



- NOTES:**
- DELETED
 - 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.
 - DELETED
 - DELETED
 - 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. DH564FWK-2, (MPL NO. R26-M078 & R26-M077).
 - INDICATES DRYWELL PENETRATION.
 - X-105A/X-105C INDICATES CABLE NUMBER INSIDE DRYWELL.
 - * CONTINUOUS RATING FOR MAGNETIC BREAKER WITH ADJUSTABLE INSTANTANEOUS TRIP RANGE.
 - DELETED
 - DELETED
 - SEE MASTER FUSE LIST FOR FUSE DESIGN INFORMATION.
 - SEE MCC DATA SHEET B-17346 FOR MOTOR DATA.
 - SEE MCC DATA SHEET B-44854 FOR MOTOR DATA.
 - 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.
 - DELETED
 - 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.
 - 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:**
- H-17221 EXTERNAL CONNECTION DIAGRAM MCC R24-S018A
 - H-17247 EXTERNAL CONNECTION DIAGRAM MCC R24-S018B
 - B-17364 EQUIPMENT LIST REACTOR BUILDING ESSENTIAL MCC SCHEDULE (R24-S018)
 - B-17025 FRONT VIEW MCC R24-S018 A AND B
 - H-17865 ELEMENTARY DIAGRAM REACTOR RECIRC PUMP AND MG SET "A"
 - H-17907 ELEMENTARY DIAGRAM REACTOR RECIRC PUMP AND MG SET "B"
 - H-17881 WIRING DIAGRAM MCC R24-S018A AND R24-S018B
 - H-17773 ELEMENTARY DIAGRAM RHR SYSTEM
 - H-17876 ELEM DIAG MCC'S R24-S018A&B NORMAL & ALTERNATE FEEDERS
 - H-17151 ELEMENTARY DIAGRAM RCIC SYSTEM
 - H-17775 ELEMENTARY DIAGRAM RHR SYSTEM
 - H-17877 ELEM DIAG MCC'S R24-S018A&B NORMAL & ALTERNATE FEEDERS
 - A-10125 LOAD LIST FOR R24-S018A
 - A-10126 LOAD LIST FOR R24-S018B
 - S-13930 MCC-WIRING DIAGRAM CIRCUIT BREAKER 2-3 POLE
 - SX-13064 WIRING DIAGRAM SIZE 3 AND 4 FULL VOLTAGE REVERSE COMBINATION STARTER
 - SX-13065 WIRING DIAGRAM SIZE 2 FULL VOLTAGE REVERSE COMBINATION STARTER

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
 APPROVED, ISSUED PER LICENSE RENEWAL BOUNDARY PACKAGES.
 DRAWING CREATED FROM H-17012, REV.27; BY TRM.

BY	CHKD	APPR	DATE
TRM	RBR	ASK	

LICENSE RENEWAL DOCUMENT

MPL NO. R24 ACAD14 HL17012

SOUTHERN COMPANY

LICENSE RENEWAL SCREENING FOR INFORMATION ONLY

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

DATE	SCALE	10-502	HL-17012	REVISION
TRM	None			A