

REFERENCE DWGS	
20070-1P-1	PLANT AC AUX PWR SYS SINGLE LINE
5AW1740-NC	SYS SCHEMATICS REACTOR COOLANT SYS
20W0900-NC	FUNCTIONAL CONT & LOGIC DIAG, REAC COOL. SYS
5AW1740-2P	MCC COMPARTMENT TYPICAL SCHEMATICS
SAC1768-EI	IE6-A MCC COMPUTERIZED CIRCUIT SCHEDULE
SAC1769-EI	IE6-B MCC COMPUTERIZED CIRCUIT SCHEDULE

- NOTES:
- 480V MCC PROVIDED ON TVA CONTRACT 76K3-86242 BY GOULD/ITE. 480V ISOLATION TRANSFORMERS PROVIDED ON TVA CONTRACT 76K3-86681 BY ENGINEERING MAGNETICS.
 - ALL MOLDED CASE CIRCUIT BREAKERS ARE 3-POLE, 600V, THERMAL-MAGNETIC AND HAVE AN INTERRUPTING RATING OF NOT LESS THAN 25,000 MVA SYMMETRICAL AMPS AT 480V. ALL MCC F/M BREAKERS ARE 400 A FRAME WITH SHUNT TRIP J.L. SERIES. THE SHUNT TRIP COIL IS CAPABLE OF OPERATING AT 55% RATED VOLTAGE. A NO. AUXILIARY CONTACT IS PROVIDED ON THE BREAKER TO DISCONNECT THE SHUNT TRIP COIL VOLTAGE WHEN THE BREAKER IS OPEN.
 - FUSES IN THE POWER CIRCUITS ARE GOULD/SHAWMUT CLASS J CURRENT LIMITING. FUSES ARE REQUIRED TO PROVIDE REDUNDANT PROTECTION FOR PRIMARY CONTAINMENT PENETRATIONS.
 - ALL CONTROL TRANSFORMERS ARE 1Ø, 480-120V, 350VA, WITH GROUND SECONDARY. ALL CONTROL TRANSFORMER SECONDARY FUSES ARE 3.5A, GOULD/SHAWMUT TRM DUAL-ELEMENT, TIME DELAY.
 - 3A FUSES IN THE INCOMING LINE LAMP CIRCUIT & 10A FUSES IN THE GROUND DETECTOR CIRCUIT ARE GOULD/SHAWMUT, AMPTRAP FORM 600 MIDGET TYPE 2.
 - ALL AUXILIARY RELAYS ARE ITE J10 UNLESS OTHERWISE NOTED.
 - MCC ARRANGEMENT IS CONTROLLED BY THE FRONT VIEW LOCATED ON THIS DRAWING.
 - COMPARTMENT SCHEMATICS & WIRING DIAGRAMS ARE CONTROLLED BY THE APPLICABLE REFERENCE DRAWING IN THE MCC COMPUTERIZED CIRCUIT SCHEDULE.
 - CIRCUIT BREAKER SETTING ARE CONTROLLED BY THE MCC COMPUTERIZED CIRCUIT SCHEDULE.
 - THESE MOTOR CONTROL CENTERS & ISOLATION TRANSFORMERS ARE CLASS IE.

