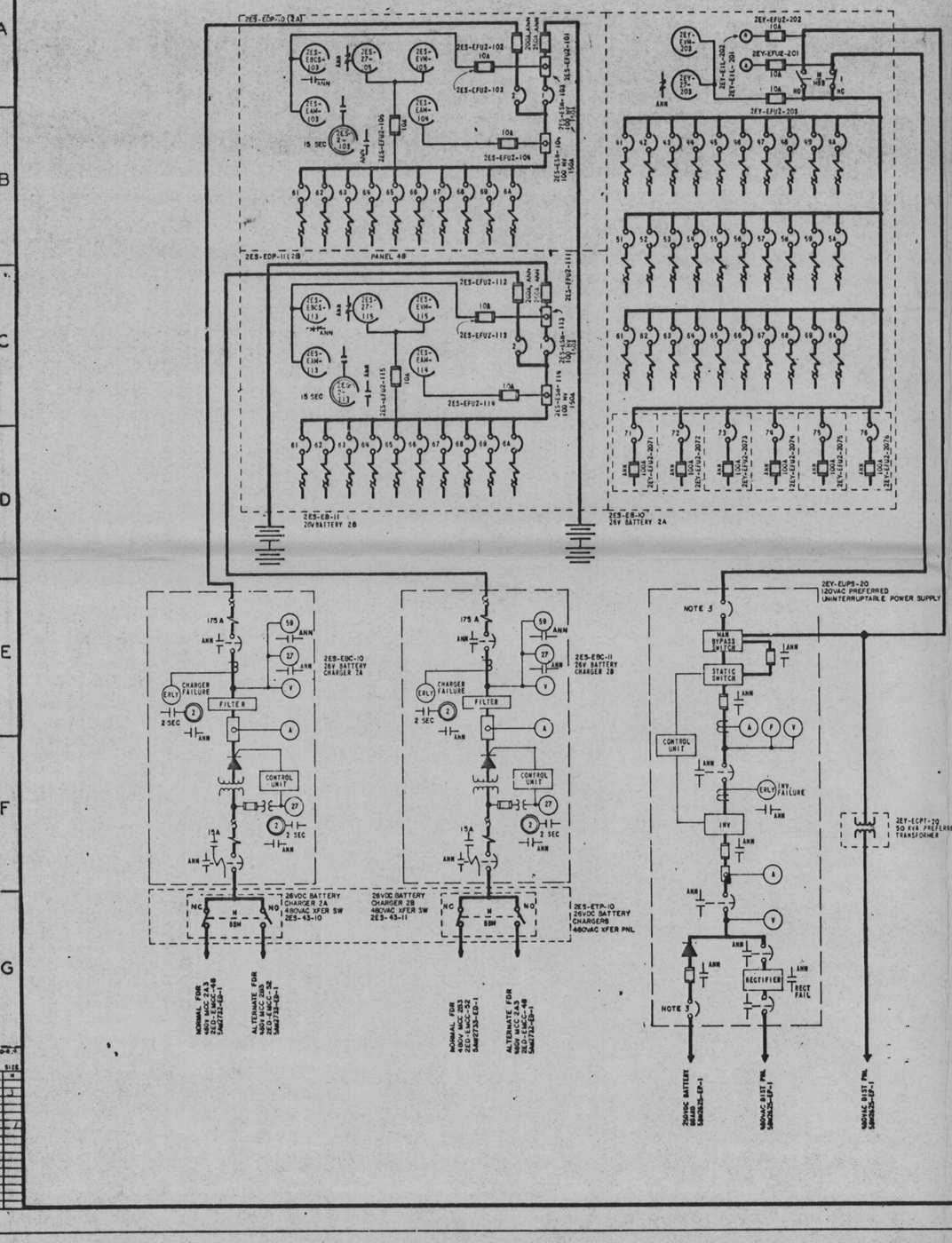

FUSE ARR UNID	
FUSE	ANN. FUSE
2ES-EFU2-102	2ES-EFF2-102
2ES-EFU2-101	2ES-EFF2-101
2ES-EFU2-112	2ES-EFF2-112
2ES-EFU2-111	2ES-EFF2-111
2EY-EFU2-2071	2EY-EFF2-2071
2EY-EFU2-2072	2EY-EFF2-2072
2EY-EFU2-2073	2EY-EFF2-2073
2EY-EFU2-2074	2EY-EFF2-2074
2ES-EFU2-2075	2EY-EFF2-2075
2EY-EFU2-2076	2EY-EFF2-2076

