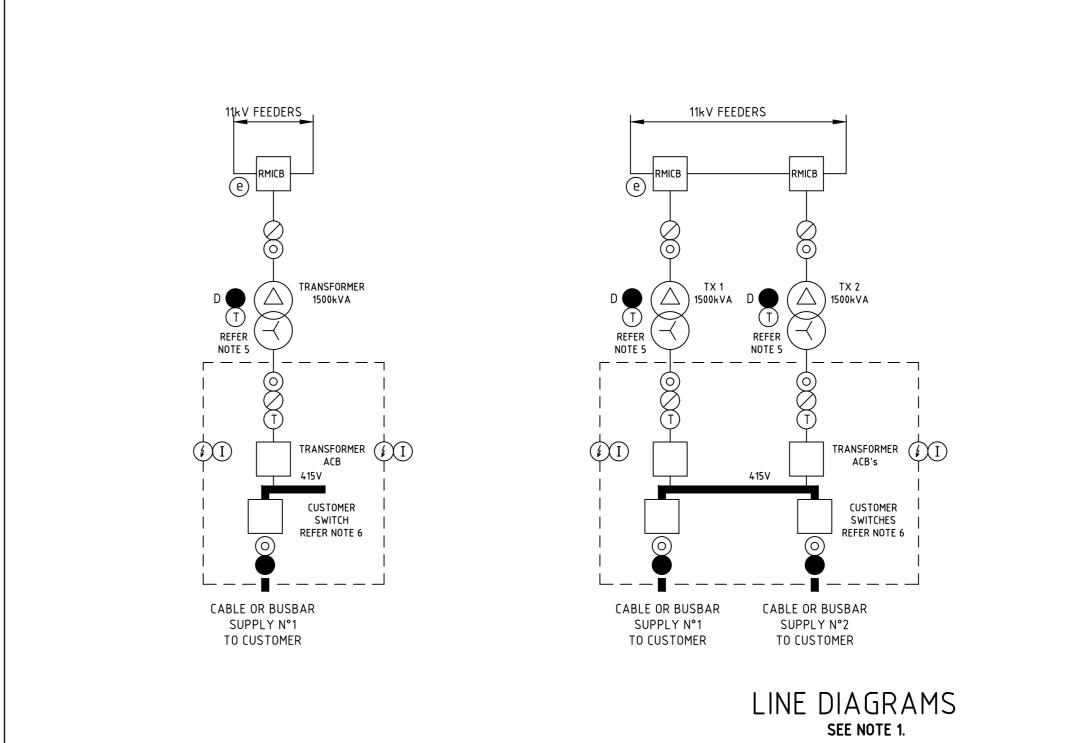


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NOTES:

1. THIS DRAWING SHOWS THE AC PROTECTIO PACKAGE. SEE DRAWING 178227 FOR ACCEPT

2. FOR AN UPPER LEVEL SUBSTATION THE F RMICB TRIP COIL.

3. THE AC SCHEMATIC SHOWS THE STANDAR

4. THE 'B' END OF A LINK OR FUSE SHOWN T

5. WHEN A DRY TYPE TRANSFORMER IS USED LOCATED ON THE TRANSFORMER PROTECTION

6. FOR A CUSTOMER CABLE SUPPLY, THE CUS THESE INSTALLATIONS, AN OVERCURRENT C 7. THIS AC SCHEMATIC SHOWS TRANSFORMER NAMING AND WIRE JUMPERING. THIS WILL BE I

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		LV OC&EF-A		SIEMENS
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		TL	\bigcirc	EUGAQUIP
TL-2 ~	OVERCURRENT & EARTH FAULT RELAY CT TEST LINKS	VTT		MULTI CONNECT
TL-3 ~	OVERCURRENT & EARTH FAULT RELAY DELTA TEST LINKS			(RS COMPONEN
TL-5 ~	TRANSFORMER & ARC FLASH RELAY TEST LINKS			
TL-6 ~	TRANSFORMER PROTECTION HV CT TEST LINKS			
TL-7 ~	EARTH FAULT CT TEST LINKS	X6, X7	0	UTILUX
		X8	0	UTILUX
AC TEST LIN	IK FUNCTION TABLE FOR TRANSFORMER PROTECTION PANELS			
		 LEGEND		

