### Sign List

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**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
- PANTONE 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

ABCDEFGHJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890

University of Victoria Logo, horizontal standard

full colour

reverse monochromatic - shown against background for clarity

University of Victoria Logo, horizontal standard

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

sign: Sign No. 6 - Directional typography, colours and pictograms
sheet: 02
scale: as noted
Campus Wayfinding
FM 09-8567
April 1, 2019

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

Directional version 1
scale 1:15

Lot 2 Parking
→ McKinnon Building
→ Engineering Lab Wing
→ Petch Building
→ Medical Sciences Building

Deliveries for:
→ Lot 2 Parking
→ McKinnon Bldg
→ Petch Building
→ Cunningham Bldg
→ Medical Sciences Building

Directional version 2
scale 1:15

sheet number: 03
Description
Digitally printed vinyl protected with anti-graffiti, optically clear overlaminate
Aluminum panel size (one piece): 1000 mm x 1400 mm x 6.4 mm
See sheet 02 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 PANTONE 7541 C

Refer to Adobe Photoshop files for detailed sample layout
102mm x 102mm x 6.4mm aluminum square tube w/ clear anodized finish (typ)

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

51mm x 51mm x 4.8mm aluminum square tube internal framing all connection to be welded (typ)

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

leave 10mm min. gap between post and rain cap (typ)

3.2mm thick aluminum rain cap, welded to post rain cap to have clear anodized finish (typ)

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

38 mm dia. hole for bolt installation

1000 x 1400 x 6.4mm thick alu. sign panel to be mechanically fastened to internal framing with tamper resistant s/s screws

225mm x 225mm x 19mm aluminum square tube w/ clear anodized finish (typ)

3.2mm thick aluminum rain cap, welded to post rain cap to have clear anodized finish (typ)

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

38 mm dia. hole for bolt installation

1000 x 1400 x 6.4mm thick alu. sign panel to be mechanically fastened to internal framing with tamper resistant s/s screws

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

Spacer to terminate 50mm from top and bottom of framing (typ)

102mm x 102mm x 4.8mm aluminum square tube w/ clear anodized finish.

4-19mm s/s anchor bolts with washers and leveling nuts (typ)

nuts to extend max 10mm above bolt

250mm dia. concrete foundation reinforced with 5-15M vert. 10mm ties @ 300mm
two ties at top

two ties at top

400mm dia. concrete foundation

leave open at bottom (typ)

base to extend min 50mm above ground

slope of grade varies

400mm dia. concrete foundation

5-15M vert. 10mm ties @ 300mm

two ties at top

400mm dia. concrete foundation

600mm dia. concrete foundation

fill with 35 MPa non-shrink grout (typ)

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

50mm dia. hole for bolt installation

600mm dia. concrete foundation

General Note:
Manufacturer to verify all dimensions prior to sign fabrication. All discrepancies should be reported to the Architect.
General Note:
Manufacturer to verify all dimensions 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)
- 12 mm dia. tamper resistant s/s thru bolt and washer (typ)
- 38mm dia hole (bolt access)
- panel to extend 5mm below internal framing

section detail 2 scale 1:2

- 102mm x 102mm x 19mm aluminum square tube w/ clear anodized finish.
- 102mm x 102mm x 19mm aluminum square tube (internal framing)
- 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 b (slip base) scale 1:5

- 19mm s/s anchor bolts with washers and leveling nuts. Bolt to extend 10mm max. above nut. Nuts to be locked with threadlocker - clean any visible residue after application (typ) (see also sheet 07)
- 102mm x 102mm x 6.4mm aluminum square tube w/ anodized coating (typ)
- 225mm x 225mm x 19mm aluminum base plate w/ clear anodized coating welded to post (typ)
1. Provide self adhesive sign ID stickers. ID's should correspond with University of Victoria location plan.

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 (10-24 x 3/4" button Socket Cap Screw)
     - thru bolt washers: Fastenal part #71021 (1/2" s/s washers)
     - thru bolt nuts: 70714 (1/2" s/s nuts)
   - panels:
     - 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 dimensions prior to sign fabrication. All discrepancies should be reported to the Architect.

STRUCTURAL NOTES (cont)

CONCRETE AND REINFORCING STEEL
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±1.1 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. The information on these drawings shall not be used for any other project or works.
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.
6. Anchor bolts to be secured with "Pentagon" security nuts.
7. Anchor bolts must be ASTM A193 Stainless Steel. Anchors shall be embedded 300mm into concrete, complete with a nut and washer each end.
8. 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.
9. The work to be reviewed shall be generally complete.

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.
2. 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.
3. 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.
4. The work to be reviewed shall be generally complete.

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 "Tora-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.