



Commonwealth Edison

One First National Plaza, Chicago, Illinois
Address Reply to: Post Office Box 767
Chicago, Illinois 60690

February 4, 1984

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: LaSalle County Station Units 1 and 2
CRD Charging Water Low Pressure Scram
NRC Docket Nos. 50-373 and 50-374

Dear Mr. Denton:

The purpose of this letter is to provide the information discussed with Dr. A. Bournia and R. Kendal of NRR via telecon on December 14, 1983 with C. W. Schroeder, et. al. The P&ID M-146 Sheet 1 has been reduced but is legible enough to determine that each charging water pressure sensor has its own sensing line. The AC pair are physically located on one side of the reactor whereas the BD pair are located on the opposite side of the reactor. The RPS control channelization A₁A₂ corresponds to the AC pair physically and the B₁B₂ channelization corresponds to the BD pair physically. Thus both physical separation and electrical independence is established hemispherically outside the primary containment structures.

The electrical drawings indicate the general design layout of the RPS system (1E-2-4215AA), a schematic of the CRD charging water low-pressure trip circuitry (1E-2-4207ZB), the pressure sensor circuitry (1E-2-4215AC), and the scram circuit with reset interlock (1E-2-4215AG). This partial drawing set covers the points discussed and provides confirmation of the conclusions reached.

Note that these drawings are informational. The physical as-built drawings will be generated after completion of the installation which is in progress at this time.

To the best of my knowledge and belief the statements contained herein and in the attachment are true and correct. In some respects these statements are not based on my personal knowledge but upon information furnished by other Commonwealth Edison and contractor employees. Such information has been reviewed in accordance with Company practice and I believe it to be reliable.

8402070151 840204
PDR ADOCK 05000374
P PDR

Boo!
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H. R. Denton

- 2 -

February 4, 1984

If there are any further questions regarding this matter,
please contact this office.

