

REFERENCE DRAWINGS	
DRAWING NUMBER	TITLE
2AW2726-ED-1	PLANT 10 AUXILIARY POWER SYSTEM SINGLE LINE
2AW2726-ED-2	480V SWGR TRANS SYSTEM SCHEMATIC

- NOTES:
- 480V SWGR PROVIDED ON CONTRACT NO. 764-85526
 - ALL CBT-BUS ARE 3-POLE, 200A FR WITH REAR MOUNTED CURRENT LIMITING FUSE (3A) LINE SIDE OF EACH POLE, EXCEPT AS NOTED.
2000A FR BUSES HAVE 200,000A RMS 50M INTERRUPTING RATING AT 480V.
1000A FR BUSES HAVE 200,000A RMS 50M INTERRUPTING RATING AT 480V.
3000A FR BUSES HAVE 45,000A RMS 50M INTERRUPTING RATING AT 480V.
AS NOTED, BUSES ARE EQUIPPED WITH AN ELECTRICAL LOCKOUT ATTACHMENT ACTIVATED WHEN SWGR IS TRIPPED AUTOMATICALLY BY THE PROTECTOR.
 - BUS IS 50" WITH HALF NEUTRAL. ALL LOADS THAT ARE 3P, 4 WIRE ARE 3P INDICATED.
 - RELAYS SHALL BE THE TYPES SHOWN OR THEIR APPROVED EQUAL.
 - EACH DEVICE ASSOCIATED WITH THE SWGR BUS, TRANSFORMER, AND THE NUMBER THE CBT-BUS IS PART OF THE 480V NORMAL AC AUX PWR DISTRIBUTION SYS WITH UNIT AND SYS DESIGNATION. THE DEVICE UNIT IS FORMED BY PREFIXING THE DESIGNATIONS SHOWN ON THE BUS WITH "2ED," EXCEPT AS NOTED. ALL OTHER BUSES WITH THEIR ASSOCIATED DEVICES ARE PART OF THE SYS WHICH THEY SUPPLY. THE UNIT IS FORMED BY PREFIXING THE DESIGNATIONS SHOWN ON THE BUS WITH THE UNIT AND SYS DESIGNATION SHOWN IN THE MESSAGE SYMBOL, EXCEPT AS NOTED. THE SWGR COMPARTMENT AND UNIT DESIGNATIONS ARE FORMED AS FOLLOWS: (SWGR) (COMPARTMENT NO.) (X) AND THE BOARD NO. (V) (2ED-ELVS-17A).
 - 3-POLE FUSE TRIPS BREAKER.
 - EVA LOADS SHOWN ARE ESTIMATED MAXIMUM DEMAND.
 - THIS EQPT IS NON-CLASS I.E. LOCATED IN A CATEGORY I SWR.

- SYMBOLS:
- ANN - THIS FUNCTION TO BE MONITORED BY ONE OR MORE ANNUNCIATION OR ALARM SYSTEMS
 - SOLID STATE TRIP DEVICE WITH SENSOR RATING SHOWN
 - L - LONG TIME DELAY (OVERLOAD)
 - S - SHORT TIME DELAY (SELECT-A TRIP)
 - I - INSTANTANEOUS (FAULT CURRENT)
 - G - GROUND (FAULT CURRENT)
 - INT - INTERFACE FOR STATUS ENVIRONMENTAL AND ALARM MONITORING SYS (SEAS)
 - KEY INTERLOCK
 - PRIMARY CONTAINMENT PENETRATION
 - UNIT AND SYS DESIGNATION (SEE NOTE 5)
 - LED INDICATING LIGHT

REV	DATE	DESCRIPTION
1	11/13/81	ISSUED
2	12/22/81	REPLACED 3 AMP FUSES WITH 8 AMP FUSES, MINOR CHANGES
3	05/14/83	REPLACED 3 AMP FUSES WITH 8 AMP FUSES, MINOR CHANGES
4	05/14/83	REPLACED 3 AMP FUSES WITH 8 AMP FUSES, MINOR CHANGES

