

NOTES:

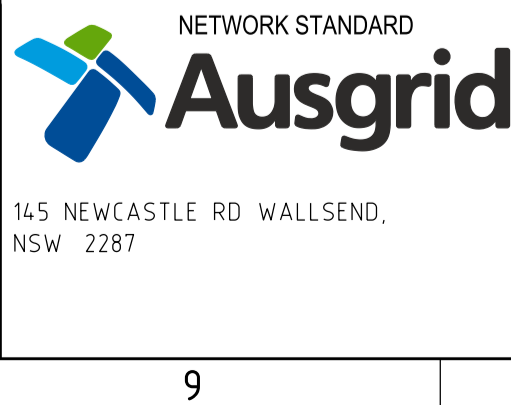
1. THE FOLLOWING INFORMATION IS OBTAINED FROM THE PROJECT DESIGN DRAWINGS:
 - a. POLE LENGTH AND STRENGTH.
 - b. SPECIAL FOUNDATION REQUIREMENTS.
 - c. POLE EMBEDMENT DEPTH.
 - d. PHASE CONDUCTOR SIZE.
 - e. STAY REQUIREMENTS.
 - f. DEVIATION ANGLE.
 - g. ASSESSED EARTHING REQUIREMENTS.
2. THE MAXIMUM LINE DEVIATION ANGLE TO BE CONSTRUCTED ON THIS ARRANGEMENT IS TO BE DETERMINED BY THE LINE DESIGNER.
3. LONGROD INSULATORS TO BE USED UNDER NORMAL CONDITIONS.
4. STAYS TO BE INSTALLED SO THAT THE STAY WIRE CLEARANCE FROM THE PHASE CONDUCTORS COMPLIES WITH THE STATUTORY REQUIREMENTS.
5. THE OVERHEAD EARTH WIRE DOWN LEAD IS TO BE FIXED TO THE POLE SO AS TO GIVE THE MAXIMUM CLEARANCE TO THE NEAREST PHASE CONDUCTOR.
6. ALL BOLTS PASSING THROUGH TIMBER ARE TO BE COATED WITH GRAPHITE GREASE.
7. POLES SHALL BE DRILLED, SCARFED AND DRESSED ON SITE. DRILLING AND SCARFING TO BE TREATED WITH APPROVED PRESERVATIVES.
8. THE EARTHING DOWN LEAD IS TO BE FIXED TO THE POLE WITH STAPLES AT INTERVALS NOT GREATER THAN 450mm. ONLY SUFFICIENT INSULATION IS TO BE REMOVED FROM THE DOWN LEAD TO MAKE AN EFFECTIVE CONNECTION TO THE POLE HARDWARE.
9. THE LOAD AND DEVIATION ALLOWABLE ON THE EYEBOLT IS TO BE DETERMINED FROM DRG: 520324.
10. THE MAXIMUM LINE DEVIATION FOR THIS STRUCTURE IS 80° WITH THE CROSSARM BISECTING THE LINE ANGLE.
11. THE STRUCTURE SHALL BE ERECTED SO THE POLES ARE VERTICAL, AND THE CROSSARM MOUNTED HORIZONTAL.
12. NON TENSION COMPRESSION JOINTS TO BE USED WHEN REQUIRED TO JOIN CONDUCTORS.
13. THE CONDUCTOR TAPPINGS ARE TO BE INSTALLED TO ENSURE A MINIMUM PHASE TO EARTH CLEARANCE OF 700mm IS MAINTAINED.
14. ARRANGEMENT 2 IS TO BE USED WHEN THE MAXIMUM LOAD OF THE EYEBOLTS IN ARRANGEMENT 1 IS EXCEEDED.
15. ONLY THE SINGLE PHASE CONDUCTOR OPTION IS SHOWN ON THIS CONSTRUCTION DRAWING.
16. USE THE OPGW THROUGH TERMINATION ARRANGEMENT WHEN ERECTING AN UNBROKEN OPGW OVERHEAD EARTHWIRE. USE THE OPGW THROUGH SPLICE BOX TERMINATION ARRANGEMENT WHEN BREAKING AN OPGW OVERHEAD EARTHWIRE. USE THE STANDARD EARTHWIRE TERMINATION ARRANGEMENT WHEN ERECTING A NON OPGW OVERHEAD EARTHWIRE.
17. WHEN USING THE OPGW THROUGH SPLICE BOX TERMINATION ARRANGEMENT, REFER TO DRAWING 565743 FOR SPLICE BOX AND COILED CABLE BRACKET MOUNTING DETAILS.
18. POLE STEPS SHOULD ONLY BE INSTALLED ON POLES WHERE ACCESS FOR NORMAL MAINTENANCE VEHICLES CANNOT BE MAINTAINED FOR THE LIFE OF THE POLE. IF POLE STEPS ARE INSTALLED, THEY ARE TO COMPLY WITH THE REQUIREMENTS OF NETWORK STANDARD NS128.
19. REFER TO DESIGNER SAFETY REPORT D20/322584 FOR ATYPICAL HAZARDS ASSOCIATED WITH THIS STANDARD CONSTRUCTION.

