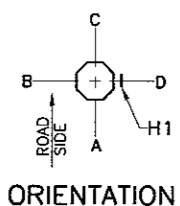
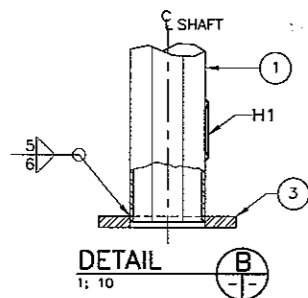


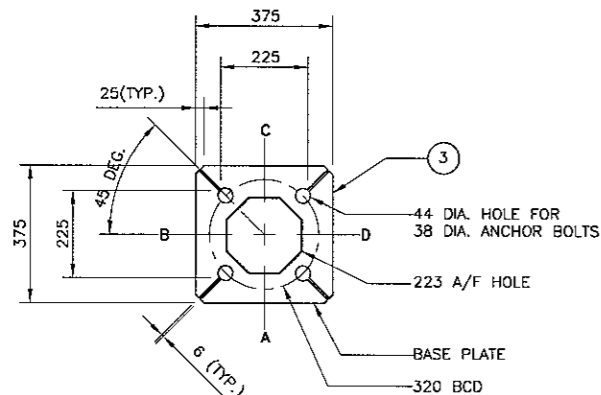
ELEVATION
1: 50



ORIENTATION



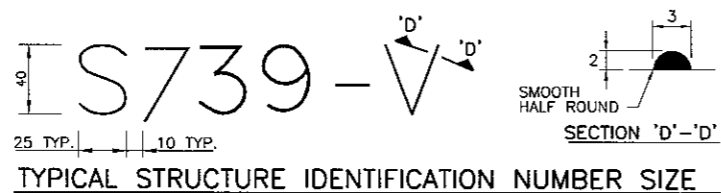
DETAIL (B)
1: 10



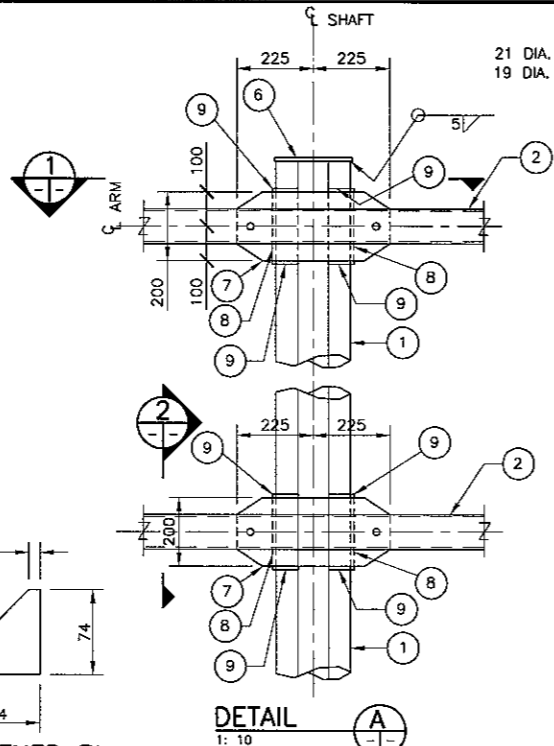
BASE PLATE DETAIL
1: 10

NOTES

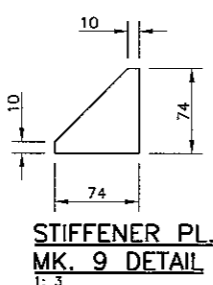
- 1. PROVIDE "RAISED" IDENTIFICATION NO. WITH WELDING ELECTRODE FOR THE SIGN STRUCTURE.
- 2. GRIND ALL SHARP POINTS AND EDGES.



