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DESCRIPTION	VOLTAGE	LOAD (KW)	REFERENCE DWG NO.	CONTACTS			CONTACT ACTUATION (NOTE 3 & 4)						LOAD ACTUATION (SEE NOTE 4)			REMARKS
				NAME	TYPE	RELAY	SHEDDING			SEQUENCING			BUY	LOP	LOCA	
							BUY	LOP	LOCA	BUY	LOP	LOCA				
COMPONENT COOLING WATER PMP B NIP42C001B-B	480	81	E-1225-03 E-1225-03	S.O (6) ESF SHED	M-NC P-NO	XK31, R2-M2 XK14, T1-M1	X	X	X	20	-	-	20	-	-	LOCKED OUT ON LOCA
IP41 SSW CONTROL CKT B	125	-	E-1225-02 E-1225-02	LOP LOCA	M-NC M-NC	XK15, R1-M1 XK5, R2-M2	-	X	-	-	-	-	-	-	-	
FUEL POOL COOLING PMP B Q1641C001B-B	480	124	E-1207-14	ESF SHED	P-NO	XK13, T2-M2	X	X	X	-	-	-	-	-	-	
1E61 CTMT & DRWL PURGE CONT	125	-	E-1186-09	LOCA	M-NC	XK5, R3-M3	-	-	X	-	-	-	-	-	-	
1M71 CTMT & DRWL ISOL SIS B ANN	125	-	E-1219-04	BUY	M-NC	XK2, R3-M3	X	-	-	-	-	-	-	-	-	
1R21 INC BRKR 152-1601 ESF BUS 16AB	4160	-	E-1103-05	TRIP INC BRKR	P-NO	XK1, T1-M1	X	-	-	-	-	-	-	-	-	
1R21 INC BRKR 152-1614 ESF BUS 16AB	4160	-	E-1109-06	TRIP INC BRKR	P-NO	XK1, T2-M2	X	-	-	-	-	-	-	-	-	
BAT CHARGER 1L4 FDR 52-16106 NIL51S005A-E	480	55	E-1118-02 E-1118-02	SEQ (6) ESF SHED	P-NO P-NO	XK32, T1-M1 XK14, T2-M2	-	-	X	20	20	-	20	20	-	
BAT CHARGER 1L5 FDR 52-16205 NIL51S005B-E	480	55	E-1118-02 E-1118-02	SEQ (6) ESF SHED	P-NO P-NO	XK32, T4-M4 XK14, T3-M3	X	X	X	20	20	-	20	20	-	
1R21 INC BRKR 152-1611 (ESF BUS 16AB)	4160	-	E-1109-07	TRIP INC BRKR	P-NO	XK1, T3-M3	X	-	-	-	-	-	-	-	-	
1R21 INC FDR BRKR 52-16405 (MCC 16B42)	480	-	E-1116-12 E-1116-12 E-1116-12	SEQ (5) LOCA ESF SHED	P-NO M-NC P-NO	XK30, T1-M1 XK5, R1-M1 XK9, T2-M2	-	-	-	15	15	20	15	15	-	
1R21 DG BRKR 152-1608	4160	-	E-1109-24 E-1109-24 E-1109-24	CLOSE DG BRKR ESF SHED LOCA	M-NO P-NO M-NC	XK16, T1-M1 XK10, T2-M2 XK4, R1-M1	-	-	X	X	-	-	-	-	-	CLOSE PERMISSIVE ON BUY AND LOP
1R22 BOP BUS 12HE INC BRKR 252-1201	6900	-	E-1107-03	BOP BUS INC TRIP	P-NO	XK61, T3-M3	-	-	-	-	-	-	-	-	-	
1R22 BOP BUS 11HD INC BRKR 252-1101	6900	-	E-1107-01	BOP BUS INC TRIP	P-NO	XK61, T1-M1	-	-	X	-	-	-	-	-	-	
1R22 BOP BUS 12HE INC BRKR 252-1208	6900	-	E-1107-04	BOP BUS INC TRIP	P-NO	XK61, T4-M4	-	-	-	-	-	-	-	-	-	BREAKERS TRIP ON LOCA IN CONJUNCTION WITH 80% BUS VOLTAGE
1R22 BOP BUS 11HD INC BRKR 252-1108	6900	-	E-1107-02	BOP BUS INC TRIP	P-NO	XK61, T2-M2	-	-	-	-	-	-	-	-	-	
1R21 BOP BUS 14AE INC BRKR 152-1402	4160	-	E-1108-03	BOP BUS INC TRIP	P-NO	XK62, T3-M3	-	-	-	-	-	-	-	-	-	
1R21 BOP BUS 13AD INC BRKR 152-1302	4160	-	E-1108-01	BOP BUS INC TRIP	P-NO	XK62, T1-M1	-	-	X	-	-	-	-	-	-	
1R21 BOP BUS 14AE INC BRKR 152-1415	4160	-	E-1108-04	BOP BUS INC TRIP	P-NO	XK62, T4-M4	-	-	-	-	-	-	-	-	-	
1R21 BOP BUS 13AD INC BRKR 152-1315	4160	-	E-1108-02	BOP BUS INC TRIP	P-NO	XK62, T2-M2	-	-	-	-	-	-	-	-	-	
1P75 EMERGENCY DIESEL GENERATOR	4160	-	E-1111-12 E-1111-13 E-1111-13 E-1111-12 E-1111-19	LOCA LOCA BUY BUY SEQ (5)	M-NO M-NO M-NO M-NO M-NO	XK4, T2-M2 XK4, T3-M3 XK2, T2-M2 XK2, T1-M1 XK29, T1-M1	-	-	X	-	-	-	-	-	-	
HEAT EXCHANGE ISOL VLV NIP44F115	120	-	E-1228-03	LOP*	M-NC	XK58, R2-M2	-	X	-	-	-	-	-	-	-	
INPUT TO TRANSIENT TEST SYS	-	-	E-1197-16	LOP	M-NC	XK15, R4-M4	-	X	-	-	-	-	-	-	-	
HEAT EXCHANGE ISOL VLV NIP44F011	120	-	E-1228-03	LOP*	M-NC	XK58, R1-M1	-	X	-	-	-	-	-	-	-	
SERVICE AIR COMP OUTLET VLV NIP44F173	120	-	E-1228-26	LOP*	M-NC	XK58, R3-M3	-	X	-	-	-	-	-	-	-	

