**POLE ELEVATIONS**

1. **175' Pole**
   - **ELEV OF POLE BASE**
   - **Scale Length**

2. **100', 125', & 150' Poles**
   - **12 SIDED**
   - **DW:** 1" (See Detail)

**DISCLAIMER:**

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**FILE:**

HMIP-16.dgn

**REVISIONS**

September 1995 - 5-98

**ILLUMINATION POLES**

100' - 125' - 150' - 175'
GENERAL NOTES:


2. Design Wind Speed is 80 mph or 100 mph.

3. Each pole section, top flange plate and base plate shall be permanently marked on the reference line. The required mark locations are shown on the baseplate, top plate, and foundation plan details.

4. These marks shall be used in pole assembly and erection.

5. The required alignment marks are shown on Lighting Layouts.

6. Bolt Cir shall be parallel to roadway centerline unless otherwise shown elsewhere in the plans.

7. Full convergence of the pole shall be the goal of this design. The required design gus sets and weld sizes shall be as shown.

8. Segments matching the pole.

NOTE: Base Plate may be round or with 8 or 12 equal segments matching the pole.

DI S C L A I M E R:

Publication of this standard to other formats or for incorrect results or damage resulting from the use.

TABLE OF VARIABLE POLE DIMENSIONS

<table>
<thead>
<tr>
<th>Diameter (Inches)</th>
<th>80 MPH DESIGNS</th>
<th>100 MPH DESIGNS</th>
</tr>
</thead>
<tbody>
<tr>
<td>100'</td>
<td>125'</td>
<td>150'</td>
</tr>
<tr>
<td>100'</td>
<td>40</td>
<td>17</td>
</tr>
<tr>
<td>125'</td>
<td>45</td>
<td>21</td>
</tr>
<tr>
<td>150'</td>
<td>49</td>
<td>23</td>
</tr>
<tr>
<td>175'</td>
<td>52</td>
<td>27</td>
</tr>
</tbody>
</table>

TABLE OF VARIABLE BASE DIMENSIONS

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<tr>
<td>100'</td>
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<td>150'</td>
</tr>
<tr>
<td>100'</td>
<td>37</td>
<td>14</td>
</tr>
<tr>
<td>125'</td>
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<td>16</td>
</tr>
<tr>
<td>150'</td>
<td>44</td>
<td>18</td>
</tr>
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<td>175'</td>
<td>52</td>
<td>27</td>
</tr>
</tbody>
</table>

MATERIALS

- ASTM A36 or equal
- ASTM A572 Grade 50
- ASTM A633 Grade C
- ASTM A709 Grade 50
- ASTM A709 Grade 50

Diameters are measured across the flats.

NOTE: File: hmip-16.dgn

August 1995

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5-98

8-16

Operations

Standard

Traffic

DIVISION

Traffic

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