickness of the thinnest part being connected uno. Welds to be ground smooth.

TAMPER RESISTANCE AND CONNECTIONS

- 1. Connection hardware to be stainless steel uno.
- 2. Aluminum panels to be connected to structure with 6.4mm diameter stainless steel self-tapping screws at 450mm maximum centre to centre spacing.
- 3. Non-removable panels may be welded or glued by the manufacturer, as approved by Structural Engineer.
- 4. Panel connection screws to be tamper resistant "Torx-Pin" screws as supplied by O.E.M. Hardware of Surrey BC, or equivalent as approved by Structural Engineer.
- 5. Visible connection bolts shall be "Pentagon" tamper resistant bolts, with "Pentagon" nuts as supplied by O.E.M. Hardware of Surrey BC, or equivalent as approved by Structural Engineer. Anchor bolts to be secured with "Pentagon" security nuts.





Sheet List	
Sheet Number	Sheet Name

01	title sheet and drawing list
02	typography, colours and pictograms
03	sign design - overview
04	sign design - graphic design details
05	sign construction - sections
06	sign construction - details
07	general notes



Sign No. 12 Pedestrian - Minor Wayfinding A

project: Campus Wayfinding

number: FM 09-8567 issue date: April 1, 2019

sign: Sigr sheet name: title scale: as r

Sign No. 12 - Minor Wayfinding A title sheet and drawing list

as noted



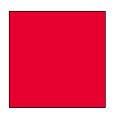




core colours



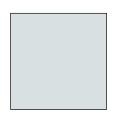
clear anodized coating application: sign structure



PANTONE 185 C application: pinstrip, arrows



PANTONE 426 C application: text, crest - monochromatic



PANTEONE 7541 C application: background, back panel (single sided sign)



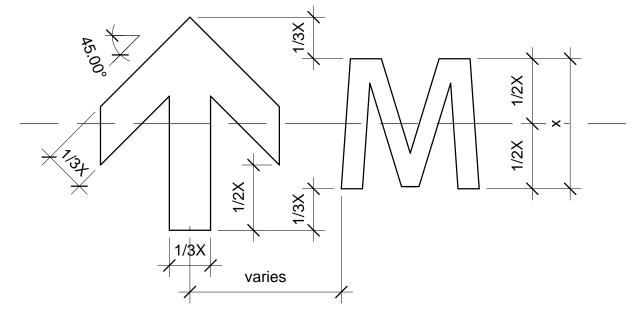
gary oak motif - digital file is to be delivered by University of Victoria

samples of typeface family

Myriad Pro Semi Bold

ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 1234567890

arrow style and arrow size in relation to text height



University of Victoria Logo, horizontal standard





full colour

reverse monochromatic - shown against background for clarity

project: number:

Campus Wayfinding FM 09-8567 issue date: April 1, 2019

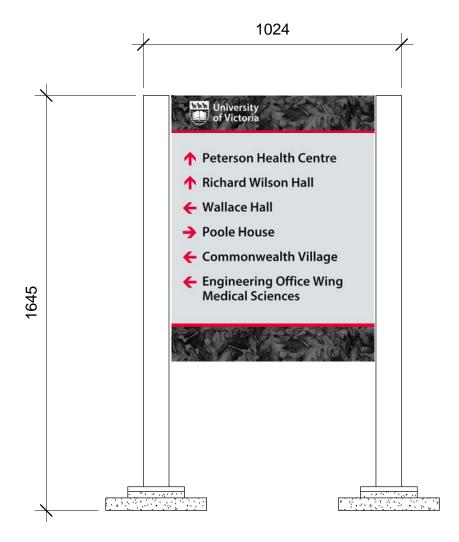
sign: sheet name: scale:

Sign No. 12 - Minor Wayfinding A typography, colours and pictograms as noted

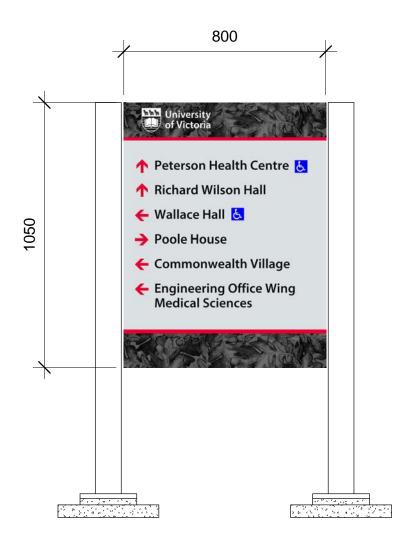








Minor Wayfinding A scale 1:15



Minor Wayfinding A (with pictograms)
scale 1:15

project: Campus Wayfinding number: FM 09-8567

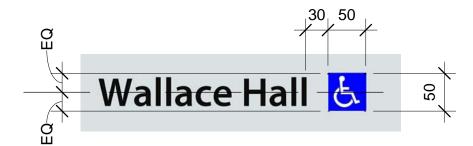
issue date: April 1, 2019

sign: Sign No. 12 - Minor Wayfinding A

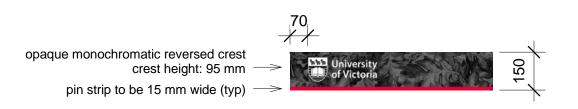
sheet name: sign design - overview

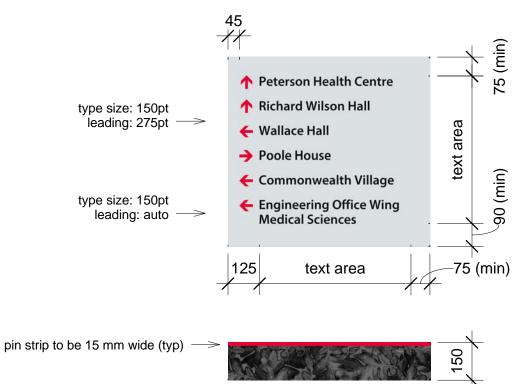






placement of pictogram scale 1:5





800

scale 1:15

Sign No. 12 - Minor Wayfinding A sign: sheet name: sign design - graphic design details

sheet

Description Digitally printed vinyl protected with anti-graffiti, optically clear overlaminate Aluminum panel size (one piece): 800 mm x 1050 mm x 6.4 mm See sheet 05 for details.

