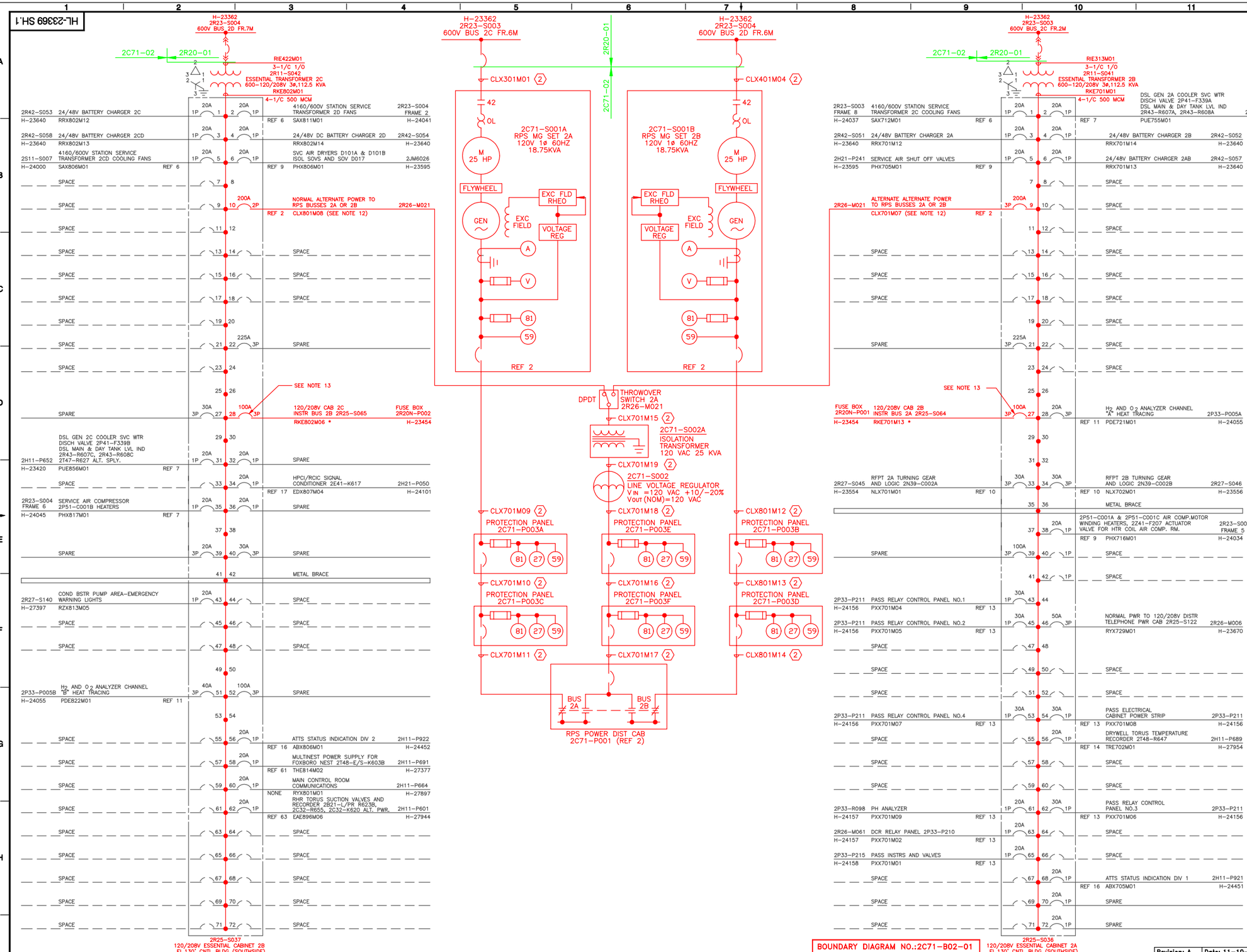
HL-23369 SH.1



LEGEND

DESTINATION MPL NO. — R22-S001 — H-13473 — DESTINATION WIRING DIAGRAM

BREAKER FUNCTION — DIV. I CONDENSER FLOOD LOGIC — R25-S001-CS7-M01 — CABLE NO.

WIRE NO. (DC ONLY) — P1 — REF 22 — ELEMENTARY REFERENCE

NO. OF POLES — 2P

BREAKER CONTINUOUS RATING — 20A

BREAKER NO. — 1

- 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".
- EACH BREAKER SHOULD BE NUMBERED AND LOCATED ON THE VERTICAL BUS BASED ON THE NUMBER OF THE POLE POSITION ITS OPERATING LEVER OCCUPIES. (FOR 3 POLES THE LEVER IS ON THE MIDDLE POLE. FOR 2 POLES IT IS THE TOP POLE WHEN INSTALLED ON LEFT SIDE AND BOTTOM POLE WHEN INSTALLED ON THE RIGHT SIDE). POLE POSITION NUMBERS ARE KNOWN BY COUNTING EACH POLE LEFT TO RIGHT, TOP TO BOTTOM.

