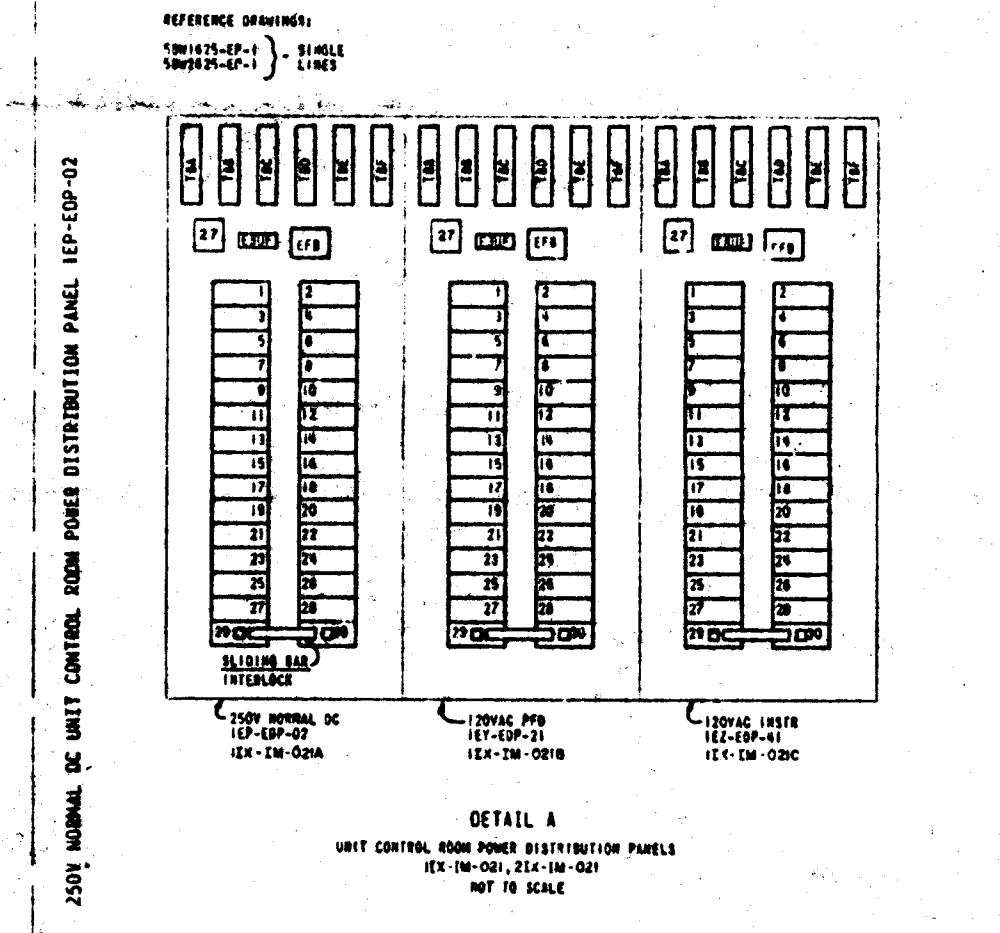


- NOTES:
- 250V NORMAL DC UNIT CONTROL ROOM POWER DISTRIBUTION PANELS ARE PROVIDED ON TWO CONTIGUOUS TUBS.
 - ALL AUTOMATIC CIRCUIT BREAKERS ARE PROVIDED TRIP ALARM SIGNALS WHICH CLOSE AND BREAKER OPENING TIME IS 0.1 SECONDS. TRIP ALARMS ARE PROVIDED TO THE ANNUNCIATION TERMINAL BLOCKS AND ARE CONNECTED TO THE ANNUNCIATION PANEL.
 - DISTRIBUTION FRAME IS DESIGNED FOR 150 AMP SERVICE AND SHORT CIRCUIT CAPACITY OF 10,000 AMPS AT 250VDC. WESTINGHOUSE TYPE LMS.
 - 100 AMP FRAME AUTOMATIC MOULDED CASE CIRCUIT BREAKERS HAVE INTERRUPTING CAPACITY OF 10,000 AMPS AT 250VDC. WESTINGHOUSE TYPE LMS.
 - TIME DELAY RELAY-250V DC COIL, TRIP RANGE, 0.5-9 SECONDS, DELAY ON DROPOUT, DPDT CONTACTS, COMPLETE WITH ENCLOSURE, AGASTAT 7022802.
 - TERMINAL BLOCKS - SECTIONAL, 600V, HTLON, STRAP SCREW TERMINAL, GUNMETAL BASE MOUNTED CHANNEL, PACKAGED CASE, NO. 6721.
 - ANNUNCIATION AND INSTRUMENT WIRING - 18 AWG, SINGLE CONDUCTOR, 600V, TEFLON COATED.
 - INSTRUMENT FUSES ARE BUSSMAN TYPE ILC.
 - BREAKING SWITCH FOR UNIT 1; UNIT 2 IS SIMILAR, EXCEPT AS NOTED OR SHOWN IN PARENTHESES.
 - INTERLOCK RELAY (1EP-EDP-02) IS WESTINGHOUSE TYPE AND CATALOGUE NO. ANCHORT, 6-POLE, 2 NO AND 2 NC CONTACTS, 400VDC COIL, CONTACT RATING 1.1 AMPS AT 125VDC.
 - WIRING BETWEEN BUS BARS AND INSTRUMENT FUSES IS AS SHORT AS PHYSICALLY POSSIBLE, 40S-TWISTED AND SEPARATED FROM OTHER WIRING AND GROUND.
 - 150-AMP FRAME NON-AUTOMATIC MOULDED CASE CIRCUIT BREAKERS HAVE MECHANICAL INTERLOCK FOR BREAK-BEFORE-MAKE TRANSFER, WESTINGHOUSE TYPE PB WITH HOLDING BAR INTERLOCK. IMPORTANT: MECHANICAL INTERLOCK TRANSFER ACTION MUST BE UNDER PERSONAL WATCH. INDEFINITE ACTION IS NOT ACCEPTABLE. NON-AUTOMATIC BREAKERS MUST HAVE SHORT-TIME WITHSTAND RATINGS AT 600 VAC AS FOLLOWS:

7,700 AMPS	0.0160 SECONDS
3,500 AMPS	0.100 SECONDS
2,000 AMPS	1.0 SECONDS



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REGULATORY DOCKET FILE

P.R.C
APERTURE
CARD

COMPARISON DRAWINGS:
5W1625-EP-10, 11

3	51	7212	ch	10/12/83	ms	rev	1/13/83	ms	
2	782	51	1210	ch	10/12/83	ms	rev	1/13/83	ms
1	51	1210	ch	10/12/83	ms	rev	1/13/83	ms	

REVISION PER FOR E-2437

INCORPORATED ECH-742, MISC CHANGES

REVISED LOADS, CABLES, NOTES, AND ANNUNCIATION POINTS

SCALE: EXCEPT AS NOTED

GENERAL UNITS 1 & 2

SCHEMATIC DIAGRAM
250V NORMAL DC
UNIT CONTROL ROOM
POWER DISTRIBUTION PANELS

BELLEFONTE NUCLEAR PLANT
TENNESSEE VALLEY AUTHORITY
DIVISION OF ENGINEERING DESIGN

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

INSPECTED AND APPROVED FOR ISSUE: [Signature]

KNOXVILLE 12-28-76 88 E SGM0640-EP-09