

No.	No. REQ'D	DESCRIPTION	MATERIAL	DWG No.	
1	2	OCT. SECT. DAVIT 4 7/8" A/F TO 3 9/16" A/F EXTERIOR DIM.	7 GA. A570 GR.50		
2	8	BOLT 3/4"-10 UNC x 3" LONG	SAE GR.5, c/w 1 FLAT WASHER, 1 HEAVY HEX NUT & 1 HEAVY JAM NUT, GALV'D		
3	2	8 FT. OCT SECT ARM 3 9/16" A/F TO 2 7/8" A/F EXT. DIM.	7 GA. A570 GR.50		
4	or 2	4 FT. OCT SECT ARM 3 9/16" A/F TO 2 3/4" A/F EXT. DIM.	11 GA. A570 GR.50		
5	4	FLANGE 6 3/4" SQUARE	3/4" PL. G40.21 44W		
6	4	BACKUP STRIP 1" x LENGTH TO SUIT	7 GA. A570 GR.50		
7	1	RE-INFORCING STRIP SIZE TO SUIT	7 GA. A570 GR.50		
8	2	TENON 2" IPS (2 3/8" OD) x 14" LONG.	A53 GR.B SCHED.40		

HOT DIP GALVANIZE TO CSA STANDARD G164-M92 TO NET MINIMUM RETENTION OF 600 g/m2

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

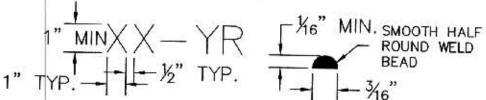
ALL WELDING SHALL CONFORM TO CSA STANDARD W59. FABRICATOR SHALL BE FULLY APPROVED BY THE CANADIAN WELDING BUREAU AS PER CSA STANDARD W47.1. LONGITUDINAL SEAM WELD SHALL HAVE 60% MINIMUM PENETRATION EXCEPT 41/2" FROM LOWER END OF DAVIT AND 3" FROM EACH FLANGE SHALL BE COMPLETE PENETRATION. THE START AND END OF COMPLETE PENETRATION LONGITUDINAL SEAM WELD SECTIONS SHALL BE SMOOTH AND FREE OF NOTCHES OR OTHER WELD DEFECTS. THE LONGITUDINAL SEAM WELD IN ITEM 1 DAVIT SECTIONS SHALL BE ADJACENT TO THE FLAT WHICH IS OUTERMOST FLAT THROUGH THE BEND. BACKUP STRIP AT ARM TO FLANGE AND DAVIT TO FLANGE CONNECTION SHALL HAVE CONTINUOUS FILLET WELD AROUND INTERIOR FACE OF BACKUP STRIP.

2. TOLERANCES

ALL ACROSS FLATS (A/F) ARE EXTERIOR DIMENSIONS. THE BOTTOM OF DAVIT SHALL BE 4%" +0", -%", THE DAVIT AT FLANGE AND ARM AT FLANGE SHALL BE 3%6", +0", -1/8". AT TENON END OF 8 FT. ARM IT SHALL BE 278" +0", -18" A/F AND AT END OF 4 FT. ARM IT SHALL BE  $2\frac{3}{4}$ " +0",  $-\frac{1}{8}$ ".

3. IDENTIFICATION

WELD IDENTIFICATION CODE XX-YR ON DAVIT ARM AT 12" TO 18" FROM BOTTOM AND ON ARM WITHIN 12" FROM FLANGE. XX IS THE POLE MANUFACTURERS CODE AND YR IS THE LAST TWO DIGITS OF YEAR OF MANUFACTURE.



4. LOADING AND DESIGN CRITERIA SHOWN ON SHEET 2 OF DRAWING ST-161.

1	JUNE 21 2004	REDRAWN		1111				
REV. No.	DATE	REVISIONS			APPROVED			
Wi	nnip	THE CITY OF WINNIPEG  PUBLIC WORKS DEPARTMENT  TRANSPORTATION DIVISION						
	GES ENGINEERING INC.  CALGARY, AB. PHONE (403) 240-2921 FAX (403) 240-3713							
	TRA	TRAFFIC SIGNAL LIGHT DUTY DOUBLE DAVIT ARMS OF 8 FT AND 12 FT REACH						
,	AND APPR D. Sa E 5 1	OVED Emgineering me 23, 2004	DRAWN G.G. DATE JUNE 21, 2004	DWG No. SCALE NTS	ST-1	36 REV. No.		