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**Sign No. 9**  
Pedestrian - Major Directional
clear anodized coating
application: sign structure
PANTONE 185 C
application: pinstrip, arrows
PANTONE 426 C
application: text, crest - monochromatic
PANTONE 7541 C
application: background
gary oak motif - digital file is to be delivered by University of Victoria

samples of typeface family
Myriad Pro Semi Bold
ABCDEF GHJKLM NOPQRSTUVWXYZ
abcdef ghijklmnopqrstuvwxyz
1234567890

University of Victoria Logo, horizontal standard

full colour

reverse monochromatic - shown against background for clarity

project: Campus Wayfinding
number: FM 09-8567
issue date: April 1, 2019
sign: Sign No. 9 - Major Directional
typography, colours and pictograms
as noted
sheet name: Sign No. 9 - Major Directional
typography, colours and pictograms
as noted
sheet number: 02
General Note:
Where applicable, provide 6.4mm thick aluminum spacer under aluminum sign panels to make up for acrylic panel thickness see also detail 3/9-07
Digitally printed vinyl protected with anti-graffiti, optically clear overlaminate.
Aluminum panel size:
283 mm x 744 mm x 3.2 mm

Digitally printed vinyl protected with anti-graffiti, optically clear overlaminate.
Aluminum panel size:
270 mm x 506 mm x 3.2 mm

Digitally printed vinyl protected with anti-graffiti, optically clear overlaminate.
19mm thick acrylic push-thru pictogram - see dwg 08 for details.
Aluminum panel size:
744 mm x 506 mm x 6.4 mm

Non-glare clear acrylic:
Plaskolite OPTIX Abrasion Resistant Non-Glare or equivalent.
Clear acrylic (pictograms):
Plaskolite OPTIX, Chemcast GP or equivalent.

First surface prints:
Vinyl:
3M IJ180, MPI 2005 or equivalent
Overlaminate:
3M 8914, Avery DOL 6060 or equivalent.

2nd surface prints:
CAV-50 reverse print - i/w/i (2nd surface)
Overlaminate:
3M 8914, Avery DOL 6060 or equivalent (first surface)

1) Vinyl to be printed on, installed as per manufacturer’s recommendations.
2) Use compatible UV inks and overlaminates as recommended by manufacturer.
3) Where applicable wrap vinyl and overlaminate over the edges of the alu. panel.
4) All panels to be mechanically fastened to substrate.
5) Directory map shown for reference only, directory map with all associated texts and pictograms to be provided in digital format by University of Victoria.
6) Manufacturer to confirm all dimensions prior to fabrication.
7) Manufacturer to ensure watertightness of panel connections.

Refer to Adobe Photoshop files for detailed sample layout.
155
495
1600
500
737
51mm x 51mm x 4.8mm aluminum square tube (sign framing)
all connections to be welded

2 x 51mm x 127mm x 4.8mm aluminum rectangular tube (sign framing)
all connections to be welded

51mm x 51mm x 4.8mm aluminum angle (PVC panel support)
spaced 750mm o.c. max.

51mm x 5mm x 4.8mm aluminum square tube (sign framing)
all connections to be welded

19mm s/s anchor bolts with washers and leveling nut (typ)

51mm x 51mm x 4.8mm aluminum angle (PVC panel support)
spaced 750mm o.c. max.

US LED PNT-3-12-W or equivalent - space fixtures as per manufacturer's recommendations to ensure even light distribution

2 x 51mm x 127mm x 4.8mm aluminum rectangular tube (sign framing)
all connections to be welded

US LED PNT-3-12-W or equivalent - space fixtures as per manufacturer's recommendations to ensure even light distribution

US LED PSA-12-60 (LED12A0012V50F) or equivalent power supply - one on each side of the sign

640mm x 254mm x 12mm aluminum plate
fill with 35 MPa non-shrink grout (typ)

19mm s/s anchor bolts with washers and leveling nut (typ)

install insect screen on all foursides of concrete base)

if sign located in paved area provide expansion joint (typ)

electrical junction box

27 mm dia PVC conduit
min depth 450 mm
600mm in traffic areas

1) provide ventilation holes as required
2) US LED PSA-12-60 power supply to provide source of power to a max. of 50 MegaBright 12 LED Modules
3) Sign must have a CSA label as an assembly

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

long section scale 1:15
General Note:
Manufacturer to verify all dimensions prior to sign fabrication. All discrepancies should be reported to the Architect.

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

sign: Sign No. 9 - Major Directional
sheet name: sign construction - details
scale: as noted

sheet number: 07
6.4mm thick aluminum sign panel

19mm thick clear acrylic glued to inside face of aluminum panel. Red translucent vinyl applied to front of push through pictogram and white diffuser vinyl applied on the back face.

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.
2. Fasteners:
   - Foundation (anchor bolts):
     - bolts: Fastenal part #47349 (3/4" s/s threaded )
     - washers: Fastenal part #71027 (3/4" s/s washers)
     - nuts: Fastenal part #70717 (3/4" s/s nuts)
   - panels:
     - security screws panel attachment: Fastenal part #BS0160024SSH200 (10-24 x 3/4" button head security screw)
3. Wherever anchor bolts are cut, contractor to ensure cut surfaces (terminated coating) are protected against rusting.
4. Manufacturer to verify all dimensions prior to sign fabrication. All discrepancies should be reported to the Architect.

STRUCTURAL NOTES (cont)
1. 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.
2. 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 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.

ELECTRICAL NOTES
1. Signs must be provided with CSA label
2. LED modules, power supplies, cable, wire and junction box must be integral with signs
3. All electrical installations to be done in accordance with the Canadian Electrical Code and as recommended by the LED lighting manufacturer.
4. Run 26G x GND conductors in 27mm PVC conduit from sign to existing campus exterior lighting pole standard. Intersect existing underground conduit, install an H20 rated flush junction box with bolt-on cover and splice into exterior lighting circuit.
5. The sign manufacturer shall provide an electrical shop drawings indicating input power requirements and a schematic wiring diagram for the sign.