Vinyl: 3M IJ180, MPI 2005 or equivalent Overlaminate: 3M 8914, Avery DOL 6060 or equivalent.

1) One piece vinyl to be printed on, installed as

per

2)

3)

manufacturer's recommendations.

Use compatible UV inks and overlaminates

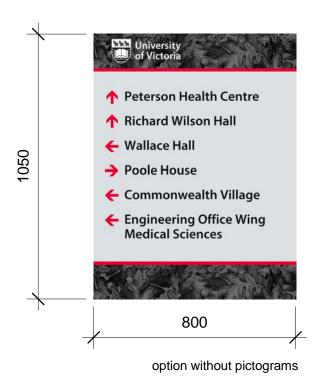
as recommended by manufacturer Wrap vinyl and overlaminate over the edges

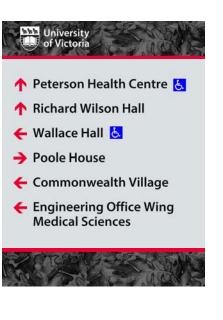
of the aluminum panel.

4) If single sided sign then back panel to receive

vinyl printed with PANTEONE 7541 C

Refer to Adobe Photoshop files for detailed sample layout





option w/ pictograms

scale 1:15



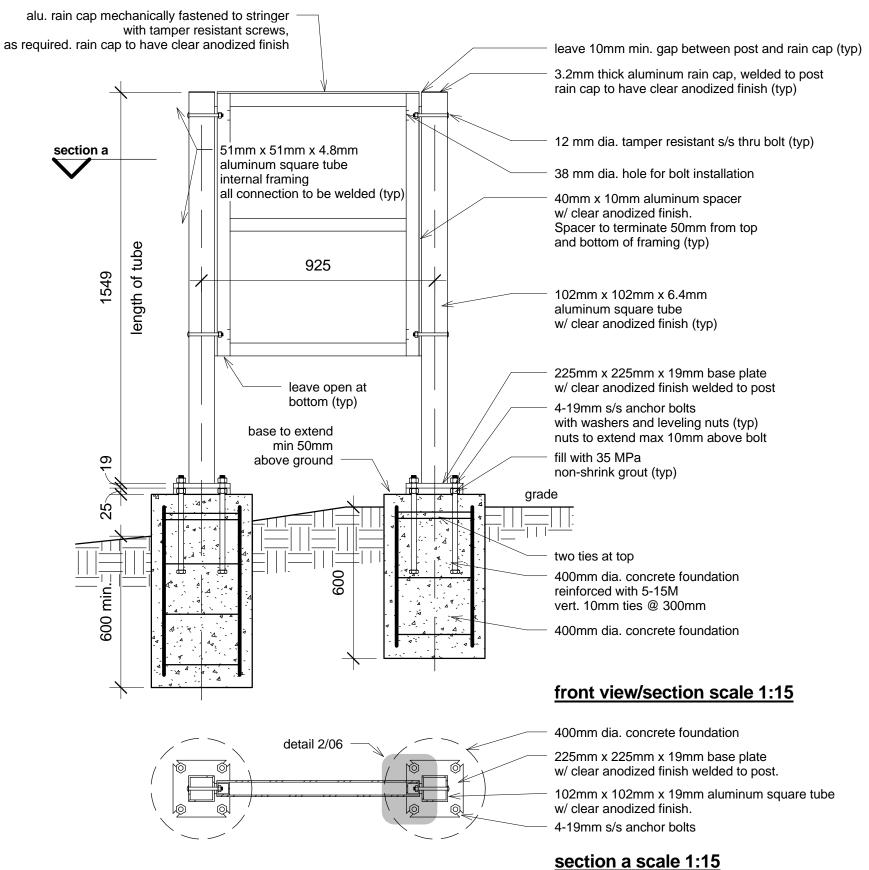
project:

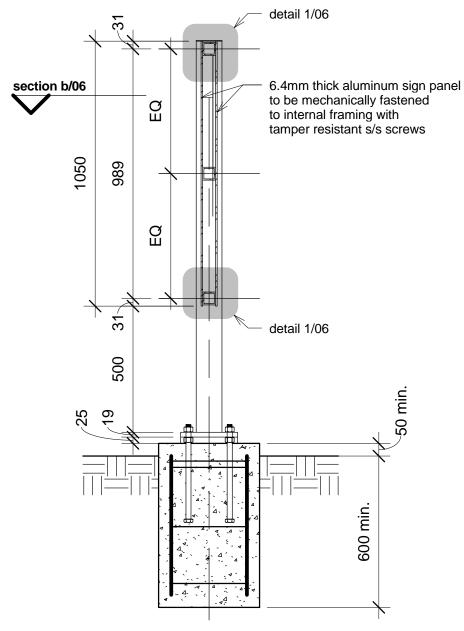
number:

Campus Wayfinding

FM 09-8567

issue date: April 1, 2019





side view/section scale 1:15

General Note: Manufacturer to verify all diemnsions prior to sign fabrication. All discrepancies should be reported to the Architect.

