## Ergon Energy Document Revision List

**Project:** Sub-Transmission Construction Manual  
**Electronic - Website Version**

<table>
<thead>
<tr>
<th>Date of Issue</th>
<th>Section Title / Drawing Number</th>
<th>Current Published</th>
<th>Issued Document Revision Number</th>
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<td>Day</td>
<td>Month</td>
<td>Year</td>
<td></td>
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**Section 20 - Pole Manufacturing Dwgs Pages 109-1 to 109-10 Ver 2**

- **Section 20 - Pages 109-1 to 109-10 Ver 2 (3.8 MB)**  
  - 4-Apr-16  
  - 1  
  - 0A  
  - 0B

- 5-20-109-1
- 5-20-109-2
- 5-20-109-3
- 5-20-109-4
- 5-20-109-5
- 5-20-109-6
- 5-20-109-7
- 5-20-109-8
- 5-20-109-9
- 5-20-109-10

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Degree symbols in the title boxes are displayed as %D. This does not effect the accuracy of the drawings. This will be resolved in the next revision.
NOTES:
1. Orientation is measured clockwise when looking down on pole tip.
2. Bracketed fittings require +/- 2 mm tolerance between them and +/- 2 mm orientation tolerance.
3. Longitudinal capacities to be not less than transverse capacities.
4. Stainless steel tubes are to be accurately positioned and free from concrete and deformity.
5. A nominal Ø10 vent hole is required at the centre of the through tube provided for square rigging.
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### Table of Fittings

<table>
<thead>
<tr>
<th>Distance (m)</th>
<th>Orientation</th>
<th>Fitting Description</th>
<th>Tube Length</th>
<th>Fitting Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>N</td>
<td>S2 OD S/S tube (28mm thread)</td>
<td>400</td>
<td>Top ring and pole cap (plain)</td>
</tr>
<tr>
<td>300</td>
<td>N</td>
<td>S2 OD S/S tube (28mm thread)</td>
<td>400</td>
<td>Bottom plate back to back (M16)</td>
</tr>
<tr>
<td>500</td>
<td>N</td>
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Refer dwg 5-7-3-2 for Foundations
Refer dwg 5-4-166-6 for Construction

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**Diagram:**
- **Rural DC Vertical Strain 15°-35° Pole**
  - C6RDVZ308EDL
  - C6RDVZ308EDR

**Overhead Sub-Transmission 69kV Con crete Pole Manufacturing Details**
- Double CCT Rural Vertical Strain 15° - 35° Angle 24 x 8IN Pole

**Drawing Number:** 5-20-109-8

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**Additional Information:**
- Structure Type: C6RDVZ308EDL / C6RDVZ308EDR
- Manufacturer's Name/Trade Mark: **NAME PLATE INFORMATION**
  - MANUFACTURER'S NAME/TRADE MARK: **ABN 50 087 646 062**
  - STANDARD / MARINE GRADE: **STANDARD / MARINE GRADE**
  - BATCH NO.: **BATCH NO.**
  - MANUFACTURER'S NAME/TRADE MARK: **MANUFACTURER'S NAME/TRADE MARK**
  - NAME PLATE INFORMATION: **NAME PLATE INFORMATION**
  - STRUCTURE TYPE: **STRUCTURE TYPE**
  - POLE MANUFACTURER: **POLE MANUFACTURER**
  - LENGTH OF POLE (m): **LENGTH OF POLE (m)**
  - BUNDLE NO.: **BUNDLE NO.**
  - MANUFACTURING DETAILS: **MANUFACTURING DETAILS**
  - DOUBLE CCT RURAL VERTICAL STRAIN 15° - 35° ANGLE: **DOUBLE CCT RURAL VERTICAL STRAIN 15° - 35° ANGLE**
  - 24 x 8IN POLE: **24 x 8IN POLE**

**Referenced Documents:**
- **Refer dwg 5-7-3-2 for Foundations**
- **Refer dwg 5-4-166-6 for Construction**

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**Form Fitting Purpose:**
- **FITTING PURPOSE**
  - A: Top ring and pole cap (plain)
  - B: Bottom plate back to back (M16)
  - C: Top plate (M16)
  - D: Bottom plate (M16)
  - E: Bottom plate back to back (M24)
  - F: Crossarm brace (M16)
  - G: M16 earth ferrule (30mm thread)
  - H: M16 ferrule (25mm thread)
  - I: Name Plate
  - J: Depth indication mark
  - K: M16 ferrule long (90mm thread)
  - L: Additional earthing (fully stayed poles)
  - M: M16 earth ferrule (40mm thread)
  - N: M16 earth ferrule (25mm thread)
  - O: Crossarm brace (M24)
  - P: Duplicate crossarm brace (access barrier)
  - Q: M16 earth ferrule (30mm thread)
  - R: M16 earth ferrule (28mm thread)
  - S: M16 earth ferrule (50mm thread)
  - T: M16 earth ferrule (40mm thread)
  - U: M16 earth ferrule (20mm thread)
  - V: M16 earth ferrule (10mm thread)
  - W: M16 earth ferrule (5mm thread)
  - X: M16 earth ferrule (3mm thread)
  - Y: M16 earth ferrule (2mm thread)
  - Z: M16 earth ferrule (1mm thread)

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**Material Information:**
- **MATERIAL INFORMATION**
  - **C6RDVS308EDL**
  - **C6RDVZ308EDR**
  - **Rural DC Vertical Strain 15°-35° Pole**
  - **C6RDVZ308EDL**
  - **C6RDVZ308EDR**

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**Drawing Number:** 5-20-109-8

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**Revision Details:**
- **SUPERSEDES:**
  - **DRAWING NUMBER:**
    - **DRAWING NUMBER:**
      - **DRAWING NUMBER:**
    - **DRAWING NUMBER:**

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**Table of Distances:**

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**Table of Material Information:**

| Length (m) | 24 |
| Limit State Design Load (kN) | 80 |
| TP DA (mm) | 405 |
| Butt DA (mm) | 795 |
| Angle | 15.35° |
| Planting Depth (m) 3.0 (fully stayed) | 4.9 (normal soil) |
| Planting Depth (m) 5.4 (black soil) | 5.4 (black soil) |
| Structure Type | C6RDVZ308EDL / C6RDVZ308EDR |
| Stock Code | 2445518 |
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