### Ergon Energy Document Revision List

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

#### Section 20 - Pole Manufacturing Dwgs Pages 309-1 to 309-6

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<th>Section Title / Drawing Number</th>
<th>Current Published</th>
<th>Issued Document Revision Number</th>
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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.
6. Temporary stays may be required during construction and/or maintenance works.

Refer dwg 5-7-3-2 for Foundations
Refer dwg 5-4-263-8 for Pole Construction

NAME PLATE INFORMATION
MANUFACTURER NAME/TRADE MARK
MONTH AND YEAR OF MANUFACTURE
LENGTH OF POLE (m) + L/W D/H STATEMENT LOAD
STRUCTURE TYPE
LOCAL ENERGY
STOCK CODE

DRAWING NUMBER 5-20-309-1
OVERHEAD SUB-TRANSMISSION
130kV CONCRETE POLE MANUFACTURING DETAILS
DOUBLE CIRCUIT RURAL VERTICAL STRAIN
24m x 60kN AND 45° = 55kN ANGLE POLE

C1RDV606EDR C1RDV2606EDR C1RDV606EDR
Refer dwg 5-7-3-2 for Foundations
Refer dwg 5-4-263-8 for Construction
**NOTES**

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### Table

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<th>DISTANCE FROM POLE BUTT (mm)</th>
<th>ORIENTATION</th>
<th>FITTING DESCRIPTION</th>
<th>TUBE LENGTH (mm)</th>
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### Diagram

- Overhead Sub-Transmission
- 120kV Concrete Pole Manufacturing Details
- Double Circuit Rural Vertical Strain
- 24m x 80N and 45° - 55° Pole Angle Pole

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### STOK COECE:

- STRUCTURE TYPE: C1RDVS68ED/L
- STOK CODE: 2449932

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### Figure

- Drawing Number: 520-309-4
- Date: 30-4
- Scale: 1:100
- Manufacturer: ERGON ENERGY
- POLE MANUFACTURE: STANDART / MARINE GRADE
1. Orientation is measured clockwise when looking down on pole tip.
2. Brackets 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 G100 weld hole is required at the centre of the through tube provided for square ageing.
6. A temporary stay may be required during construction and/or maintenance works.

NOTES

Refer dwg 5-4-263-8 for construction.
### 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.
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5. A nominal B101 vent hole is required at the centre of the through tube provided for square rigging.
6. Temporary stays may be required during construction and/or maintenance works.

Refer dwg 5-7-3-2-4 for Foundations
Refer dwg 5-4-263-8 for Construction