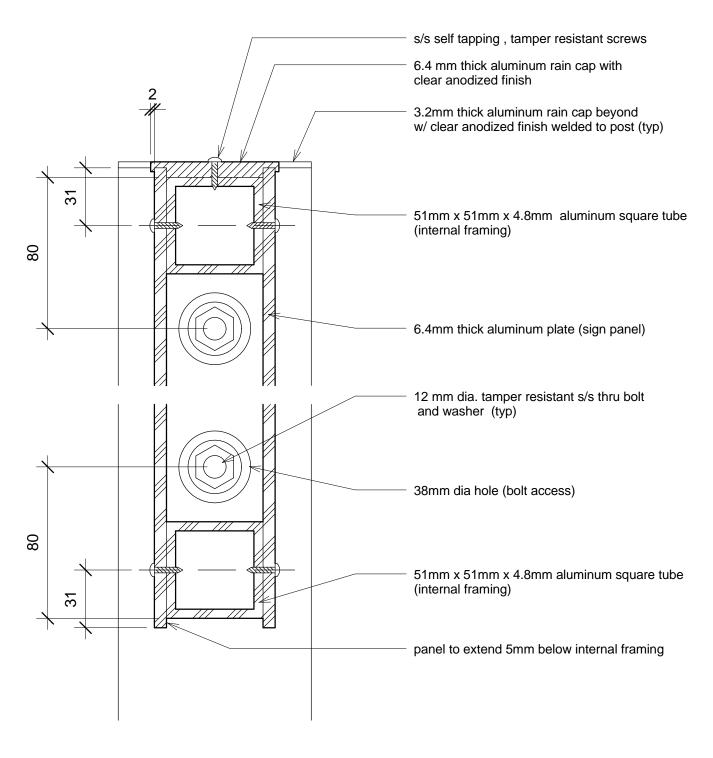
Campus Wayfinding project:

FM 09-8567 number: issue date: April 1, 2019

Sign No. 12 - Minor Wayfinding A sign: sign construction - sections sheet name:







General Note: Manufacturer to verify all diemnsions prior to sign fabrication. All discrepancies should be reported to the Architect.

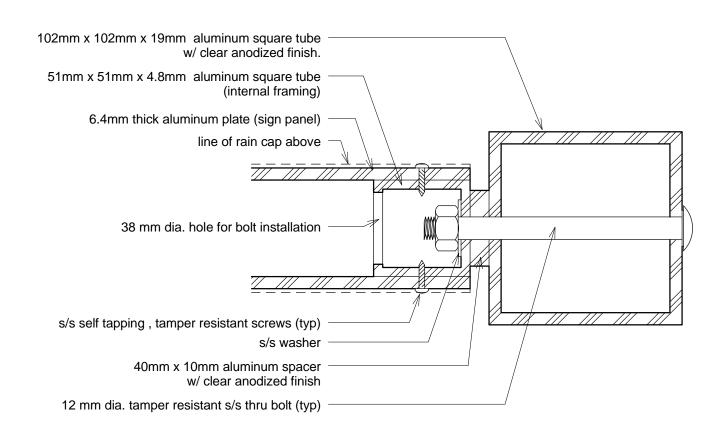
project:

issue date: April 1, 2019

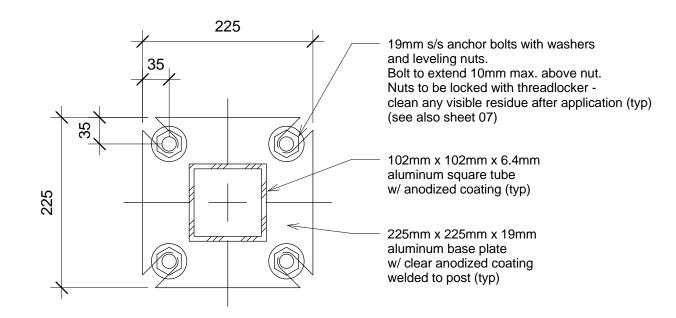
section detail 1 scale 1:2

Sign No. 12 - Minor Wayfinding A **Campus Wayfinding** sign: FM 09-8567 sign construction - details number: sheet name:

> scale: as noted



section detail 2 scale 1:2



section b (slip base) scale 1:5



sheet



GENERAL NOTES

- 1. Provide self adhesive sign ID stickers. ID's should correspond with ID's shown on location plan Form and placement of stickers on signs is to be coordinated with University of Victoria
- 2. Fasteners:

foundation (anchor bolts):

bolts: Fastenal part #47406 (1/2" s/s threaded rod)

washers: Fastenal part #71021 (1/2" s/s washers)

nuts: Fastenal part #70714 (1/2" s/s nuts)

posts:

thru bolts: Fastenal part #174786 (1/2" s/s x 5" button Socket Cap Screw)

thru bolt washers: Fastenal part #71021 (1/2" s/s washers)

thru bolt nuts: 70714 (1/2" s/s nuts)

panels

security screws panel attachment: Fastenal part #BS0160024SSH200 (10-24 x 3/4" button head security screw) rain cap attachment: Fastenal part #BS0160024SSH200 (10-24 x 3/4" button head security screw)

- 3. Threadlocker: Locktite 271 Red
- 4. Whenever anchor bolts are cut, contractor to ensure cut surfaces (terminated coating) are protected against rusting.
- 5. Manufacturer to verify all diemnsions prior to sign fabrication. All discrepancies should be reported to the Architect.

STRUCTURAL NOTES

DRAWINGS

- 1. These drawings show the completed project. The drawings do not show components that may be necessary for construction safety, which is the responsibility of the contractor.
- 2. The use of these drawings is limited to that indicated in the revisions column.
- 3. The information on these drawings shall not be used for any other project or works.

DESIGN

- 1. The structures shown have been designed in substantial accordance with the British Columbia Building Code 2006, which is based on the National Building Code of Canada 2005.
- 2. The following wind loads and factors were used: q50=0.63kPa, Iw=1.0-ULS, 0.75-SLS.

FIELD REVIEW BY STRUCTURAL ENGINEER

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- 2. Provide 24 hours advance notice of each required field review. Field reviews shall be scheduled to be carried out during normal business hours unless special arrangements are made with Structural Engineer.
- 3. The work to be reviewed shall be generally complete.

