

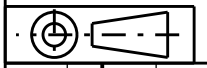
NOTES :

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.
 - h. 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. ALL BOLTS AND INSULATOR PINS PASSING THROUGH TIMBER ARE TO BE COATED WITH GRAPHITE GREASE.
6. POLES SHALL BE DRILLED, SCARFED AND DRESSED ON SITE. DRILLING AND SCARFING TO BE TREATED WITH APPROVED PRESERVATIVES.
7. 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.
8. THIS IS THE PREFERRED CONSTRUCTION FOR ALL INTERMEDIATE STRUCTURES.
9. A 2100mm CROSSARM IS TO BE USED AS THE DEFAULT CROSSARM. A 2700mm CROSSARM IS TO BE USED WHERE ADDITIONAL MID SPAN SEPARATION IS REQUIRED. A 3030mm COMPOSITE FIBRE CROSSARM IS TO BE USED WHEN THE MAXIMUM LOAD OF A TIMBER CROSSARM IS EXCEEDED.
10. ONLY THE 2100mm CROSSARM OPTION IS SHOWN ON THIS CONSTRUCTION DRAWING. REFER TO DRGS : 514373 & 237491 FOR DRILLING PATTERN OF ALTERNATE CROSSARMS.

16	STEP - POLE, SCREW-IN (SEE NOTE 3)	250144	185198	A/R
15	TIE - CONDUCTOR, HIGH VOLTAGE, SUPPORT ARRANGEMENT	514038		4m
14	INSULATOR - 11/22kV AERODYNAMIC, (22/450) AND PIN ARRANGEMENT	513997		3
13	BRACKET - POLE TOP, GALVANISED	514380	H17314	1
12	BLOCK - GAIN, ALUMINIUM, 100mm		146274	1
11	WASHER - FLAT, M20, GALVANISED	518081	177986	1
10	WASHER - CONICAL, M20, GALVANISED	518082	H39655	1
9	WASHER - SQUARE, 75x75x6mm, GALVANISED (Ø22mm HOLE)	518081	H39231	1
8	BOLT & NUT - M20, HEX., GALVANISED (LENGTH TO SUIT POLE)	515466		1
7	WASHER - CONICAL, M12, GALVANISED	518082	H39639	3
6	WASHER - FLAT, M12, GALVANISED	518081	177982	5
5	BOLT & NUT - M12x130mm, HEX., GALVANISED	515466	46805	2
4	CROSSARM - 3030x100x100mm, ITEM 2, COMPOSITE FIBRE (SEE NOTES 9 & 10)	237491	183934	1
	CROSSARM - 2700x100x100mm, TYPE B, HARDWOOD (SEE NOTES 9 & 10)	514373	H23884	
	CROSSARM - 2100x100x100mm, TYPE C, HARDWOOD (SEE NOTES 9 & 10)	514374	H23834	
3	BOLT & NUT - M12, HEX., GALVANISED (LENGTH TO SUIT POLE)	515466		1
2	BRACE - CROSSARM, FLAT, 690mm, GALVANISED	514385	H17738	2
1	POLE - TIMBER (AS REQUIRED)	513988		1

ITEM	DESCRIPTION	DRG. No	STOCK CODE	QTY
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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: 03/09/2007	NOTE 4 AMENDED.
APP'D by: STEPHEN CONNOR	
DWN: PATRICIA RIOS	CHKD: PHILLIP JONES
DATE: 16/08/2019	M20 WASHER ADDED. NOTES & MATERIAL LIST AMENDED.
APP'D by: GLENN FORD	
DWN: PATRICIA RIOS	CHKD: PHILLIP JONES
DATE: 09/01/2020	OPTIONAL CROSSARMS ADDED. NOTES & MATERIAL LIST AMENDED.
APP'D by: GLENN FORD	

NETWORK STANDARD

145 NEWCASTLE RD WALLSEND, NSW 2287

SCALE	1:20	STANDARD CONSTRUCTION 11kV SMALL DELTA CONSTRUCTION 2-5		
DESIGNED	-			
DRAWN	PATRICIA RIOS			
CHECKED	B GRAHAM			
APPROVED	R.BREMMELL			
DATE	26/03/96	PROJECT NUMBER	STD	
PROJTRAK NUMBER	-	SIZE	A3	
		DRAWING No	513912	
		SHEET	01	
		AMD	16	