



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. ALL BOLTS AND INSULATOR PINS PASSING THROUGH TIMBER ARE TO BE COATED WITH GRAPHITE GREASE.
3. THE MAXIMUM LINE DEVIATION ANGLE TO BE CONSTRUCTED ON THIS ARRANGEMENT IS TO BE DETERMINED BY THE LINE DESIGNER.
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.

15	TIE - CONDUCTOR, HIGH VOLTAGE, SUPPORT ARRANGEMENT	514038	4m
14	INSULATOR - 33kV AERODYNAMIC, (33/920) & PIN ARRANGEMENT	514006	3
	INSULATOR - 33kV AERODYNAMIC, (33/710) & PIN ARRANGEMENT	513998	3
13	BOLT & NUT - M12, HEX., GALVANISED (LENGTH TO SUIT POLE)	515466	1
12	BRACKET - POLE TOP, GALVANISED	514380	1
11	BLOCK - GAIN, ALUMINIUM, 100mm (S/C 146274)		1
10	WASHER - CONICAL, M20, STAINLESS STEEL	518082	2
9	WASHER - SQUARE, 75x75x6mm (Ø22mm HOLE)	518081	3
8	BOLT & NUT - M20, HEX., GALVANISED (LENGTH TO SUIT POLE)	515466	2
7	WASHER - CONICAL, M12, STAINLESS STEEL	518082	3
6	WASHER - FLAT, M12, GALVANISED	518081	3
5	BOLT & NUT - M12x150mm, HEX., GALVANISED	515466	2
4	CROSSARM - 2700x100x100mm, TYPE B, HARDWOOD OR LAMINATED VENEER	514373	1
3	SCREW - COACH, M12x100mm, GALVANISED (S/C H40484)		1
2	BRACE - CROSSARM, FLAT, 690mm, GALVANISED	514385	2
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. CHKED: P.A.S
		DATE: 26/03/96
ITEM LIST RENUMBERED.	ITEM 5 CHANGED FROM 130mm.	KING BOLT LOCATION
		CHANGED FROM 200mm.
AUTH'D by: R.BREMME	DWN: PATRICIA RIOS	CHKED: PHIL JONES
DATE: 01/12/2005	DRAWING NUMBER	UPDATED: STOCK CODES
REMOVED: BONDING	REMOVED: NOTES	UPDATED
AUTH'D by: STEPHEN CONNOR	DWN: GARY HUGHES	CHKED: GARRY CRAIG
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.BREMME
DATE	26/03/04
SCALE	1:20
MAP REF.	
LGA	
PROJECT No.	STD
PROJTRAK No.	-

STANDARD CONSTRUCTION
33kV LARGE DELTA
CONSTRUCTION
4-7

SIZE	DRAWING No	SHEETS	AMD.
A3	513927	01 of 1	5