**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 may not be less than transverse capacities.
4. Stainless steel tubes are to be accurately positioned and free from concrete and deformity.
5. A nominal Ø120 vent hole is required at the centre of the through tube provided for square rigging.
6. No subsidiary to be incorporated on 18m poles.

---

Refer dwg 5-7-3-2 for Foundations
Refer dwg 5-4-165-6 for Construction
### Table: Distance and Orientation

<table>
<thead>
<tr>
<th>Distance</th>
<th>Orientation</th>
<th>Fitting Description</th>
<th>Tube Length</th>
<th>Fitting Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>N</td>
<td>M16 ferrule (25mm thread)</td>
<td>90</td>
<td>Earth</td>
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<tr>
<td>100</td>
<td>N</td>
<td>M16 ferrule (25mm thread)</td>
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<td>Earth</td>
</tr>
<tr>
<td>200</td>
<td>F</td>
<td>M16 ferrule (25mm thread)</td>
<td>90</td>
<td>Earth</td>
</tr>
<tr>
<td>300</td>
<td>F</td>
<td>M16 ferrule (25mm thread)</td>
<td>90</td>
<td>Earth</td>
</tr>
</tbody>
</table>

### 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 no 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.

### Diagram:
Refer dwg 5-7-3-2 for Foundations
Refer dwg 5-165-6 for Construction

### Engineering Details:
- **Length (m):** 21
- **Limit State Design Load (kN):** 60

**Table:**

<table>
<thead>
<tr>
<th>Planting Depth (m)</th>
<th>Butt Dia. (mm)</th>
<th>Tip Dia. (mm)</th>
<th>Limit State Design Load (kN)</th>
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</thead>
<tbody>
<tr>
<td>0</td>
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<td>190</td>
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<td>20</td>
<td>500</td>
<td>500</td>
<td>150</td>
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</tbody>
</table>

**Diagram:**
- **Note:** Refer to diagrams for fitting details.
**OVERHEAD SUB-TRANSMISSION**

66kV CONCRETE POLE MANUFACTURING DETAILS

<table>
<thead>
<tr>
<th>SUPERSEDES:</th>
<th>DRAWING NUMBER</th>
<th>5-20-108-4</th>
</tr>
</thead>
</table>

**DESCRIPTION**

- **27m x 60kN POLE**
- **Rural DC Vertical Strain 5°-15° Pole**
- **ERGON ENERGY**

**NAME PLATE INFORMATION**

- **MANUFACTURER'S NAME/TRADE MARK**
- **MONTH AND YEAR OF MANUFACTURE**
- **LENGTH OF POLE (m) / LIMIT STATE DESIGN LOAD (kN)**
- **STRUCTURE TYPE**
- **POLE MANUFACTURE**
- **STANDARD / MARINE GRADE**
- **ECONOMY / ENERGY STOCK CODE**

**FITTING DESCRIPTION**

<table>
<thead>
<tr>
<th>ORIENTATION</th>
<th>FITTING PURPOSE</th>
<th>TUBE DESCRIPTION</th>
<th>FITTING LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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<td></td>
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</tbody>
</table>

**NOTES**

1. Orientation is measured clockwise when looking down on pole tip.
2. Skewcapped fittings require +/- 2 mm tolerance between them and +/- 2 mm orientation tolerance.
3. Longitudinal capacities to be 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.

---

**Limit State Design Load**

- **Limit State Design Load (kN)**
- **Length (m)**
- **Material**
- **Manufacturing Details**
- **Drawing Number**

---

**References**

- Refer dwg 5-7-3-2 for Foundations
- Refer dwg 5-4-165-6 for Construction
### DESCRIPTION

<table>
<thead>
<tr>
<th>DISTANCE</th>
<th>ORIENTATION</th>
<th>FITTING DESCRIPTION</th>
<th>TUBE LENGTH</th>
<th>FITTING PURPOSE</th>
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</thead>
<tbody>
<tr>
<td>0 A</td>
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<td>M12 Ferrule (40mm thread)</td>
<td>Earth</td>
<td></td>
</tr>
<tr>
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<td></td>
<td>M12 Ferrule (40mm thread)</td>
<td>Earth</td>
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<tr>
<td>200</td>
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<td>1000</td>
<td></td>
<td>M12 Ferrule (40mm thread)</td>
<td>Earth</td>
<td></td>
</tr>
</tbody>
</table>

