


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. STAY REQUIREMENTS.
 - f. DEVIATION ANGLE.
- 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 NS128.
- 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 BOLT AND EYENUT ASSEMBLY IS TO BE DETERMINED FROM DRG: 520331.
- 6. POLES SHALL BE DRILLED, SCARFED AND DRESSED ON SITE. DRILLING AND SCARFING TO BE TREATED WITH APPROVED PRESERVATIVES.
- 7. ALL BOLTS PASSING THROUGH TIMBER ARE TO BE COATED WITH GRAPHITE GREASE.
- 8. TO MAINTAIN THE INTEGRITY OF A COVERED SYSTEM, IT IS ESSENTIAL THAT ALL STRIPPED AND PUNCTURED INSULATION IS CONTAINED WITHIN THE APPROPRIATE INSULATING COVER.
- 9. CCT CONDUCTOR INSULATION SHALL ONLY BE REMOVED BY THE USE OF AN APPROVED CCT CONDUCTOR STRIPPING TOOL.
- 10. ARRANGEMENT 1 OF THIS STRUCTURE IS DESIGNED FOR USE WHERE THE LINE DEVIATION ANGLE IS LESS THAN 10°. ARRANGEMENT 2 OF THIS STRUCTURE IS DESIGNED FOR USE WHERE THE LINE DEVIATION ANGLE IS BETWEEN 10° AND 30°.
- 11. 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.
- 12. REFER TO DESIGNER SAFETY REPORT D25/135223 FOR ATYPICAL HAZARDS ASSOCIATED WITH THIS STANDARD CONSTRUCTION.

18	STEP - POLE, SCREW-IN (SEE NOTE 3)	250144	185198	A/R
17	COVER - PARALLEL, GROOVE CLAMP		144576	3
16	CLAMP - PARALLEL GROOVE, 2-BOLT		62414	3
15	COVER - STRAIN CLAMP		144543	3
14	CLAMP - CONDUCTOR STRAIN, FOR CCT180		176313	3
	CLAMP - CONDUCTOR STRAIN, FOR CCT120		144527	
	CLAMP - CONDUCTOR STRAIN, FOR CCT80		144535	
13	INSULATOR - STRAIN ROD		144550	3
12	LINK - SAG, 70kN (PLP PART No. CTSLEW-070-1)		PURCHASE	3
11	NUT - M20, HEX, GALVANISED	515466	175361	3
10	EYENUT - M20, GALVANISED (SEE NOTE 5)	513951	H38853	3
9	WIRE - TIE, PREFORMED, INSULATED, CCT180		176312	3
	WIRE - TIE, PREFORMED, INSULATED, CCT120		144600	
	WIRE - TIE, PREFORMED, INSULATED, CCT80		144618	
8	INSULATOR - PIN POST, SHORT STUD		144584	3
7	BRACKET - INSULATOR, GALVANISED (FOR ARR-2) (SEE NOTE 10)		144634	3
	BRACKET - INSULATOR, GALVANISED (FOR ARR-1) (SEE NOTE 10)		144626	
6	SCREW - COACH, M16x130mm, GALVANISED		50401	3
5	WASHER - FLAT, M20, GALVANISED	518081	177986	3
4	WASHER - CONICAL, M20, GALVANISED	518082	H39655	3
3	WASHER - SQUARE, 75x75x6mm, GALVANISED (Ø22mm HOLE)	518081	H39231	3
2	BOLT & NUT - M20, HEX, GALVANISED (LENGTH TO SUIT POLE)	515466		3
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 APP'D: GLENN FORD		DATE: 16/12/2019 PIN POST INSULATORS UPDATED.		DWN: P.R. CHKD: P.J. APP'D: G.F.		DATE: 15/05/2025 NOTES & MATERIAL LIST AMENDED.		42 HONEYSUCKLE DRIVE, NEWCASTLE WEST NSW 2300		<div>NETWORK STANDARD</div>		SCALE 1:20		STANDARD CONSTRUCTION 11kV VERTICAL PIN POST WITH TEE OFF CONSTRUCTION 2-242 CCT			
3										4		DESIGNED PHILLIP JONES							
												DRAWN PATRICIA RIOS							
												CHECKED PHILLIP JONES							
												APPROVED STEPHEN CONNOR							
												DATE 05/12/2006							
PROJECT NUMBER		STD																	
TRIM REF NUMBER		-		SIZE A3		DRAWING No 175876		SHEET 1		REV 4									