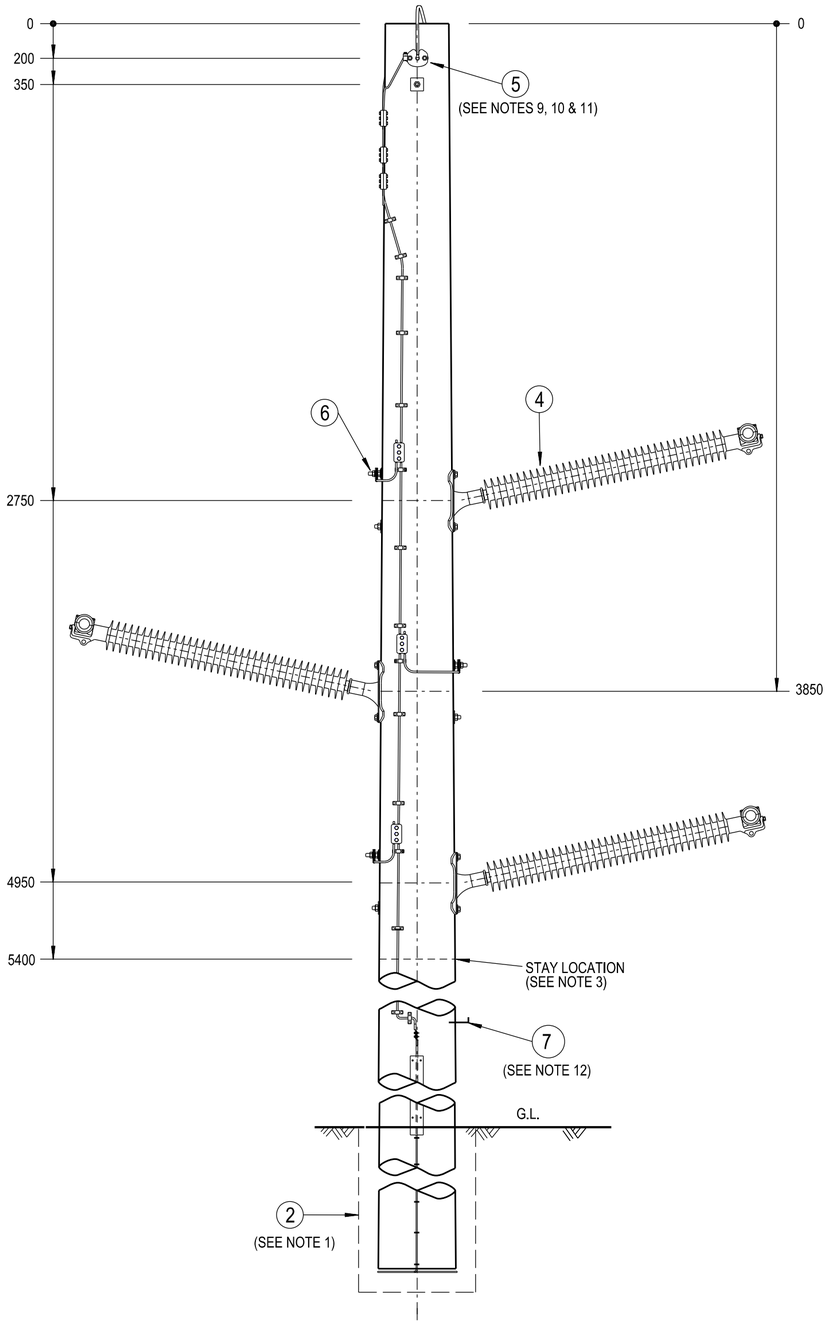

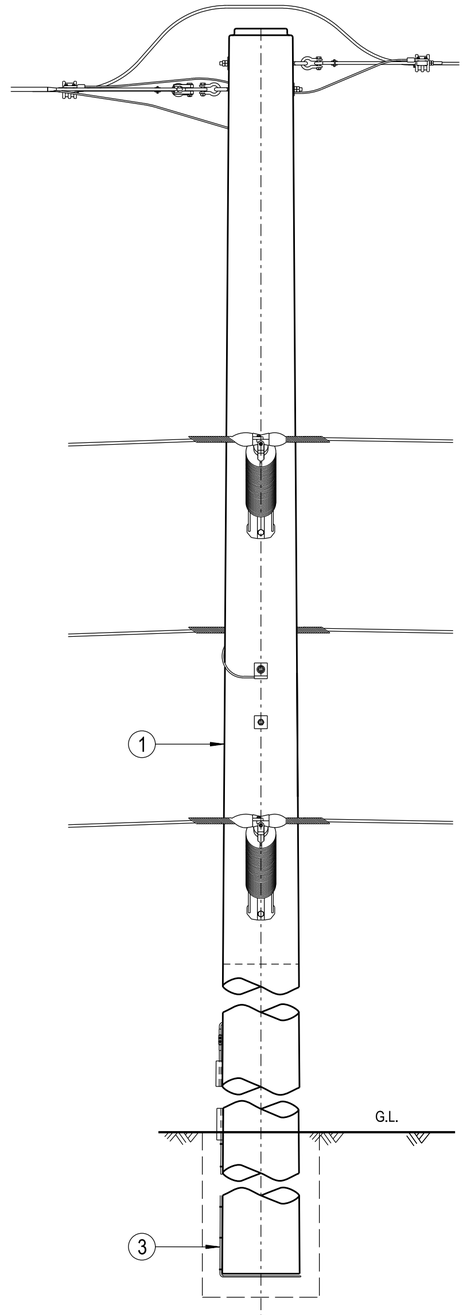

NOTES :

