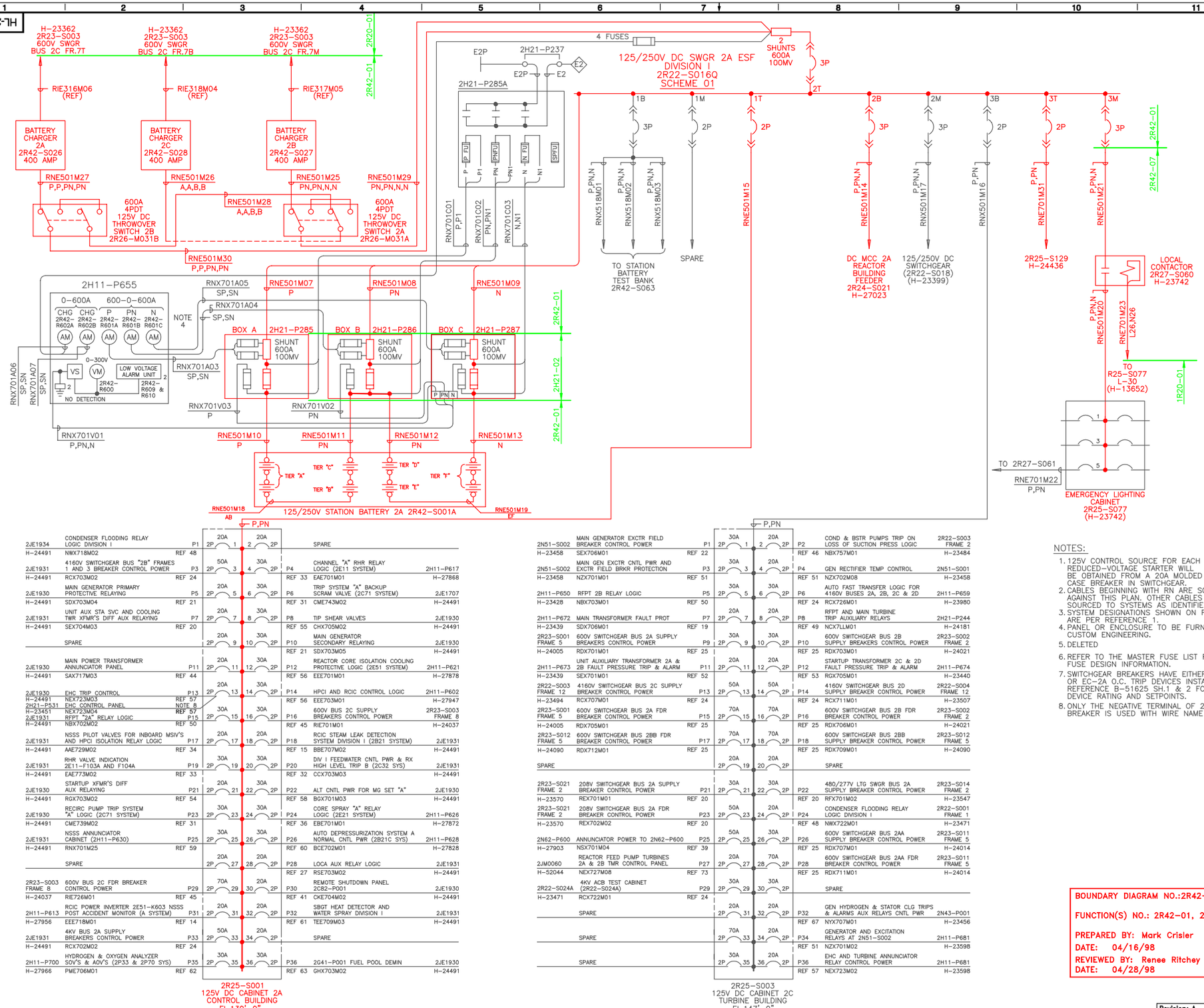

LEGEND

DESTINATION MPL NO. — BREAKER FUNCTION — WIRE NO. (DC ONLY) — NO. OF POLES — BREAKER CONTINUOUS RATING — BREAKER NO.

R22-S001 DIV. I CONDENSER FLOOD LOGIC P1 2P 20A 1
H-13473 R25-S001-ES7-M01 REF 22

DESTINATION WIRING DIAGRAM — CABLE NO. — ELEMENTARY REFERENCE #

- 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 D C BREAKERS WILL BE COUNTED AS 1 POSITION FOR BREAKER NUMBERING PURPOSES

REFERENCES:

1. A-27001 RACEWAY AND CABLE NUMBERING SYSTEM
2. B-23390 BLOCK DIAG 125/250V DC STATION SERVICE SYS 2R42A SCHEME 01
3. H-23602-H-23604 WIRING DIAG 125/250V DC SWGR BUS 2A FRAME 1 THRU 3
4. H-23606-H-23608 WIRING DIAG 125/250V DC SWGR BUS 2B FRAME 1 THRU 3
5. H-23591 WIRING DIAG 125/250V STATION BATTERY
6. H-23406 ELEM DIAG INVERTER AND CHARGER ALARMS SYSTEM 2R20P,2R42A,B AND E
7. H-23589 ELEM DIAG 125/250V DC STATION BATTERY SYS 2R42A
8. H-23399 SINGLE LINE DIAG 125/250V DC STATION SERVICE SYS 2R42A SHEET 2 OF 2
9. H-23773-H-23779 ELEM DIAG DIESEL GENERATOR 2B SYSTEM 2R43B
10. H-23780 ELEM DIAG LOW VOLTAGE SWYD FIRE PROT SYS 2X43E & 2X41H
11. H-23781 ELEM DIAG TURB & CONT BLDG FIRE PROT SYS 2U43 & 2Z43
12. H-23782 ELEM DIAG RADWASTE BUILDING FIRE PROT SY 2U43
13. H-23784 ELEM DIAG TURBINE BUILDING FIRE PROT SYS 2U43
14. H-27450-H-27464 ELEM DIAG NUCLEAR STM SUPPLY SHUTOFF SYS 2A71
15. H-27466-H-27469 ELEM DIAG STEAM LEAK DETECTION SYS 2B21B
16. H-27490-H-27498 ELEM DIAG REACTOR RECIRC PUMP & MG SET "B" SYS 2B31
17. H-24401-H-24435 ELEM DIAG ATTS SYSTEM 2A70
18. H-24551-H-24556 ELEM DIAG ERF CLASS 1E NONCLASS 1E DIGITAL ISOLATION SYSTEM 2X75A
19. H-23385 ELEM DIAG MAIN TRANSFORMER PRESSURE PROTECTION SYS 2S32
20. H-23382-H-23383 ELEM DIAG UNIT AUXILIARY XFMRS 2A & 2B RELAYING & METERING SYS 2S32A
21. H-23384 ELEM DIAG GEN & MAIN XFMR PROT RELAYING & METERING SYS 2S23
22. H-23393 ELEM DIAG UNIT AUXILIARY XFMRS 2A & 2B RELAYING & METERING SYS 2A & 2B
23. H-23610 ELEM DIAG 500KV & 230KV SWYD INTERLOCK SYS 2S40
24. H-23624-H-23629 ELEM DIAG NORMAL STATION SERV 4160V SUPPLY SYS 2R20B
25. H-23630-H-23632 ELEM DIAG NORMAL STATION SERV 600V SUPPLY SYS 2R20C
26. H-23655-H-23659 ELEM DIAG TURBINE AUX 2N21,2N22,2N23 & 2N33
27. H-23801-H-23807 ELEM DIAG DIESEL GENERATOR 2A SYSTEM 2R43A
28. H-23811-H-23817 ELEM DIAG DIESEL GENERATOR 2C SYSTEM 2R43C
29. H-23790 ELEM DIAG REACTOR BLDG FIRE PROTECTION/DETECTION SYSTEM 2T43
30. DELETED
31. H-27605-H-27618 ELEM DIAG RPS 2C71
32. H-27519-H-27524 ELEM DIAG FEEDWATER CONTROL SYSTEM 2C32

REFERENCES CONTINUED ON DRAWING H-23390 SHEET 2

NOTES:

1. 125V CONTROL SOURCE FOR EACH REDUCED-VOLTAGE STARTER WILL BE OBTAINED FROM A 20A MOLDED CASE BREAKER IN SWITCHGEAR.
2. CABLES BEGINNING WITH RN ARE SOURCED AGAINST THIS PLAN. OTHER CABLES ARE SOURCED TO SYSTEMS AS IDENTIFIED.
3. SYSTEM DESIGNATIONS SHOWN ON FEEDERS ARE PER REFERENCE 1.
4. PANEL OR ENCLOSURE TO BE FURNISHED BY CUSTOM ENGINEERING.
5. DELETED
6. REFER TO THE MASTER FUSE LIST FOR FUSE DESIGN INFORMATION.
7. SWITCHGEAR BREAKERS HAVE EITHER EC-1 OR EC-2A O.C. TRIP DEVICES INSTALLED. REFERENCE B-51625 SH.1 & 2 FOR TRIP DEVICE RATING AND SETPOINTS.
8. ONLY THE NEGATIVE TERMINAL OF 2 POLE BREAKER IS USED WITH WIRE NAME PN13.

BOUNDARY DIAGRAM NO.:2R42-B01-01

FUNCTION(S) NO.: 2R42-01, 2R42-07

PREPARED BY: Mark Crisler
DATE: 04/16/98
REVIEWED BY: Renee Ritchey
DATE: 04/28/98

LICENSE RENEWAL DOCUMENT

MPL NO.2R42,2R22,2R23,2R25 | ACAD14 | HL2339001

SOUTHERN COMPANY

LICENSE RENEWAL SCREENING FOR INFORMATION ONLY

Revision: A | Date: 11-17-99

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BY	CHK'D	APPR.1
BKN	RBR	ASK

EDWIN I. HATCH NUCLEAR PLANT UNIT No.2
SINGLE LINE DIAGRAM
125/250V DC STATION SERVICE - DIVISION I 2R42A
MPL'S 2R25-S001 and 2R25-S003

DRAWN	DESIGNED	LOCATION	DOCUMENT NUMBER	REVISION
BKN	LCF	10-502	HL-23390 SH.1 of 2	A
DATE	SCALE No Scale			