CIRCUIT SCHEDULE

PNL	BKR	UNID	FRAME	TRIP	CABLE	CIRCUIT
4A	2	2ES-72-102	250	NOTE 1	2EP-EC44-23	26V BATTERY CHARGER 2A
4A	1	2ES-72-101	250	"	2EP-EC44-26,27	26V BATTERY 2A
4A	61	2ES-72-1061	100	15		
4A	62	2ES-72-1062	100	15		LOAD BREAK SW CONTROL 2EX-IE-0054
4A	63	2ES-72-1063	100	15		TURBINE SUPERVISING 2EX-IE-009
4A	64	2ES-72-1064	100	15		DECONTIC FOR GENERATOR COOLING 2EX-IXPT-004
4A	65	2ES-72-1065	100	30		
4A	66	2ES-72-1066	100	30		GENERATOR EXCITATION 2YE-EC48-E002
4A	67	2ES-72-1067	100	50		
4A	68	2ES-72-1068	100	50		TURBOMATIC 2EX-IE-003A
4A	69	2ES-72-1069	100	50		TURBOTROL W 2EX-IE-002A
4A	6A	2ES-72-106A	100	100		DECONTIC FOR TURBINE/CONDENSING PLANT AUXILLIARIES 2EX-IE-001A
4B	2	2ES-72-112	250	NOTE 1	2EP-EC44-25	26V BATTERY CHARGER 2B
4B	1	2ES-72-111	250	"	2EP-EC44-30,38	26V BATTERY 2B
4B	61	2ES-72-1161	100	15		
4B	62	2ES-72-1162	100	15		
4B	63	2ES-72-1163	100	15		TURBINE SUPERVISING 2EX-IE-004
4B	64	2ES-72-1164	100	15		DECONTIC FOR GENERATOR COOLING 2EX-IXPT-004
4B	65	2ES-72-1165	100	30		
4B	66	2ES-72-1166	100	30		GENERATOR EXCITATION 2YE-EC48-E002
4B	67	2ES-72-1167	100	50		
4B	68	2ES-72-1168	100	50		TURBMATIC 2EX-IE-003A
4B	69	2ES-72-1169	100	50		TURBOTROL W 2EX-IE-002A
4B	6A	2ES-72-116A	100	100		DECONTIC FOR TURBINE/CONDENSING PLANT AUXILLIARIES 2EX-IE-001A
5	1	2EY-43-201	600		2EP-EC44-10	120VAC PRF PWR UPS, HDR (NOTE 2)
5	3	2EY-43-203	600		2EP-EC44-7	120 VAC PRF PWR TRANSFORMER ALT (NOTE 2)
5	41	2EY-52-2041	100	15		BORON CONCENTRATION ANALYZER 2NV-1AE-943
5	42	2EY-52-2042	100	15	2EP-EC43-44	26V DISTR PNL 2ES-EDP-11 INSTM
5	43	2EY-52-2043	100	15	2EP-EC43-34	250V BAT BD 2EP-EBB-01, 26V DISTR PNL 2ES-EDP-10 INSTM
5	44	2EY-52-2044	100	15		CONTROL ROD DRIVE SYSTEM LOGIC 2EX-IE-018A
5	45	2EY-52-2045	100	15		CONTROL ROD DRIVE TRANSFER INTERFACE 2EX-IE-017C
5	46	2EY-52-2046	100	30		
5	47	2EY-52-2047	100	30		120VAC PRF PWR DISTR PNL 2EY-EDP-22
5	48	2EY-52-2048	100	30		
5	49	2EY-52-2049	100	50		
5	4A	2EY-52-204A	100	50		SSCS-AUX INSTR RM 2EX-IE-013
5	51	2EY-52-2051	100	15		SSCS-ISOLATION SUP 2EX-IS-003,005,007,013-B
5	52	2EY-52-2052	100	15		120 VAC INSTR PWR DIST PNL 2EZ-EDP-40 INSTM
5	53	2EY-52-2053	100	15		
5	54	2EY-52-2054	100	15		CHG TRIP RKR 2NB-52-014-K
5	55	2EY-52-2055	100	15		PROTECTION SYS AUX CABINET 2EX-IE-023A
5	56	2EY-52-2056	100	30		
5	57	2EY-52-2057	100	30		120V AC PRF PWR DISTR PNL 2EY-EDP-29
5	58	2EY-52-2058	100	30		NON-NUCLEAR INSTRUMENTATION 2EX-IE-019A
5	59	2EY-52-2059	100	50		
5	5A	2EY-52-205A	100	50		SSCS-AUX CONT RM 2EY-AA-001
5	61	2EY-52-2061	100	15		
5	62	2EY-52-2062	100	15		
5	63	2EY-52-2063	100	15		SEQUENTIAL EVENTS RECORDER 2EX-IE-020D
5	64	2EY-52-2064	100	15		SSCS-ISOLATION SUP 2EA-IR-003,005,007,013-A
5	65	2EY-52-2065	100	30		
5	66	2EY-52-2066	100	30		INTEGRATED CONTROL SYSTEM 2EX-II-001E
5	67	2EY-52-2067	100	30		
5	68	2EY-52-2068	100	30		UNIT ANNUNCIATOR 2EX-IE-020D
5	69	2EY-52-2069	100	50		SSCS-AUX CONT RM 2EX-IA-005
5	6A	2EY-52-206A	100	50		SSCS-AUX CONT RM 2EX-IA-007
5	71	2EY-52-2071	250	NOTE 5		
5	72	2EY-52-2072	250	"		
5	73	2EY-52-2073	250	"		
5	74	2EY-52-2074	250	"	DEP-EC44-16	ELECTRICAL CONTROL RM DISTR PNL 2EY-EDP-05 ALT FDR
5	75	2EY-52-2075	250	"	1EP-EC44-52	UNIT CONTROL RM DISTR PNL 1EY-EDP-21 ALT FDR (PNL 1EX-IN-021)
5	76	2EY-52-2076	250	"	2EP-EC44-59	UNIT CONTROL RM DISTR PNL 2EY-EDP-21 NOR FDR (PNL 2EX-IN-021)