### 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. No subsidiary to be incorporated on 18m poles.
**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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**NAME PLATE INFORMATION**

**MANUFACTURER: EAGON ELECTRIC**

**MONTH AND YEAR OF MANUFACTURE: 5-10-18**

**STOCK CODE: C6RDV018GDL/GDR**

**OVERHEAD SUB-TRANSMISSION**

**68kV CONCRETE POLE MANUFACTURING DETAILS**

**DOUBLE CIRCUIT RURAL VERTICAL STRAIN 5° - 15° ANGLE**

**30m x 80kN POLE**

**5-20-108-10**

---

**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. Nominal Ø10 vent hole is required at the centre of the through tube provided for square rigging.
4. Stainless steel tubes are to be accurately positioned and free from concrete and deformity.

---

**5-4-165-6 for Construction**

**Refer dwg 5-7-3-2 for Foundations**

---

**DISTANCE**

**ORIENTATION**

**FITTING DESCRIPTION**

**FITTING PURPOSE**

---

**DRAWING NUMBER:** C6RDY291652DR

**DRAWING NUMBER:** C6RDV018GDL/GDR
NOTES
1. Orientation is measured clockwise when looking down on pole tip.
2. Bracketed fittings require +/- 2 mm tolerance between them and +/- 2mm 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. All nominal Ø10 vent hole is required at the centre of the through tube provided for square rigging.
6. No subsidiary to be incorporated on 18m poles.

Refer dwg 5-7-3-2 for Foundations
Refer dwg 5-4-166-6 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.
4. Stainless steel tubes are to be accurately positioned and free from concrete and deformation.
5. A nominal Ø10 vent hole is required at the centre of the through tube provided for square rigging.

---

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

---

**OVERHEAD SUB-TRANSMISSION**  
69kV CONCRETE POLE MANUFACTURING DETAILS  
DOUBLE C/C RURAL VERTICAL STRAIN 15°-30° - 35°D ANGLE  
21m x 8kn POLE  

---

**DRAWING NUMBER:** 5-20-109-2  
**STOCK CODE:** 2445484
### Table: Dimensions and Fittings

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<th>Fitting Purpose</th>
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<td>T</td>
<td>Tip ring and pole cap (plain)</td>
<td>1</td>
</tr>
<tr>
<td>J</td>
<td>Depth indication mark</td>
<td>2</td>
</tr>
<tr>
<td>H</td>
<td>M16 ferrule (25mm thread)</td>
<td>3</td>
</tr>
<tr>
<td>G</td>
<td>M12 earth ferrule (30mm thread)</td>
<td>22</td>
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<tr>
<td>N</td>
<td>M16 earth ferrule (40mm thread)</td>
<td>8</td>
</tr>
<tr>
<td>I</td>
<td>Name plate</td>
<td>2</td>
</tr>
<tr>
<td>P</td>
<td>Joint</td>
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</tr>
<tr>
<td>F</td>
<td>25 OD S/S tube for M16 bolt</td>
<td>2</td>
</tr>
<tr>
<td>E</td>
<td>25 OD S/S tube for M20 bolt</td>
<td>11</td>
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<td>T</td>
<td>38 OD S/S tube for M24 bolt</td>
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<td>K</td>
<td>38 OD S/S tube</td>
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<tr>
<td>X</td>
<td>M16 ferrule long (90mm thread)</td>
<td>6</td>
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### Notes:
1. Orientation is measured clockwise when looking down on pole tip.
2. Bracketed fittings require +/- 2 mm tolerance between them and +/- 2mm 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 010 vent hole is required at the centre of the through tube provided for square rigging.

Refer dwg 5-7-3-2 for Foundations
Refer dwg 5-4-166-6 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.
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. No subsidiary to be incorporated on 18m poles.

