



S 6 2 2 - V

STRUCTURE IDENTIFICATION NUMBER SIZE
NTS

SECTION 'D-D'
NTS

BILL OF MATERIALS		
MK.	QTY.	DESCRIPTION
1	1	DODECAGONAL SHAFT 240 A/F x 6.350 THICK PLATE
2	1	BACK-UP STRIP 38 x 4.763
3	1	BASE PLATE 38 THICK
4	1	TOP PLATE 12 THICK
5	2	DODECAGONAL GUSSET PLATE 8 THICK
6	1	DODECAGONAL ARM 240 A/F TO 100 A/F x 6.350 THICK PLATE
7	1	DODECAGONAL END PLATE 100 A/F x 4.763 THICK
8	1	BACK-UP STRIP 38 x 4.763
9	2	FLANGE PLATE 32 THICK
10	8	22 DIA. BOLTS C/W NUT & 2 WASHERS (ASTM A325)
11	2	SIDE GUSSET PLATE 20 THICK
12	1	GUSSET PLATE 12 THICK
13	1	GUSSET PLATE 12 THICK
14	8	PLATE WASHER 8 THICK
HANDHOLE MARK H1		
15	1	COVER PLATE 11 GA. x 160x 340 (ASTM A569)
16	1	REINFORCING RING 8 x 65 x 830
17	2	CLAMP BAR 6 x 40 x 180
18	2	10 DIA. x 140 BOLT S/S (TYPE 316)
19	1	GROUND STUD ASSEMBLY 10 DIA. x 40
HANDHOLE MARK H2		
20	1	COVER PLATE 11 GA. x 130 x 220 (ASTM A569)
21	1	REINFORCING RING 8 x 65 x 555
22	1	CLAMP BAR 6 x 40 x 150
18	1	10 DIA. x 140 BOLT S/S (TYPE 316)
19	1	GROUND STUD ASSEMBLY 10 DIA. x 40

***NOTES:**

- MARK NO. 17 & 22 C/W 8-DIA. PUNCHED 10 N.C. TAPPED AT THE CENTER OF PLATE.
- MARK NO. 18 C/W CUP WASHER.
- MARK NO. 19 C/W 2-10 DIA. HEX NUT, 2-TERMINAL WASHER, & 1-LOCKWASHER

GENERAL NOTES

- DESIGN DATA**
 - AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS, 5TH EDITION, 2009, PLUS INTERIMS.
 - DESIGN WIND LOAD = 1.5 kPa
 - DESIGN ICE LOAD = 0.15 kPa
 - FATIGUE CATEGORY II CONSIDERING NATURAL WIND GUSTS, TRUCK INDUCED GUSTS, AND GALLOPING.
- ALL PLATE MATERIALS SHALL BE CSA G40.21 - 300W STRUCTURAL STEEL.
- ALL MATERIALS EXCEPT STAINLESS STEEL AND ALUMINUM SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A123 TO A MIN. NET RETENTION OF 610 g/m².
- ALL AREAS OF DAMAGED GALVANIZING SHALL BE REPAIRED WITH SPRAY-ON COATING CALLED "ZINGA".
- SIGNS**
 - 3 SIGN PLATES, MAXIMUM SIZE 900 x 900 mm EACH, SUPPLIED AND INSTALLED BY THE CITY OF WINNIPEG TRAFFIC SERVICES BRANCH.
- INSTALL HOLES IN THE GUSSET PLATES FOR DRAINAGE DURING GALVANIZING AS DETAILED.
- PROVIDE "RAISED" IDENTIFICATION NO. WITH WELDING ELECTRODE FOR THE SIGN STRUCTURE.
- GRIND ALL SHARP POINTS AND EDGES.
- EXTERIOR WELD JOINING SHAFT TO TRANSVERSE PLATE SHALL BE AN UNEQUAL LEG COMPLETE PENETRATION WELD WITH THE LONG LEG OF THE WELD ALONG THE SHAFT TERMINATING AT 30° FROM THE SHAFT SURFACE.

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METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES



DESIGNED BY CDW	DESIGN TEAM DILLON CONSULTING	ENGINEER'S SEAL PROVINCE OF MANITOBA ORIGINAL STAMPED BY S.S. RIHAL MAY 17, 2013 REGISTERED PROFESSIONAL ENGINEER	THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT STEEL OVERHEAD SIGN SUPPORT STRUCTURES - 2013 MAINTENANCE WORKS STRUCTURE NO. S622 DETAILS	CITY DRAWING NUMBER OHSS-13-05
DRAWN BY JD	CHECKED BY SSR	RELEASED FOR CONSTRUCTION VERTICAL B. A. NEIRINCK		SHEET 5 OF 8
APPROVED BY -	HOR. SCALE -	CONSULTANT PROJECT NUMBER 13-7409		CONSULTANT DRAWING NUMBER N/A
NO. REVISIONS	DATE BY	DATE	05-17-13	