



LOUISIANA
POWER & LIGHT

142 DELARONDE STREET
P O BOX 6008 • NEW ORLEANS, LOUISIANA 70174 • (504) 366-2345

June 23, 1982

TO: S. Black
FROM: R. Prados
SUBJECT: Waterford 3 SES
Transmittal of CWDs

50-382

As per your June 17, 1982 telephone conversation with J. Hart, enclosed please find the following Control Wiring Diagrams:

1. Emergency Feedwater, LOU-1564/

B-424 sh. 1525/R1	1535/R2	1540/R9	1549/R4
sh. 1531/R6	1536/R1	1541/R7	1550/R8
sh. 1532/R9	1537/R3	1544/R6	1551/R1
sh. 1533/R6	1538/R6	1546/R4	1552/R1
sh. 1534/R6	1539/R2	1547/R3	
		1548/R4	

The indicated revision of the drawings reflect the current control scheme modifications as described in FSAR Subsection 7.3.1.1.6.

2. Reactor Coolant Pump Sheared Shaft Trip, LOU-1564/B-424
sh. 2951/R1, 2952/R1.

These drawings complement the description provided in FSAR Subsection 7.2.1.1.1.12, Amendment 25.

Item 1 above is SER confirmatory Issue and Item 2 is Outstanding Issue. The enclosed drawings provide information requested in SER for the purpose of closing these issues.

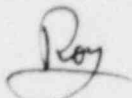
3. Containment Isolation Actuation Signal - SER Confirmatory Issue.

The functional diversity of CIAS was shown in Plant Protection System Interface Logic Diagram, FSAR Fig. 7.2-10/Amendment 25. Subsequently, the Figs. 7.2-13 and 7.3-1 sheet 1, 2 & 3 showing PPS2/4 Logic Matrix Schematic and Functional Diagram respectively, were revised accordingly in Amendment 27. The supplier is working on detailed instrumentation schematic which will not be part of FSAR.

8207060205 820623
PDR ADOCK 05000382
A PDR

13001
Drawings To
S. Black

I believe this information is sufficient to close these items out.

A handwritten signature in black ink, appearing to read 'R. W. Prados', written in a cursive style.

R. W. Prados
NPSG Licensing

RWP/RMF/pco

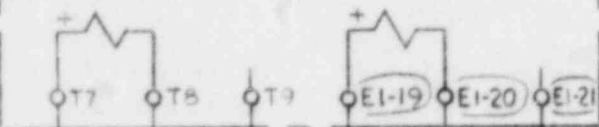
Attachment

RTGB-CP8

(X-873,867)

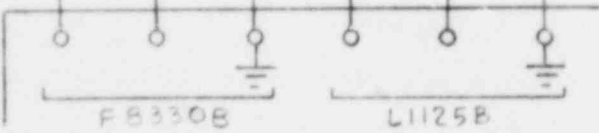
F1-FW8330B2S

LI-FW-1125B2S



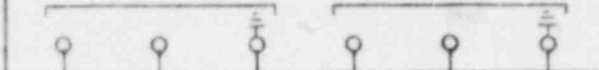
B W S A-SB

B W S B-SB



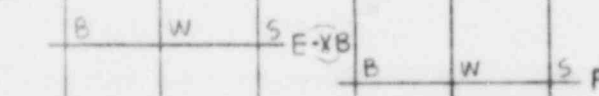
F8330B

L1125B



F8330B

L1125B



(FT-FW8330BS)

(LT-FW1125BS)

MUX CAB

LCP-43

(-9582,9581)

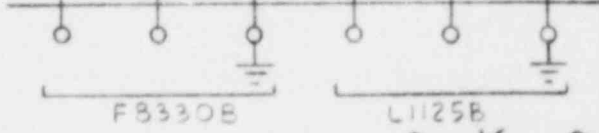
F1-FW8330B1S

LI-FW-1125B1S



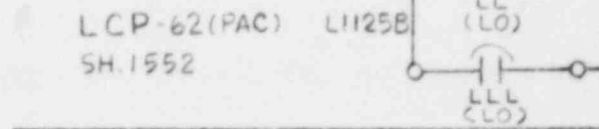
B W S C-SB

B W S D-SB



F8330B

L1125B

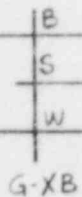


LCP-62(PAC)
SH.1552

L1125B

LL (LO)

LLL (LO)

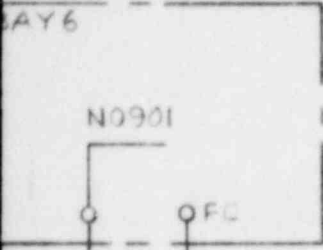


NOT
RELEASED

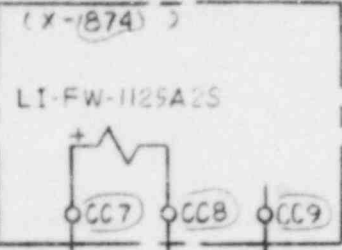
8				4			
7				3			
6				2			
5				1	3-26-82	JW/1	AP
REV	DATE	BY	APPROVED	REV	DATE	BY	APPR



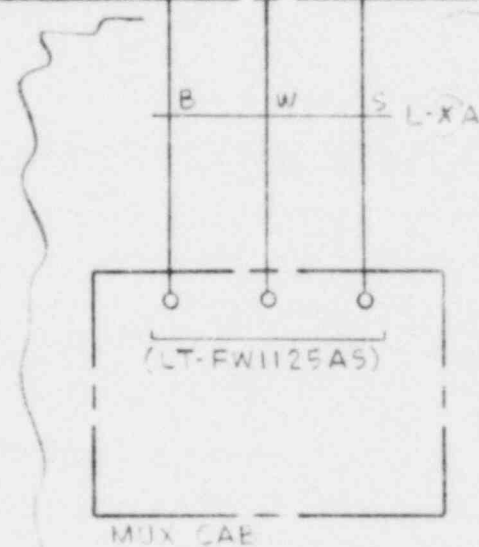
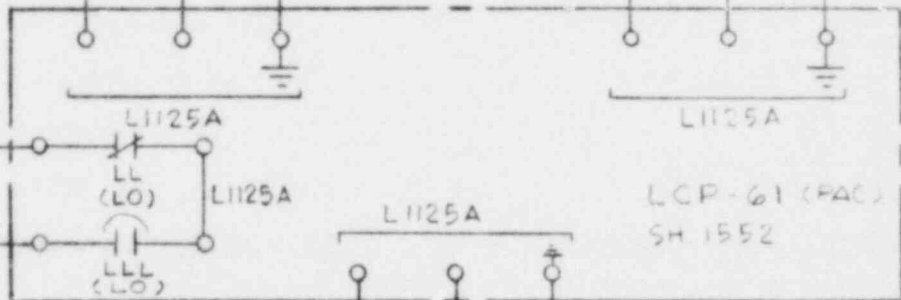
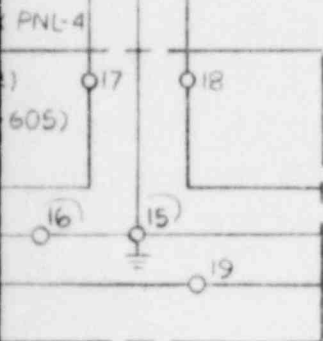
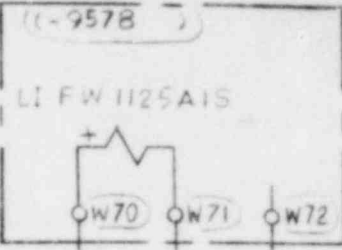
P-19 (ANN)



RTGB-CPB



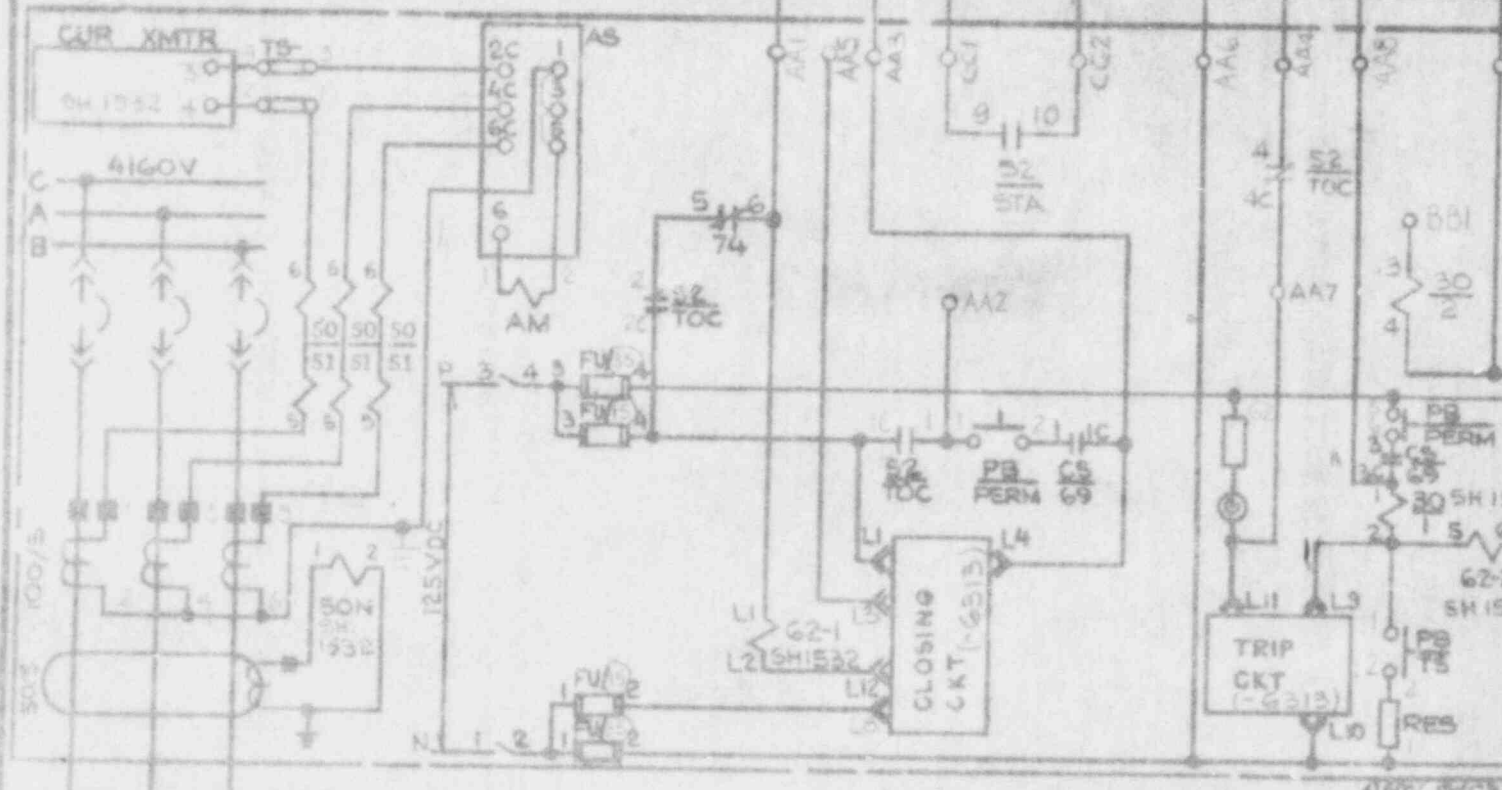
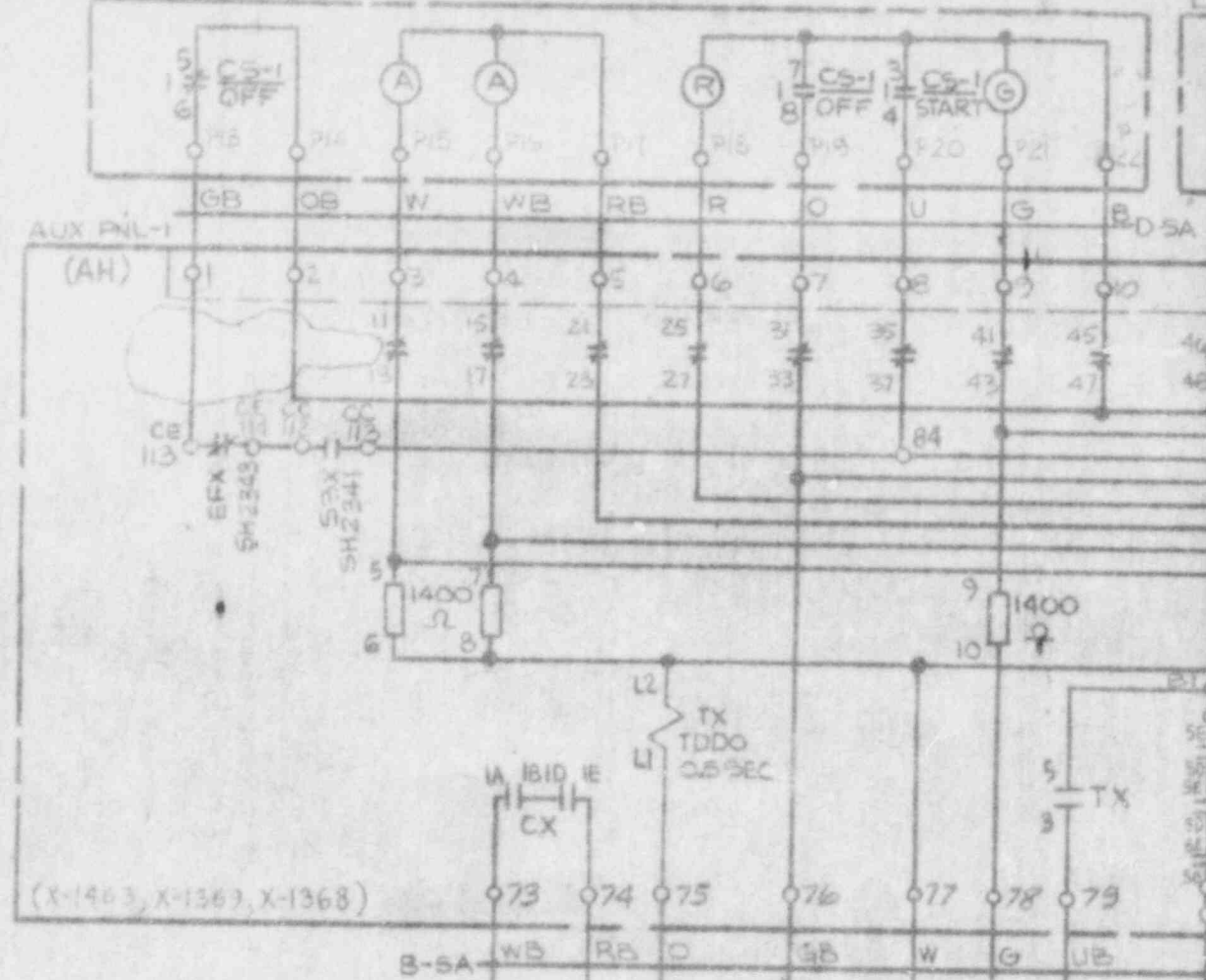
LCP-43