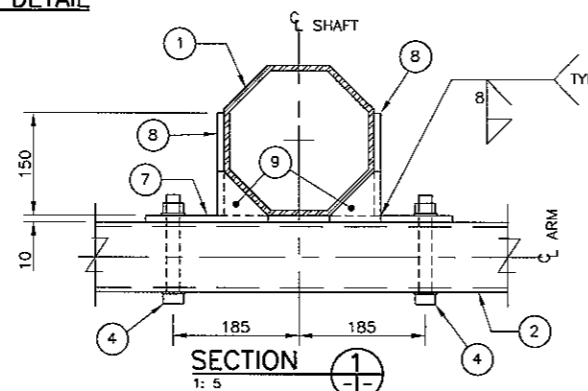
TYPICAL STRUCTURE IDENTIFICATION NUMBER SIZE



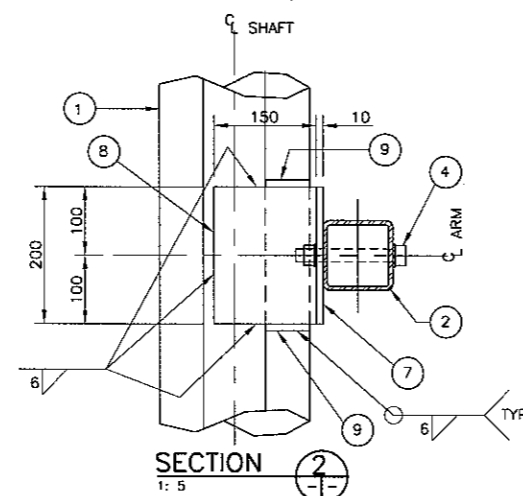
DETAIL (A)
1: 10



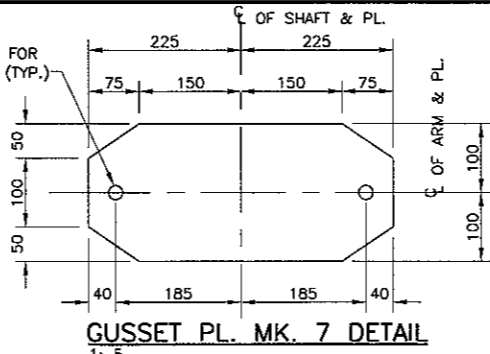
STIFFENER PL. MK. 9 DETAIL
1: 3



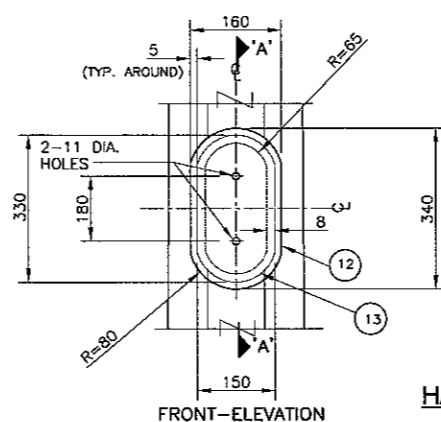
SECTION (1)
1: 5



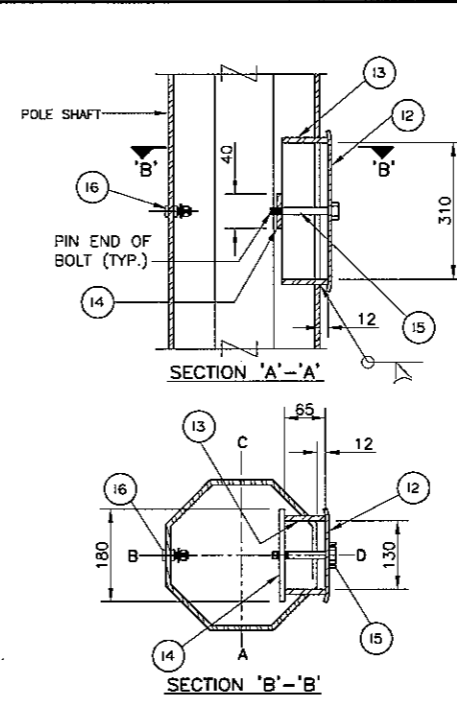
SECTION (2)
1: 5



GUSSET PL. MK. 7 DETAIL
1: 5



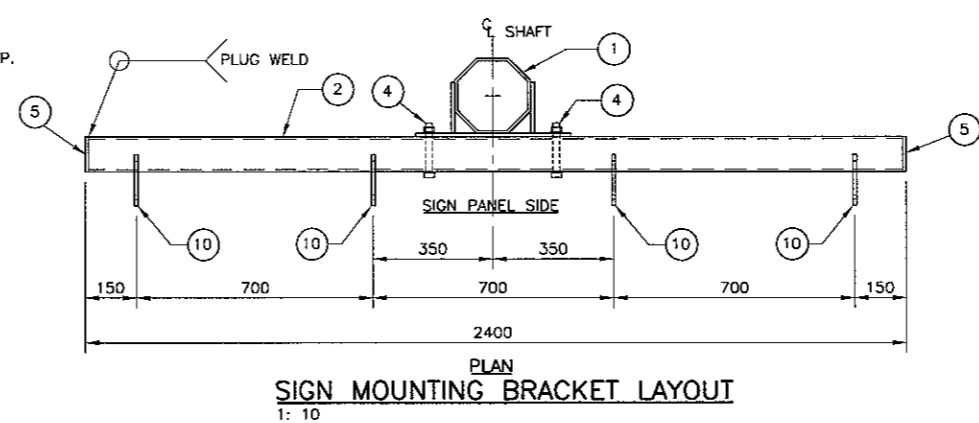
FRONT-ELEVATION
1: 5



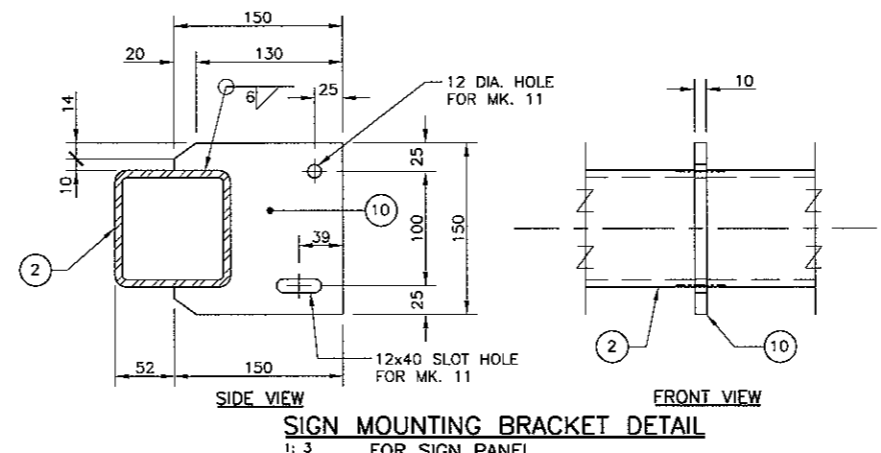
SECTION 'A'-A'
1: 5

SECTION 'B'-B'
1: 5

HANDHOLE-MARK H1



PLAN SIGN MOUNTING BRACKET LAYOUT
1: 10



SIGN MOUNTING BRACKET DETAIL
1: 3 FOR SIGN PANEL

BILL OF MATERIALS		
MK. QTY.	DESCRIPTION	
1	1	OCTAGONAL SHAFT 220 A/F x 8
2	2	CROSS ARM HSS 102 x 102 x 6.4
3	1	BASE PLATE 40 THICK
4	4	19 DIA. ASTM A325 HOT-DIP GALV. BOLTS
5	4	ARM END COVER PLATE 102 x 102 x 6
6	1	COVER PLATE 240 DIA. 10 THICK
7	2	FRONT GUSSET PLATE 450 x 200 x 10
8	4	SIDE GUSSET PLATE 200 x 150 x 10
9	8	STIFFENER PLATE 10 THICK
SIGN MOUNTING BRACKETS (4-REQ'D.EA. ARM)		
10	8	BRACKET PLATE 10 THICK
11	16	10 DIA. BOLTS S/S (TYPE 316)
HANDHOLE MARK H1		
12	1	COVER PLATE 11 GA. x 160x 340 (A569)
13	1	REINFORCING RING 8 x 65 x 830
14	2	CLAMP BAR 6 x 40 x 180
15	2	10 DIA. x 140 BOLT S/S (TYPE 316)
16	1	GROUND STUD ASSEMBLY 10 DIA. x 40

- *NOTES:**
- 1. MARK NO. 4 & 11 C/W NUT AND WASHER.
 - 2. MARK NO. 14 C/W 8-DIA. PUNCHED 10 N.C. TAPPED AT THE CENTER OF PLATE.
