



NOTES (CONT)

6. DIESEL SYSTEM BATTERIES (2R24-S002A & 2R24-S002C) ARE C & D TYPE KCR-11 (S-44077). BATTERY RACKS ARE C & D TYPE RD-1659 (S-44078 & S-44079).

REFERENCES:

- 1. B-23371 125V DC EMERGENCY STATION SERVICE SYSTEM 2R42B
- 2. H-23611 WIRING DIAGRAM DIESEL BLDG. METERING PANELS AND CHARGERS RACEWAY AND CABLE NUMBERING SYSTEM
- 3. A-27001 ELEMENTARY-INVERT AND CHARGER ALARMS SYS 2R20P, 2R42A, B & E
- 4. H-23406 SINGLE LINE DIAGRAM 2R22-S005 AND S006
- 5. H-23357 SINGLE LINE DIAGRAM 2R22-S007
- 6. H-23358 NORMAL STATION SERVICE 4160V ELEMENTARY DIAGRAM 2R20B
- 7. H-23624 EMERGENCY STATION SERVICE ELEMENTARY DIAGRAM 2R20M
- 8. H-23668 PLANT SERVICE WATER MO VALVES ELEMENTARY DIAGRAM 2P41
- 9. H-23695 PLANT SERVICE WATER ELEMENTARY DIAGRAM 2P41
- 10. H-23698 DIESEL GENERATOR 2B ELEMENTARY DIAGRAM 2R43B
- 11. H-23773 DIESEL GENERATOR 2A ELEMENTARY DIAGRAM 2R43A
- 12. H-23801 DIESEL GENERATOR 2C ELEMENTARY DIAGRAM 2R43C
- 13. H-23811 RHR ELEMENTARY DIAGRAMS 2E11
- 14. H-27635 REMOTE SHUTDOWN ELEMENTARY DIAGRAM 2C82
- 15. H-27970 REACTOR BUILDING CHILLED WATER ELEMENTARY DIAGRAM 2P64
- 16. H-27798 CONTROL ROD DRIVE ELEMENTARY DIAGRAM 2C11B
- 17. H-27516 UNIT 1, 1B DIESEL GENERATOR ELEMENTARY DIAGRAM 1R43B
- 18. H-14239 DIESEL GENERATOR CONTACT TABULATION 2R43
- 19. H-23587 DIESEL GENERATOR CONTACT SERVICE SYSTEM 2R25-S006
- 20. H-23371 125V DC EMERGENCY STATION SERVICE SYSTEM 2R25-S006
- 21. H-50409 ELEMENTARY DIAGRAM ATWS - ARI SYSTEM 2C11C
- 22. H-23612 WIRING DIAGRAM FOR 125 VDC EMERG STA. SERV. CABINETS 2R25-S004, -S005, AND -S006.
- 23. A-20153 LOAD LIST FOR 125 VDC CAB. 2D 2R25-S004
- 24. A-20154 LOAD LIST FOR 125 VDC CAB. 2E 2R25-S005
- 25. A-20155 LOAD LIST FOR 125 VDC CAB. 2F 2R25-S006

2R22-S005 FRAME 5 H-23512	4160 V SWGR. BUS 2E FDR ACB'S (FR. 2,3,4,5,7,8,9, & 11) & UNDV RLY	P1	2P	70A	1	2	P2	GENERATOR 2A FIELD FLASHING	2R43-P001A	H-23401
2R22-S005 FRAME 1 H-23508	4160 V SWGR. 2E ACB # 135554	P3	2P	30A	3	4	P4	GENERATOR 2A TRIP RELAYING	2H21-P200	H-23616
2R22-S005 FRAME 10 H-23517	4160 V SWGR. 2E ACB # 135544	P5	2P	30A	5	6	P6	DIESEL 2A START CONTROL CIRCUIT "A"	2R43-S001A	H-23617
2R22-S005 FRAME 6 H-23513	DIESEL GEN. 2A ACB # 135530	P7	2P	30A	7	8	P8	EMER. RELAYING FOR 4160/600V STATION SERVICE XFMR. 2C	2H21-P200	H-23616
2R43-P001A H-23401	DIESEL GEN. 2A ANNUNCIATORS	P9	2P	20A	9	10	P10	DIESEL 2A STOP AND SHUTDOWN CONTROL	2R43-S001A	H-23617
SPARE				50A	11	12		SPARE		
2H21-P230 H-23599	4160 V BUS 2E LOADING LOCA/LOSP TIMERS & PSW VALVE INTERLOCKS	P13	2P	20A	13	14	P14	DIESEL 2A GOVERNOR CONTROL	2R43-S001A	H-23617
2R43-P001A H-23401	DIESEL GENERATOR 2A MANUAL MO VOLT ADJ.	P15	2P	20A	15	16	P16	DIESEL GENERATOR 2A TEST AND LOCP LOCKOUT RELAYS	2H21-P230	H-23599
2H21-P230 H-23599	GENERATOR 2A VOLTAGE REGULATOR TRANSFER	P17	2P	20A	17	18	P18	DIESEL 2A START CONTROL CIRCUIT "B"	2R43-S001A	H-23617
2H21-P230 H-23599	DIESEL GENERATOR 2A ANTI-PARALLEL CIRCUIT	P19	2P	20A	19	20	P20	DIESEL GENERATOR 2A AUTO MO VOLT ADJ.	2R43-P001A	H-23401
2X51-RM-2E H-23612	EMERGENCY LIGHTING	P21	2P	20A	21	22	P22	DIESEL GENERATOR 2A JACKET COOLANT LEVEL CONTROL SOL VLV	2R43-S001A	H-23617
2R22-S024B H-23508	4KV TEST CABINET FOR BUS 2E	P23	2P	30A	23	24	P24	PSW DIVISION 1 MOV'S EMERGENCY RELAYING	2H21-P255	H-24178
2H21-P255 H-24178	DIV.1 DIESEL ABNORMAL FLOW & STANDBY PUMP START RELAYING	P25	2P	20A	25	26	P26	ARI LOGIC PNL FUSE BOX	2R41-S001	H-50415
2H21-P230 H-23599	DIESEL 2A SYNCHRO ACCEPTOR	P27	2P	20A	27	28	P28	ARI LOGIC PNL FUSE BOX	2R41-S001	H-50415
2H21-P198 H-23611	BATTERY CHARGER 2G 2R42-S032A BATTERY CHARGER 2H 2R42-S032B	P29	3P	150A	29	30	P30	4160 V SWGR. BUS 2F FOR ACB'S (FR.4,5 & 6)	2R22-S006	FRAME 4
SPACE					31			SPACE		