REGULATORY DOCKET FILE
 50-488
 89-405853

PRC APERTURE GARD

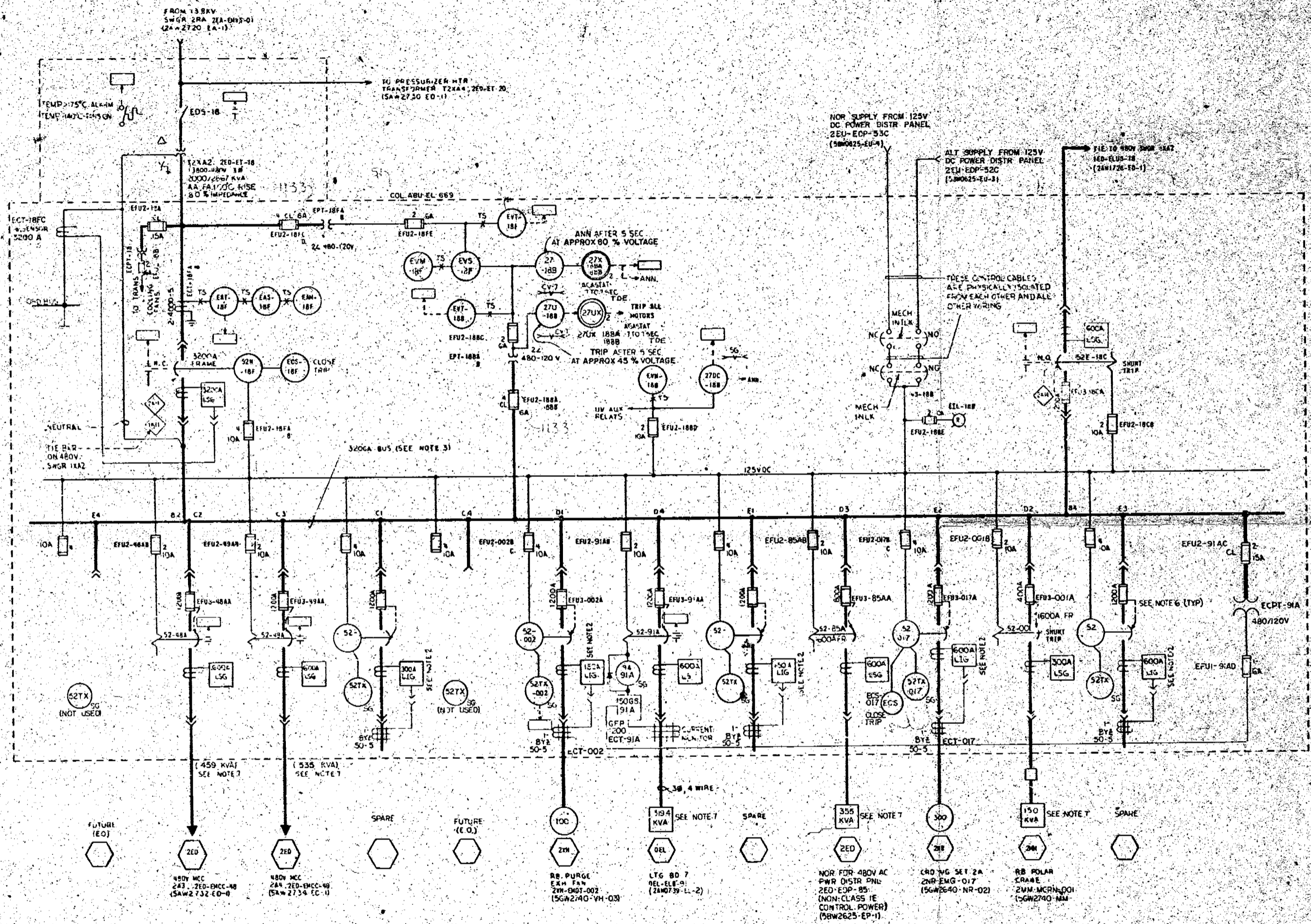
INSPECTED AND APPROVED FOR ISSUE
R.M. Bradley
 REGIONAL PROJECT MANAGER

AUXILIARY BUILDING
 UNIT 2

SINGLE LINE DIAGRAM
 480V SWITCHGEAR 2XA2
 2ED-ELVS-18

BELLEFONTE NUCLEAR PLANT
 TENNESSEE VALLEY AUTHORITY
 DIVISION OF ENGINEERING DESIGN

SUBMITTED	RECOMMENDED	APPROVED
<i>D.A. ...</i>	<i>T. ...</i>	<i>A.W. ...</i>
KNOXVILLE 2-6-74	88	2AW2726-ED-1
45W730-1		



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