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

1. **POLE SHAFT**:
   - Ø.75 X 20.00 ANCHOR BOLT

2. **TENON MOUNT OPTIONS**:
   - T2: Ø.25 OD X 4.00 LG
   - T3: Ø.30 OD X 5.00 LG
   - T4: Ø.40 OD X 6.00 LG

3. **DRILLED MOUNT OPTIONS**:
   - 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

4. **BASE PLATE DIMENSIONS**:
   - Ø.75 X 3.50 THK. BASE CASTING

5. **ANCHOR BOLT DIMENSIONS**:
   - Ø.75 20.00

6. **BASE PLATE DIAM. (IN.)**:
   - 10.75 SQ.

7. **POLE HGT (FT.)**:
   - TOP DIA. (IN.)
   - BOTTOM DIA. (IN.)
   - GAUGE
   - MTC. HGT. (FT.)
   - 18'
   - 5.00
   - 5.00
   - .188
   - 18'
   - 10.75 SQ

8. **ALLOWABLE WIND LOADING (SQ. FT.)**:
   - **WIND**
     - 80 MPH
     - 90 MPH
     - 100 MPH
     - 120 MPH
     - EPA 9.8
     - 7.3
     - 5.3
     - 3.3

9. **POLE SPECIFICATIONS**:
   - NO.
   - COMPONENT
   - MAT'L DESIGNATION
   - 1. POLE SHAFT 6063-T6
   - 2. BASE PLATE A356-T6
   - 3. ANCHOR BOLTS F1554 GR. 55
   - 4. GALVANIZED HARDWARE A153

10. **FINISH SPECIFICATIONS**:
    - POLES SHALL HAVE A POLYESTER POWDER COAT FINISH IN A STANDARD COLOR.

11. **BASE ROTATION DETAIL VIEW**
    - Ø.75-0.06-00 BOLT CIRCLE
    - 10.75 SQ.
    - 10.75 X 10.75 X 3.50 THK. BASE CASTING

12. **REMOVABLE CAP**
    - POLE SHAFT

13. **3.00 X 5.00 HAND HOLE W/ COVER AT 90° TO HINGE**

14. **POLE DETAIL**
    - Ø.75 X 20.00 ANCHOR BOLT

15. **NOTE**:
    - WITH 1.3 GUST FACTOR