NOT RELEASED

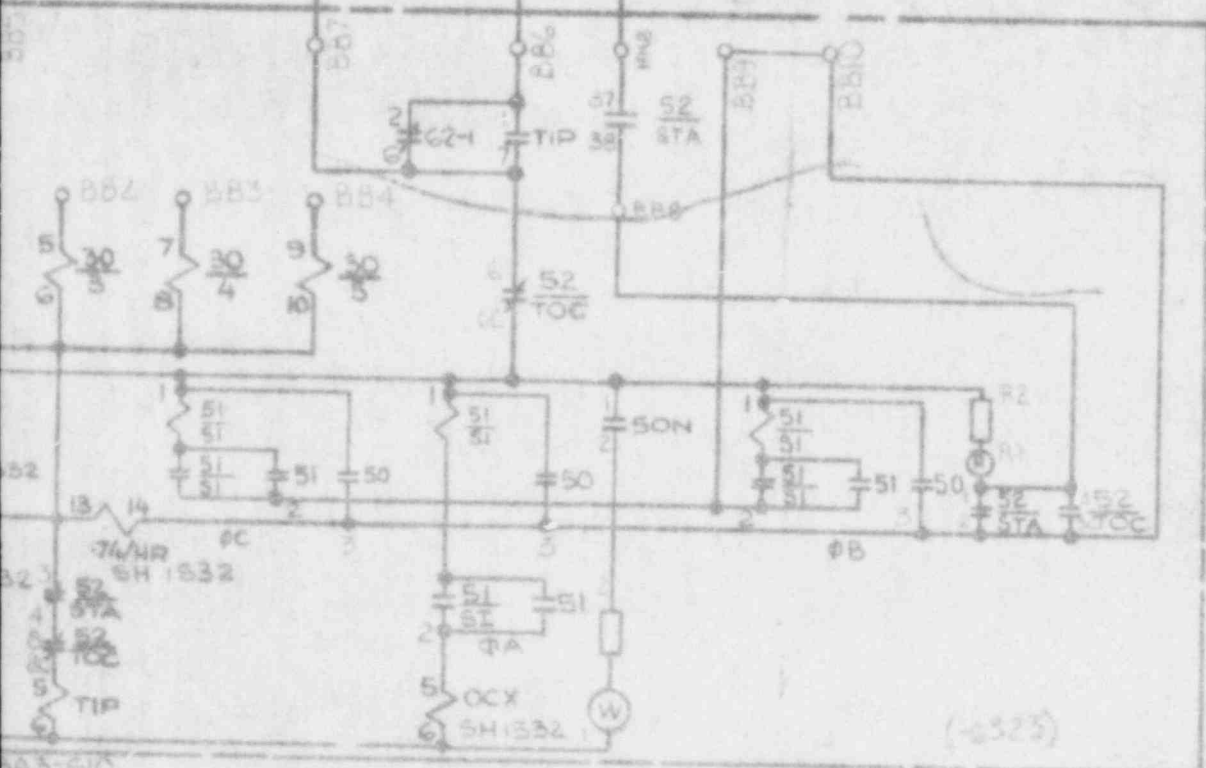
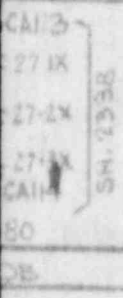
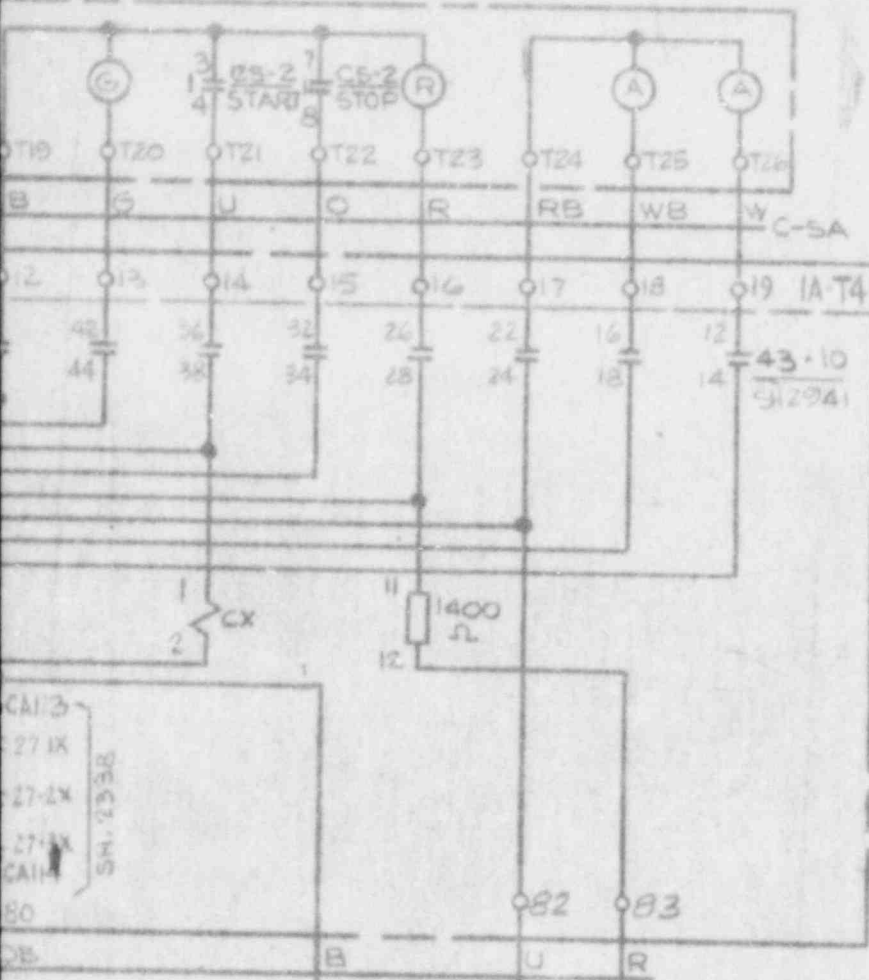
EBASCO SERVICES INCORPORATED		LOUISIANA POWER & LIGHT CO.		LOU-1564
DIV I & C DR EF		WATERFORD S. E. S. UNIT No.3		B-424
APPROVED		CONTROL WIRING DIAGRAM		SHEET 15255
CH S-LIN		S.G No.2 LEVEL (WIDE RANGE) & EFW FLOW		
DATE OCT 30, 1981				

RTGB-CPB (7.87)



(G-153-2)

6				6	11-11	
7				8	01-20	ZN
8	11-13-82	AVC	1/2	8	51-79	A
8	11-13-82	AVC	1/2	8	02-25	PERK
REV	DATE	BY	APPROVED	REV	DATE	BY



CS-1, CS-2

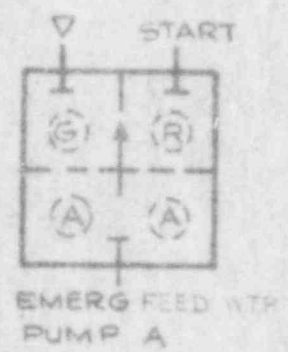
BLK	CONTACTS	POSITION			CWD SH.
		9	12	3	
		▽	NORM	START	
1	1-2	X	X		
	3-4			X	*
	5-6		X	X	*
	7-8	X			*
2	3-4			X	
	1-2		X	X	1532

FOR CS-1 ONLY

TYPE CMC * THIS SHEET

FOR CS-1 [SPRING RETURN FROM START TO NORMAL, MAINTAINED IN OFF

FOR CS-2 [SPRING RETURN TO NORM



▽ - OFF FOR CS-1
- STOP FOR CS-2

52/STA	CWD
1-2	a
3-4	b
5-6	c
7-8	b
9-10	a
11-12	b
13-14	c
15-16	b
17-18	b
19-20	b
21-22	a
23-24	b
25-26	c
27-28	b
29-30	b
31-32	b
33-34	c
35-36	b
37-38	a
39-40	b

EBASCO SERVICES INCORPORATED
NEW YORK

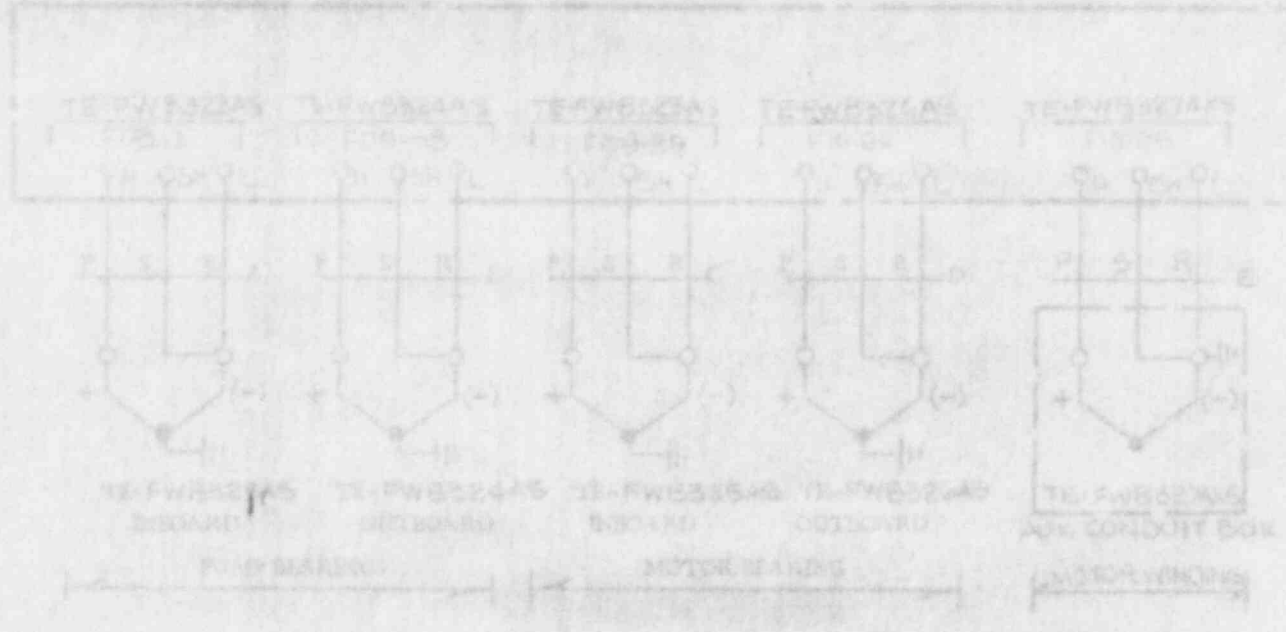
DIV. I & C OR REL. APPROVED: *[Signature]*

SCALE: NONE OR MAT. DATE: DEC 31 1952

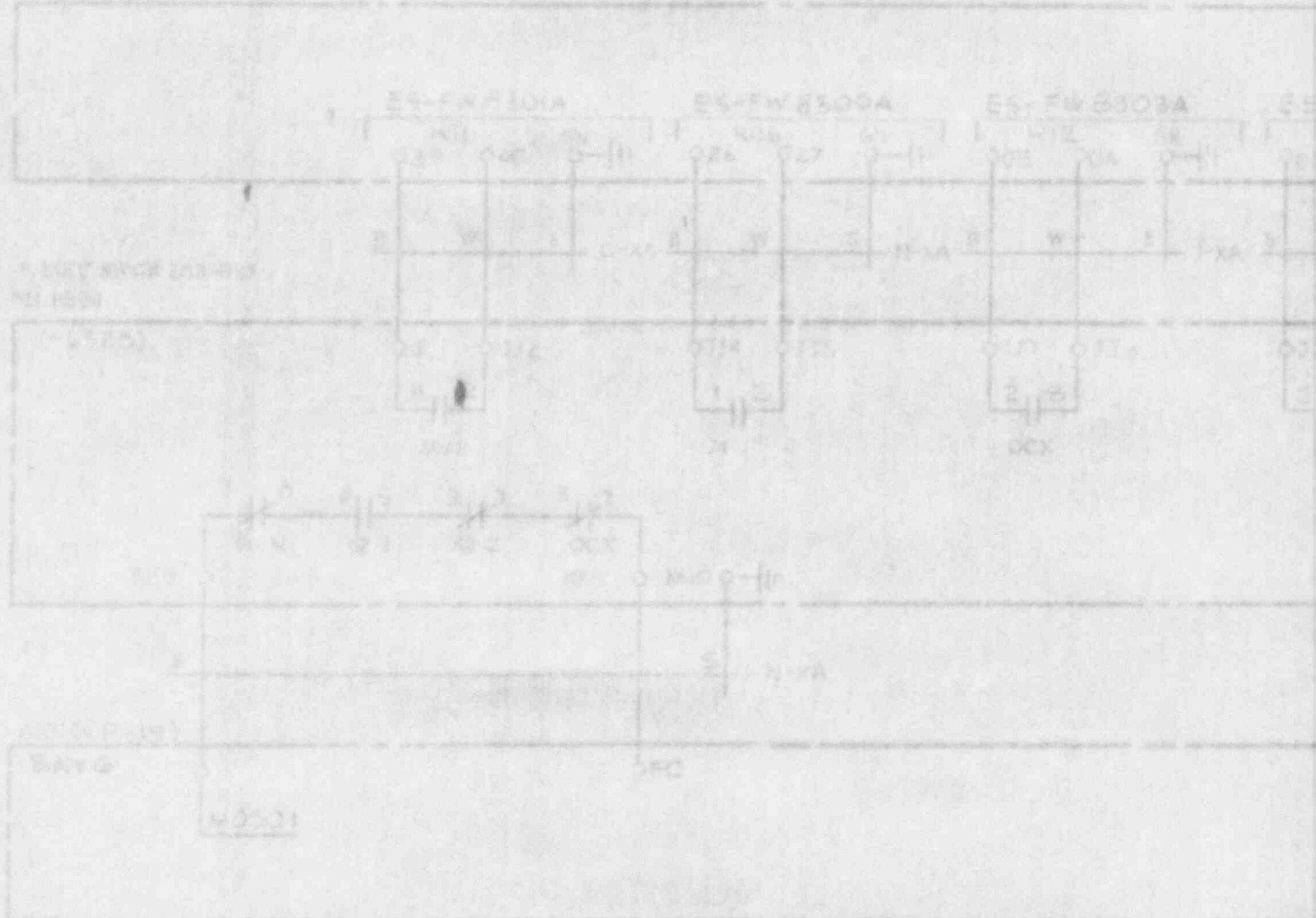
LOUISIANA POWER & LIGHT CO.
WATERFORD S. E. S. UNIT No. 3
CONTROL WIRING DIAGRAM
EMERGENCY FEEDWATER PUMP A

