



NOTES :

- THE FOLLOWING INFORMATION IS OBTAINED FROM THE LINE SCHEDULE :
 - POLE LENGTH AND STRENGTH.
 - SPECIAL FOUNDATION REQUIREMENTS.
 - POLE EMBEDMENT DEPTH.
 - PHASE CONDUCTOR SIZE.
 - VARIATIONS TO STANDARD CROSSARM REQUIREMENTS.
 - STAY REQUIREMENTS.
 - DEVIATION ANGLE.
 - ASSESSED EARTHING REQUIREMENTS.
- THE MAXIMUM LINE DEVIATION ANGLE TO BE CONSTRUCTED ON THIS ARRANGEMENT IS TO BE DETERMINED BY THE LINE DESIGNER.
- POLE STEPS ARE TO BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF NS126.
- 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.
- ALL BOLTS AND INSULATOR PINS PASSING THROUGH TIMBER ARE TO BE COATED WITH GRAPHITE GREASE.
- THE LOAD AND DEVIATION ALLOWABLE ON THE EYEBOLT IS TO BE DETERMINED FROM DRG : 520324.
- POLES SHALL BE DRILLED, SCARFED AND DRESSED ON SITE. DRILLING AND SCARFING TO BE TREATED WITH APPROVED PRESERVATIVES.
- A STEEL CROSSARM IS TO BE USED WHEN THE MAXIMUM LOAD OF A TIMBER CROSSARM IS EXCEEDED.
- TO MAINTAIN THE INTEGRITY OF A COVERED SYSTEM , IT IS ESSENTIAL THAT ALL STRIPPED AND PUNCTURED INSULATION IS CONTAINED WITHIN THE APPROPRIATE INSULATING COVER.
- CCT CONDUCTOR INSULATION SHALL ONLY BE REMOVED BY THE USE OF AN APPROVED CCT CONDUCTOR STRIPPING TOOL.

ITEM	DESCRIPTION	DRG. No	STOCK CODE	QTY
36	STEPS - POLE (SEE NOTE 3)	517698	H17720	A/R
35	COVER - PARALLEL GROOVE CLAMP		144576	3
34	CLAMP - PARALLEL GROOVE		144568	3
33	LUG - COMPRESSION (TO SUIT CONDUCTOR)	514053		6
32	FUSE - ELEMENT, 11kV DROPOUT (FOR USE WITH FUSEHOLDER)(REFER TO TS4200)			3
31	LINK - ISOLATING, 12/24kV, OUTDOOR, SINGLE INSULATOR		58750	3
	FUSEHOLDER - BASE & CARRIER, 12/24kV EXPULSION DROPOUT, 150MVA, 8kA		H84350	
30	WASHER - FLAT, M16, GALVANISED	518081	177984	3
29	BOLT & NUT - M16x140mm, HEX., GALVANISED	515466	H37506	3
28	COVER - STRAIN CLAMP		144543	3
	CLAMP - CONDUCTOR STRAIN, FOR CCT180		176313	
	CLAMP - CONDUCTOR STRAIN, FOR CCT120		144527	3
	CLAMP - CONDUCTOR STRAIN, FOR CCT80		144535	
26	INSULATOR - STRAIN ROD		144550	3
25	LINK - SAG, 70kN (PLP PART No. CTSLEW-070-1)		DIRECT PURCHASE	3
	TIE - WIRE, PREFORMED, INSULATED, FOR CCT180		176312	
24	TIE - WIRE, PREFORMED, INSULATED, FOR CCT120		144600	4
	TIE - WIRE, PREFORMED, INSULATED, FOR CCT80		144618	
23	WASHER - CONICAL, M16, GALVANISED	518082	H39647	7
22	WASHER - SQUARE, 50x50x6mm, GALVANISED (Ø18mm HOLE)	518081	H39257	6
21	INSULATOR - PIN POST, LONG STUD		145052	4
20	BRACKET - POLE TOP, GALVANISED	514380	H17314	1
19	BLOCK - GAIN, ALUMINIUM, 100mm		146274	2
18	WASHER - FLAT, M20, GALVANISED	518081	177986	4
17	WASHER - LIP, M24, GALVANISED	518081	176912	2
16	EYEBOLT - M20x200mm, GALVANISED (SEE NOTE 6)	513653	H37881	2
15	EYEBOLT - M20, GALVANISED (LENGTH TO SUIT POLE)(SEE NOTE 6)	513653		1
14	BOLT & NUT - M12x180mm, HEX., GALVANISED	515466	46888	1
13	CROSSARM - 3000x150x100x5mm, RHS, GALVANISED (SEE NOTE 8)	514377	H23787	1
	CROSSARM - 2700x150x100mm, TYPE G, HARDWOOD (SEE NOTE 8)	514375	H23761	
12	SCREW - COACH, M12x90mm, GALVANISED		50443	1
11	BRACE - CROSSARM, ANGLE, 920mm, GALVANISED	514381	H17283	1
10	WASHER - CONICAL, M20, GALVANISED	518082	H39655	4
9	WASHER - SQUARE, 75x75x6mm, GALVANISED (Ø22mm HOLE)	518081	H39231	5
8	BOLT & NUT - M20, HEX., GALVANISED (LENGTH TO SUIT POLE)	515466		1
7	WASHER - CONICAL, M12, GALVANISED	518082	H39639	4
6	WASHER - FLAT, M12, GALVANISED	518081	177982	7
5	BOLT & NUT - M12x130mm, HEX., GALVANISED	515466	46805	2
4	CROSSARM - 2100x100x100mm, TYPE B, HARDWOOD	514374	H23680	1
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

ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE. DO NOT SCALE.

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS	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: 23/06/2008 M16, M20 & 50x50 SQUARE WASHERS ADDED. ITEM 32 DRG NUMBER AMENDED. MATERIAL LIST AMENDED.	APP'D BY DOMINIC SHIELDS
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NETWORK STANDARD
Ausgrid
145 NEWCASTLE RD WALLSEND,
NSW 2287

SCALE	1:20	STANDARD CONSTRUCTION 11kV TEE-OFF CONSTRUCTION WITH DROPOUT FUSES OR ISOLATING LINKS 2-6ICCT	SIZE	DRAWING No	SHEET	AMD
DESIGNED	PHIL JONES					
DRAWN	PATRICIA RIOS					
CHECKED	PHIL JONES					
APPROVED	STEPHEN CONNOR					
DATE	05/12/06	175887	01	2		
PROJECT NUMBER	STD					
PROJTRAK NUMBER	-	A2	175887	01	2	