**Sign No. 3B**

**Vehicular - Building Identification**

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*Campus Wayfinding*

*Issue date: April 1, 2019*
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

ABCDEF GH IJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz

12345 67890

University of Victoria Logo, horizontal standard

arrow style and arrow size in relation to text height

University of Victoria Logo, horizontal standard

full color

reverse monochromatic - shown against background for clarity

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

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

sheet number: 02
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
1125

leave 10mm min. gap between post and rain cap (typ)
alu. rain cap mechanically fastened to stringer with tamper resistant screws, as required.

rain cap to have clear anodized finish.

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)

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

25mm dia. tamper resistant s/s thru bolt (typ)

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

600 min.

38 mm dia. hole for bolt installation

40mm x 10mm aluminum spacer
w/ clear anodized finish
Spacer to terminate 50mm from top and bottom of framing (typ)

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

4-19mm s/s anchor bolts
with washers and leveling nuts (typ)
nuts to extend max 10mm above bolt
fill with 35 MPa non-shrink grout (typ)

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

400mm dia. concrete foundation
reinforced with 5-15M vert. 10mm ties @ 300mm
two ties at top

400mm dia. concrete foundation

25mm dia. hole for bolt installation

38 mm dia. hole for bolt installation

General Note:
Manufacturer to verify all dimensions prior to sign fabrication. All discrepancies should be reported to the Architect.
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section detail 1 scale 1:2

- 38 mm dia. hole for bolt installation
- 12 mm dia. tamper resistant s/s thru bolt and washer (typ)
- 51mm x 51mm x 4.8mm aluminum square tube (internal framing)
- 51mm x 51mm x 4.8mm aluminum square tube (internal framing)
- 6.4mm thick aluminum plate (sign panel)
- 6.4 mm thick aluminum rain cap with clear anodized finish welded to post (typ)
- 3.2 mm thick aluminum rain cap beyond w/ clear anodized finish welded to post (typ)

section detail 2 scale 1:2

- 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)
- 38 mm dia. hole for bolt installation
- s/s self tapping, tamper resistant screws (typ)
- 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)
- 225mm x 225mm x 19mm aluminum base plate w/ clear anodized coating welded to post (typ)
GENERAL NOTES

1. Provide self adhesive sign ID stickers. ID's should correspond with ID's shown on 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 (1/2” 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)

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 kn/m³ (145±5 pcf) unless noted otherwise.

6. Concrete in contact with concrete or grout shall be given a heavy coat of alkali-resistant bituminous paint or other equivalent coating before installation.

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.

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.

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. The work to be reviewed shall be generally complete.

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.

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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.

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