STRUCTURAL NOTES (cont)

CONCRETE AND REINFORCING STEEL

- 1. Concrete work shall conform to CAN/CSA-A23.1, CAN/CSA -A23.2, CAN/CSA -A23.3 and referenced documents.
- 2. Reinforcing shall conform to CAN/CSA-G30.18R Grade 400MPa.
- 3. Cover to reinforcing steel to be 50mm uno.
- 4. Portland cement shall be type gu unless noted otherwise.
- 5. Concrete shall have a unit weight of 23±1 kn/m3/ (145±5 pcf) unless noted otherwise.
- $6. \ Concrete \ shall \ have \ a \ compressive \ strength \ of \ 35 MPa \ at \ 28 \ days, \ and \ conform \ to \ exposure \ class$
- C-1 with a maximum water-cement ratio of 0.40 and air content of 5-8%. Maximum aggregate size to be 19mm.
- 7. No calcium chloride is permitted, in any form, in any concrete mix. Curing and protection of concrete for hot, cold or dry weather is to be as per clauses 7.4.1.8 and 7.4.2 of CAN/CSA.

STRUCTURAL ALUMINUM

- 1. Aluminum sections shall be new.
- 2. Aluminum alloys shall conform to the Aluminum Association publication Aluminum Standards and Data ISO 6361-2 or ISO 6362-2.
- 3. Extruded shapes, Tubes, Bolts, and Plate to be 6061 alloy uno.
- 4. Aluminum in contact with concrete or grout shall be given a heavy coat of alkali-resistant bituminous paint or other equivalent coating before installation.
- 5. Welding operators and procedures shall be qualified according to CSA W47.2.
- 6. Submit shop drawings for review prior to start of steel fabrication.
- 7. Fabrication practices and tolerances shall be in accordance with CAN/CSA-S16, except bolt holed edge distance tolerance to be -0, +2mm.
- 8. Anchor and connection bolts to be ASTM A193 Stainless Steel. Anchors shall be embedded 300mm into concrete, complete with a nut and washer each end.
- 9. Unless noted otherwise, column base plates shall be 20 mm minimum thick. Anchor bolt holes shall be punched undersize and reamed to size.
- 10. Provide 6 mm cap plates for all tube members uno.
- 11. Aluminum shall be connected with fillet welds all-around uno. Weld size shall match the wall thickness of the thinnest part being connected uno. Welds to be ground smooth.

TAMPER RESISTANCE AND CONNECTIONS

- 1. Connection hardware to be stainless steel uno.
- 2. Aluminum panels to be connected to structure with 6.4mm diameter stainless steel self-tapping screws at 450mm maximum centre to centre spacing.
- 3. Non-removable panels may be welded or glued by the manufacturer, as approved by Structural Engineer.
- 4. Panel connection screws to be tamper resistant "Torx-Pin" screws as supplied by O.E.M. Hardware of Surrey BC, or equivalent as approved by Structural Engineer.
- 5. Visible connection bolts shall be "Pentagon" tamper resistant bolts, with "Pentagon" nuts as supplied by O.E.M. Hardware of Surrey BC, or equivalent as approved by Structural Engineer. Anchor bolts to be secured with "Pentagon" security nuts.





scale:

Sign No. 12 - Minor Wayfinding A





Sheet List	
Sheet Number	Sheet Name

01	title sheet and drawing list
02	sign design/graphic design details
03	sign and graphic design
04	sign and graphic design, mounting details
05	general notes

Sign No. 13 Pedestrian - Minor Wayfinding B

project: Campus Wayfinding number: FM 09-8567

issue date: April 1, 2019

sign: Sign No. 13 - Minor Wayfinding B sheet name: title sheet and drawing list

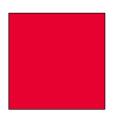




core colours



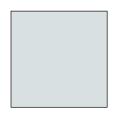
clear anodized coating application: sign structure



PANTONE 185 C application: pinstrip, arrows



PANTONE 426 C application: text, crest - monochromatic



PANTEONE 7541 C application: background



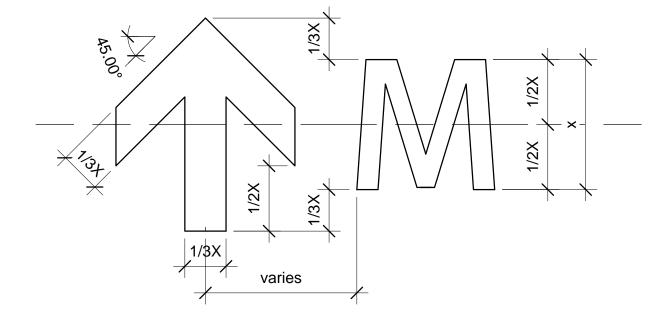
gary oak motif - digital file is to be delivered by University of Victoria

samples of typeface family

Myriad Pro Semi Bold

ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 1234567890

arrow style and arrow size in relation to text height



University of Victoria Logo, horizontal standard





full colour

reverse monochromatic - shown against bacgroud for clarity

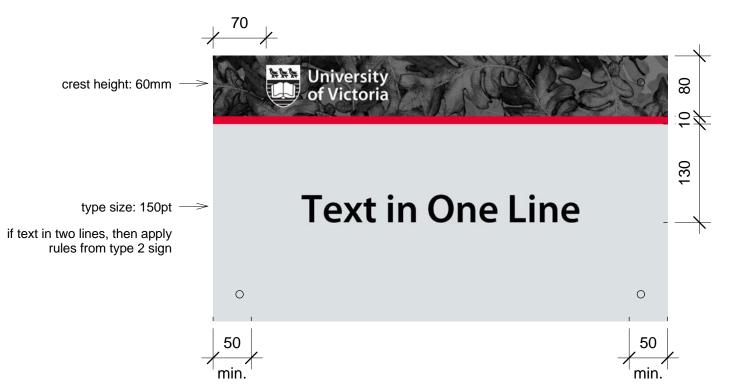
project: Campus Wayfinding number: FM 09-8567 issue date: April 1, 2019

sign: sheet name: scale: Sign No. 13 - Minor Wayfinding B sign design/graphic design details

sheet number







type 1 sign scale 1:5



type 2 sign scale 1:5

Aluminum panel size: 600 mm x 350 mm x 6.4 mm

Description:
One sided sign.
Digitally printed vinyl protected with anti-graffiti, optically clear overlaminate. Vinyl and overlaminate to lap over the sign edges.

