

A

B

C

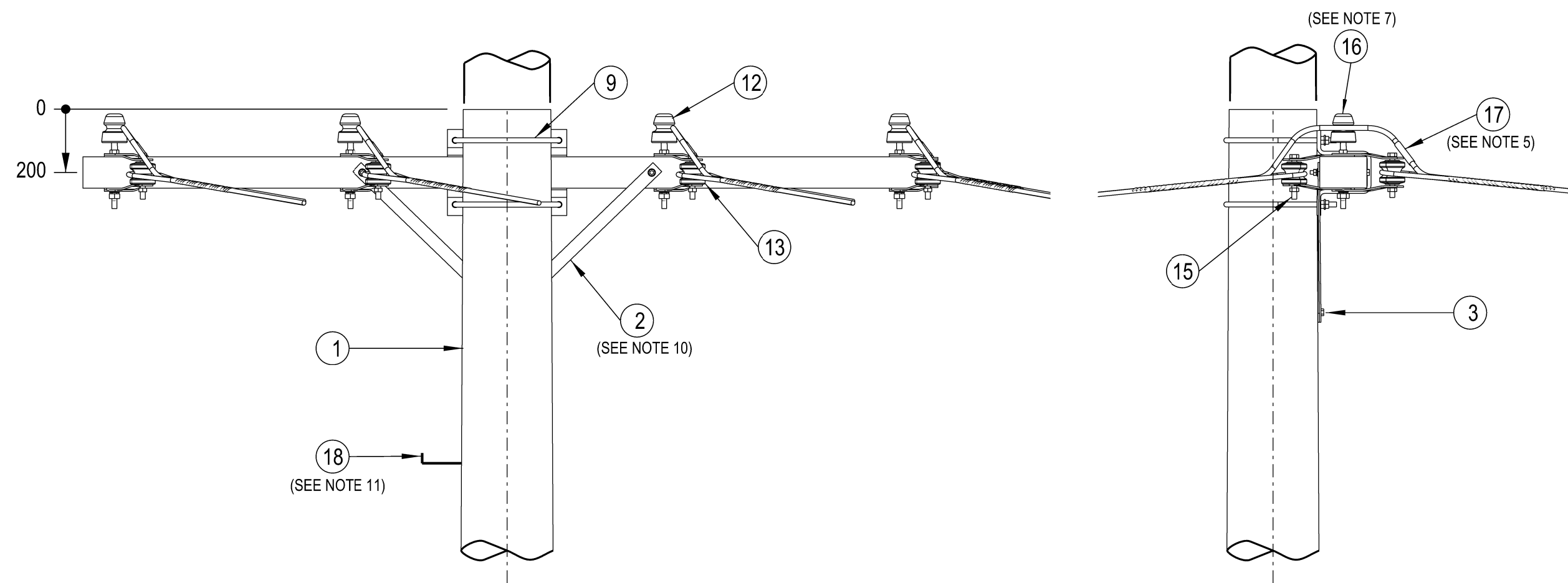
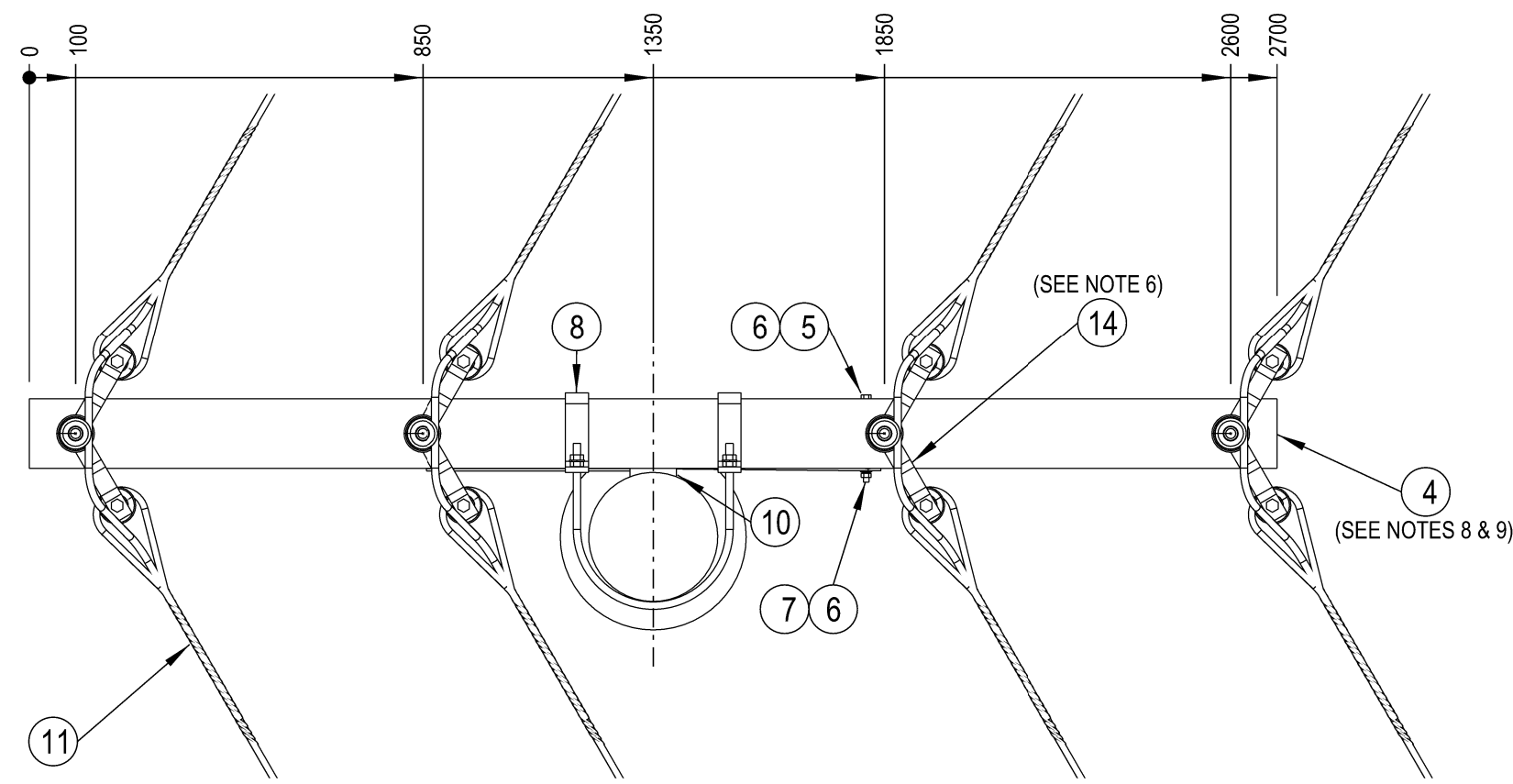
D

