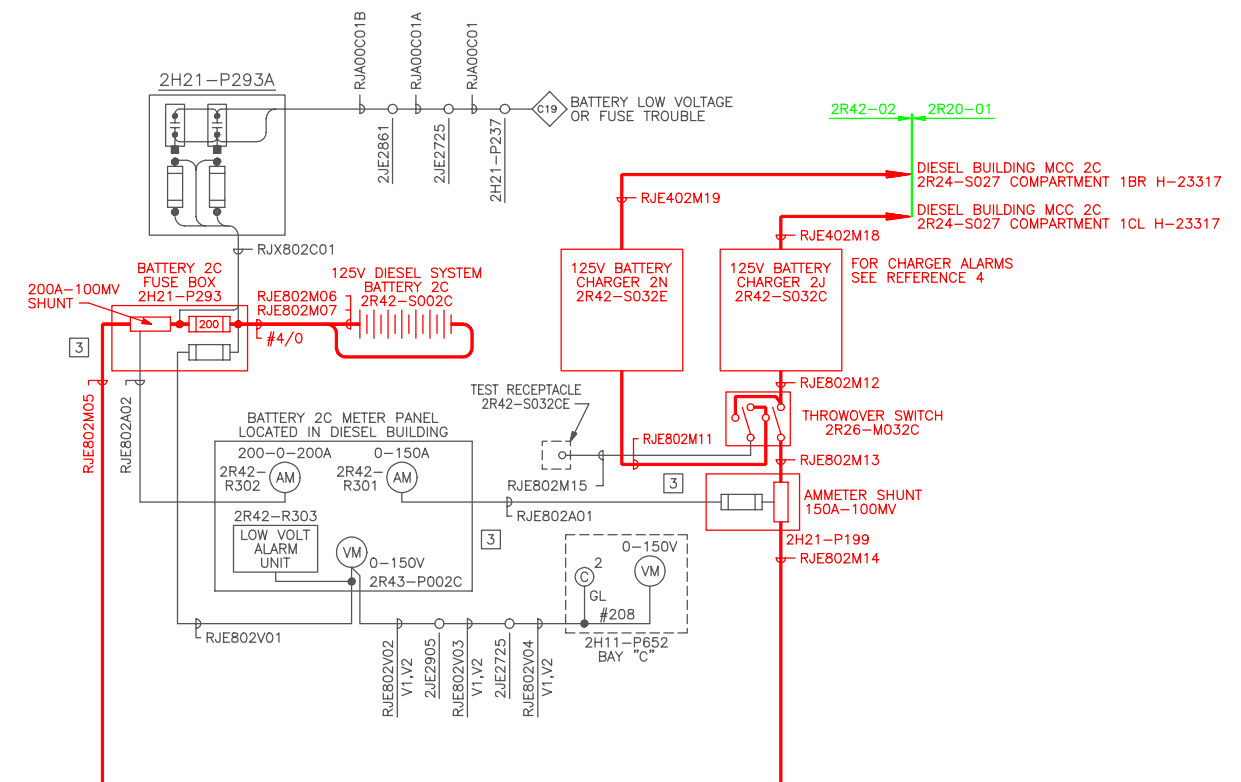


LEGEND

DESTINATION MPL NO. → R22-S001
 BREAKER FUNCTION → DIV. I CONDENSER FLOOD LOGIC
 WIRE NO. (DC ONLY) → H-13473
 NO. OF POLES → P1 2P
 BREAKER CONTINUOUS RATING → 20A
 BREAKER NO. → 1

DESTINATION WIRING DIAGRAM
 CABLE NO. → R25-S001-ES7-M01
 ELEMENTARY DIAGRAM → H-14239

- ALL BREAKERS OR SPACES IN THE PANEL WILL BE ACCOUNTED FOR.
 - BREAKERS WITH NO CABLES CONNECTED TO THEM WILL BE IDENTIFIED AS "SPARE".
 - SPACES WITH NO BREAKER WILL BE IDENTIFIED WITH A DASHED LINE TO SIGNIFY AVAILABILITY FOR FUTURE USE AND IDENTIFIED AS "SPACE".
 - ALL TWO POLE DC BREAKERS WILL BE COUNTED AS 1 POSITION FOR BREAKER NUMBERING PURPOSES