GENERAL NOTES AND REFERENCES ON 5BW2625-EP-1.

NOTES:

1. BREAKERS 1 AND 2 OF PANELS 2ES-EDP-10 AND 2ES-EDP-11 ARE NON-AUTOMATIC
2. TRANSFER SWITCH 1 HAS MAKE-BEFORE-BREAK OPERATION. GEM CONTROLS INC TYPE NNL 600.
3. DESIGNATED BREAKERS ON THE PREFERRED DISTRIBUTION PANEL 2EY-EDP 20 AND THE PREFERRED UNINTERRUPTIBLE POWER SUPPLY ARE NON-AUTOMATIC.
4. 26V BATTERY BOARD MAIN FEED FUSES ARE BUSS TYPE FRS.
5. 26V BATTERY BOARD CHARGER FEED FUSES ARE BUSS TYPE KTN.
6. TRANSFORMER 2EY-ECPT-20 IS 50 KVA, 1Ø 5%Z.
7. 26V TURBINE BATTERY SYSTEMS 2A&2B, AND 120VAC PREFERRED SYSTEM ARE EACH SINGLE-POINT GROUNDED SYSTEMS.
8. 120VAC PREFERRED 100A BRANCH FUSES ARE BUSS TYPE FRN.
9. 26VDC SYSTEM VOLTAGE IS A MAXIMUM OF 30.3V AT EQUALIZE AND A MINIMUM OF 24.09V AT BATTERY DISCHARGE.

Docket 50-483
Control 8304050536
Date 3-25-83 of Document
REGULATORY DOCKET FILE

4	SI	12172	CDP	WR	BSH	AC	WMS		MWDLS	RWB					
REVISED FUSE UNIDS PER FCR E-2572 REVISED PANEL NUMBER ON CKR 2EY-52-2074.															
3	1140	5-5-81	CDP	MW	BFH	DFC	BWS		MWDLS	RWB					
REVISED LOADS, MISC CHANGES.															
2	SI	7-23-79	CDP	JFC	KBH	BSH	BWS		MWDLS	RWB					
MINOR LOAD REVISIONS.															
1	SI, 1154	1-10-78	CDP	RSF	BLW	DFC	WMS		MWS	WDLS	RWB				
REV. TO NFGR'S DWGS, MODIFIED UNID NO'S, LOADS AND NOTES.															
REV NO.	ECN NO.	DATE	DSGN	DRWN	CHKD	SUPV	ENGR	INSP	TECH REVIEW	ENGR APPR					
DSGN	S.G. PETERSON							INSP							
DRWN	J.H. WORKMAN/ABEL														
CHKD	M.E. TATUM							ENGINEER							
SUPV	R.K. CONNELLY														

POWERHOUSE
UNIT 2

SINGLE LINE
26V DC TURBINE BATTERY &
120V AC PLANT PREFERRED SYSTEMS

BELLEFONTE NUCLEAR PLANT
TENNESSEE VALLEY AUTHORITY
DIVISION OF ENGINEERING DESIGN

N

SUBMITTED	RECOMMENDED	APPROVED
M.D. Atkinson	J.L. Lovvorn	R.M. Hodges

KNOXVILLE 8-28-74 | 88 | E | 5BW2625-EP-02 M

RECORD DRAWING AS CONSTRUCTED

PRC APERTURE CARD

INSPECTED AND APPROVED FOR ISSUE