EXTRUDED ALUMINUM SIGN WITH 1.2L SIGN ARM (INSTALL AS PER SP235-3.3.7 LESS SIGNAL HEADS AND WIRING)

MESSAGE SIGN

175W MV SIGN LIGHT

2400 x 1200

3100

5500 MINIMUM

6900 (TYPE 3)

ROAD GRADE

BREAKAWAY BASE

PRECAST TYPE E2 CONCRETE BASE

UNIT 15.2

UNIT 1.4

SCALE 1:75

NOTE:
REFER TO SCHEDULE OF QUANTITIES AND UNIT PRICES FOR DESCRIPTION OF UNITS

TYPE 3 POLE WITH 1.2m x 2.4m MESSAGE SIGN

Date
Approved

MINISTRY STANDARDS

SS-2
UNIT 16.12

UNIT 15.3

UNIT 1.6 OR 1.7

NOTE:
REFER TO SCHEDULE OF QUANTITIES AND UNIT PRICES FOR DESCRIPTION OF UNITS

TYPE L POLE WITH 1.2m x 2.4m ADVANCE WARNING SIGN

SCALE 1:75

Type l1 or l2 concrete base

British Columbia Ministry of Transportation

No. | Revision | Date  | Date Approved | Specification Drawing No.
---|----------|-------|---------------|---------------------------
A  | ALL HEADS ARE LED | DEC/03 | | SS-3
B  | ALL MOUNTING TO CURRENT | DEC/03 | | |

MINISTRY STANDARDS
UNIT 16.12

LUMINAIRE
 TYPE 2A LUMINAIRE ARM

UNIT 15.4

SIGN ARM AND EXTENSIONS

COVER PLATE

TYPE 3 FLANGE

2400 x 1200

MESSAGE SIGN

175W MV SIGN LIGHT

EXTRUDED ALUMINUM SIGN WITH 1.2L SIGN ARM (INSTALL AS PER SP235-3.3.7 LESS SIGNAL HEADS AND WIRING)

5500 MINIMUM

ROAD GRADE

6750 (TYPE L)

UNIT 1.6 OR 1.7

TYPE L1 OR L2 CONCRETE BASE

2300

SCALE 1:75

NOTE:
REFER TO SCHEDULE OF QUANTITIES AND UNIT PRICES FOR DESCRIPTION OF UNITS

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TYPE L POLE WITH 1.2m x 2.4m MESSAGE SIGN

Date
Approved

SPECIFICATION DRAWING No.
SS-4

Ministry of Transportation

Electrical Engineer
UNIT 16.12

UNIT 15.5

UNIT 1.8 OR 1.9

MESSAGE SIGN

250W MV SIGN LIGHT

EXTRUDED 2.4 x 3 m ALUMINUM MESSAGE SIGN WITH 5.5 m SIGN ARM, 3 VERTICALS AND ONE SIGN LUM (INSTALL AS PER SP235-3.3.11)

TYPE M POLE WITH 2.4m x 3.0m MESSAGE SIGN

TYPE M1 CONCRETE SPREAD FOOTING OR TYPE M2 CONCRETE BASE

SCALE 1:75

NOTE:
REFER TO SCHEDULE OF QUANTITIES AND UNIT PRICES FOR DESCRIPTION OF UNITS

MINISTRY STANDARDS

A ALL MOUNTING TO CURRENT DEC/03

电气工程师

SPECIFICATION DRAWING No. SS-5
NOTE:
REFER TO SCHEDULE OF QUANTITIES AND UNIT PRICES FOR DESCRIPTION OF UNITS

UNIT 16.12

UNIT 15.7

UNIT 1.5

SCALE 1:75

TYPE 6 OR TYPE 7 POLE WITH SMALL OVERHEAD SIGN

PRECAST TYPE F2 CONCRETE BASE

SP-5AL

3000 (3A ARM)

1800 (7B EXT.)

2500

2500

2500

2500 (7C EXT.)

2500

6200

2500

2500

SP-5AL

LUMINAIRE

TYPE 2A LUMINAIRE ARM

SMALL OVERHEAD SIGNS (MOUNTED BACK TO BACK)

INSTALL TYPE 7 SHAFT WHEN LUMINAIRE IS REQUIRED
INSTALL TYPE 6 SHAFT WHEN LUMINAIRE IS NOT REQUIRED

SMALL HANDHOLE

UNIT 1.5

PRECAST TYPE F2 CONCRETE BASE

2300
UNIT 16.12

UNIT 15.8

UNIT 16.12

PLUMBIZER MOUNT AND SIGN BRACKET (TYP.)

11000
(L SIGNAL ARM)

2500

2500

1750
(1.75L)

TYPE L POLE WITH SMALL OVERHEAD SIGNS

TYPE 2A LUMINAIRE ARM

COVER PLATE

TYPE 3 FLANGE

SCALE 1:75

2300

2500

6750
(TYPE L)

R-33L

R-32

R-33R

MINISTRY STANDARDS

No. Revision Date
A ALL MOUNTING TO CURRENT DEC/03

TYPE L1 OR L2 CONCRETE BASE

NOTE:
REFER TO SCHEDULE OF QUANTITIES AND UNIT PRICES FOR DESCRIPTION OF UNITS

Date Approved

SPECIFICATION DRAWING No.