NOTES:

1. CABLES MARKED THUS * ARE SOURCED AGAINST THIS PLAN. OTHER CABLES ARE SOURCED TO SYSTEMS AS IDENTIFIED.
2. CABLES ARE SOURCED FROM REFERENCE NUMBER WITHIN O .
3. SYSTEMS DESIGNATIONS SHOWN ON FEEDERS ARE PER REFERENCE 3.
4. FIELD EXCHANGE EXISTING BREAKER IN PANEL AS INDICATED FROM SPARE PARTS.
5. FIELD ADD BREAKER AS INDICATED FROM SPARE PARTS.
6. ALL KEYS TRAPPED IN CLOSED POSITION; KEYS REMOVEABLE IN OPEN POSITION ONLY.
7. 4-POLE NC NON-FUSIBLE DISCONNECT SWITCH WITH 2-KEY KIRK LOCK.
8. 4-POLE NO NON-FUSIBLE DISCONNECT SWITCH WITH 1 SINGLE KEY KIRK LOCK.
9. CABLES GRX801648,GRX801649,SPX706M04 & SPX807M04 ARE TAPED AND STOWED.
10. 2R25-S064: CKT. PDE709M01 WAS CKT. PDE-710M07, 2R25-S065: CKT. PDE810M01 WAS CKT. PDE809M07, 2R25-S037: ADDED CKT. PDE822M01; 2R25-S036: ADDED CKT. PDE721-M01 PER ABN 84-748 REV.0, DCR 81-165 REV.0. DELETED CABLE RXE703M02 (FROM 2R25-S064) & CABLE RXE804M02 (FROM 2R25-S065) PER ABN 84-166 REV.0, DCR 84-134 REV.0, 2R25-S036: ADDED CKT'S PXX701M01,M02,M04,M05,M06,M07,M08,M09, & ABX705M01; 2R25-S037: ADDED CKT'S EDX80-7M03,M04 & ABX806M01; 2R25-S064: ADDED CKT'S PXE703M01 & NMX709M03; 2R25-S065: ADDED CKT PXE805M01, REVISED BREAKER LOCATIONS IN CAB'S S036,S037,S064 & S065 PER ABN 84-272 REV.0, DCR NONE
11. SEE DRAWINGS B-50648 THRU B-50690 FOR INFORMATION ON FUSED APPENDIX "R" CIRCUITS SUPPLIED FROM DISTRIBUTION CABS. 2R25-S064 & 2R25-S065 WHICH HAVE DOWNSTREAM FUSE SUBSTITIONS TO IMPROVE COORDINATION.
12. WIRE CONNECTED TO BOTTOM POLE OF BREAKER ONLY. BREAKER 9 OF CABINET 2A (2R25-S036) IS A 3 POLE BREAKER. BREAKER 10 OF CABINET 2B (2R25-S037) IS A 2 POLE BREAKER WHICH TAKES UP 3 SPACES.
13. 100 AMP MOLDED CASE SWITCH (NON AUTOMATIC BREAKER)
14. REFER TO THE MASTER FUSE LIST FOR FUSE DESIGN INFORMATION.

REFERENCES:

1. H-23454 WIRING DIAGRAM ESSENTIAL AND INSTRUMENT 120/208V CABINETS
2. H-27601 RPS M/G SET CONTROL SYSTEM 2C71 ELEMENTARY DIAGRAM
3. A-27001 RACEWAY AND CABLE NUMBERING SYSTEM
4. H-23362 SINGLE LINE DIAGRAM 600V BUS 2C AND 2D
5. B-23369 120/208V ESSENTIAL AC SYSTEM 2R20N BLOCK DIAGRAM SHEET 1
6. H-23666 ELEMENTARY-CONTROL AND ANNUNCIATOR FOR MAIN POWER TRANSFORMER AND AUXILIARY TRANSFORMER 2A-2D 2S11
7. H-23697 ELEMENTARY-PLANT SERVICE WATER MO VALVES 2P41
8. H-23635 SINGLE LINE DIAGRAM 120V VITAL AC AND 24/28V DC SYSTEM
9. H-23679-H-23680 ELEMENTARY-SERVICE AIR SYSTEM 2P51
10. H-23662-H-23663 ELEMENTAEY-REACTOR FEEDER TURBINE 2N34/2N39
11. H-24018 ELEMENTARY-HYDROGEN AND OXYGEN ANALYZER SYSTEM 2P33B
12. H-27397 WIRING DIAGRAM-COMMUNICATION PUBLIC ADDRESS WARNING LIGHTS 2R51F
13. H-27203-H-27204 ELEMENTARY-POST ACCIDENT SAMPLING SYSTEM 2P33D
14. H-27051 ELEMENTARY-TORUS TEMPERATURE MONITORING SYSTEM 2T48
15. H-27389 COMMUNICATIONS SYMBOLS NOTES AND DETAILS
16. H-24408 ELEMENTARY DIAGRAM ATTS SYSTEM 2A70
17. H-24100 ELEMENTARY DIAGRAM HPCI SYSTEM 2E41

REFERENCES CONTINUED ON H-23369 SHEET 2

LICENSE RENEWAL DOCUMENT

MPL NO. 2R25

ACAD14 HL2336901

SOUTHERN COMPANY

LICENSE RENEWAL SCREENING FOR INFORMATION ONLY

BOUNDARY DIAGRAM NO.:2C71-B02-01

FUNCTION(S) NO.: 2C71-02

PREPARED BY: Mark Crisler
DATE: 04/28/98
REVIEWED BY: Renee Ritchey
DATE: 05/18/98

Revision: A | Date: 11-10-99

APPROVED. ISSUED PER LICENSE RENEWAL BOUNDARY PACKAGES. DRAWING CREATED FROM H-23369 SH.1, REV 41; BY BKN

BY	CHK'D	APPR'L
BKN	GMC	ASK

EDWIN I. HATCH NUCLEAR PLANT UNIT No.2
SINGLE LINE DIAGRAM
120/208V ESSENTIAL A.C. SYSTEM 2R20N
MPL'S 2R25-S036 AND 2R25-S037

DRAWN	DESIGNED	LOCATION	DOCUMENT NUMBER	REVISION
BKN	LCF	10-502	HL-23369	A
DATE	SCALE None			