LOU-1564
B-424
SHEET 15313

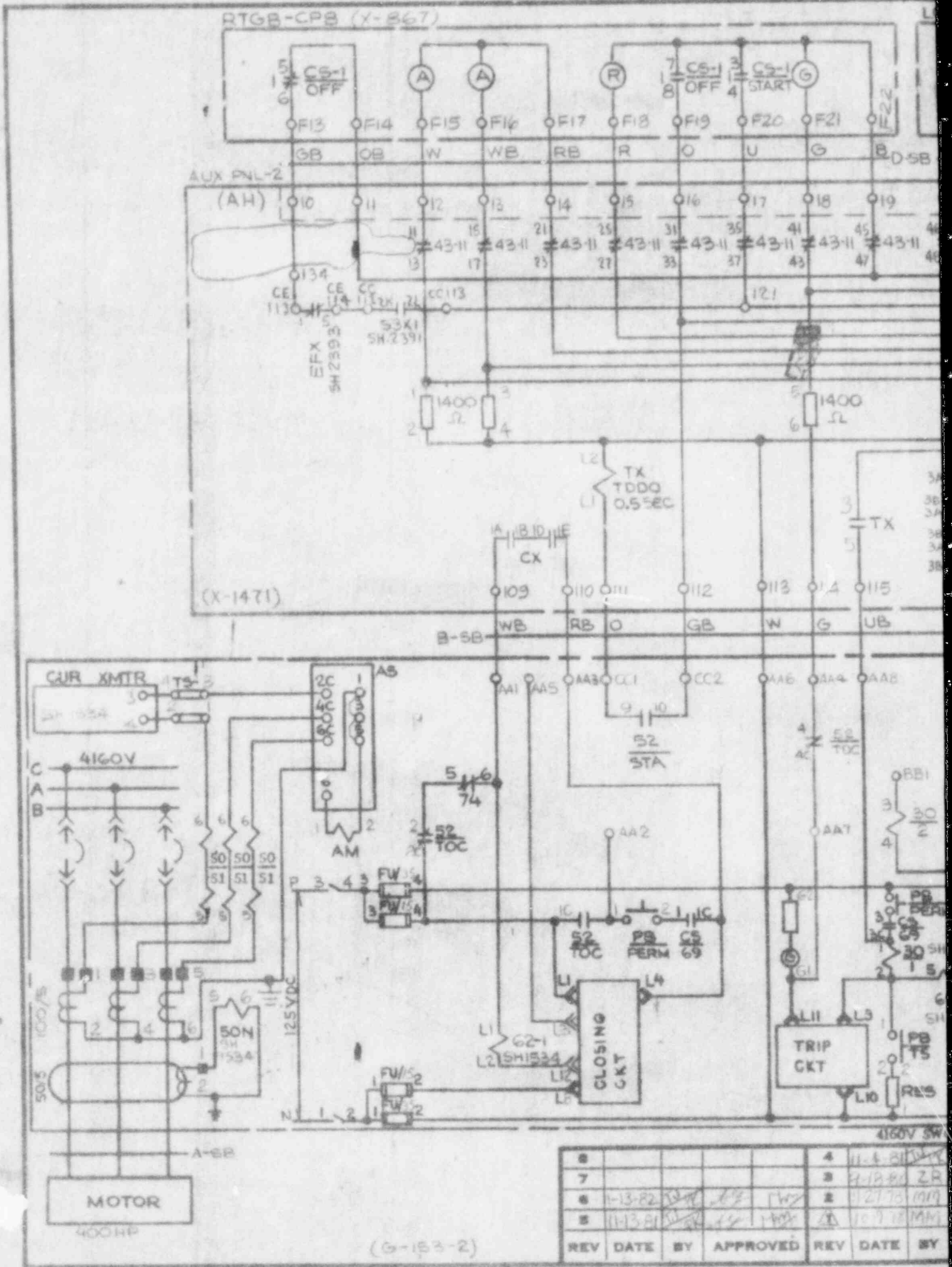
WYOMING PASSENGER



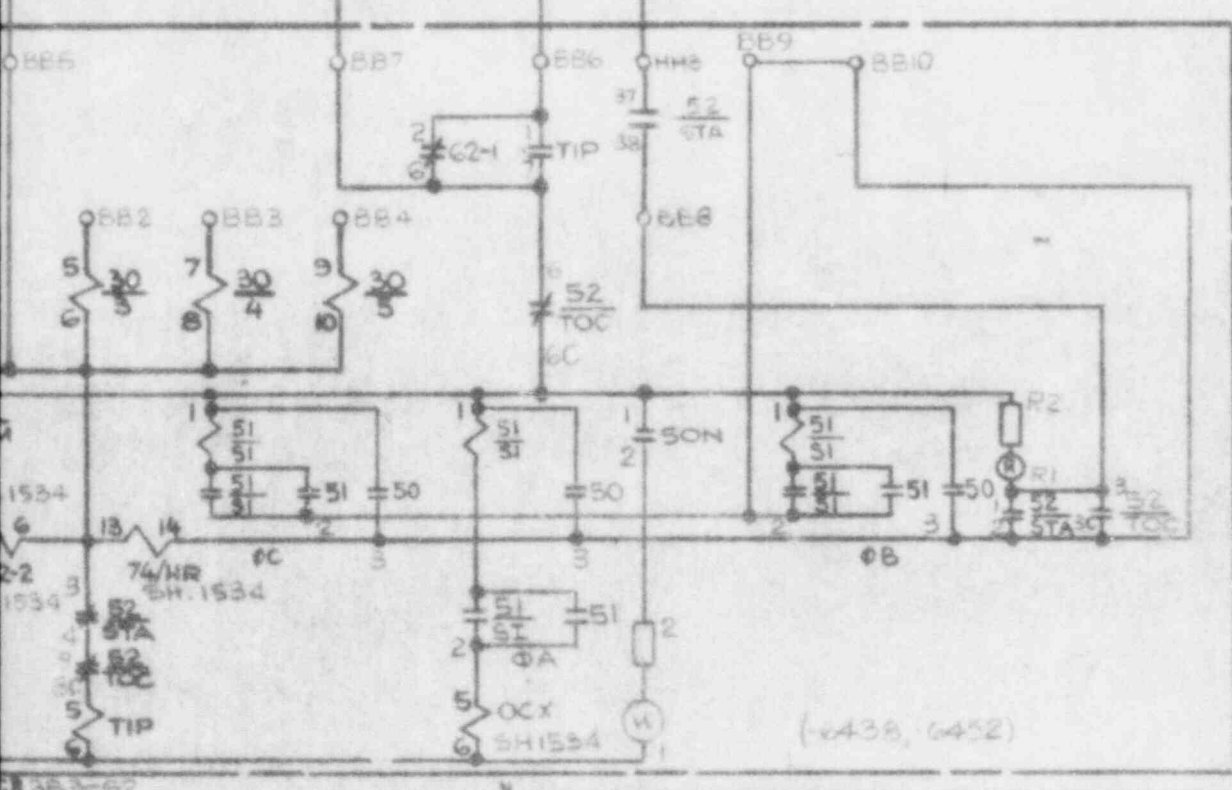
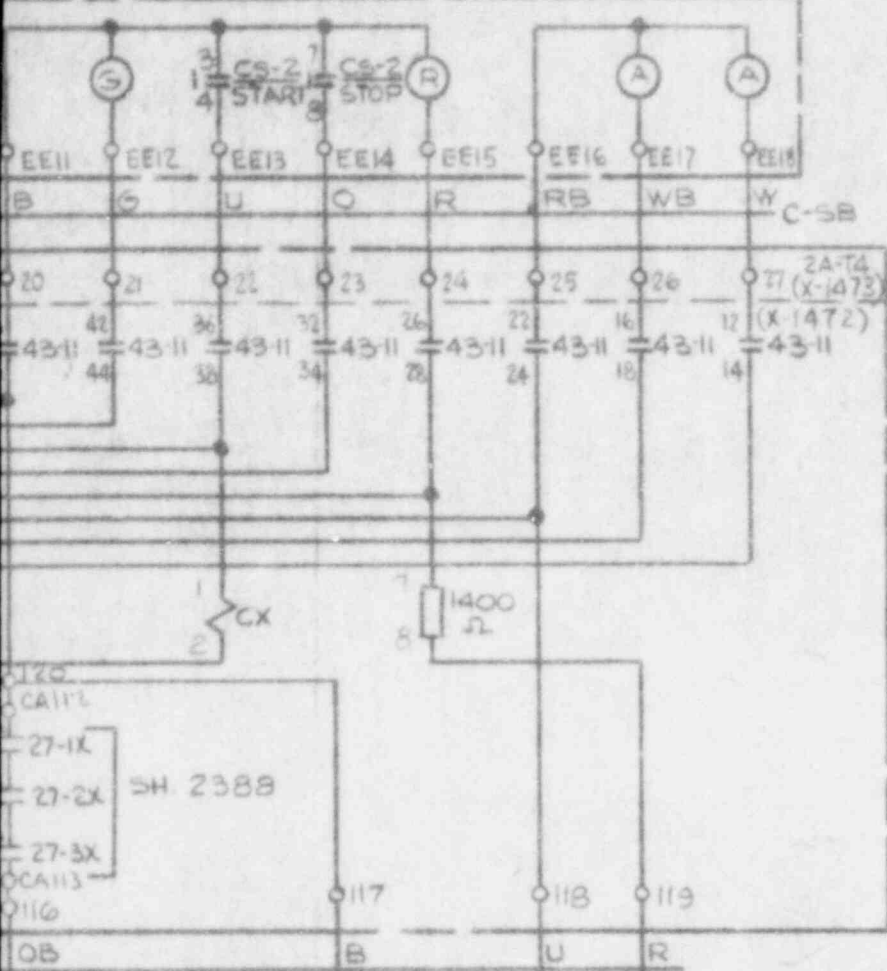
WYOMING PASSENGER



REV	DATE	BY	APPROVED	REV	DATE	BY	APPROVED	REV	DATE	BY	APPROVED
1				1				1			
2				2				2			
3				3				3			
4				4				4			



P-43 (-3581)



C5-1, C5-2

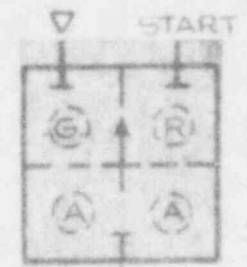
BLX	CONTACTS	POSITION			CWD SH.
		9	12	3	
1	1-2	X	X		
	3-4			X	*
	5-6		X	X	*
	7-8	X			*
2	3-4			X	
	1-2		X	X	1534

FOR C5-1 ONLY

TYPE CMC * THIS SHEET

FOR C5-1 [SPRING RETURN FROM START TO NORMAL MAINTAINED IN OFF

FOR C5-2 [SPRING RETURN TO NORM



EMERG FEEDWTR PUMP B

▽ - OFF FOR C5-1
- STOP FOR C5-2

52/STA	CWD	
1-2	a	*
3-4	b	*
5-6	a	1534
7-8	b	2386
9-10	c	*
11-12	b	2386
13-14	a	1021
15-16	b	
17-18	a	
19-20	b	
21-22	a	
23-24	b	
25-26	c	
27-28	b	
29-30	c	
31-32	b	
33-34	a	
35-36	b	
37-38	c	*
39-40	b	

* THIS SHEET

EBASCO SERVICES INCORPORATED
NEW YORK

DIV IAC DR REL. APPROVED

SCALE NONE CH MAZ

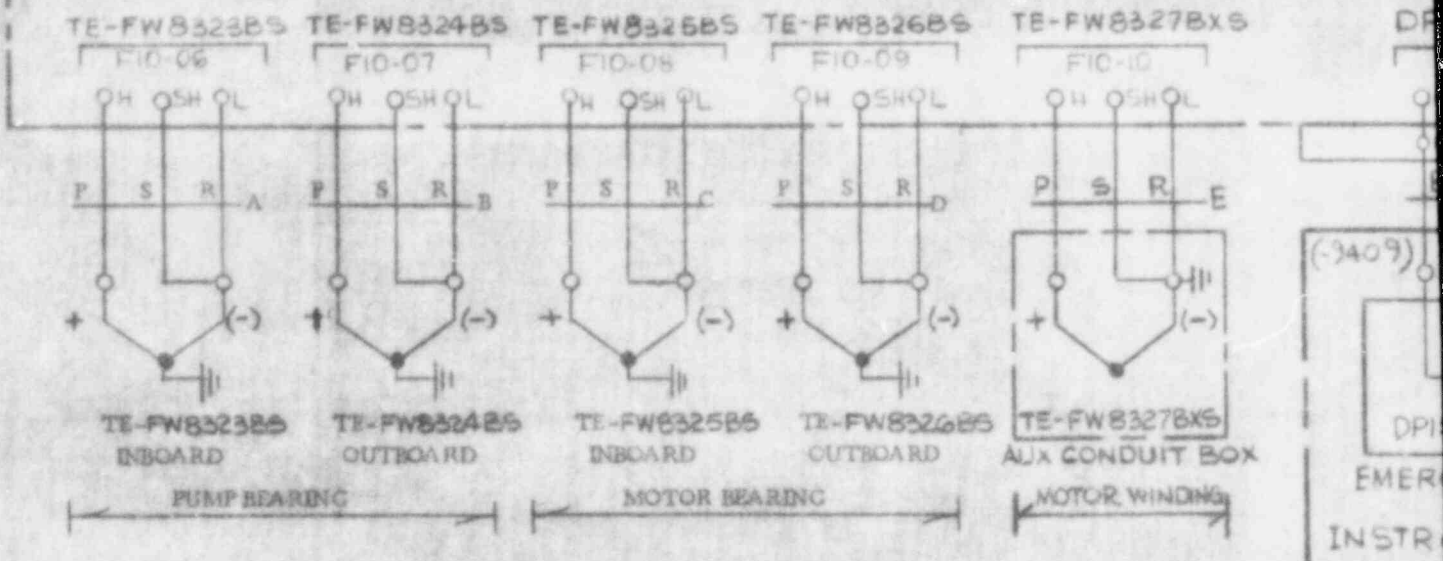
DATE DEC 21 1954

LOUISIANA POWER & LIGHT CO.
WATERFORD S. E. S. UNIT No. 3
CONTROL WIRING DIAGRAM

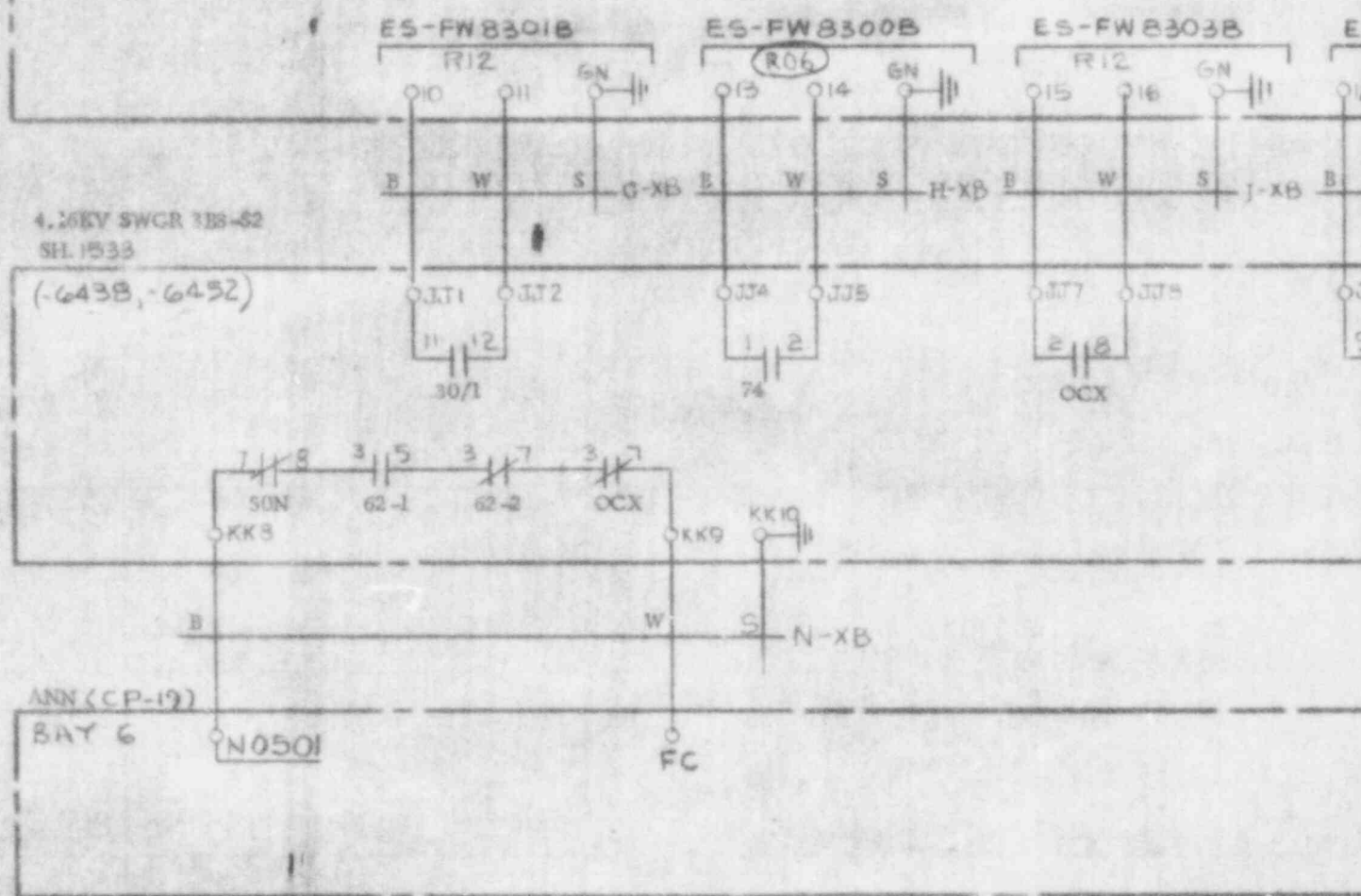
EMERGENCY FEEDWATER PUMP B

LOU-1564
B-424
SHEET 1534

MUX CAB RA3502



MUX CAB RA 2105

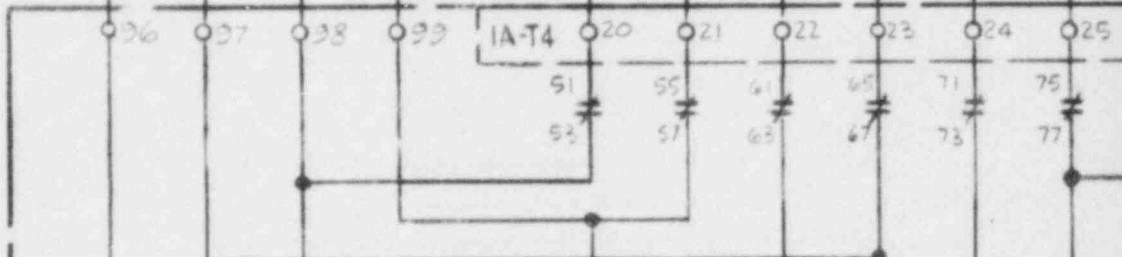
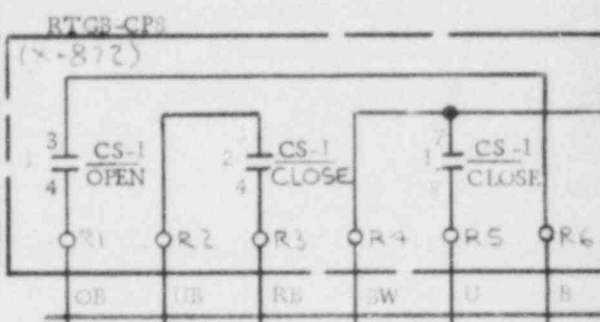
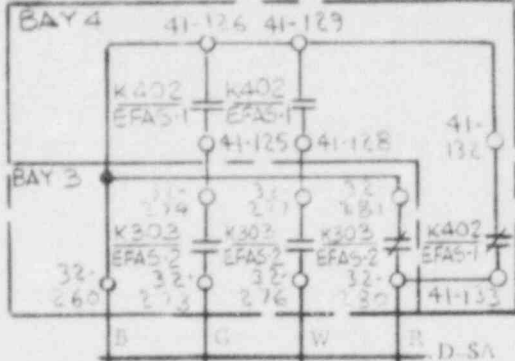