Q 430.15

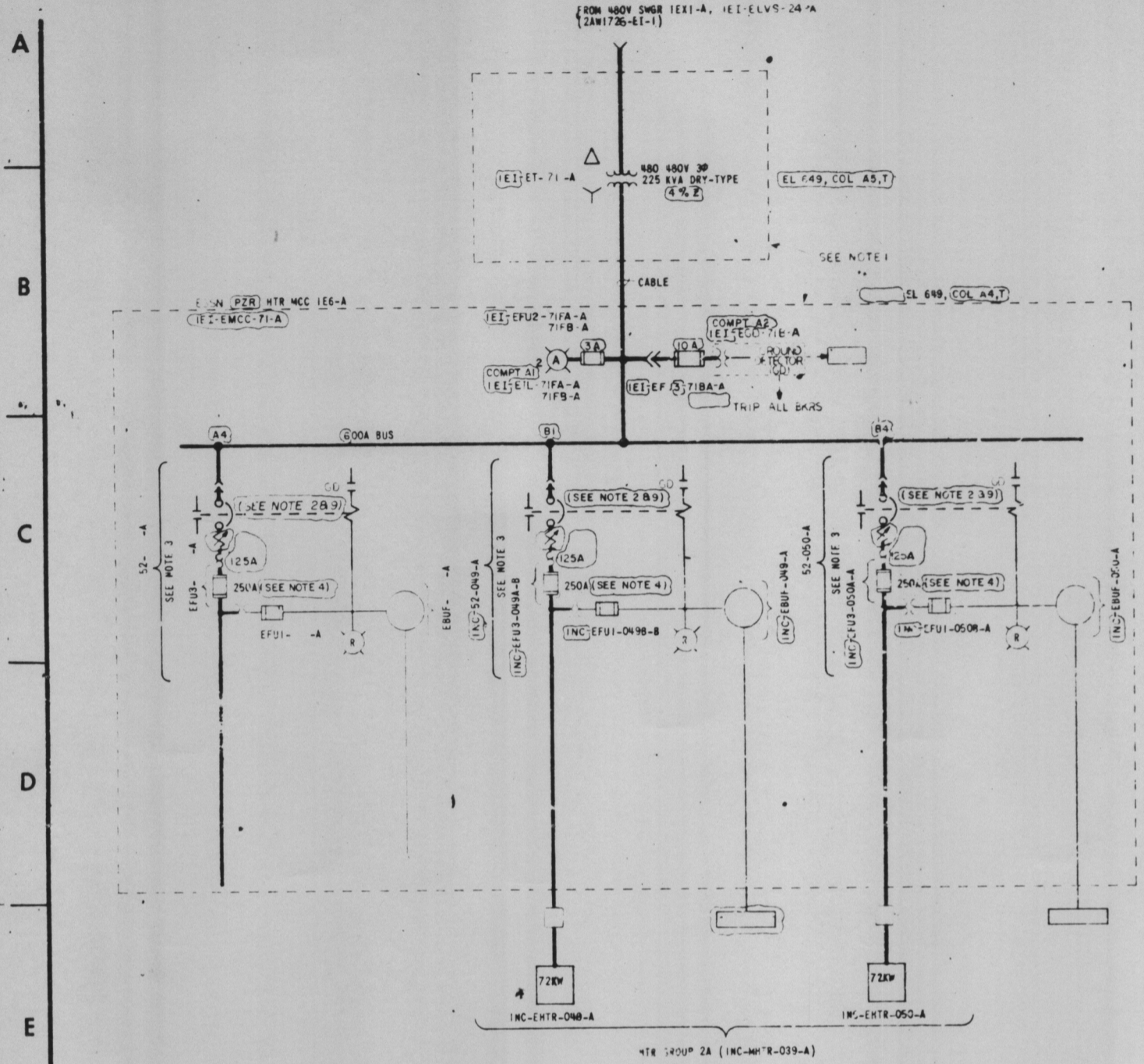
- SYMBOLS & ABBREVIATIONS
- - INTERFACE FOR STATUS, ENVIRONMENTAL, AND ALARM MONITORING SYS (SEAMS)
 - - PRIMARY CONTAINMENT PENETRATION
 - - INDICATING LIGHT, R = RED, A = AMBER
 - GD - GROUND DETECTOR

