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	a. POLE b. SPEC c. POLE d. PHA: e. VAR f. STA g. DEVI h. ASSI 2. THE MA: 3. WHEN D CONSID 4. LONGRO	- LLOWING INFORMATION IS C E LENGTH AND STRENGTH. CIAL FOUNDATION REQUIRE E EMBEDMENT DEPTH. SE CONDUCTOR AND OVERI IATIONS TO STANDADRD CR Y REQUIREMENTS. IATION ANGLE. ESSED EARTHING REQUIREM XIMUM LINE DEVIATION ANG DESIGNING UNDERBUILT CIR DERED WHEN NOMINATING TI DO INSULATORS TO BE USEI	MENTS. HEAD EARTHWIRE OSSARM REQUIRE MENTS. ILE TO BE CONSTR CUITS ON A 33kV S HE CIRCUIT SEPAR D UNDER NORMAL	IMENTS. UCTED ON THIS ARRANGEMENT I STRUCTURE, THE POSSIBLE USE C RATION TO ALLOW A MINIMUM CLE CONDITIONS.	S TO BE DETERMINED BY THE LIN OF LIVE LINE WORKING PROCEDU CARANCE OF 2500mm IF REQUIRE	IRES MUST BE		A
ES 4 & 18)	6. STAYS 1 REQUIR 7. THE OVI CONDUC 8. THE LOA 9. ALL BOL 10. POLES 11. THE EA GREAT WILL B 12. EYEBO 13. NON TH 14. USE TH 15. CONDU	<ol> <li>THE LOAD AND DEVIATION ALLOWABLE ON THE EYEBOLT IS TO BE DETERMINED FROM DRG: 520324.</li> <li>STAYS TO BE INSTALLED SO THAT THE STAY WIRE CLEARANCE FROM THE PHASE CONDUCTORS COMPLIES WITH THE STATUTORY REQUIREMENTS.</li> <li>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.</li> <li>THE LOAD AND DEVIATION ALLOWABLE ON THE EYEBOLT AND EYENUT ASSEMBLY IS TO BE DETERMINED FROM DRG: 520331.</li> <li>ALL BOLTS AND EYEBOLTS PASSING THROUGH TIMBER ARE TO BE COATED WITH GRAPHITE GREASE.</li> <li>POLES SHALL BE DRILLED, SCARFED AND DRESSED ON SITE. DRILLING AND SCARFING TO BE TREATED WITH APPROVED PRESERVATIVES.</li> <li>THE EARTHING DOWN LEAD IS TO BE FIXED TO THE POLE USING DOUBLE SIDED GALVANISED STEEL SADDLES AT INTERVALS OF NOT GREATER THAN 450mm. SADDLES MUST BE NO LESS THAN 100mm FROM EDGES OF REMOVED INSULATION. ONLY SUFFICIENT INSULATION WILL BE REMOVED FROM THE DOWN LEAD TO MAKE AN EFFICIENT TERMINATION.</li> <li>EYEBOLTS ARE TO BE INSTALLED IN THE DIRECTION OF THE OVERHEAD CONDUCTORS.</li> <li>NON TENSION COMPRESSION JOINTS TO BE USED WHEN REQUIRED TO JOIN THROUGH CONDUCTORS.</li> <li>CONDUCTOR TO POLE CLEARANCE IS TO BE A MINIMUM OF 380mm.</li> <li>INSTALL A 33/920 PIN INSULATOR ARRANGEMENT TO HOLD THE CONDUCTOR TAPPING TO INCREASE THE CONDUCTOR CLEARANCE TO THE</li> </ol>					ATIVES. DT LATION	В