Vinyl: 3M IJ180, MPI 2005 or equivalent Overlaminate: 3M 8914, Avery DOL 6060 or equivalent.

1) One piece vinyl to be printed on, installed as per

manufacturer's recommendations.

2) Use compatible UV inks and overlaminates

as recommended by manufacturer

Refer to Adobe Photoshop files for detailed sample layout

Aluminum panel size: 700 mm x 350 mm x 6.4 mm

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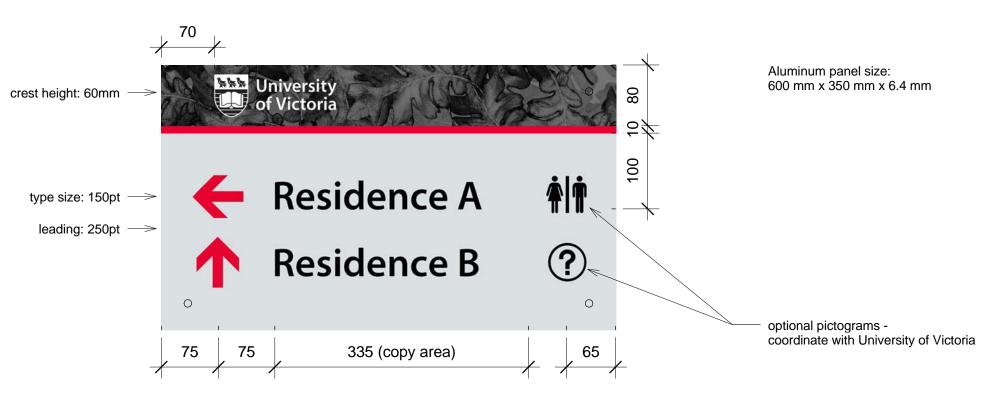
project: Campus Wayfinding

number: FM 09-8567 issue date: April 1, 2019

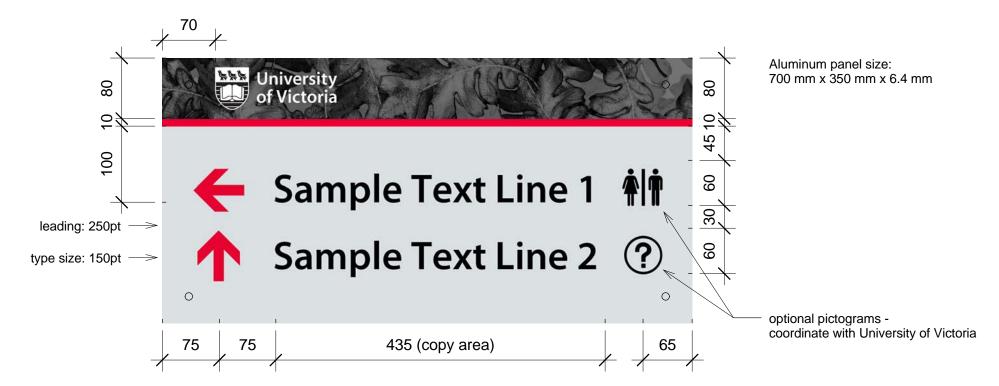
sign: Sign No. 13 - Minor Wayfinding B sheet name: sign and graphic design



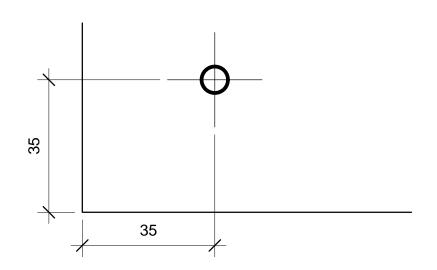




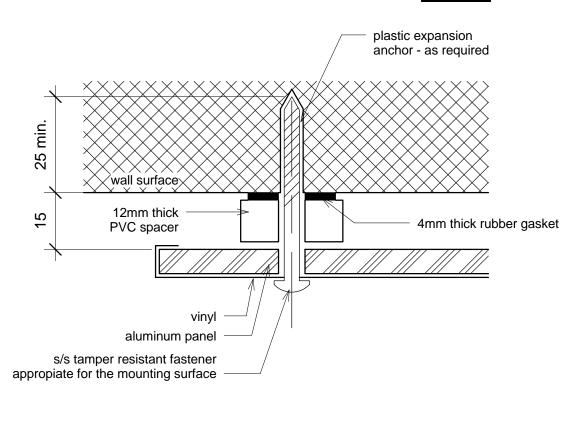
type 3 sign scale 1:5



type 4 sign scale 1:5



fastener typical location on sign scale1:1



typical mounting detail scale 1:1

University of Victoria

project: Campus Wayfinding

number: FM 09-8567 issue date: April 1, 2019

sign: Sign No. 13 - Minor Wayfinding B sheet name: sign and graphic design, mounting details as noted

sheet

et O

GENERAL NOTES

- 1. Provide self adhesive sign ID stickers. ID's should correspond with ID's shown on location plan Form and placement of stickers on signs is to be coordinated with University of Victoria
- 2. Fasteners:

panels:

security screws panel attachment: Fastenal part #160951 (10 x 2" button head tapping screw s/s 6 lobe)

3. Manufacturer to verify all diemnsions prior to sign fabrication. All discrepancies should be reported to the Architect.

