



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 STANDARD CROSSARM REQUIREMENTS.
 - f. STAY REQUIREMENTS.
 - g. DEVIATION ANGLE.
2. THE MAXIMUM LINE DEVIATION ANGLE TO BE CONSTRUCTED ON THIS ARRANGEMENT IS TO BE DETERMINED BY THE LINE DESIGNER.
3. ALL BOLTS AND INSULATOR PINS PASSING THROUGH TIMBER ARE TO BE COATED WITH GRAPHITE GREASE.
4. POLES SHALL BE DRILLED, SCARFED AND DRESSED ON SITE. DRILLING AND SCARFING TO BE TREATED WITH APPROVED PRESERVATIVES.
5. IF THE CONDUCTOR DEVIATES AT THE INSULATOR, USE THE ANGLE TYPE CONDUCTOR TIE ARRANGEMENT, OTHERWISE USE THE INTERMEDIATE TYPE CONDUCTOR TIE ARRANGEMENT AS SHOWN ON DRG: 514038.
6. USE THE 33/920 AERODYNAMIC PIN INSULATOR ARRANGEMENT WHERE THE CONSTRUCTION IS LOCATED WITHIN 1km OF THE COAST OR IN A VERY HIGH POLLUTION AREA.
7. 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.
8. 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.
9. REFER TO DESIGNER SAFETY REPORT D20/535944 FOR ATYPICAL HAZARDS ASSOCIATED WITH THIS STANDARD CONSTRUCTION.

16	STEP - POLE, SCREW-IN (SEE NOTE 8)	250144	A/R
15	TIE - CONDUCTOR, HIGH VOLTAGE, SUPPORT ARRANGEMENT (SEE NOTE 5)	514038	4m
14	INSULATOR - 33kV, AERODYNAMIC, (33/920) AND PIN ARRANGEMENT (SEE NOTE 6)	514006	3
	INSULATOR - 33kV, AERODYNAMIC, (33/710) AND PIN ARRANGEMENT (SEE NOTE 6)	513998	
13	BLOCK - GAIN, ALUMINIUM, 100mm (S/C: 146274)		1
12	WASHER - FLAT, M20, GALVANISED	518081	1
11	WASHER - CONICAL, M20, GALVANISED	518082	1
10	WASHER - SQUARE, 75x75x6mm, GALVANISED (Ø22mm HOLE)	518081	2
9	BOLT & NUT - M20, HEX., GALVANISED (LENGTH TO SUIT POLE)	515466	1
8	WASHER - CONICAL, M12, GALVANISED	518082	1
7	WASHER - FLAT, M12, GALVANISED	518081	2
6	BOLT & NUT - M12x130mm, HEX., GALVANISED	515466	1
5	CROSSARM - 2700x100x100mm, TYPE T, HARDWOOD	514375	1
4	SCREW - COACH, M12 x 100mm, GALVANISED (S/C: H40484)		1
3	BRACE - CROSSARM, ANGLE, 1524x50x50x6mm, GALVANISED	514382	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: PATRICIA RIOS	CHKD: PHILLIP JONES	DATE: 14/01/2021	NOTES & MATERIAL LIST AMENDED. FOUNDATION SHOWN.	APP'D by: GLENN FORD	DWN: P.R.	CHKD: P.J.	APP'D: G.F.	DATE: 03/11/2022	BRACE STRAP POSITION CORRECTED. NOTES & MATERIAL LIST AMENDED.
	1	2	3	4	5	6	7	8	9	10

NETWORK STANDARD

145 NEWCASTLE RD WALLSEND, NSW 2287

SCALE	1:25	STANDARD CONSTRUCTION			
DESIGNED	PHIL JONES	33kV 3/4 OFFSET ARM			
DRAWN	PATRICIA RIOS	CONSTRUCTION			
CHECKED	PHILLIP JONES	4-4			
APPROVED	GLENN FORD				
DATE	09/04/09				
PROJECT NUMBER	STD				
PROJTRAK NUMBER	-	SIZE	DRAWING No	SHEET	AMD
		A3	204109	1	2