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Sign No. 3A

Vehicular - Building Identification

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

sign: Sign No. 3A - Building Identification
title sheet and drawing list
sheet number: 01
scale: as noted
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
abcdefgijklmnopqrstuvwxyz

University of Victoria Logo, horizontal standard

full colour

reverse monochromatic - shown against background for clarity

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

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

scale: as noted

sheet number: 02
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

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

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

scale: 1:15

University of Victoria
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

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

leave open at bottom (typ)
base to extend min 50mm
above ground

slope of grade varies

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

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

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

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

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

50 mm

400mm dia. concrete foundation
600 min.

EQ

EQ

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

section a scale 1:15
6.4mm thick aluminum plate (sign panel)

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

102mm x 102mm x 6.4mm aluminum square tube w/ clear anodized finish.

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

38 mm dia. hole for bolt installation

6.4mm thick aluminum plate (sign panel)

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

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

38 mm dia. hole (bolt access)

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

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

section detail 1 scale 1:2

section detail 2 scale 1:2

section b (slip base) scale 1:5

s/s self tapping, tamper resistant screws

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

s/s washer

s/s self tapping, tamper resistant screws

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

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

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

3.2mm thick aluminum rain cap with clear anodized finish welded to post (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)

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

CONCRETE AND REINFORCING STEEL
2. Reinfocing 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. 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 hole 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.

FIELD REVIEW BY STRUCTURAL ENGINEER
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. These drawings are 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.

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 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.

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