STRUCTURAL NOTES

DRAWINGS

- 1. These drawings show the completed project. The drawings do not show components that may be necessary for construction safety, which is the responsibility of the contractor.
- 2. The use of these drawings is limited to that indicated in the revisions column.
- 3. The information on these drawings shall not be used for any other project or works.

DESIGN

- 1. The structures shown have been designed in substantial accordance with the British Columbia Building Code 2006, which is based on the National Building Code of Canada 2005.
- 2. The following wind loads and factors were used: q50=0.63kPa, lw=1.0-ULS, 0.75-SLS.

FIELD REVIEW BY STRUCTURAL ENGINEER

- 1. Structural Engineer provides field review only for the work shown on these structural drawings, and it is conducted with such frequency as Structural Engineer deems appropriate to ascertain that the work is in general conformance with the documents prepared by Structural Engineer.
- Field review by Structural Engineer is not carried out for the Contractor's benefit, nor does it make Structural Engineer guarantors of the Contractor's work. It remains the Contractor's responsibility to build the work in conformance with the contract documents. Structural Engineer shall not be responsible for the acts or omissions of the Contractor, Sub-Contractor, or any other persons performing any of the work or for the failure of any of them to carry out the work in accordance with the contract documents.
- 2. Provide 24 hours advance notice of each required field review. Field reviews shall be scheduled to be carried out during normal business hours unless special arrangements are made with Structural Engineer.
- 3. The work to be reviewed shall be generally complete.

project: Campus Wayfinding sign: Sign No. 13 - Minor Wayfinding B

number: FM 09-8567 sheet name: general notes issue date: April 1, 2019 scale: as noted

STRUCTURAL NOTES (cont)

CONCRETE AND REINFORCING STEEL

- 1. Concrete work shall conform to CAN/CSA-A23.1, CAN/CSA -A23.2, CAN/CSA -A23.3 and referenced documents.
- 2. Reinforcing shall conform to CAN/CSA-G30.18R Grade 400MPa.
- 3. Cover to reinforcing steel to be 50mm uno.
- 4. Portland cement shall be type gu unless noted otherwise.
- 5. Concrete shall have a unit weight of 23±1 kn/m3/ (145±5 pcf) unless noted otherwise.
- 6. Concrete shall have a compressive strength of 35MPa at 28 days, and conform to exposure class
- C-1 with a maximum water-cement ratio of 0.40 and air content of 5-8%. Maximum aggregate size to be 19mm.
- 7. No calcium chloride is permitted, in any form, in any concrete mix. Curing and protection of concrete for hot, cold or dry weather is to be as per clauses 7.4.1.8 and 7.4.2 of CAN/CSA.

STRUCTURAL ALUMINUM

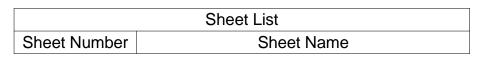
- 1. Aluminum sections shall be new.
- 2. Aluminum alloys shall conform to the Aluminum Association publication Aluminum Standards and Data ISO 6361-2 or ISO 6362-2.
- 3. Extruded shapes, Tubes, Bolts, and Plate to be 6061 alloy uno.
- 4. Aluminum in contact with concrete or grout shall be given a heavy coat of alkali-resistant bituminous paint or other equivalent coating before installation.
- 5. Welding operators and procedures shall be qualified according to CSA W47.2.
- 6. Submit shop drawings for review prior to start of steel fabrication.
- 7. Fabrication practices and tolerances shall be in accordance with CAN/CSA-S16, except bolt holed edge distance tolerance to be -0, +2mm.
- 8. Anchor and connection bolts to be ASTM A193 Stainless Steel. Anchors shall be embedded 300mm into concrete, complete with a nut and washer each end.
- 9. Unless noted otherwise, column base plates shall be 20 mm minimum thick. Anchor bolt holes shall be punched undersize and reamed to size.
- 10. Provide 6 mm cap plates for all tube members uno.
- 11. Aluminum shall be connected with fillet welds all-around uno. Weld size shall match the wall thickness of the thinnest part being connected uno. Welds to be ground smooth.

TAMPER RESISTANCE AND CONNECTIONS

- 1. Connection hardware to be stainless steel uno.
- 2. Aluminum panels to be connected to structure with 6.4mm diameter stainless steel self-tapping screws at 450mm maximum centre to centre spacing.
- 3. Non-removable panels may be welded or glued by the manufacturer, as approved by Structural Engineer.
- 4. Panel connection screws to be tamper resistant "Torx-Pin" screws as supplied by O.E.M.
- Hardware of Surrey BC, or equivalent as approved by Structural Engineer.
- 5. Visible connection bolts shall be "Pentagon" tamper resistant bolts, with "Pentagon" nuts as supplied by O.E.M. Hardware of Surrey BC, or equivalent as approved by Structural Engineer. Anchor bolts to be secured with "Pentagon" security nuts.







