Appendix B – Typical Transmission Structure Drawings
<table>
<thead>
<tr>
<th>ITEM #</th>
<th>QTY</th>
<th>DESCRIPTION</th>
<th>MFG</th>
<th>MFG ITEM#</th>
</tr>
</thead>
<tbody>
<tr>
<td>10089</td>
<td>3</td>
<td>345kV SUSPENSION POLYMER INSULATOR w/CORONA RING, 50K, Y CLEVIS BALL, 403&quot;</td>
<td>HUBBELL</td>
<td>S050116H201B</td>
</tr>
<tr>
<td>11105</td>
<td>3</td>
<td>SOCKET,Y-CLEVIS, 50K, W/SPHERICAL NUT</td>
<td>HUBBELL</td>
<td>SYC50SN</td>
</tr>
<tr>
<td>11121</td>
<td>3</td>
<td>ANCHOR SHACKLE, 60K, WIDE THROAT, 7/8&quot; COTTER PIN DIA</td>
<td>HUBBELL</td>
<td>AS50WBNK</td>
</tr>
<tr>
<td>11129</td>
<td>6</td>
<td>Y-CLEVIS EYE, 25K ULT, 13/16&quot; EYE HOLE, 1-1/16&quot; EYE WIDTH</td>
<td>PLP</td>
<td>YC-5209</td>
</tr>
<tr>
<td>11140</td>
<td>1</td>
<td>Clamp, Suspension, Armor Grip, Single, For 3/8&quot; Wire, 50k, Long Armored Rod</td>
<td>PLP</td>
<td>AGS-7104S</td>
</tr>
<tr>
<td>11199</td>
<td>2</td>
<td>Cushion Clamp, Double Suspension For OPGW Dia Range 0.508&quot;-0.537&quot; W/O</td>
<td>PLP</td>
<td>4700205CEYP</td>
</tr>
<tr>
<td>11240</td>
<td>1</td>
<td>Suspension Clamp, Double Arm, For OPGW Dia Range 0.512&quot; To 0.536&quot;, W/2</td>
<td>PLP</td>
<td>4300209GCEYP</td>
</tr>
<tr>
<td>11244</td>
<td>3</td>
<td>Yoke Plate, Crescent, 50K Ult., Double Conductor, 345kV</td>
<td>HUBBELL</td>
<td>YPC5026001</td>
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<tr>
<td>18401</td>
<td>2</td>
<td>Damper, Spiral, For 3/8&quot; Wire</td>
<td>PLP</td>
<td>5050104</td>
</tr>
<tr>
<td>20216</td>
<td>2</td>
<td>Damper, Vibration, Spiral, For 3/8&quot; To 5/8&quot; OX Wire</td>
<td>PLP</td>
<td>5050105</td>
</tr>
<tr>
<td>20584</td>
<td>1</td>
<td>Chain Link, 30K, 2-1/4&quot; Long, 1&quot; Opening</td>
<td>HUBBELL</td>
<td>LK30</td>
</tr>
<tr>
<td>20596</td>
<td>2</td>
<td>Y-Clevis, Clevis, 30 Deg, 50K, 7/8&quot; Clevis Opening</td>
<td>HUBBELL</td>
<td>YCC3090</td>
</tr>
<tr>
<td>20596</td>
<td>2</td>
<td>Cushion Clamp, Double Suspension For OPGW Dia Range 0.508&quot;-0.537&quot; W/O</td>
<td>PLP</td>
<td>4700205CEYP</td>
</tr>
</tbody>
</table>

**PRELIMINARY**

**NOT FOR CONSTRUCTION**

THIS DRAWING IS PRELIMINARY AND IS NOT TO BE USED FOR CONSTRUCTION. FOR REVIEW PURPOSES ONLY.
### Section A: OPGW & 3/8" EHS Plan

