



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. POLE STEPS ARE TO BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF NS126.
4. IN AREAS WHERE THE 11kV NETWORK CANNOT BE WORKED ON USING LIVE LINE TECHNIQUES, UNDERBUILT CIRCUITS SHALL BE INSTALLED WITH A MINIMUM CLEARANCE OF 1200mm. IN AREAS WHERE THE 11kV NETWORK CAN BE WORKED ON USING LIVE LINE TECHNIQUES, UNDERBUILT CIRCUITS SHALL BE INSTALLED WITH A MINIMUM CLEARANCE OF 2500mm.
5. THE LOAD AND DEVIATION ALLOWABLE ON THE EYEBOLT IS TO BE DETERMINED FROM DRG : 520324.
6. POLES SHALL BE DRILLED, SCARFED AND DRESSED ON SITE. DRILLING AND SCARFING TO BE TREATED WITH APPROVED PRESERVATIVES.
7. EYEBOLTS ARE TO BE INSTALLED IN THE DIRECTION OF THE OVERHEAD CONDUCTORS.
8. ALL BOLTS PASSING THROUGH TIMBER ARE TO BE COATED WITH GRAPHITE GREASE.
9. LINE POST INSULATORS ARE TO BE FITTED WHERE LINE DEVIATION IS LESS THAN 90°.
10. TO MAINTAIN THE INTEGRITY OF A COVERED SYSTEM , IT IS ESSENTIAL THAT ALL STRIPPED AND PUNCTURED INSULATION IS CONTAINED WITHIN THE APPROPRIATE INSULATING COVER.
11. CCT CONDUCTOR INSULATION SHALL ONLY BE REMOVED BY THE USE OF AN APPROVED CCT CONDUCTOR STRIPPING TOOL.
12. SURGE ARRESTERS ARE TO BE INSTALLED ON AN OVERHEAD CCT CONDUCTOR SYSTEM IN ACCORDANCE WITH THE REQUIREMENTS OF NS126. IF A SURGE ARRESTER IS TO BE INSTALLED ON THIS CONSTRUCTION, IT IS TO BE INSTALLED AS PER THE RELEVANT ARRANGEMENT SPECIFIED ON DRG : 177151.

| | | | | |
|----|---|--------|-----------------|-----|
| 17 | STEP - POLE, SCREW-IN (SEE NOTE 3) | 250144 | 185198 | A/R |
| 16 | COVER - PARALLEL GROOVE CLAMP | | 144576 | 3 |
| 15 | CLAMP - PARALLEL GROOVE | | 144568 | 3 |
| 14 | WIRE - TIE, PREFORMED, INSULATED, FOR CCT180 | | 176312 | 3 |
| | WIRE - TIE, PREFORMED, INSULATED, FOR CCT120 | | 144600 | |
| | WIRE - TIE, PREFORMED, INSULATED, FOR CCT80 | | 144618 | |
| 13 | INSULATOR - PIN POST, SHORT STUD | | 144584 | 3 |
| 12 | BRACKET - INSULATOR, GALVANISED | | 144626 | 3 |
| 11 | SCREW - COACH, M16x130mm, GALVANISED | | 50401 | 3 |
| 10 | BOLT & NUT - M20, HEX., GALVANISED (LENGTH TO SUIT POLE) | 515466 | | 3 |
| 9 | COVER - STRAIN CLAMP | | 144543 | 6 |
| 8 | CLAMP - CONDUCTOR STRAIN, FOR CCT180 | | 176313 | 6 |
| | CLAMP - CONDUCTOR STRAIN, FOR CCT120 | | 144527 | |
| | CLAMP - CONDUCTOR STRAIN, FOR CCT80 | | 144535 | |
| 7 | INSULATOR - STRAIN ROD | | 144550 | 6 |
| 6 | LINK - SAG, 70kN (PLP PART No. CTSLEW-070-1) | | DIRECT PURCHASE | 6 |
| 5 | WASHER - FLAT, M20, GALVANISED | 518081 | 177986 | 9 |
| 4 | WASHER - CONICAL, M20, GALVANISED | 518082 | H39655 | 9 |
| 3 | WASHER - SQUARE, 75x75x6mm, GALVANISED (Ø22mm HOLE) | 518081 | H39231 | 15 |
| 2 | EYEBOLT - M20, GALVANISED (LENGTH TO SUIT POLE) (SEE NOTES 5 & 7) | 513653 | | 6 |
| 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
A M E N D M E N T S

DWN: PATRICIA RIOS
CHKD: PHILLIP JONES
DATE: 11/10/2019
M20 FLAT WASHER ADDED.
NOTES & MATERIAL LIST
AMENDED.

APP'D by: GLENN FORD

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NETWORK STANDARD

145 NEWCASTLE RD WALLSEND,
NSW 2287

| | | | | | |
|-----------------|----------------|---|------------|-------|-----|
| SCALE | 1:20 | STANDARD CONSTRUCTION 11kV VERTICAL TERMINATION CONSTRUCTION 2-140 CCT | | | |
| DESIGNED | BRUCE CLEMENTS | | | | |
| DRAWN | PATRICIA RIOS | | | | |
| CHECKED | BRUCE CLEMENTS | | | | |
| APPROVED | G SKINNER | | | | |
| DATE | 01/08/03 | | | | |
| PROJECT NUMBER | NET STD | SIZE | DRAWING No | SHEET | AMD |
| PROJTRAK NUMBER | | A3 | 163265 | 01 | 3 |