8				4	4-4-79	SR	RL
7				2	2-26-79	MM	RL
6	9-1-81	<i>[Signature]</i>	<i>[Signature]</i>	1	10-9-78	MM	RL
5	3-23-81	<i>[Signature]</i>	<i>[Signature]</i>	1	12-2-77	EM	RL
REV	DATE	BY	APPROVED	REV	DATE	BY	A

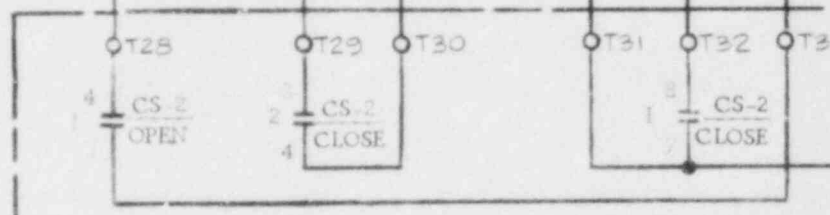
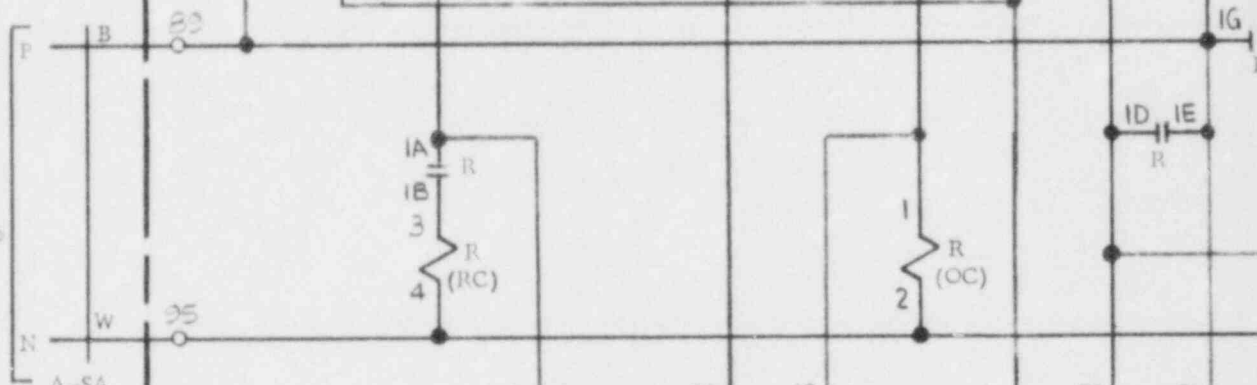
INCHES CAL.

INCHES CAL.

ESFAS CAB A (-6410)



125V DC
REF #21 DC B
LCP-4



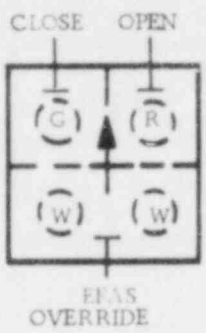
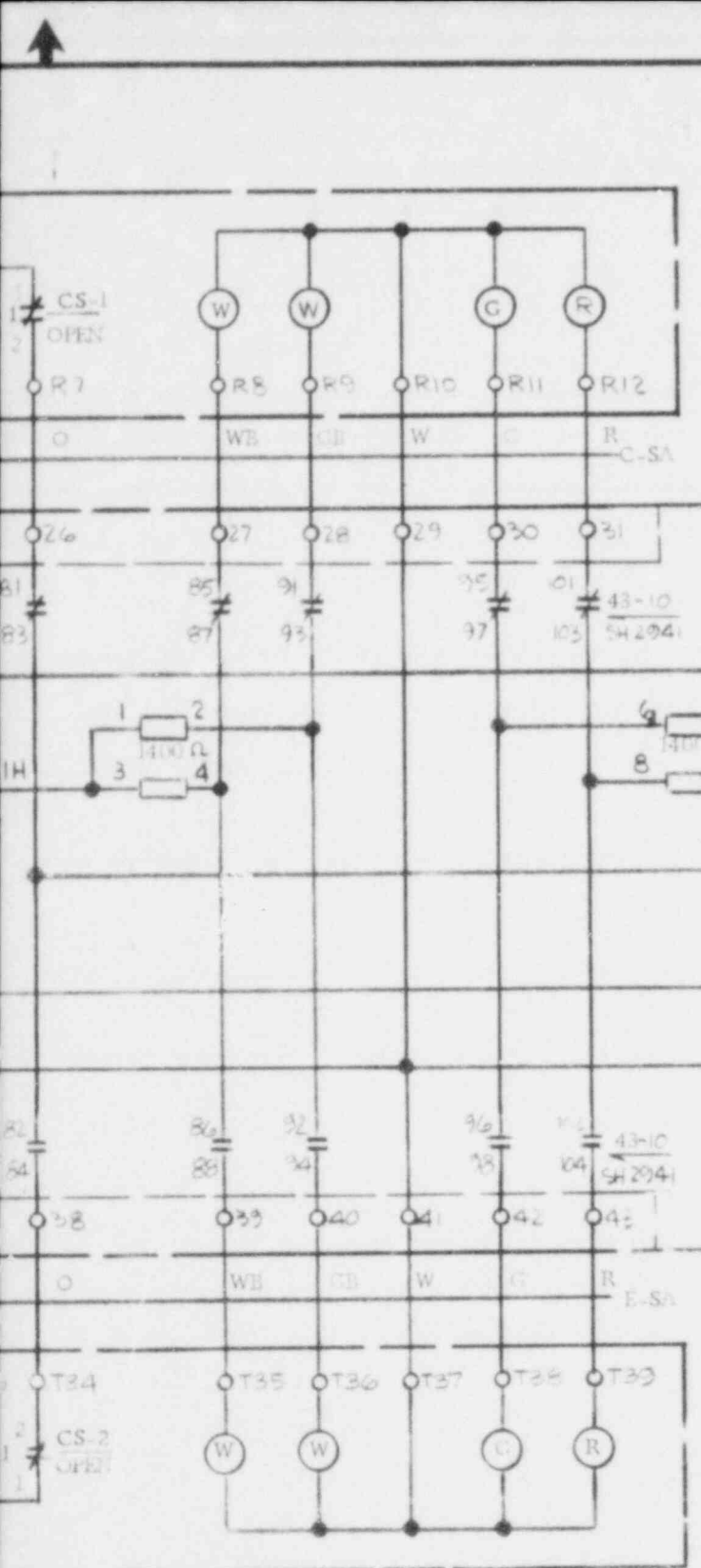
LCP-4 (-9577)

INCHES
0 1 2 3 4 5
CM

(G-151)

8					4			
7					3			
6					2	11.12.77	SM	
5					1	10.9.77	SM	
REV	DATE	BY	APPROVED	REV	DATE	BY		

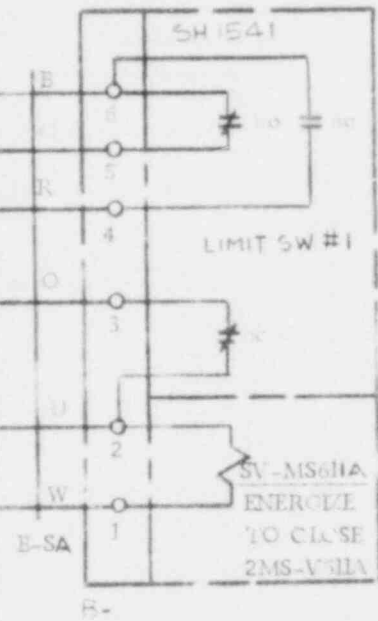
INCHES
0 1 2
CM



CS-1, CS-2

BLK	CONTACTS	POSITION			CWD SH.
		9	12	3	
		CLOSE	NORM	OPEN	
1	1-2	X	X		
	3-4			X	*
	5-6		X	X	
	7-8	X			*
2	1-2	X	X		
	3-4	X			

TYPE CMC * THIS SHEET
SPRING RETURN TO NORMAL



EBASCO SERVICES INCORPORATED

DIV I & C DR SR

CH MAZIEMSKI

DATE MAR 8, 1977

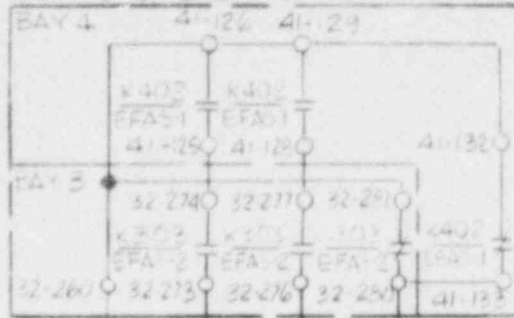
APPROVED

APPROVED

LOUISIANA POWER & LIGHT CO.
WATERFORD S. E. S. UNIT No.3
CONTROL WIRING DIAGRAM
EMERGENCY FW PUMP TURBINE
STM SHUT OFF VA 2MS-V611A

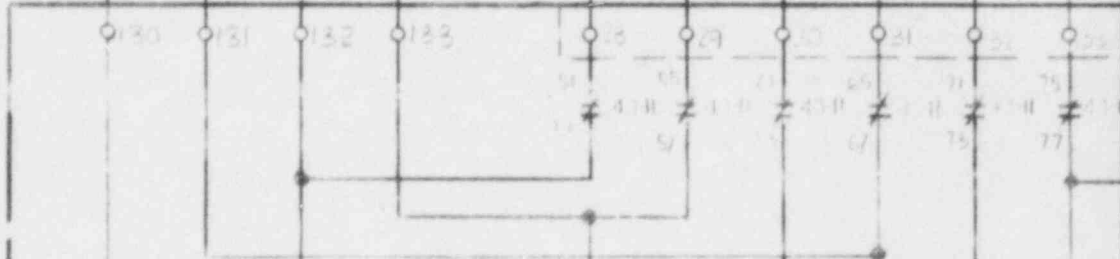
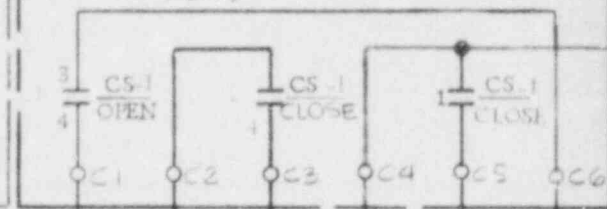
LOU-1564
B-424
SHEET 15355

ELFAS CAB B (-3-10)

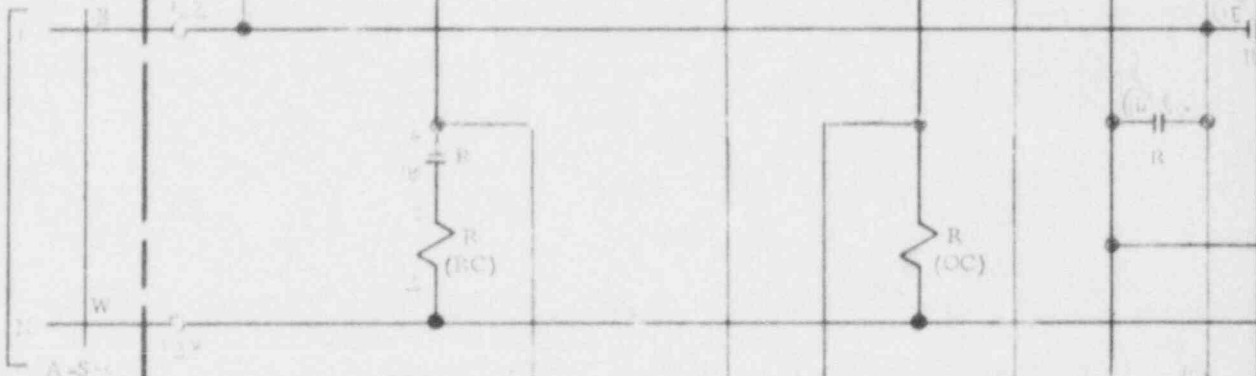


RTGS-CP

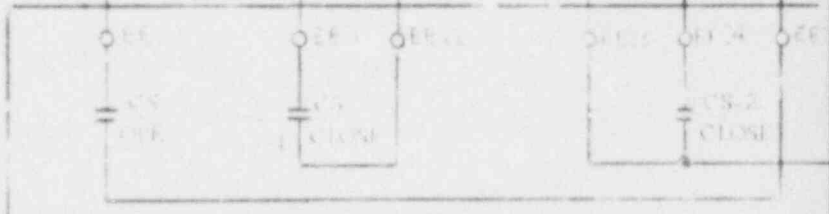
(X-266)



12 V DC



(AH)

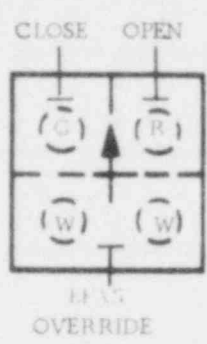
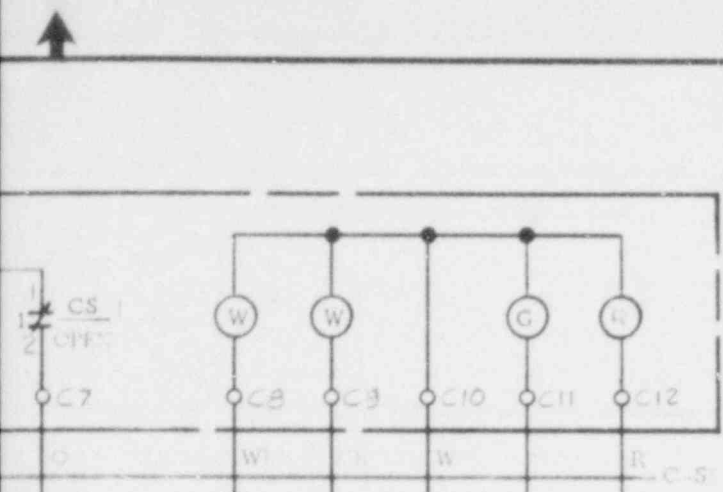