Refer dwg 5-7-3-2 for Foundations
Refer dwg 5-4-166-6 for Construction
## Fittings and Purposes

<table>
<thead>
<tr>
<th>Distance (m)</th>
<th>Orientation</th>
<th>Fitting Description</th>
<th>Fitting Purpose</th>
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<tbody>
<tr>
<td>100</td>
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<tr>
<td></td>
<td>360</td>
<td>M16 Ferrule Long (90mm thread)</td>
<td>Earth</td>
</tr>
</tbody>
</table>

### Additional Details

- **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 Ø13 vent hole is required at the centre of the through tube provided for square rigging.

---

**Table of Contents**

- **DESIGN LOAD**
  - **LENGHT (m)**: 24
  - **LIMIT STATE DESIGN LOAD (kN)**: 80
- **SPACING**
  - **TIP D.A. (mm)**: 405
  - **BUTT D.A. (mm)**: 795
- **ANGLE**
  - **BUTT**: 15° 5’
  - **TIP**: 0°
- **PLANTING DEPT (m)**
  - **BUTT**: 3.0 (FULLY STAYED)
  - **TIP**: 4.9 (NORMAL SOIL)
  - **TOP**: 5.4 (BLACK SOIL)
- **STOCK CODE**
  - **C6RDVZ308EDR**

---

**Diagram**

- **OVERHEAD SUB-TRANSMISSION**
  - 68kV CONCRETE POLE MANUFACTURING DETAILS
  - DOUBLE C/C RURAL VERTICAL STRAIN 15°D - 35°D ANGLE
  - 24m x 8m POLE

---

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

**ERGON ENERGY**

**Date**: 11/09/2009

**Drawing No.**: 5-20-109-8

**Endorsement No.**: 5-20-109-8
### NOMENCLATURE

- **Black Soil**: 400 mm fully stayed
- **Normal Soil**: 3.0 m (5.4 normal soil)
- **Black Soil**: 3.0 m (5.9 black soil)

### STRUCTURE TYPE

- **C6RDVZ308GDL/GDR**
- **C6RDVS308GDL/GDR**

### STOCK CODE

- **2445556**

### LENGTH (m)

- **30**

### LIMIT STATE DESIGN LOAD (kN)

- **80**

### TP DIA. (mm)

- **405**

### BUTT DIA. (mm)

- **855**

### ANGLE

- **15° - 35°**

### PLANTING DEPTH (m)

- **5.4 (Normal Soil)**

### DESIGNATION

- **CSRDVS308GDL/GDR C6RDVZ308GDL/GDR**

### DESCRIPTION

#### FITTING DESCRIPTION

<table>
<thead>
<tr>
<th>Distance</th>
<th>Orientation</th>
<th>Fitting Description</th>
<th>Tube Length</th>
<th>Fitting Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
<td>TP ring</td>
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<tr>
<td>100</td>
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<td>M16 ferrule (Min 40mm thread)</td>
<td>1260</td>
<td></td>
</tr>
</tbody>
</table>

#### 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 no 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.

Refer dwg 5-7-3-2 for Foundations
Refer dwg 5-4-166-6 for Construction

---

### OVERHEAD SUB-TRANSMISSION

**90kV CONCRETE POLE MANUFACTURING DETAILS**

**DOUBLE C/C RURAL VERTICAL STRAIN 15°-30° - 35° ANGLE**

**Rural DC Vertical Strain 15°-30° Pole**

**Rural DC Vertical Strain 15°-30° Pole**

**Ergon Energy**

**Drawing Number 5-20-109-10**

**CB**
**LIMIT STATE DESIGN LOAD (kN)** 60

**BUTT Dia. (mm)** 675

**DEVIATION ANGLE (°)** 45

**PLANTING DEPTH (mm)** 3,600 (FULLY STAYED)

**PLANTING DEPTH (mm)** 4,400 (BLACK SOIL)

**STRUCTURE TYPE** C6RDVZ326CDL/CDR C6RDVZ326CDL/CDR

**STOCK CODE** 2445567

**REFERENCES**

- **DRAWING NUMBER** 5-20-10-01
- **DATE** 5-24-11
- **DRAWN** R.M. Margani
- **APPROVED** P. De Sousa Roque

**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 shall not be 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. No subsidiary to be incorporated on 18m poles.

