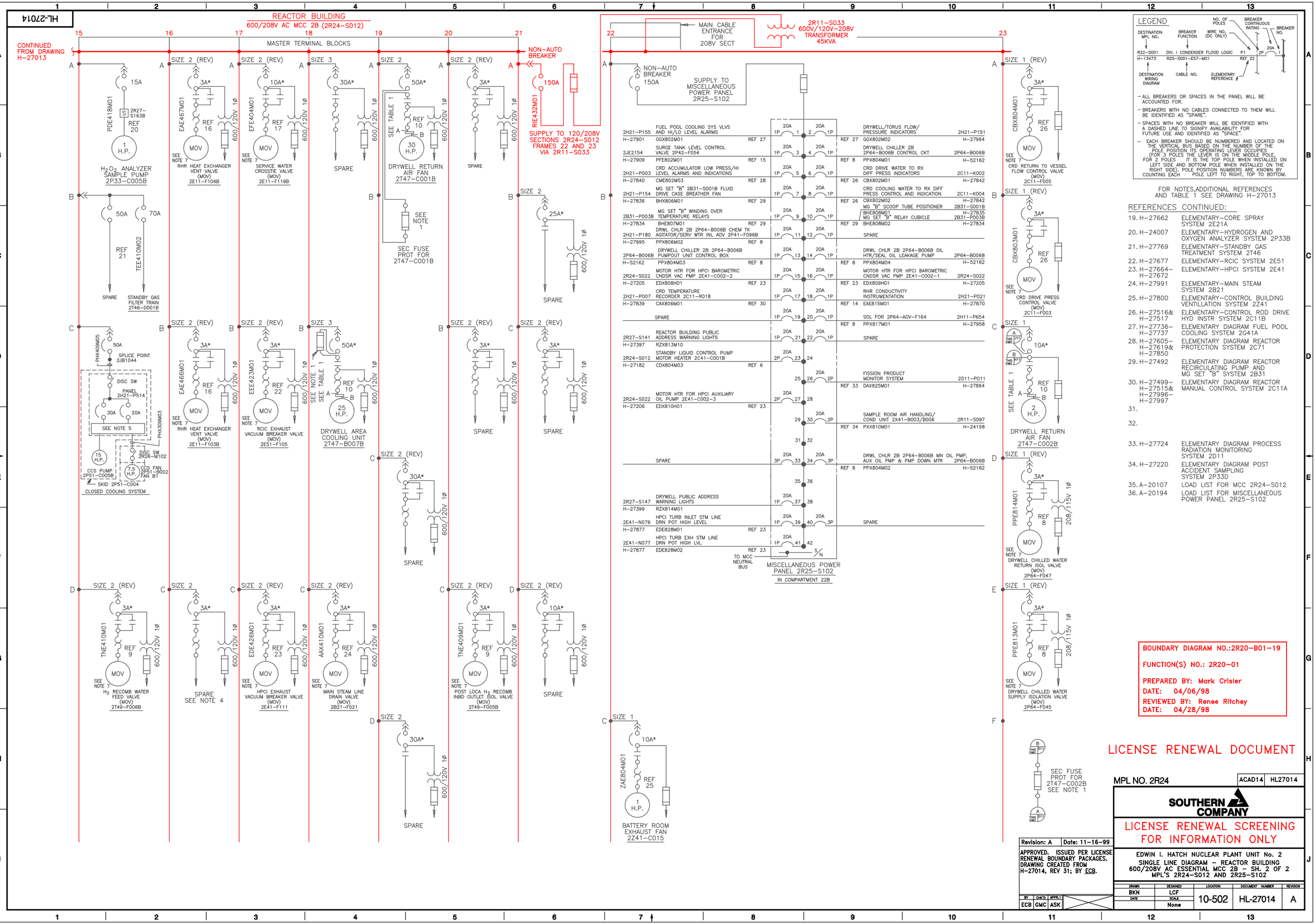
HL-27014
REACTOR BUILDING
600/208V AC MCC 2B (2R24-S012)
MASTER TERMINAL BLOCKS
CONTINUED FROM DRAWING H-27013
NON-AUTO BREAKER
MAIN CABLE ENTRANCE FOR 208V SECT
2R11-S033 600V/120V-208V TRANSFORMER 45KVA
NON-AUTO BREAKER 150A
SUPPLY TO MISCELLANEOUS POWER PANEL 2R25-S102
SUPPLY TO 120/208V SECTIONS 2R24-S012 FRAMES 22 AND 23 VIA 2R11-S033
RIE432M01
H2O2 ANALYZER SAMPLE PUMP 2P33-C005B
PDE418M01
STANDBY GAS FILTER TRAIN 2T46-D001B
TEE410M02
RHR HEAT EXCHANGER VENT VALVE (MOV) 2E11-F104B
EAE467M01
SERVICE WATER CROSSTIE VALVE (MOV) 2E11-F119B
EFE404M01
DRYWELL RETURN AIR FAN 2T47-C001B
SEC FUSE PROT FOR 2T47-C001B
SEE TABLE 1
SEE NOTE 1
SPLICE POINT 2JB1044
PHX409M05
PHX309M03
DISC SW PANEL 2H21-P514
CCS PUMP 2P51-C005B
DISC SW 2R26-M102
CCS FAN 2P51-B002 FAN B1
SKID 2P51-C004
CLOSED COOLING SYSTEM
RHR HEAT EXCHANGER VENT VALVE (MOV) 2E11-F103B
EAE466M01
RCIC EXHAUST VACUUM BREAKER VALVE (MOV) 2E51-F105
EEE423M01
DRYWELL AREA COOLING UNIT 2T47-B007B
H2 RECOMB WATER FEED VALVE (MOV) 2T49-F006B
TNE410M01
HPCI EXHAUST VACUUM BREAKER VALVE (MOV) 2E41-F111
EDE426M01
MAIN STEAM LINE DRAIN VALVE (MOV) 2B21-F021
AAX410M01
POST LOCA H2 RECOMB INBD OUTLET ISOL VALVE (MOV) 2T49-F005B
TNE409M01
BATTERY ROOM EXHAUST FAN 2Z41-C015
ZAE804M01
MISCELLANEOUS POWER PANEL 2R25-S102
IN COMPARTMENT 22B
TO MCC NEUTRAL BUS
2H21-P155 FUEL POOL COOLING SYS VLVS AND HI/LO LEVEL ALARMS
H-27901 GGX802M01 REF 27
2JE2154 SURGE TANK LEVEL CONTROL VALVE 2P42-F054
H-27909 PFE802M01 REF 15
2H21-P003 CRD ACCUMULATOR LOW PRESS/HI LEVEL ALARMS AND INDICATIONS
H-27840 CME802M03 REF 28
2H21-P154 MG SET "B" 2B31-S001B FLUID DRIVE CASE BREATHER FAN
H-27836 BHX806M01 REF 29
2B31-P003B MG SET "B" WINDING OVER TEMPERATURE RELAYS
H-27834 BHE807M01 REF 29
2H21-P180 DRWL CHLR 2B 2P64-B006B CHEM TK AGITATOR/SERV WTR INL AOV 2P41-F096B
H-27995 PPX806M02 REF 8
2P64-B006B DRYWELL CHILLER 2B 2P64-B006B PUMPOUT UNIT CONTROL BOX
H-52162 PPX804M03 REF 8
