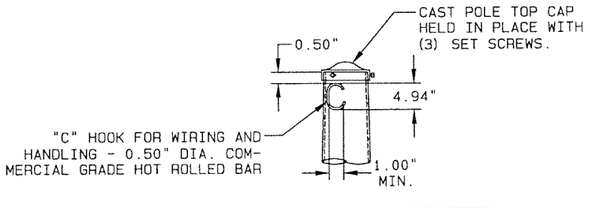
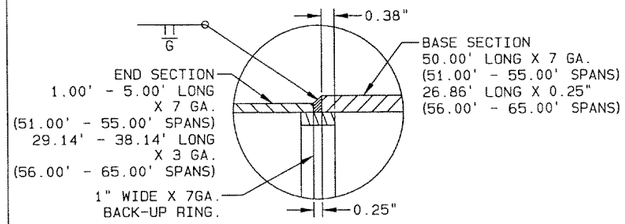
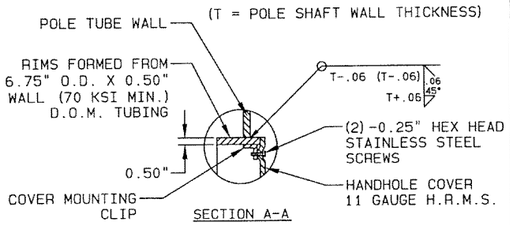


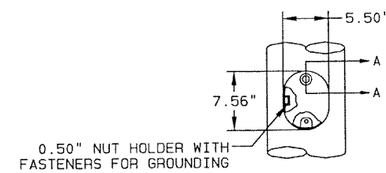
DETAIL 1 — POLE TOP



FOR SIGNAL ARM LENGTHS OVER 50'-0" ONLY

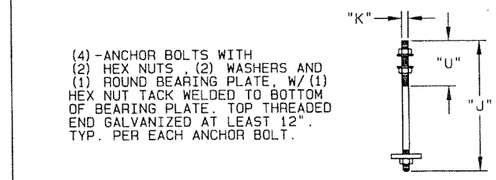
DETAIL 4 — WELDED SIGNAL ARM SPLICE



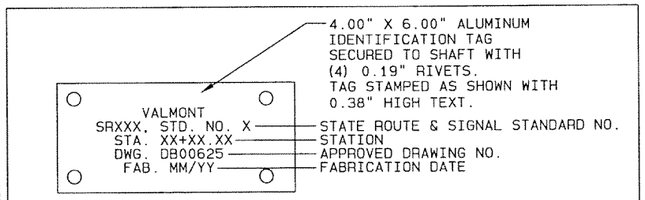


NUT HOLDER FOR LOWER HANDHOLE ONLY

DETAIL 6 — HANDHOLE



DETAIL 8 — ANCHOR BOLT

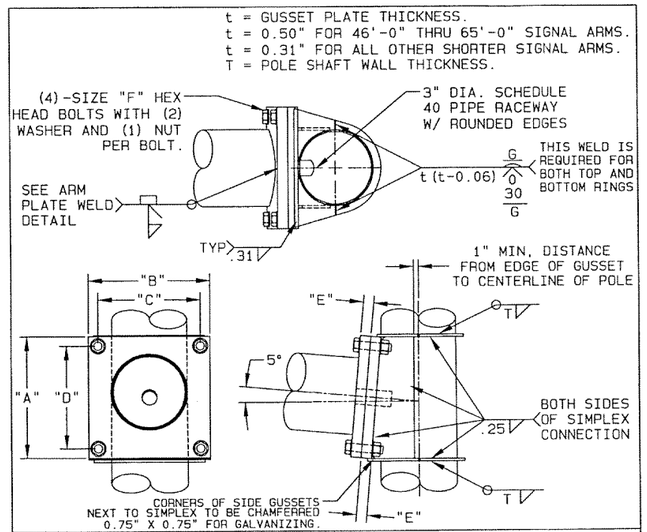


POLE SHAFT: LOCATED AS SHOWN ON SHEET 1 OF 3

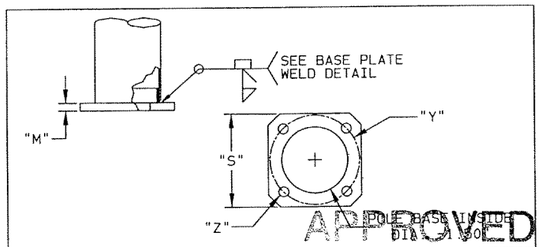
MAST ARM: LOCATED 6" FROM BASE END ON BOTTOM ℄

LUMINAIRE ARM: LOCATED AS SHOWN ON DETAILS 12 & 13, SHEET 3 OF 3.