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REFER NOTE 5		- <u>-</u>					— —			
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	415V	TRANSFORMER ACB's	(I)			415V				
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TO CUS		CUSTOMER		TO CUSTOMEF	2	TO CUSTOMER				
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IN A DY1	ARRANGEMENT. F	OR A DY1 TRANSFOF	RMER CONNECTED IN	N A DY11 ARRANGEMENT, US	SE INSETS 1 & 2.					
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DICATON	ARE TO DE CONNEC	TED. THE THENHAL								
				THE CUSTOMER SWITCH CAN	N BE AN AIR CIRCUIT BREAI	KER, A DISCONNECTO	R OR A LINK	IN ALL OF		
				ILL TRIP ALL THE TRANSFO	ORMER HV RMICB'S & LV AI	R CIRCUIT BREAKERS.				
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ALLED ON SITE RELEVANT T ST LINKS A TEST LINKS INKS KS CTION PANELS CTION PANELS	TITLE TITLE RMICB SUBSTATION RMICB SUBSTATION	TAGNAME C-OC Th DIFF EB LV OC&EF-A TXP-B TL O VTT X6, X7 O X8 O LEGEND	MFG SIEMENS - - - - - SIEMENS SCHWEITZER EUGAQUIP MULTI CONNECT (RS COMPONENTS) UTILUX UTILUX UTILUX UTILUX UTILUX UTILUX UTILUX UTILUX UTILUX UTILUX UTILUX COMPONENTS) SCHEMATIC WITH RANSFORMER DC S JSTOMER OVERCUE SUPPLY CABLE LO TH OPTICAL ARC FE CANSFORMER PRO RANSFORMER PRO RANSFORMER PRO RANSFORMER PRO RANSFORMER PRO RANSFORMER PRO CANSFORMER PRO ANSFORMER PRO STOMER OVERCUE JSTOMER OVERCUE ANSFORMER PRO ANSFORMER PRO A	S ARE INSTALLED, LO CATNO CATNO 7SR4504-2HB20-1AA0 - K3M EARTH BAR 7SR4504-2HB20-1AA0 SEL-751A MOULDED TYPE M5 SLB4-G 3820 H2238 3820 H2238 3820 H2238 3820 H2238 CATNO SLB4-G 3820 H2238 CATNO SLB4-G CHEMATIC WITH OPTIC RENT DC SCHEMATIC OPTICAL ARC FLASH I SCHEMATIC WITH OPTIC RENT DC SCHEMATIC OPTING AND SCADA SC CLASH DETECTION FIBP PROTN PANEL WITH OPTIC RENT VALL MOUNTE RRENT WALL MOUNTE RRENT WALL MOUNTE RRENT WALL MOUNTE RRENT WIRING DIAGR. DETECTION PANEL STYLE TECTION PANEL STYLE RRENT WALL MOUNTE RRENT WALL MOUNTE RRENT WIRING DIAGR. DETECTION CABL STATES - L.MARTINUZZI B.HAINES	W VOLTAGE BUSBAR CO DESC OVERCURRENT & EARTH F. THERMAL RELAY (SEE NOT DIFFERENTIAL FUSE RELAN EARTH BAR - OVERCURRENT & EARTH F. TRANSFORMER PROTECTIO BATTERY/TEST LINK INSULATED TEST PANEL S 1 × RED 123.3020.23 (404-2) 1 × BLUE 23.3020.23 (404-2) 1 × BLUE 23.3020.23 (404-2) 1 × BLUE 23.3020.23 (404-2) 1 × BLUE 23.3020.21 (404) RAIL MOUNTED TERMINAL RAIL MOUNTED TERMINAL RAIL MOUNTED TERMINAL RAIL MOUNTED TERMINAL RAIL MOUNTED TERMINAL RAIL MOUNTED TERMINAL RAIL MOUNTED TERMINAL CAL ARC FLASH DETECTION CAL ARC STYLE 1 LAYO TICAL AFD STYLE 1 LAYO 1 WIRING DIAGRAM E LOOPING AND GENER PTICAL AFD STYLE 2 LAYO 2 WIRING DIAGRAM E 2 CABLE CONNECTION D PROTN PANEL LAYOUT AM DN PANEL SCHEMATIC DF ING DIAGRAM E SCHEDULE /A TRANSFORMERS SER NACTIONS FOR AFD DIS DA PANEL WIRING AND C.	