

RS-04-006

January 14, 2004

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

Dresden Nuclear Power Station, Units 2 and 3
Facility Operating License Nos. DPR-19 and DPR-25
NRC Docket Nos. 50-237 and 50-249

Subject: Additional Information Supporting the Request for Amendment to Technical Specifications Associated With Direct Current Electrical Power

References: (1) Letter from P. R. Simpson (Exelon Generation Company, LLC) to U. S. NRC, "Request for Amendment to Technical Specifications Associated With Direct Current Electrical Power," dated July 29, 2003

(2) Technical Specifications Task Force (TSTF) Traveler TSTF-360, Revision 1, "DC Electrical Rewrite"

In Reference 1, Exelon Generation Company, LLC (EGC) requested an amendment to the facility operating licenses for Dresden Nuclear Power Station, Units 2 and 3. The proposed changes modify Technical Specifications (TS) Sections 3.8.4, "DC Sources - Operating," 3.8.5, "DC Sources - Shutdown," 3.8.6, "Battery Cell Parameters," and 5.5, "Programs and Manuals," to be consistent with Reference 2.

In a conference call with the NRC on January 8, 2004, the NRC requested EGC to provide diagrams of the 125 VDC and 250 VDC systems. The requested information is attached.

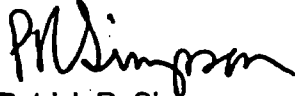
EGC has reviewed the information supporting a finding of no significant hazards consideration that was previously provided to the NRC in Attachment 1 of Reference 1. The supplemental information provided in this submittal does not affect the bases for concluding that the proposed license amendment does not involve a significant hazards consideration.

AOD1

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Should you have any questions concerning this letter, please contact Mr. Kenneth M. Nicely at (630) 657-2803.

I declare under penalty of perjury that the foregoing is true and correct. Executed on the 14th day of January 2004.



Patrick R. Simpson
Manager – Licensing

Attachment:

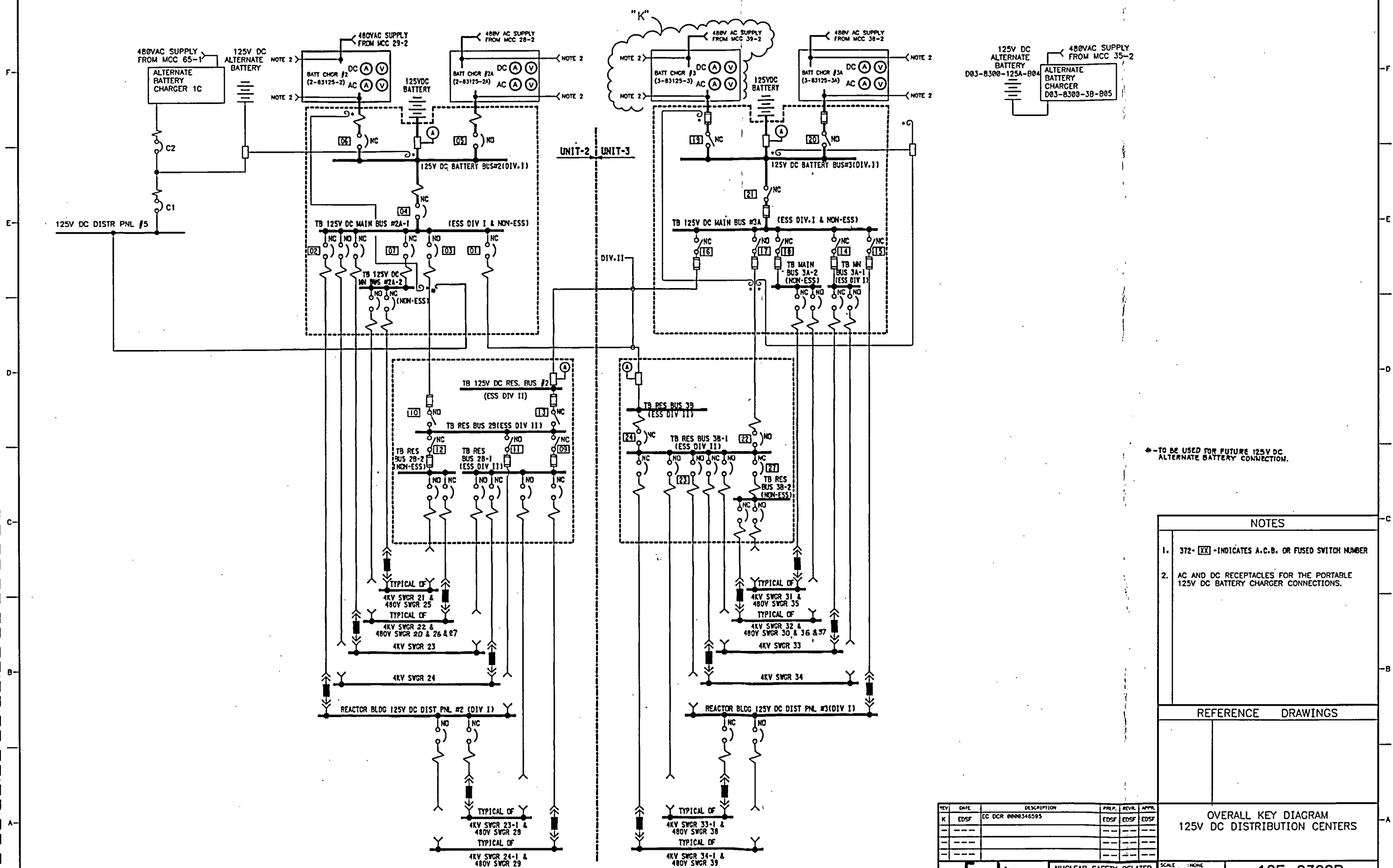
Dresden Nuclear Power Station 125 VDC and 250 VDC Diagrams

