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

### 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>30,000</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>A57</td>
<td>-</td>
</tr>
</tbody>
</table>

### Pole 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 Diameter (In.)**: .75
- **Anchor Bolt Length (In.)**: 20.00

### Anchor Bolt Dimensions

- **Anchor Bolt Dia. (In.)**: 8.00-9.00
- **Anchor Bolt Length (In.)**: 20.00

### Allowable Wind Loading (22 ft.)

<table>
<thead>
<tr>
<th>Wind*</th>
<th>Indicated EPA</th>
<th>80 MPH</th>
<th>90 MPH</th>
<th>100 MPH</th>
<th>120 MPH</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPA</td>
<td>x 6</td>
<td>9.1</td>
<td>9.1</td>
<td>9.1</td>
<td>9.1</td>
</tr>
</tbody>
</table>

*With 1.3 Gust Factor