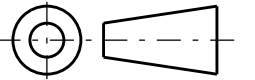


**NOTES :**

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. 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.
5. 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.
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. THE CROSSARM BRACE ATTACHMENT POINT ON A CONCRETE POLE IS TO BE AN M12 STAINLESS STEEL EARTH FERRULE.
8. THE OHEW IS TO BE BONDED TO AN M12 STAINLESS STEEL EARTH FERRULE ON THE CONCRETE POLE.

17	EARTHWIRE - OVERHEAD, SUSPENSION MOUNTING ARRANGEMENT -1A	514157	1
16	CROSSARM - 1350x100x100mm, TYPE D, HARDWOOD OR LAMINATED VENEER	514375	1
15	TIE - CONDUCTOR, HIGH VOLTAGE, SUPPORT ARRANGEMENT	514038	4m
14	INSULATOR - 33kV AERODYNAMIC, (33/920) AND PIN ARRANGEMENT	514006	3
	INSULATOR - 33kV AERODYNAMIC, (33/710) AND PIN ARRANGEMENT	513998	3
13	WASHER - CONICAL, M20, STAINLESS STEEL	518082	2
12	BLOCK - GAIN, ALUMINIUM, 100mm (S/C 146274)		2
11	WASHER - SQUARE, 75x75x6mm, GALVANISED (Ø22mm HOLE)	518081	4
10	BOLT & NUT - M20, HEX., GALVANISED (LENGTH TO SUIT POLE)	515466	2
9	WASHER - CONICAL, M12, STAINLESS STEEL	518082	4
8	WASHER - FLAT, M12, GALVANISED	518081	4
7	BOLT & NUT - M12x130mm, HEX., GALVANISED	515466	4
6	CROSSARM - 2700x100x100mm, TYPE B, HARDWOOD OR LAMINATED VENEER	514373	1
5	WASHER - SPRING, M12, STAINLESS STEEL	518082	2
4	WASHER - FLAT, M12, STAINLESS STEEL	518081	2
3	SCREW - SET, M12x40mm, STAINLESS STEEL	515467	2
2	BRACE - CROSSARM, FLAT, 690mm, GALVANISED	514385	4
1	POLE - CONCRETE (AS REQUIRED)		1
ITEM	DESCRIPTION	DRG.No.	QTY



DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE. DO NOT SCALE.

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS	DWN: PATRICIA RIOS	APP'D by: GLENN FORD
	CHKD: PHILLIP JONES	
5	DATE: 22/12/2010	APP'D by: GLENN FORD
	SECOND BRACE ADDED TO TOP CROSSARM. NOTES AMENDED.	
6	DWN: GARY HUGHES	APP'D by: GLENN FORD
	CHKD: GARRY CRAIG	
2	DATE: 23/10/2013	APP'D by: GLENN FORD
	AUSGRID BORDER APPLIED.	

NETWORK STANDARD

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

DESIGNED	-
DRAWN	PETER SAUNDERS
CHECKED	-
AUTHORISED	G SKINNER
DATE	20/04/99
SCALE	1:25
MAP REF.	
LGA	
PROJECT No.	STD
PROJTRAK No.	-

**STANDARD CONSTRUCTION  
33kV DELTA CONSTRUCTION  
WITH SUSPENDED  
OVERHEAD EARTHWIRE  
4-35C/E**

SIZE	DRAWING No	SHEETS	AMD.
A3	565712	01 of 1	6