**Branch Details**

<table>
<thead>
<tr>
<th>TYPE</th>
<th>SINGLE BRACKET</th>
<th>TWIN BRACKET (180° SPACING)</th>
<th>&quot;S&quot;</th>
<th>&quot;R&quot;</th>
<th>&quot;H&quot;</th>
<th>BRACKET RISE</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>1/2&quot; GA. BAND</td>
<td>1/4&quot; THICK BRACKET SEAT</td>
<td>5/8&quot;</td>
<td>2&quot;</td>
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</tr>
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<td>K</td>
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**Bracket Elevation**

- **Lights as Specified**
- **#11 Ga. Tapered Elliptical Steel Arm**
- **6 1/2" Diameter Steel Tube**

**Bracket Details**

- **1/4" Thick Bracket Seat**
- **1/4" Thick Bracket Seat**

**Typical Detail for MOUNTING BRACKET ASSEMBLY**

- **Galvanized Steel Rod Plate**
- **Galvanized Steel Bracket Seat**
- **Galvanized Threaded Anchor Bolts**

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**BUREAU OF ENGINEERING**

**DEPARTMENT OF PUBLIC WORKS**

**CITY AND COUNTY OF SAN FRANCISCO**

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**STANDARD PLAN**

**ELECTRICAL**

**TYPE D AND TYPE K BRACKET ARM ASSEMBLIES**

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**SHEET NOTES:**

1. THREADED ANCHOR BOLTS FOR MOUNTING BRACKET ARM ASSEMBLIES AND SCREWS FOR REMOVABLE CAPS ON NEW AND EXISTING STANDARDS SHALL BE CLEANED WITH A MOUTH-OPNED WIRE BRUSH AND WITH AN APPROVED RUST REMOVING COMPOUND AND THEN COATED WITH FACTORY-FILLED WATERPROOF GRAPHITE GREASE. APPLICATION OF THE GREASE SHALL BE MADE BEFORE AND AFTER INSTALLATION OF BRACKET ARM ASSEMBLIES AND REMOVABLE CAPS.

2. INSTALL DUPLICATE BRACKET ARM ASSEMBLIES. "MIN-MINOR" STREET LIGHTS ARE SPECIFIED. ARMS SHALL BE INSTALLED IN A "MIN - MINOR" ARRANGEMENT (10 FT. EACH OTHER)

3. BRACKET ARM ASSEMBLIES SHALL BE INSTALLED TRUE AND PLUMB AND ORIENTED PERPENDICULAR TO CENTERLINES OF ROADS OR CURVES UNLESS OTHERWISE SPECIFIED.

4. ALL WELDS SHALL BE GROUND SMOOTH.

5. BRACKET ARM ASSEMBLIES AND BRACKET ARMS SHALL BE DESIGNED TO SUPPORT A LUMINARIE WEIGHING 70 LB AND HAVING A PROJECTED WIND AREA OF 39.2 SF. WEAKENING DEFECTION IN A VERTICAL PLANE OF MORE THAN 1/2" PER 1000 LBS. IN A HORIZONTAL PLANE, THE BRACKET ARM SHALL DEFORM NOT MORE THAN 1/2" INCHES.

6. BRACKET ARM ASSEMBLIES SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION.

7. BRACKET ARM ASSEMBLIES SHALL BE PAINTED AS SPECIFIED.