cc: Regional Administrator – NRC Region III
NRC Senior Resident Inspector – Dresden Nuclear Power Station
Illinois Emergency Management Agency – Division of Nuclear Safety

ATTACHMENT

Dresden Nuclear Power Station 125 VDC and 250 VDC Diagrams

Drawing Number	Revision	Title
12E-2322B	K	Overall Key Diagram 125V DC Distribution Centers
12E-2389F	B	Schematic and Wiring Diagram 125V DC Battery Charger 2 (Note: Typical for all 125V DC Battery Chargers)
12E-2321	AL	Key Diagram 250V DC Motor Control Centers
12E-3321	AD	Key Diagram 250V DC Motor Control Center
12E-2389K	A	Schematic and Wiring Diagram 250V DC Battery Charger 2 2-83250-2 (Note: Typical for all 250V DC Battery Chargers)



OVERALL KEY-125V DC SYSTEM

*-TO BE USED FOR FUTURE 125V DC ALTERNATE BATTERY CONNECTION.

NOTES

- 372- [XX] -INDICATES A.C.B. OR FUSED SWITCH NUMBER
- AC AND DC RECEPTACLES FOR THE PORTABLE 125V DC BATTERY CHARGER CONNECTIONS.

REFERENCE DRAWINGS

OVERALL KEY DIAGRAM
125V DC DISTRIBUTION CENTERS

REV	DATE	DESCRIPTION	PREP.	REVR.	APPL.
K	EDSF	CC DCR 0000346595	EDSF	EDSF	EDSF
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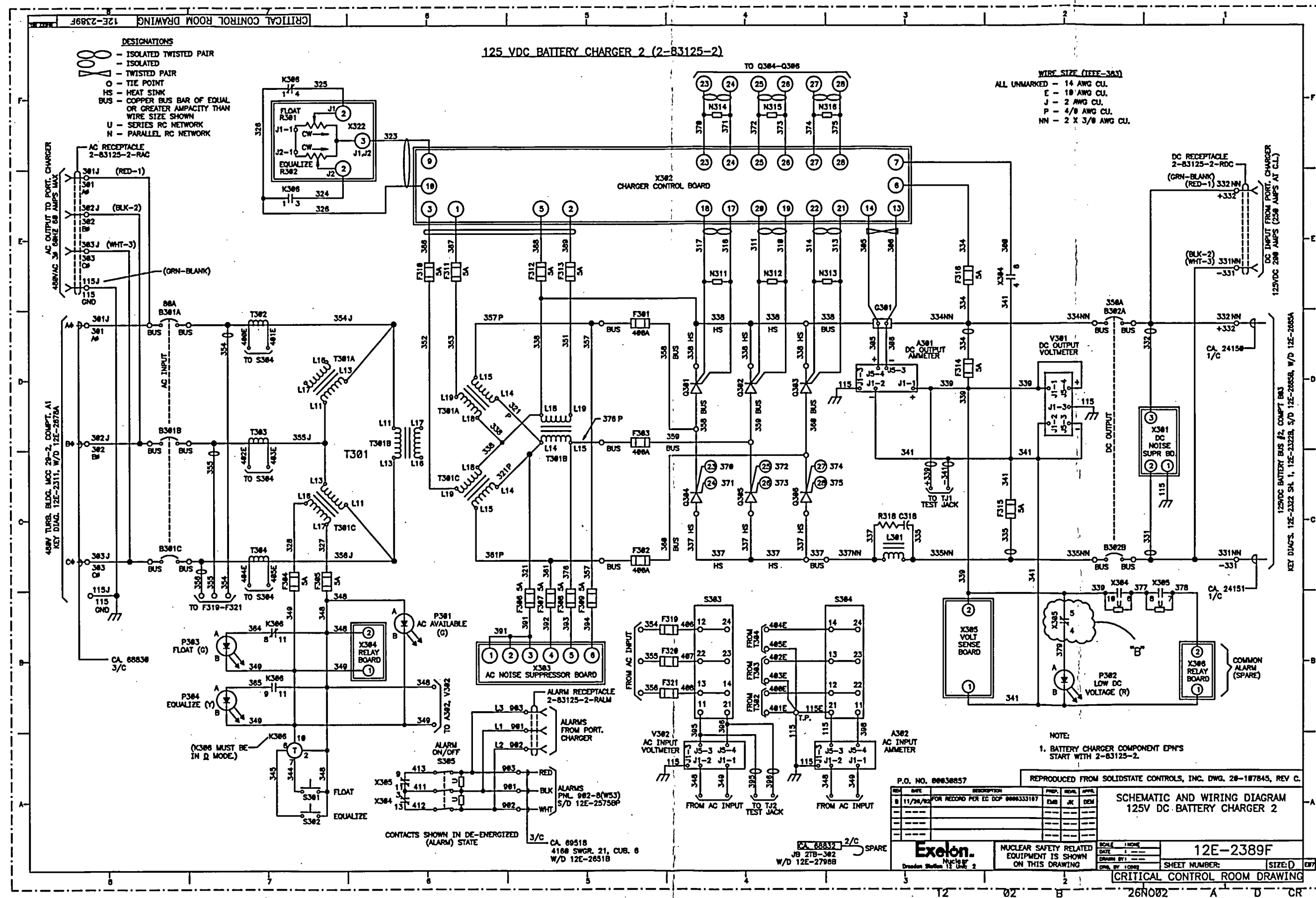
Exelon Nuclear
Dresden Station 12 Unit 2&3