(SEE NOTE 17	STEEL 17. ONLY T PATTEI 18. ONLY T OPTION 19. USE TH USE TH USE TH USE TH 20. POLE S THE LIF	<ol> <li>INSTALL A 33/920 PIN INSULATOR ARRANGEMENT TO HOLD THE CONDUCTOR TAPPING TO INCREASE THE CONDUCTOR STEEL CROSSARM AND REDUCE THE RISK OF A FLASHOVER DUE TO PERCHED BIRDS.</li> <li>ONLY THE 3000mm STEEL CROSSARM OPTION IS SHOWN ON THIS CONSTRUCTION DRAWING. REFER TO DRG: 237491 FC PATTERN OF ALTERNATE CROSSARM.</li> <li>ONLY THE SINGLE PHASE CONDUCTOR WITH OPGW THROUGH TERMINATION AND OPGW TEE OFF TERMINATION OVERH OPTION IS SHOWN ON THIS CONSTRUCTION DRAWING.</li> <li>USE THE OPGW THROUGH TEE OFF TERMINATION ARRANGEMENT WHEN ERECTING AN UNBROKEN AND A BROKEN OPC EARTHWIRE.</li> <li>USE THE OPGW TEE OFF SPLICE BOX TERMINATION ARRANGEMENT WHEN BREAKING ALL OPGW OVERHEAD EARTHWIFE</li> <li>DE THE OFGW TEE OFF SPLICE BOX TERMINATION ARRANGEMENT WHEN BREAKING ALL OPGW OVERHEAD EARTHWIFE</li> <li>DOGU TEE OFF SPLICE BOX TERMINATION ARRANGEMENT WHEN BREAKING ALL OPGW OVERHEAD EARTHWIFE</li> <li>USE THE OFGW TEE OFF SPLICE BOX TERMINATION ARRANGEMENT WHEN BREAKING ALL OPGW OVERHEAD EARTHWIFE</li> <li>DOGU TEE OFF SPLICE BOX TERMINATION ARRANGEMENT WHEN BREAKING ALL OPGW OVERHEAD EARTHWIFE</li> <li>USE THE OFGW TEE OFF SPLICE BOX TERMINATION ARRANGEMENT WHEN BREAKING ALL OPGW OVERHEAD EARTHWIFE</li> <li>DOGU TEE OFF SPLICE BOX TERMINATION ARRANGEMENT WHEN BREAKING ALL OPGW OVERHEAD EARTHWIFE</li> <li>DOGU TEE OFF SPLICE BOX TERMINATION ARRANGEMENT WHEN BREAKING ALL OPGW OVERHEAD EARTHWIFE</li> <li>DOGU TEE STANDARD EARTHWIRE TEE OFF TERMINATION ARRANGEMENT WHEN ERECTING A NON OPGW OVERHEAD EARTHWIFE</li> <li>POLE STEPS SHOULD ONLY BE INSTALLED ON POLES WHERE ACCESS FOR NORMAL MAINTENANCE VEHICLES CANNOT THE LIFE OF THE POLE. IF POLE STEPS ARE INSTALLED, THEY ARE TO COMPLY WITH THE REQUIREMENTS OF NETWORK</li> <li>REFER TO DESIGNER SAFETY REPORT D22/272353 FOR ATYPICAL HAZARDS ASSOCIATED WITH THIS STANDARD CONSTI</li> </ol>				OR DRILLING HEAD EARTHWIRE GW OVERHEAD RES. ARTHWIRE. I BE MAINTAINED FOR K STANDARD NS128.		С
14	STEP - POLE, SCREW-IN (S	EE NOTE 20)				250144	A/R	1
14 13		,	NDUCTOR, MOUN	TING ARRANGEMENT (USE WITH	OPGW OHEW OPTIONS ONLY)		A/R 1	
13	OPGW - SPLICE BOX & COIL EARTHWIRE - TERMINATION	LED CABLE BRACKET, COM N, TEE OFF, OVERHEAD, M	OUNTING, ARRAN	IGEMENT -1 (SEE NOTES 18 & 19	,	565743 514147		D
	OPGW - SPLICE BOX & COIL EARTHWIRE - TERMINATION OPGW - TERMINATION, TEE	LED CABLE BRACKET, CON N, TEE OFF, OVERHEAD, M E OFF, CONDUCTOR, MOUN	OUNTING, ARRAN ITING, ARRANGEN	IGEMENT -1 (SEE NOTES 18 & 19 /IENT -1B (SEE NOTES 18 & 19)	,	565743 514147 251960		D
13	OPGW - SPLICE BOX & COIL EARTHWIRE - TERMINATION OPGW - TERMINATION, TEE OPGW - TERMINATION, TEE	LED CABLE BRACKET, CON N, TEE OFF, OVERHEAD, M E OFF, CONDUCTOR, MOUN E OFF, CONDUCTOR, MOUN	ounting, Arran Iting, Arrangen Iting, Arrangen	IGEMENT -1 (SEE NOTES 18 & 19 MENT -1B (SEE NOTES 18 & 19) MENT -1A (SEE NOTES 18 & 19)	,	565743 514147 251960 251960	1	D
