

A

B

C

D

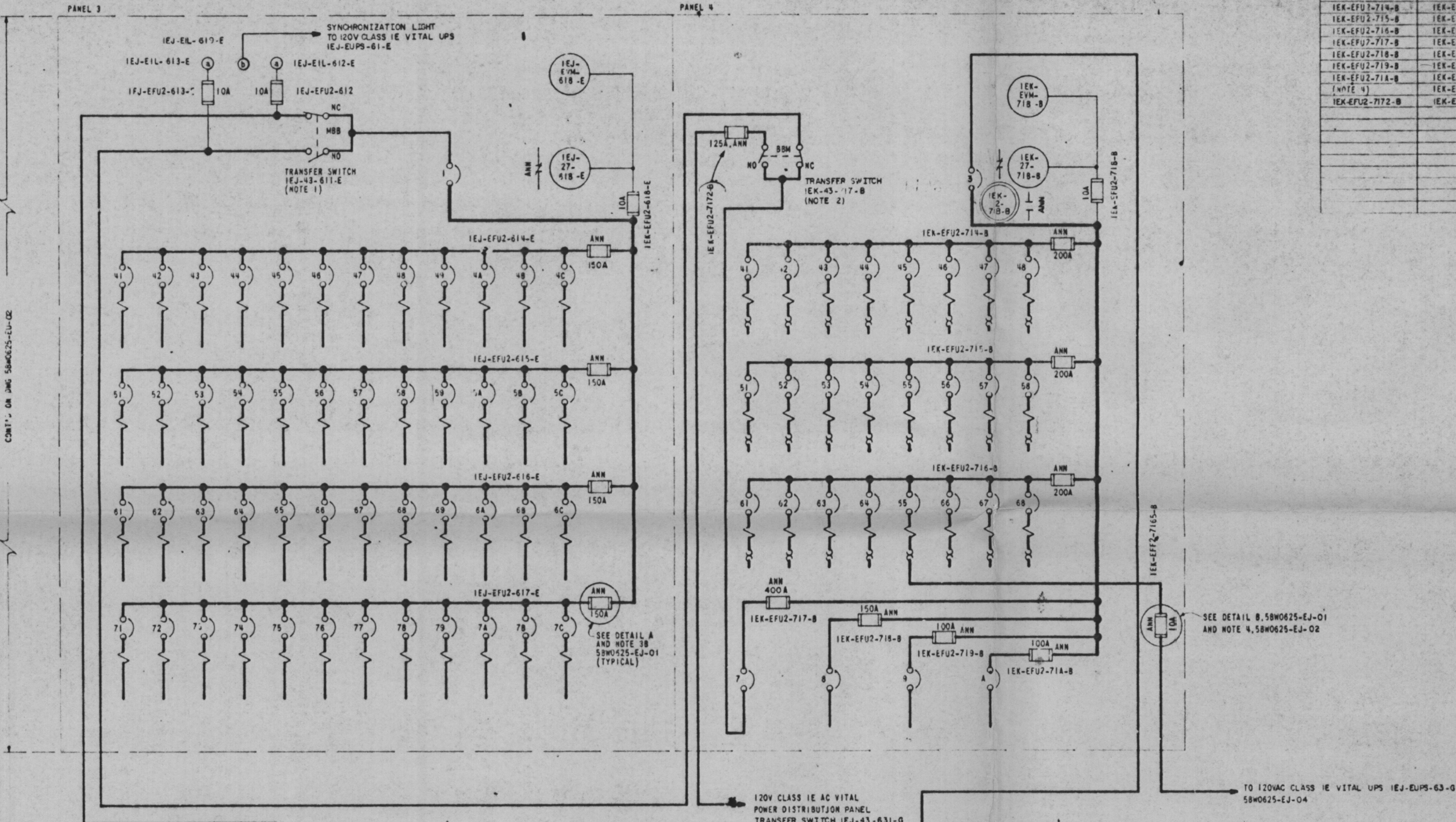
E

F

G

120V CLASS IE AC VITAL POWER DISTRIBUTION PANEL IEJ-EOP-61-E

120V CLASS IE AC AUXILIARY POWER DISTRIBUTION PANEL IEK-EOP-71-B



FUSE	ANN FUSE	FUSE CAT
IEJ-EF02-614-E	IEJ-EF02-614-E	4
IEJ-EF02-615-E	IEJ-EF02-615-E	5
IEJ-EF02-616-E	IEJ-EF02-616-E	6
IEJ-EF02-617-E	IEJ-EF02-617-E	7
IEK-EF02-714-B	IEK-EF02-714-B	4
IEK-EF02-715-B	IEK-EF02-715-B	5
IEK-EF02-716-B	IEK-EF02-716-B	6
IEK-EF02-717-B	IEK-EF02-717-B	7
IEK-EF02-718-B	IEK-EF02-718-B	8
IEK-EF02-719-B	IEK-EF02-719-B	9
IEK-EF02-71A-B	IEK-EF02-71A-B	A
(NOTE 1)	IEK-EF02-7165-B	65
IEK-EF02-7172-B	IEK-EF02-7172-B	72