LIX 1 (-3681)

INCHES
0 1 2 3 4 5
Cm. 0 1 2 3 4 5

8					4			
7					3			
6					2			
5					1			
REV	DATE	BY	APPROVED	REV	DATE	BY		

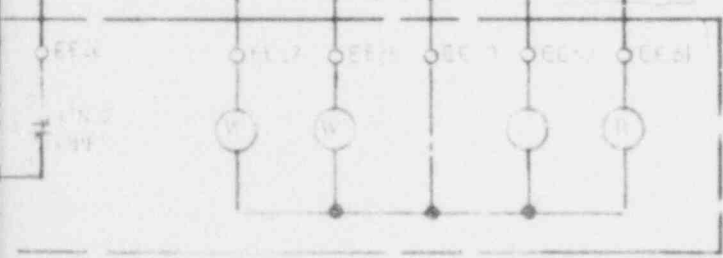
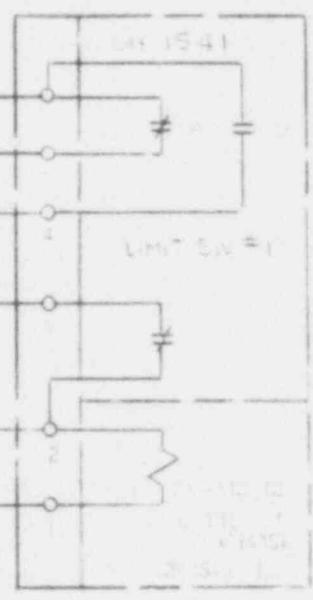
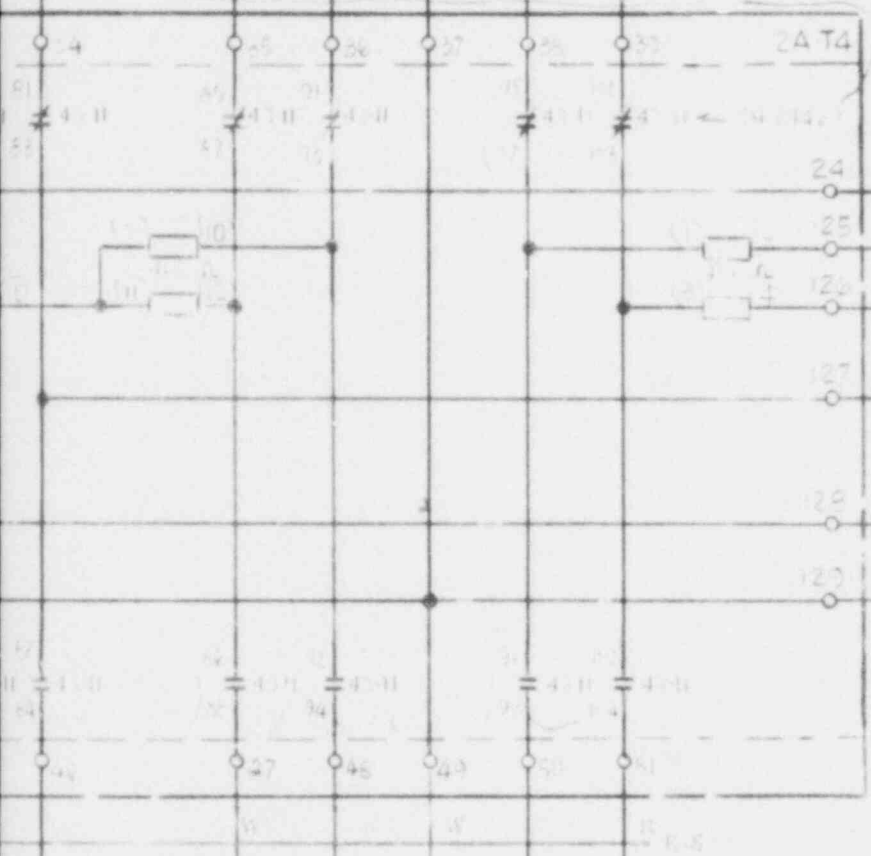
INCHES 0 1 2



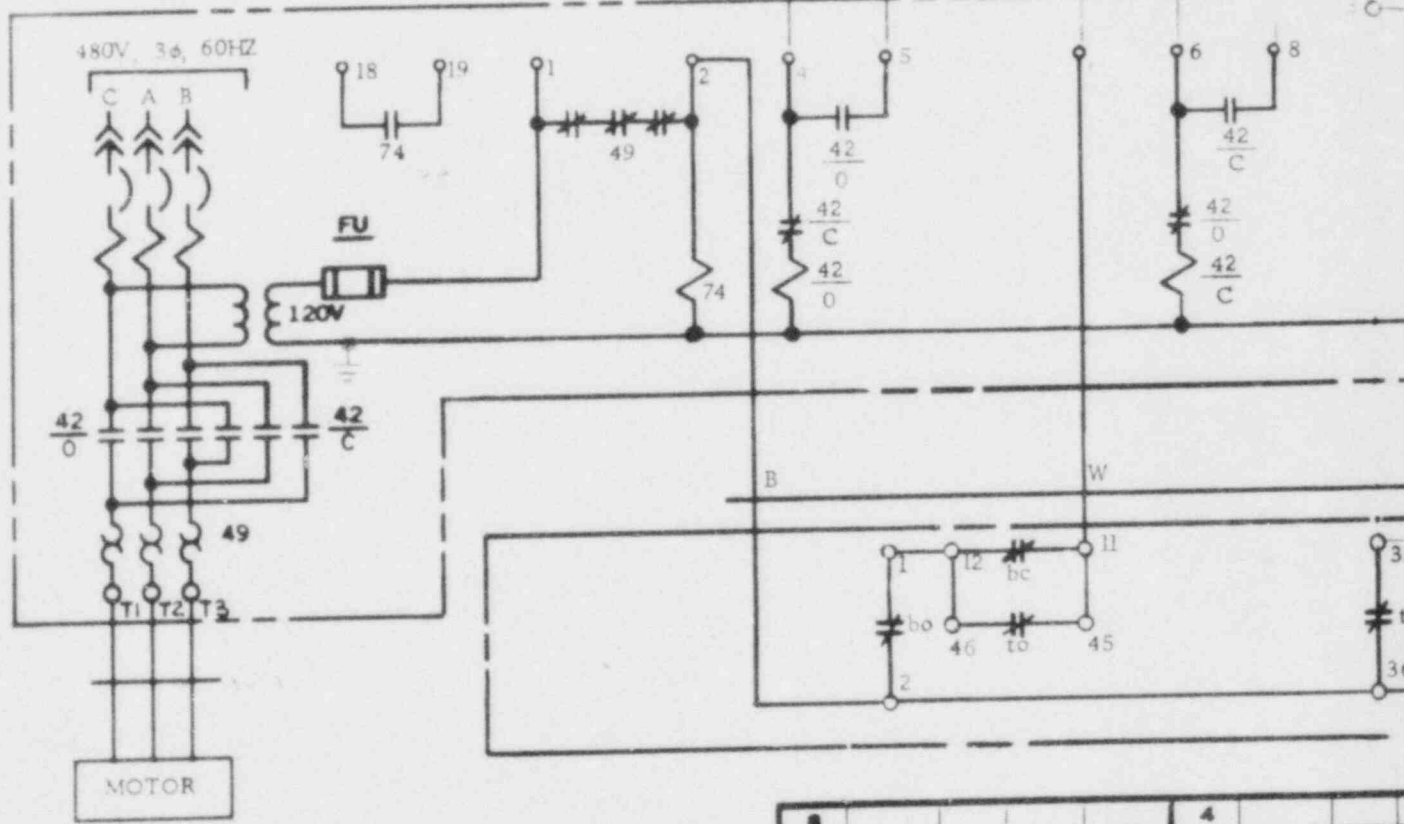
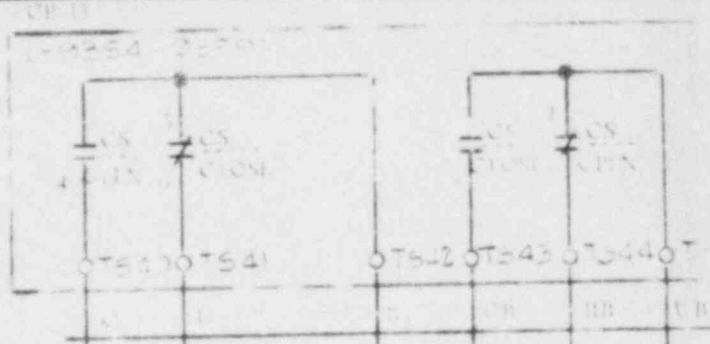
CS 3, CS 2

BLK	CONTACTS	POSITION			CWD SH
		9	12	3	
		CLOSE	NORM	OPEN	
1	1-2	X	X		
	3-4			X	*
	5-6		X	X	
	7-8	X			*
2	1-2	X	X		
	3-4	X			

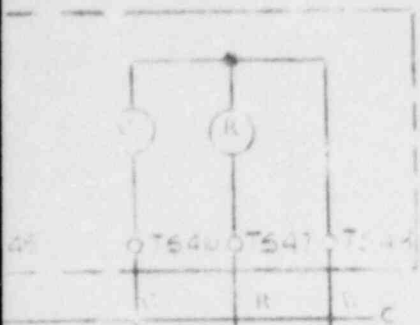
TYPE CMC - THIS SHEET
SPRING RETURN TO NORMAL



EBASCO SERVICES INCORPORATED DIV I & L DR SR CH MAZ E... DATE MAR 5 1977		APPROVED <i>[Signature]</i>	LOUISIANA POWER & LIGHT CO. WATERFORD S. E. S. UNIT No.3 CONTROL WIRING DIAGRAM EMERGENCY FW PUMP TURBINE STM SHUT OFF VA 2MS-V61	LOU-1564 B-424 SHEET 1266
---	--	--------------------------------	---	---------------------------------



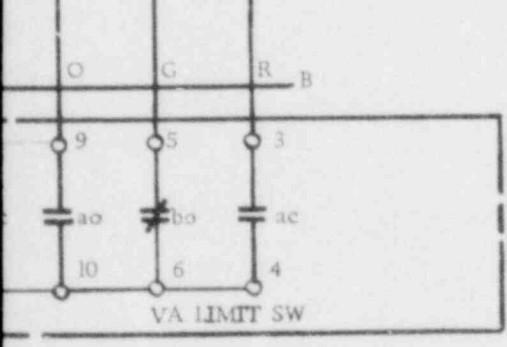
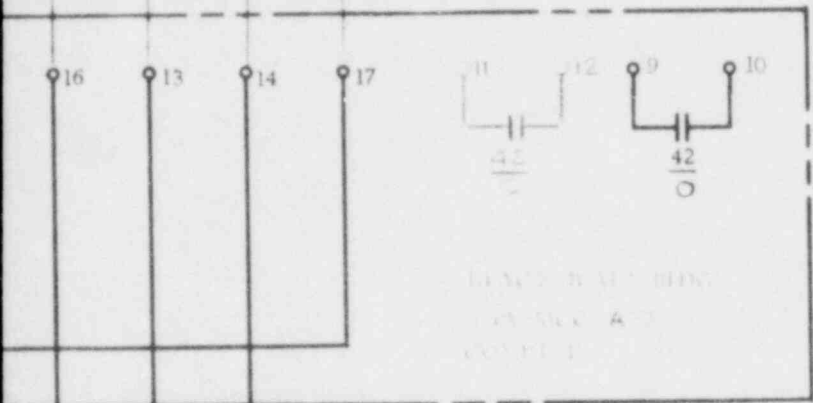
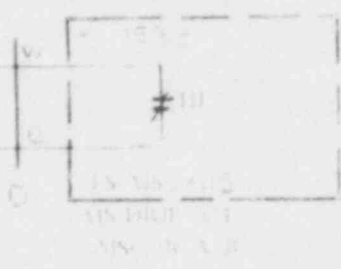
8				4			
7				3			
6				2			
5				1	10/25		
REV	DATE	BY	APPROVED	REV	DATE	BY	



CS

CONTACTS	POSITION			WD SH
	1	2	3	
1-2	X	X		
3-4			X	
5-6		X	X	
7-8	X			

TYPE CWC * THIS SHEET
SPRING RETURN TO NORM



LIMIT SW DEVELOPMENT				
EBASCO SYM	CONT	VALVE OPNG	% CWC	
		0	100	SH.
bo	1-2	=====		*
ac	3-4	=====		*
bo	5-6	=====		*
ac	7-8	=====		
ao	9-10	=====		*
bc	11-12	=====		*
ao	13-14	=====		
bc	15-16	=====		
a%	17-18	=====		
b%	19-20	=====		
a%	21-22	=====		
b%	23-24	=====		
b%	25-26	=====		
a%	27-28	=====		
b%	29-30	=====		
a%	31-32	=====		
tc	35-36	OPENS ON OVLN ON CLOSE STRK		*
to	45-46	OPENS ON OVLN ON OPEN STRK		*

== CONT CLOSED * = THIS SHEET

EBASCO SERVICES INCORPORATED
NEW YORK

LOUISIANA POWER & LIGHT CO.
WATERFORD S. E. S. UNIT No.3
CONTROL WIRING DIAGRAM

LOU-1564
E-424
SHEET 1537

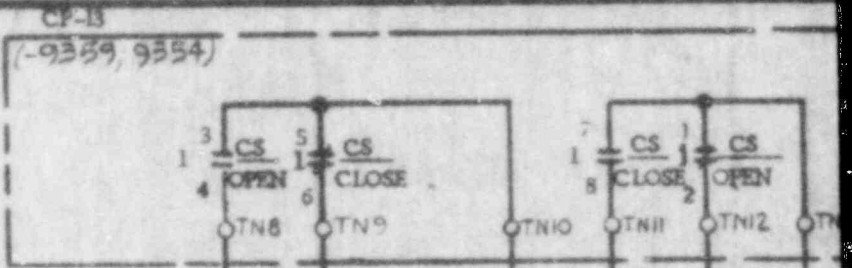
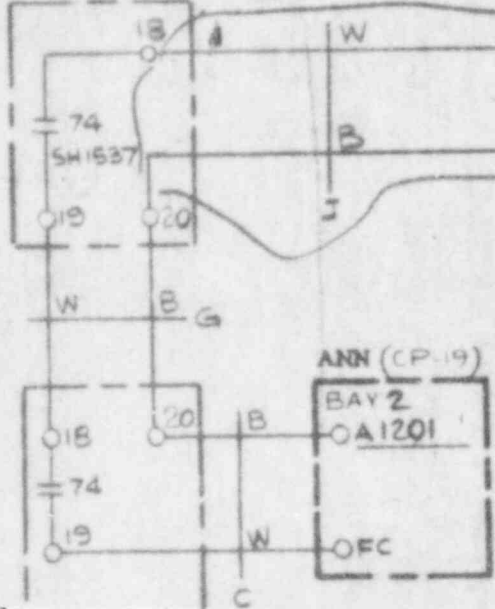
DIV IAC DR _____
SCALE NONE CH _____
DATE _____

