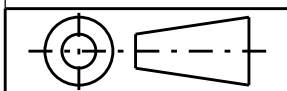


- NOTES :**
- THE FOLLOWING INFORMATION IS OBTAINED FROM THE CONSTRUCTION SCHEDULE :
 - POLE LENGTH AND STRENGTH.
 - SPECIAL FOUNDATION REQUIREMENTS.
 - POLE EMBEDMENT DEPTH.
 - PHASE CONDUCTOR AND OVERHEAD EARTH WIRE SIZE.
 - VARIATIONS TO STANDARD CROSSARM REQUIREMENTS.
 - STAY REQUIREMENTS.
 - DEVIATION ANGLE.
 - ASSESSED EARTHING REQUIREMENTS.
 - OVERHEAD EARTH WIRE BRACKET TO BE INSTALLED ON THE OUTSIDE FACE OF THE POLE AT ANGLE STRUCTURES.
 - ALL BOLTS AND INSULATOR PINS PASSING THROUGH TIMBER ARE TO BE COATED WITH GRAPHITE GREASE.
 - THE MAXIMUM LINE DEVIATION ANGLE TO BE CONSTRUCTED ON THIS ARRANGEMENT IS TO BE DETERMINED BY THE LINE DESIGNER.
 - 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.
 - 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.
 - THE CROSSARM BRACE ATTACHMENT POINT ON A CONCRETE POLE IS TO BE AN M12 STAINLESS STEEL EARTH FERRULE.
 - THE OHEW IS TO BE BONDED TO AN M12 STAINLESS STEEL EARTH FERRULE ON THE CONCRETE POLE.
 - 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	EARTHWIRE - OVERHEAD, SUSPENSION ARRANGEMENT -2 (SEE NOTE 2)	513974	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 - SPRING, M12, STAINLESS STEEL	518082	2
12	WASHER - CONICAL, M20, STAINLESS STEEL	518082	2
11	BLOCK - GAIN, ALUMINIUM, 100mm (S/C 146274)		2
10	WASHER - SQUARE, 75x75x6mm, GALVANISED (Ø22mm HOLE)	518081	4
9	BOLT & NUT - M20, HEX., GALVANISED (LENGTH TO SUIT POLE)	515466	2
8	WASHER - CONICAL, M12, STAINLESS STEEL	518082	4
7	WASHER - FLAT, M12, GALVANISED	518081	4
6	BOLT & NUT - M12x130mm, HEX., GALVANISED	515466	4
5	CROSSARM - 2700x100x100mm, TYPE B, HARDWOOD OR LAMINATED VENEER	514373	1
4	WASHER - FLAT, M12, STAINLESS STEEL	518081	2
3	BRACE - CROSSARM, FLAT, 690mm, GALVANISED	514385	4
2	SCREW - SET, M12x40mm, STAINLESS STEEL	515467	2
1	POLE - CONCRETE (AS REQUIRED)		1

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



CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS	DWN: PATRICIA RIOS	APP'D by: GLENN FORD
	CHKD: PHILLIP JONES	DWN: GARY HUGHES
DATE: 22/12/2010	CHKD: GARRY CRAIG	DWN: GARY HUGHES
SECOND BRACE ADDED TO TOP CROSSARM. NOTES AMENDED.	DATE: 11/10/2013	CHKD: GARRY CRAIG
	AUSGRID BORDER APPLIED.	APP'D by: GLENN FORD

NETWORK STANDARD

145 NEWCASTLE ROAD
WALLSEND NSW 2287
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FAX: 02 4951 9389

DESIGNED	PHIL JONES
DRAWN	PATRICIA RIOS
CHECKED	PHIL JONES
AUTHORISED	STEPHEN CONNOR
DATE	20/12/07
SCALE	1:25
MAP REF.	
LGA	
PROJECT No.	STD
PROJTRAK No.	-

STANDARD CONSTRUCTION 33kV DELTA CONSTRUCTION WITH OVERHEAD EARTHWIRE 4-8 C/E	
SIZE A3	DRAWING No 174127
SHEETS 01 of 1	AMD. 2