Refer dwg 5-7-3-2 for Foundations

Refer dwg 5-4-166-6 for Pole Construction

**DRAWING TITLE**

**NAME PLATE INFORMATION**

MANUFACTURER'S NAME/TRADE MARK

MAY AND YEAR OF MANUFACTURE

LENGTH OF POLE (m) LIMIT STATE DESIGN LOAD

STRUCTURE TYPE

BATCH NO.

STANDARDS: MARINE GRADE, ELECTRICAL INSULATION

**STOCK CODE**

**DISTANCE** (mm) **ORIENTATION**

<table>
<thead>
<tr>
<th>ORIENTATION</th>
<th>0°</th>
<th>10°</th>
<th>20°</th>
<th>30°</th>
<th>40°</th>
<th>50°</th>
<th>60°</th>
<th>70°</th>
<th>80°</th>
<th>90°</th>
</tr>
</thead>
<tbody>
<tr>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
</tbody>
</table>

**FITTING DESCRIPTION**

- M16 female (Min 40mm thread)
- M16 female (25mm thread)
- M16 ferrule (25mm thread)
- M12 earth ferrule (30mm thread)
- M12 earth ferrule (30mm thread)

**FITTING PURPOSE**

- Tip ring and pole cap (plain)
- Tip ring and pole cap (plain)
- Depth indication marker (normal soil)
- Depth indication marker (black soil)
- Tip ring and pole cap (plain)

**CONTROLLED**

**SHEET S/N**

**DRAWING NUMBER**

**OVERHEAD SUB-TRANSMISSION**

**66kV CONCRETE POLE MANUFACTURING DETAILS**

**RURAL VERTICAL STRAIN 35° - 45° ANGLE**

**18m x 32OD POLE**

**DRAWING NUMBER**

**DRAWN**

**APPROVED**
NOTES
1. Orientation is measured clockwise when looking down on pole tip.
2. Bracketed fittings require +/-2mm tolerance between them and +/-2mm 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 ventilating hole is required at the centre of the through tube provided for square rigging.

Refer dwg 5-7-3-2 for Foundations
Refer dwg 5-4-166-6 for Pole Construction

---

OVERHEAD SUB-TRANSMISSION
69kV CONCRETE POLE MANUFACTURING DETAILS
DOUBLE C/C RURAL VERTICAL STRAIN 35°-45° ANGLE
21m x 8KN POLE
NOTES
1. Orientation is measured clockwise when looking down on pole tip.
2. Bracketed fittings require +/- 2 mm tolerance between them and +/- 2mm orientation tolerance.
3. Longitudinal capacities to be not less than transverse capacities.
4. All steel fittings 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.

Refer dwg 5-7-3-2 for Foundations
Refer dwg 5-4-166-6 for Pole 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.
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.

Refer dwg 5-7-3-2 for Foundations

Refer dwg 5-4-166-6 for Pole Construction
## Name Plate Information

- **Manufacturer's Name/Trade Mark**: [manufacturer name]
- **Month and Year of Manufacture**: [year]
- **Length of Pole (m)**: [length]
- **Structure Type**: [structure type]
- **Batch No.**: [batch number]
- **Standard**: [standard]
- **Energy Grade**: [energy grade]
- **Stock Code**: [stock code]

## Drawing Details

- **Drawing Number**: 21m x 80kN Pole
- **Overall Sub-Transmission**: 66kV Conrete Pole Manufacturing Details
- **Double C/CT Rural Vertical Strain 35° - 45° Angle**

## Notes

1. Orientation is measured clockwise when looking down on pole tip.
2. Bracketed fittings require +/- 2 mm tolerance between them and +/- 2mm orientation tolerance.
3. Longitudinal capacities to be not less than transverse capacities.
4. Stainless steel bolts 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 concrete rigging.

