<table>
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<tr>
<th>Section Title / Drawing Number</th>
<th>Current Published</th>
<th>Issued Document Revision Number</th>
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<tr>
<td>Section 20 - Pages 208-1 to 208-6 Ver 3</td>
<td>4-Apr-16</td>
<td>1 3</td>
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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.
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 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.
6. Temporary stays may be required during construction and/or maintenance works.

Refer dwg 5-7-3-2 for Foundations
Refer dwg 5-4-241-10 for Construction

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### 132kV Concrete Pole Manufacturing Details

**Description**: Single Circuit Rural Vertical Strain

**Dimensions**: 27m x 80kN and 155° - 350° Angle Pole

**Drawing Number**: 5-20-208-5

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**Table 1: Details**

<table>
<thead>
<tr>
<th>Description</th>
<th>Qty</th>
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<tr>
<td>Tip ring and pole cap (plain)</td>
<td>1</td>
</tr>
<tr>
<td>M16 female (25mm thread)</td>
<td>44</td>
</tr>
<tr>
<td>Name plate</td>
<td>2</td>
</tr>
<tr>
<td>Joint</td>
<td>1</td>
</tr>
<tr>
<td>M12 earth ferrule (30mm thread length)</td>
<td>20</td>
</tr>
<tr>
<td>Name Plate</td>
<td>1</td>
</tr>
<tr>
<td>22 OD S/S tube for M16 bolt</td>
<td>3</td>
</tr>
<tr>
<td>32 OD S/S tube</td>
<td>8</td>
</tr>
<tr>
<td>32 OD S/S tube for M24 bolt</td>
<td>8</td>
</tr>
<tr>
<td>5mm galv. cross wires (access barrier)</td>
<td>2</td>
</tr>
<tr>
<td>D16 female long (90mm thread length)</td>
<td>6</td>
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</table>

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---

**Diagram Description**

- **Access barrier**
- **Additional earthing (fully stayed)**
- **Additional earthing (in normal soil)**
- **Depth Indication marker (black soil)**
- **Depth Indication marker (fully stayed)**
- **Tip ring and Pole cap (plain)**
- **Eye bolt for OHEW (M20)**
- **Eye bolt for OHEW (M20)**
- **Mid Phase Flanged Eye Bolt (M20)**
- **Mid Phase Flanged Eye Bolt (M20)**
- **Top phase bridging insulator (M16)**
- **Top phase bridging insulator (M16)**
- **Upper Stay bracket (M24)**
- **Upper Stay bracket (M24)**
- **Eye bolt for OHEW (M20)**
- **Eye bolt for OHEW (M20)**
- **Mid Phase Flanged Eye Bolt (M20)**
- **Mid Phase Flanged Eye Bolt (M20)**
- **Name Plate**
- **Name Plate**
- **Access barrier**
- **Additional earthing (fully stayed)**
- **Additional earthing (in normal soil)**
- **Depth Indication marker (black soil)**

---

**Diagram Details**

- **Access barrier**
- **Additional earthing (fully stayed)**
- **Additional earthing (in normal soil)**
- **Depth Indication marker (black soil)**
- **Tip ring and Pole cap (plain)**
- **Eye bolt for OHEW (M20)**
- **Eye bolt for OHEW (M20)**
- **Mid Phase Flanged Eye Bolt (M20)**
- **Mid Phase Flanged Eye Bolt (M20)**
- **Top phase bridging insulator (M16)**
- **Top phase bridging insulator (M16)**
- **Upper Stay bracket (M24)**
- **Upper Stay bracket (M24)**
- **Eye bolt for OHEW (M20)**
- **Eye bolt for OHEW (M20)**
- **Mid Phase Flanged Eye Bolt (M20)**
- **Mid Phase Flanged Eye Bolt (M20)**
- **Name Plate**
- **Name Plate**
- **Access barrier**
- **Additional earthing (fully stayed)**
- **Additional earthing (in normal soil)**
- **Depth Indication marker (black soil)**

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### NAME PLATE INFORMATION

**MANUFACTURER'S NAME/TRADE MARK**

**MONTH AND YEAR OF MANUFACTURE**

**LENGTH OF POLE (m)**

**LIMIT STATE DESIGN LOAD (kN)**

**STRUCTURE TYPE**

**STOCK CODE**

---

### Fitting Description

<table>
<thead>
<tr>
<th>Orientation</th>
<th>Description</th>
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<tbody>
<tr>
<td>0</td>
<td>Tip ring and pole cap (plain)</td>
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<tr>
<td>10</td>
<td>M16 ferrule (25mm thread)</td>
</tr>
<tr>
<td>20</td>
<td>M16 Female (25mm thread)</td>
</tr>
<tr>
<td>30</td>
<td>M16 Female (25mm thread)</td>
</tr>
<tr>
<td>40</td>
<td>M16 ferrule (25mm thread)</td>
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<tr>
<td>50</td>
<td>M16 Female (25mm thread)</td>
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<tr>
<td>60</td>
<td>M16 Female (25mm thread)</td>
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<td>70</td>
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<td>110</td>
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<td>130</td>
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<td>M16 Female (25mm thread)</td>
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<tr>
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<td>M16 Female (25mm thread)</td>
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<td>290</td>
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<td>M16 Female (25mm thread)</td>
</tr>
<tr>
<td>310</td>
<td>M16 ferrule (25mm thread)</td>
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</table>

**Fitting Purpose**

1. Tip ring and pole cap
2. M16 ferrule (25mm thread)
3. M16 Female (25mm thread)
4. M16 ferrule (25mm thread)
5. M16 Female (25mm thread)
6. M16 ferrule (25mm thread)
7. M16 Female (25mm thread)
8. M16 ferrule (25mm thread)
9. M16 Female (25mm thread)
10. M16 ferrule (25mm thread)
11. M16 Female (25mm thread)
12. M16 ferrule (25mm thread)
13. M16 Female (25mm thread)
14. M16 ferrule (25mm thread)
15. M16 Female (25mm thread)
16. M16 ferrule (25mm thread)
17. M16 Female (25mm thread)
18. M16 ferrule (25mm thread)
19. M16 Female (25mm thread)
20. M16 ferrule (25mm thread)
21. M16 Female (25mm thread)
22. M16 ferrule (25mm thread)
23. M16 Female (25mm thread)
24. M16 ferrule (25mm thread)
25. M16 Female (25mm thread)
26. M16 ferrule (25mm thread)
27. M16 Female (25mm thread)
28. M16 ferrule (25mm thread)
29. M16 Female (25mm thread)
30. M16 ferrule (25mm thread)
31. M16 Female (25mm thread)
32. M16 ferrule (25mm thread)
33. M16 Female (25mm thread)
34. M16 ferrule (25mm thread)
35. M16 Female (25mm thread)
36. M16 ferrule (25mm thread)
37. M16 Female (25mm thread)
38. M16 ferrule (25mm thread)
39. M16 Female (25mm thread)
40. M16 ferrule (25mm thread)
41. M16 Female (25mm thread)
42. M16 ferrule (25mm thread)
43. M16 Female (25mm thread)
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54. M16 ferrule (25mm thread)
55. M16 Female (25mm thread)
56. M16 ferrule (25mm thread)
57. M16 Female (25mm thread)
58. M16 ferrule (25mm thread)
59. M16 Female (25mm thread)
60. M16 ferrule (25mm thread)

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