



- NOTES :**
- THE FOLLOWING INFORMATION IS OBTAINED FROM THE PROJECT DESIGN DRAWINGS:
 - POLE LENGTH AND STRENGTH.
 - SPECIAL FOUNDATION REQUIREMENTS.
 - POLE EMBEDMENT DEPTH.
 - CONDUCTOR SIZE.
 - VARIATIONS TO STANDADRD CROSSARM REQUIREMENTS.
 - STAY REQUIREMENTS.
 - DEVIATION ANGLE.
 - 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.
 - THE LOAD AND DEVIATION ALLOWABLE ON THE EYEBOLT IS TO BE DETERMINED FROM DRG: 520324.
 - LONGROD INSULATORS TO BE USED UNDER NORMAL CONDITIONS.
 - POLES SHALL BE DRILLED, SCARFED AND DRESSED ON SITE. DRILLING AND SCARFING TO BE TREATED WITH APPROVED PRESERVATIVES.
 - ALL BOLTS AND EYEBOLTS PASSING THROUGH TIMBER ARE TO BE COATED WITH GRAPHITE GREASE.
 - COMPOSITE FIBRE CROSSARMS ARE TO BE USED AS THE PREFERRED OPTION UNDER NORMAL CIRCUMSTANCES.
 - A 2706mm COMPOSITE FIBRE CROSSARM IS TO BE USED AS THE DEFAULT CROSSARM. A LONGER COMPOSITE FIBRE CROSSARM IS TO BE USED WHERE ADDITIONAL MID SPAN SEPARATION IS REQUIRED. A STEEL CROSSARM IS TO BE USED WHEN THE MAXIMUM LOAD OF THE ALTERNATE CROSSARMS IS EXCEEDED.
 - ONLY THE 2706mm COMPOSITE FIBRE CROSSARM OPTION IS SHOWN ON THIS CONSTRUCTION DRAWING. REFER TO DRGS: 262732 & 514377 FOR DRILLING PATTERN OF ALTERNATE CROSSARMS.
 - FOR DETAILS OF APPROVED ALTERNATE WAGNER COMPOSITE FIBRE CROSSARMS, REFER TO DRG: 265964.
 - ONLY THE SINGLE PHASE CONDUCTOR OPTION IS SHOWN ON THIS CONSTRUCTION DRAWING.
 - 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 D22/283114 FOR ATYPICAL HAZARDS ASSOCIATED WITH THIS STANDARD CONSTRUCTION.

ITEM	DESCRIPTION	DRG. No	QTY
12	STEP - POLE, SCREW-IN (SEE NOTE 12)	250144	A/R
11	INSULATOR - LONGROD, 33kV, DUAL CONDUCTOR, POLYMERIC STRING, ARRANGEMENT -2 (SEE NOTES 4 & 11)	250120	3
	INSULATOR - LONGROD, 33kV, POLYMERIC STRING, ARRANGMENT -2 (SEE NOTES 4 & 11)	158754	
10	WASHER - SQUARE, 75x75x6mm, GALVANISED (Ø22mm HOLE)	518081	4
9	EYEBOLT - M20, GALVANISED (LENGTH TO SUIT POLE) (SEE NOTE 3)	513653	1
8	WASHER - FLAT, M20, GALVANISED	518081	1
7	WASHER - CONICAL, M20, GALVANISED	518082	1
6	WASHER - SPRING, M20, GALVANISED	518082	2
5	WASHER - LIP, M24, GALVANISED	518081	2
4	EYEBOLT - M20x200mm, GALVANISED (SEE NOTE 3)	513653	2
3	CROSSARM - MOUNTING ARRANGEMENT -1 (COMPOSITE FIBRE OR GALVANISED STEEL CROSSARM) (SEE NOTES 7, 8, 9 & 10)	514176	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.

NO.	DESCRIPTION	DATE	BY	CHECKED	APP'D
1	CAD DRAWING	08/11/2022	P.J.	P.J.	G.F.
7	MULTIPLE CROSSARM OPTION & FOUNDATION DETAILS ADDED. NOTES & MATERIAL LIST AMENDED. DUAL CONDUCTOR OPTION ADDED.	23/07/2024	P.J.	P.J.	G.F.
8	COMPOSITE CROSSARMS ADDED TO MATERIAL LIST. NOTES & DIMENSIONS AMENDED. SHEET SIZE CHANGED.				

NETWORK STANDARD
 SCALE: 1:20
 DESIGNED: -
 DRAWN: PETER SAUNDERS
 CHECKED: P.A.S.
 APPROVED: R.BREMPELL
 DATE: 12/04/1996
 PROJECT NUMBER: STD
 PROJTRAK NUMBER: -
 STANDARD CONSTRUCTION
 33kV DELTA TERMINATION
 CONSTRUCTION
 4-25
 SIZE: A2
 DRAWING No: 513933
 SHEET: 1
 AMD: 8