



- NOTES :**
- THE FOLLOWING INFORMATION IS OBTAINED FROM PROJECT DESIGN DRAWINGS :
 - POLE LENGTH AND STRENGTH.
 - SPECIAL FOUNDATION REQUIREMENTS.
 - POLE EMBEDMENT DEPTH.
 - PHASE CONDUCTOR SIZE.
 - STAY REQUIREMENTS.
 - DEVIATION ANGLE.
 - ASSESSED EARTHING REQUIREMENTS.
 - THE MAXIMUM LINE DEVIATION ANGLE TO BE CONSTRUCTED ON THIS ARRANGEMENT IS TO BE DETERMINED BY THE LINE DESIGNER.
 - POLE STEPS ARE TO BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF NS126.
 - 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.
 - POLES SHALL BE DRILLED, SCARFED AND DRESSED ON SITE. DRILLING AND SCARFING TO BE TREATED WITH APPROVED PRESERVATIVES.
 - ALL BOLTS PASSING THROUGH TIMBER ARE TO BE COATED WITH GRAPHITE GREASE.
 - TO MAINTAIN THE INTEGRITY OF A COVERED SYSTEM , IT IS ESSENTIAL THAT ALL STRIPPED AND PUNCTURED INSULATION IS CONTAINED WITHIN THE APPROPRIATE INSULATING COVER.
 - CCT CONDUCTOR INSULATION SHALL ONLY BE REMOVED BY THE USE OF AN APPROVED CCT CONDUCTOR STRIPPING TOOL.
 - 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°.
 - 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	STEP - POLE, SCREW-IN (SEE NOTE 3)	250144	185198	A/R
11	COVER - PARALLEL GROOVE CLAMP		144576	6
10	CLAMP - PARALLEL GROOVE		144568	6
9	WIRE - TIE, PREFORMED, INSULATED, FOR CCT180		176312	6
	WIRE - TIE, PREFORMED, INSULATED, FOR CCT120		144600	
	WIRE - TIE, PREFORMED, INSULATED, FOR CCT80		144618	
8	INSULATOR - PIN POST, SHORT STUD		144584	6
7	BRACKET - INSULATOR, GALVANISED (FOR ARR -2) (SEE NOTE 9)		144634	6
	BRACKET - INSULATOR, GALVANISED (FOR ARR -1) (SEE NOTE 9)		144626	
6	SCREW - COACH, M16x130mm, GALVANISED		50401	6
5	WASHER - FLAT, M20, GALVANISED	518081	177986	6
4	WASHER - CONICAL, M20, GALVANISED	518082	H39655	6
3	WASHER - SQUARE, 75x75x6mm, GALVANISED (Ø22mm HOLE)	518081	H39231	6
2	BOLT & NUT - M20, HEX., GALVANISED (LENGTH TO SUIT POLE)	515466		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: P.R. CHKD: P.J. APPD: G.F.	DATE: 21/05/2024
	PIN POST INSULATORS
	UPDATED.
	3
	1

NETWORK STANDARD

145 NEWCASTLE RD WALLSEND,
NSW 2287

SCALE	1:20	STANDARD CONSTRUCTION 11kV VERTICAL PIN POST 4 WAY CROSSOVER CONSTRUCTION 2-243 CCT			
DESIGNED	PHIL JONES				
DRAWN	PATRICIA RIOS				
CHECKED	PHIL JONES				
APPROVED	STEPHEN CONNOR				
DATE	05/12/06				
PROJECT NUMBER	STD				
PROJTRAK NUMBER	-	SIZE	DRAWING No	SHEET	AMD
		A3	175877	01	3