| ITEM | DESCRIPTION | DRG. No | ARR-1 QTY | ARR-2 QTY |
|------|--|---------|-----------|-----------|
| 19 | STEP - POLE, SCREW-IN (SEE NOTE 18) | 250144 | A/R | A/R |
| | EARTHWIRE - TERMINATION, OVERHEAD, MOUNTING, ARRANGEMENT -1A (SEE NOTES 15 & 16) | 519450 | | |
| 18 | OPGW - TERMINATION, CONDUCTOR, MOUNTING, ARRANGEMENT -1C (SEE NOTES 15, 16 & 17) | 565747 | 2 | 2 |
| | OPGW - TERMINATION, CONDUCTOR, MOUNTING, ARRANGEMENT -1A (SEE NOTES 15 & 16) | 565747 | | |
| 17 | WASHER - SPRING, M12, GALVANISED | 518082 | 2 | 2 |
| 16 | WASHER - FLAT, M12, GALVANISED | 518081 | 4 | 4 |
| 15 | LUG - EARTHWIRE BONDING, TINNED BRASS (Ø14mm HOLE) | 13978 | 2 | 2 |
| 14 | BOLT & NUT - M12x240mm, HEX, GALVANISED | 515466 | 2 | 2 |
| 13 | JOINT - COMPRESSION, NON TENSION (TO SUIT DUAL CONDUCTOR) (SEE NOTES 12 & 15) | 514053 | 6 | 6 |
| | JOINT - COMPRESSION, NON TENSION (TO SUIT CONDUCTOR) (SEE NOTES 12 & 15) | 514053 | 3 | 3 |
| 12 | INSULATOR - LONGROD, 66kV, DUAL CONDUCTOR, POLYMERIC STRING, ARRANGEMENT -5 (SEE NOTES 3 & 15) | 244700 | | 6 |
| | INSULATOR - LONGROD, 66kV, DUAL CONDUCTOR, POLYMERIC STRING, ARRANGEMENT -2 (SEE NOTES 3 & 15) | 244700 | 6 | |
| | INSULATOR - LONGROD, 66kV, POLYMERIC STRING, ARRANGEMENT -5 (SEE NOTES 3 & 15) | 166231 | | 6 |
| | INSULATOR - LONGROD, 66kV, POLYMERIC STRING, ARRANGEMENT -2 (SEE NOTES 3 & 15) | 166231 | 6 | |
| 11 | WASHER - SPRING, M20, GALVANISED | 518082 | 6 | |
| 10 | WASHER - SQUARE, 75x75x6mm, GALVANISED (Ø22mm HOLE) | 518081 | 12 | 8 |
| 9 | EYEBOLT - M20x350mm, GALVANISED (SEE NOTE 9) | 513653 | 6 | |
| 8 | WASHER - FLAT, M20, GALVANISED | 518081 | 4 | 4 |
| 7 | WASHER - CONICAL, M20, GALVANISED | 518082 | 4 | 4 |
| 6 | WASHER - SQUARE, 50x50x6mm, GALVANISED (Ø22mm HOLE) | 518081 | 8 | |
| 5 | BOLT & NUT - M20, HEX, GALVANISED (LENGTH TO SUIT POLE) | 515466 | 4 | 4 |
| 4 | CROSSARM - 'H' POLE ALTERNATE TERMINATION, 6000x200x100x9mm, RHS, GALVANISED (SEE NOTE 14) | 563058 | | 1 |
| | CROSSARM - 'H' POLE TERMINATION, 6000x200x100x9mm, RHS, GALVANISED (SEE NOTE 14) | 514378 | 1 | |
| 3 | EARTHING - ARRANGEMENT, MULTIPLE TIMBER POLE STRUCTURE | 520225 | 1 | 1 |
| 2 | FOOTING - TIMBER POLE, ARRANGEMENT (SEE NOTE 1) | 508726 | 2 | 2 |
| 1 | POLE - TIMBER (AS REQUIRED) | 513988 | 2 | 2 |

CAD DRAWING
 DO NOT MANUALLY AMEND
 A. H. E. M. E. N. T. S.
 DWN: PATRICIA RIOS
 CHMED: PHIL JONES
 DATE: 09/02/2006
 DRAWING NUMBER
 03
 UPDATED STOCK CODES
 REMOVED DISC INSULATORS
 CHANGED TO POLYMERIC
 LONGRODS. NOTES MODIFIED
 AUTHD BY: STEPHEN CONNOR
 DWN: PATRICIA RIOS
 CHMED: PHILIP JONES
 DATE: 18/08/2020
 AUSGRID BORDER APPLIED.
 SHEET SIZE CHANGED.
 INSULATORS & CROWN
 MATERIAL LIST UPDATED.
 APPD BY: GLENN FORD

DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE. DO NOT SCALE.

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| | INSULATOR - LONGROD, 66kV, DUAL CONDUCTOR, POLYMERIC STRING, ARRANGEMENT -2 (SEE NOTES 3 & 15) | 244700 | 6 | |
| | INSULATOR - LONGROD, 66kV, POLYMERIC STRING, ARRANGEMENT -5 (SEE NOTES 3 & 15) | 166231 | | 6 |
| | INSULATOR - LONGROD, 66kV, POLYMERIC STRING, ARRANGEMENT -2 (SEE NOTES 3 & 15) | 166231 | 6 | |
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| 1 | POLE - TIMBER (AS REQUIRED) | 513988 | 2 | 2 |



| SCALE | 1:20 | STANDARD CONSTRUCTION |
|-----------------|----------------|-------------------------|
| DESIGNED | - | 66kV H POLE TERMINATION |
| DRAWN | PETER SAUNDERS | CONSTRUCTION WITH |
| CHECKED | - | OVERHEAD EARTHWIRE |
| APPROVED | R.BREMMEILL | 5-21E |
| DATE | 05/12/95 | |
| PROJECT NUMBER | STD | |
| PROJTRAK NUMBER | - | |
| SIZE | A1 | DRAWING No 520310 |
| SHEET | 01 | AMD 4 |