PHL	BRK	UNID	FRAME	TRIP	CABLE	CIRCUIT
3	1	IEJ-52-611-E	100	-	IEJ-EC04-07-E	120V CLASS IE AC VITAL UNINTERRUPTIBLE POWER SUPPLY IEJ-EUPS-61-E
3	2	IEJ-52-611-E	600	-	-	120V CLASS IE AC AUXILIARY POWER DISTRIBUTION PANEL IEK-EOP-71-B
3	1	IEJ-52-611-E	225	-	-	120V CLASS IE AC VITAL POWER DISCONNECT SWITCH
3	41	IEJ-52-614-E	100	15	-	
3	42	IEJ-52-614-E	100	15	-	
3	43	IEJ-52-614-E	100	15	-	
3	44	IEJ-52-614-E	100	15	-	BOP INSTR IX-ES-018C-B
3	45	IEJ-52-614-E	100	15	-	BOP INSTR IX-ES-018B-B
3	46	IEJ-52-614-E	100	15	-	BOP INSTR IX-ES-018A-B
3	47	IEJ-52-614-E	100	15C	-	
3	48	IEJ-52-614-E	100	15C	-	(TRIP) CHANNEL E IEX-EM-CXC-E
3	49	IEJ-52-614-E	100	30	-	
3	4A	IEJ-52-614-E	100	30	-	
3	4B	IEJ-52-614-E	100	50	-	ESFAS DIGITAL SUBSYSTEM B, PPL 1, IEX-DM-010M-B
3	4C	IEJ-52-614-E	100	50	-	SSCS IEX-ES-012-F
3	51	IEJ-52-615-E	100	15	-	
3	52	IEJ-52-615-E	100	15	-	
3	53	IEJ-52-615-E	100	15	-	BOP ISOLATOR IEX-ESOL-147-B (2IX-ESOL-247-B)
3	54	IEJ-52-615-E	100	15	-	BOP ISOLATOR IEX-ESOL-149-B (2IX-ESOL-249-B)
3	55	IEJ-52-615-E	100	15	-	SYS VK PWR DISTR IEX-ES-002-B (UNIT 1 ONLY)
3	56	IEJ-52-615-E	100	15	-	120V CLASS IE DC PWR DISTR PNL IEJ-ECP-51A-E INSTRUMENTS
3	57	IEJ-52-615-E	100	15C	-	IEJ-ECAS-91-E
3	58	IEJ-52-615-E	100	15C	-	
3	59	IEJ-52-615-E	100	30	-	
3	5A	IEJ-52-615-E	100	30	-	
3	5B	IEJ-52-615-E	100	50	-	ESFAS DIGITAL SUBSYSTEM B PPL 2, IEX-DM-010M-B
3	5C	IEJ-52-615-E	100	50	-	SSCS IEX-ES-003-B
3	61	IEJ-52-616-E	100	15	-	
3	62	IEJ-52-616-E	100	15	-	
3	63	IEJ-52-616-E	100	15	-	BOP INSTR IX-ES-016-E (UNIT 1 ONLY)
3	64	IEJ-52-616-E	100	15	-	BOP INSTR IX-ES-016M-B
3	65	IEJ-52-616-E	100	15	-	BOP INSTR IX-ES-016G-B
3	66	IEJ-52-616-E	100	15	-	(FCI-F) IEX-ES-009-B
3	67	IEJ-52-616-E	100	15C	-	
3	68	IEJ-52-616-E	100	15C	-	INC-UPV-058-B PRESS RELIEF
3	69	IEJ-52-616-E	100	30	-	
3	6A	IEJ-52-616-E	100	30A	-	
3	6B	IEJ-52-616-E	100	50A	-	SSCS IEX-ES-017-B
3	6C	IEJ-52-616-E	100	50A	-	SSCS IEX-ES-005-B
3	71	IEJ-52-617-E	100	15	-	
3	72	IEJ-52-617-E	100	15	-	
3	73	IEJ-52-617-E	100	15	-	BOP ISOLATOR IEX-ESOL-151-B (2IX-ESOL-251-B)
3	74	IEJ-52-617-E	100	15	-	BOP ISOLATOR IEX-ESOL-152-B (2IX-ESOL-252-B)