Very truly yours,

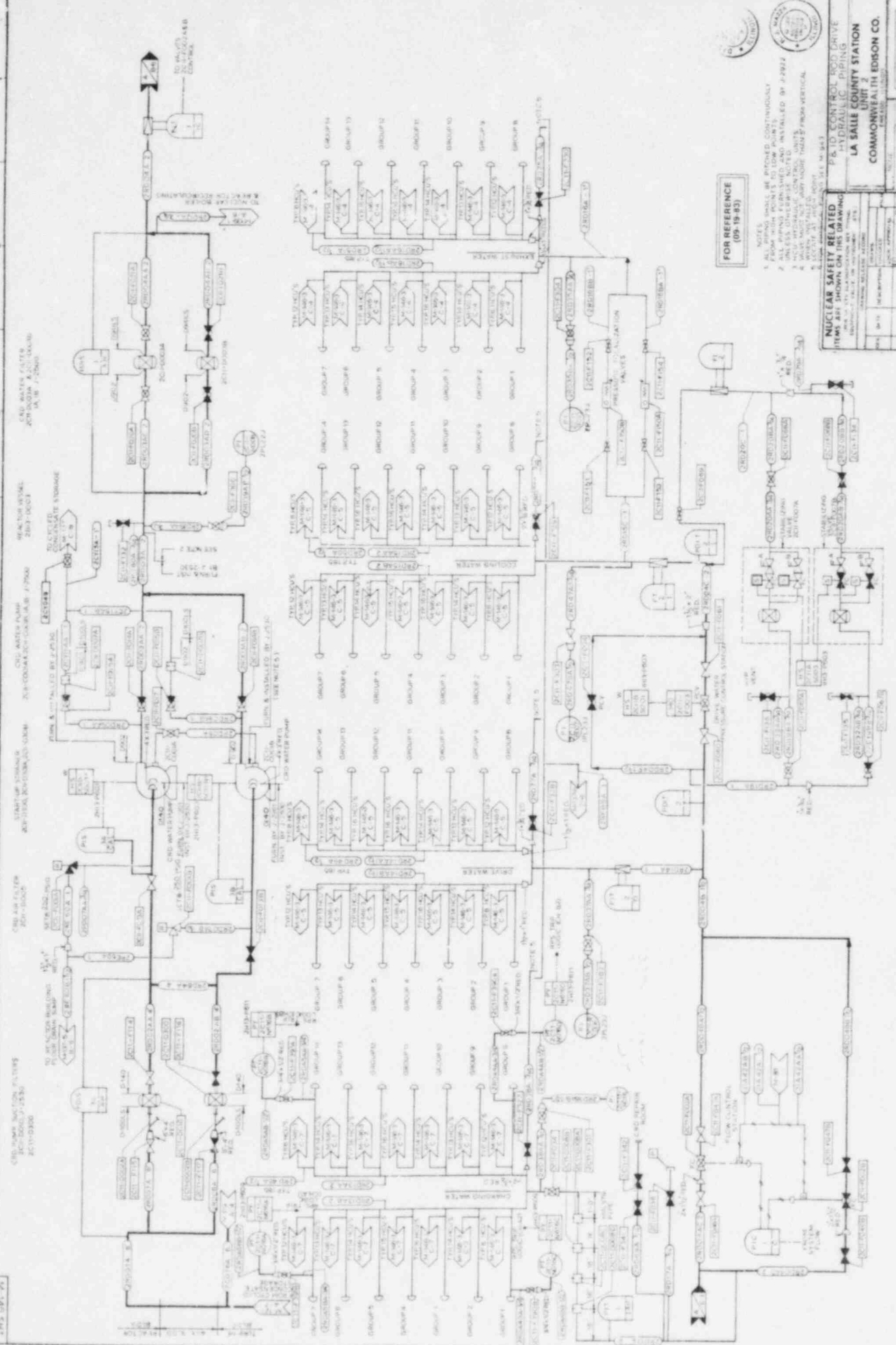
CW Schroeder 2/4/84

C. W. Schroeder
Nuclear Licensing Administrator

lm

cc: J. G. Keppler 1/0
NRC Resident Inspector 1/0

8106N



FOR REFERENCE
(09-19-83)

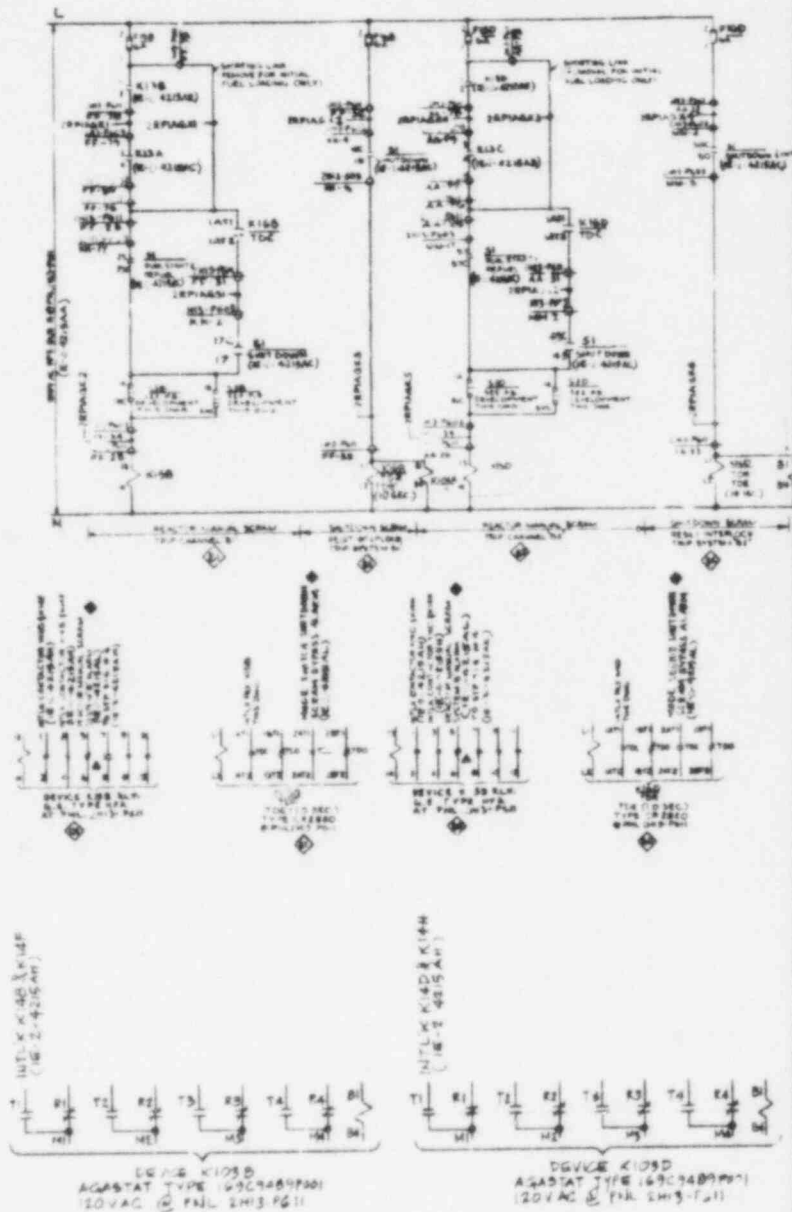
- NOTES:
1. ALL PIPES SHALL BE PIPED CONTINUOUSLY FROM HIGH POINTS TO LOW POINTS.
 2. ALL PIPING FURNISHED AND INSTALLED BY 7-1922.
 3. ALL PIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE A.S.M.E. B31.1 AND B31.3.
 4. ALL PIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE A.S.M.E. B31.1 AND B31.3.
 5. ALL PIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE A.S.M.E. B31.1 AND B31.3.