8301280079

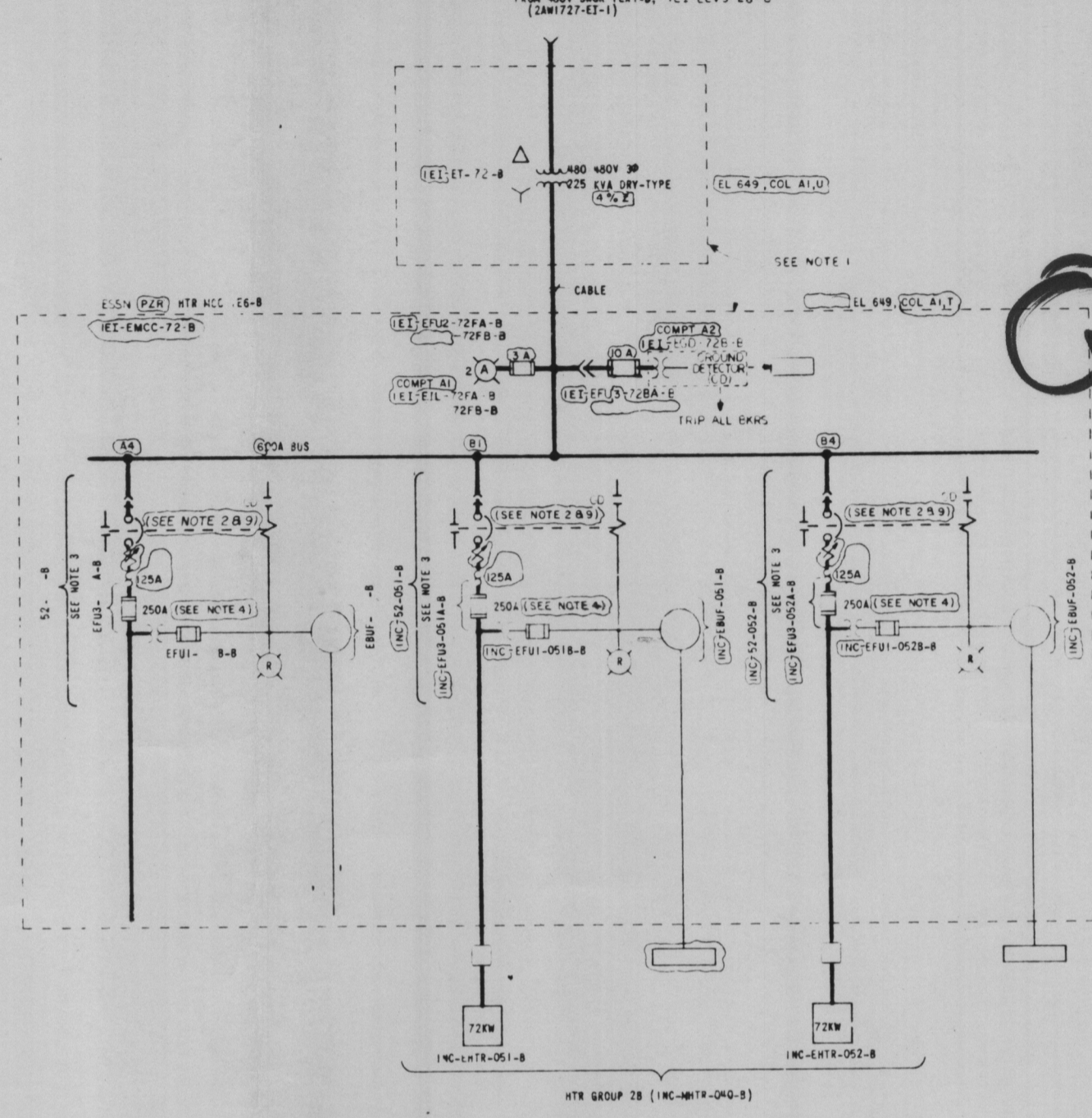
REV	NO	DATE	BY	CHKD	APPV	REASON
3	SI	11-11-82	ELI	ELI	ELI	VARIOUS CHANGES
2	SI	7-27-82	ELI	ELI	ELI	INCORPORATED UNID SYS. GEN REV PER
1	SI	7-8-75	ELI	ELI	ELI	REMOVED GROUND FAULT LIMITING NETWORK & REVISED GROUND FAULT PROTECTION SYSTEM.

