



- NOTES:**
- CABLES MARKED WITH * ARE SOURCED AGAINST THIS PLAN. OTHER CABLES ARE SOURCED TO SYSTEMS AS IDENTIFIED.
 - CABLES ARE SOURCED FROM REFERENCE NUMBER WITHIN 0.
 - SYSTEMS DESIGNATIONS SHOWN ON FEEDERS ARE PER REFERENCE 3.
 - FIELD EXCHANGE EXISTING BREAKER IN PANEL AS INDICATED FROM SPARE PARTS.
 - FIELD ADD BREAKER AS INDICATED FROM SPARE PARTS.
 - ALL KEYS TRAPPED IN OPEN POSITION; KEYS REMOVABLE IN OPEN POSITION ONLY.
 - 4-POLE NC NON-FUSIBLE DISCONNECT SWITCH WITH 2-KEY KIRK LOCK.
 - 4-POLE NO NON-FUSIBLE DISCONNECT SWITCH WITH 1 SINGLE KEY KIRK LOCK.
 - CABLES GRX801648, GRX801649, SPX706M04 & SPX807M04 ARE TAPED AND STOWED.
 - 2R25-S064: CKT. PDE709M01 WAS CKT. PDE-710M07, 2R25-S065: CKT. PDE810M01 WAS CKT. PDE809M07, 2R25-S037: ADDED CKT. PDE822M01, 2R25-S036: ADDED CKT. PDE721M01 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
 - SEE DRAWINGS B-50648 THRU B-50690 FOR INFORMATION ON FUSED APPENDIX "R" CIRCUITS SUPPLIED FROM DISTRIBUTION CAB'S. 2R25-S064 & 2R25-S065 WHICH HAVE DOWNSTREAM FUSE SUBSTITUTIONS TO IMPROVE COORDINATION.
 - 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.
 - 100 AMP MOLDED CASE SWITCH (NON AUTOMATIC BREAKER)
 - REFER TO THE MASTER FUSE LIST FOR FUSE DESIGN INFORMATION.

- REFERENCES:**
- H-23454 WIRING DIAGRAM ESSENTIAL AND INSTRUMENT 120/208V CABINETS RPS M/G SET CONTROL SYSTEM
 - H-27601 2C71 ELEMENTARY DIAGRAM RACEWAY AND CABLE NUMBERING SYSTEM
 - A-27001 SINGLE LINE DIAGRAM 600V BUS 2C AND 2D
 - H-23362 120/208V ESSENTIAL AC SYSTEM 2R20N BLOCK DIAGRAM SHEET 1
 - B-23369 ELEMENTARY-CONTROL AND ANNUNCIATOR FOR MAIN POWER TRANSFORMER AND AUXILIARY TRANSFORMER 2A-2D 2S11 ELEMENTARY-PLANT SERVICE WATER MO VALVES 2P41
 - H-23635 SINGLE LINE DIAGRAM 120V VITAL AC AND 24/28V DC SYSTEM ELEMENTARY-SERVICE AIR SYSTEM 2P51
 - H-23679 ELEMENTARY-REACTOR FEEDER TURBINE 2N34/2N39
 - H-24018 ELEMENTARY-HYDROGEN AND OXYGEN ANALYZER SYSTEM 2P33B WIRING DIAGRAM-COMMUNICATION PUBLIC ADDRESS WARNING LIGHTS 2R51F
 - H-27203 ELEMENTARY-POST ACCIDENT SAMPLING SYSTEM 2P33D
 - H-27051 ELEMENTARY-TORUS TEMPERATURE MONITORING SYSTEM 2T48 WIRING DIAGRAM-COMMUNICATION PUBLIC ADDRESS WARNING LIGHTS 2R51F
 - H-27397 ELEMENTARY-POST ACCIDENT SAMPLING SYSTEM 2P33D
 - H-23679 ELEMENTARY-SERVICE AIR SYSTEM 2P51
 - H-23662 ELEMENTARY-REACTOR FEEDER TURBINE 2N34/2N39
 - H-23663 ELEMENTARY-HYDROGEN AND OXYGEN ANALYZER SYSTEM 2P33B WIRING DIAGRAM-COMMUNICATION PUBLIC ADDRESS WARNING LIGHTS 2R51F
 - H-27397 ELEMENTARY-POST ACCIDENT SAMPLING SYSTEM 2P33D
 - H-27051 ELEMENTARY-TORUS TEMPERATURE MONITORING SYSTEM 2T48 WIRING DIAGRAM-COMMUNICATION PUBLIC ADDRESS WARNING LIGHTS 2R51F
 - H-24408 ELEMENTARY DIAGRAM ATTS SYSTEM 2A70
 - 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

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

Revision: A Date: 11-10-99
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BY	CHKD	APPV	DATE
BKN	GMC	ASK	

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

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

2R25-S037
120/208V ESSENTIAL CABINET 2B
EL.130' CNTRL BLDG (SOUTHSIDE)

2R25-S036
120/208V ESSENTIAL CABINET 2A
EL.130' CNTRL BLDG (SOUTHSIDE)