MAST ARM LENGTH (FT.)	FACEPLATE DATA								STOP BAR DATA	SIDE PLATE DATA		WASHER DATA			U-BOLT DATA ●			
	FACEPLATE HEIGHTS			THICKNESS OF FACEPLATE (T_{FACE}) (IN.)	WIDTH OF FACEPLATE		RADIUS (IN.)	EDGE DISTANCE (S_{EDGE}) (IN.)	BAR LENGTH (L_{BAR}) (IN.)	THICKNESS OF SIDE PLATE (T_{SP}) (IN.)	EAR HEIGHT (H_{EAR}) (IN.)	LENGTH OF WASHER (L_{WASHER}) (IN.)	WIDTH OF WASHER (W_{WASHER}) (IN.)	BOLT SPACING (S_{BOLT}) (IN.)	DIAMETER OF U-BOLT (D_{U-BOLT}) (IN.)	BEND RADIUS U-BOLT (A) (IN.)	BEND RADIUS U-BOLT (B) (IN.)	DIAMETER OF OVERSIZED HOLE (IN.)
	TOP (H_{TOP}XIN.)	BOTTOM (H_{BOTTOM}XIN.)	TOTAL (H_{FACE}XIN.)		ENDS (W_E) (IN.)	CENTER (W_C) (IN.)												
30	17.72	15.09	32.81	1.500	14.73	20.00	52.40	2.125	18.000	0.875	1.000	7.000	3.00	4.000	0.875	5.09	5.23	1.188
40	18.47	15.72	34.19	1.750	17.74	23.00	56.85	2.125	19.000	1.000	1.125	7.000	3.00	4.000	1.125	6.58	6.73	1.438
50	20.78	17.78	38.56	2.125	20.89	24.00	120.22	2.125	23.000	1.000	1.375	7.000	3.00	4.000	1.250	8.13	8.31	1.563
65	24.91	20.91	45.81	2.375	25.67	29.00	158.58	2.563	28.000	1.125	1.500	8.500	3.50	5.000	1.375	10.05	10.26	1.688
75	26.59	22.59	49.19	2.500	28.07	31.00	207.07	2.563	31.000	1.125	1.625	8.500	3.50	5.000	1.500	11.23	11.46	1.813

MAST ARM LENGTH (L) (FT.)	POLE DATA								SADDLE DATA
	BASE SECTION ✶				END SECTION WITH LUMINAIRE ◆				THICKNESS OF SADDLE PLATES (T_{SA}) (IN.)
	LENGTH (FT.)	TOP ø (IN.)	BOTTOM ø (IN.)	THK. (IN.)	LENGTH (FT.)	TOP ø (IN.)	BOTTOM ø (IN.)	THK. (IN.)	
30	24.55	8.79	12.23	0.3125	15.57	7.25	9.43	0.2391	1.375
40	24.96	11.49	14.98	0.3125	15.51	10.00	12.17	0.2391	1.375
50	25.54	14.40	17.98	0.3125	15.30	13.00	15.14	0.2391	1.375
65	26.30	18.05	21.73	0.3125	14.99	16.75	18.85	0.2391	1.500
75	26.74	20.24	23.98	0.3125	14.83	19.00	21.07	0.2391	1.625

● BEND RADIUS MEASURED TO THE ℄ OF EACH U-BOLT. INCREASE RADII AS NEEDED TO ACCOMMODATE OUT-OF-ROUNDNESS, GALVANIZING THICKNESS AND SEAM WELD PROFILES. U-BOLTS SHALL BE TIGHTENED 1/12 TURN (30°±5°) PAST SNUG TIGHT; PEEN THREADS AFTER TIGHTENING. U-BOLTS AND FACEPLATE SHALL BE MOUNTED ON BASE SECTION PRIOR TO SHIPMENT.

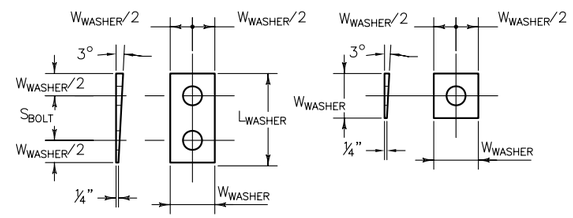
✚ MATCH FIT STOP BAR TO SIDE PLATE USING TACK WELDS TO ENSURE UNIFORM BEARING.

✶ BASE SECTION LENGTHS INCLUDE THE SPLICE LENGTH AS PER THE "MAST ARM SLIP SPLICE DETAIL" ON SHEET 3 OF 7.

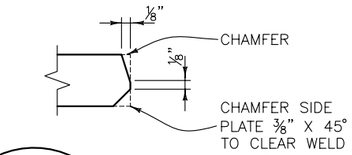
◆ SEE GENERAL NOTE 31 ON SHEET 2 OF 7.

■ END ALL WELDS ½" SHORT OF BOLT HOLE AND PLATE EDGES.

