



NOTES :

1. THE FOLLOWING INFORMATION IS OBTAINED FROM THE CONSTRUCTION SCHEDULE :
 - a. POLE LENGTH AND STRENGTH.
 - b. SPECIAL FOUNDATION REQUIREMENTS.
 - c. POLE EMBEDMENT DEPTH.
 - d. PHASE CONDUCTOR AND OVERHEAD EARTH WIRE 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. THE MAXIMUM ANGLE OF INSULATOR SWING AWAY FROM THE POLE FOR 'A' AND 'B' PHASES IS 70° FROM THE VERTICAL.
4. THE LOAD AND DEVIATION ALLOWABLE ON THE EYEBOLT IS TO BE DETERMINED FROM DRG : 520324.
5. LONGROD INSULATORS TO BE USED UNDER ALL CONDITIONS.
6. POLES SHALL BE DRILLED, SCARFED AND DRESSED ON SITE. DRILLING AND SCARFING TO BE TREATED WITH APPROVED PRESERVATIVES.
7. ALL BOLTS PASSING THROUGH TIMBER ARE TO BE COATED WITH GRAPHITE GREASE.
8. 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.

17	INSULATOR - 33KV LONGROD, STRING ARRANGEMENT AR-1	158754	3
16	WASHER - LIP, M24, GALVANISED	518081	1
15	EYEBOLT - M20x200mm, GALVANISED	513653	1
14	BOLT & NUT - M20x200mm, HEX., GALVANISED	515466	2
13	BOLT & NUT - M20x150mm, HEX., GALVANISED	515466	2
12	PLATE - DROPPER, GALVANISED	513557	2
11	BLOCK - GAIN, ALUMINIUM, 150mm (S/C146290)		1
10	WASHER - CONICAL, M20, STAINLESS STEEL	518082	6
9	WASHER - SQUARE, 75x75x6mm, GALVANISED (Ø22mm HOLE)	518081	3
8	BOLT & NUT - M20, HEX., GALVANISED (LENGTH TO SUIT POLE)	515466	1
7	WASHER - CONICAL, M12, STAINLESS STEEL	518082	1
6	WASHER - FLAT, M12, GALVANISED	518081	1
5	BOLT & NUT - M12x150mm, HEX., GALVANISED	515466	1
4	CROSSARM - 3300x150x100mm, TYPE A, HARDWOOD OR LAMINATED VENEER	514376	1
3	SCREW - COACH, M12x100mm, GALVANISED (S/C H40484)		1
2	BRACE - CROSSARM, ANGLE, 920x50x50x5mm, GALVANISED	514381	1
1	POLE - TIMBER (AS REQUIRED)	513988	1

ITEM	DESCRIPTION	DRG. No	QTY
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ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE. DO NOT SCALE.

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS	DWN: P.S. CHKD: 08/05/96
	DATE: 08/05/96
REDRAWN ON CAD. RENUMBER ITEM LIST. ITEM 5 CHANGED FROM 130mm. KING BOLT CHANGED FROM 200mm.	AUTH'D by: STEPHEN CONNOR
	DWN: PATRICIA RIOS
06	CHKD: PHIL JONES
	DATE: 01/12/2005
UPDATED STOCK CODES REMOVED. BONDING REMOVED. NOTES UPDATED.	DWN: GARY HUGHES
	CHKD: GARRY CRAIG
7	DATE: 17/10/2013
	AUSGRID BORDER APPLIED.
APP'D by: GLENN FORD	

NETWORK STANDARD

145 NEWCASTLE ROAD
WALLSEND NSW 2287
PHONE: 02 4951 9388
FAX: 02 4951 9389

DESIGNED	-
DRAWN	PETER SAUNDERS
CHECKED	-
AUTHORISED	R.BREMMELL
DATE	08/05/96
SCALE	1:20
MAP REF.	
LGA	
PROJECT No.	STD
PROJTRAK No.	-

**STANDARD CONSTRUCTION
33kV ANGLE SUSPENSION
CONSTRUCTION
4-3**

SIZE	DRAWING No	SHEETS	AMD.
A3	513924	01 of 1	7