13	OPGW - SPLICE BOX & COIL EARTHWIRE - TERMINATION OPGW - TERMINATION, TEE OPGW - TERMINATION, TEE JOINT - COMPRESSION, NO	LED CABLE BRACKET, CON N, TEE OFF, OVERHEAD, M E OFF, CONDUCTOR, MOUN E OFF, CONDUCTOR, MOUN ON TENSION (TO SUIT DUAL	ounting, Arran Iting, Arrangen Iting, Arrangen Conductors) (	IGEMENT -1 (SEE NOTES 18 & 19 MENT -1B (SEE NOTES 18 & 19) MENT -1A (SEE NOTES 18 & 19) SEE NOTES 13 & 18)	,	565743 514147 251960 251960 514053	1 1 6	D
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13	OPGW - SPLICE BOX & COIL EARTHWIRE - TERMINATION OPGW - TERMINATION, TEE OPGW - TERMINATION, TEE JOINT - COMPRESSION, NO JOINT - COMPRESSION, NO CLAMP - PARALLEL GROON	LED CABLE BRACKET, CON N, TEE OFF, OVERHEAD, M E OFF, CONDUCTOR, MOUN E OFF, CONDUCTOR, MOUN E OFF, CONDUCTOR, MOUN ON TENSION (TO SUIT DUAL ON TENSION (TO SUIT COND VE, 3 BOLT (TO SUIT DUAL	OUNTING, ARRAN ITING, ARRANGEN ITING, ARRANGEN CONDUCTORS) ( DUCTOR) (SEE NO CONDUCTORS) (S	IGEMENT -1 (SEE NOTES 18 & 19 MENT -1B (SEE NOTES 18 & 19) MENT -1A (SEE NOTES 18 & 19) SEE NOTES 13 & 18) TES 13 & 18) EE NOTE 18)	,	565743 514147 251960 251960 514053 514053 514099	1 1 6 3 6	
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13         12         11         10         9         8         7         6         5         4         3	OPGW - SPLICE BOX & COIL EARTHWIRE - TERMINATION OPGW - TERMINATION, TEE OPGW - TERMINATION, TEE JOINT - COMPRESSION, NO JOINT - COMPRESSION, NO CLAMP - PARALLEL GROON CLAMP - PARALLEL GROON CLAMP - PARALLEL GROON INSULATOR - LONGROD, 33 INSULATOR - LONGROD, 33 INSULATOR - LONGROD, 33 EARTHWIRE - OVERHEAD, I CROSSARM - MOUNTING AF TIE - CONDUCTOR, HIGH VC INSULATOR - 33kV, AERODY CROSSARM - MOUNTING AF FOOTING - TIMBER POLE, A	LED CABLE BRACKET, CON N, TEE OFF, OVERHEAD, M E OFF, CONDUCTOR, MOUN E OFF, CONDUCTOR, MOUN E OFF, CONDUCTOR, MOUN E OFF, CONDUCTOR, MOUN ON TENSION (TO SUIT DUAL ON TENS	OUNTING, ARRANGEN ITING, ARRANGEN ITING, ARRANGEN CONDUCTORS) ( CONDUCTORS) (S CONDUCTORS) (S CO	IGEMENT -1 (SEE NOTES 18 & 19 MENT -1B (SEE NOTES 18 & 19) MENT -1A (SEE NOTES 18 & 19) SEE NOTES 13 & 18) TES 13 & 18) EE NOTE 18) EE NOTE 18) S, ARRANGEMENT -2 (SEE NOTE (SEE NOTES 4 & 18) & BONDING , ARRANGEMENT -3 COMPOSITE FIBRE CROSSARM) DTE 14) SEE NOTE 16)	9) S 4 & 18) 3 (SEE NOTES 7 & 11) (SEE NOTE 17)	565743 514147 251960 251960 514053 514053 514099 250120 158754 514145 514176 514038 514006 514176 508726	1 1 6 3 6 3 9 2 1 2 m 2 1 2 m 2 1 1 1	