SS-7

Electrical Engineer
NOTE:
REFER TO SCHEDULE OF QUANTITIES AND UNIT PRICES FOR DESCRIPTION OF UNITS

TYPE 1 OR TYPE 3 SIGNAL POLE

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TYPE L SIGNAL POLE

TYPE L1 OR L2 CONCRETE BASE

SCALE 1:75
UNIT 16.12

UNIT 14.4

UNIT 1.8 OR 1.9

SCALE 1:75

NOTE:
REFER TO SCHEDULE OF QUANTITIES AND UNIT PRICES FOR DESCRIPTION OF UNITS

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MINISTRY STANDARDS

TYPE M SIGNAL POLE

Date

Approved

SPECIFICATION DRAWING No.

TS—4

Ministry of Transportation
Scale 1:75

NOTE:
REFER TO SCHEDULE OF QUANTITIES AND UNIT PRICES FOR DESCRIPTION OF UNITS

TYPE 4 SIGNAL POLE WITH ONE HEAD

No. Revision Date
A ALL HEADS ARE LED DEC/03
B ALL MOUNTING TO CURRENT DEC/03
MINISTRY STANDARDS

Date Approved

SPECIFICATION DRAWING No.
TS–5

Electrical Engineer
TYPE 4A SIGNAL POLE WITH THREE HEADS

NOTE:
REFER TO SCHEDULE OF QUANTITIES AND UNIT PRICES FOR DESCRIPTION OF UNITS

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Date          Approved
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SPECIFICATION DRAWING No.
TS-7

Ministry of Transportation

BRITISH COLUMBIA
NOTE:
REFER TO SCHEDULE OF QUANTITIES AND UNIT PRICES FOR DESCRIPTION OF UNITS

TYPE 5 SIGNAL POLE WITH PRIMARY HEAD

Date   Approved

SPECIFICATION DRAWING No.
TS-8

Electrical Engineer
NOTES
1. SEE STANDARD SPECIFICATIONS & SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
3. LOOP CONDUCTORS SHALL BE INSTALLED IN THE SLOTTED SAWCUT.
4. LOOP INSTALLATION PROCEDURES & RULES SHALL BE FOLLOWED IN ACCORDANCE WITH DRAWINGS ISC–10 AND –11.
5. ALL RECTANGULAR DETECTOR LOOPS SHALL BE 4 TURN UNLESS OTHERWISE NOTED.
6. LOOP SHALL BE INSTALLED WITHIN 2mm OF ALL GIVEN DIMENSIONS.

NOT TO SCALE

SHAFLIK ENGINEERING LTD.
CONSULTING ENGINEERS

INTERSECTION SAFETY CAMERA DETECTOR LOOP DETAILS

DES. D.S.M. DATE 98–10–02 DRAWING NUMBER ISC–5

DRAWD R.F. QUALITY CONTROL
NOTES

1. SEE STANDARD SPECIFICATIONS & SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

2. ALL DIMENSIONS ARE IN MILLIMETRES.

3. LOOPS IN ASPHALT SHALL BE SEALED WITH ELSRO HOT POUR CRACK FILLER No. 1190 OR B.P. BURFALT 16607 170, TYPE 2. LOOPS AND LEADS IN CONCRETE SHALL BE SEALED WITH 3M SCOTCHCOAT DP125 EPOXY ADHESIVE. APPLY WITH EXP PLUS APPlicATOR. ALTERNATE PRODUCTS MUST MEET ICBC APPROVAL.

4. APPROVED BACKER RODS ARE DETECTOR SYSTEMS BR-625. ALTERNATE PRODUCTS MUST MEET MINISTRY APPROVAL.

5. ONLY ONE LOOP SHALL BE INSTALLED IN EACH HOME RUN SLOT.

6. WHERE ASPHALT AND CONCRETE MEET, SEAL JOINT WITH ASPHALT SEALANT.

7. LOOP CONDUCTOR SHALL BE B5CC No.14 AWG CALTRANS TYPE 2 600V, 150°C LOOP DETECTOR WIRE.

SHAFLIK ENGINEERING LTD.  
CONSULTING ENGINEERS  

INTERSECTION SAFETY CAMERA LOOP & HOME RUN SLOT DETAILS
Refer to Rule 8 on Drawing ISC-11 for minimum allowable ground to resistance and maximum variation in inductance values.

Intersection: ____________________

Date: __________________ Drawing No. ____________________ ICBC Rep.: ____________________

Electrician/Contractor: ____________________ Company: ____________________

Loop Sealant Used: ____________________ Pavement Conditions*: ____________________

Weather Conditions: Air Temp: ____________________ Precipitation: ____________________

<table>
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<th>Loop # as per DWG</th>
<th>ISC-1</th>
<th>ISC-3</th>
<th>ISC-2</th>
<th>ISC-4</th>
<th>ISC-5</th>
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<td>Resistance to ground**</td>
<td>at loop</td>
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<td>Loop Resistance</td>
<td>at loop</td>
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<td>(micro Henrys) at camera pole</td>
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* example of possible pavement conditions: good, cracked, sealed cracked, ruts at stop bar, pavement patches

** megger test – max 250V DC