---

**Table:**

<table>
<thead>
<tr>
<th>Distance</th>
<th>Orientation</th>
<th>Fitting Description</th>
<th>Use</th>
<th>Fitting Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>M16 Female (40mm thread)</td>
<td>M16 Bolt in 100mm PCO</td>
<td></td>
</tr>
<tr>
<td>0</td>
<td></td>
<td>M28 Female (50mm thread)</td>
<td>M28 Bolt in 100mm PCO</td>
<td></td>
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### Additional Earthing

- **Earthing**: [earthing details]
- **Additional earthing (in black soil)**: [additional earthing details]

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### Set Fitting Description

<table>
<thead>
<tr>
<th>Fitting Description</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tip ring and pole cap (plain)</td>
<td>1</td>
</tr>
<tr>
<td>M16 ferrule (25mm thread)</td>
<td>1</td>
</tr>
<tr>
<td>M16 earth ferrule (30mm thread)</td>
<td>1</td>
</tr>
<tr>
<td>M16 Ferrule Long (90mm thread)</td>
<td>1</td>
</tr>
<tr>
<td>M12 earth ferrule (30mm thread)</td>
<td>1</td>
</tr>
<tr>
<td>22 OD S/S tube for M16 bolt</td>
<td>1</td>
</tr>
<tr>
<td>22 OD S/S tube for M24 bolt</td>
<td>1</td>
</tr>
<tr>
<td>38 OD S/S tube</td>
<td>1</td>
</tr>
<tr>
<td>38 OD S/S tube</td>
<td>1</td>
</tr>
<tr>
<td>M16 earth ferrule (25mm thread)</td>
<td>1</td>
</tr>
<tr>
<td>M16 earth ferrule (25mm thread)</td>
<td>1</td>
</tr>
<tr>
<td>M16 Ferrule Long (90mm thread)</td>
<td>1</td>
</tr>
<tr>
<td>M16 Ferrule Long (90mm thread)</td>
<td>1</td>
</tr>
<tr>
<td>M16 Ferrule Long (90mm thread)</td>
<td>1</td>
</tr>
<tr>
<td>M12 earth ferrule (30mm thread)</td>
<td>1</td>
</tr>
<tr>
<td>M12 earth ferrule (30mm thread)</td>
<td>1</td>
</tr>
<tr>
<td>M16 Ferrule Long (90mm thread)</td>
<td>1</td>
</tr>
<tr>
<td>M16 Ferrule Long (90mm thread)</td>
<td>1</td>
</tr>
<tr>
<td>M12 earth ferrule (30mm thread)</td>
<td>1</td>
</tr>
<tr>
<td>M12 earth ferrule (30mm thread)</td>
<td>1</td>
</tr>
<tr>
<td>M12 earth ferrule (30mm thread)</td>
<td>1</td>
</tr>
<tr>
<td>M16 Ferrule Long (90mm thread)</td>
<td>1</td>
</tr>
<tr>
<td>M16 Ferrule Long (90mm thread)</td>
<td>1</td>
</tr>
<tr>
<td>M12 earth ferrule (30mm thread)</td>
<td>1</td>
</tr>
<tr>
<td>M12 earth ferrule (30mm thread)</td>
<td>1</td>
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<tr>
<td>M16 Ferrule Long (90mm thread)</td>
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<tr>
<td>M16 Ferrule Long (90mm thread)</td>
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<tr>
<td>M12 earth ferrule (30mm thread)</td>
<td>1</td>
</tr>
<tr>
<td>M16 Ferrule Long (90mm thread)</td>
<td>1</td>
</tr>
<tr>
<td>M16 Ferrule Long (90mm thread)</td>
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</tbody>
</table>

---

**Diagram:**

- Refer dwg 5-7-3-2 for Foundations
  - Refer dwg 5-4-166-6 for Pole Construction

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**Hard Copy Uncontrolled**
### OVERHEAD SUB-TRANSMISSION 66kV CONCRETE POLE MANUFACTURING DETAILS

