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>A500 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>
</tbody>
</table>

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

POLE DIMENSIONS

- POLE HGT (FT.)
- TOP DIA. (IN.)
- BOTTOM DIA. (IN.)
- BOLT CIRCLE (IN.)
- BASE PLATE DIM. (IN.)
- ANCHOR BOLT (IN.)

BASE PLATE DIMENSIONS

- BOLT CIRCLE
- BASE PLATE DIA.
- PLATE HTHK.
- ANCHOR BOLT DIA.
- ANCHOR BOLT LEN

ALLOWABLE WIND LOADING (SQ. FT.)

<table>
<thead>
<tr>
<th>WIND*</th>
<th>INDICATED EPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>80 MPH</td>
<td>9.0</td>
</tr>
<tr>
<td>90 MPH</td>
<td>6.7</td>
</tr>
<tr>
<td>100 MPH</td>
<td>5.0</td>
</tr>
<tr>
<td>120 MPH</td>
<td>3.3</td>
</tr>
</tbody>
</table>

*WITH 1.3 GUST FACTOR

POLE DETAIL

- Ø0.75 X 20.00 ANCHOR BOLT
- Ø1.63 X 3.50 HAND HOLE COVER
- Ø8.00 X 8.00 X .75 THK. BASE PLATE

UNITED LIGHTING STANDARDS

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www.unitedlightingstandards.com

DRAWN: M. HARVALA 6/8/2015
CHECKED

REVISION: DATE:
APPROVED:
QUOTE:
S.O. #

REF: SCALE: NONE

SIZE: C SHEET 1 OF 1