



- NOTE:
- FOR SYMBOLS AND GENERAL NOTES SEE 1-47W611-67-1.
 - SEE ALSO 47W611-13-1.
 - VALVES 0-FCV-67-151, 1-FCV-67-147, 1-FCV-67-146 AND 1-FCV-67-458 ARE ADMINISTRATIVELY LOCKED IN CLOSED POSITION AND VALVES 2-FCV-67-147, 1 & 2-FCV-67-223 AND 1-FCV-67-478 ARE ADMINISTRATIVELY LOCKED IN OPEN POSITION. (WITH BREAKER OPEN) (APPENDIX R)
 - 1 & 2-FSV-67-188, 170, 188 & 190 HAVE BEEN ELECTRICALLY DISCONNECTED AT THE MOTOR CONTROL CENTER DUE TO APPENDIX R INTERACTION.
 - 1-HS-67-143B & 1-HS-67-146B HAVE BEEN DISCONNECTED DUE TO APPENDIX R INTERACTION.
 - POSITION A: TO BE DETERMINED BY FLOW BALANCE TEST.
 - POSITION B: TO BE DETERMINED BY FLOW BALANCE TEST.
 - FLOW CONTROL VALVES (FCV) 2-FCV-67-342, -344, -346, -348, -350, AND -352 HAVE BEEN DISABLED INTO THEIR FAILURE MODE (FULLY OPEN). THESE VALVES WERE INCLUDED IN THE UNIT 1 ERCW BOUNDARY TO FACILITATE LAYOUT, BUT ARE NOT REQUIRED FOR UNIT 1 OPERATION.
 - 2-FCV-67-143 IS ADMINISTRATIVELY LOCKED IN A THROTTLED POSITION AT THE MOTOR CONTROL CENTER. BREAKER IS SET IN THE TRIP POSITION AND VALVE MOTOR WIRING IS DISCONNECTED TO PREVENT UNAUTHORIZED OPERATION. (APPENDIX R AND EQ)
 - FOR UNIT 2 AUXILIARY BUILDING AIR COOLERS TURNED OVER WITH UNIT 1 SEE 1-47W645-7.
 - ISOLATE UNIT 2 SAFETY INJECTION SIGNAL TO PREVENT INADVERTENT VALVE OPENING. (12) & (12) DENOTE UNIT 1 AND UNIT 2 INTERFACE POINTS.
 - 2-FCV-67-146 IS ADMINISTRATIVELY LOCKED IN THE CLOSED POSITION AT THE MOTOR CONTROL CENTER. BREAKER IS SET IN THE TRIP POSITION AND VALVE MOTOR WIRING IS DISCONNECTED TO PREVENT UNAUTHORIZED OPERATION. (APPENDIX R AND EQ)

10	51475	ESJ	JEW	JKA	12-13-05
REVISED PER DCA 51475-01-0.					
REV	CHANGE REF	PREPARER	CHECKER	APPROVED	DATE
					EXCEPT AS NOTED

PROJECT FACILITY
POWERHOUSE
UNITS 1 & 2

TITLE
**ELECTRICAL
LOGIC DIAGRAM
ESSENTIAL RAW COOLING WATER**

1	WATTS BAR NUCLEAR PLANT TENNESSEE VALLEY AUTHORITY			Q
DESIGN	INITIAL ISSUE	ENGINEERING APPROVAL		
DRAFTER J.A. TALLEY/CNC	CHECKER FRANK LAYFIELD	RO ISSUE PER	1 GARY BARNARD	
DESIGNER GARY BARNARD	REVIEWER R.L. FORESTER	EAI 3.10 & RIMS 128 '92 0128 807	2 ROBERT D. MURR	
DATE 3/5/92	85	E	3 C.C. LYKE FOR MCB	
ISSUED BY: R.M. JOHNSON		1-47W611-67-5		
PRINTS REQ'D R		R10		