#### DOUBLE CCT RURAL VERTICAL STRAIN 35°D - 45°D ANGLE

**Reference:**
- **Tip O.D.:** 405mm
- **Bottom O.D.:** 765mm
- **Planting Depth:** 4.5m (black soil)
- **Planting depth:** 5.4m
- **Structure Type:** C6RDVS328EDL/EDR, C6RDVZ328EDL/EDR
- **Stock Code:** 2445617

### Fitting Details

<table>
<thead>
<tr>
<th>Distance (mm)</th>
<th>Fitting Description</th>
<th>Tube Size</th>
<th>Fitting Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>M12 Female (Mm 25mm thread)</td>
<td>22 OD S/S tube</td>
<td>Fall Arrest Bolt and Step bolt to pole</td>
</tr>
<tr>
<td>110</td>
<td>M12 Ferrule (30mm thread)</td>
<td>32 OD S/S tube</td>
<td>Fall Arrest Bolt and Step bolt to pole</td>
</tr>
<tr>
<td>120</td>
<td>M16 Female (25mm thread)</td>
<td>25 OD S/S tube</td>
<td>Fall Arrest Bolt and Step bolt to pole</td>
</tr>
<tr>
<td>130</td>
<td>M16 Ferrule (25mm thread)</td>
<td>25 OD S/S tube</td>
<td>Fall Arrest Bolt and Step bolt to pole</td>
</tr>
<tr>
<td>140</td>
<td>M16 Female (25mm thread)</td>
<td>25 OD S/S tube</td>
<td>Fall Arrest Bolt and Step bolt to pole</td>
</tr>
<tr>
<td>150</td>
<td>M16 Ferrule (25mm thread)</td>
<td>25 OD S/S tube</td>
<td>Fall Arrest Bolt and Step bolt to pole</td>
</tr>
<tr>
<td>160</td>
<td>M16 Female (25mm thread)</td>
<td>25 OD S/S tube</td>
<td>Fall Arrest Bolt and Step bolt to pole</td>
</tr>
<tr>
<td>170</td>
<td>M16 Ferrule (25mm thread)</td>
<td>25 OD S/S tube</td>
<td>Fall Arrest Bolt and Step bolt to pole</td>
</tr>
<tr>
<td>180</td>
<td>M16 Female (25mm thread)</td>
<td>25 OD S/S tube</td>
<td>Fall Arrest Bolt and Step bolt to pole</td>
</tr>
<tr>
<td>190</td>
<td>M16 Ferrule (25mm thread)</td>
<td>25 OD S/S tube</td>
<td>Fall Arrest Bolt and Step bolt to pole</td>
</tr>
<tr>
<td>200</td>
<td>M16 Female (25mm thread)</td>
<td>25 OD S/S tube</td>
<td>Fall Arrest Bolt and Step bolt to pole</td>
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<td>210</td>
<td>M16 Ferrule (25mm thread)</td>
<td>25 OD S/S tube</td>
<td>Fall Arrest Bolt and Step bolt to pole</td>
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<tr>
<td>220</td>
<td>M16 Female (25mm thread)</td>
<td>25 OD S/S tube</td>
<td>Fall Arrest Bolt and Step bolt to pole</td>
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<tr>
<td>230</td>
<td>M16 Ferrule (25mm thread)</td>
<td>25 OD S/S tube</td>
<td>Fall Arrest Bolt and Step bolt to pole</td>
</tr>
<tr>
<td>240</td>
<td>M16 Female (25mm thread)</td>
<td>25 OD S/S tube</td>
<td>Fall Arrest Bolt and Step bolt to pole</td>
</tr>
</tbody>
</table>

### Additional Fitments

- **Depth Indication Marker:**
  - For black soil (M16 female 25mm thread)
- **Earthing (in normal soil):**
  - M12 Ferrule (30mm thread)
- **Earthing (fully stayed):**
  - M16 Ferrule (25mm thread)

### 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 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.

Refer dwg 5-7-3-2 for Foundations
Refer dwg 5-4-166-6 for Pole Construction