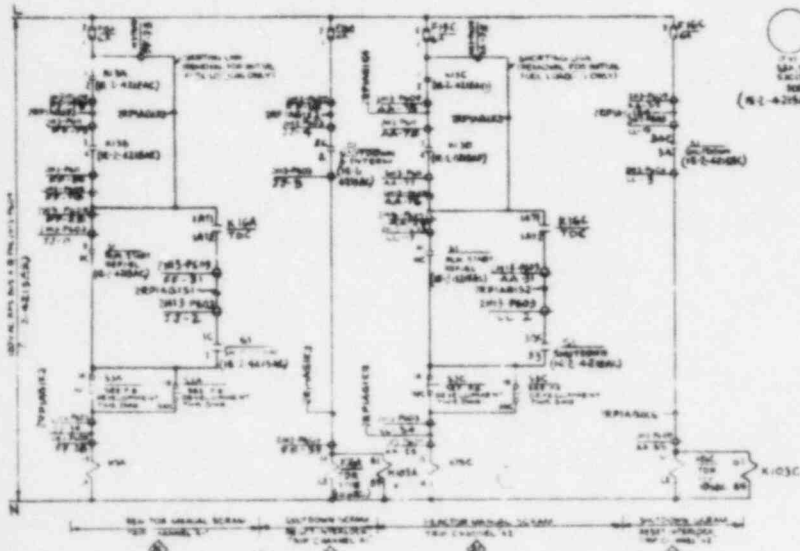
NUCLEAR SAFETY RELATED
ITEMS ARE SHOWN ON THIS DRAWING

LA SALLE COUNTY STATION
COMMONWEALTH EDISON CO.

NO.	DATE	BY	CHKD.	APP'D.	REVISION
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3	10-1-83	J. J. JONES	J. J. JONES	J. J. JONES	3.0
4	10-1-83	J. J. JONES	J. J. JONES	J. J. JONES	4.0
5	10-1-83	J. J. JONES	J. J. JONES	J. J. JONES	5.0
6	10-1-83	J. J. JONES	J. J. JONES	J. J. JONES	6.0
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9	10-1-83	J. J. JONES	J. J. JONES	J. J. JONES	9.0
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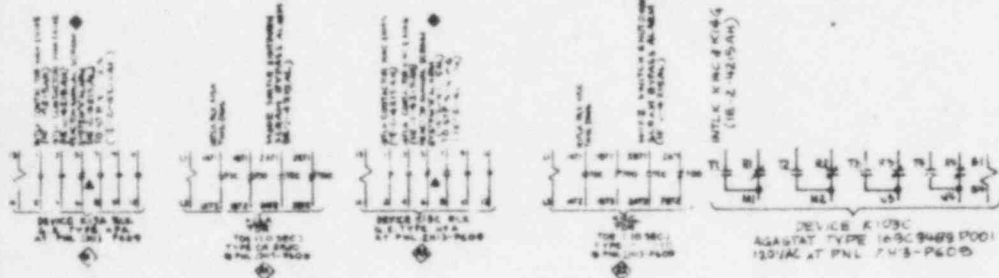
IE-2-4215A





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1-6	1-6	1-6
1-7	1-7	1-7
1-8	1-8	1-8
1-9	1-9	1-9
1-10	1-10	1-10

APERTURE
CARD



SEGREGATION CODE
⬢ RPS. DIV. A1
⬢ RPS. DIV. A2
⬢ RPS. DIV. B1
⬢ RPS. DIV. B2
⬢ NON RPS. DIV.

