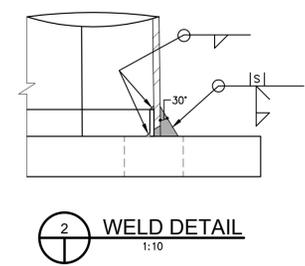
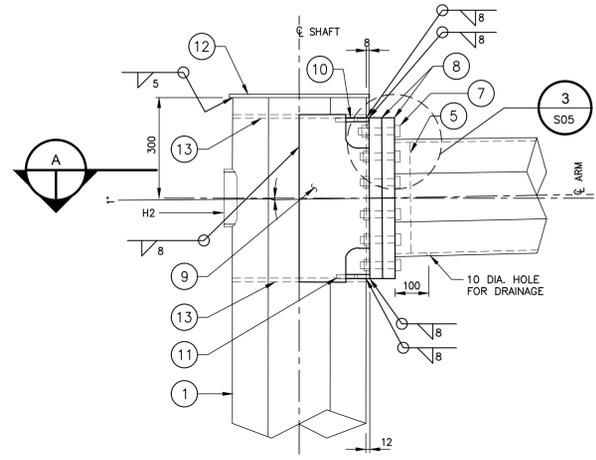


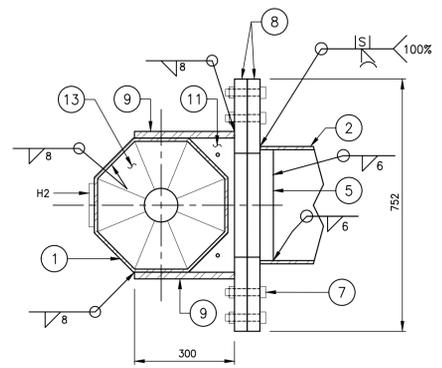
BASE PLATE DETAIL
1:10



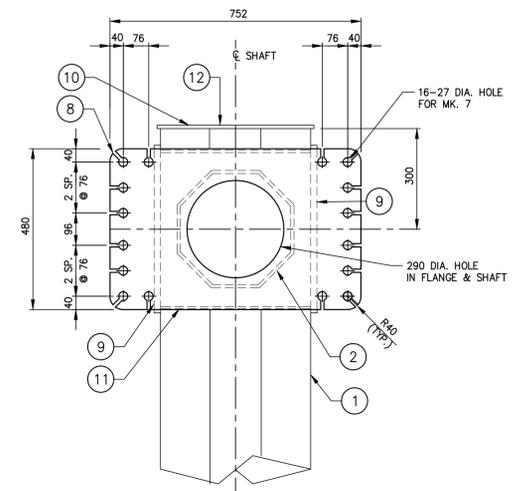
WELD DETAIL
1:10



DETAIL
1:10



SECTION
1:10



FLANGE PLATE DETAIL
1:10

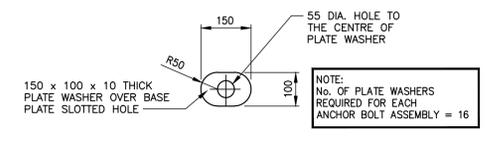
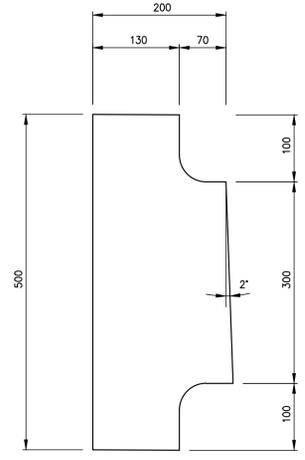
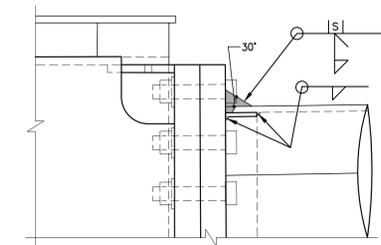


PLATE WASHER DETAIL
1:10



SIDE GUSSET PLATE MK. 9
1:5



WELD DETAIL
1:10

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

APEGM
Certificate of Authorization
MMM Group Limited
No. 4531

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

Winnipeg

PEMBINA HIGHWAY
FROM CARTER AVENUE TO OSBORNE STREET

OVERHEAD SIGN STRUCTURES
S779 - FABRICATION DETAILS (1 OF 2)

CITY DRAWING NUMBER
SHEET 26 OF 27

BID NO.
386-2016

GENERAL NOTES

DESIGN DATA

- AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 5TH EDITION, 2009.
- DESIGN WIND LOADS = 1.50 kPa (30 PSF)
- DESIGN ICE LOAD = 0.15 kPa (3 PSF)
- ALL MATERIALS ARE CSA G40.21 - 350W STRUCTURAL STEEL UNLESS OTHERWISE NOTED.
- ALL MATERIALS EXCEPT STAINLESS STEEL AND ALUMINUM ARE HOT-DIP GALVANIZED IN ACCORDANCE WITH CSA G164 TO A MINIMUM NET RETENTION OF 600 g/m.
- ALL AREAS OF DAMAGED GALVANIZING REPAIRED WITH SELF-FLUXING LOW TEMPERATURE, ZINC BASED ALLOY ROD OR SPRAY ON COATING CALLED "ZINGA".
- DESIGN TO FATIGUE CATEGORY II FOR ALL LOAD CASES.

SIGNS

- FOUR SIGN PANELS
SIZES:
3 - 900 x 900
1 - 900 x 1350
SUPPLIED AND INSTALLED BY THE CITY OF WINNIPEG TRAFFIC SERVICES BRANCH.
- INSTALL HOLES IN THE GUSSET PLATES FOR DRAINAGE DURING GALVANIZING AS DETAILED.
- LONGITUDINAL SEAM WELD SHALL HAVE 60% PENETRATION EXCEPT WITHIN 150 mm OF BASE PLATES AND FLANGE PLATES WHERE IT SHALL BE 100% PENETRATION.

NOTE:
These design documents are prepared solely for the use by the party with whom the design professional has entered into a contract and there are no representations of any kind made by the design professional to any party with whom the design professional has not entered into a contract.

LOCATIONS APPROVED UNDERGROUND STRUCTURES		BENCHMARK LOCATION	
SIGNATURE	DATE	ELEV.	DESCRIPTION
232.929			LOCATED ON "O" OF OPEN ON HYDRANT, SOUTHEAST CORNER OF PEMBINA HIGHWAY AND DALY STREET NORTH
5	ADDENDUM 2	27.MAY.16	VM
4	ADDENDUM 1	26.MAY.16	VM
3	ISSUED FOR TENDER	16.MAY.16	VM
2	ISSUED TO UNDERGROUND STRUCTURES	16.MAY.16	VM
1	ISSUED FOR CLIENT REVIEW	28.APR.16	VM
NO.	REVISIONS	DATE	BY

MMM GROUP

DESIGNED BY: **MGM**
DRAWN BY: **KD**
APPROVED BY: **TR/EH**
JPL

HOR. SCALE: **AS NOTED**
VERTICAL: **AS NOTED**

DATE: **MAY 16 2016**

ENGINEER'S SEAL
J. P. LUKASHENKO
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT ACAD DWG. NO.
5516006-S-05

May 26, 2016 - 11:38am
 P:\5516006-5516006- Pembina Hwy Pavement, Road & Blue Lane\MM\Drawings\Overhead Structures\5516006_Pembina Hwy On Sign_S01-S06.dwg - Tab: S-05