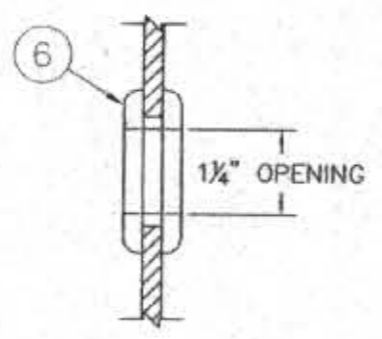
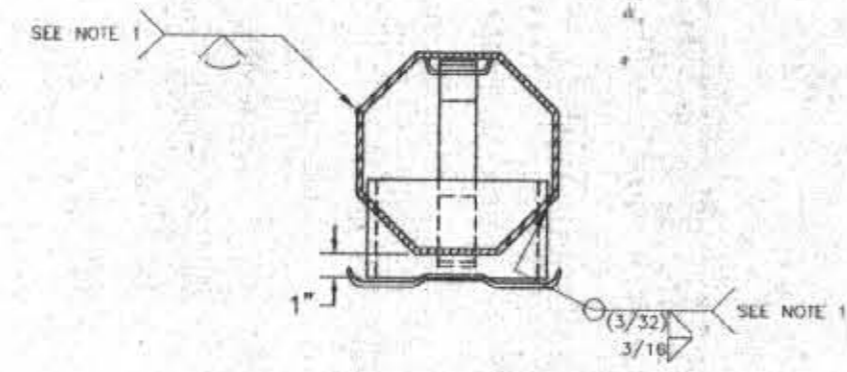


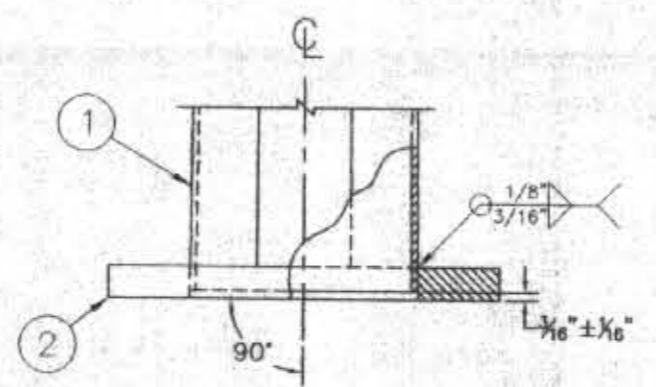
SECTION C-C



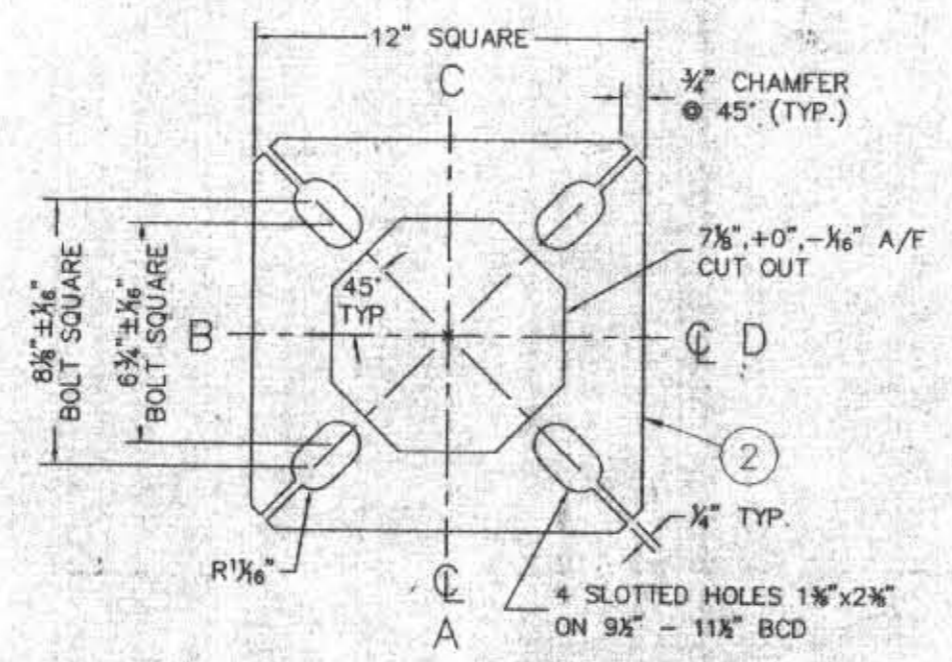
SECTION A-A



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 5 1/2" 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 ASS'Y.		ST-164 & ST-111
4	2	KNOCK OUT PLUG 1/2" DIA.	STEEL PLATED OR PVC	
5	1	TOP PLATE 5 1/4" A/F OCTAGON	1/2" PL. G40.21 44W	
6	1	1 1/4" I.D. RUBBER GROMMET	SPAENAUER No. 315-049	

**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 FLATS (A/F) ARE EXTERIOR DIMENSIONS. THE TOP OF SHAFT SHALL BE 5 1/2" +0, -1/8" A/F AND BOTTOM OF SHAFT SHALL BE 7" +0, -1/8" A/F.

**MAXIMUM UNFACTORED BASELOADS**

MX	7395 lb.ft.
MY	1496 lb.ft.
TORSION	92 lb.ft.
SHEAR X	140 lb.
SHEAR Y	697 lb.
DEAD LOAD	345 lb.



2	MAY 26, 2004	REDRAWN, ADDED SHEET 2	
REV. No.	DATE	REVISIONS	APPROVED

**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 18 FEET IN HEIGHT

DESIGNED AND APPROVED D. Selme DATE GES Engineering Inc Aug 17, 2004	DRAWN G.G. DATE MAY 12, 2004	DWG No. ST-166	SCALE NTS	SHEET 1 OF 2	REV. No. 2
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