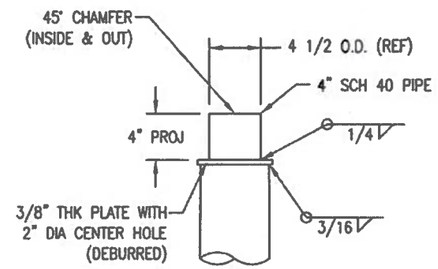
QTY	UMC DESIGN NUMBER	POLE TYPE	TUBE SIZE	POLE CAP REQUIRED	BASE TYPE (SLIP OR FIXED)
	50200-Y157	RM	11E-6.50x5.36x8'-2"	NO	
	50200-Y157-A		11E-6.50x5.31x8'-6"	YES	
	50200-Y158	FB	11E-6.50x4.59x13'-8"	NO	
	50200-Y158-A		11E-6.50x4.54x14'-0"	YES	

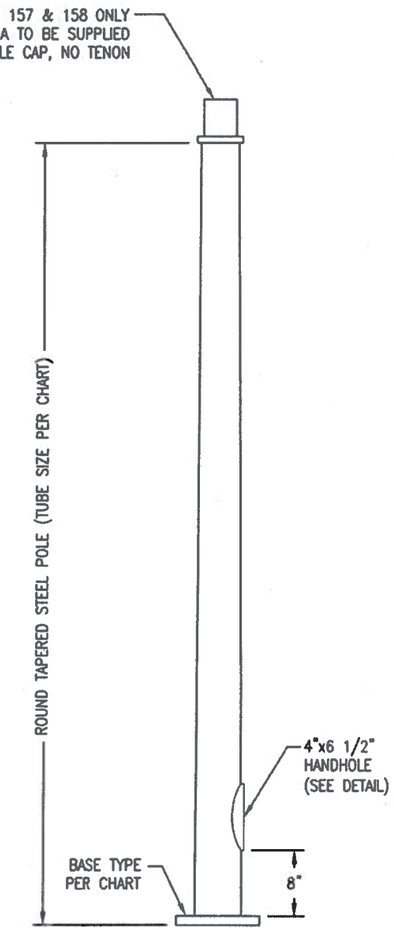
11 GA = 0.120" WALL THICKNESS
E = ROUND TAPERED STEEL TUBE @ 0.14 in/ft TAPER

FB = FIXED BASE DESIGN
SB = SLIP BASE DESIGN

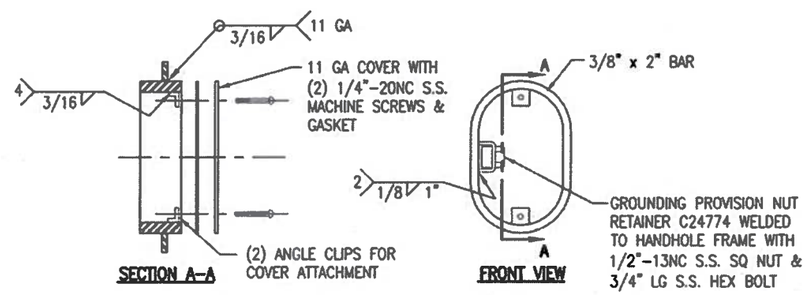
ORDER EXAMPLE:
50200-Y157-FB



TENON MOUNT POLE TOP DETAIL
(DESIGNS 157 & 158 ONLY)



THOMAS S. LACY
STATE OF WASHINGTON
42082
REGISTERED PROFESSIONAL ENGINEER
5/9/2014
Expires 11/17/2014



4" x 6 1/2" HANDHOLE FRAME 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 PLANS J-21.10-03, J-21.16-01, & J-22.15-01.
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.**

APPROVED
Manufacturer's Pole Plan
Approved For Listing As A
Pre-Approved Drawing
WSDOT Bridge & Structures Office
By GB Date 5-12-2014

MATERIAL SPECIFICATIONS	
TAPERED TUBE	ASTM A595 GR A
PLATE	ASTM A572 GR 50
BAR HANDHOLE FRAME	ASTM A529 GR 50 or ASTM A572 GR 50 or ASTM A709 GR 50
HANDHOLE COVER	ASTM A36 or A1011
ANCHOR BOLTS	ASTM F1554 GR 55
ANCHOR BOLT NUTS	ASTM A563 GR DH
FLAT WASHERS	ASTM F436
PIPE	ASTM A53 GR B, A500 GR B or C
S.S. HARDWARE	AISI-300 SERIES (18-8)
STRUCTURE FINISH	HD GALV TO ASTM A123
HARDWARE FINISH	HD GALV TO ASTM F2329

PROJECT INFORMATION
PROJECT:
COUNTY:
CITY:
REQ:
STATE: WA
REQ# / SO# : 0634-16-97
PROJECT NAME:

REV	DESCRIPTION	DATE	REV BY	CHK BY
R7	ADDED DESIGNS Y157-A AND Y158-A TO INCLUDE POLE CAP, IF REQUIRED; DESIGN Y157 TUBE SIZE WAS 9'-8"; MATERIAL SPEC UPDATES - ANCHOR BOLTS WERE F1554 GR 36, ANCHOR BOLT NUTS WERE A563 GR A, ADDED A500 GR B & C FOR PIPE, HARDWARE FINISH WAS A153; REMOVED SQUARE WASHERS FROM SLIP BASE ANCHOR BOLT ASSEMBLY; ADDED CHAMFER NOTE TO TENON AND PLATE; ADDED PROJECT INFO BLOCK.	4/30/14	RJP	SAD

REVISIONS

STANDARD TRAFFIC SIGNAL W/ POST TOP, TYPE FB & RM
STATE OF WASHINGTON DOT

Union Metal Corporation

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DESIGNED BY	CHECKED BY	DATE	SCALE	ENG REF
JDJ	SAP	12/30/97	NTS	0634A97

50200-B58 | REVISION R7 | SHEET 1 OF 2

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