E

F

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. CONDUCTOR SIZE.
 - e. CROSSARM SIZE AND BRACE REQUIREMENTS.
 - f. STAY REQUIREMENTS.
 - g. DEVIATION ANGLE.
2. THE MAXIMUM LINE DEVIATION ANGLE TO BE CONSTRUCTED ON THIS ARRANGEMENT IS TO BE DETERMINED BY THE LINE DESIGNER.
3. ALL BOLTS AND INSULATOR PINS PASSING THROUGH TIMBER ARE TO BE COATED WITH GRAPHITE GREASE.
4. POLES SHALL BE DRILLED, SCARFED AND DRESSED ON SITE. DRILLING AND SCARFING TO BE TREATED WITH APPROVED PRESERVATIVES.
5. NON-TENSION COMPRESSION SLEEVES TO BE USED WHEN REQUIRED TO JOIN CONDUCTORS.
6. THE SHACKLE STRAP IS TO BE FORMED TO SUIT THE CROSSARM AND INSULATOR.
7. IF THE CONDUCTOR DEVIATES AT THE INSULATOR, USE THE ANGLE TYPE CONDUCTOR TIE ARRANGEMENT. OTHERWISE, USE THE INTERMEDIATE TYPE CONDUCTOR TIE ARRANGEMENT AS SHOWN ON DRG: 514044.
8. A 2700mm CROSSARM IS TO BE USED AS THE DEFAULT CROSSARM. FOR NARROW FEEDER ALIGNMENTS, A 2100mm OR 2400mm CROSSARM MAY BE CONSIDERED TO OVERCOME DESIGN AND SITE CONSTRAINTS.
9. ONLY THE 2700mm CROSSARM OPTION IS SHOWN ON THIS CONSTRUCTION DRAWING. REFER TO DRGS: 514374 & 15233 FOR DRILLING PATTERN OF ALTERNATE CROSSARMS.
10. THE 690mm CROSSARM BRACES ARE TO BE USED ON A 2100mm AND 2700mm CROSSARM. THE 490mm CROSSARM BRACES ARE TO BE USED ON A 2400mm CROSSARM.
11. POLE STEPS ARE TO BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF NS128.
12. REFER TO DESIGNER SAFETY REPORT D221200934 FOR ATYPICAL HAZARDS ASSOCIATED WITH THIS STANDARD CONSTRUCTION.



