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**: 8.00 X 8.00 X .75 THK.
- **BASE PLATE**: 3.00 X 5.00 HAND HOLE COVER
- **ANCHOR BOLT**: Ø0.75 X 20.00

**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

**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 SPECIFICATIONS**

<table>
<thead>
<tr>
<th>NO.</th>
<th>COMPONENT</th>
<th>ASTM DESIGNATION</th>
<th>MIN. YIELD (P.S.I)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>POLE SHAFT</td>
<td>A-500 GR. B</td>
<td>46,000</td>
</tr>
<tr>
<td>2.</td>
<td>BASE PLATE</td>
<td>A36</td>
<td>36,000</td>
</tr>
<tr>
<td>3.</td>
<td>ANCHOR BOLTS</td>
<td>F1554 GR. 55</td>
<td>55,000</td>
</tr>
<tr>
<td>4.</td>
<td>GALVANIZED HARDWARE</td>
<td>A123</td>
<td>-</td>
</tr>
</tbody>
</table>

**BASE PLATE DIMENSIONS**

- **BOLT CIRCLE (IN.)**: 8.00-9.00
- **BASE PLATE DIM. (IN.)**: 8.00 SQ.
- **BOLT HOLE (IN.)**: 1.00
- **PLATE THK. (IN.)**: .75

**ANCHOR BOLT DIMENSIONS**

- **ANCHOR BOLT DIA. (IN.)**: Ø0.75
- **ANCHOR BOLT LENGTH (IN.)**: 20.00

**POLYESTER POWDER COAT FINISH**

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

**POLE DIMENSIONS**

- **POLE HGT (FT.)**: 25'
- **TOP DIA. (IN.)**: 5.00
- **BOTTOM DIA. (IN.)**: 5.00
- **GAGE**: 11 GAGE 25'
- **MTG. HGT. (FT.)**: 25'

**ALLOWABLE WIND LOADING (SQ. FT.)**

<table>
<thead>
<tr>
<th>WIND</th>
<th>INDICATED EPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>80 MPH</td>
<td>6.7</td>
</tr>
<tr>
<td>90 MPH</td>
<td>5.0</td>
</tr>
<tr>
<td>100 MPH</td>
<td>4.7</td>
</tr>
<tr>
<td>120 MPH</td>
<td>2.3</td>
</tr>
</tbody>
</table>

*WITH 1.3 GUST FACTOR

**UNITED LIGHTING STANDARDS**

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