NUCLEAR SAFETY RELATED EQUIPMENT IS SHOWN ON THIS DRAWING

SCALE: NONE
DATE: 1-1-11
DRAWN BY: J.E.133
CHKD BY: J.E.133

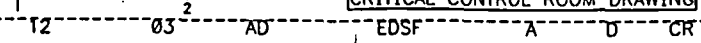
12E-2322B
SHEET NUMBER: 1
SIZE: D

CRITICAL CONTROL ROOM DRAWING



SCHEMATIC AND WIRING DIAGRAM 125V DC BATTERY



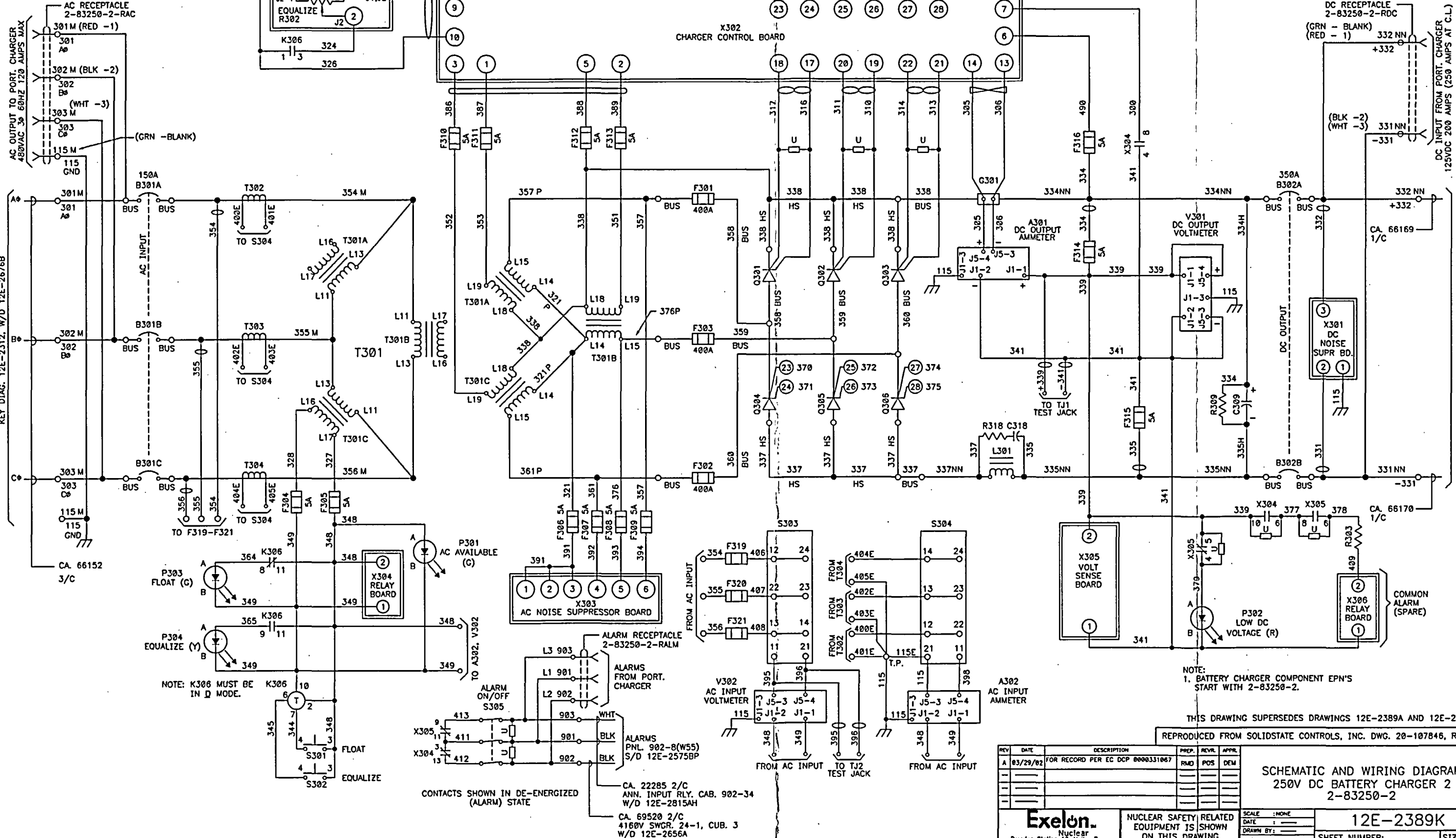


250 VDC BATTERY CHARGER 2 (2-83250-2)

DESIGNATIONS

- ISOLATED TWISTED PAIR
- ISOLATED
- TWISTED PAIR
- O - TIE POINT
- HS - HEAT SINK
- BUS - COPPER BUS BAR OF EQUAL OR GREATER AMPACITY THAN WIRE SIZE SHOWN
- U - SERIES RC NETWORK
- N - PARALLEL RC NETWORK

- WIRE SIZE (IEEE-383)
- ALL UNMARKED - 14 AWG CU.
- E - 10 AWG CU.
- H - 4 AWG CU.
- M - 2/0 AWG CU.
- P - 4/0 AWG CU.
- NN - 2 x 3/0 AWG CU.



NOTE:
1. BATTERY CHARGER COMPONENT EPN'S
START WITH 2-83250-2.

THIS DRAWING SUPERSEDES DRAWINGS 12E-2389A AND 12E-2798A
REPRODUCED FROM SOLIDSTATE CONTROLS, INC. DWG. 20-107846, REV. C

REV	DATE	DESCRIPTION	PREP.	REVL.	APPR.
A	03/29/82	FOR RECORD PER EC DCP 0000331067	RMD	POS	DEM

SCHEMATIC AND WIRING DIAGRAM
250V DC BATTERY CHARGER 2
2-83250-2

Exelon
Nuclear
Dresden Station 12 Unit 2

NUCLEAR SAFETY RELATED
EQUIPMENT IS SHOWN
ON THIS DRAWING

SCALE: NONE
DATE: 03/29/82
DRAWN BY: C502
ORG. BY: C502

12E-2389K
SHEET NUMBER:
SIZE: D

CRITICAL CONTROL ROOM DRAWING