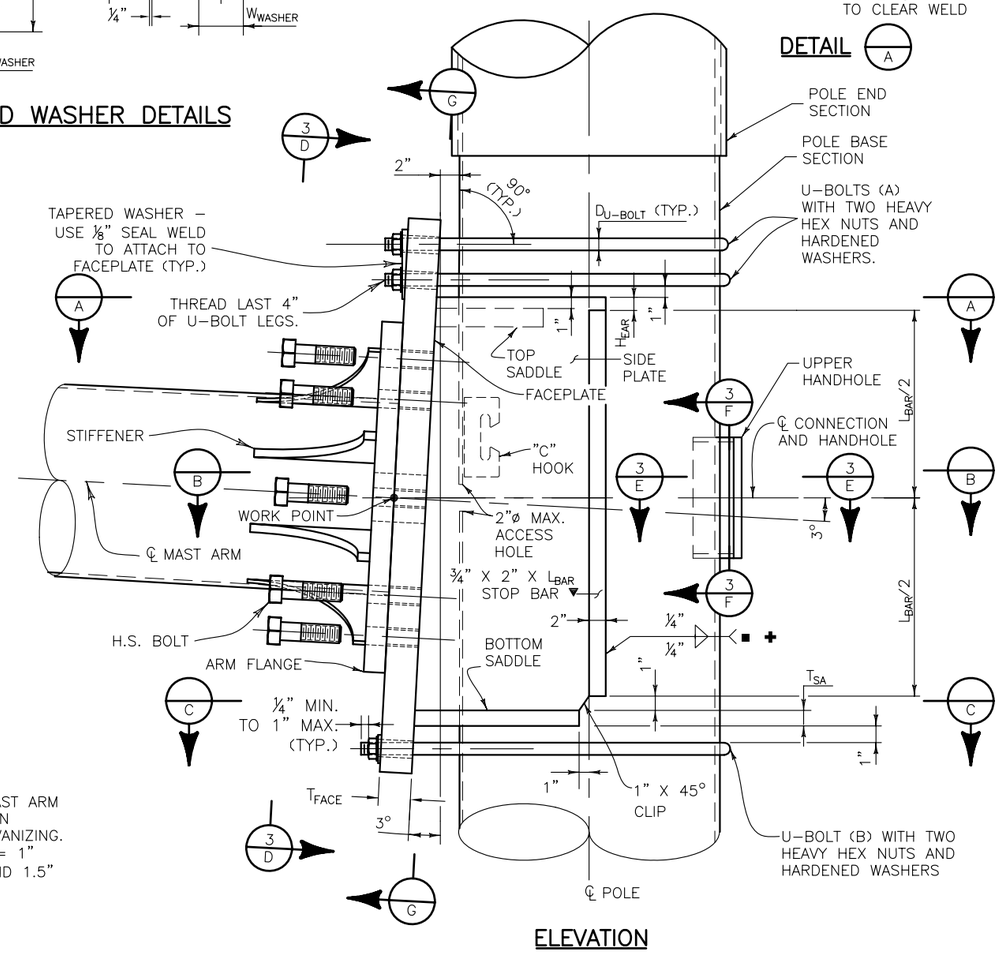
▼ BEND STOP BAR TO MATCH POLE CURVATURE.



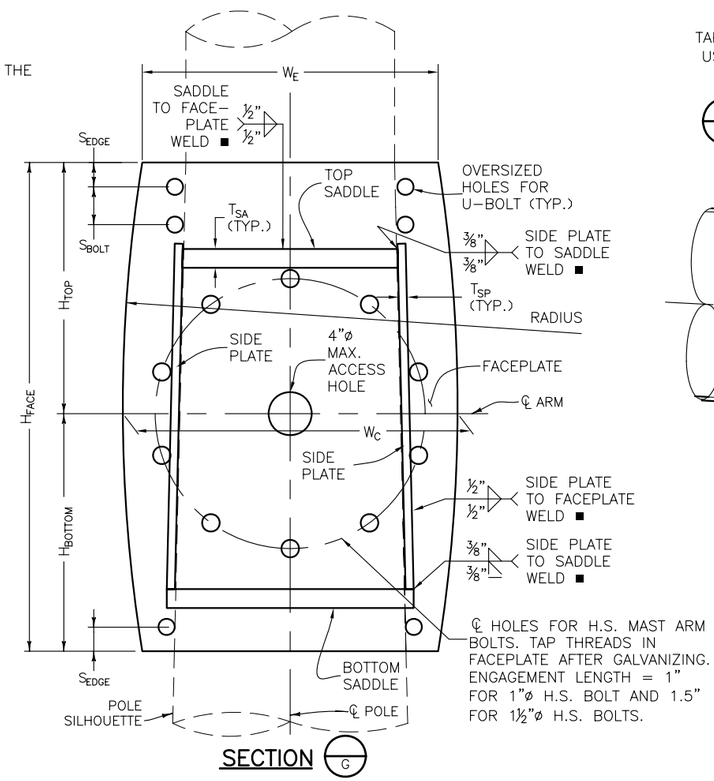
TAPERED WASHER DETAILS



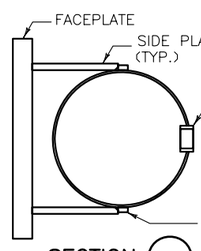
DETAIL A



ELEVATION



SECTION G



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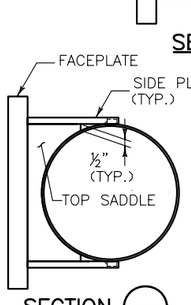

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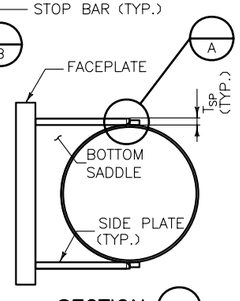

SECTION C

Computer File Information	
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TYPICAL TRAFFIC SIGNAL INSTALLATION DETAILS

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STANDARD PLAN NO.

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