3	75	IEJ-52-617-E	100	15	-	BOP ISOLATOR IEX-ESOL-156-B (2IX-ESOL-256-B)
3	76	IEJ-52-617-E	100	15	-	BOP ISOLATOR IEX-ESOL-159-B (2IX-ESOL-259-B)
3	77	IEJ-52-617-E	100	15C	-	
3	78	IEJ-52-617-E	100	15C	-	
3	79	IEJ-52-617-E	100	30	-	
3	7A	IEJ-52-617-E	100	30	-	IEJ-ECAS-10-E
3	7B	IEJ-52-617-E	100	30A	-	
3	7C	IEJ-52-617-E	100	50A	-	
4	1	IEK-43-717-B	600	-	-	SSCS IEX-ES-007-B
4	2	IEK-43-717-B	600	-	IEJ-EC04-40-B	120V CLASS IE AC VITAL POWER DISTRIBUTION PANEL IEJ-EOP-61-E
4	3	IEK-52-711-B	600	-	IEJ-EC04-25-B	120V CLASS IE AC VITAL POWER DISTRIBUTION PANEL IEK-EOP-63-B
4	41	IEK-52-714-B	100	15	-	120V CLASS IE AC AUXILIARY POWER TRANSFORMER IEK-EOPT-71-B
4	42	IEK-52-714-B	100	15	-	
4	43	IEK-52-714-B	100	15	-	MAIN STEAM SOL VALVES ISM-IFSV-057-B, 058-B
4	44	IEK-52-714-B	100	15	-	IEX-EM-007 MCR METER ILLUMINATION
4	45	IEK-52-714-B	100	15	-	ESSENTIAL AIR DRYER PNL-TOMY-320-B
4	46	IEK-52-714-B	100	30	-	RAD MON INSTR IEX-EM-020
4	47	IEK-52-714-B	100	50	-	SSCS IEX-ES-019-B
4	48	IEK-52-714-B	100	50	-	SSCS IEX-ES-003-B
4	51	IEK-52-715-B	100	15	-	
4	52	IEK-52-715-B	100	15	-	
4	53	IEK-52-715-B	100	15	-	
4	54	IEK-52-715-B	100	15	IEJ-ECAS-75-E	120V CLASS IE AC VITAL UPS IEJ-EUPS-61-E SYNC SIGNAL
4	55	IEK-52-715-B	100	15	-	(FCI-F) IEX-ES-009-B
4	56	IEK-52-715-B	100	30	-	SYS VK PWR DISTR IEX-ES-002-B (UNIT 1 ONLY)
4	57	IEK-52-715-B	100	30	-	SYS VK PWR DISTR IEX-ES-002-B (UNIT 1 ONLY)
4	58	IEK-52-715-B	100	50	-	SSCS IEX-ES-005-B
4	61	IEK-52-716-B	100	15	-	
4	62	IEK-52-716-B	100	15	-	
4	63	IEK-52-716-B	100	50	-	SSCS IEX-ES-017-B
4	64	IEK-52-716-B	100	15	-	
4	65	IEK-52-716-B	100	15	IEJ-ECAS-94-B	120V CLASS IE AC VITAL UPS IEJ-EUPS-63-G SYNC SIGNAL
4	66	IEK-52-716-B	100	30	-	
4	67	IEK-52-716-B	100	30	IEJ-ECAS-104-B	120V CLASS IE AC VITAL UPS IEJ-EUPS-63-G SYNC SIGNAL
4	68	IEK-52-716-B	100	50	-	SSCS IEX-ES-007-B
4	7	IEK-52-717-B	225	-	-	120V CLASS IE AC VITAL POWER DISTRIBUTION PNL TRANS SW
4	8	IEK-52-718-B	225	-	IEJ-EC04-98-B	120V CLASS IE AC VITAL POWER DISTRIBUTION PNL TRANS SW
4	9	IEK-52-719-B	225	-	-	
4	A	IEK-52-71A-B	225	-	-	

