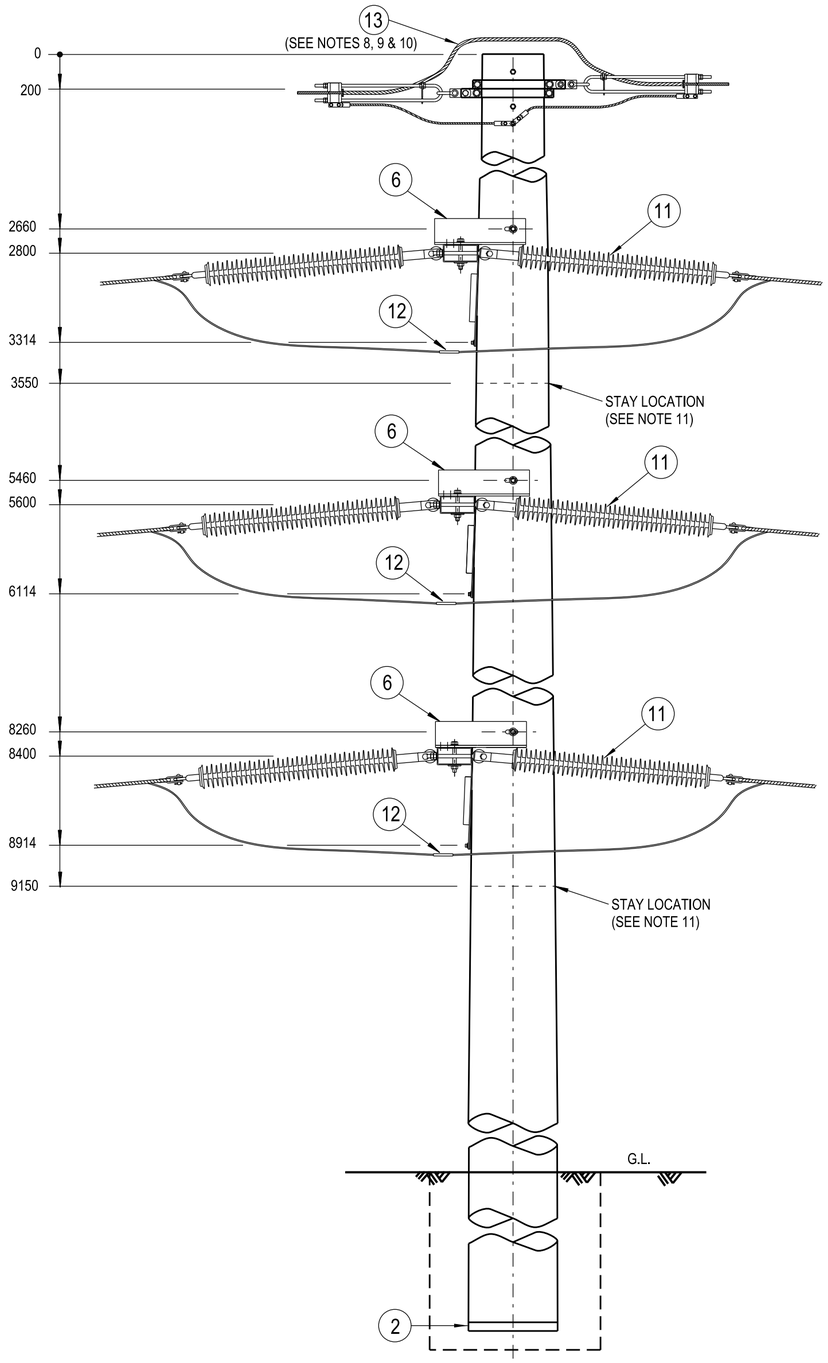

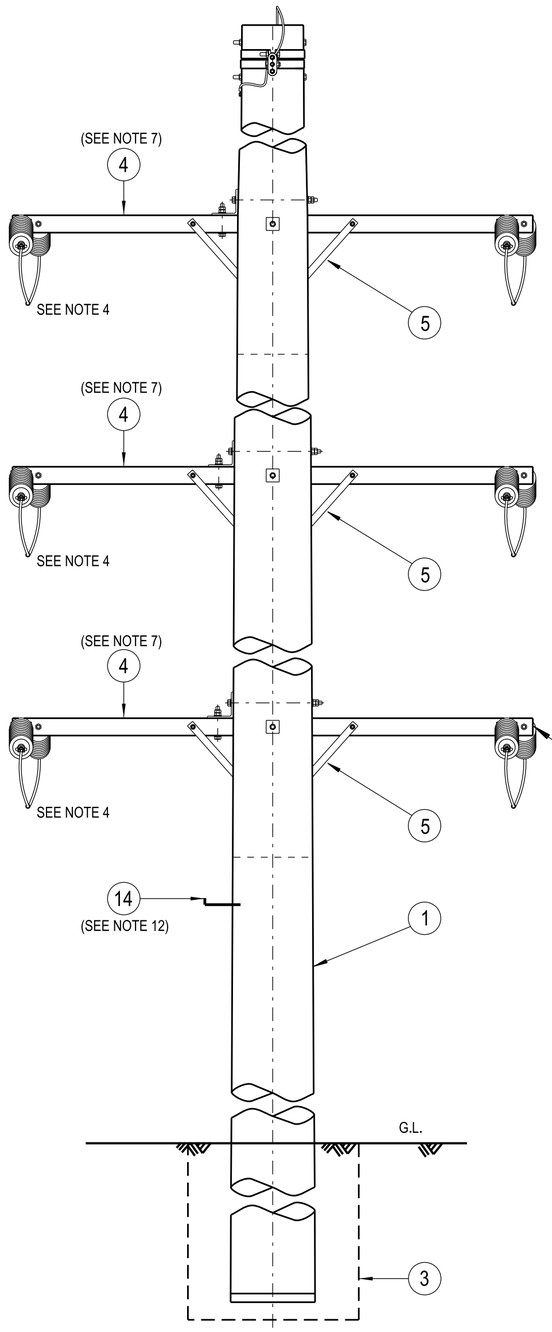

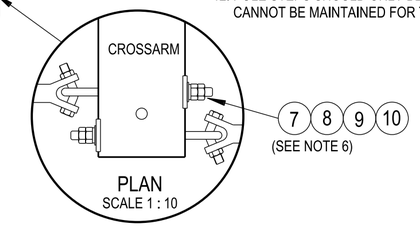

NOTE :

1. THE FOLLOWING INFORMATION IS OBTAINED FROM THE PROJECT DESIGN DRAWINGS :
   a. POLE LENGTH AND STRENGTH.
   b. SPECIAL FOUNDATION REQUIREMENTS.
   c. POLE EMBEDMENT DEPTH.
   d. PHASE CONDUCTOR AND OVERHEAD EARTHWIRE SIZE.
   e. STAY REQUIREMENTS.
   f. DEVIATION ANGLE.
   g. ASSESSED EARTHING REQUIREMENTS.
   h. VARIATIONS TO STANDARD CROSSARM REQUIREMENTS.
2. 132kV LONGROD INSULATORS TO BE USED UNDER NORMAL CONDITIONS.
3. NON-TENSION COMPRESSION JOINTS TO BE USED WHEN REQUIRED TO JOIN CONDUCTORS.
4. THE CONDUCTOR TAPPINGS ARE TO BE INSTALLED TO ENSURE A MINIMUM PHASE TO EARTH CLEARANCE OF 1300mm IS MAINTAINED.
5. THE MAXIMUM LINE DEVIATION ANGLE TO BE CONSTRUCTED ON THIS ARRANGEMENT IS TO BE DETERMINED BY THE LINE DESIGNER.
6. THE LOAD AND DEVIATION ALLOWABLE ON THE EYEBOLT IS TO BE DETERMINED FROM DRAWING 520324.