FOR NOTES AND REFERENCE DRAWINGS
SEE E-1120-01

TURNED OVER TO MP&L
FOR DESIGN CONTROL.
SYSTEM L21

PRC
APERTURE
CARD

Q

R21-1

REVD AS NOTED / SWC	BY	CHKD	DATE	REVISION
REVD AS NOTED / SWC	BY	CHKD	DATE	REVISION
REVD AS NOTED / SWC	BY	CHKD	DATE	REVISION
REVISOR / REDRAWN	BY	CHKD	DATE	REVISION
ISSUED FOR CONSTRUCTION	BY	CHKD	DATE	REVISION

SCALE: DESIGNED BY: DRAWN BY: CHECKED BY: DATE: 5/7/82

BECHTEL
GAITHERSBURG, MARYLAND

MISSISSIPPI POWER & LIGHT COMPANY
GRAND GULF NUCLEAR STATION
UNIT 1, LOOP 2

SYMBOLIC DIAGRAM
R21 LOAD SHEDDING & SEQUENCING SYS
LSS TABLE 2 1H22-P332 (DIV 2) PART 2
UNIT 1

SU SCOPE DATE 5-7-82 INITIAL [initials] MPL NO. 1R211125E JOB NO. 9645 DRAWING NO. E-1120-04 REV. 9

I certify that the image contained on this frame was made in the normal and regular course of business, on the date stated below and that it is an accurate reproduction of the document(s) submitted to Micrographics.
DATE 1/12/83 OPERATOR Mark Bernard SUPERVISOR L. R. [initials]

16X

8307180350

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66 11

66 58

8.5"

11"

17"

RIDS

8307180350