**Detail A:** OPGW & 3/8" EHS Deadend

**Detail B:** OPGW & 3/8" EHS Plan Scale: N.T.S.

---

### Section B: Conductor Deadend

**Detail B:** Conductor Deadend Scale: N.T.S.

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### Section C: Jumper Post Mounting

**Detail C:** Jumper Post Mounting Scale: N.T.S.

---

### Notes

- **DAVIT ARM AND CLAMP SHOWN AT 90° FOR CLARITY.**
- **GROUNDING.**
- **NUMBERING DETAIL.**
- **FOUNDER DETAIL.**

---

### Material List

<table>
<thead>
<tr>
<th>ITEM #</th>
<th>QTY</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>10998</td>
<td>12</td>
<td>CABLE SLEEVE 5054 CONDUCTOR INSULATION (5/16&quot;&quot;) 500' LEAD LENGTH</td>
</tr>
<tr>
<td>10999</td>
<td>3</td>
<td>CONDUCTOR JUMPER POST FOR STEEL CONDUCTOR (1/2&quot;&quot;) LENGTH, 1/2&quot; O.D. <strong>SUCTIONXI.</strong> 500' LEAD LENGTH</td>
</tr>
<tr>
<td>11000</td>
<td>2</td>
<td>TRANSMISSION LINE TERMINAL FLAT MOUNTING <strong>SUCTIONXI.</strong></td>
</tr>
<tr>
<td>11001</td>
<td>8</td>
<td>POLE PLATE, <strong>TRIANGLE.</strong> 4&quot; X 4&quot; X 1/4&quot; THICK, 1/16&quot; HOLE</td>
</tr>
<tr>
<td>11002</td>
<td>2</td>
<td>SPACER, 8&quot; O.C. FOR 845 KCMIL 54/7 <strong>SUCTIONXI.</strong></td>
</tr>
<tr>
<td>11003</td>
<td>3</td>
<td>POST INSULATION <strong>SUCTIONXI.</strong></td>
</tr>
<tr>
<td>11004</td>
<td>2</td>
<td>DAMPER, <strong>SUCTIONXI.</strong></td>
</tr>
<tr>
<td>11005</td>
<td>6</td>
<td>BOLT, <strong>SUCTIONXI.</strong></td>
</tr>
<tr>
<td>11006</td>
<td>6</td>
<td>WASHER, <strong>SUCTIONXI.</strong></td>
</tr>
<tr>
<td>11007</td>
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<td>NUT, <strong>SUCTIONXI.</strong></td>
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<tr>
<td>11008</td>
<td>12</td>
<td>SOCKET CLEVIS, <strong>SUCTIONXI.</strong></td>
</tr>
</tbody>
</table>

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### Section C-C: Jumper Post Mounting

**Section C-C:** Jumper Post Mounting Scale: N.T.S.

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### Section B-B: Conductor Plan View

**Section B-B:** Conductor Plan View Scale: N.T.S.

---

### Details

- **DAVIT ARM AND CLAMP.**
- **GROUNDING.**
- **NUMBERING DETAIL.**
- **FOUNDER DETAIL.**

---

### Notes

- **FOR STRUCTURE #43.**
- **NOT FOR CONSTRUCTION.**
- **PRELIMINARY.**
- **FOR REVIEW PURPOSES ONLY.**

---

### Hardware List

- **HUBBELL**
  - SC501
  - HYBC30
  - YPC5018549-1
  - YPR6019401
  - 27172430015D73
  - P350152S003A
  - S050116H201B

- **HUGHES**
  - 6
  - 2
  - 2
  - 6

- **PLP**
  - AS50WBNK
  - AS25LBNK
  - YPD5018549-1
  - YPR6019401

- **HUBBELL**
  - 6
  - 3
  - 12

- **BELL**
  - 3
  - 6

- **MFG ITEM#**
  - MFG

---

### Grounding Details

- **GROUNDING.**
- **NUMBERING DETAIL.**
- **FOUNDER DETAIL.**