**ABUTMENT DIAPHRAGM ELEVATION**

**ABUTMENT DIAPHRAGM PLAN**

**DETAIL A**
- GIRDER
- ANGLE
- FILLER P
- STIFFENER/CONNECTION PLATE

**DETAIL B**
- GIRDER
- ANGLE
- FILLER P
- STIFFENER/CONNECTION PLATE

**ANGLE SLOTTED HOLE PATTERN**
- TYPICAL BOTH ENDS OF ANGLE

**CONTROL DIMENSIONS**

<table>
<thead>
<tr>
<th>CODE</th>
<th>DESCRIPTION</th>
<th>DIMENSION</th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td>DISTANCE FROM BOTTOM OF TOP FLANGE TO CENTER OF UPPER SLOTTED HOLE</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>DISTANCE BETWEEN CENTER OF UPPER SLOTTED HOLE AND LOWER SLOTTED HOLE</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>ANGLE SIZE LxLxT</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>GIRDER SPACING</td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>DISTANCE BETWEEN CENTER OF SLOTTED HOLE ON CONNECTION PLATE</td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>SLOTTED HOLE SPACING ON CONNECTION PLATE</td>
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</tr>
<tr>
<td>G</td>
<td>DISTANCE FROM EDGE OF ANGLE TO CENTER OF SLOT</td>
<td></td>
</tr>
<tr>
<td>H</td>
<td>SLOTTED HOLE SPACING ON ANGLE</td>
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</tr>
<tr>
<td>I</td>
<td>PLATE SIZE WxHxT</td>
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**WELD SIZES**

<table>
<thead>
<tr>
<th>PLATE THICKNESS</th>
<th>WELD SIZE</th>
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<tbody>
<tr>
<td>1&quot;&lt;</td>
<td>1/8&quot;</td>
</tr>
<tr>
<td>1&quot;</td>
<td>5/32&quot;</td>
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</table>

**NOTE:**
- MILL TO BEAR
- BEARING STIFFENER TO BE ON BOTH SIDES FOR ALL GIRDERS
- BEARING STIFFENER/CONNECTION PLATE

**STIFFENER/CONNECTION PLATE**
- LOOKING AHEAD STATION

**TYP** WHEN STIFFENER IS WIDER THAN FLANGE
**TYP** WHEN STIFFENER IS NARROWER THAN FLANGE

**TYP** WHEN BOLTS "x 2" SLotted Holes FOR 1/2" DIA BOLTS, TYP

**CONNECTION PLATE**
- MILL TO BEAR

**CHECKED**

**DATE**

**DESIGNED**

**DRAWN**

**REVIEWED**

**REVISION**

**DATE**

**STANDARD BRIDGE PLANS**

**NO SKEW**

**SHEET NUMBER**

**PRINT DATE**

**WEST VIRGINIA DEPARTMENT OF TRANSPORTATION**

**DIVISION OF HIGHWAYS**

**14-JUL-2020 06:26**

**14-JUL-2020 06:26**