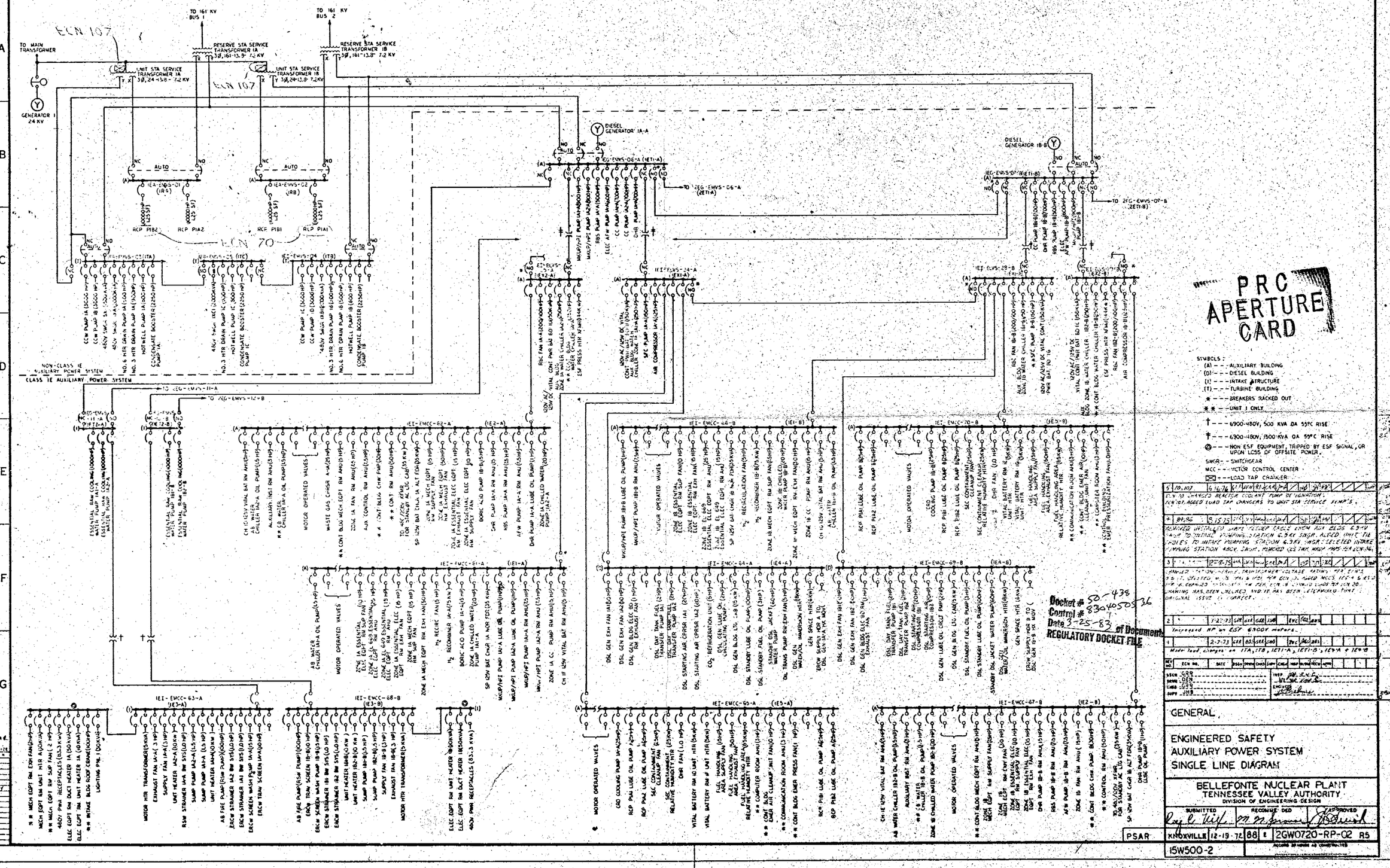
TO MAIN TRANSFORMER
GENERATOR 1 24 KV
UNIT STA SERVICE TRANSFORMER 1A 3Ø, 24-13.8-7.2 KV
UNIT STA SERVICE TRANSFORMER 1B 3Ø, 24-13.8-7.2 KV
TO 161 KV BUS 1
TO 161 KV BUS 2
RESERVE STA SERVICE TRANSFORMER 1A 3Ø, 161-13.8-7.2 KV
RESERVE STA SERVICE TRANSFORMER 1B 3Ø, 161-13.8-7.2 KV
ECN 107
ECN 70
DIESEL GENERATOR 1A-A
DIESEL GENERATOR 1B-B
NON-CLASS 1E AUXILIARY POWER SYSTEM
CLASS 1E AUXILIARY POWER SYSTEM
PRC APERTURE CARD
SYMBOLS :
(A) - - - AUXILIARY BUILDING
(D) - - - DIESEL BUILDING
(I) - - - INTAKE STRUCTURE
(T) - - - TURBINE BUILDING
* - - - BREAKERS RACKED OUT
** - - - UNIT 1 ONLY
† - - - 6900-480V, 500 KVA OA 55°C RISE
† - - - 6900-480V, 1500 KVA OA 55°C RISE
Ⓔ - - - NON ESF EQUIPMENT, TRIPPED BY ESF SIGNAL, OR UPON LOSS OF OFFSITE POWER.
SWGR - - SWITCHGEAR
MCC - - MOTOR CONTROL CENTER
⊠ - - LOAD TAP CHANGER
Docket # 50-438
Control # 8304050536
Date 3-25-83
of Document
REGULATORY DOCKET FILE
GENERAL,
ENGINEERED SAFETY
AUXILIARY POWER SYSTEM
SINGLE LINE DIAGRAM
BELLEFONTE NUCLEAR PLANT
TENNESSEE VALLEY AUTHORITY
DIVISION OF ENGINEERING DESIGN
SUBMITTED
RECOMMENDED
APPROVED
KNOXVILLE 12-19-72 88 E 2GW0720-RP-02 R5
PSAR
15W500-2