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.

**POLE DETAIL**

- **POLE SHAFT**
- **TENON MOUNT OPTIONS**
  - T2 - Ø2.38 OD X 4.00 LG
  - T2.5 - Ø2.88 OD X 4.00 LG
  - T3 - Ø3.00 OD X 5.00 LG
  - T4 - Ø4.00 OD X 6.00 LG

- **POLE HGT. (FT.)**
  - 36.00
  - 3.00 X 5.00 HAND HOLE COVER
  - Ø01.00-Ø02.00

- **BASE PLATE DIMENSIONS**
  - BOLT CIRCLE (IN.): 11.00-12.00
  - BASE PLATE DIM. (IN.): 12.00 SQ
  - BOLT HOLE (IN.): 1.13
  - PLATE THK. (IN.): 1.00

- **ALLOWABLE WIND LOADING (SQ. FT.)**
  - EPA - 15.3 11.7 9.2 5.7

- **ANCHOR BOLT DIMENSIONS**
  - ANCHOR BOLT DIA. (IN.): 1.00
  - ANCHOR BOLT LENGTH (IN.): 40.00

- **POLE SPECIFICATIONS**
  - COMPONENT: POLE SHAFT
  - MAT'L DESIGNATION: 6063-T6
  - COMPONENT: BASE PLATE
  - MAT'L DESIGNATION: A356-T6
  - COMPONENT: ANCHOR BOLTS
  - MAT'L DESIGNATION: F1554 GR. 55
  - COMPONENT: GALVANIZED HARDWARE
  - MAT'L DESIGNATION: A133

- **DRILL PER FIXTURE REQUIREMENTS:**
  - D1 - DRILLED FOR 1 FIXTURE
  - D2 - DRILLED FOR 2 FIXTURES AT 90° OR 180°
  - D3 - DRILLED FOR 3 FIXTURES AT 90° OR 120°
  - D4 - DRILLED FOR 4 FIXTURES

- **ANDOM MOUNT OPTIONS:**
  - Ø1.00 X 40.00 ANCHOR BOLT

- **POLE SHAFT**
  - Ø1.00 X 40.00 ANCHOR BOLT

- **POLE HGT. (FT.)**
  - 14.00

- **HAND HOLE**
  - W/ COVER

- **SCALE: NONE**

- **DRAWN:** S. MONTGOMERY 05/19/2017
- **CHECKED:**
- **APPROVED:**

**NOTE:INED:**

- **INDICATED EPA**
  - 80 MPH
  - 90 MPH
  - 100 MPH
  - 120 MPH

**QUOTE:**

**S. O. #**

**REF:**

**DATE:**