



- NOTES :**
- THE FOLLOWING INFORMATION IS OBTAINED FROM THE PROJECT DESIGN DRAWINGS :
 - POLE LENGTH AND STRENGTH.
 - SPECIAL FOUNDATION REQUIREMENTS.
 - POLE EMBEDMENT DEPTH.
 - PHASE CONDUCTOR AND OVERHEAD EARTHWIRE SIZE.
 - STAY REQUIREMENTS.
 - DEVIATION ANGLE.
 - ASSESSED EARTHING REQUIREMENTS.
 - THE MAXIMUM LINE DEVIATION ANGLE TO BE CONSTRUCTED ON THIS ARRANGEMENT IS TO BE DETERMINED BY THE LINE DESIGNER.
 - LONGROD INSULATORS TO BE USED UNDER NORMAL CONDITIONS.
 - STAYS TO BE INSTALLED SO THAT THE STAY WIRE CLEARANCE FROM THE PHASE CONDUCTORS COMPLIES WITH THE STATUTORY REQUIREMENTS.
 - THE OVERHEAD EARTHWIRE DOWN LEAD IS TO BE FIXED TO THE POLE SO AS TO GIVE THE MAXIMUM CLEARANCE TO THE NEAREST PHASE CONDUCTOR.
 - ALL BOLTS AND EYEBOLTS PASSING THROUGH TIMBER ARE TO BE COATED WITH GRAPHITE GREASE.
 - POLES SHALL BE DRILLED, SCARFED AND DRESSED ON SITE. DRILLING AND SCARFING TO BE TREATED WITH APPROVED PRESERVATIVES.
 - THE EARTHING DOWN LEAD IS TO BE FIXED TO THE POLE WITH DOUBLE SIDED GALVANISED STEEL SADDLES AT INTERVALS NOT GREATER THAN 450mm.
 - THE LOAD AND DEVIATION ALLOWABLE ON THE EYEBOLT IS TO BE DETERMINED FROM DRG: 520324.
 - EYEBOLTS ARE TO BE INSTALLED IN THE DIRECTION OF THE OVERHEAD CONDUCTORS.
 - LINE POST INSULATORS ARE TO BE FITTED WHERE LINE DEVIATION IS LESS THAN 90°.
 - NON TENSION COMPRESSION JOINTS TO BE USED WHEN REQUIRED TO JOIN PHASE CONDUCTORS.
 - ONLY THE OPGW THROUGH TERMINATION OVERHEAD EARTHWIRE OPTION IS SHOWN ON THIS CONSTRUCTION DRAWING.
 - 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.
 - WHEN USING THE OPGW THROUGH SPLICE BOX TERMINATION ARRANGEMENT, REFER TO DRAWING 565743 FOR SPLICE BOX AND COILED CABLE BRACKET MOUNTING DETAILS.
 - 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.
 - REFER TO DESIGNER SAFETY REPORT D25/157079 FOR ATYPICAL HAZARDS ASSOCIATED WITH THIS STANDARD CONSTRUCTION.

10	STEP - POLE, SCREW-IN (SEE NOTE 16)	250144	A/R
9	JOINT - COMPRESSION, NON TENSION (TO SUIT CONDUCTOR) (SEE NOTE 12)	514053	3
8	EARTHWIRE - TERMINATION, OVERHEAD, MOUNTING, ARRANGEMENT -1A (SEE NOTES 13 & 14)	519450	1
	OPGW - TERMINATION, CONDUCTOR, MOUNTING, ARRANGEMENT -1C (SEE NOTES 13, 14 & 15)	565747	
	OPGW - TERMINATION, CONDUCTOR, MOUNTING, ARRANGEMENT -1A (SEE NOTES 13 & 14)	565747	
7	EARTHWIRE - OVERHEAD, DOWNLEAD, POLE HARDWARE, MOUNTING & BONDING, ARRANGEMENT -2	514145	6
6	INSULATOR - LONGROD, 132kV, POLYMERIC STRING, ARRANGEMENT -2 (SEE NOTES 3)	520314	6
5	EARTHWIRE - OVERHEAD, DOWNLEAD, POLE HARDWARE, MOUNTING & BONDING, ARRANGEMENT -4	514145	3
4	INSULATOR - HORIZONTAL LINE POST, 132kV, MOUNTING & BONDING, ARRANGEMENT -1	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

ITEM		DESCRIPTION		DRG. No	QTY
SCALE	1:25	STANDARD CONSTRUCTIONS 132kV VERTICAL TERMINATION CONSTRUCTION WITH OVERHEAD EARTHWIRE 6-220E			
DESIGNED	-				
DRAWN	P.S.				
CHECKED	P.A.S.				
APPROVED	I.NICHOLS				
DATE	29/07/94				
PROJECT NUMBER	STD				
PROJTRAK NUMBER	-	SIZE A2	DRAWING No 514199	SHEET 1	AMD 3

CAD DRAWING
DO NOT MANUALLY AMEND

AMENDMENTS

DWN: P.R.

CHKD: P.J.

APPD: G.F.

DATE: 15/07/2025
POLE STEPS, PG CLAMPS &
SADDLES CHANGED. NOTES
& MATERIAL LIST MODIFIED.

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OPGW CONDUCTOR SPLICE BOX & COILED CABLE BRACKET MTG ARRANGEMENT

565743

20mm EYEBOLT LOADING & DEVIATION GRAPH

520324

ASSOCIATED DRAWINGS

NETWORK STANDARD

145 NEWCASTLE RD WALLSEND,
NSW 2287