PRC APERTURE CARD
 Docket # 50-438
 Control # 8301280074
 Date 1/19/83 of Document
 REGULATORY DOCKET FILE

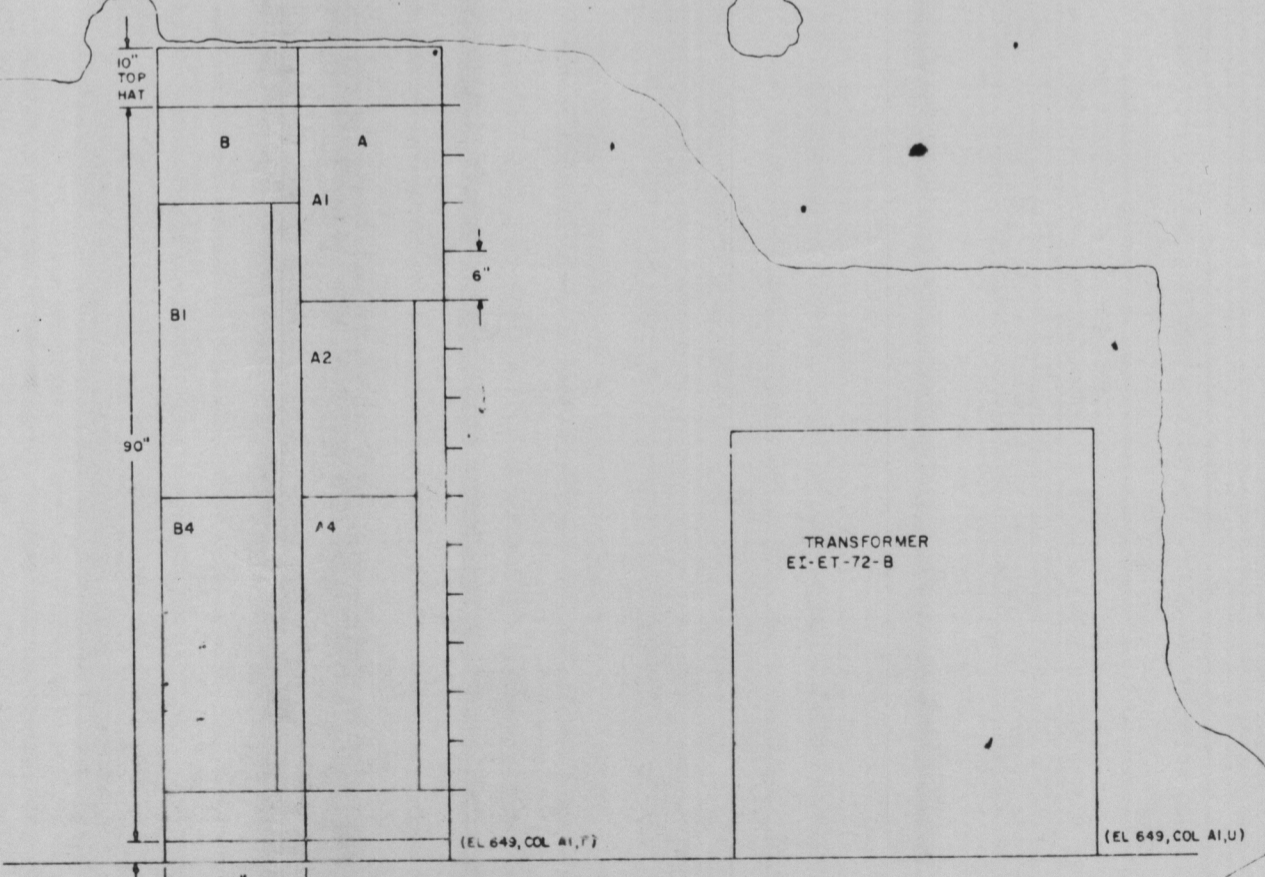
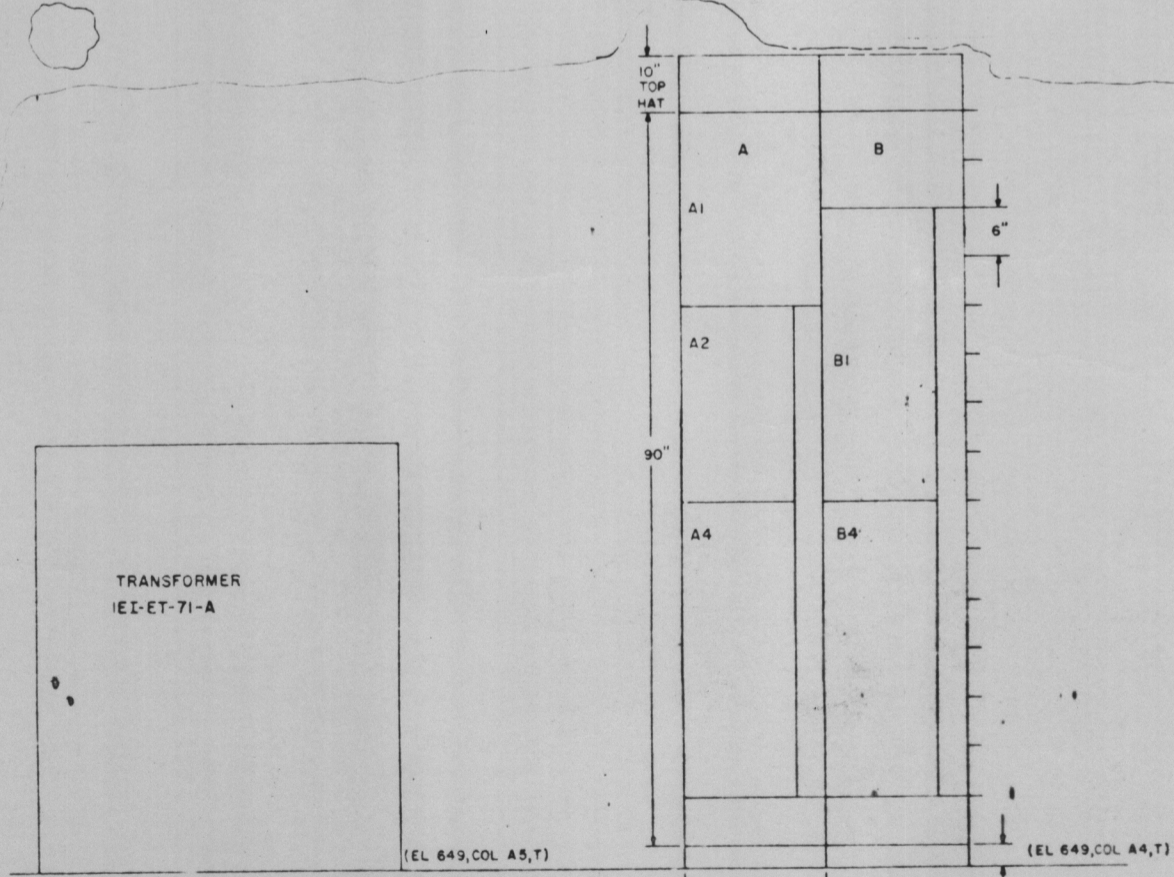
AUXILIARY BUILDING UNIT 1		
SINGLE LINE		
480V ESSN (PZR) HTR MCC IE6-A & IE6-B		
IEI-EMCC-71-A & IEI-EMCC-72-B		
BELLEFONTE NUCLEAR PLANT TENNESSEE VALLEY AUTHORITY DIVISION OF ENGINEERING DESIGN		
SUBMITTED	RECOMMENDED	APPROVED
C.T. Garner	J.T. Spang	R.M. Adams
INSPECTED AND APPROVED FOR ISSUE		
DESIGN PROJECT MANAGER		
KNOXVILLE 2	88 E	5AW1738-EI-1 23
RECORD DRAWING AS CONSTRUCTED		



IEI-EMCC-71-A
480V MCC IE6-A
FRONT VIEW



IEI-EMCC-72-B
480V MCC IE6-B
FRONT VIEW



PRINTS REQUIRED
 BR 11
 PROJ 0
 DWG SIZE
 11 X 17
 ME
 CE
 AD
 CD
 MD
 SW
 BL
 PA