APPROVED _____

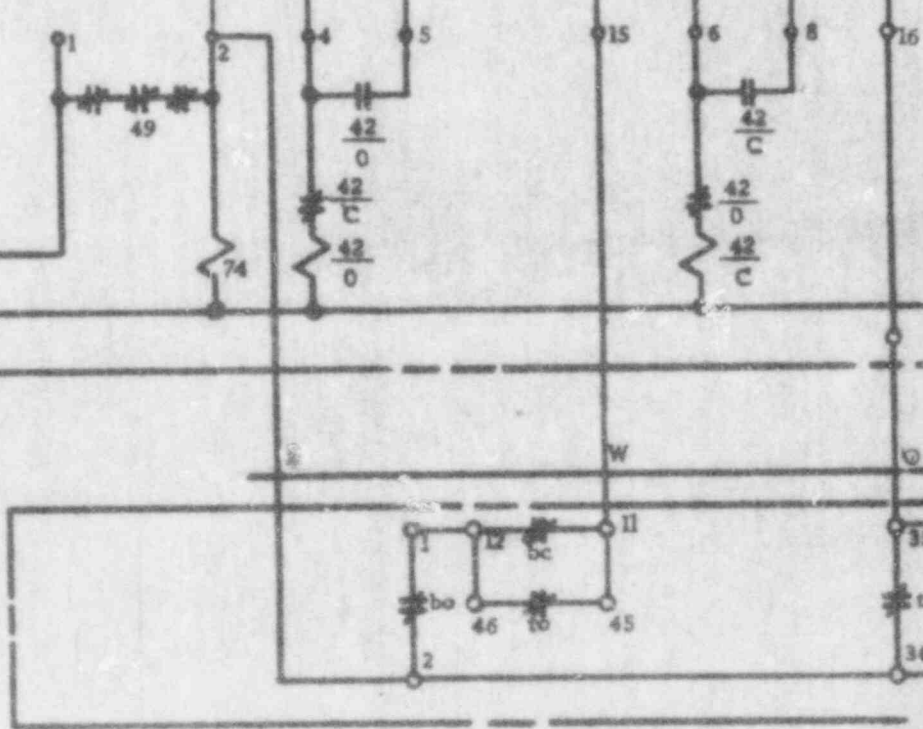
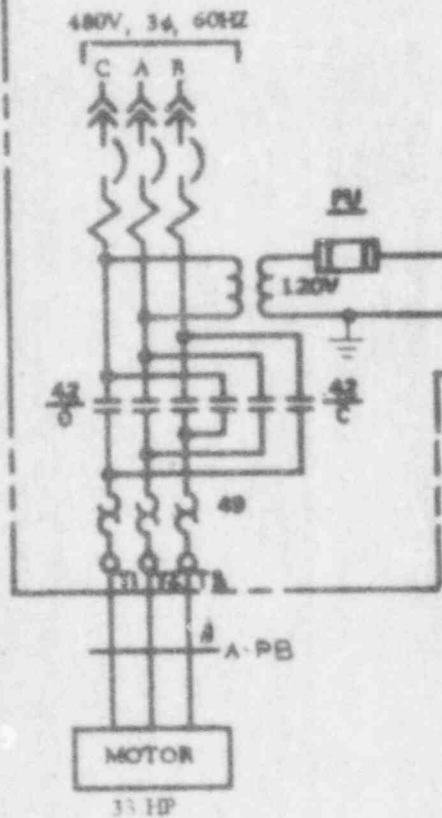
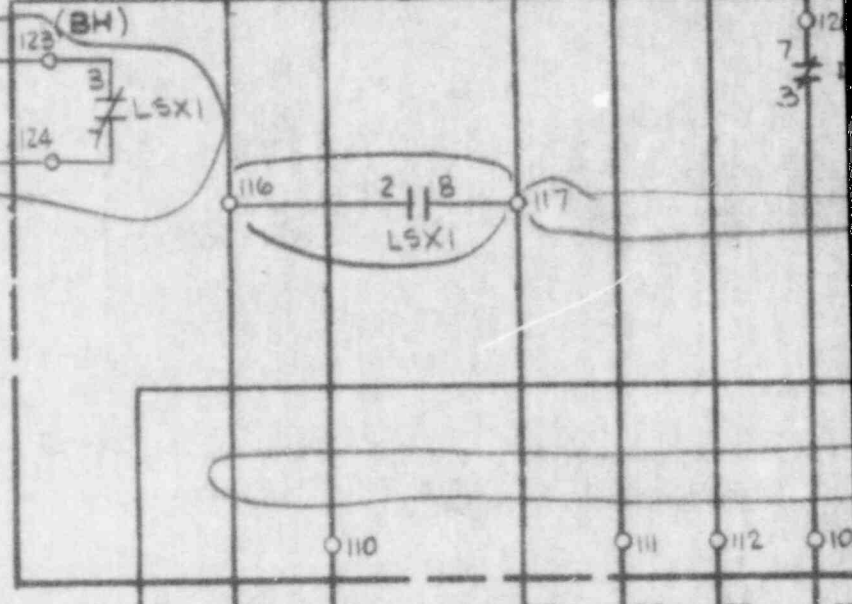
APPROVED _____



480V
MCC 3A313
COMPT 9F

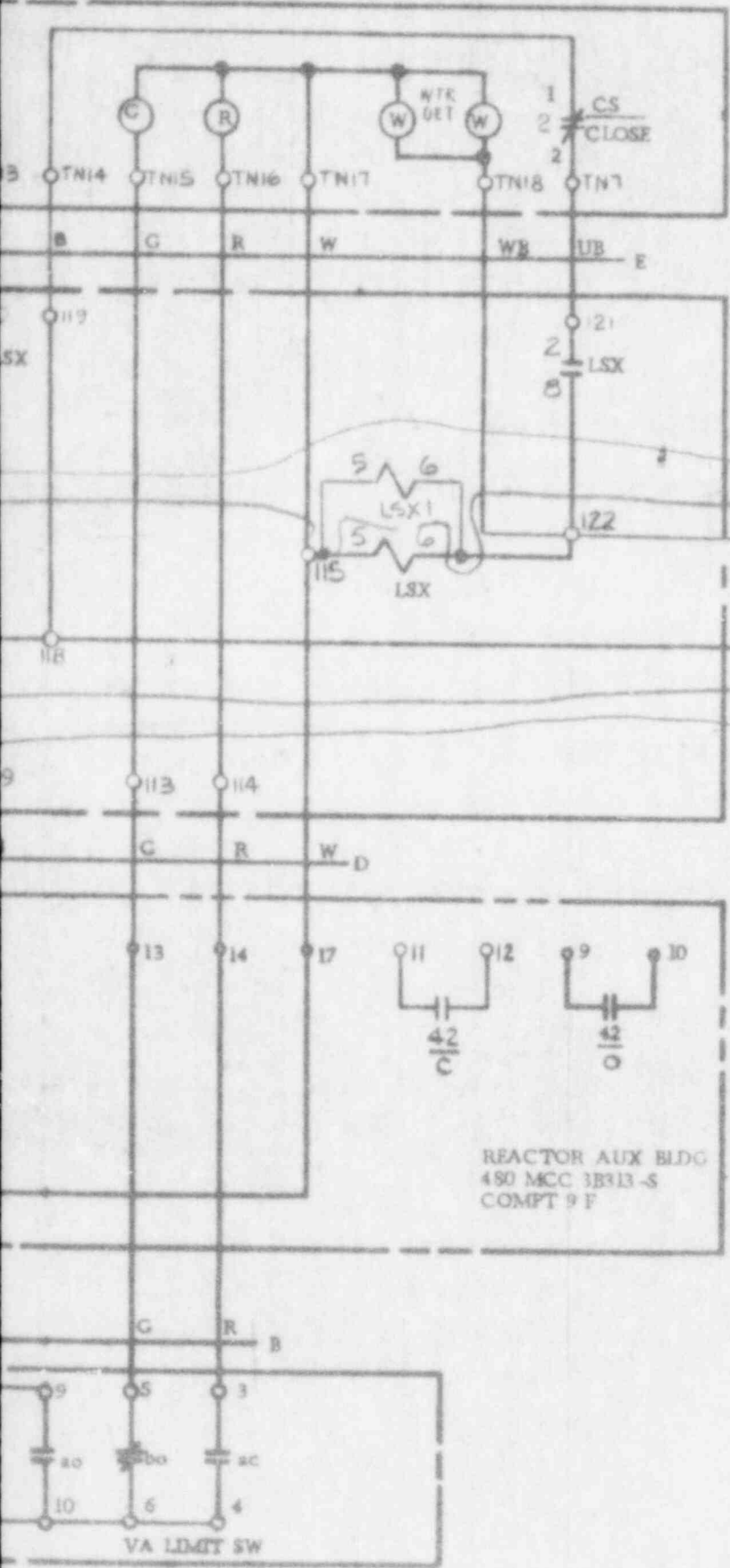


AUX.PNL-4



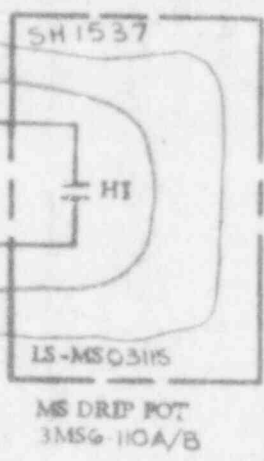
(G-165-2)

8				4	10-15-79	AC	
7				7	1-9-79	AC	
6	1-8-81	PJK	TH2	6	7-3-78	MAZ	
5	11-28-79	ZR	TH2	5	10-29-76	WJ	
REV	DATE	BY	APPROVED	REV	DATE	BY	



BLK	CONTACTS	POSITION			CWD SH.
		9 CLOSE	12 NORM	3 OPEN	
1	1-2	X	X		*
	3-4			X	*
	5-6		X	X	*
	7-8	X			*
2	3-4			X	
	1-2		X	X	*

TYPE CMC * THIS SHEET
 SPRING RETURN TO NORM



REACTOR AUX BLDG
 450 MCC 3B313-S
 COMPT 9 F

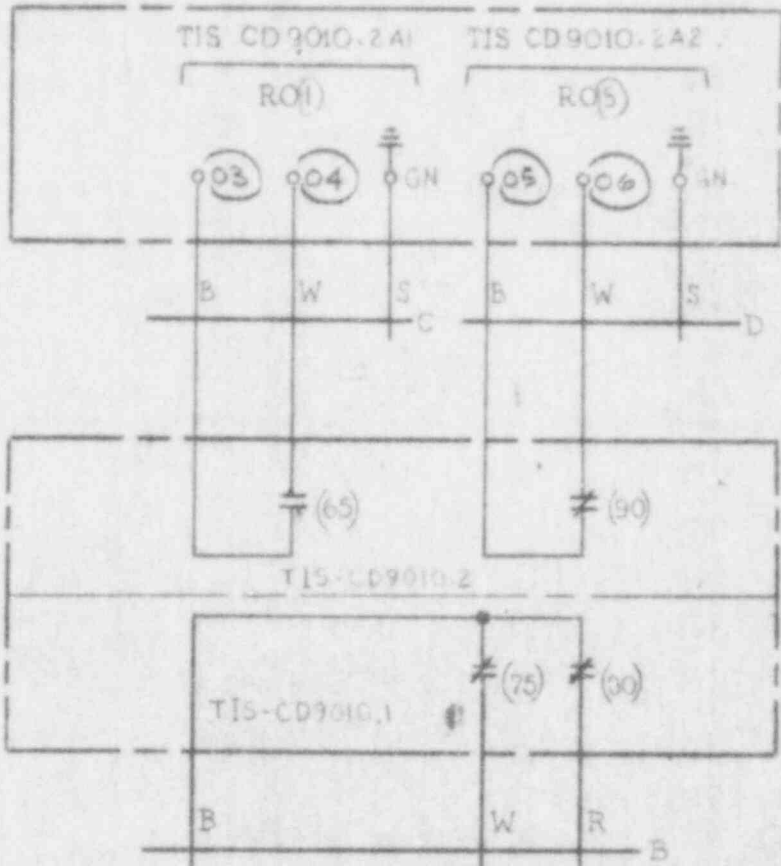
REACTOR BLDG	CONT	VALVE	OPNS	% CLOS
BB	1-2			100% SH.
BC	3-4			*
BD	5-6			*
BE	7-8			*
BF	9-10			*
BG	11-12			*
BH	13-14			*
BI	15-16			25%
BJ	17-18			
BK	19-20			
BL	21-22			
BM	23-24			
BN	25-26			
BO	27-28			
BP	29-30			
BQ	31-32			
BC	35-36	OPENS ON	DRIP	*
BD	45-46	OR CLOSE	STOP	*

APPROVED: *[Signature]*
 DIV. IAG BR. SR
 SCALE NONE ON MAZ
 DATE MAY 2, 1976
 APPROVED: *[Signature]*

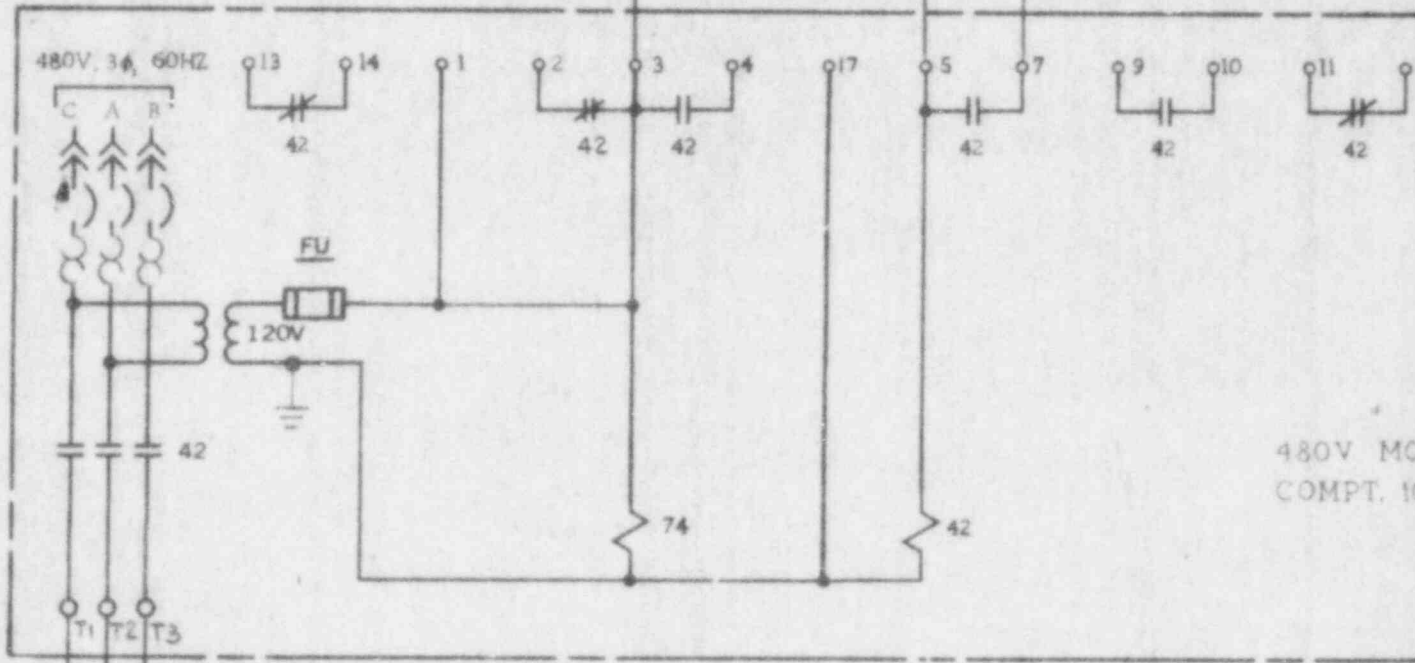
LOUISIANA POWER & LIGHT CO.
 WATERFORD S. E. S. UNIT No. 3
 CONTROL WIRING DIAGRAM
 EMERG FWPT TURBINE STEAMLINE EMERG
 DRAIN VA 3M5-VG85

