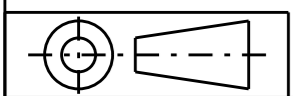


- NOTE :**
- THE FOLLOWING INFORMATION IS OBTAINED FROM THE PROJECT DESIGN DRAWINGS :
 - POLE LENGTH AND STRENGTH.
 - SPECIAL FOUNDATION REQUIREMENTS.
 - POLE EMBEDMENT DEPTH.
 - PHASE CONDUCTOR SIZE.
 - STAY REQUIREMENTS.
 - DEVIATION ANGLE.
 - ASSESSED EARTHING REQUIREMENTS.
 - REQUIREMENTS FOR CROSSARM SUPPORT STRAP.
 - THE MAXIMUM LINE DEVIATION ANGLE TO BE CONSTRUCTED ON THIS ARRANGEMENT IS TO BE DETERMINED BY THE LINE DESIGNER.
 - LONGROD INSULATORS TO BE USED UNDER NORMAL CONDITIONS.
 - STAYS TO BE INSTALLED SO THAT THE STAY WIRE CLEARANCE FROM THE PHASE CONDUCTORS COMPLIES WITH THE STATUTORY REQUIREMENTS.
 - ALL BOLTS AND EYEBOLTS PASSING THROUGH TIMBER ARE TO BE COATED WITH GRAPHITE GREASE.
 - POLES SHALL BE DRILLED, SCARFED AND DRESSED ON SITE. DRILLING AND SCARFING TO BE TREATED WITH APPROVED PRESERVATIVES.
 - THE LOAD AND DEVIATION ALLOWABLE ON THE EYEBOLT IS TO BE DETERMINED FROM DRG: 520324.
 - THE MAXIMUM LINE DEVIATION FOR THIS STRUCTURE IS 80° WITH THE CROSSARM BISECTING THE LINE ANGLE.
 - THE CENTRE PHASE EYEBOLTS ARE TO BE INSTALLED IN THE DIRECTION OF THE OVERHEAD CONDUCTORS.
 - BONDING OF THE CENTRE PHASE EYEBOLTS AND HORIZONTAL LINE POST INSULATOR IS TO BE DONE WITH ONE CONTINUOUS LENGTH OF CONDUCTOR AND A SINGLE CONNECTION TO THE POLE.
 - THE LINE IS SINGLE CIRCUIT OR STATUTORY CLEARANCES CAN BE MAINTAINED UNDER ALL OPERATING CONDITIONS.
 - MINIMUM PHASE TO EARTH CLEARANCES OF 700mm CAN BE MAINTAINED.
 - WHEN THE CONDITIONS IN (a) AND (b) ARE NOT MET, 'TIE TOP' POST INSULATORS ARE TO BE INSTALLED ON THE CROSSARM TO SUPPORT THE TAPPING CONDUCTORS.
 - NON TENSION COMPRESSION JOINTS TO BE USED WHEN REQUIRED TO JOIN CONDUCTORS.
 - ONLY THE SINGLE PHASE CONDUCTOR OPTION IS SHOWN ON THIS CONSTRUCTION DRAWING.
 - POLE STEPS SHOULD ONLY BE INSTALLED ON POLES WHERE ACCESS FOR NORMAL MAINTENANCE VEHICLES CANNOT BE MAINTAINED FOR THE LIFE OF THE POLE. IF POLE STEPS ARE INSTALLED, THEY ARE TO COMPLY WITH THE REQUIREMENTS OF NETWORK STANDARD NS128.
 - REFER TO DESIGNER SAFETY REPORT D20/323833 FOR ATYPICAL HAZARDS ASSOCIATED WITH THIS STANDARD CONSTRUCTION.

ITEM	DESCRIPTION	DRG. No	QTY
16	STEP - POLE, SCREW-IN (SEE NOTE 14)	250144	A/R
15	JOINT - COMPRESSION, NON TENSION (TO SUIT DUAL CONDUCTOR) (SEE NOTES 12 & 13)	514053	6
	JOINT - COMPRESSION, NON TENSION (TO SUIT CONDUCTOR) (SEE NOTES 12 & 13)	514053	3
14	EYEBOLT - POLE MOUNTING & BONDING, ARRANGEMENT -3 (SEE NOTES 7, 9 & 10)	514146	1
	INSULATOR - HORIZONTAL LINE POST, 66kV, DUAL CONDUCTOR, MOUNTING & BONDING, ARRANGEMENT -1 (SEE NOTES 10 & 13)	244699	1
13	INSULATOR - HORIZONTAL LINE POST, 66kV, MOUNTING & BONDING, ARRANGEMENT -1 (SEE NOTES 10 & 13)	514161	1
	INSULATOR - POST, CROSSARM MOUNTING, ARRANGEMENT (SEE NOTE 11)	514165	2
11	INSULATOR - LONGROD, 66kV, DUAL CONDUCTOR, POLYMERIC STRING, ARRANGEMENT -2 (SEE NOTES 3 & 13)	244700	6
	INSULATOR - LONGROD, 66kV, POLYMERIC STRING, ARRANGEMENT -2 (SEE NOTES 3 & 13)	166231	6
10	WASHER - FLAT, M20, GALVANISED	518081	4
9	WASHER - SPRING, M20, GALVANISED	518082	4
8	WASHER - LIP, M24, GALVANISED	518081	4
7	WASHER - SQUARE, 75x75x6mm, GALVANISED (Ø22mm HOLE)	518081	4
6	EYEBOLT - M20x350mm, GALVANISED (SEE NOTE 7)	513653	4
5	STRAP - CROSSARM SUPPORT, INSTALLATION, ARRANGEMENT -1 (SEE NOTE 1)	520269	1
4	BRACE - CROSSARM, ANGLE, 740mm, TYPE H, GALVANISED (REPLACES 690mm BRACE S/C: H17738)	46	2
3	CROSSARM - MOUNTING ARRANGEMENT -1 (USE 300x200x100x5mm RHS)	514176	1
2	FOOTING - TIMBER POLE, ARRANGEMENT (SEE NOTE 1)	508726	1
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 30-5-91 POST INS CROSSARM MOUNT ARR. REPLACES ITEM 19, 20, P.S. 5-2-92 ANGLE OF LINE DEVIATION CHART ADDED. ADJUSTMENT OF MATERIAL LIST ITEMS. ITEM 5 ADDED. P.S. DWN: P.S. CHKD: DATE: 22-3-95 ITEM 4 ADDED AS REPLACEMENT. ITEM 5 ADDED. AS REQUIRED. MATERIAL LIST NUMERICAL LISTING CHANGED. AUTH'D BY: P. SUMNER DWN: PATRICIA RIOS CHKD: PHILLIP JONES DATE: 19/08/2020 DRAWING NUMBER UPDATED. STOCK CODES REMOVED. DISCS CHANGED TO LONGRODS. INSULATORS UPDATED. NOTES & MATERIAL LIST AMENDED. APP'D BY: GLENN FORD	20mm EYEBOLT LOADING & DEVIATION GRAPH	520324
	ASSOCIATED DRAWINGS	

NETWORK STANDARD Ausgrid 145 NEWCASTLE RD WALLSEND, NSW 2287	SCALE	1:25	STANDARD CONSTRUCTION 66kV DELTA TERMINATION CONSTRUCTION 5-148	
	DESIGNED	-		
	DRAWN	PETER SAUNDERS		
	CHECKED	P.A.S		
	APPROVED	I.NICHOLS		
DATE	19/03/93	PROJECT NUMBER	STD	
PROJTRAK NUMBER	-	SIZE	A2	
DRAWING No		514164	SHEET	01
			AMD	5