Sign No. 7
Vehicular - Finnerty Gardens

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clear anodized coating
application: sign structure

PANTONE 368 C
application: pinstrip, arrows

PANTONE 426 C
application: text, crest - monochromatic

PANTONE 7541 C
application: background, back panel (single sided sign), crest - reversed monochromatic
gary oak motif - digital file is to be delivered by University of Victoria

core colours

samples of typeface family

Myriad Pro Semi Bold

ABCDEFGHJKLMNPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz

1234567890

University of Victoria Logo, horizontal standard

full colour

opaque monochromatic

opaque monochromatic reversed

arrow style and arrow size in relation to text height

project: Campus Wayfinding
number: FM 09-8567
issue date: Jan 31, 2012

sign: Sign No. 7 - Finnerty Gardens
typography, colours and pictograms as noted

sheet number: 02
Finnerty Gardens

opaque monochromatic reversed crest
crest height: 95 mm
pin strip to be 15 mm wide (typ)

Finnerty Gardens

rhododendron motif (see relevant Adobe Photoshop file)

pin strip to be 15 mm wide (typ)

Scale 1:15

Description
Digitally printed vinyl protected with
anti-graffiti, optically clear overlaminate
Aluminum panel size (one piece): 1500 mm x 750 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.
6.4mm thick aluminum plate (sign panel)

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

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 detail 1 scale 1:2

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

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)
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)
     - nuts: Fastenal part #70714 (1/2” s/s nuts)
   - Posts:
     - thru bolts: Fastenal part #174786 (10-24 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 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.

CONCRETE AND REINFORCING STEEL
2. Reinforcing shall conform to CAN/CSA-G30.18R – Grade 400MPa.
3. Portland cement shall be type gu unless noted otherwise.
4. 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.
5. 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.