### Electrical Systems

#### 36" Fluorescent Sign Illumination Equipment

- **No Scale**

**State of California**
**Department of Transportation**

**ES-15B**

- **CANCELLED NO. 15-2016 (APRIL 15, 2016)**

#### Notes:

1. Conduit shall be secured to nearest member using one-hole galvanized or stainless steel straps at 5'-0" maximum centers and brass machine screws tapped into the member.

2. Ballasts and terminal boards shall be marked with legible symbols. Conductors shall be tagged and their identification marked on the corresponding terminal on the terminal board as shown on the typical fixture wiring diagram. Ballasts shall be one, two, or three lamp types as required, rated at 800 mA. Each ballast shall be fused with 1/4" x 1/4" slow-blow glass tube fuse.

3. Ballast shall be a panel mounted type.

4. Fuseholder shall be a panel mounted type.

5. The fixture shall have an integral ballast.

6. An alternative cover design shall be submitted for approval.

#### Sign Load (Watts) and Fusing:

<table>
<thead>
<tr>
<th>Sign Load (Watts)</th>
<th>Fusing</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Lamp and Ballast</td>
<td>1 A</td>
</tr>
<tr>
<td>2 Lamps and Ballast</td>
<td>2.0 A</td>
</tr>
<tr>
<td>3 Lamps and Ballast</td>
<td>3.0 A</td>
</tr>
</tbody>
</table>

- **Register Electrical Engineer**: Theresa E15129
- **Date of Approval**: October 30, 2015

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- **Fuseholder shall be a panel mounted type.**
- **The fixture shall have an integral ballast.**
- **An alternative cover design shall be submitted for approval.**

#### Section - Lighting Fixture

- **Spring loaded, self-sealing lamp holder**
- **Neoprene gasket (continuous)**
- **Extruded aluminum hinge (full length)**
- **Two piece extruded aluminum hinge (continuous)**
- **Fixture body (cast aluminum)**
- **Lens, 1/4" clear acrylic**
- **Fixture mounting (on continuous slot channel)**

#### Drawing Details:

- **FITURE MOUNTING**
- **ON CONTINUOUS SLOT CHANNEL**
- **DETAIL M**

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