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 12.00 X 12.00 X 3.50 THK. BASE CASTING

DRILLED MOUNTING OPTIONS:
- D1 - DRILLED FOR 1 FIXTURES
- 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

1. POLE SHAFT 6063-T6
2. BASE PLATE A356-T6
3. ANCHOR BOLTS F1554 GR. 55
4. GALVANIZED HARDWARE A153

DRILL PER FIXTURE REQUIREMENTS:
- D1 - DRILLED FOR 1 FIXTURES
- D2 - DRILLED FOR 2 FIXTURES AT 90° OR 180°
- D3 - DRILLED FOR 3 FIXTURES AT 90° OR 120°
- D4 - DRILLED FOR 4 FIXTURES

POLE DIMENSIONS

<table>
<thead>
<tr>
<th>POLE HGT (FT.)</th>
<th>TOP DIA (IN.)</th>
<th>BOTTOM DIA (IN.)</th>
<th>GAGE</th>
<th>MFG. HGT. (FT.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>35'</td>
<td>4.50</td>
<td>8.00</td>
<td>.250</td>
<td>35'</td>
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</tbody>
</table>

BASE PLATE DIMENSIONS

<table>
<thead>
<tr>
<th>BOLT CIRCLE (IN.)</th>
<th>BASE PLATE DIM. (IN.)</th>
<th>BOLT HOLE (IN.)</th>
<th>PLATE THK (IN.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>11.00-12.00</td>
<td>12.00 SQ.</td>
<td>1.13</td>
<td>1.00</td>
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ANCHOR BOLT DIMENSIONS

<table>
<thead>
<tr>
<th>ANCHOR BOLT DIA. (IN.)</th>
<th>ANCHOR BOLT LENGTH (IN.)</th>
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<tbody>
<tr>
<td>1.00</td>
<td>40.00</td>
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</table>

ALLOWABLE WIND LOADING (SQ. FT.)

<table>
<thead>
<tr>
<th>WIND*</th>
<th>EPA - 14.1</th>
<th>10.7</th>
<th>8.3</th>
<th>4.9</th>
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</thead>
<tbody>
<tr>
<td>80 MPH</td>
<td>14.1</td>
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</tr>
<tr>
<td>90 MPH</td>
<td>10.7</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>100 MPH</td>
<td>8.3</td>
<td></td>
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</tr>
<tr>
<td>120 MPH</td>
<td>4.9</td>
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</tbody>
</table>

*W/ 1.3 GUST FACTOR

POLE HGT. (FT.)

Ø1.00 X 40.00 ANCHOR BOLT

3.00 X 5.00 HAND HOLE COVER

12.00 SQ.

12.00 X 12.00 X 3.50 THK. BASE CASTING

SHEET 1 OF 1

DRAWN: S. MONTGOMERY 05/19/2017
CHECKED:
REVISION:
DATE:
APPROVED:
QUOTE:
S.O. #
REF:
SCALE: NONE

SIGMA LUMINOUS
ENERGY SAVINGS THROUGH INNOVATION

SLP-RTA35-8454-A

SIZE: C

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ENERGY SAVINGS THROUGH INNOVATION

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