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.
2. THE MAXIMUM LINE DEVIATION ANGLE TO BE CONSTRUCTED ON THIS ARRANGEMENT IS TO BE DETERMINED BY THE LINE DESIGNER.
3. STAYS TO BE INSTALLED SO THAT THE STAYWIRE CLEARANCE FROM THE PHASE CONDUCTORS COMPLIES WITH THE STATUTORY REQUIREMENTS.
4. THE OVERHEAD EARTHWIRE DOWN LEAD IS TO BE FIXED TO THE POLE SO AS TO GIVE THE MAXIMUM CLEARANCE TO THE NEAREST PHASE CONDUCTOR.
5. ALL BOLTS AND EYEBOLTS PASSING THROUGH TIMBER ARE TO BE COATED WITH GRAPHITE GREASE.
6. POLES SHALL BE DRILLED, SCARFED AND DRESSED ON SITE. DRILLING AND SCARFING TO BE TREATED WITH APPROVED PRESERVATIVES.
7. THE EARTHING DOWN LEAD IS TO BE FIXED TO THE POLE WITH DOUBLE SIDED GALVANISED STEEL SADDLES AT INTERVALS NOT GREATER THAN 450mm.
8. THE LOAD AND DEVIATION ALLOWABLE ON THE EYEBOLT IS TO BE DETERMINED FROM DRG: 520324.
9. ONLY THE OPGW THROUGH TERMINATION OVERHEAD EARTHWIRE OPTION IS SHOWN ON THIS CONSTRUCTION DRAWING.
10. 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.
11. WHEN USING THE OPGW THROUGH SPLICE BOX TERMINATION ARRANGEMENT, REFER TO DRAWING 565743 FOR SPLICE BOX AND COILED CABLE BRACKET MOUNTING DETAILS.
12. POLE STEPS SHOULD ONLY BE INSTALLED ON POLES WHERE ACCESS FOR NORMAL MAINTENANCE VEHICLES CANNOT BE MAINTAINED FOR THE LIFE OF THE POLE. IF POLE STEPS ARE INSTALLED, THEY ARE TO COMPLY WITH THE REQUIREMENTS OF NETWORK STANDARD NS128.
13. REFER TO DESIGNER SAFETY REPORT D25/158959 FOR ATYPICAL HAZARDS ASSOCIATED WITH THIS STANDARD CONSTRUCTION.

ITEM	DESCRIPTION	DRG. No	QTY
7	STEP - POLE, SCREW-IN (SEE NOTE 12)	250144	A/R
6	EARTHWIRE - OVERHEAD, DOWNLEAD, POLE HARDWARE, MOUNTING & BONDING, ARRANGEMENT -4	514145	3
5	EARTHWIRE - TERMINATION, OVERHEAD, MOUNTING, ARRANGEMENT -2c (SEE NOTES 9 & 10)	514129	1
	OPGW - TERMINATION, CONDUCTOR, MOUNTING, ARRANGEMENT -2b (SEE NOTES 9, 10 & 11)	514129	
	OPGW - TERMINATION, CONDUCTOR, MOUNTING, ARRANGEMENT -2a (SEE NOTES 9 & 10)	514129	
4	INSULATOR - HORIZONTAL LINE POST, 132kV, MOUNTING & BONDING, ARRANGEMENT -1a	514161	3
3	EARTHING - ARRANGEMENT, TIMBER POLE STRUCTURE, TYPE SE-M5	508786	1
2	FOOTING - TIMBER POLE, ARRANGEMENT (SEE NOTE 1)	508726	1
1	POLE - TIMBER (AS REQUIRED)	513988	1

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

CAD DRAWING DO NOT MANUALLY AMEND

AMENDMENTS

A. INITIAL ISSUE
DWN: P.S. CHKED: P.A.S.

2
DWN: PATRICIA RIOS
CHKED: PHILLIP JONES
DATE: 11/12/2017
DRAWING BORDER UPDATED. NOTES & MATERIAL LIST AMENDED INSULATORS CHANGED TO POLYMERIC. OHEW CHANGED TO OPGW ARRANGEMENT.
APP'D by: GLENN FORD

3
DWN: P.R.
CHK'D: P.J.
APP'D: G.F.
DATE: 15/07/2025
POLE STEPS, PG CLAMPS & SADDLES CHANGED. NOTES & MATERIAL LIST MODIFIED.

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	
DRAWN	P.S.
CHECKED	P.A.S.
APPROVED	I.NICHOLS
DATE	29/07/94
PROJECT NUMBER	STD
PROJTRAK NUMBER	

STANDARD CONSTRUCTION
132kV VERTICAL DELTA HORIZONTAL LINE POST CONSTRUCTION WITH DUAL TO SINGLE OHEW TERMINATION
6-201E

SIZE A2 | DRAWING No 514196 | SHEET 1 | AMD 3

20110901

514196-1.dgn 7/15/2025 4:43:05 PM