



- NOTE :**
- 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 EARTH WIRE 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 STAPLES AT INTERVALS NOT GREATER THAN 450mm. ONLY SUFFICIENT INSULATION IS TO BE REMOVED FROM THE DOWN LEAD TO MAKE AN EFFECTIVE CONNECTION TO THE POLE HARDWARE.
  - 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.
  - NON TENSION COMPRESSION JOINTS TO BE USED WHEN REQUIRED TO JOIN THROUGH CONDUCTORS.
  - ONLY THE SINGLE PHASE CONDUCTOR WITH OPGW THROUGH TERMINATION AND OPGW TEE OFF TERMINATION OVERHEAD EARTHWIRE OPTION IS SHOWN ON THIS CONSTRUCTION DRAWING.
  - USE THE OPGW THROUGH TEE OFF TERMINATION ARRANGEMENT WHEN ERECTING AN UNBROKEN AND A BROKEN OPGW OVERHEAD EARTHWIRE. USE THE OPGW TEE OFF SPLICE BOX TERMINATION ARRANGEMENT WHEN BREAKING ALL OPGW OVERHEAD EARTHWIRES. USE THE STANDARD EARTHWIRE TEE OFF TERMINATION ARRANGEMENT WHEN ERECTING A NON OPGW OVERHEAD EARTHWIRE.
  - 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 D20/316320 FOR ATYPICAL HAZARDS ASSOCIATED WITH THIS STANDARD CONSTRUCTION.

ITEM	DESCRIPTION	DRG. No	QTY
12	STEP - POLE, SCREW-IN (SEE NOTE 14)	250144	A/R
11	OPGW - SPLICE BOX & COILED CABLE BRACKET, CONDUCTOR, MOUNTING ARRANGEMENT (USE WITH OPGW OHEW OPTIONS ONLY)	565743	1
10	CLAMP - PARALLEL GROOVE, 3 BOLT (TO SUIT DUAL CONDUCTOR) (SEE NOTE 12)	514099	6
	CLAMP - PARALLEL GROOVE, 3 BOLT (TO SUIT CONDUCTOR) (SEE NOTE 12)	514099	3
9	JOINT - COMPRESSION, NON TENSION (TO SUIT DUAL CONDUCTOR) (SEE NOTES 11 & 12)	514053	6
	JOINT - COMPRESSION, NON TENSION (TO SUIT CONDUCTOR) (SEE NOTES 11 & 12)	514053	3
8	EARTHWIRE - TERMINATION, TEE OFF, OVERHEAD, MOUNTING, ARRANGEMENT -1 (SEE NOTES 12 & 13)	514147	
	OPGW - TERMINATION, TEE OFF, CONDUCTOR, MOUNTING, ARRANGEMENT -1B (SEE NOTES 12 & 13)	251960	1
7	OPGW - TERMINATION, TEE OFF, CONDUCTOR, MOUNTING, ARRANGEMENT -1A (SEE NOTES 12 & 13)	251960	
	EARTHWIRE - OVERHEAD, DOWNLEAD, POLE HARDWARE, MOUNTING & BONDING, ARRANGEMENT -2 (SEE NOTES 9 & 10)	514145	9
6	INSULATOR - LONGROD, 66kV, DUAL CONDUCTOR, POLYMERIC STRING, ARRANGEMENT -2 (SEE NOTES 3 & 12)	244700	
	INSULATOR - LONGROD, 66kV, POLYMERIC STRING, ARRANGEMENT -2 (SEE NOTES 3 & 12)	166231	9
5	EARTHWIRE - OVERHEAD, DOWNLEAD, POLE HARDWARE, MOUNTING & BONDING, ARRANGEMENT -4	514145	3
	INSULATOR - HORIZONTAL LINE POST, 66kV, DUAL CONDUCTOR, MOUNTING & BONDING, ARRANGEMENT -1 (SEE NOTE 12)	244699	
4	INSULATOR - HORIZONTAL LINE POST, 66kV, MOUNTING & BONDING, ARRANGEMENT -1 (SEE NOTE 12)	514161	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 A M E N D M E N T S 27/7/91 B. ITEMS 3, 10, 11, 12 & 14 REMOVED. ITEM 13 NOW ITEM 10. NOTES 5 & 6 REMOVED. JC C. 21 -5- 91 ITEMS 3, 6, DRAWING CHANGED. P.S. DWN: PATRICIA RIOS CHKD: PHILLIP JONES DATE: 12/08/2020 DRAWING NUMBER UPDATED. STOCK CODES REMOVED. DISCS CHANGED TO LONGRODS NOTES & MATERIAL LIST AMENDED. APPD by: GLENN FORD	20mm EYEBOLT LOADING & DEVIATION GRAPH	520324
	ASSOCIATED DRAWINGS	

NETWORK STANDARD  
 SCALE: 1:25  
 DESIGNED: -  
 DRAWN: PETER SAUNDERS  
 CHECKED: R.M.  
 APPROVED: D.GRIFFITHS  
 DATE: 13/12/90  
 PROJECT NUMBER: STD  
 PROJTRAK NUMBER: -  
 STANDARD CONSTRUCTION  
 66kV VERTICAL TEE OFF  
 TERMINATION CONSTRUCTION  
 WITH OVERHEAD EARTHWIRE  
 5-146E  
 SIZE: A2  
 DRAWING No: 514144  
 SHEET: 01  
 AMD: 4