- GENERAL NOTES, DETAILS, AND REFERENCES ON 04-0625-EJ-01 NOTES:
- TRANSFER SWITCH IEJ-43-611-E HAS MAKE-BEFORE-BREAK OPERATION. ALTERNATE POSITION SELECTION CLOSURES AUXILIARY CONTACT (WIRED OUT FOR ANNUNCIATION).
 - TRANSFER SWITCH IEK-43-717-B HAS BREAK-BEFORE-MAKE OPERATION.
 - BREAKERS 41-7C ARE HEWLETT SERIES OF, CURVE 3, MAGNETIC-HYDRAULIC CIRCUIT BREAKERS. "C" INDICATES HIGH-INRUSH MODEL CURVE 30 (PANEL 3 ONLY).
 - FUSE IEK-EFF-7165-B IS ANNUNCIATING TYPE USED FOR CIRCUIT PROTECTION.
 - ALL BRANCH OR FEEDER FUSES IN PANEL 3 ARE BUSS TYPE 4TH OR EQUAL, EXCEPT AS NOTED.
 - ALL BRANCH OR FEEDER FUSES IN PANEL 4 ARE BUSS TYPE 4TH OR EQUAL, EXCEPT AS NOTED.
 - BREAKER 1 OF PANEL 3 AND BREAKERS 3, 7, 8, 9 AND A OF PANEL 4 ARE NON-AUTOMATIC.

Docket # 50-438
Control # 8304650530
Date 3-25-83 of Document
REGULATORY DOCKET FILE

PRC
APERTURE
CARD

1	ECH-SI	3-15-77	OP	KOP	DES	DEC	100						
2	ECH-SI	2-10-77	OP	KOP	DES	DEC	100						
3	ECH-SI	3-11-75	OP	KOP	DES	DEC	100						

SYN LIGHT BY MFR.

REV	NO	DATE	BY	CHKD	APPV	ENGR	INSP	APPV
1	1	3-25-83

POWERHOUSE
UNITS 1-2
SINGLE LINE
120 V CLASS IE AC VITAL POWER DISTRIBUTION SYSTEM - CHANNEL E
120 V CLASS IE AC AUXILIARY POWER DISTRIBUTION SYSTEM - TRAIN B

BELLEFONTE NUCLEAR PLANT
TENNESSEE VALLEY AUTHORITY
DIVISION OF ENGINEERING DESIGN

SUBMITTED: [Signature]
RECOMMENDED: [Signature]
APPROVED: [Signature]

FSAR FIG. B.3.1-18
INSPECTED AND APPROVED FOR ISSUE

KNOXVILLE 88 E SBW0625-EJ-02

FSAR