NOTE:
▲ CONTACT TO BE CONVERTED
TO NC POSITION
PER FDR HA2-564 REV. 0
DATED 6-22-78

FDR HA2-550RZ



FOR NOTES & SYMBOLS SEE DWG. IE-2-4215AA
REF. G.E. CO. DWG. B0710G TO ENCL. 2, REV. 6, MAR. 1965

NUCLEAR SAFETY RELATED
EQUIPMENT IS SHOWN ON THIS DRAWING.

SCHEMATIC DIAGRAM
REACTOR PROTECTION SYS. RP (C71A) PT. 7

LA SALLE COUNTY STATION UNIT 2
COMMONWEALTH EDISON CO.
CHICAGO, ILLINOIS

SARGENT & LUNDY
ENGINEERS
CHICAGO

DRAWING NO.
IE-2-4215AG

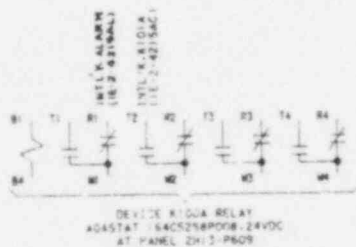
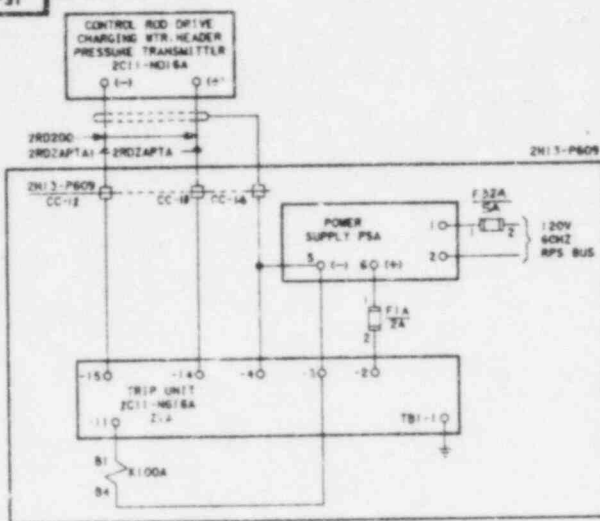
REV.	DATE	DESCRIPTION	CHECKED	APPROVAL
A	10-1-78	FOR UNIT	✓	✓
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C	10-1-78	REV. FOR	✓	✓

Also Available On
Aperture Card

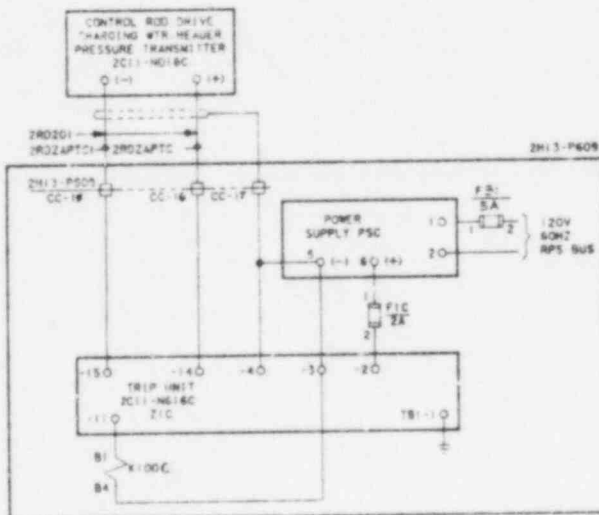
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1E-2-420728