01	title sheet and drawing list
02	typography, colours and pictograms
03	sign design/graphic design details
04	sign construction - sections and details
05	general notes

Campus Wayfinding

FM 09-8567

issue date: April 1, 2019

project: number:

Sign No. 15 - Minor Pedestrian Map sheet name: title sheet and drawing list as noted



Sign No. 15 **Minor Pedestrian Map**



sheet

scale:

core colours



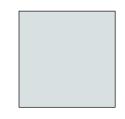
clear anodized coating application: sign structure



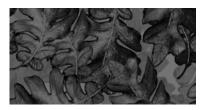
PANTONE 185 C application: pinstrip, arrows



PANTONE 426 C application: text, crest - monochromatic



PANTEONE 7541 C application: background



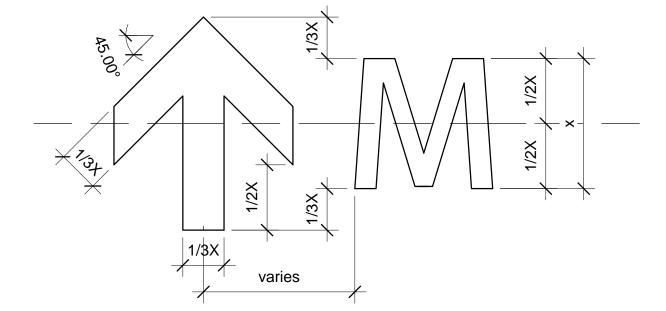
gary oak motif - digital file is to be delivered by University of Victoria

samples of typeface family

Myriad Pro Semi Bold

ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 1234567890

arrow style and arrow size in relation to text height



University of Victoria Logo, horizontal standard





full colour

reverse monochromatic - shown against backgroud for clarity

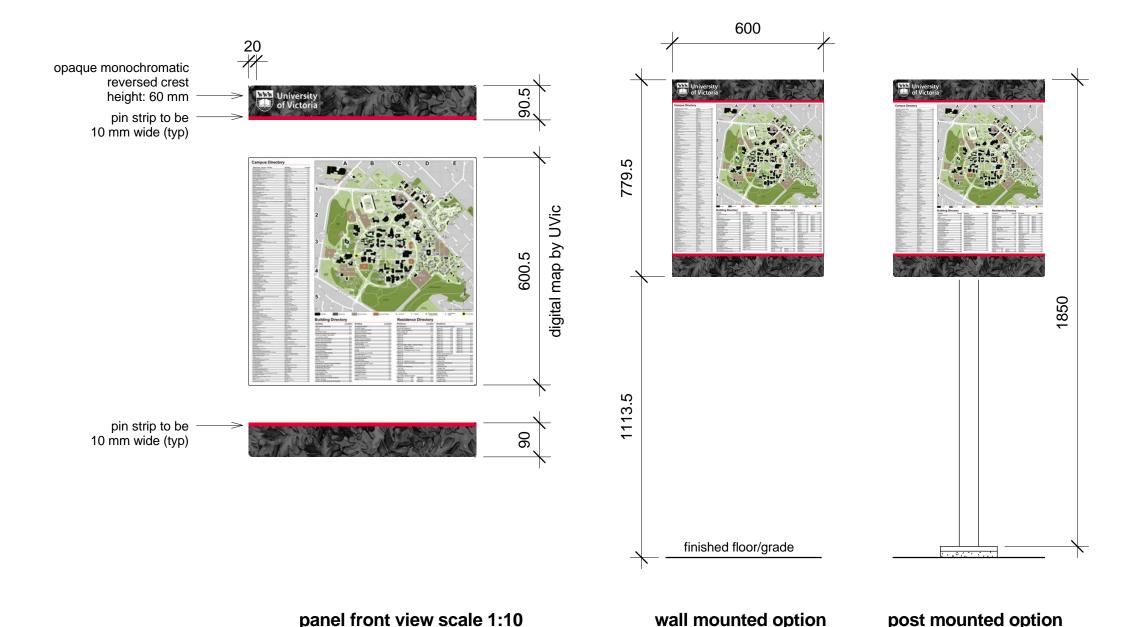
project: Campus Wayfinding number: FM 09-8567 issue date: April 1, 2019

sign: sheet name: scale: Sign No. 15 - Minor Pedestrian Map typography, colours and pictograms as noted

sheet number







Digitally printed vinyl protected with anti-graffiti, optically clear overlaminate on front and back of panel.

Edges of the panel to be spray painted with Mathews, two part Acrylic Polyurethane or equivalent Aluminum panel size: 780 mm x 600 mm x 6.4 mm

Description

Vinyl: 3M IJ180, MPI 2005 or equivalent Overlaminate: 3M 8914, Avery DOL 6060 or equivalent.

1) One piece vinyl to be printed on, installed as per

manufacturer's recommendations.

2) Use compatible UV inks and overlaminates as recommended by manufacturer

3) Edges of the aluminum panel to be spray painted

with PANTEONE 7541 C colour

4) Back of the panel to receive vinyl with printed

PANTEONE 7541 C colour

4) Digital file with Directory Map is to be delivered

by University of Victoria

Refer to Adobe Photoshop files for detailed sample layout

scale 1:15

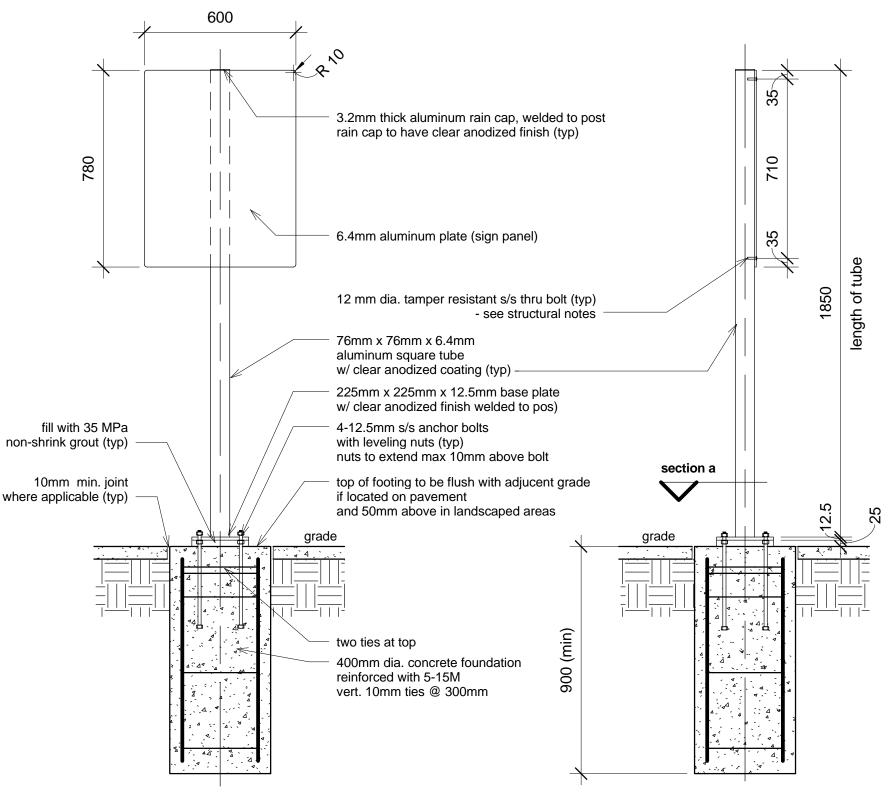
project: Campus Wayfinding number: FM 09-8567 issue date: April 1, 2019

