



- NOTES:
- 120V AC INSTRUMENT POWER DISTRIBUTION PANEL IEZ-EDP-43
 - PANEL IS PROVIDED ON CONTRACT NO. 7844-823705.
 - PANELBOARDS IS 100 AMPERE FRAME, 10,000 AMPERE-MS SYMMETRICAL SHORT CIRCUIT CAPACITY AT 240V AC WITH NEAR ENCLOSED SIMILAR TO WESTINGHOUSE TYPE WFB OR EQUIV.
 - THE MAIN CIRCUIT BREAKER IS 100 AMPERE FRAME, 100 AMPERE, 2 POLE, 600V, 7" HAVING MINIMUM RESISTING CURRENT RATING OF 1000 A FOR OPERATION LESS THAN 0.167 SECONDS, 2500 AMPS FOR OPERATION LESS THAN 167 SECONDS AND 8000 AMPS FOR OPERATION LESS THAN 1 SECOND. WESTINGHOUSE TYPE WFB OR EQUIV.
 - FUSED INDICATED INDICATOR IS A TRANSFORMER TYPE LIGHT UNIT WITH AN AMBER LENS, CUTLER-HAMMER 100S0710100P OR EQUIV.
 - ANNUNCIATING AND INDICATING WIRE IS 16 AWG, SINGLE CONDUCTION, TETZEL INSULATED.
 - SPRING CIRCUIT BREAKERS ARE TRIP RATED AS SHOWN ON THE SCHEMATIC, 10,000 AMPERE, 10,000 AMPERE-MS SYMMETRICAL INTERRUPTING CAPACITY AT 240V AC, 2 POLE, WESTINGHOUSE TYPE EB OR EQUIV.
 - THE UNDERVOLTAGE RELAY SENSES AN ABSENCE OF VOLTAGE AND PROVIDES CONTACT OPENING DELAYED BY 10 SECONDS, SET BY STILG, AND DOES NOT OPEN IF VOLTAGE IS REAPPLIED PRIOR TO THE END OF THE 10 SECOND DELAY. 120V AC, 50HZ, 200V SWITCH, ABSTAY 2000 SERIES OFF-DELAY, MODEL NO. P022AC OR EQUIV.
 - THE 10 AMPERE FUSES FOR INDICATING LAMP AND TIME DELAY RELAY ARE BUSMAN FUSION FAN OR EQUIV. WIRES SUPPLYING FUSES SHALL BE AS SHORT AS POSSIBLE AND EACH WIRE ISOLATED FROM ALL OTHER WIRES.
 - TBA IS 0 POINT, 30 AMP, SCREEN TYPE, 600V, BUCHHOLZ OTPI OR EQUIV.
 - PANEL ACCESS TO BE ADMINISTRATIVELY CONTROLLED. (PANEL DOOR LOCKED WITH ALL BREAKERS OPEN DURING NORMAL OPERATIONS.)
 - 120V AC INSTRUMENT POWER TRANSFORMER IEZ-ECPT-42
 - TRANSFORMER IS PROVIDED ON CONTRACT NO. 78413-822814.
 - DRY-TYPE TRANSFORMER, 240-400-120/240 VOLTS, 10, 80KVA, 25KVA, 150°C TEMPERATURE RISE WITH TWO 0-1/2% FCAM AND TWO 2-1/2% FCAM TAPS. HEAVY-DUTY TYPE 55H5 OR EQUIV.
 - 120V AC INSTRUMENT POWER DISTRIBUTION PANEL IEZ-EDP-42
 - PANEL IS PROVIDED ON CONTRACT NO. 7775-821751.
 - PANEL IS DESIGNED FOR 400 AMP SERVICE, SHORT CIRCUIT CAPACITY OF 200,000 RMS SYMMETRICAL AMPS. WESTINGHOUSE TYPE FDP OR EQUIV. SEE PLAN VIEW "A".
 - PANEL CONTAINS THE FOLLOWING:
 - TWO TRIP UNIT (100A/100A FRAM.), 2 PO" FUSIBLE SWITCHES, INTERRUPTING CAPACITY OF 200,000 RMS SYMMETRICAL AMPS WESTINGHOUSE CAT. NO. FCPY-2233 OR EQUIV.
 - ONE 200 AMP FRAME, 2 POLE FUSIBLE SWITCH, INTERRUPTING CAPACITY OF 200,000 RMS SYMMETRICAL AMPS. WESTINGHOUSE CAT. NO. FCP224 OR EQUIV.
 - FUSES ARE STANCAPO REC. CHASE-SHAMMUT CLASS X-5 AND SIZED AS SHOWN.
 - 120V AC INSTRUMENT TRANSFORMER HAS SINGLE POINT GROUND IN 250V BATTERY BOARD ROOM. SEE SGM0640-EP-08 FOR DETAILS.

Docket # 52-434
 Control # 83040534
 Date 3-25-83
 of Document
 REGULATORY DOCKET FILE

PRC
 APERTURE
 CARD

3	1140	5-5-71	100A	100A	100A	100A	100A	100A	100A
ADDED PANEL AND FUSE UNIT, REMOVED LOCATION									
2	31	5-2-71	100A	100A	100A	100A	100A	100A	100A
REPAIRS, ADDED LOADS, CABLE NUMBER AND MONITORING POINT									
1	31	1-16-70	100A	100A	100A	100A	100A	100A	100A
ADDED SPARE FUSED DISCONNECT, MINOR CONNECTIONS									
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SCALE: NTS
 UNITS 1 & 2
 SCHEMATIC DIAGRAM
 250V NORMAL DC POWER
 DISTRIBUTION SYSTEM
 BELLEFONTE NUCLEAR PLANT
 TENNESSEE VALLEY AUTHORITY
 DIVISION OF ENGINEERING DESIGN
 SUBMITTED: [Signature]
 RECOMMENDED: [Signature]
 APPROVED: [Signature]
 KNOXVILLE 8-2-77 88 E SGM0640-EP-15

INSPECTED AND APPROVED FOR ISSUE

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