2R24-S022 MOTOR HTR FOR HPCI BAROMETRIC CNDSR VAC PMP 2E41-C002-2
H-27205 EDX808H01 REF 23
2H21-P007 CRD TEMPERATURE RECORDER 2C11-R018
H-27839 CAX806M01 REF 30
SPARE
2R27-S141 REACTOR BUILDING PUBLIC ADDRESS WARNING LIGHTS
H-27397 RZX813M10
2R24-S012 STANDBY LIQUID CONTROL PUMP MOTOR HEATER 2C41-C001B
H-27182 CDX804M03 REF 6
2R24-S022 MOTOR HTR FOR HPCI AUXILIARY OIL PUMP 2E41-C002-3
H-27206 EDX810H01 REF 23
SPARE
2R27-S147 DRYWELL PUBLIC ADDRESS WARNING LIGHTS
H-27399 RZX814M01
2E41-N076 HPCI TURB INLET STM LINE DRN POT HIGH LEVEL
H-27877 EDE828M01 REF 23
2E41-N077 HPCI TURB EXH STM LINE DRN POT HIGH LVL
H-27877 EDE828M02 REF 23
DRYWELL/TORUS FLOW/PRESSURE INDICATORS 2H21-P151
REF 27 GGX802M02 H-27964
DRYWELL CHILLER 2B 2P64-B006B CONTROL CKT 2P64-B006B
REF 8 PPX804M01 H-52162
CRD DRIVE WATER TO RX DIFF PRESS INDICATORS 2C11-K002
REF 26 CBX802M01 H-27842
CRD COOLING WATER TO RX DIFF PRESS CONTROL AND INDICATION 2C11-K004
REF 26 CBX802M02 H-27842
MG "B" SCOOP TUBE POSITIONER 2B31-S001B
BHE808M01 H-27835
MG SET "B" RELAY CUBICLE 2B31-P003B
REF 29 BHE808M02 H-27834
SPARE
DRWL CHLR 2B 2P64-B006B OIL HTR/SEAL OIL LEAKAGE PUMP 2P64-B006B
REF 8 PPX804M04 H-52162
MOTOR HTR FOR HPCI BAROMETRIC CNDSR VAC PMP 2E41-C002-1 2R24-S022
REF 23 EDX809H01 H-27205
RHR CONDUCTIVITY INSTRUMENTATION 2H21-P021
REF 14 EAE815M01 H-27870
SOL FOR 2P64-AOV-F164 2H11-P654
REF 8 PPX817M01 H-27958
SPARE
FISSION PRODUCT MONITOR SYSTEM 2D11-P011
REF 33 DAX825M01 H-27864
SAMPLE ROOM AIR HANDLING/COND UNIT 2X41-B003/B006 2R11-S097
REF 34 PXX810M01 H-24158
DRWL CHLR 2B 2P64-B006B MN OIL PMP, AUX OIL PMP & PMP DOWN MTR 2P64-B006B
REF 8 PPX804M02 H-52162
SPARE
CBX804M01
CRD RETURN TO VESSEL FLOW CONTROL VALVE (MOV) 2C11-F005
CBX803M01
CRD DRIVE PRESS CONTROL VALVE (MOV) 2C11-F003
DRYWELL RETURN AIR FAN 2T47-C002B
PPE814M01
DRYWELL CHILLED WATER RETURN ISOL VALVE (MOV) 2P64-F047
PPE813M01
DRYWELL CHILLED WATER SUPPLY ISOLATION VALVE (MOV) 2P64-F045
