

38 E 56W1740-WD-01

GENERAL DISCUSSION

1. THE SYSTEM SCHEMATIC REFLECTS THE IMPLEMENTATION OF THE SYSTEM FUNCTIONAL, CONTROL, LOGIC DIAGRAM AND APPLICABLE CABLEING. THE PLENUM, ENCLOSURE, AND/OR EQUIPMENT ROOMS ARE IDENTIFIED BY REFERENCE TO THE SYSTEM'S REFERENCED DOCUMENTATION FOR THE SOLID STATE CONTROL SYSTEM. THIS MAY BE USED IN CONJUNCTION WITH THE SYSTEM SCHEMATIC IN EVALUATING CABLEING.
2. PORTIONS OF THE SYSTEM SCHEMATIC ARE SHOWN OUT-OF-FUNCTION. THESE OUT-OF-FUNCTION PORTIONS ARE SHOWN FOR INFORMATION. WITH REFERENCES TO THE SYSTEM'S REFERENCED DOCUMENTATION, THE USER CAN DETERMINE THE FUNCTIONALITY OF THESE PORTIONS.
3. INTERFACE NUMBERS ARE ASSIGNED TO EACH POINT OF INTERFACE WITH THE SSCS. THESE NUMBERS APPEAR ON THE CONTROL, LOGIC, SSCS CIRCUIT, TERMINAL, AND/OR CABLE. THE PURPOSE IS TO FACILITATE MOVEMENT BETWEEN THESE DOCUMENTS.
4. SSCS CABLE SHIELDS ARE TERMINATED ON THE SHIELD GROUND BUS LOCATED ADJACENT TO THE TERMINAL BLOCKS. TERMINATION POINTS ON THE SHIELD ARE NOT INDICATED IN THE CABLE INFORMATION.
5. ALL WIRED CABLE DESTINATIONS ARE PRECEDED BY THE JUMPER NUMBER OTHERWISE SHOWN.
6. JUMPER DESTINATIONS ARE FORMED BY PREFIXING THE JUMPER NUMBER SHOWN ON THE SCHEMATIC WITH THE UNITS OF THE ENCLOSURE AND SYSTEM DESIGNATION. THE SSCS CABLES ARE PREFIXED BY THE SSCS CABLE IDENTIFICATION NUMBER.
7. SEE SYSTEM NO. AND KL CABLE PROGRAM FOR COMPLETE CABLE INFORMATION INCLUDING SPARE CONNECTIONS. ONLY THOSE CONNECTIONS USED ON TERMINATED CABLES ARE SHOWN.
8. ALL CABLES EXCEPTING THOSE SHOWN IN THE DE-ENERGIZED STATE, HAVE SPECIFIC ENTRANCES ARE INDICATED FOR CABLES ENTERING EQUIPMENT THAT HAVE MORE THAN ONE ENTRANCE PER DIVISION OF SEPARATION.
9. EXAMPLE: ENT 1
ALL OF THE ENTRANCE NUMBERS SHOWN WILL BE SUPERSEDED BY AS BUILT DRAWINGS OF DIFFERENT NUMBERS, FOR A CROSS-REFERENCE BETWEEN THE SYSTEM'S SCHEMATIC AND THE "MANAGEMENT SYSTEM (MAINS) VENDOR" INFORMATION FILE.
10. SYSTEM SCHEMATIC SHOWS AND DOCUMENTS CABLE CONFIGURATION.

REFERENCE DRAWINGS:

WIZING DIAGRAM BOB CAB. C.B.M.	SC6037-JE
WIZING CRITERIA DIAGRAM WASTE DISPOSAL SYSTEM	20W040-BO
FUNCTIONAL CONTROL LOGIC DIAGRAM WASTE DISPOSAL SYSTEM	20W090-BO
400W MCC COMPARTMENT TYPICALS	50W047-RP
WIRING DIAGRAMS, LOCAL CONTROL/TEST STATIONS STANDARD WIRING	56B007-JL
MOTOR OPERATED VALVE STANDARD DRAWING WIRING DIAGRAM	56B071-NV
SCHEMATIC DIAGRAM ANNUNCIATOR AND SEQUENTIAL EVENTS RECORDING SYSTEM	56B160-TA
SOLID STATE CONTROL SYSTEM DIAGRAM	56W043-JL
SCHEMATIC DIAGRAM STATUS, ENVIRONMENTAL, AND ALARM MONITORING SYSTEM (SCMS)	56W046-JS
WIRING DIAGRAM PWR DISTR. RELAY CABINET	56W161-JT
SYSTEM SCHEMATIC 250V DC NORMAL PWR DISTRIBUTION SYSTEM	56W040-EP
B & P NKS5, TRA INSTRUMENT NO. FIC22 54114-2	
BOB NUCLEAR CONSTRUCTION (NKS) SCHEMATIC	02 231580
	02 231600
LOCAL WASTE DISPOSAL SYSTEM PANEL SCHEMATICS:	
	02 23749N
	02 23750N
SCHEMATIC DIAGRAM ENGINEERED SAFETY FEATURES ACTIVATION SYSTEM	56W040-ED
SCHEMATIC DIAGRAM PANEL COMPUTER SYSTEM	56W040-ED

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MOI XXXX	INTERFACE TO STATUS, ENVIRONMENTAL, ALARM MONITORING SYSTEM (SEAMS) (XXXX - POINT NUMBER)
AI XXXX	ANALOGICATOR SYSTEM INTERFACE (XXXX - POINT NUMBER)
EB	VOLTAGE BUFFER
IB	CURRENT BUFFER
H/L	HIGH AND LOW COMPARATOR AND RELAY MODULE
MB/V	MILLIVOLTAGE TO VOLTAGE MODIFIER
RB	BRIDGE
E/I	VOLTAGE TO CURRENT MODIFIER
I/E	CURRENT TO VOLTAGE MODIFIER
LOG XXXX	INTERFACE TO (PLC/DC) COMPUTER SYSTEM (XXXX - POINT NUMBER)

PRC
APERTURE
CARD

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COMPANION DRAWINGS
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REVIEWED		BELLEFONTE NUCLEAR PLANT TENNESSEE VALLEY AUTHORITY DIVISION OF ENGINEERING DESIGN		(N)
REC'D (V) - W/A	- - - -	SUBMITTED	RECOMMENDED	APPROVED
REC'D (E) - W/A	- - - -	<i>Dick Smith</i>	<i>W. L. Brown</i>	<i>E. M. Brown</i>
REC'D (M) - W/A	- - - -	KNOXVILLE	7-7-79	BS E 5CW1740-WD-R1 R2
INSPECTED AND APPROVED FOR ISSUE		DESIGN DRAWING NO.		
PAGE	OF TOTAL PAGES	SECTION SHOWN ARE CONSTRUCTED		
SIZE	DATE			

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