13         12         11         10         9         8         7         6         5         4         3         2	OPGW - SPLICE BOX & COIL EARTHWIRE - TERMINATION OPGW - TERMINATION, TEE OPGW - TERMINATION, TEE JOINT - COMPRESSION, NO JOINT - COMPRESSION, NO CLAMP - PARALLEL GROOV CLAMP - PARALLEL GROOV CLAMP - PARALLEL GROOV CLAMP - PARALLEL GROOV INSULATOR - LONGROD, 33 INSULATOR - LONGROD, 33 EARTHWIRE - OVERHEAD, I CROSSARM - MOUNTING AF TIE - CONDUCTOR, HIGH VC INSULATOR - 33kV, AERODY CROSSARM - MOUNTING AF FOOTING - TIMBER POLE, A EARTHING - ARRANGEMEN	LED CABLE BRACKET, CON N, TEE OFF, OVERHEAD, M E OFF, CONDUCTOR, MOUN E OFF, CONDUCTOR, MOUN E OFF, CONDUCTOR, MOUN E OFF, CONDUCTOR, MOUN ON TENSION (TO SUIT DUAL ON TENS	OUNTING, ARRANGEN ITING, ARRANGEN ITING, ARRANGEN CONDUCTORS) ( CONDUCTORS) (S CONDUCTORS) (S CO	IGEMENT -1 (SEE NOTES 18 & 19 MENT -1B (SEE NOTES 18 & 19) MENT -1A (SEE NOTES 18 & 19) SEE NOTES 13 & 18) TES 13 & 18) EE NOTE 18) EE NOTE 18) S, ARRANGEMENT -2 (SEE NOTE (SEE NOTES 4 & 18) & BONDING , ARRANGEMENT -3 OMPOSITE FIBRE CROSSARM) DTE 14) SEE NOTE 16) OMPOSITE FIBRE CROSSARM)	9) S 4 & 18) 3 (SEE NOTES 7 & 11) (SEE NOTE 17)	565743 514147 251960 251960 514053 514053 514099 250120 158754 514145 514176 514038 514006 514076 514176 508726 508786	1 1 6 3 6 3 9 2 1 2 m 2 1 2 m 2 1 1 1 1	
13 12 11 10 9 8 7 6 5 4 3 2 1 1 <b>ITEM</b>	OPGW - SPLICE BOX & COIL EARTHWIRE - TERMINATION OPGW - TERMINATION, TEE OPGW - TERMINATION, TEE JOINT - COMPRESSION, NO JOINT - COMPRESSION, NO CLAMP - PARALLEL GROOV CLAMP - PARALLEL GROOV CLAMP - PARALLEL GROOV CLAMP - PARALLEL GROOV INSULATOR - LONGROD, 33 INSULATOR - LONGROD, 33 EARTHWIRE - OVERHEAD, I CROSSARM - MOUNTING AF TIE - CONDUCTOR, HIGH VC INSULATOR - 33kV, AERODY CROSSARM - MOUNTING AF FOOTING - TIMBER POLE, A EARTHING - ARRANGEMEN	LED CABLE BRACKET, CON N, TEE OFF, OVERHEAD, M E OFF, CONDUCTOR, MOUN E OFF, CONDUCTOR, MOUN E OFF, CONDUCTOR, MOUN DN TENSION (TO SUIT DUAL DN TENSION (TO SUIT DUAL DN TENSION (TO SUIT DUAL DN TENSION (TO SUIT DUAL C, 3 BOLT (TO SUIT DUAL KV, DUAL CONDUCTOR, PC KV, POLYMERIC STRING, A DOWN LEAD, POLE HARDV RRANGEMENT -2 (GALVAN DLTAGE, SUPPORT ARRAN VNAMIC, (33/920) AND PIN / RRANGEMENT -3 (GALVAN ARRANGEMENT -3 (GALVAN ARRANGEMENT (SEE NOTE T, TIMBER POLE STRUCTU RED) SCALE DESIGNED DRAWN PE CHECKED APPROVED DATE PROJECT NUMBER	OUNTING, ARRANGEN ITING, ARRANGEN ITING, ARRANGEN CONDUCTORS) (S CONDUCTORS) (S E CONDUCTORS) (S E CONDUCTOR	IGEMENT -1 (SEE NOTES 18 & 19 MENT -1B (SEE NOTES 18 & 19) MENT -1A (SEE NOTES 18 & 19) SEE NOTES 13 & 18) TES 13 & 18) EE NOTE 18) EE NOTE 18) S, ARRANGEMENT -2 (SEE NOTE (SEE NOTES 4 & 18) & BONDING , ARRANGEMENT -2 (SEE NOTE 16) OMPOSITE FIBRE CROSSARM) DTE 14) SEE NOTE 16) OMPOSITE FIBRE CROSSARM) OTE 14) SEE NOTE 16) OMPOSITE FIBRE CROSSARM) ION ION ION ION STANDARD CON 33k V THROUGH TEE - OFF CONST OVERHEAD EAR 4 - 17E SIZE   DRAWING No	9) S 4 & 18) 3 (SEE NOTES 7 & 11) (SEE NOTE 17) (SEE NOTE 17) (SEE NOTE 17) I TERMINATION I TERMINATION I TERMINATION I TERMINATION I TERMINATION I TERMINATION I TERMINATION	565743 514147 251960 251960 514053 514053 514099 250120 158754 514145 514176 514176 514006 514176 514176 508726 508786 513988	1 1 6 3 6 3 9 2 1 2 1 2 m 2 1 1 1 1 1 1 1 <b>QTY</b>	
13 12 11 10 9 8 7 6 5 4 3 2 1 <b>ITEM</b> 145 NEWCAS	OPGW - SPLICE BOX & COIL EARTHWIRE - TERMINATION OPGW - TERMINATION, TEE OPGW - TERMINATION, TEE JOINT - COMPRESSION, NO JOINT - COMPRESSION, NO CLAMP - PARALLEL GROOV CLAMP - PARALLEL GROOV CLAMP - PARALLEL GROOV INSULATOR - LONGROD, 33 INSULATOR - LONGROD, 33 EARTHWIRE - OVERHEAD, I CROSSARM - MOUNTING AF TIE - CONDUCTOR, HIGH VC INSULATOR - 33kV, AERODY CROSSARM - MOUNTING AF FOOTING - TIMBER POLE, A EARTHING - ARRANGEMEN POLE - TIMBER (AS REQUIF NETWORK STANDARD	LED CABLE BRACKET, CON N, TEE OFF, OVERHEAD, M E OFF, CONDUCTOR, MOUN E OFF, CONDUCTOR, MOUN DN TENSION (TO SUIT DUAL DN TENSION (TO SUIT DUAL DN TENSION (TO SUIT DUAL DN TENSION (TO SUIT DUAL CARAGEMENT (TO SUIT DUAL KV, DUAL CONDUCTOR, PC KV, POLYMERIC STRING, A DOWN LEAD, POLE HARDV RRANGEMENT -2 (GALVANI DLTAGE, SUPPORT ARRANI YNAMIC, (33/920) AND PIN A RRANGEMENT -3 (GALVANI ARRANGEMENT -3 (GALVANI ARRANGEMENT (SEE NOTE T, TIMBER POLE STRUCTU RED) SCALE DESIGNED DRAWN PE CHECKED APPROVED DATE PROJECT	OUNTING, ARRANGEN ITING, ARRANGEN ITING, ARRANGEN CONDUCTORS) (S CONDUCTORS) (S E CONDUCTORS) (S E CONDUCTOR	IGEMENT -1 (SEE NOTES 18 & 19 MENT -1B (SEE NOTES 18 & 19) MENT -1A (SEE NOTES 18 & 19) SEE NOTES 13 & 18) TES 13 & 18) EE NOTE 18) EE NOTE 18) S, ARRANGEMENT -2 (SEE NOTE (SEE NOTES 4 & 18) & BONDING , ARRANGEMENT -3 OMPOSITE FIBRE CROSSARM) DTE 14) SEE NOTE 16) OMPOSITE FIBRE CROSSARM) ION ION STANDARD CON 33k V THROUGH TEE - OFF CONST OVERHEAD EAR 4 - 17E	9) S 4 & 18) 3 (SEE NOTES 7 & 11) (SEE NOTE 17) (SEE NOTE 17)	565743 514147 251960 251960 514053 514053 514099 250120 158754 514145 514145 514176 51406 514176 508726 508786 513988 <b>DRG. No</b>	1 1 6 3 6 3 9 2 1 2 1 2 1 2 1 1 1 1 1 1 <b>QTY</b>	