(BATTERY 1B FUSE BOX UNIT 1) TB1-212 DRAWING H-13371

SPARE				20A	1	2	P16	DSL. BLDG. 1B 600/208V MCC-1B 600V EMER. SPLLY. BRKR. CONT.	1R24-S026	FRAME 5
2R22-S006 FRAME 6 H-23527	4160 V SWGR. BUS 2F FDR ACB'S (FR. 2 & 6) & UNDV RELAYING	P1	2P	30A	3	4	P2	DSL. BLDG. 1B 600/208V MCC-1B 4160V EMER. SPLLY. BRKR. CONT.	2R22-S006	FRAME 12
2R22-S006 FRAME 7 H-23528	DIESEL GENERATOR 2B ACB #135570	P3	2P	30A	5	6	P4	4KV TEST CABINET FOR BUS 2F	2R22-S024C	H-23522
2H21-P231 H-23600	4160 V BUS 2F LOADING LOCA/LOSP TIMERS	P5	2P	20A	7	8	P6	EMERGENCY LIGHTING	2X51-RM-2F	H-23612
2H21-P231 H-23600	DIESEL GEN. 2B TEST, LOCP LOCKOUT RELAYS & ANTI PARALLEL RELAY	P7	2P	20A	9	10	P8	EMER. RELAYING FOR 4160/600V STATION SERVICE XFMR 2CD	2H21-P201	H-23615
2H21-P231 H-23600	GEN. 2B VOLTAGE REG. TRANSFER	P9	2P	20A	11	12	P10	DIESEL GEN. 2B ANNUNCIATORS	2H21-P258	H-23342
2H21-P231 H-23600	DIESEL 2B SYNCHRO ACCEPTOR RELAY	P11	2P	30A	13	14	P12	600/208V MCC-2D 2R24-S048 4160V BREAKER CONTROL	2R22-S006	FRAME 13
2R22-S006 FRAME 1 H-23522	4160 V SWGR. BUS 2F ACB # 135574	P13	2P	30A	15	16	P14	4160 V SWGR. BUS 2F ACB #135564	2R22-S006	FRAME 11
2R25-S005 H-23522	125V DC CABINET 2E 4KV SWGR. ROOM 2F DIESEL BUILDING						REF. 11	RHED11M01	H-23532	

* IN ORDER TO INSTALL A NEW BREAKER IN SLOT 31, A BREAKER STAB FROM THE BUSS BAR WILL NEED TO BE INSTALLED.
 A TWO POLE BREAKER WILL NOT FIT HERE AS THE LAST STAB FOR THE THREE POLE BREAKER (EXISTING) WAS REVERSED TO ALLOW THREE POLE BKR. TO BE INSTALLED AND THE LAST STAB IS MISSING (+) AT THIS TIME ONLY A SINGLE POLE BKR. CAN BE INSTALLED.

BOUNDARY DIAGRAM NO.: 2R42-B02-01
 FUNCTION(S) NO.: 2R42-02
 PREPARED BY: MARK CRISLER
 DATE: 4/16/98
 REVIEWED BY: RENEE RITCHEY
 DATE: 4/28/98

LICENSE RENEWAL DOCUMENT

MPL NO. 2R25 ACAD14 HL2337101

SOUTHERN COMPANY

LICENSE RENEWAL SCREENING FOR INFORMATION ONLY

EDWIN I. HATCH NUCLEAR PLANT UNIT No.2
 SINGLE LINE DIAGRAM-125V DC EMERGENCY STATION SERVICE-SYSTEM 2R42B AND 2R43B
 MPL'S 2R25-S004 AND 2R25-S005

APPROVED, ISSUED PER LICENSE RENEWAL BOUNDARY PACKAGES. DRAWING CREATED FROM H-23371 SH.1, REV.24; BY TRM.

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APPROVED		LOCATION	10-502
DATE		DOCUMENT NUMBER	HL-23371
		REVISION	SHEET 1

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