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Sign No. 6A
Vehicular - Directional

Project: Campus Wayfinding - Phase 1
Issue Date: April 1, 2019
Sheet Number: 01
Scale: As noted
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

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

ABCDEFGHIJKLMNOPQRSTUVWXYZ
cdefghijklmnopqrstuvwxyz

1234567890

University of Victoria Logo, horizontal standard

full colour

arrow style and arrow size in relation to text height

does not apply

reverse monochromatic - shown against background for clarity
Version 1 scale 1:15

University House 1

Version 2 scale 1:15

University Club

Project: Campus Wayfinding - Phase 1
Number: -
Issue date: April 1, 2019

Sign: Sign No. 6A
Sheet name: sign design - overview
As noted

Sheet number: 03
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 as recommended by manufacturer
3) 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
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 internal framing, all connection to be welded (typ).

25mm x 25mm x 19mm base plate w/ clear anodized finish welded to post (typ).

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

38mm 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 (typ).

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).

6.4mm thick aluminum sign panel to be mechanically fastened to internal framing with tamper resistant s/s screws.

General Note: Manufacturer to verify all dimensions prior to sign fabrication. All discrepancies should be reported to the Architect.
102mm x 102mm x 6.4mm aluminum square tube w/ anodized coating (typ)
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)

225mm x 225mm x 19mm aluminum base plate w/ clear anodized finish welded to post (typ)

3.2mm thick aluminum rain cap beyond w/ clear anodized finish welded to post (typ)

225mm x 225mm x 19mm aluminum base plate w/ clear anodized coating welded to post (typ)

General Note: Manufacturer to verify all dimensions prior to sign fabrication. All discrepancies should be reported to the Architect.
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)
     - 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: #70114 (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 #BS0160024SH200 (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

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.

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. The work to be reviewed shall be generally complete.

4. 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.

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. Maximum aggregate size to be 19mm.

6. 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.

6. Anchor bolts to be secured with “Pentagon” security nuts.