LOU-1564
 B-424
 SHEET 1538
 4

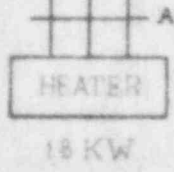
MUX. CAB. RA2102



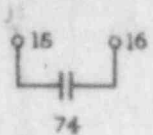
CONDENSATE
STORAGE
POOL



480V MC
COMPT. 10



8				4			
7				3			
6				2			
5				1			
REV	DATE	BY	APPROVED	REV	DATE	BY	APPROVED



C 3A213
K

EBASCO SERVICES INCORPORATED
NEW YORK

DIV	IBC	DR	A.S.
CH			
DATE	APR 1 1981		

APPROVED
R. Friedrichs
MB

LOUISIANA POWER & LIGHT CO.
WATERFORD S. E. S. UNIT No. 3
CONTROL WIRING DIAGRAM

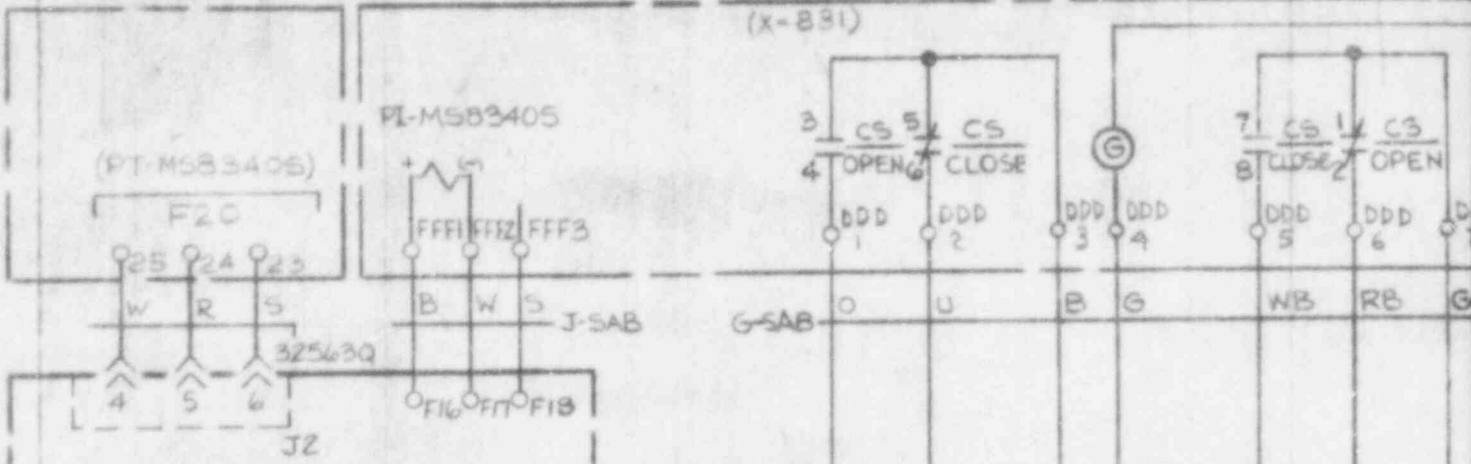
CONDENSATE STORAGE POOL HEATER

LOU-1564
B-424
SHEET 1539

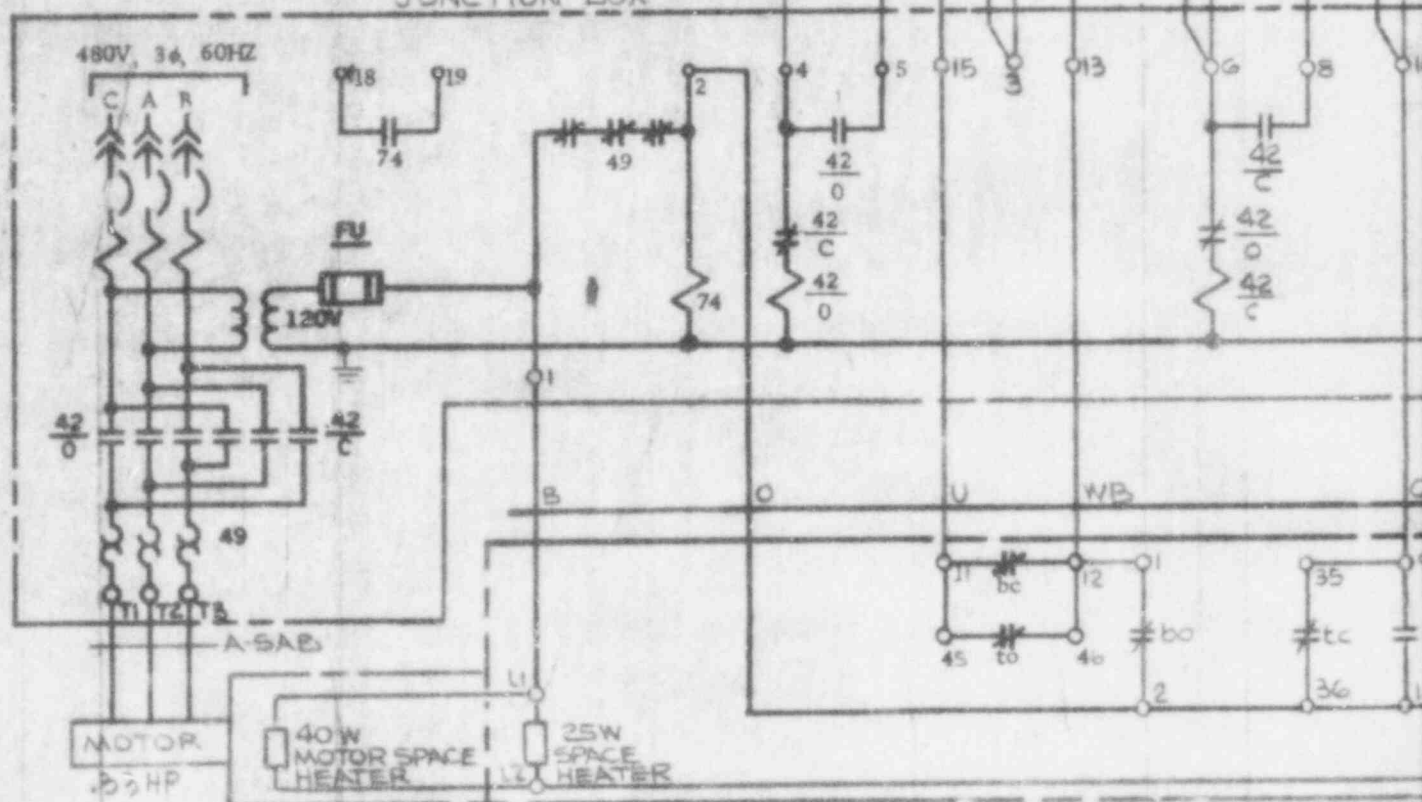
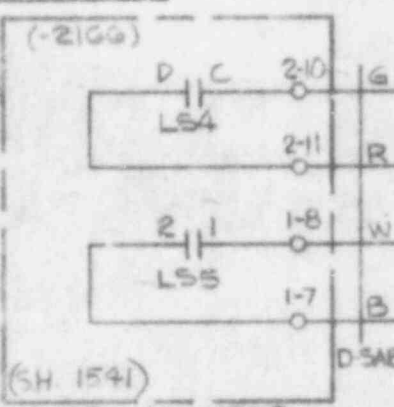
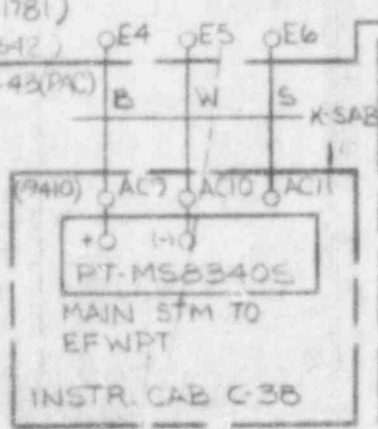
MUX RAZ105

RTGB-CPB

(X-831)

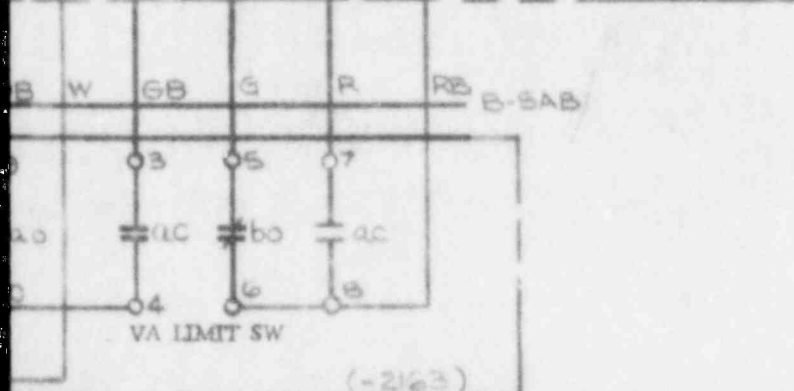
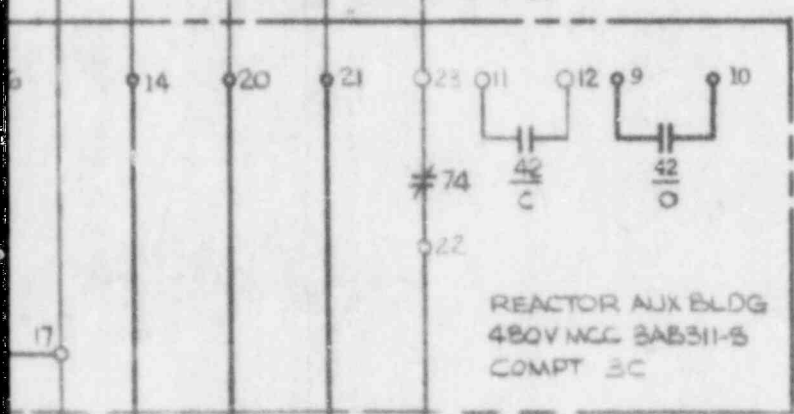
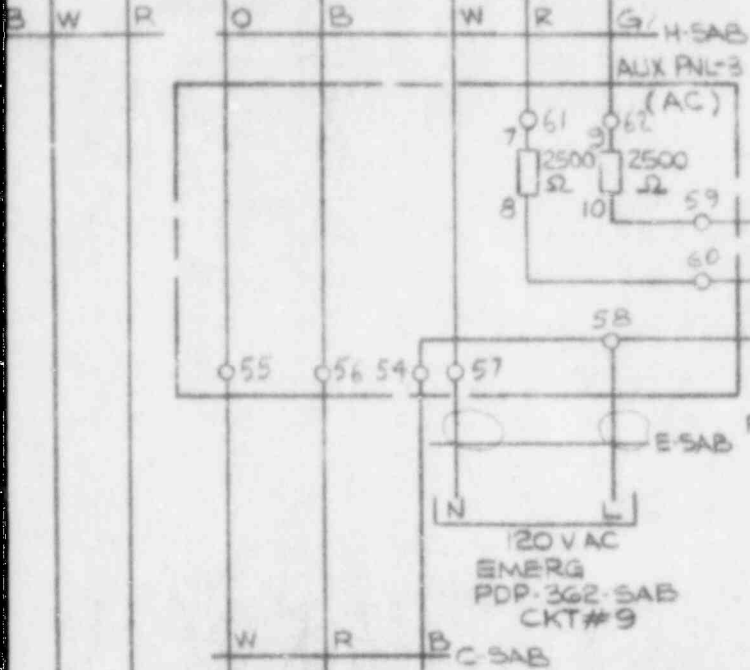
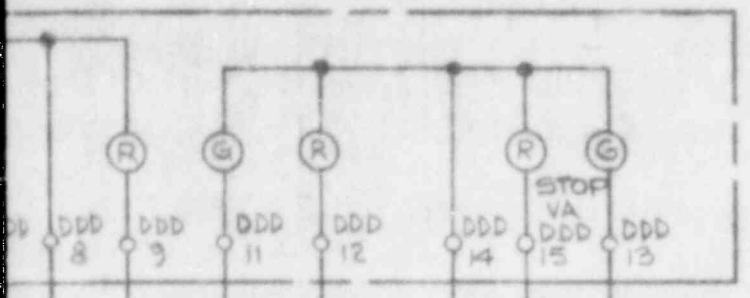


(X-1781)
(N642)
CP-43(PAC)



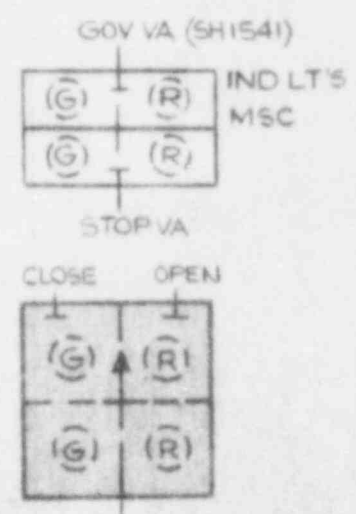
12				8	4-21-81	PL	4	5-27-81	AC	PL	
11				7	3-31-81	PL	3	4-5-81	EM	PL	
10				6	2-11-81	ZR	2	2-5-81	AC	PL	
9	7-6-81	PL	PL	5	11-24-79	PL	1	3-15-79	AT	PL	
REV	DATE	BY	APPROVED	REV	DATE	BY	APPROVED	REV	DATE	BY	APPROVED

(G-151-1)



CONTACTS	POSITION			CWD SH.
	9	12	3	
1-2	X	X		*
3-4			X	*
5-6		X	X	*
7-8	X			*

TYPE CMC * THIS SHEET
SPRING RETURN TO NORM



LEGEND
 LS3] CLOSE AFTER
 LS4] TRIP
 LS5] CLOSE AFTER OVERSPEED
 LINKAGE IS RESET

LIMIT SW DEVELOPMENT			
EBASCO SYM	CONT	VALVE OPNG %	CWP SH.
bo	1-2	0	100
bc	3-4		*
bo	5-6		*
bc	7-8		*
ao	9-10		*
bc	11-12		*
ao	13-14		*
bc	15-16		*
bc	17-18		*
bc	19-20		*
bc	21-22		*
bc	23-24		*
bc	25-26		*
bc	27-28		*
bc	29-30		*
bc	31-32		*
tc	35-36	OPENS ON OVLN ON CLOSE STRK	*
to	45-46	OPENS ON OVLN ON OPEN STRK	*

--- = CONT CLOSED * = THIS SHEET

EBASCO SERVICES INCORPORATED
NEW YORK

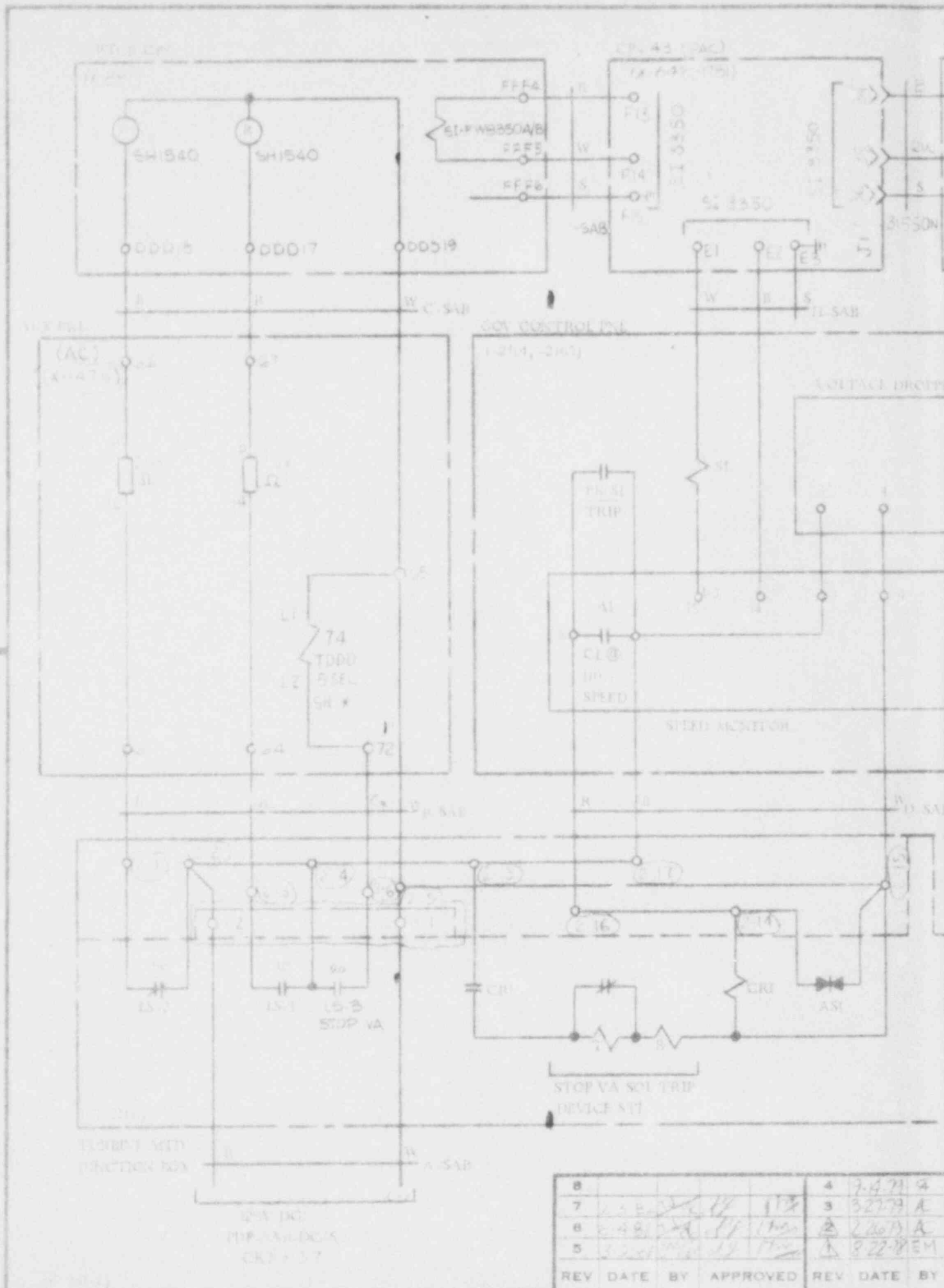
DIV **IOC** DR **REL**
SCALE **NONE** CH **MAZ**
DATE **DEC 21 1977**

