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 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>20,000</td>
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</table>

**POLE 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 DETAIL**

- Ø1.00 x 40.00 ANCHOR BOLT
- 3.00 x 5.00 HAND HOLE COVER
- Ø9.50-Ø10.50 BOLT CIRCLE
- 10.00 SQ.

**BASE PLATE DIMENSIONS**

- BOLT CIRCLE (IN.): 9.50-10.50
- BASE PLATE DIM. (IN.): 10.00 SQ.
- BOLT HOLE (IN.): 1.25
- PLATE THK. (IN.): 1.00

**POLE SHAFT**

- Ø1.00 x 40.00 ANCHOR BOLT

**ANCHOR BOLT DIMENSIONS**

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

**ALLOWABLE WIND LOADING (SQ. FT. & P.S.I.**

<table>
<thead>
<tr>
<th>WIND*</th>
<th>EPA 80 MPH</th>
<th>EPA 90 MPH</th>
<th>EPA 100 MPH</th>
<th>EPA 120 MPH</th>
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<tbody>
<tr>
<td>80 MPH</td>
<td>12.0</td>
<td>9.2</td>
<td>7.5</td>
<td>4.2</td>
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<tr>
<td>90 MPH</td>
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<tr>
<td>100 MPH</td>
<td>12.0</td>
<td>9.2</td>
<td>7.5</td>
<td>4.2</td>
</tr>
<tr>
<td>120 MPH</td>
<td>12.0</td>
<td>9.2</td>
<td>7.5</td>
<td>4.2</td>
</tr>
</tbody>
</table>

*WITH 1.3 GUST FACTOR