### POLE DATA

<table>
<thead>
<tr>
<th>POLE NO.</th>
<th>POLE DESCRIPTION</th>
<th>SHAFT DIAMETER</th>
<th>SHAFT DIMENSIONS</th>
<th>MATERIAL BREAKDOWN</th>
<th>BASE SQ. FT</th>
<th>BASE BOLT B.G.</th>
<th>BASE THK.</th>
<th>ANCHOR BOLT OR ROPE DIMENSIONS</th>
<th>35 MPH DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCTV20-LC1</td>
<td>30' -0&quot; 3/8&quot; X 12 1/8&quot;</td>
<td>3/8&quot; X 12 1/8&quot;</td>
<td>20' -0&quot;</td>
<td>3/8&quot; X 12 1/8&quot;</td>
<td>25' 1/16&quot; 1 1/4&quot;</td>
<td>[635] [648] [32]</td>
<td>1 1/4&quot; X 60&quot;</td>
<td>0.07&quot;</td>
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<tr>
<td>CCTV25-LC1</td>
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<td>3/8&quot; X 12 1/8&quot;</td>
<td>25' -0&quot;</td>
<td>3/8&quot; X 12 1/8&quot;</td>
<td>25' 1/16&quot; 1 1/4&quot;</td>
<td>[635] [648] [32]</td>
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<td>30' -0&quot;</td>
<td>3/8&quot; X 12 1/8&quot;</td>
<td>25' 1/16&quot; 1 1/4&quot;</td>
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<td>35' -0&quot;</td>
<td>3/8&quot; X 12 1/8&quot;</td>
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<td>25' 1/16&quot; 1 1/4&quot;</td>
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<td>45' -0&quot;</td>
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<td>0.38&quot;</td>
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<tr>
<td>CCTV50-LC1</td>
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<td>50' -0&quot;</td>
<td>3/8&quot; X 12 1/8&quot;</td>
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<td>[635] [648] [32]</td>
<td>1 1/4&quot; X 60&quot;</td>
<td>0.38&quot;</td>
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</tbody>
</table>

### NOTES
1. Welding of structures shall be in accordance with the latest edition of the AWS Structural Welding Code D1.1—Steel Longitudinal Seam Weld IS 60% Min. Penetration. Except for 6" from end of section at flange, baseplate and slip joint are 100% penetration.
2. Pole shaft is round with 0.1375 taper.

### LOAD CASE 1
1. Effective projected area of camera = 4 sq. ft at 2 ft above top of pole (85 lbs).
2. 12" diameter dish at pole height w/ F.P.A. of 1.3 sq. ft. (78 lbs).

### LOAD CASE 2
1. Effective projected area of camera = 4 sq. ft at 2 ft above top of pole (85 lbs).
2. Side camera = 0.54 sq.ft. at 1 ft from top of pole (10 lbs).
3. Side camera = 0.54 sq.ft. at 2 ft from top of pole (10 lbs).
4. (2) NEMA cabinets installed back to back =1.33 sq.ft. at 3 ft-6 in. from top of pole (45 lbs ea.)
5. Radio equip. = 2.25 sq.ft. at 2 ft from top of pole (10 lbs).
6. Radio equip. = 2.25 sq.ft. at 9 ft from top of pole (10 lbs).

### AASHO 2009 DESIGN PARAMETERS:
1. Location: Washington State
2. Basic wind speed: 90 mph
3. Design life: 50 years
4. Recurrence interval: 1 in 25 yrs
5. Fatigue category: N/A to pole heights less than 55 ft.

### DEFLECTION CRITERIA
Maximum allowable deflection:
- 30 mph wind: 0.75
- 55 mph wind: 0.85
- 70 mph wind: 1.45