SCHEME 02
 SYSTEM 2R42B
 (ESF DIVISION II)

REF.	DESCRIPTION	TERMINALS	TERMINALS	DESCRIPTION	REF.
2R22-S007 FRAME 6 H-23539	4160 V SWGR. BUS 2G FOR ACB'S (FR. 2,3,4,5,6,8,9,& 11) & UNDV RELAYING	P1	70A 1 2 2P	P2 GENERATOR 2C FIELD FLASHING	2R43-P001C H-23402
2R22-S007 FRAME 10 H-23543	4160 V SWGR. BUS 2G ACB # 135584	P3	30A 3 4 2P	P4 GENERATOR 2C TRIP RELAYING	2H21-P202 H-23623
2R22-S007 FRAME 1 H-23534	4160 V SWGR. BUS 2G ACB # 135594	P5	30A 5 6 2P	P6 DIESEL 2C START CONTROL CIRCUIT A	2R43-S001C H-23621
2R22-S007 FRAME 7 H-23540	DIESEL GEN. 2C ACB # 135540	P7	30A 7 8 2P	P8 EMER. RELAYING FOR 4160/600V STATION SERVICE XFMR. 2D	2H21-P202 H-23623
2R43-P001C H-23402	DIESEL GEN. 2C ANNUNCIATORS	P9	20A 9 10 2P	P10 DIESEL 2C STOP AND SHUTDOWN CONTROL	2R43-S001C H-23621
2H21-P232 H-23601	4160 V BUS 2G LOADING LOCA/LOSP TIMERS & PSW VALVE INTERLOCKS	P11	20A 11 12 2P	SPARE	
2R43-P001C H-23402	DIESEL GEN. 2C MANUAL MO VOLT ADJ.	P13	20A 13 14 2P	P14 DIESEL 2C GOVERNOR CONTROL	2R43-S001C H-23621
2R43-S001C H-23621	DIESEL 2C START CONTROL CIRCUIT "B"	P15	20A 15 16 2P	P16 DIESEL GENERATOR 2C TEST & LOSP LOCKOUT RELAY	2H21-P232 H-23601
2H21-P232 H-23601	GENERATOR 2C VOLTAGE REGULATOR TRANSFER	P17	20A 17 18 2P	P18 DIESEL GENERATOR 2C AUTO MO VOLT ADJ.	2R43-P001C H-23402
2H21-P232 H-23601	DIESEL GENERATOR 2C ANTI-PARALLEL CIRCUIT	P19	20A 19 20 2P	P20 DIESEL GEN. 2C JACKET COOLANT LEVEL CONTROL SOL VLV	2R43-S001C H-23621
2X51-RM-2G H-23612	EMERGENCY LIGHTING	P21	20A 21 22 2P	P22 PSW DIVISION II MOV'S EMERGENCY RELAYING	2H21-P256 H-24178
2R22-S024D H-23534	4KV TEST CABINET FOR BUS 2G	P23	30A 23 24 2P	P24 SPARE	
2H21-P256 H-24178	DIVISION II DIESEL ABNORMAL FLOW & STANDBY PUMP START RELAYING	P25	20A 25 26 2P	SPARE	
2H21-P232 H-23601	DIESEL 2C SYNCHRO ACCEPTOR	P27	20A 27 28 2P	SPARE	
2R22-S006 FRAME 3 H-23524	4160 V SWGR. BUS 2F FOR FDR ACB'S (FR. 3,9 & 10) (DIV.II)	P29	70A 29 30 2P	P30 BATTERY CHARGER 2J 2R42-S032C BATTERY CHARGER 2N 2R42-S032E	2H21-P199 H-23611
	SPACE		2P 31 32 1P	SPACE	

2R25-S006
 125V DC CABINET 2F
 4KV SWGR. ROOM 2G
 DIESEL BUILDING

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

FOR NOTES AND REFERENCES SEE H-23371 SH.1

LICENSE RENEWAL DOCUMENT

MPL NO. 2R25 ACAD14 HL2337102

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 2R25-S006

BY: TRM	CHKD: RBR	APPR:1: ASK	DATE:
DESIGNED: TRM	LOCATION: 10-502	DOCUMENT NUMBER: HL-23371	REVISION: A
SCALE: None	SHEET: 2		

Revision: A Date: 11-18-99
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