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9-2-72 C. M. K. W. J. SUPERVISOR OF MANAGER

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REVISED CONTACT DESCRIPTIONS (PAGE 313)			S/U DESIG (2-PBA)		
CONTACTS	DESCRIPTIONS	REF DWG	CONTACTS	DESCRIPTIONS	REF DWG
1-1-2	BUS 2A05 UNDERVOLTAGE RELAY 127X-2/2A05001	E-106	1-1-2	BUS 2A05 UNDERVOLTAGE RELAY 127X-2/2A05001	E-106
5-1-6	TRIP SERVICE WATER PUMP OP-75C BKR 152-03	E-205	5-1-6	TRIP SERVICE WATER PUMP OP-75C BKR 152-03	E-205
7-1-8	TRIP COMP CLG WTR PUMP 2P-73A BKR 152-10	E-78	7-1-8	TRIP COMP CLG WTR PUMP 2P-73A BKR 152-10	E-78
9-1-10	PERMIT AUTO CLOSE DSL GEN 2G12 BKR 152-02	E-249	9-1-10	PERMIT AUTO CLOSE DSL GEN 2G12 BKR 152-02	E-249
11-1-12	TRIP DECAY HT REMOVAL PUMP 2P-80A BKR 152-07	E-231	11-1-12	TRIP DECAY HT REMOVAL PUMP 2P-80A BKR 152-07	E-231
13-1-14	TRIP MAKE UP PUMP 2P-58A BKR 152-12	E-76	13-1-14	TRIP MAKE UP PUMP 2P-58A BKR 152-12	E-76
15-1-16	SPARE		15-1-16	SPARE	
1-1-2	TRIP ST. XEN 2X15 BKR 152-05	E-187	1-1-2	TRIP ST. XEN 2X15 BKR 152-05	E-187
5-1-6	BUS 2A05 UNDERVOLTAGE RELAY 127X-1/2A05001	E-206	5-1-6	BUS 2A05 UNDERVOLTAGE RELAY 127X-1/2A05001	E-206
7-1-8	TRIP SERVICE WATER PUMP OP-75C BKR 152-04	E-154	7-1-8	TRIP SERVICE WATER PUMP OP-75C BKR 152-04	E-154
9-1-10	TRIP COMP CLG WTR PUMP 2P-73 BKR 152-07	E-77	9-1-10	TRIP COMP CLG WTR PUMP 2P-73 BKR 152-07	E-77
11-1-12	TRIP AUX FORTH PUMP 2P-05A BKR 152-06	E-232	11-1-12	TRIP AUX FORTH PUMP 2P-05A BKR 152-06	E-232
13-1-14	TRIP BUS 2A05 INCM BKR 152-01	E-375	13-1-14	TRIP BUS 2A05 INCM BKR 152-01	E-375
15-1-16	TRIP MAKE UP PUMP 2P-58C BKR 152-11	E-78	15-1-16	TRIP MAKE UP PUMP 2P-58C BKR 152-11	E-78
1-1-2	INITIATE LUP SEQUENCE UNIT 2 START DSL GEN 2G11		1-1-2	INITIATE LUP SEQUENCE UNIT 2 START DSL GEN 2G11	
5-1-6	ALARM DSL GEN 2G11		5-1-6	ALARM DSL GEN 2G11	
7-1-8	BKR FAIL TO CLOSE		7-1-8	BKR FAIL TO CLOSE	
9-1-10	BUS 2A05 UNDERVOLTAGE RELAY 127X-2/2A05001	E-187	9-1-10	BUS 2A05 UNDERVOLTAGE RELAY 127X-2/2A05001	E-187
11-1-12	BLOCK AUTO CLOSING OF SERVICE WATER PUMP OP-75C BKR 152-04	E-206	11-1-12	BLOCK AUTO CLOSING OF SERVICE WATER PUMP OP-75C BKR 152-04	E-206
13-1-14	BLOCK AUTO CLOSING OF COMP CL WATER PUMP OP-73 BKR 152-07	E-478	13-1-14	BLOCK AUTO CLOSING OF COMP CL WATER PUMP OP-73 BKR 152-07	E-478
15-1-16	AUX BLOC CHILLER 2VM-59A	SH-5	15-1-16	AUX BLOC CHILLER 2VM-59A	SH-5
1-1-2	PERMISSIVE	E-98	1-1-2	PERMISSIVE	E-98
5-1-6	TRIP MCC BKR 52-25 BAY	E-186	5-1-6	TRIP MCC BKR 52-25 BAY	E-186
7-1-8	CHG 2035	E-205	7-1-8	CHG 2035	E-205
9-1-10	BLOCK AUTO CLOSING OF SERVICE WATER PUMP OP-75C BKR 152-03		9-1-10	BLOCK AUTO CLOSING OF SERVICE WATER PUMP OP-75C BKR 152-03	
11-1-12	BLOCK AUTO CLOSING OF COMP CL WATER PUMP 2P-73A BKR 152-10		11-1-12	BLOCK AUTO CLOSING OF COMP CL WATER PUMP 2P-73A BKR 152-10	
13-1-14	ALARM	THIS DWG	13-1-14	ALARM	THIS DWG

NOTES:
1. ALL "b" CONTACTS ARE FIELD CONVERTED FROM "a" CONTACTS.
IDCN # 23047

BECHTEL ANN ARBOR, MICHIGAN			
MIDLAND PLANT UNITS 1 & 2 CONSUMERS POWER COMPANY			
SCHEMATIC DIAGRAM 6.9 KV & 4.16 KV BUS UNDERVOLTAGE & LOAD SHEDDING			
JOB NO.	DATE	REV.	
7220	E-75 SH 7	5	

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CARD

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