



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. VARIATIONS TO STANDADRD CROSSARM REQUIREMENTS.
 - f. STAY REQUIREMENTS.
 - g. DEVIATION ANGLE.
2. WHEN DESIGNING UNDERBUILT CIRCUITS ON A 33kV STRUCTURE, THE POSSIBLE USE OF LIVE LINE WORKING PROCEDURES MUST BE CONSIDERED WHEN NOMINATING THE CIRCUIT SEPARATION TO ALLOW A MINIMUM CLEARANCE OF 2500mm IF REQUIRED.
3. THE LOAD AND DEVIATION ALLOWABLE ON THE EYEBOLT IS TO BE DETERMINED FROM DRG: 520324.
4. LONGROD INSULATORS TO BE USED UNDER NORMAL CONDITIONS.
5. POLES SHALL BE DRILLED, SCARFED AND DRESSED ON SITE. DRILLING AND SCARFING TO BE TREATED WITH APPROVED PRESERVATIVES.
6. ALL BOLTS AND EYEBOLTS PASSING THROUGH TIMBER ARE TO BE COATED WITH GRAPHITE GREASE.
7. ONLY THE 3000mm STEEL CROSSARM OPTION IS SHOWN ON THIS CONSTRUCTION DRAWING. REFER TO DRG: 237491 FOR DRILLING PATTERN OF ALTERNATE CROSSARM.
8. ONLY THE SINGLE PHASE CONDUCTOR OPTION IS SHOWN ON THIS CONSTRUCTION DRAWING.
9. 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.
10. REFER TO DESIGNER SAFETY REPORT D22/283114 FOR ATYPICAL HAZARDS ASSOCIATED WITH THIS STANDARD CONSTRUCTION.

ITEM	DESCRIPTION	DRG. No	QTY
12	STEP - POLE, SCREW-IN (SEE NOTE 9)	250144	A/R
11	INSULATOR - LONGROD, 33kV, DUAL CONDUCTOR, POLYMERIC STRING, ARRANGEMENT -2 (SEE NOTES 4 & 8)	250120	3
	INSULATOR - LONGROD, 33kV, POLYMERIC STRING, ARRANGEMENT -2 (SEE NOTES 4 & 8)	158754	
10	WASHER - SQUARE, 75x75x6mm, GALVANISED (Ø22mm HOLE)	518081	4
9	EYEBOLT - M20, GALVANISED (LENGTH TO SUIT POLE) (SEE NOTE 3)	513653	1
8	WASHER - FLAT, M20, GALVANISED	518081	1
7	WASHER - CONICAL, M20, GALVANISED	518082	1
6	WASHER - SPRING, M20, GALVANISED	518082	2
5	WASHER - SQUARE, 75x75x6mm, GALVANISED (Ø22mm HOLE) (USE WITH COMPOSITE CROSSARM)	518081	2
	WASHER - LIP, M24, GALVANISED (USE WITH STEEL CROSSARM)	518081	
4	EYEBOLT - M20x200mm, GALVANISED (SEE NOTE 3)	513653	2
3	CROSSARM - MOUNTING ARRANGEMENT -1 (GALVANISED STEEL OR COMPOSITE FIBRE CROSSARM) (SEE NOTE 7)	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
DWN: P.R.
CHKD: P.J.
APP'D: G.F.
DATE: 08/11/2022
MULTIPLE CROSSARM
OPTION & FOUNDATION
DETAILS ADDED. NOTES
& MATERIAL LIST AMENDED.
DUAL CONDUCTOR OPTION
ADDED.

NETWORK STANDARD
Ausgrid
145 NEWCASTLE RD WALLSEND,
NSW 2287

SCALE	1:25	STANDARD CONSTRUCTION 33kV DELTA TERMINATION CONSTRUCTION 4-25			
DESIGNED	-				
DRAWN	PETER SAUNDERS				
CHECKED	P.A.S				
APPROVED	R.BREMMELL				
DATE	12/04/1996				
PROJECT NUMBER	STD	SIZE	DRAWING No	SHEET	AMD
PROJTRAK NUMBER	-	A3	513933	1	7