sign: sheet name: scale: Sign No. 15 - Minor Pedestrian Map sign design/graphic design details as noted

sheet number







front view/section scale 1:15 side view/section scale 1:15

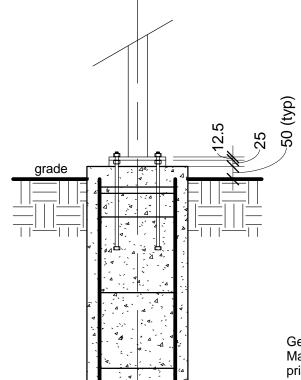
225 35 28 28 35

 12.5mm s/s anchor bolts with washers and leveling nuts.
 Bolt to extend 10mm max. above nut.
 Thread to be locked with Locktite 271 Red clean any visible residue after application (typ)

102mm x 102mm x 6.4mm aluminum square tube w/ anodized coating (typ)

225mm x 225mm x 12.5mm aluminum base plate w/ clear anodized coating welded to post (typ)

section a (slip base) scale 1:5



General Note:
Manufacturer to verify all diemnsions
prior to sign fabrication. All discrepancies
should be reported to the Architect.

side view/section scale 1:15 (sign located in landscaped areas)

project: Campus Wayfinding

number: FM 09-8567 issue date: April 1, 2019

sign: Sign No. 15 - Minor Pedestrian Map sheet name: sign construction - sections and details

scale: as noted

sheet number:



GENERAL NOTES

1. Provide self adhesive sign ID stickers. ID's should correspond with ID's shown on location plan Form and placement of stickers on signs is to be coordinated with University of Victoria

2. Fasteners:

foundation (anchor bolts):

bolts: Fastenal part #47406 (1/2" s/s threaded rod) washers: Fastenal part #71021 (1/2" s/s washers)

nuts: Fastenal part #70714 (1/2" s/s nuts)

posts:

thru bolts: Fastenal part #10630-04183 (1/2" s/s x 4" button Socket Cap Screw)

thru bolt washers: Fastenal part #71021 (1/2" s/s washers)

thru bolt nuts: 70714 (1/2" s/s nuts)

- 3. Threadlocker: Locktite 271 Red
- 4. Whenever anchor bolts are cut, contractor to ensure cut surfaces (terminated coating) are protected against rusting.
- 5. Manufacturer to verify all diemnsions prior to sign fabrication. All discrepancies should be reported to the Architect.

STRUCTURAL NOTES

DRAWINGS

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STRUCTURAL NOTES (cont)

CONCRETE AND REINFORCING STEEL

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- 4. Portland cement shall be type gu unless noted otherwise.
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- 6. Concrete shall have a compressive strength of 35MPa at 28 days, and conform to exposure class
- C-1 with a maximum water-cement ratio of 0.40 and air content of 5-8%. Maximum aggregate size to be 19mm.
- 7. No calcium chloride is permitted, in any form, in any concrete mix. Curing and protection of concrete for hot, cold or dry weather is to be as per clauses 7.4.1.8 and 7.4.2 of CAN/CSA.

STRUCTURAL ALUMINUM

- 1. Aluminum sections shall be new.
- 2. Aluminum alloys shall conform to the Aluminum Association publication Aluminum Standards and Data ISO 6361-2 or ISO 6362-2.
- 3. Extruded shapes, Tubes, Bolts, and Plate to be 6061 alloy uno.
- 4. Aluminum in contact with concrete or grout shall be given a heavy coat of alkali-resistant bituminous paint or other equivalent coating before installation.
- 5. Welding operators and procedures shall be qualified according to CSA W47.2.
- 6. Submit shop drawings for review prior to start of steel fabrication.
- 7. Fabrication practices and tolerances shall be in accordance with CAN/CSA-S16, except bolt holed edge distance tolerance to be -0, +2mm.
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- 10. Provide 6 mm cap plates for all tube members uno.
- 11. Aluminum shall be connected with fillet welds all-around uno. Weld size shall match the wall thickness of the thinnest part being connected uno. Welds to be ground smooth.

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- 2. Aluminum panels to be connected to structure with 6.4mm diameter stainless steel self-tapping screws at 450mm maximum centre to centre spacing.
- 3. Non-removable panels may be welded or glued by the manufacturer, as approved by Structural Engineer.
- 4. Panel connection screws to be tamper resistant "Torx-Pin" screws as supplied by O.E.M. Hardware of Surrey BC, or equivalent as approved by Structural Engineer.
- 5. Visible connection bolts shall be "Pentagon" tamper resistant bolts, with "Pentagon" nuts as supplied by O.E.M. Hardware of Surrey BC, or equivalent as approved by Structural Engineer. Anchor bolts to be secured with "Pentagon" security nuts.



number: FM 09-8567 sheet name: general notes issue date: April 1, 2019 scale: as noted



