

174426-1.dgn 7/23/2024 4:35:45 PM

	5		6		7	8			
			NOTES :						
138 (C			1. THE FOLLOWING INFORMATION a. POLE LENGTH AND STRENG b. SPECIAL FOUNDATION REQU c. POLE EMBEDMENT DEPTH. d. PHASE CONDUCTOR AND OV e. VARIATIONS TO STANDARD O f. STAY REQUIREMENTS. g. DEVIATION ANGLE.	TH. IIREMENTS. /ERHEAD EARTHWIRI CROSSARM REQUIRE	E SIZE.				А
DDD157CO FCCC			 h. ASSESSED EARTHING REQUIREMENTS. 2. THE MAXIMUM LINE DEVIATION ANGLE TO BE CONSTRUCTED ON THIS ARRANGEMENT IS TO BE DETERMINED BY THE LINE DESIGNER. 3. 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. 4. THE LOAD AND DEVIATION ALLOWABLE ON THE EYEBOLT IS TO BE DETERMINED FROM DRG: 520324. 5. LONGROD INSULATORS TO BE USED UNDER NORMAL CONDITIONS. 6. NON-TENSION COMPRESSION JOINTS TO BE USED WHEN REQUIRED TO JOIN CONDUCTORS. 7. USE THE ANGLE TYPE CONDUCTOR TIE ARRANGEMENT AS SHOWN ON DRG: 514038. 8. CONDUCTOR TO POLE CLEARANCE IS TO BE A MINIMUM OF 380mm. 9. INSTALL A 33/920 PIN INSULATOR ARRANGEMENT TO HOLD THE CONDUCTOR TAPPING TO INCREASE THE CONDUCTOR CLEARANCE TO THE CROSSARM AND REDUCE THE RISK OF A FLASHOVER DUE TO PERCHED BIRDS. 						
			 10. STAYS TO BE INSTALLED SO THAT THE STAY WIRE CLEARANCE FROM THE PHASE CONDUCTORS COMPLIES WITH THE STATUTORY REQUIREMENTS. 11. EYEBOLTS ARE TO BE INSTALLED IN THE DIRECTION OF THE OVERHEAD CONDUCTORS. 12. THE CROSSARM BRACE ATTACHMENT POINT ON A CONCRETE POLE IS TO BE AN M12 STAINLESS STEEL EARTH FERRULE. 13. THE OHEW IS TO BE BONDED TO AN M12 STAINLESS STEEL EARTH FERRULE ON THE CONCRETE POLE. 14. COMPOSITE FIBRE CROSSARMS ARE TO BE USED AS THE PREFERED OPTION UNDER NORMAL CIRCUMSTANCES. 15. 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. 16. ONLY THE 2706mm COMPOSITE FIBRE CROSSARM OPTION IS SHOWN ON THIS CONSTRUCTION DRAWING. REFER TO DRGS: 262732 & 514377 FOR DRILLING PATTERN OF ALTERNATE CROSSARMS. 					RM IS IM	В
	- -	17. FOR DETAILS OF APPROVED ALTERNATE WAGNER COMPOSITE FIBRE CROSSARMS, REFER TO DRG: 265964.						OILED	С
Г	16	STEP - POLE (SEE N	IOTE 21)				514084	A/R	
	15	EARTHWIRE - TERM	THWIRE - TERMINATION, OVERHEAD, MOUNTING, ARRANGEMENT -2A (SEE NOTES 18 & 19)						
			W - TERMINATION, CONDUCTOR, MOUNTING, ARRANGEMENT -2C (SEE NOTES 18, 19 & 20)					1	
			DN, CONDUCTOR, MOUNTING, ARRANGEMENT -2A (SEE NOTES 18 & 19)				565747	_	
	14		ON, NON TENSION (TO SUIT DUAL C	/ (,		514053	6	D
			ON, NON TENSION (TO SUIT CONDUCTOR) (SEE NOTES 6 & 18) IGH VOLTAGE, SUPPORT ARRANGEMENT (SEE NOTE 7)				514053 514038	3	_
12 INSULATOR - 33kV,			,		,		514038 514006	2m	_
			JLATOR - 33kV, AERODYNAMIC, (33/920) AND PIN ARRANGEMENT (SEE NOTE 9) JLATOR - LONGROD, 33kV, DUAL CONDUCTOR, POLYMERIC STRING, ARRANGEMENT -3 (SEE NOTES 5 & 18)					2	
	11		ROD, 33kV, DUAL CONDUCTOR, POLYMERIC STRING, ARRANGEMENT -3 (SEE NOTES 5 & 18) ROD, 33kV, POLYMERIC STRING, ARRANGRMENT -3 (SEE NOTES 5 & 18)				250120 158754	2	
\vdash			ROD, 33kV, DUAL CONDUCTOR, POLYMERIC STRING, ARRANGEMENT -2 (SEE NOTES 5 & 18)				250120		
10			ROD, 33kV, POLYMERIC STRING, ARRANGRMENT -2 (SEE NOTES 5 & 18)				158754	4	
	9		TING & BONDING, ARRANGEMENT -2				514158	1	—
	8	WASHER - SQUARE, 75x75x6mm, GALVANISED (Ø22mm HOLE)					518081	4	1
	7	WASHER - SPRING, M20, GALVANISED					518082	4	E
	6	WASHER - LIP, M24, GALVANISED					518081	4	1 -
	5	 4 CROSSARM - MOUNTING ARRANGEMENT -1a (COMPOSITE FIBRE OR GALVANISED STEEL CROSSARM) (SEE NOTES 14, 15, 16 & 17) 3 FOOTING - CONCRETE POLE, ARRANGEMENT (SEE NOTE 1) 2 EARTHING - CONCRETE/STEEL, SINGLE POLE, BUTT, ARRANGEMENT 1 POLE - CONCRETE (AS REQUIRED) 				513653	4		
	4					514176	2		
						512331	1		
							520209	1	
	1							1	
	ITEM			DESCRIPTION	1		DRG. No	QTY	
-	NEWCAST	NETWORK STANDARD SCALE 1:25 STANDARD CONSTRUCTION Ausgrid P.JONES 33kV LARGE DELTA CORNER POLE DRAWN P.JONES 33kV LARGE DELTA CORNER POLE CHECKED P.JONES TERMINATION CONSTRUCTION APPROVED STEPHEN CONNOR WITH OVERHEAD EARTHWIRE PROJECT STD 4-31C/E							F
NSW	2287		PROJTRAK	-	SIZE DRAWING No	11176	SHEET 1	AMD C	1
		1	NUMBER	-		4426		3	
	5		6		7	8			(C)