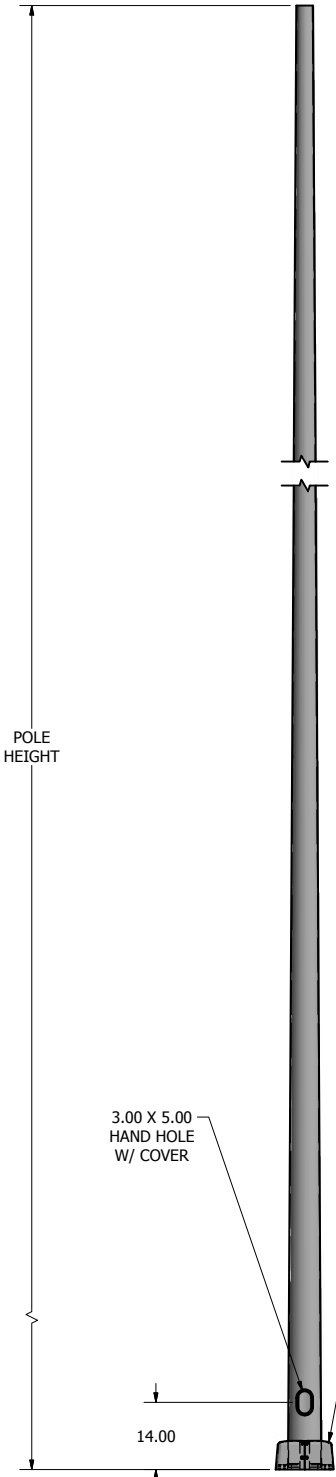
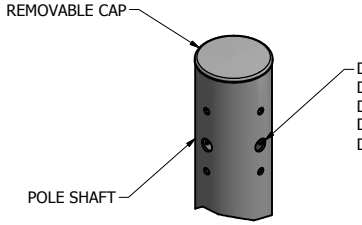
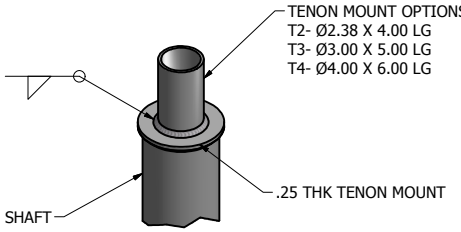


POLE DETAIL



DRILLED MOUNT OPTIONS



TENON MOUNT OPTIONS

POLE SPECIFICATIONS			
NO.	COMPONENT	ASTM DESIGNATION	MIN. YIELD (P.S.I)
1.	POLE SHAFT	A-595 GR. A	55,000
2.	BASE PLATE	A36	36,000
3.	ANCHOR BOLTS	F1554 GR. 55	55,000
4.	GALVANIZED HARDWARE	A153	-

FINISH SPECIFICATIONS
POLES SHALL HAVE A POLYESTER POWDER COAT FINISH IN A STANDARD COLOR.

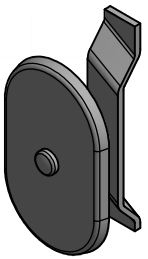
POLE DIMENSIONS				
POLE HGT (FT.)	TOP DIA. (IN.)	BOTTOM DIA. (IN.)	GAGE	MTG. HGT. (FT.)
25'	3.50	7.00	11 GAGE	25'

BASE PLATE DIMENSIONS			
BOLT CIRCLE (IN.)	BASE PLATE DIM. (IN.)	BOLT HOLE (IN.)	PLATE THK. (IN.)
9.50-10.50	11.00 SQ	1.25	1.00

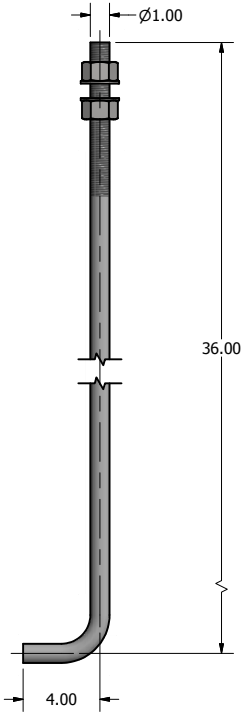
ANCHOR BOLT DIMENSIONS	
ANCHOR BOLT DIA. (IN.)	ANCHOR BOLT LENGTH (IN.)
1.00	40.00

ALLOWABLE WIND LOADING (SQ. FT.)				
WIND*	80 MPH	90 MPH	100 MPH	120 MPH
EPA	22.0	17.8	14.4	10.0

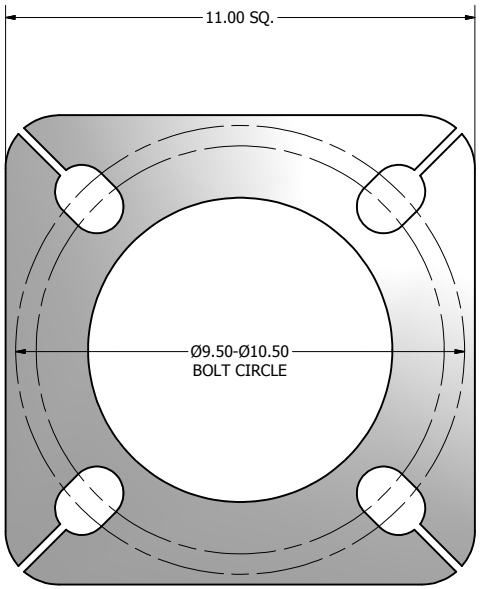
*WITH 1.3 GUST FACTOR



3.00 X 5.00 HAND HOLE COVER



Ø1.00 X 40.00 ANCHOR BOLT



11.00 X 11.00 X 1.00 THK. BASE PLATE

SOME GEOGRAPHICAL AREAS HAVE SPECIAL WIND CONDITIONS THAT CAN CREATE WIND INDUCED VIBRATIONS CAUSING A FATIGUE PROBLEM. NO METHOD HAS YET BEEN FOUND FOR PREDICTING DESTRUCTIVE LIGHTING POLE VIBRATION. THESE CONDITIONS ARE UNIQUE AND CANNOT BE GUARANTEED AGAINST, AND ARE THE RESPONSIBILITY OF A LOCAL SITE ENGINEER.

TITLE:

CATALOG:

DWG NO: ALS-SRDT-25-7011-AB

SIZE: C

SHEET 1 OF 1

15841 Old US Highway 441
Tavares, Florida 32778
(321) 203-4869
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AmericanLightingSystems.com

AMERICAN LIGHTING SYSTEMS

DRAWN: M. HARVALA 2/18/2015
CHECKED
REVISION: DATE:
APPROVED:
QUOTE:
S.O.#
REF:
SCALE: NONE

180°
270° 90°
0°
HANDHOLE