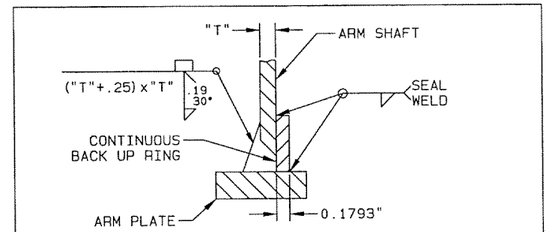
DETAIL 2 — IDENTIFICATION TAG



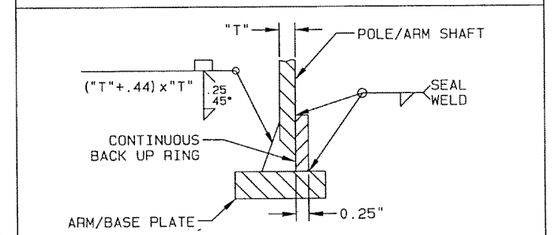
DETAIL 5 — SIGNAL ARM ATTACHMENT



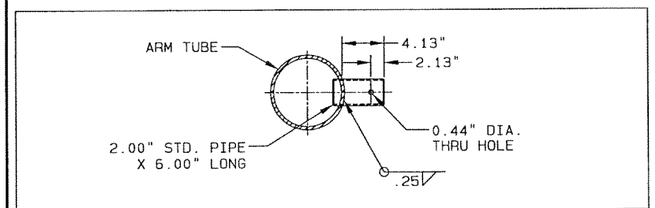
DETAIL 7 — POLE BASE



ARM SHAFTS - 7 GA.



POLE/ARM SHAFTS - 0.250" & 0.313"



DETAIL 3 — SIGNAL ARM TENON

ARM PLATE & BASE PLATE WELD DETAIL

APPROVED
Manufacturer's Pole Plan
Approved For Listing As A
Pre-Approved Drawing
WSDOT Bridge & Structures Office
BY GB Date 10/12/2004

TABEL 2: POLE AND SIGNAL ARM DATA

POLE CLASS	POLE TUBE				BASE PLATE				ANCHOR BOLT				SIGNAL ARM TUBE				SIGNAL ARM ATTACHMENT DATA						
	BASE DIA. (IN)	TOP DIA. (IN)	MAX. LENGTH (FT)	GAUGE OR THICK (IN)	SQUARE "S" (IN)	BOLT CIRCLE "Y" (IN)	THK. "M" (IN)	HOLE "Z" (IN)	DIA. "K" (IN)	LENGTH "J" (IN)	BRG. PLT. (DIA.X THK.)	THREAD LENGTH "U" (IN)	FIXED END DIA. (IN)	FREE END DIA. (IN)	GAUGE OR THICK (IN)	SPAN (FT)	"A" (IN)	"B" (IN)	"C" (IN)	"D" (IN)	"E" (IN)	"F" (IN)	(FT³)
TYPE II	14.00	10.99	21.50	0.250	18.50	18.00	1.50	1.75	1.50	60.00	5"X1"	8.00	7.00	0.00-3.50	7	0-25	20.25	20.25	16.50	16.50	1.75	1.50-6UNC X 6.00	566
TYPE II	14.00	10.99	21.50	0.250	18.50	18.00	1.50	1.75	1.50	60.00	5"X1"	8.00	10.00	6.36-5.10	7	26-35	20.25	20.25	16.50	16.50	1.75	1.50-6UNC X 6.00	1105
TYPE II	14.00	10.99	21.50	0.250	18.50	18.00	1.50	1.75	1.50	60.00	5"X1"	8.00	11.00	5.96-4.70	7	36-45	20.25	20.25	16.50	16.50	1.75	1.50-6UNC X 6.00	1531
TYPE II	17.00	13.99	21.50	0.313	22.50	22.00	2.00	2.25	2.00	60.00	7"X1"	8.00	13.00	6.56-5.30	DET.4	46-55	23.75	23.75	20.00	20.00	2.00	1.50-6UNC X 6.50	1957
TYPE II	17.00	13.99	21.50	0.313	22.50	22.00	2.00	2.25	2.00	60.00	7"X1"	8.00	15.00	7.16-5.90	DET.4	56-65	23.75	23.75	20.00	20.00	2.00	1.50-6UNC X 6.50	2894
TYPE III	14.00	10.92	22.00	0.250	18.50	18.00	1.50	1.75	1.50	60.00	5"X1"	8.00	7.00	0.00-3.50	7	0-25	20.25	20.25	16.50	16.50	1.75	1.50-6UNC X 6.00	623
TYPE III	14.00	10.92	22.00	0.250	18.50	18.00	1.50	1.75	1.50	60.00	5"X1"	8.00	10.00	6.36-5.10	7	26-35	20.25	20.25	16.50	16.50	1.75	1.50-6UNC X 6.00	1161
TYPE III	14.00	10.92	22.00	0.250	18.50	18.00	1.50	1.75	1.50	60.00	5"X1"	8.00	11.00	5.96-4.70	7	36-45	20.25	20.25	16.50	16.50	1.75	1.50-6UNC X 6.00	1587
TYPE III	17.00	13.92	22.00	0.313	22.50	22.00	2.00	2.25	2.00	60.00	7"X1"	8.00	13.00	6.56-5.30	DET.4	46-55	23.75	23.75	20.00	20.00	2.00	1.50-6UNC X 6.50	2600
TYPE III	17.00	13.92	22.00	0.313	22.50	22.00	2.00	2.25	2.00	60.00	7"X1"	8.00	15.00	7.16-5.90	DET.4	56-65	23.75	23.75	20.00	20.00	2.00	1.50-6UNC X 6.50	2947

REGISTERED PROFESSIONAL ENGINEER
PETER M. MUTUTWA
E-8354
STATE OF NEBRASKA

10-11-04

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TRAFFIC SIGNAL STRUCTURES

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