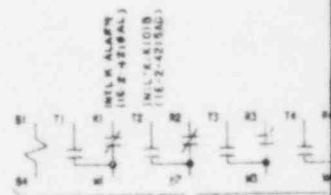
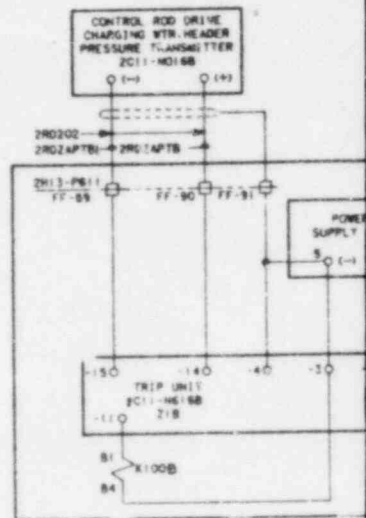
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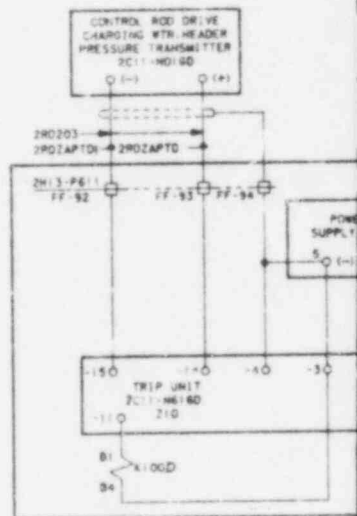
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AGASTAT 164C5258P008-24VDC
AT PANEL ZH13-P609



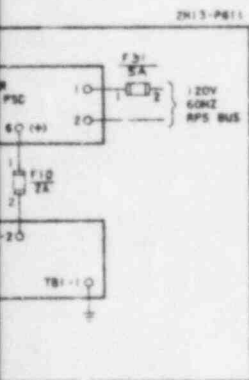
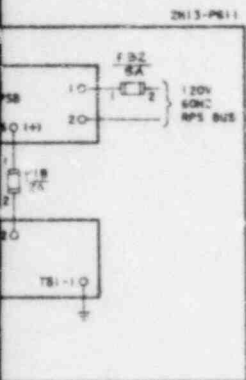
DEVICE K100C RELAY
AGASTAT 164C5258P008-24VDC
AT PANEL ZH13-P608



DEVICE K100B RELAY
AGASTAT 164C5258P008-24VDC
AT PANEL ZH13-P611



DEVICE K100D RELAY
AGASTAT 164C5258P008-24VDC
AT PANEL ZH13-P610



APERTURE
CARD

Also Available On
Aperture Card



Handwritten signature

FOR NOTES & SYMBOLS SEE DWG. 1E-2-4207A

NUCLEAR SAFETY RELATED
EQUIPMENT IS SHOWN ON THIS DRAWING.

SCHEMATIC DIAGRAM
CONT ROD DRIVE HYD SYS RD (C-1B)

LA SALLE COUNTY STATION UNIT 2
COMMONWEALTH EDISON CO.
CHICAGO, ILLINOIS

DRAWING RELEASE RECORD			DRAWN
REV	DATE	DESCRIPTION	CHECKED
A	JULY 12 1983	REVISED FOR 120V 60Hz RPS BUS	<i>[Signature]</i>

SCALE
DRAWN *[Signature]* 7/6/83
CHECKED *[Signature]* 7/6/83
ENGINEER *[Signature]* 7/6/83
APPROVED *[Signature]* 7/6/83
FOR NO 4257