NFIGURATION AND CUST AULT RELAY AULT RELAY AULT RELAY AULT RELAY AULT RELAY AULT RELAY AULT RELAY AULT RELAY AULT RELAY OCKETS 44) -250) 216) -200) - ORANGE ON - ORANGE ON AL MOUNTING DETAILS DIAGRAM DUT AND LABEL DETAILS II DIAGRAM DUT AND LABEL DETAILS II DIAGRAM CAND LABEL DETAILS II ALLING AND WIRING DIAG VICE BOARD GEN. ARRAN T. SUBSTATIONS ABLING DETAILS WITH E TYPE AC SCHEI	REF_DWG - - 113243 - 222614 507111 231226 118547 - 118547 - 01AGRAM DIAGRAM GRAM AGRAM MATION V BOA MATIC	DWG No. 227350-1 227350-2 227350-2 227350-3 227350-4 227350-2 227350-3 227351-3 227351-3 227351-3 227352-3 227352-3 227352-3 227352-3 227353-1 227352-3 227353-1 227353-1 227353-1 227353-1 227353-1 227353-1 227355-1 227354-1 227355-1 227355-1 227355-1 227355-1 227355-1 227355-1 227355-1 227355-1 227355-1 227355-1 227358-1 125190-1
ALLED ON SITE RELEVANT T ST LINKS A TEST LINKS INKS KS CTION PANELS CTION PANELS	TITLE TITLE RMICB SUBSTATION CONFI	TAGNAME C-OC Th DIFF EB TL O VTT X6, X7 O VTT X6, X7 O X8 O LEGEND	MFG SIEMENS - - - SIEMENS SCHWEITZER EUGAQUIP MULTI CONNECT (RS COMPONENTS) UTILUX	S ARE INSTALLED, LO CATNO CATNO CATNO 7SR4504-2HB20-1AA0 K3M EARTH BAR 7SR4504-2HB20-1AA0 SEL-751A MOULDED TYPE M5 SLB4-G 3820 H2238 3820 H2238 3820 H2238 3820 H2238 3820 H2238 3820 H2238 AU AU COPTICAL ARC FLASH I SLB4-G AU AU AU AU AU AU AU AU AU A	W VOLTAGE BUSBAR CO DESC OVERCURRENT & EARTH F. THERMAL RELAY (SEE NOT DIFFERENTIAL FUSE RELAN EARTH BAR - OVERCURRENT & EARTH F. TRANSFORMER PROTECTIO BATTERY/TEST LINK INSULATED TEST PANEL S 1 × RED 123.3020.23 (404-2) 1 × BLUE 23.3020.23 (404-2) 1 × BLUE 23.3020.23 (404-2) 1 × BLUE 23.3020.23 (404-2) 1 × BLUE 23.3020.21 (404) RAIL MOUNTED TERMINAL RAIL MOUNTED TERMINAL RAIL MOUNTED TERMINAL RAIL MOUNTED TERMINAL RAIL MOUNTED TERMINAL RAIL MOUNTED TERMINAL RAIL MOUNTED TERMINAL CAL ARC FLASH DETECTION CAL ARC STYLE 1 LAYO TICAL AFD STYLE 1 LAYO 1 WIRING DIAGRAM E LOOPING AND GENER PTICAL AFD STYLE 2 LAYO 2 WIRING DIAGRAM E 2 CABLE CONNECTION D PROTN PANEL LAYOUT AM DN PANEL SCHEMATIC DF ING DIAGRAM E SCHEDULE /A TRANSFORMERS SER NACTIONS FOR AFD DIS DA PANEL WIRING AND C.	