SEC FUSE PROT FOR 2T47-C002B SEE NOTE 1
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 20 20A
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".
- 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.
FOR NOTES,ADDITIONAL REFERENCES AND TABLE 1 SEE DRAWING H-27013
REFERENCES CONTINUED:
19. H-27662 ELEMENTARY-CORE SPRAY SYSTEM 2E21A
20. H-24007 ELEMENTARY-HYDROGEN AND OXYGEN ANALYZER SYSTEM 2P33B
21. H-27769 ELEMENTARY-STANDBY GAS TREATMENT SYSTEM 2T46
22. H-27677 ELEMENTARY-RCIC SYSTEM 2E51
23. H-27664-H-27672 ELEMENTARY-HPCI SYSTEM 2E41
24. H-27991 ELEMENTARY-MAIN STEAM SYSTEM 2B21
25. H-27800 ELEMENTARY-CONTROL BUILDING VENTILLATION SYSTEM 2Z41
26. H-27516& H-27517 ELEMENTARY-CONTROL ROD DRIVE HYD INSTR SYSTEM 2C11B
27. H-27736-H-27737 ELEMENTARY DIAGRAM FUEL POOL COOLING SYSTEM 2G41A
28. H-27605-H-27619& H-27850 ELEMENTARY DIAGRAM REACTOR PROTECTION SYSTEM 2C71
29. H-27492 ELEMENTARY DIAGRAM REACTOR RECIRCULATING PUMP AND MG SET "B" SYSTEM 2B31
30. H-27499-H-27515& H-27996-H-27997 ELEMENTARY DIAGRAM REACTOR MANUAL CONTROL SYSTEM 2C11A
31.
32.
33. H-27724 ELEMENTARY DIAGRAM PROCESS RADIATION MONITORING SYSTEM 2D11
34. H-27220 ELEMENTARY DIAGRAM POST ACCIDENT SAMPLING SYSTEM 2P33D
35. A-20107 LOAD LIST FOR MCC 2R24-S012
36. A-20194 LOAD LIST FOR MISCELLANEOUS POWER PANEL 2R25-S102
BOUNDARY DIAGRAM NO.:2R20-B01-19
FUNCTION(S) NO.: 2R20-01
PREPARED BY: Mark Crisler
DATE: 04/06/98
REVIEWED BY: Renee Ritchey
DATE: 04/28/98
LICENSE RENEWAL DOCUMENT
MPL NO. 2R24
ACAD14 HL27014
SOUTHERN COMPANY
LICENSE RENEWAL SCREENING FOR INFORMATION ONLY
Revision: A Date: 11-16-99
APPROVED. ISSUED PER LICENSE RENEWAL BOUNDARY PACKAGES. DRAWING CREATED FROM H-27014, REV 31; BY ECB.
EDWIN I. HATCH NUCLEAR PLANT UNIT No. 2
SINGLE LINE DIAGRAM - REACTOR BUILDING
600/208V AC ESSENTIAL MCC 2B - SH. 2 OF 2
MPL'S 2R24-S012 AND 2R25-S102
BY ECB CHK'D GMC APPR. ASK
DRAWN BKN DESIGNED LCF SCALE None
LOCATION 10-502 DOCUMENT NUMBER HL-27014 REVISION A