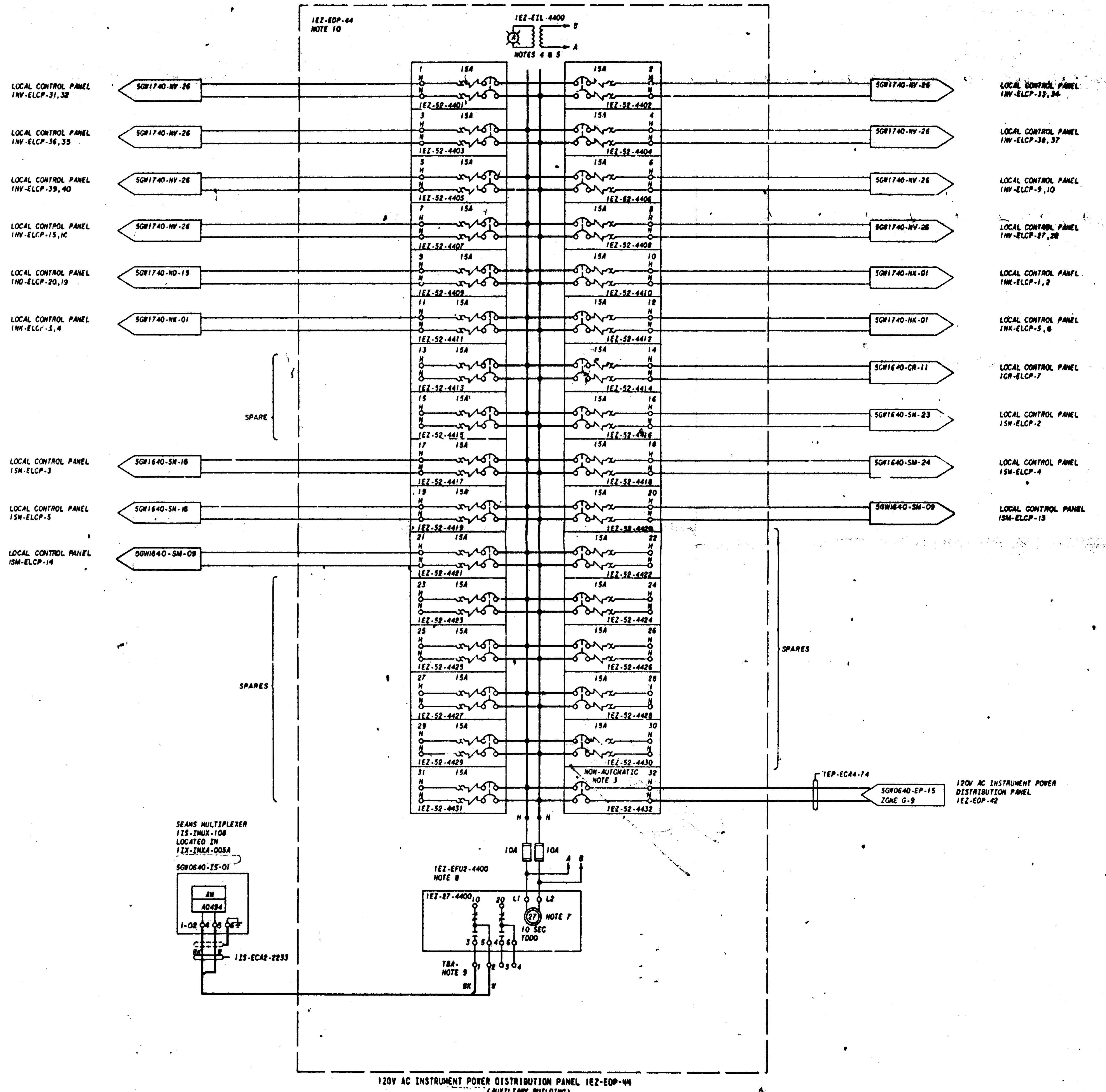

NOTES:

1. PANEL IS PROVIDED ON CONTRACT NO. 78K4-823705.
2. PANELBOARD IS 100 AMPERE FRAME, 10,000 AMPERE RMS SYMMETRICAL SHORT CIRCUIT CAPACITY AT 240V AC WITH NEMA ENCLOSURE SIMILAR TO WESTINGHOUSE TYPE WFB OR EQUAL.
3. THE MAIN CIRCUIT BREAKER IS 100 AMPERE FRAME, NON-AUTOMATIC; 2 POLE, 600V AC HAVING MINIMUM WITHSTAND CURRENT RATING OF $I^2t=1\times10^6$ FOR DURATION LESS THAN .0167 SECONDS, 2500 AMPS FOR DURATION LESS THAN .167 SECONDS AND 2000 AMPS FOR DURATION LESS THAN 1 SECOND. WESTINGHOUSE TYPE FB OR EQUAL.
4. PANEL ENERGIZED INDICATOR IS A TRANSFORMER TYPE LIGHT UNIT WITH AN AMBER LENS, CUTLER-HAMMER 10250T181C9 OR EQUAL.
5. ANNUNCIATING AND INDICATING WIRE IS 16 AWG, SINGLE CONDUCTOR, 600 VOLTS, TEFZEL INSULATED.
6. BRANCH CIRCUIT BREAKERS ARE TRIP RATED AS SHOWN ON THE SCHEMATIC, 100 AMP FRAME, 10,000 AMPERE-RMS SYMMETRICAL INTERRUPTING CAPACITY AT 240V AC, 2 POLE. WESTINGHOUSE TYPE EB OR EQUAL.
7. THE UNDERVOLTAGE RELAY SENSES AN ABSENCE OF VOLTAGE AND PROVIDES CONTACT OPENING DELAYED BY 10 SECONDS, SET BY FIELD, AND DOES NOT OPEN IF VOLTAGE IS REAPPLIED PRIOR TO THE END OF THE 10 SECOND DELAY. 120V AC, 60 HZ, 2PDT SWITCH. AGASTAT 7000 SERIES OFF-DELAY, MODEL NO. 7024 AC OR EQUAL.
8. THE 10 AMPERE FUSES FOR INDICATING LAMP AND TIME DELAY RELAY ARE BUSSMAN FUSETRON FRN OR EQUAL. WIRES SUPPLYING FUSES SHALL BE AS SHORT AS POSSIBLE AND EACH WIRE ISOLATED FROM ALL OTHER WIRES.
9. TBA IS 8 POINT, 30AMP, SCREW TYPE, 600V, BUCHANAN 0721 OR EQUAL.
10. PANEL ACCESS TO BE ADMINISTRATIVELY CONTROLLED. (PANEL DOOR LOCKED WITH ALL BREAKERS OPEN DURING NORMAL OPERATIONS).

PRC APERTURE CARD

Docket # 50-438
Control # 8304050536
Date 3-25-83 of Document:
REGULATORY DOCKET FILE

COMPANION DRAWINGS:
5GW0640-EP-1,15 & 19

REV NO.	ECN NO.	DATE	
2	1140	5-5-?	MISC. CHANGES.
1	31	9-18-79	REDRAWN. ADDED LOADS, CABLE NUMBERS AND MONITORING POINT.

DSGN R.F. HEARN
DRWN R.G. HEARN
CHKD C.G. PETERSON
SUPV O.E. COUNTISS

SCALE: NTS EXCEPT AS NOTED

UNITS 1 & 2

SCHEMATIC DIAGRAM 250V NORMAL DC POWER DISTRIBUTION SYSTEM

BELLEFONTE NUCLEAR PLANT
TENNESSEE VALLEY AUTHORITY
DIVISION OF ENGINEERING DESIGN

SUBMITTED | RECOMMENDED | APPROVED

INSPECTED AND APPROVED FOR ISSUE

KNOXVILLE 9-14-77 88 E 5GW0640-EP-17 R2

THIS DRAWING HAS BEEN REDRAWN
ORIGINAL DESTROYED
9-11-79