| 18 | STEP - POLE, SCREW-IN (SEE NOTE 11) | 250144 | 185198 | A/R |
|------|---|---------|------------|-----|
| 17 | JOINT - NON TENSION, COMPRESSION (TO SUIT CONDUCTOR) (SEE NOTE 5) | 514053 | | 4 |
| 16 | TIE - CONDUCTOR, LOW VOLTAGE, SUPPORT ARRANGEMENT (SEE NOTE 7) | 514044 | | 5m |
| 15 | BOLT & NUT - M16x130mm, HEX., GALVANISED | 515466 | 46979 | 8 |
| 14 | BRACKET - MOUNTING, SHACKLE, LV FLAT, GALVANISED (SEE NOTE 6) | 514379 | H17762 | 16 |
| 13 | INSULATOR - SHACKLE, REEL, TYPE SH.LV2 | 514407 | 75812 | 8 |
| 12 | INSULATOR - LV, (LPLV PATTERN 'B') & PIN ARRANGEMENT | 513995 | | 4 |
| 11 | DEADEND - PREFORMED, HELICAL (TO SUIT CONDUCTOR) | 514098 | | 8 |
| 10 | BLOCK - GAIN, ALUMINIUM, 100mm | | 146274 | 1 |
| 9 | BOLT - 'U' TYPE, 16mm, GALVANISED (TO SUIT POLE) | 514409 | | 2 |
| 8 | BRACKET - CROSSARM, CLAMP | 514386 | H66621 | 2 |
| 7 | WASHER - CONICAL, M12, GALVANISED | 518082 | H39639 | 2 |
| 6 | WASHER - FLAT, M12, GALVANISED | 518081 | 177982 | 4 |
| 5 | BOLT & NUT - M12x150mm, HEX., GALVANISED (USE WITH 2400mm CROSSARM) | 515466 | 46847 | 2 |
| | BOLT & NUT - M12x180mm, HEX., GALVANISED (USE WITH 2100mm & 2700mm CROSSARMS) | 515466 | 46888 | |
| 4 | CROSSARM - 2400x125x100mm, TYPE LT3, HARDWOOD (SEE NOTES 8 & 9) | 15233 | 71746 | 1 |
| | CROSSARM - 2100x150x100mm, TYPE I, HARDWOOD, (SEE NOTES 8 & 9) | 514374 | H23745 | |
| | CROSSARM - 2700x150x100mm, TYPE C, HARDWOOD (SEE NOTES 8 & 9) | 514375 | H23761 | |
| 3 | SCREW - COACH, M12 x 100mm, GALVANISED | | H40484 | 1 |
| 2 | BRACE - CROSSARM, FLAT, TYPE L, 490mm, GALVANISED (SEE NOTE 10) | 46 | 76745 | 2 |
| | BRACE - CROSSARM, FLAT, 690mm, GALVANISED (SEE NOTE 10) | 514385 | H17738 | |
| 1 | POLE - TIMBER (AS REQUIRED) | 513988 | | 1 |
| ITEM | DESCRIPTION | DRG. No | STOCK CODE | QTY |

ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE. DO NOT SCALE.

| | | | | | | | | | | |
|--|--------------------|------------------|------------------|---|----------------------|--------------|----------------|------------------|--------------------------------|-------------------|
| CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS | DWN: PATRICIA RIOS | CHKD: PHIL JONES | DATE: 12/07/2007 | MATERIAL LIST & NOTES AMENDED. DIMENSIONS ADDED. | APP'D by: GLENN FORD | DWN: P. RIOS | CHKD: P. JONES | DATE: 22/06/2022 | MATERIAL LIST & NOTES AMENDED. | APP'D by: G. FORD |
| 5 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

| ASSOCIATED DRAWINGS | |
|---|--------|
| LV CONDUCTOR TIE & SUPPORT ARRANGEMENTS | 514044 |
| WOODEN CROSSARMS FOR 415V OVERHEAD MAINS | 15233 |
| WOODEN CROSSARMS FOR LV, 11kV & 33kV CONSTRUCTION DETAILS | 514374 |

NETWORK STANDARD

145 NEWCASTLE RD WALLSEND, NSW 2287

| | |
|-----------------|----------------|
| SCALE | 1:15 |
| DESIGNED | - |
| DRAWN | PETER SAUNDERS |
| CHECKED | - |
| APPROVED | R. BREMMELL |
| DATE | 15/03/1996 |
| PROJECT NUMBER | STD |
| PROJTRAK NUMBER | - |

| | | | | | |
|--|--|------|------------|-------|-----|
| LV RAILWAY TERMINATION CONSTRUCTION 1-15 | | SIZE | DRAWING No | SHEET | AMD |
| | | A2 | 513945 | 1 | 6 |