7. A CONDUCTOR IS TO BE INSTALLED ON EACH END OF THE CROSSARM SIMULTANEOUSLY TO ENSURE A BALANCED CROSSARM LOAD IS MAINTAINED.
8. ONLY THE OPGW THROUGH TERMINATION OVERHEAD EARTHWIRE OPTION IS SHOWN ON THIS CONSTRUCTION DRAWING.
9. USE THE OPGW THROUGH TERMINATION ARRANGEMENT WHEN ERECTING AN UNBROKEN OPGW OVERHEAD EARTHWIRE.
   USE THE OPGW THROUGH SPLICE BOX TERMINATION ARRANGEMENT WHEN BREAKING AN OPGW OVERHEAD EARTHWIRE.
   USE THE STANDARD EARTHWIRE TERMINATION ARRANGEMENT WHEN ERECTING A NON OPGW OVERHEAD EARTHWIRE.
10. WHEN USING THE OPGW THROUGH SPLICE BOX TERMINATION ARRANGEMENT, REFER TO DRG : 565743 FOR SPLICE BOX AND COILED CABLE BRACKET MOUNTING DETAILS.
11. STAYS TO BE INSTALLED SO THAT THE STAYWIRE CLEARANCE FROM THE PHASE CONDUCTORS COMPLIES WITH THE STATUTORY CLEARANCES.
12. POLE STEPS SHOULD ONLY BE INSTALLED ON POLES WHERE ACCESS FOR NORMAL MAINTENANCE VEHICLES CANNOT BE MAINTAINED FOR THE LIFE OF THE POLE.

