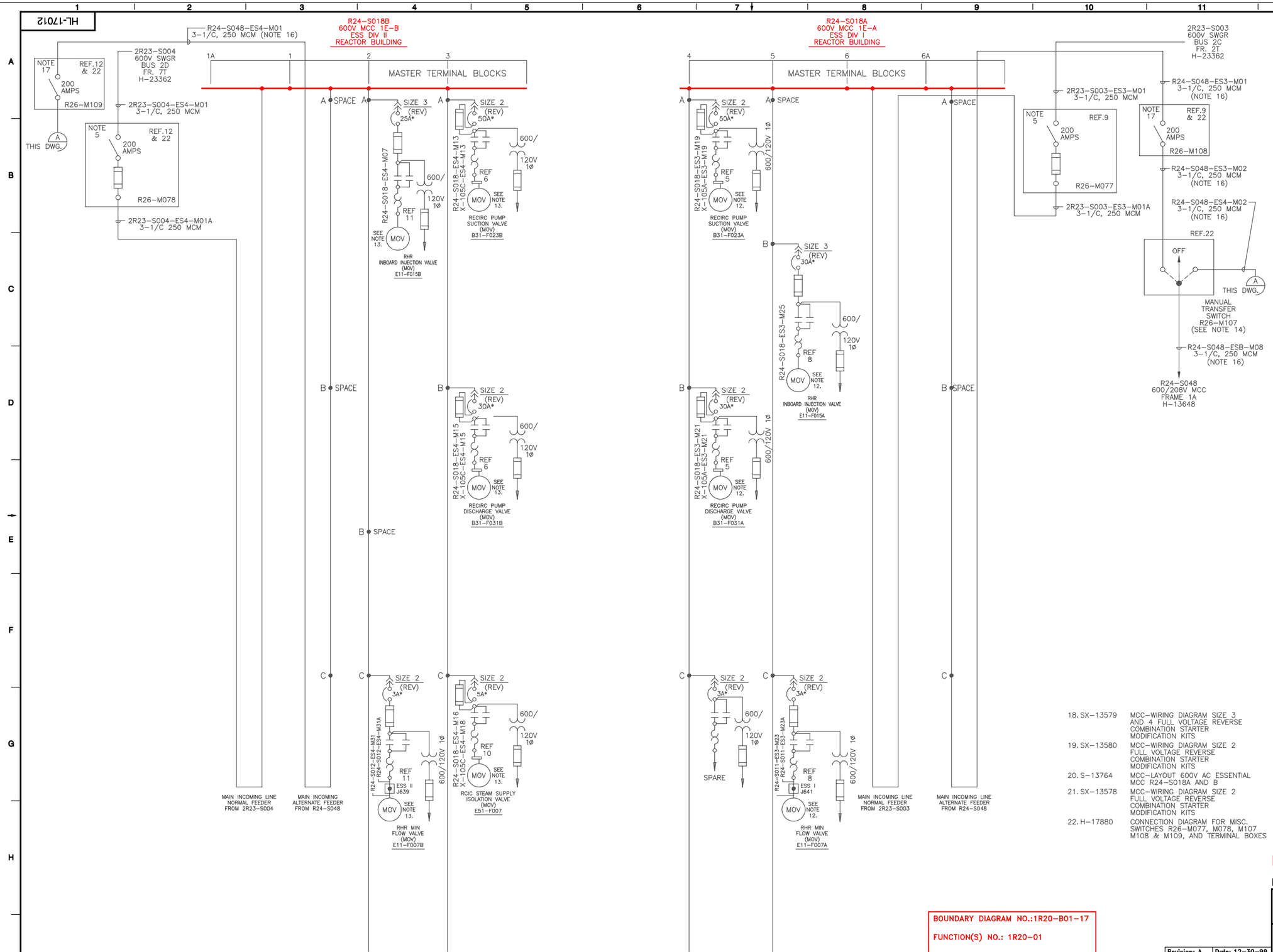

NOTES:

1. DELETED
2. CABLES R24-S048-ES3-M07 AND R48-S048-ES4-M08 SHOULD BE DISCONNECTED FROM MCC'S AS OF REV 9,THE CABLES SHOULD BE SECURELY TAPED AND LEFT IN PLACE FOR POSSIBLE FUTURE USE.
3. DELETED
4. DELETED
5. WESTINGHOUSE TYPE DH, THREE POLE FUSIBLE SAFETY SWITCH, RATED AT 600V AC, 200 AMPS, WITH TWO FACTORY INSTALLED 1 N.O. & 1 N.C. AUXILIARY CONTACTS, BUSSMANN TYPE KAZ-2838 DEVICE CLASS "R" FUSE CLIP KIT FOR BUSSMANN FRS-R-100 (WITH BUSSMANN FUSE REDUCER 2621-R) IN NEMA 4X WALL MOUNTED ENCLOSURE WITH FACILITY TO LOCK SWITCH IN THE OFF POSITION WITH PADLOCK. SAFETY CATALOG NO. DH364FWK-2, (MPL NO. R26-M078 & R26-M077.
6. ⇨ INDICATES DRYWELL PENETRATION.
7. X-105A/X-105C INDICATES CABLE NUMBER INSIDE DRYWELL.
8. * CONTINUOUS RATING FOR MAGNETIC BREAKER WITH ADJUSTABLE INSTANTANEOUS TRIP RANGE.
9. DELETED
10. DELETED
11. SEE MASTER FUSE LIST FOR FUSE DESIGN INFORMATION.
12. SEE MCC DATA SHEET B-17346 FOR MOTOR DATA.
13. SEE MCC DATA SHEET B-44854 FOR MOTOR DATA.
14. ADMINISTRATIVE CONTROLLED UNITED CONTROLS INTERNATIONAL INC. CUSTOM MODIFIED DOUBLE THROW MANUAL TRANSFER SWITCH (MPL NO. R26-M107) RATED 600V AC, 200 AMPS, PADLOCK-ABLE IN THE OFF POSITION, WITH 6 N.O. & 6 N.C. AUXILIARY CONTACTS IN NEMA-4X FLOOR MOUNTED ENCLOSURE SUITABLE FOR TERMINATION OF 3-1/C 250 MCM CABLES FOR LOAD AND LINE SIDE.
15. DELETED
16. CONNECTING SAFETY RELATED DIV I OR DIV II CIRCUITS (R24-S048-ES3-M01 & M02 OR R24-S048-ES4-M01 & M02) TO 1B DIESEL CIRCUIT (R24-S048-ESB-M08, PASSING THROUGH 4160V BUS 1F, FRAME 12) HAS BEEN REVIEWED AND FOUND ACCEPTABLE. THE ACCEPTANCE OF THESE CIRCUITS IS BASED ON UNIT 1 FAILURE MODE AND EFFECT ANALYSIS (FMEA) PERFORMED UNDER REA 95-679; AND SAFER-GESTRE LOCA ANALYSIS PERFORMED BY GE USING THE RESULTS OF UNIT 1 FMEA.
17. WESTINGHOUSE TYPE DH, THREE POLE SAFETY SWITCH, RATED AT 600V AC, 200 AMPS, WITH FOUR FACTORY INSTALLED 2 N.O. & 2 N.C. AUXILIARY CONTACTS IN NEMA-4X WALL MOUNTED ENCLOSURE WITH FACILITY TO LOCK SWITCH IN THE OFF POSITION DURING MAINTENANCE. SAFETY SWITCH CATALOG NO. DH364UWK3, FOR R26-M108 AND R26-M109.

REFERENCES:

1. H-17221	EXTERNAL CONNECTION DIAGRAM MCC R24-S018A
2. H-17247	EXTERNAL CONNECTION DIAGRAM MCC R24-S018B
3. B-17364 SH.1 & 2	EQUIPMENT LIST REACTOR BUILDING ESSENTIAL MCC SCHEDULE (R24-S018)
4. B-17025 SH.1	FRONT VIEW MCC R24-S018 A AND B
5. H-17865	ELEMENTARY DIAGRAM REACTOR RECIRC PUMP AND MG SET "A"
6. H-17907	ELEMENTARY DIAGRAM REACTOR RECIRC PUMP AND MG SET "B"
7. H-17881	WIRING DIAGRAM MCC R24-S018A AND R24-S018B
8. H-17773	ELEMENTARY DIAGRAM RHR SYSTEM
9. H-17876	ELEM DIAG MCC'S R24-S018A&B NORMAL & ALTERNATE FEEDERS
10. H-17151	ELEMENTARY DIAGRAM RCIC SYSTEM
11. H-17775	ELEMENTARY DIAGRAM RHR SYSTEM
12. H-17877	ELEM DIAG MCC'S R24-S018A&B NORMAL & ALTERNATE FEEDERS
13. A-10125	LOAD LIST FOR R24-S018A
14. A-10126	LOAD LIST FOR R24-S018B
15. S-13930	MCC-WIRING DIAGRAM CIRCUIT BREAKER 2-3 POLE
16. SX-13064	WIRING DIAGRAM SIZE 3 AND 4 FULL VOLTAGE REVERSE COMBINATION STARTER
17. SX-13065	WIRING DIAGRAM SIZE 2 FULL VOLTAGE REVERSE COMBINATION STARTER
18. SX-13579	MCC-WIRING DIAGRAM SIZE 3 AND 4 FULL VOLTAGE REVERSE COMBINATION STARTER MODIFICATION KITS
19. SX-13580	MCC-WIRING DIAGRAM SIZE 2 FULL VOLTAGE REVERSE COMBINATION STARTER MODIFICATION KITS
20. S-13764	MCC-LAYOUT 600V AC ESSENTIAL MCC R24-S018A AND B
21. SX-13578	MCC-WIRING DIAGRAM SIZE 2 FULL VOLTAGE REVERSE COMBINATION STARTER MODIFICATION KITS
22. H-17880	CONNECTION DIAGRAM FOR MISC. SWITCHES R26-M077, M078, M107 M108 & M109, AND TERMINAL BOXES

LICENSE RENEWAL DOCUMENT

MPL NO. R24

ACAD14 | HL17012

SOUTHERN COMPANY

LICENSE RENEWAL SCREENING FOR INFORMATION ONLY

BOUNDARY DIAGRAM NO.:1R20-B01-17

FUNCTION(S) NO.: 1R20-01

PREPARED BY: MARK CRISLER
DATE: 8/18/99
REVIEWED BY: RENEE RITCHEY
DATE: 8/18/99

Revision: A | Date: 12-30-99

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BY	CHK'D	APPR
TRM	RBR	ASK

EDWIN I. HATCH NUCLEAR PLANT UNIT No. 1
SINGLE LINE DIAGRAM - REACTOR BUILDING
600V MCC "1E-A" & "1E-B"
MPL R24-S018A & R24-S018B

DRAWN	DESIGNED	LOCATION	DOCUMENT NUMBER	REVISION
TRM	LCF	10-502	HL-17012	A
DATE	SCALE None			