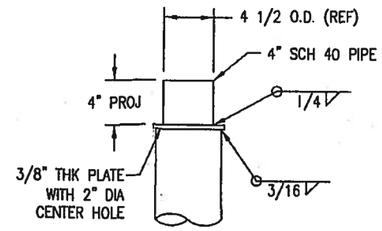
QTY	U.M.C. DESIGN NUMBER	POLE TYPE	TUBE SIZE	BASE TYPE (SLIP OR FIXED)
	TA-10025-A	PS	11E-6.50x5.43x7'-8"	
	TA-10025-B	I	11E-6.50x5.15x9'-8"	

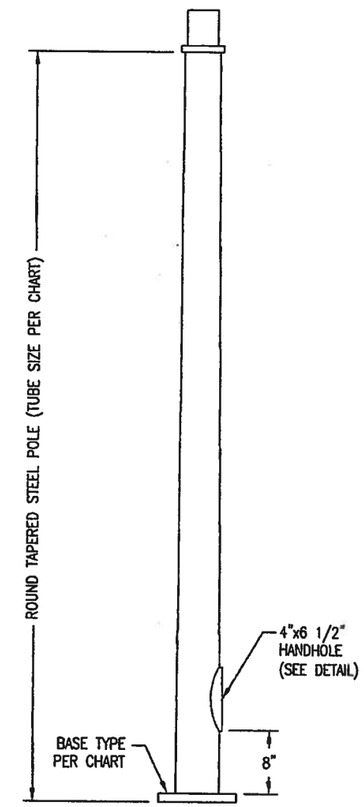
11 GA = 0.120" WALL THICKNESS
E = ROUND TAPERED STEEL TUBE @ 0.14 in/ft TAPER

FB = FIXED BASE DESIGN
SB = SLIP BASE DESIGN

ORDER EXAMPLE:
TA-10025-A-FB

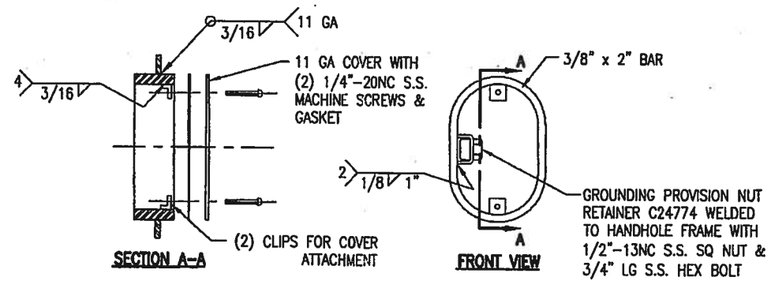


TENON MOUNT POLE TOP DETAIL



DESIGN CRITERIA:

1. DESIGNED IN ACCORDANCE WITH THE 2009 AASHTO, 5TH EDITION, "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS" FOR 90 M.P.H. WIND ZONE. THE DESIGN PARAMETERS INCLUDE:
   50 YEAR STRUCTURE DESIGN LIFE
2. DESIGNED TO STATE STANDARDS PLAN J-21.10-01 SHEETS 1 & 2
3. ANCHOR BOLTS ANALYZED FOR STEEL STRENGTH ONLY. THE ANCHOR BOLT EMBEDMENT LENGTH SHOWN ON THIS DRAWING SHALL BE VERIFIED BY THE FOUNDATION ENGINEER.
4. THE EXPOSED LENGTH OF THE ANCHOR BOLT BETWEEN THE TOP OF THE FOUNDATION AND THE BOTTOM OF THE LEVELING NUT SHOULD NOT EXCEED ONE BOLT DIAMETER.
5. WELDING SHALL BE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY CODE AWS D1.1 LATEST EDITION. WELDERS SHALL BE QUALIFIED IN ACCORDANCE WITH AWS D1.1 WELDING PROCEDURES.
6. **CUSTOMER TO CONFIRM ALL DIMENSIONS & ORIENTATIONS BEFORE RELEASING ORDER FOR MANUFACTURING.**



4" x 6 1/2" HANDHOLE FRAME DETAIL

MATERIAL SPECIFICATIONS	
TAPERED TUBE	ASTM A595 GR A
PLATE	ASTM A572 GR 50
BAR HANDHOLE FRAME	ASTM A529 GR 50 (PREFERRED) or ASTM A572 GR 50 or ASTM A709 GR 50
HANDHOLE COVER	ASTM A36 or A1011
ANCHOR BOLTS	ASTM F1554 GR 36
ANCHOR BOLT NUTS	ASTM A563 GR A
FLAT WASHERS	ASTM F436
PIPE	ASTM A501 or A53 GR B
KEEPER PLATE (COATING G90)	A653 GR.33
S.S. HARDWARE	AISI-300 SERIES (18-8)
STRUCTURE FINISH	HD GALV TO ASTM A123
HARDWARE FINISH	HD GALV TO ASTM A153

STATE OF OHIO
PAUL E. HAIG
E-041183
6/3/11
REGISTERED
PROFESSIONAL ENGINEER

APPROVED
Manufacturer's Pole Plan
Approved For Listing As A
Pre-Approved Drawing
WSDOT Bridge & Structures Office
By GB Date 8-21-2011

REV	DESCRIPTION	DATE	REV BY	CHK BY
R17	ADDED KEEPER PLATE (COATING G90) TO MATERIAL SPECIFICATIONS	6/3/11	JMC	SAD
R16	BASE PLATE WAS 1/2"	3/31/11	EGB	JM

REVISIONS

STATE: WASHINGTON | REQ# / SO# : 0408-06-95
PROJECT NAME: –

STANDARD SIGNAL W/ POST TOP, TYPE PS & I
STATE OF WASHINGTON DOT

Union Metal Corporation

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DESIGNED BY	CHECKED BY	DATE	SCALE	ENG REF
RT	Ed	10/20/75	NTS	TA-10025

TA-10025 | REVISION R17 | SHEET 1 OF 2

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