NFIGURATION AND CUST AULT RELAY AULT RELAY AULT RELAY NRELAY OCKETS 44) -250) 216) -200) -0RANGE ON -0RANGE ON AL MOUNTING DETAILS DUT AND LABEL DETAILS I DIAGRAM DUT AND LABEL DETAILS I DIAGRAM CUT AND LABEL DETAILS I DIAGRAM T AND LABEL DETAILS I DIAGRAM CUT AND LABEL DETAILS I DIAGRAM T SUBSTATIONS ABLING DETAILS OUT AND LABEL DETAILS I DIAGRAM T SUBSTATIONS ABLING DETAILS	REF_DWG - - 113243 - 222614 507111 231226 118547 - 118547 - 01AGRAM DIAGRAM GRAM AGRAM MATION V BOA MATIC	DWG No. 227350-1 227350-2 227350-2 227350-3 227350-4 227350-2 227350-3 227351-3 227351-3 227351-3 227352-3 227352-3 227352-3 227352-3 227353-1 227352-3 227353-1 227353-1 227353-1 227353-1 227353-1 227353-1 227355-1 227354-1 227355-1 227355-1 227355-1 227355-1 227355-1 227355-1 227355-1 227355-1 227355-1 227355-1 227358-1 125190-1
	TITLE TITLE RMICB SUBSTATION RMICB SUBSTATION	TAGNAME C-OC Th DIFF EB LV OC&EF-A TXP-B TL O VTT X6, X7 O X8 O LEGEND	MFG SIEMENS - - - SIEMENS SCHWEITZER EUGAQUIP MULTI CONNECT (RS COMPONENTS) UTILUX UTILUX UTILUX UTILUX UTILUX UTILUX UTILUX UTILUX UTILUX COMPONENTS) UTILUX UTI	S ARE INSTALLED, LO CATNO CATNO 7SR4504-2HB20-1AA0 - K3M EARTH BAR 7SR4504-2HB20-1AA0 SEL-751A MOULDED TYPE M5 SLB4-G 3820 H2238 3820 H2238 3820 H2238 3820 H2238 AU COPTICAL ARC FLASH I SCHEMATIC WITH OPTIC RRENT DC SCHEMATIC COPING AND SCADA SI CASH DETECTION FIBF PROTN PANEL WITH OF TECTION PANEL STYLE TECTION PANEL STYLE RRENT WALL MOUNTE RRENT WIRING DIAGRI DETECTION PANEL STYLE RRENT WIRING DIAGRI DETECTION SCAD NTS - L.MARTINUZZI B.HAINES A.TURNER	DESC OVERCURRENT & EARTH F, THERMAL RELAY (SEE NOT DIFFERENTIAL FUSE RELAY EARTH BAR - OVERCURRENT & EARTH F, TRANSFORMER PROTECTIO BATTERY/TEST LINK INSULATED TEST PANEL S 1 × RED 23.3020.22 (404-2) 1 × BLIE 23.3020.23 (404- 1 × BLIE 23.3020.23 (404- 2 × WIRING DIAGRAM E 2 CABLE CONNECTION I D PROTN PANEL SCHEMATIC DF ING DIAGRAM E SCHEDULE VITH (WITH (NFIGURATION AND CUST AULT RELAY AULT RELAY AULT RELAY AULT RELAY AULT RELAY AULT RELAY AULT RELAY AULT RELAY AULT RELAY OCKETS 44) -250) 216) -200) - ORANGE ON - ORANGE ON AL MOUNTING DETAILS DIAGRAM DUT AND LABEL DETAILS II DIAGRAM DUT AND LABEL DETAILS II DIAGRAM CAND LABEL DETAILS II ALLING AND WIRING DIAG VICE BOARD GEN. ARRAN T. SUBSTATIONS ABLING DETAILS WITH E TYPE AC SCHEI	REF_DWG - - 113243 - 222614 507111 231226 118547 - 118547 - 118547 - 01AGRAM DIAGRAM GEMENT AND AM -	DWG No. 227350-1 227350-2 227350-2 227350-3 227350-4 227350-2 227350-3 227351-3 227351-3 227351-3 227352-3 227352-3 227352-3 227352-3 227353-1 227352-3 227353-1 227353-1 227353-1 227353-1 227353-1 227353-1 227355-1 227354-1 227355-1 227355-1 227355-1 227355-1 227355-1 227355-1 227355-1 227355-1 227355-1 227355-1 227358-1 125190-1

LINK No.	LINK FUNCTION
TL-1 ~	CUSTOMER OVERCURRENT & EARTH FAULT No.1 CT TEST LINKS
TL-1 ~	CUSTOMER OVERCURRENT & EARTH FAULT No.2 CT TEST LINKS
AC TEST LIN	IK FUNCTION TABLE FOR CUSTOMER OVERCURRENT & EARTH FAULT PANELS

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