ITEM	DESCRIPTION	DRG. No	QTY
14	STEP - POLE (SEE NOTE 12)	514084	A/R
13	EARTHWIRE - TERMINATION, OVERHEAD, MOUNTING, ARRANGEMENT - 2A (SEE NOTES 8 & 9)	519450	1
	OPGW - TERMINATION, CONDUCTOR, MOUNTING, ARRANGEMENT -2C (SEE NOTES 8, 9 & 10)	565747	
	OPGW - TERMINATION, CONDUCTOR, MOUNTING, ARRANGEMENT -2A (SEE NOTES 8 & 9)	565747	
12	JOINT - COMPRESSION, NON TENSION (TO SUIT CONDUCTOR) (SEE NOTE 3)	514053	6
11	INSULATOR - LONGROD, 132kV, POLYMERIC, STRING ARRANGEMENT -2	520314	12
10	WASHER - FLAT, M20, GALVANISED	518081	12
9	WASHER - SPRING, M20, GALVANISED	518082	12
8	WASHER - LIP, M24, GALVANISED	518081	12
7	EYEBOLT - M20x350mm, GALVANISED	513653	12
6	BRACKET - CROSSARM, CROSSARM SUPPORT, ARRANGEMENT, DETAILS	174463	3
5	BRACE - CROSSARM, ANGLE, 740mm, TYPE H, GALVANISED (REPLACES 690mm S/C H17738)	46	6
4	CROSSARM - MOUNTING ARRANGEMENT -1a (USE 3000x200x100x5mm STEEL)	514176	3
3	FOOTING - CONCRETE POLE, ARRANGEMENT (SEE NOTE 1)	512331	1
2	EARTHING - CONCRETE/STEEL, SINGLE POLE, BUTT, ARRANGEMENT	520209	1
1	POLE - CONCRETE (AS REQUIRED)		1

ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE. DO NOT SCALE

CAD DRAWING
DO NOT MANUALLY AMEND

AMENDMENTS

	DWN	CHKED	DATE	APP'D by	DESCRIPTION
1	PATRICIA RIOS	PHIL JONES	02/05/2008	GLENN FORD	DIMENSION AMENDED FROM 5010 TO 7060.
2	PATRICIA RIOS	GLENN FORD	08/04/2010	GLENN FORD	PHASE SPACING CHANGED TO 2800.
3	PATRICIA RIOS	PHILLIP JONES	13/12/2017	DOMINIC SHIELDS	AUSGRID BORDER APPLIED. NOTES & MATERIAL LIST UPDATED. OPGW ARRANGEMENT SHOWN.

ASSOCIATED DRAWINGS	
OPGW CONDUCTOR SPLICE BOX & COILED CABLE BRACKET MTG ARRANGEMENT	565743
20mm EYEBOLT LOADING & DEVIATION GRAPH	520324

NETWORK STANDARD
Ausgrid

145 NEWCASTLE RD WALLSEND,
NSW 2287

SCALE	1.25
DESIGNED	GRANT PURDON
DRAWN	GRANT PURDON
CHECKED	PHIL JONES
APPROVED	STEPHEN CONNOR
DATE	05/04/07
PROJECT NUMBER	STD
PROJTRAK NUMBER	-

STANDARD CONSTRUCTION
132kV DUAL VERTICAL CROSSARM TERMINATION CONSTRUCTION WITH OVERHEAD EARTHWIRE
6-111C/E

SIZE	DRAWING No	SHEET	AMD
A2	181517	01	3

20110901