 - 3. MARK NO. 15 C/W CUP WASHER.
 - 4. MARK NO. 16 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, 4TH EDITION, 2001.
DESIGN WIND LOAD = 1.44 kPa (30 PSF)
DESIGN ICE LOAD = 0.15 kPa (3 PSF)
 - ALL MATERIALS SHALL BE CSA G40.21 - 350W STRUCTURAL STEEL UNLESS OTHERWISE NOTED.
 - ALL MATERIALS EXCEPT STAINLESS STEEL AND ALUMINUM SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH CSA G164 TO A MIN. NET RETENTION OF 600 g/m²
 - ALL AREAS OF DAMAGED GALVANIZING SHALL BE REPAIRED WITH SELF-FLUXING LOW TEMPERATURE, ZINC BASED ALLOY ROD OR SPRAY-ON COATING CALLED ZINGA.
 - NEW STRUCTURE TO BE INSTALLED ON EXIST. CONCRETE PILE FOUNDATION AND ANCHOR BOLTS.
 - NEW 50 mm. MAX. GROUT PAD TO BE PROVIDED AFTER INSTALLING THE STRUCTURE.
 - SIGNS**
ONE SIGN PANEL
MAXIMUM SIZE 3000 WIDE x 2000 HIGH
SUPPLIED AND INSTALLED BY THE CITY OF WINNIPEG TRAFFIC SERVICES BRANCH

THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT

Winnipeg

OVERHEAD SIGN SUPPORT STRUCTURE MAINTENANCE WORKS 2006 PROGRAM

STRUCTURE NO. S739 FABRICATION DETAILS

CITY DRAWING NUMBER OHSS-06-07 SHEET 7 OF 7

ENGINEER'S SEAL: PROVINCE OF MANITOBA, S.S. RIJHAL, REGISTERED PROFESSIONAL ENGINEER

CONSULTANT PROJECT NO. 06-6011-1000

DESIGNED BY: S.S.R.
DRAWN BY: N.B.G.
CHECKED BY: S.S.R.
APPROVED BY: [Signature]
SCALE: HORZ. AS SHOWN
DATE: MAY 2006
AUTHORIZED BY: [Signature] 2006 05 12

DILLON CONSULTING

ISSUED FOR TENDER 5/10/06 SSR