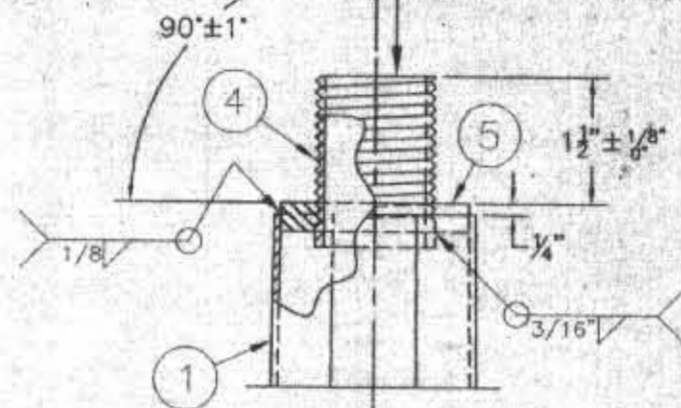
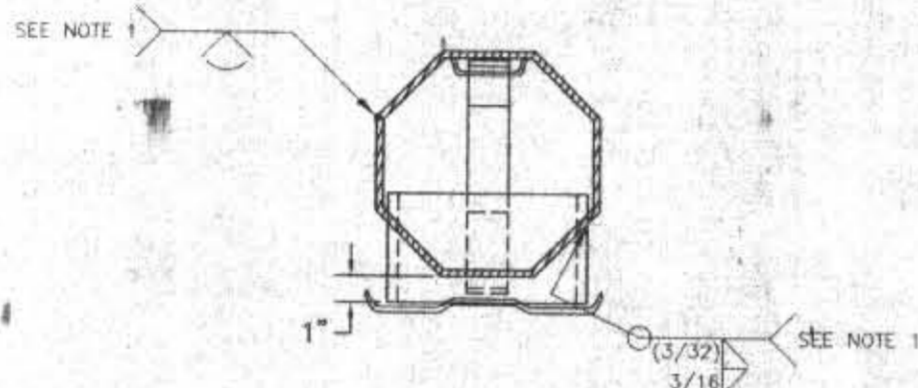


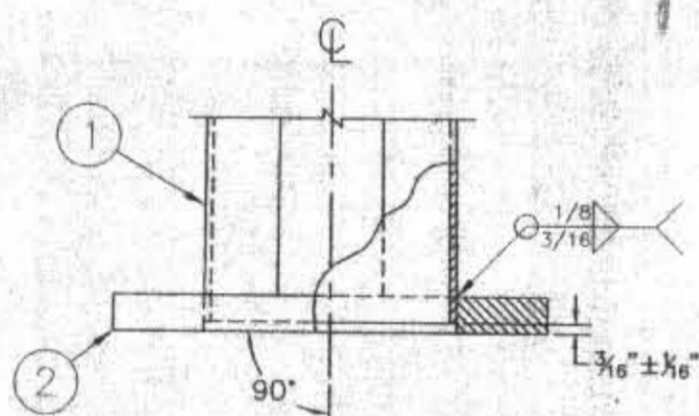
STRAIGHT 1 1/2" NPT- 11 1/2 THREADS PER INCH x 1 3/4" LONG THREAD. PROTECT THREADS WHEN WELDING, AND CLEAN AFTER GALVANIZING. PROTECT THREADS FOR SHIPMENT WITH A SLIP ON PLASTIC PROTECTIVE COVER.



