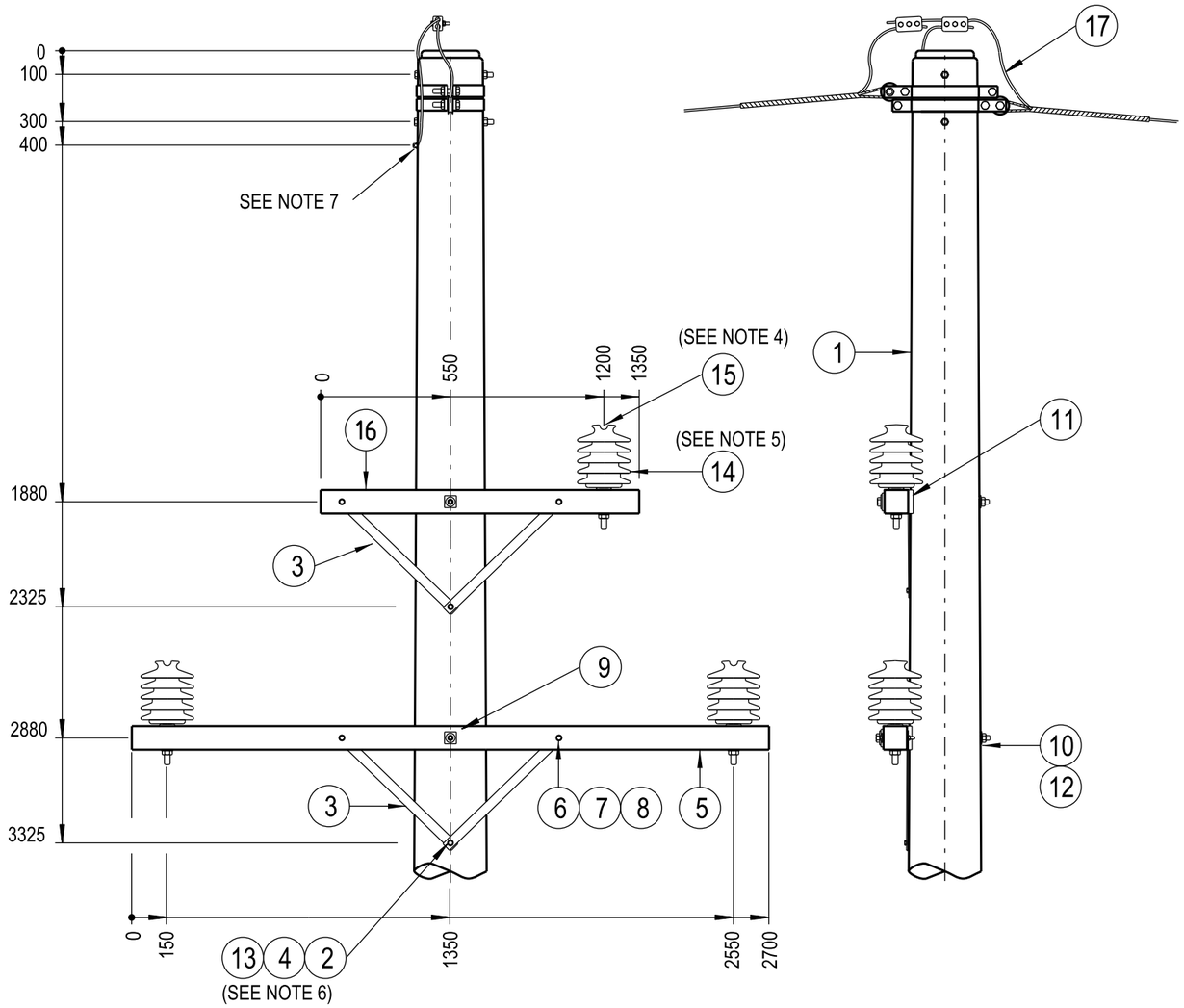

NOTES :

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

ITEM	DESCRIPTION	DRG. No	QTY
17	EARTHWIRE - OVERHEAD, TERMINATION ARR. -2A OR -2B	519450	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

1 — DWN: PATRICIA RIOS; CHKED: PHILLIP JONES; DATE: 22/12/2010; SECOND BRACE ADDED TO TOP CROSSARM. NOTES AMENDED. — APP'D by: GLENN FORD

2 — DWN: GARY HUGHES; CHKED: GARRY CRAIG; DATE: 14/10/2013; AUSGRID BORDER APPLIED. — APP'D by: GLENN FORD

NETWORK STANDARD
Ausgrid
145 NEWCASTLE ROAD
WALLSEND NSW 2287
PHONE: 02 4951 9388
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 TERMINATION
4-9 C/E

SIZE	DRAWING No	SHEETS	AMD.
A3	174128	01 of 1	2

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