SARGENT & LUNDY
ENGINEERS
CHICAGO

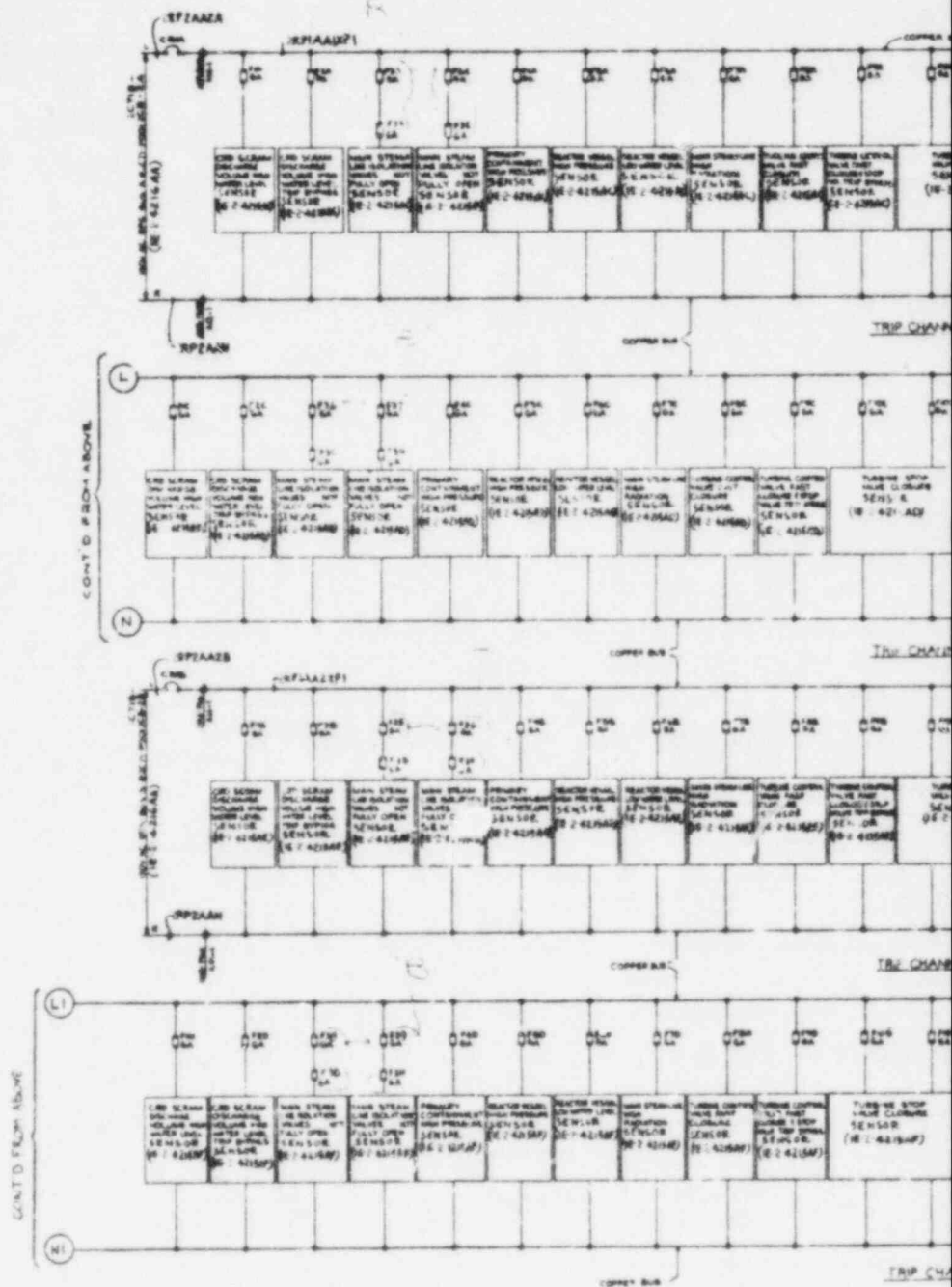
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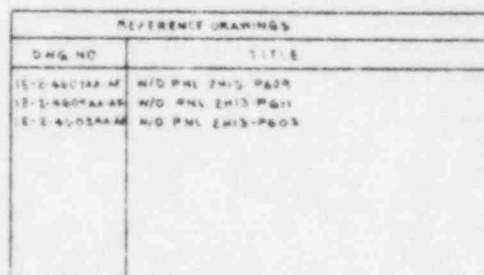
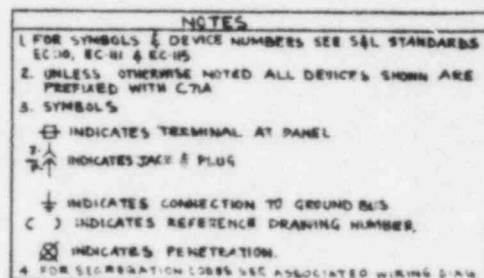
POST FUEL LOAD DBS CHANGES
OUTSTANDING AGAINST THIS
TRACING AREA: BOM ED-41

07

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1E-2-4215AA





**Also Available On
Aperture Card**



REF. 06.CD.DWG. ROTEIGUTD SH.G REV. 3

NUCLEAR SAFETY RELATED
EQUIPMENT IS SHOWN ON THIS DRAWING.

