**EXAMPLE 1 INSTRUCTIONS**

1. Select Arm Type
   - Compare attachment sizes and locations with design loading trees. In this case, all attachments are no longer than and closer to the pole than shown in the design loading trees.

2. Select Pole Type
   - Use Pole Selection Table (Double Arm Assembly Design Table) on structures Standard No. S-80D.

3. Determine Pole Mounting Height (in)
   - Pole Type: CI, Use 27
   - Pole Type: G1, Use 27
   - Pole Type: G2, Use 27

4. Enter Assembly Numbers: CI - RI

**STANDARD MAST ASSEMBLIES DESIGN TABLE**

<table>
<thead>
<tr>
<th>STRUCTURE NUMBER</th>
<th>ASSEMBLY NUMBER</th>
<th>FIRST ARM TYPE</th>
<th>FIRST ARM POLE TYPE</th>
<th>FIRST ARM PFA (lbs)</th>
<th>FIRST ARM FBA (lbs)</th>
<th>SECOND ARM TYPE</th>
<th>SECOND ARM POLE TYPE</th>
<th>SECOND ARM PFA (lbs)</th>
<th>SECOND ARM FBA (lbs)</th>
<th>UF (deg)</th>
<th>POLE TYPE</th>
<th>U/CAM (ft)</th>
<th>UB (ft)</th>
<th>U/CAM (ft)</th>
<th>DD (ft)</th>
<th>RA</th>
<th>RB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example 1</td>
<td>CI - RI</td>
<td>CI</td>
<td>B</td>
<td>105,3</td>
<td>52,6</td>
<td>Cl</td>
<td>R</td>
<td>105,3</td>
<td>52,6</td>
<td>270</td>
<td>C1</td>
<td>12</td>
<td>15</td>
<td>12</td>
<td>12</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>Example 2</td>
<td>B5 - B5 - G1</td>
<td>B5</td>
<td>B</td>
<td>105,3</td>
<td>52,6</td>
<td>B2</td>
<td>B</td>
<td>105,3</td>
<td>52,6</td>
<td>270</td>
<td>B2</td>
<td>12</td>
<td>15</td>
<td>12</td>
<td>12</td>
<td>12</td>
<td>12</td>
</tr>
</tbody>
</table>

**TABLE NOTES**

1/ Assembly Number Legend
- Single Arm: All other
- Double Arm: All other

2/ If an entry appears in columns "U/CAM" and "DD", a shorter pole is required.
   - This is obtained by removing length from the pole tip. For these cases, the least length shall be shortened from "U/CAM" to "DD" and the tip diameter shall be increased from "RA" to "RB".

3/ If an entry appears in columns "PFA" and "FBA", a shorter arm is required.
   - This is obtained by removing length from the arm tip. For these cases, the least arm length shall be shortened from "PFA" to "FBA" and the tip diameter shall be increased from "RA" to "RB".

**EXAMPLE 2 INSTRUCTIONS**

1. Select First Arm Type
   - Select the longer arm as the First Arm.

2. Specify pole Type
   - Enter pole Type 12 for the "Standard Mast Assemblies Design Table" on structures Standard No. S-80D.

3. Enter Assembly Numbers: CI - RI

4. Enter Pole Selection Table (Double Arm Assembly Design Table) on structures Standard No. S-80D.

5. Determine Pole Mounting Height (in)
   - Pole Type: CI, Use 27
   - Pole Type: G1, Use 27
   - Pole Type: G2, Use 27

6. Enter Pole Selection Table (Double Arm Assembly Design Table) on structures Standard No. S-80D.

7. Specify pole Type
   - Enter pole Type 12 for the "Standard Mast Assemblies Design Table" on structures Standard No. S-80D.

8. Enter Assembly Numbers: B5 - B5 - G1

**INSTRUCTIONS AND EXAMPLES FOR DESIGNERS AND FABRICATORS OF STANDARD MAST ARM "A" & "A" ASSEMBLIES**

**STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION**