

513935-1.dgn 11/8/2022 2:29:47 PM

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	NOTES :				1								
	<ul> <li>1. THE FOLLOWING INFORMATION IS OBTAINED FROM THE PROJECT DESIGN DRAWINGS : <ul> <li>a. POLE LENGTH AND STRENGTH.</li> <li>b. SPECIAL FOUNDATION REQUIREMENTS.</li> <li>c. POLE EMBEDMENT DEPTH.</li> <li>d. CONDUCTOR SIZE.</li> <li>e. VARIATIONS TO STANDADRD CROSSARM REQUIREMENTS.</li> <li>f. STAY REQUIREMENTS.</li> <li>g. DEVIATION ANGLE.</li> </ul> </li> <li>2. THE MAXIMUM LINE DEVIATION ANGLE TO BE CONSTRUCTED ON THIS ARRANGEMENT IS TO BE DETERMINED BY TH</li> <li>3. WHEN DESIGNING UNDERBUILT CIRCUITS ON A 33kV STRUCTURE, THE POSSIBLE USE OF LIVE LINE WORKING PROC CONSIDERED WHEN NOMINATING THE CIRCUIT SEPARATION TO ALLOW A MINIMUM CLEARANCE OF 2500mm IF REQ</li> <li>4. THE LOAD AND DEVIATION ALLOWABLE ON THE EYEBOLT IS TO BE DETERMINED FROM DRG: 520324.</li> <li>5. LONGROD INSULATORS TO BE USED UNDER NORMAL CONDITIONS.</li> <li>6. POLES SHALL BE DRILLED, SCARFED AND DRESSED ON SITE. DRILLING AND SCARFING TO BE TREATED WITH APPR</li> <li>7. NON-TENSION COMPRESSION SLEEVES TO BE USED WHEN REQUIRED TO JOIN CONDUCTORS.</li> <li>8. USE THE ANGLE TYPE CONDUCTOR TIE ARRANGEMENT AS SHOWN ON DRG: 514038.</li> </ul>								EDURES MUST BE IIRED.				
<ol> <li>9. CONDUCTOR TO POLE CLEARANCE IS TO BE A MINIMUM OF 380mm.</li> <li>10. 'A' AND 'C' PHASE CONDUCTORS MAY BE BRIDGED UNDER THE CROSSARM PROVIDED THAT:         <ul> <li>a. THE LINE IS SINGLE CIRCUIT OR STATUTORY CLEARANCES CAN BE MAINTAINED UNDER ALL OPERATING CONDITIONS.</li> <li>b. MINIMUM CLEARANCES TO EARTH (POLE/HARDWARE) OF 380mm CAN BE MET.</li> <li>c. WHEN THE CONDITIONS IN a AND b ARE NOT MET, A 33kV 33/920 AERODYNAMIC INSULATOR AND PIN ARRANGEMENTIS TO E FOR THE 'A' AND 'C' PHASE CONDUCTORS.</li> </ul> </li> <li>11. ALL BOLTS PASSING THROUGH TIMBER ARE TO BE COATED WITH GRAPHITE GREASE.</li> <li>12. STAYS TO BE INSTALLED SO THAT THE STAY WIRE CLEARANCE FROM THE PHASE CONDUCTORS COMPLIES WITH THE STATUREQUIREMENTS.</li> <li>13. EYEBOLTS ARE TO BE INSTALLED TO BISECT THE ANGLE OF DEVIATION.</li> <li>14. ONLY THE SINGLE PHASE CONDUCTOR OPTION IS SHOWN ON THIS CONSTRUCTION DRAWING.</li> <li>15. POLE STEPS SHOULD ONLY BE INSTALLED ON POLES WHERE ACCESS FOR NORMAL MAINTENANCE VEHICLES CANNOT BE N FOR THE LIFE OF THE POLE. IF POLE STEPS ARE INSTALLED, THEY ARE TO COMPLY WITH THE REQUIREMENTS OF NETWORY STANDARD NS128.</li> <li>17. REFER TO DESIGNER SAFETY REPORT D22/297037 FOR ATYPICAL HAZARDS ASSOCIATED WITH THIS STANDARD CONSTRUCT</li> </ol>									RY TAINED	В			
	27		SCREW-IN (SEE N	,				250144	A/R				
	26					TORS) (SEE NOTES 7 8 (SEE NOTES 7 & 14)	& 14)	514053 514053	6 3				
	25		TOR, HIGH VOLTAG	`	/	,		514033	3 1m	۲			
	24		33kV, AERODYNAM					5 <b>1</b> 4006	1				
	23	BOLT & NUT -	M12, HEX., GALVA	NISED (LENGT	H TO SUIT POLE	)		515466	1				
	22		M20, HEX., GALVA	,	H TO SUIT POLE	)		5 <mark>1</mark> 5466	1				
	21	BRACKET - POLE TOP, GALVANISED						5 <mark>1</mark> 4380	1				
	20 19 18	INSULATOR - LONGROD, 33kV, DUAL CONDUCTOR, POLYMERIC STRING, ARRANGEMENT -3 (SEE NOTES 5 & 14)							2				
			ATOR - LONGROD, 33kV, POLYMERIC STRING, ARRANGEMENT -3 (SEE NOTES 5 & 14) 158754										
		INSULATOR - LONGROD, 33kV, DUAL CONDUCTOR, POLYMERIC STRING, ARRANGEMENT -2 (SEE NOTES 5 & 14) INSULATOR - LONGROD, 33kV, POLYMERIC STRING, ARRANGEMENT -2 (SEE NOTES 5 & 14) BAND - POLE, 3 BOLT (SIZE TO SUIT POLE)						250120 158754	4				
								507741	2				
	17		PRING, M20, GALVA	'					4	-			
	16		AT, M20, GALVANIS					518081	1	-			
	15	WASHER - CONICAL, M20, GALVANISED						5 <mark>1</mark> 8082	1	_ D			
	14	WASHER - SQUARE, 75x75x6mm, GALVANISED (Ø22mm HOLE)						5 <mark>1</mark> 8081	9				
	13	EYEBOLT - M20x350mm, GALVANISED (USE WITH 200x100mm CROSSARM) (SEE NOTE 4)						5 <mark>1</mark> 3653	4				
	15	EYEBOLT - M	20x200mm, GALVA	NISED (USE W	ISED (USE WITH 150x100mm CROSSARM) (SEE NOTE 4)				4				
	12	BLOCK - GAIN, ALUMINIUM, 100mm (S/C: 146274)							1				
	11	BOLT - 'U' TYPE, 16mm, GALVANISED						514409	2				
	10	BRACKET - CROSSARM, ASSEMBLY (USE WITH 200x100mm CROSSARM) BRACKET - CROSSARM, ASSEMBLY (USE WITH 150x100mm CROSSARM)						514387 514386	2				
	9		,	(				514386	1				
	8		WASHER - CONICAL, M12, GALVANISED WASHER - SPRING, M12, GALVANISED						2				
	7	WASHER - FLAT, M12, GALVANISED						518082 518081	4				
	6	BOLT & NUT - M12x240mm, HEX., GALVANISED (USE WITH 200x100mm CROSSARM)						5 <b>1</b> 5466					
	6	BOLT & NUT - M12x200mm, HEX., GALVANISED (USE WITH 150x100mm CROSSARM)						5 <mark>1</mark> 5466	2				
	5	CROSSARM - RHS, 3000x200x100x5mm, GALVANISED						514377	. 1				
		CROSSARM - RHS, 3000x150x100x5mm, GALVANISED						5 <mark>1</mark> 4377					
	4	SCREW - COACH, M12x100mm, GALVANISED (S/C: H40484)						5 <mark>1</mark> 4385	1				
	3 BRACE - CROSSARM, FLAT, 690m 2 FOOTING - TIMBER POLE, ARRANG			-					2				
	1 POLE - TIMBER (AS REQUIRED)						508726 1 513988 1						
	ITEM								QTY	1			
1		DESCRIPTION						DRG. No	<b>WIT</b>	4			
		SCALE1:25STANDARD CONSTRUCTIONDESIGNEDDRAWNPETER SAUNDERS33kVCHECKEDP.A.SCONSTRUCTIONAPPROVEDR.BREMMELLCONSTRUCTIONDATE07/06/1996WITH RHS GALVANISED CROSSAR						F					
- 145 NEWCASTLE RD WALLSEND,		PROJECT NUMBER	STE	)	4-28								
NSW 2287		PROJTRAK			SIZE DRAV	/ING No		SHEET	AMD				
		NUMBER	-		A2	51	13935	1	6				
5		6			7		8						
				1									