SCHEMATIC DIAGRAM
REACTOR PROTECTION SYS. RP(C71A) PT. I

LA SALLE COUNTY STATION UNIT 2
COMMONWEALTH EDISON CO.
CHICAGO, ILLINOIS

SARGENT & LUNDY
ENGINEERS
CHICAGO

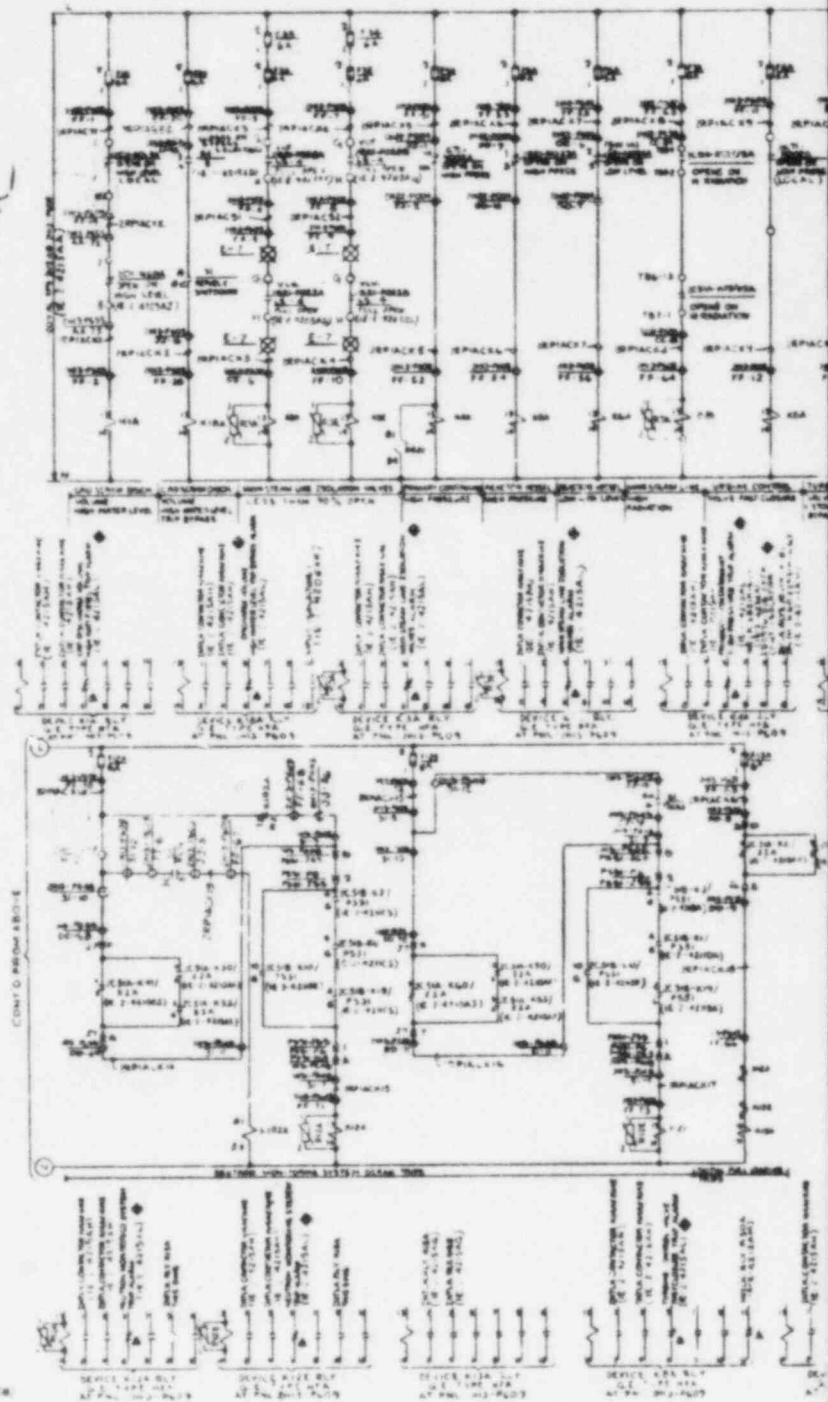
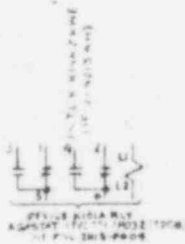
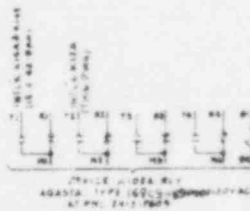
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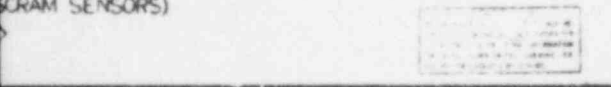
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IF-24215AC



TRIP CHANNEL A1 (S)



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