



**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. POLES SHALL BE DRILLED, SCARFED AND DRESSED ON SITE. DRILLING AND SCARFING TO BE TREATED WITH APPROVED PRESERVATIVES.
6. ALL BOLTS PASSING THROUGH TIMBER ARE TO BE COATED WITH GRAPHITE GREASE.
7. TO MAINTAIN THE INTEGRITY OF A COVERED SYSTEM , IT IS ESSENTIAL THAT ALL STRIPPED AND PUNCTURED INSULATION IS CONTAINED WITHIN THE APPROPRIATE INSULATING COVER.
8. 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°.
9. 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.

ITEM	DESCRIPTION	DRG No	STOCK CODE	QTY
10	STEP - POLE, SCREW-IN (SEE NOTE 3)	250144	185198	A/R
9	WIRE - TIE, PREFORMED, INSULATED, FOR CCT180		176312	3
	WIRE - TIE, PREFORMED, INSULATED, FOR CCT120		144600	
	WIRE - TIE, PREFORMED, INSULATED, FOR CCT80		144618	
8	INSULATOR - PIN POST, SHORT STUD		144584	3
7	BRACKET - INSULATOR, GALVANISED (FOR ARR-2) (SEE NOTE 8)		144634	3
	BRACKET - INSULATOR, GALVANISED (FOR ARR-1) (SEE NOTE 8)		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

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: PHIL JONES DATE: 04/09/2007 NOTE 4 AMENDED. APP'D by: STEPHEN CONNOR DWN: PATRICIA RIOS CHKD: PHILLIP JONES DATE: 16/12/2019 M20 WASHER ADDED. NOTES & MATERIAL LIST AMENDED. APP'D by: GLENN FORD	3
	4
	1
	2

NETWORK STANDARD  
**Ausgrid**  
 145 NEWCASTLE RD WALLSEND,  
 NSW 2287

SCALE	1:20	STANDARD CONSTRUCTION			
DESIGNED	BRUCE CLEMENTS	11kV VERTICAL DELTA PIN POST			
DRAWN	PATRICIA RIOS	CONSTRUCTION			
CHECKED	PHILLIP JONES	2-200 CCT			
APPROVED	G SKINNER				
DATE	06/08/03				
PROJECT NUMBER	NET STD				
PROJTRAK NUMBER		SIZE	DRAWING No	SHEET	AMD
		A3	163146	01	4