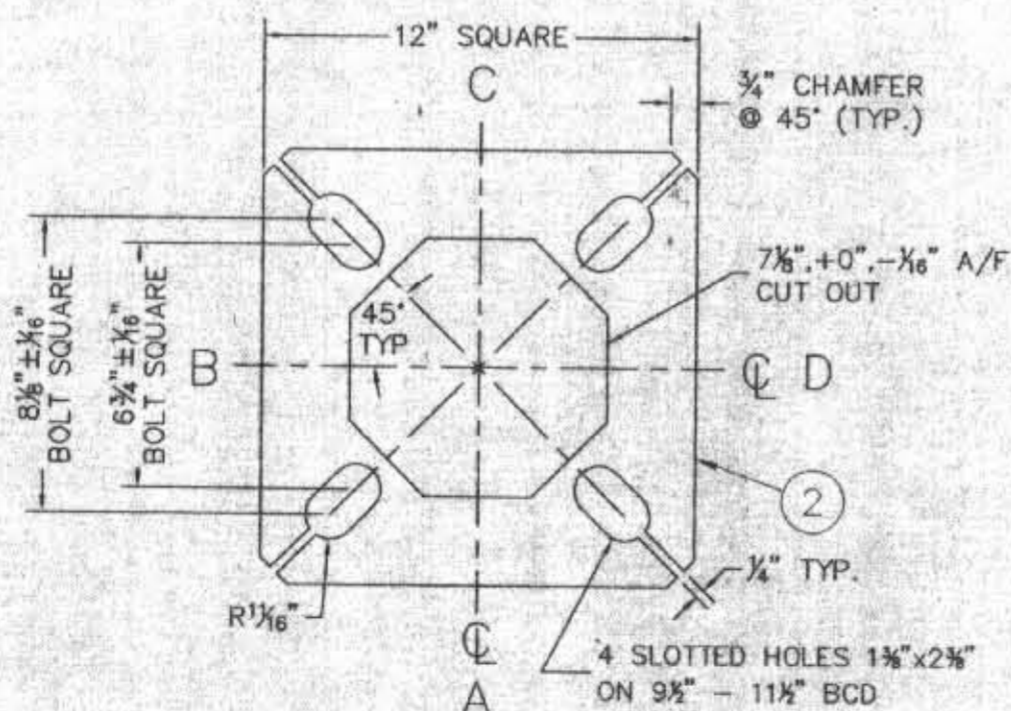
DETAIL B



SECTION B-B



DETAIL "A"



BASE PLATE DETAIL

ITEM No.	No. REQ'D	DESCRIPTION	MATERIAL	DWG No.
1	1	OCT. SECT. SHAFT 7" A/F TO 4 3/4" A/F EXTERIOR DIM.	11 GA. A570 GR.50	
2	1	BASE PLATE 12" SQUARE	1" PL. G40.21 44W	
3	1	ACCESS PANEL 4 3/4" x 24" (38 CIRCUIT) c/w COVER ASSY.		ST-164 & ST-111
4	1	PIPE 1 1/2" IPS (1.9" OD) x 2 1/2" LONG	A53 GR.B SCHED.40	
5	1	NIPPLE PLATE 4 1/2" A/F OCTAGON	1/2" PL. G40.21 44W	

**FINISH:**

HOT DIP GALVANIZE TO CSA STANDARD G164-M92 TO NET MINIMUM RETENTION OF 600 g/m<sup>2</sup>. ALL AREAS OF DAMAGED GALVANIZING SHALL BE REPAIRED WITH SELF FLUXING LOW TEMPERATURE ZINC BASED ALLOY ROD. USE OF SPRAY ON COATINGS IS NOT ACCEPTABLE.

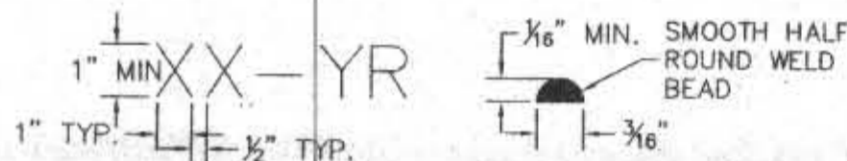
**NOTES:**

**1. WELDING**

ALL WELDING SHALL CONFORM TO CSA STANDARD W59. FABRICATOR SHALL BE FULLY APPROVED BY THE CANADIAN WELDING BUREAU AS PER CSA STANDARD W47.1. LONGITUDINAL SEAM WELD SHALL HAVE 60% MINIMUM PENETRATION EXCEPT 6" FROM LOWER END AND 4" FROM UPPER END SHALL BE COMPLETE PENETRATION. THE START AND END OF COMPLETE PENETRATION LONGITUDINAL SEAM WELD SECTIONS SHALL BE SMOOTH AND FREE OF NOTCHES OR OTHER WELD DEFECTS. ACCESS OPENING RING TO SHAFT WELD SHALL HAVE AN EFFECTIVE THROAT EQUAL OR GREATER THAN THICKNESS OF SHAFT.

**2. IDENTIFICATION**

WELD IDENTIFICATION CODE XX-YR ON SHAFT WITHIN 24" OF BOTTOM OF SHAFT. XX IS THE POLE MANUFACTURERS CODE AND YR IS THE LAST TWO DIGITS OF YEAR OF MANUFACTURE.

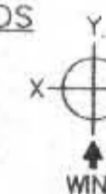


**3. TOLERANCES**

ALL ACROSS FLAT (A/F) ARE EXTERIOR DIMENSIONS. THE TOP OF THE SHAFT SHALL BE 4 3/4" +0, -1/8" AND BOTTOM OF SHAFT SHALL BE 7" +0, -1/8" A/F.

**MAXIMUM UNFACTORED BASELOADS**

MX	4390 lb.ft.
MY	914 lb.ft.
TORSION	92 lb.ft.
SHEAR X	103 lb.
SHEAR Y	518 lb.
DEAD LOAD	260 lb.



REV. No.	DATE	REVISIONS	APPROVED
2	MAY 26, 2004	REDRAWN, ADDED SHEET 2	<i>selme</i>

**THE CITY OF WINNIPEG**  
PUBLIC WORKS DEPARTMENT  
TRANSPORTATION DIVISION

**GES ENGINEERING INC.**

CALGARY, AB. PHONE (403) 240-2921 FAX (403) 240-3713

TRAFFIC SIGNAL LIGHT DUTY STRAIGHT  
SHAFT POLE OF 10 FEET IN HEIGHT

DESIGNED AND APPROVED <i>Selme</i> GES Engineering Inc. DATE Aug 17, 2004	DRAWN G.G. DATE MAY 12, 2004	DWG No. ST-165	SCALE NTS	SHEET 1 OF 2	REV. No. 2
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