

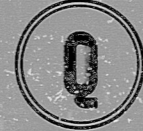
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DESCRIPTION	VOLTAGE	LOAD (KW)	REFERENCE DWG NO.	CONTACTS			CONTACT ACTUATION (NOTE 3 & 4)						LOAD ACTUATION (SEE NOTE 4)			REMARKS	
				NAME	TYPE	RELAY	SHEDDING			SEQUENCING			BUY	LOP	LOCA		
							BUY	LOP	LOCA	BUY	LOP	LOCA					
RHR PUMP C Q1E12C002A-B	4160	803	E-1181-45 E-1181-45	SEQ (1) ESF SHED	P-NO P-NO	XK18, T1-M1 XK11, T2-M2	-	-	-	0	0	0	0	0	0		
DG AUX LUBE OIL PUMP B Q1P75C007B-B	480	49	E-1111-10 E-1111-10	SEQ (1) ESF SHED	M-NC P-NO	XK17, R4-M4 XK9, T3-M3	X	X	X	0	0	0	0	0	0		
RHR PUMP B Q1E12C002B-B	4160	803	E-1181-68 E-1181-44 E-1181-44	SEQ (1) ESF SHED SEQ (2)	M-NC P-NO M-NC	XK17, R2-M2 XK11, T3-M3 XK19, R2-M2	X	X	X	0	0	0	0	0	5	A 5 SEC T.D. BY G.F.	
ENCLOSURE BLDG RECIRC FAN B Q1T48C001B-B	480	60	E-1257-07 E-1257-07	SEQ (2) ESF SHED	M-NC P-NO	XK19, R1-M1 XK9, T4-M4	X	X	X	0	0	5	0	0	5		
SSW PUMP B Q1P41C001B-B	4160	639	E-1225-03 E-1225-03	SEQ (3) ESF SHED	M-NC P-NO	XK21, R1-M1 XK10, T1-M1	X	X	X	5	5	10	5	5	10		
CONTROL ROD DRIVE PUMP B NIC11C001B-B	4160	325	E-1168-02	ESF SHED	P-NO	XK12, T2-M2	X	X	Y	-	-	-	-	-	-	MANUALLY STARTED	
INSTRUMENT AIR CPRSR N1P53C001-B	4160	230	E-1229-01 E-1229-01	SEQ (6) ESF SHED	M-NO P-NO	XK31, T3-M3 XK12, T1-M1	X	X	X	20	20	-	20	20	-	LOCKED OUT ON LOCA	
SAFEGUARD SWGR & BATT. RM. HTR. UNIT B	Q1Z77B001B-B	480	125	E-1267-05	SEQ (4)	M-NC	XK25, R1-M1	X	X	X	10	10	15	10	10	15	
	Q2Z77B001B-B	480	125	E-1267-05	SEQ (4)	M-NC	XK26, R1-M1	X	X	X	10	10	15	10	10	15	
SSW COOLING TOWER FAN C Q1P41C003C-B	480	122	E-1225-04 E-1225-04	SEQ (4) ESF SHED	M-NC P-NO	XK25, R2-M2 XK10, T3-M3	X	X	Y	10	10	15	10	10	15		
CONTROL RM AIR HDLG UNIT B QS251B002B-B	480	120	E-0131-11 E-0131-11	SEQ (3) ESF SHED	P-NO P-NO	XK24, T2-M2 XK12, T3-M3	-	-	-	5	5	10	5	5	10		
1R27 SWITCHYARD FEEDER BRKR 152-1610	4160	225	E-1109-27	ESF SHED	P-NO	XK9, T1-M1	X	X	X	-	-	-	-	-	-	MANUALLY CLOSED	
SSW COOLING TOWER FAN D Q1P41C003D-B	480	122	E-1225-04 E-1225-04	SEQ (4) ESF SHED	M-NC P-NO	XK25, R3-M3 XK11, T1-M1	X	X	X	10	10	15	10	10	15		
HYDROGEN RECOMBINER B Q1E61C003B-B	480	75	E-1186-16	SEQ (5)	M-NC	XK28, R1-M1	X	X	X	15	15	20	-	-	-	MANUALLY STARTED	
DRYWELL PURGE COMPRESSOR B Q1E61C001B-B	480	83	E-1186-11	SEQ (5)	M-NC	XK28, R2-M2	X	X	X	15	15	20	-	-	30		
			E-1186-11 E-1186-11	ESF SHED SEQ (6)	P-NO M-NC	XK12, T4-M4 XK31, R4-M4	X	X	X	20	20	-	-	-	-		
DG RM OUTSIDE AIR FAN B Q1X77C001B-B	480	62	E-1265-02 E-1265-02	SEQ (3) ESF SHED	P-NO P-NO	XK24, T1-M1 XK13, T3-M3	-	-	-	5	5	10	5	5	10		
DG AUX JACKET WATER PMP B Q1P75C004B-B	480	49	E-1111-11 E-1111-11	SEQ (5) ESF SHED	M-NC P-NO	XK28, R4-M4 XK11, T4-M4	X	X	X	15	15	20	15	15	20		
BAT CHARGER 1E4 FDR 52-16102 N1L51S002A-E	480	55	E-1118-02 E-1118-02	SEQ (6) ESF SHED	P-NO P-NO	XK32, T2-M2 XK13, T1-M1	-	-	-	20	20	-	20	20	-		
BAT CHARGER 1E5 FDR 52-16202 N1L51S002B-E	480	55	E-1118-02 E-1118-02	SEQ (6) ESF SHED	P-NO P-NO	XK32, T3-M3 XK10, T4-M4	-	-	-	20	20	-	20	20	-		

FOR NOTES AND REFERENCE DRAWINGS
SEE E-1120-01

TURNED OVER TO MP&L
FOR DESIGN CONTROL.
SYSTEM L21 E12

PRC
APERTURE
CARD



R21-1

NO.	DATE	REVISIONS	BY	CHK'D	ENGR	PROJ.
1		REV'D AS NOTED/SWD				N/R
2		REV'D AS NOTED/SWD				N/R
3		REVISED AS NOTED/SWD				N/R
4		REVISED / REDRAWN				N/R
5		TRACED FOR CORRECT.				N/R

SCALE: ~ DESIGNED RSM DRAWN CAD CHECKED SJA

BECHTEL
GAITHERSBURG, MARYLAND

MISSISSIPPI POWER & LIGHT COMPANY
GRAND GULF NUCLEAR STATION
UNITS 1 & 2

SCHMATIC DIAGRAM
R21 LOAD SHEDDING & SEQUENCING SYS
LSS TABLE 2 1R22-P332 (DIV 2) PART 1
UNIT 1

SU SCOPE	5-7-92 RAN	MPL NO. 1R211125E	JOB NO.	DRAWING NO.	REV.
	DATE INITIAL		9545	E-1120-03	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 Bannard SUPERVISOR J.R. Cooper

16X

8307180343

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