



- NOTES**
1. PROVIDE "RAISED" IDENTIFICATION NO. WITH WELDING ELECTRODE FOR THE SIGN STRUCTURE.
 2. GRIND ALL SHARP POINTS AND EDGES.

GENERAL NOTES

1. DESIGN DATA
AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS, 5TH EDITION, 2009.
DESIGN WIND LOAD = 1.44 kPa (30 PSF)
DESIGN ICE LOAD = 0.15 kPa (3 PSF)
2. ALL MATERIALS SHALL BE CSA G40.21 - 350W STRUCTURAL STEEL UNLESS OTHERWISE NOTED.
3. ALL MATERIALS EXCEPT STAINLESS STEEL AND ALUMINUM SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH CSA G164 TO A MIN. NET RETENTION OF 610 g/m²
4. ALL AREAS OF DAMAGED GALVANIZING SHALL BE REPAIRED WITH SELF-FLUXING LOW TEMPERATURE, ZINC BASED ALLOY ROD OR SPRAY-ON COATING CALLED "ZINGA".
5. SIGNS
ONE SIGN PANEL
SIZE 3353 x 1829 mm. SUPPLIED AND INSTALLED BY THE CITY OF WINNIPEG TRAFFIC SERVICES BRANCH.

BILL OF MATERIALS		
MK	QTY	DESCRIPTION
1	1	OCTAGONAL SHAFT 450 A/F x 12.7
2	1	OCTAGONAL ARM 350 A/F TO 200 A/F x 9.525
3	1	BASE PLATE 800 DIA. x 50 THICK (GR. 300W)
4	1	BACKUP STRIP 40 x 6 (FOR SHAFT)
5	1	BACKUP STRIP 40 x 6 (FOR ARM)
6	1	END PLATE 200 A/F OCTAGONAL 6 THICK
7	16	22 DIA. x 100 LG. A325 BOLTS GALV. C/W NUT & WASHER
8	2	FLANGE PLATE 650 x 640 x 38 (GR. 300W)
9	2	SIDE GUSSET PLATE 20 x 640 x 300
10	1	TOP GUSSET PLATE 10 THICK
11	1	BOTTOM GUSSET PLATE 10 THICK
12	1	COVER PLATE 470 DIA x 10 THICK
13	2	OCTAGONAL INTERIOR GUSSET PLATE 8 THICK
		HANDHOLE MARK H1 (1 REQ'D.)
18	1	COVER PLATE 11 GA. x 160x 340 (A569)
19	1	REINFORCING RING 8 x 65 x 830
* 20	2	CLAMP BAR 6 x 40 x 180
* 21	2	10 DIA. x 140 BOLT S/S (TYPE 316)
* 22	1	GROUND STUD ASSEMBLY 10 DIA. x 40
		HANDHOLE MARK H2 (1 REQ'D.)
23	1	COVER PLATE 11 GA. x 130 x 220 (A569)
24	1	REINFORCING RING 8 x 65 x 555
* 25	1	CLAMP BAR 6 x 40 x 150
* 21	1	10 DIA. x 140 BOLT S/S (TYPE 316)
* 22	1	GROUND STUD ASSEMBLY 10 DIA. x 40
		SIGN MOUNTING BRACKET BR1 (7 REQ'D.)
26	2	CLAMP BAR 10 x 76 (LENGTH TO SUIT)
27	1	BRACKET PL. 10 THICK
28	2	3/4" DIA. x 3" A325 BOLT (GALV.)
29	2	3/4" DIA. x 2" S/S BOLT (TYPE 316)

* NOTES:
1. MARK NO. 29 C/W NUT AND LOCKWASHER.
2. MARK NO. 20 & 25 C/W 8-DIA. PUNCHED 10 N.C. TAPPED AT THE CENTER OF PLATE.
3. MARK NO. 21 C/W CUP WASHER.
4. MARK NO. 22 C/W 2-10 DIA. HEX NUT, 2-TERMINAL WASHER. & 1-LOCKWASHER

B.M. ELEV.	DESIGNED BY CDW			
	DRAWN BY APH			
	CHECKED BY SSR			
	APPROVED BY			
1 ISSUED FOR TENDER	07/08/11 CDW	RELEASED FOR CONSTRUCTION	CONSULTANT PROJECT NO. 11-4597	STEEL OVERHEAD SIGN SUPPORT STRUCTURES - 2011 MAINTENANCE WORKS
NO. REVISIONS	DATE BY	ORIGINAL SIGNED BY B.A. NEIRINCK	DATE 07/08/11	STRUCTURE NO. S572 DETAILS

CITY DRAWING NUMBER OHSS-11-10 SHEET 10 OF 12 CONSULTANT DRAWING NUMBER