APPROVED
[Signature]

PROVED
[Signature]

LOUISIANA POWER & LIGHT CO.
WATERFORD S. E. S. UNIT No.3
CONTROL WIRING DIAGRAM
EMERGENCY FWPT STOP VA

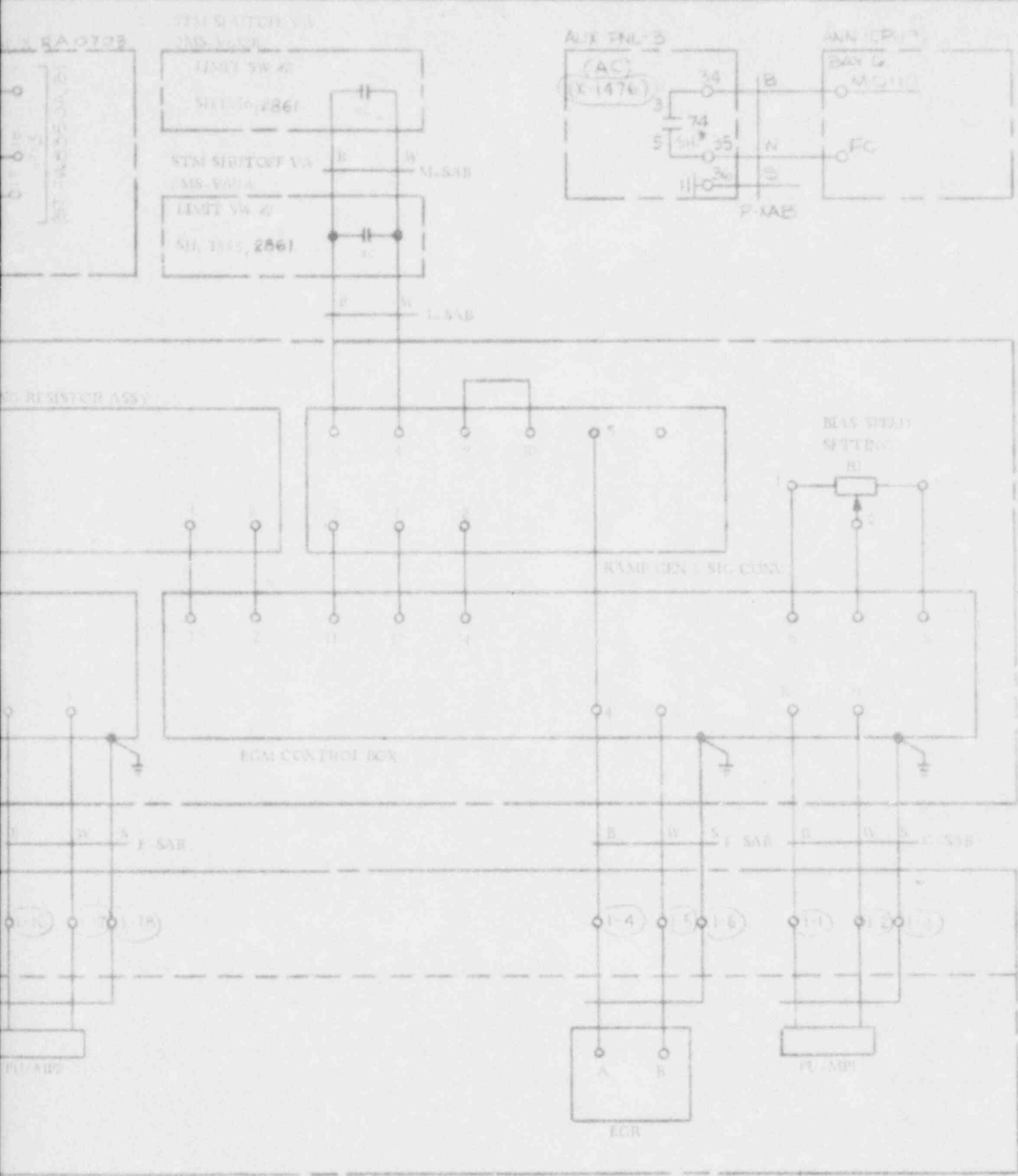
LOU-1564
B-424
SHEET 15403
4



INCHES
 1
 2
 3
 4
 5
 6
 7
 8
 9
 10

8				4	2-4-71	9
7	2-5-68	11	11/2	3	3-27-79	A
6	2-4-68	11	11/2	2	2-20-79	A
5	3-2-68	11	11/2	1	8-22-78	EM
REV	DATE	BY	APPROVED	REV	DATE	BY

INCHES
 1
 2
 3
 4
 5
 6
 7
 8
 9
 10



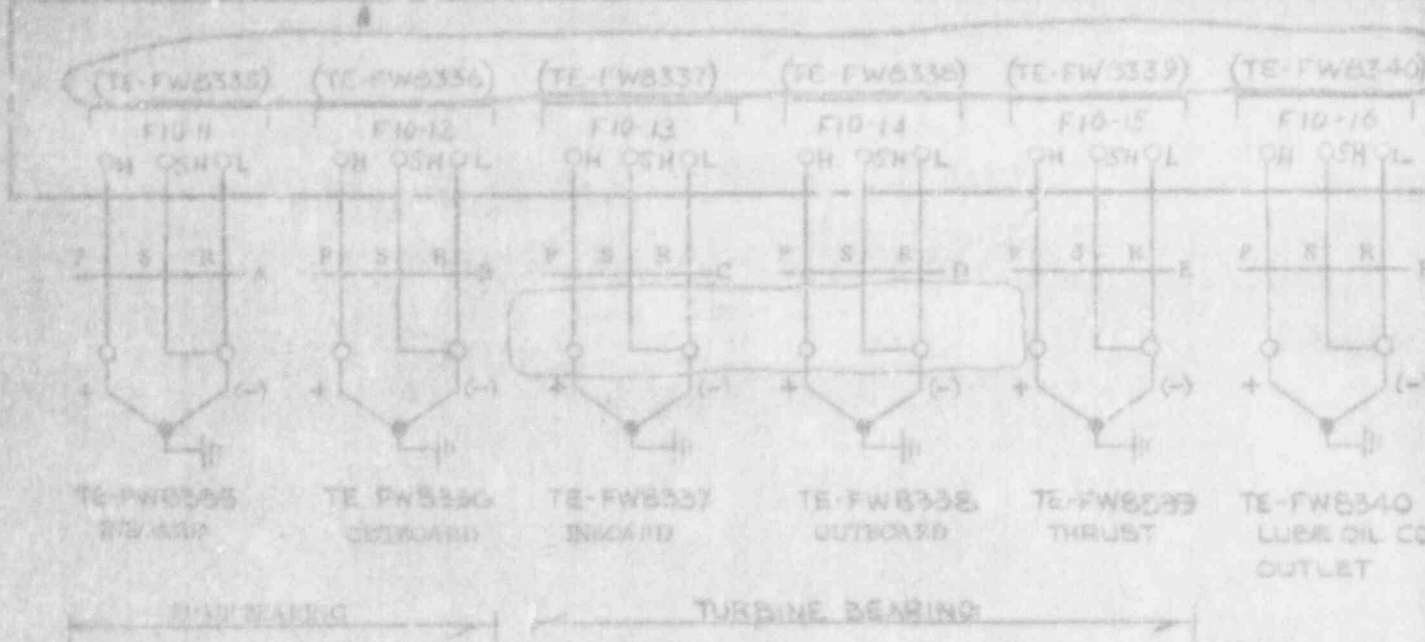
APPROVED

EBASCO SERVICES INCORPORATED
 DIV. I.E.C. OR REL.
 CH. MA. ZIEMSKI
 DATE JUN 26, 1977

APPROVED
R. Ziemski
 No. 22 / 20 MB

LOUISIANA POWER & LIGHT CO.
 WATERFORD S. E.S. UNIT No.3
 CONTROL WIRING DIAGRAM
 EMERGENCY TWTPT GOVERNOR V1

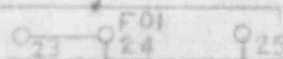
LOU-1564
 B-424
 SHEET 1543



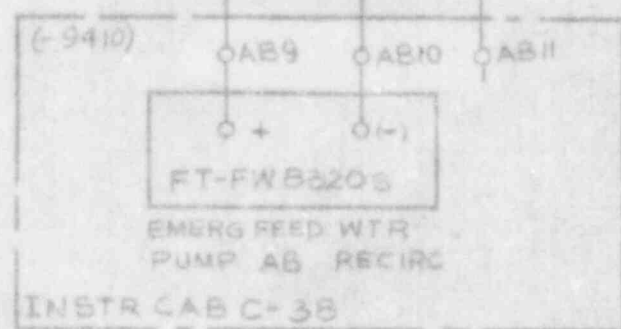
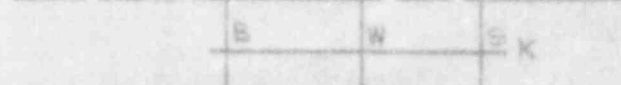
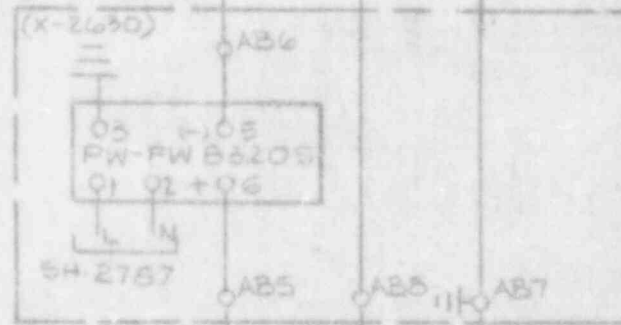
(3-103-2)

1				4	11-14-78	K
2				4	4-4-79	K
3				4	11-18-78	K
4				4	7-25-77	SM
REV	DATE	BY	APPROVED	REV	DATE	BY

(FT-FW B320)



B-RA3502
SH-2787



APPROVED

EBASCO SERVICES INCORPORATED
DIV. IFC. DR. REL.
CH. F. D. KAIRAB
DATE MAR 25, 1972

APPROVED
[Signature]

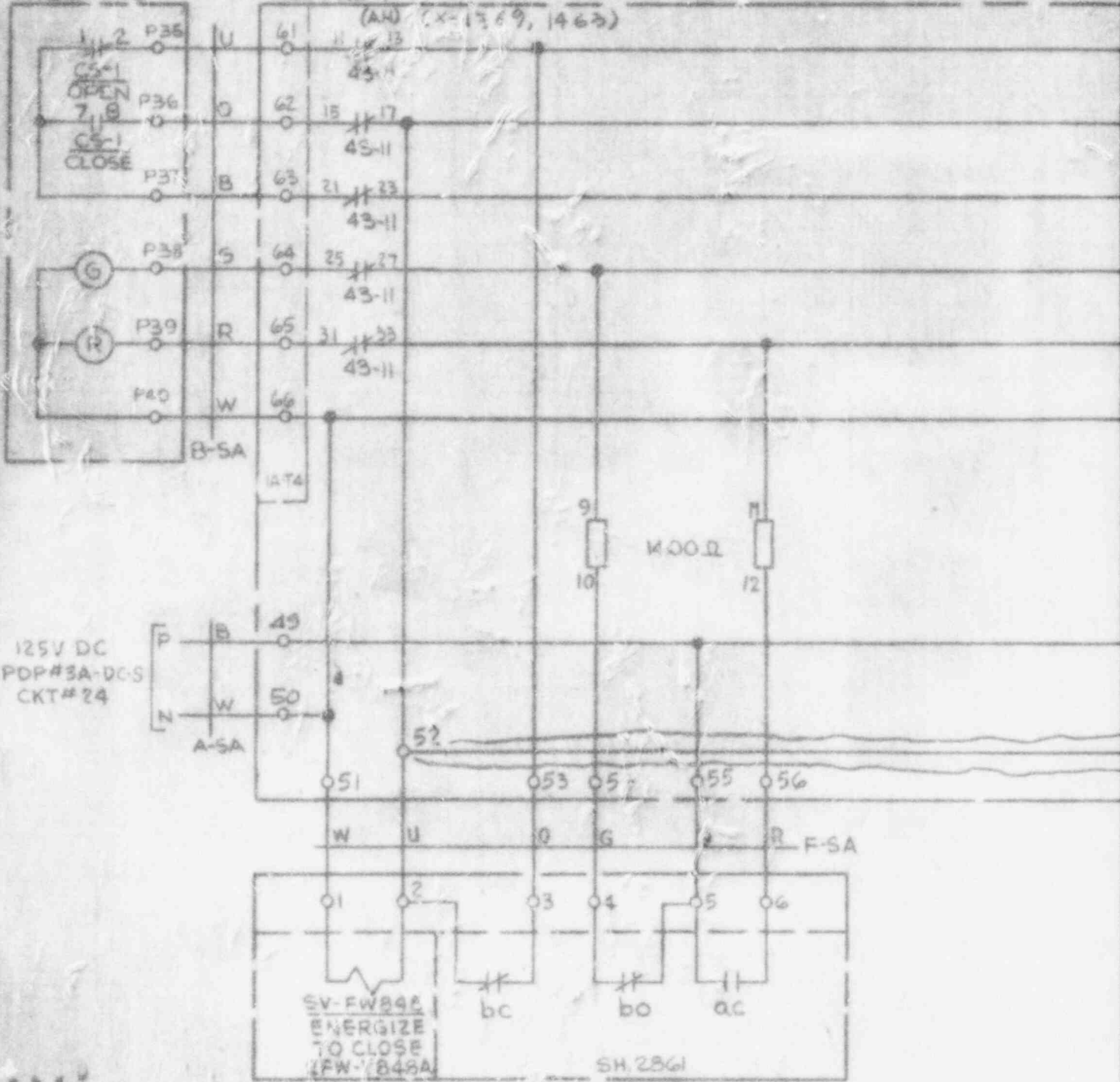
LOUISIANA POWER & LIGHT CO.
WATERFORD S. E. S. UNIT No. 3
CONTROL WIRING DIAGRAM
EMERG FWE AB & EMERG FWPT
COMPUTER INPUTS

LOU-1564
B-424
SHEET 44
4

(X-871)
RTGB-CPB

AUX PNL-1

(AN) (X-1369, 1463)

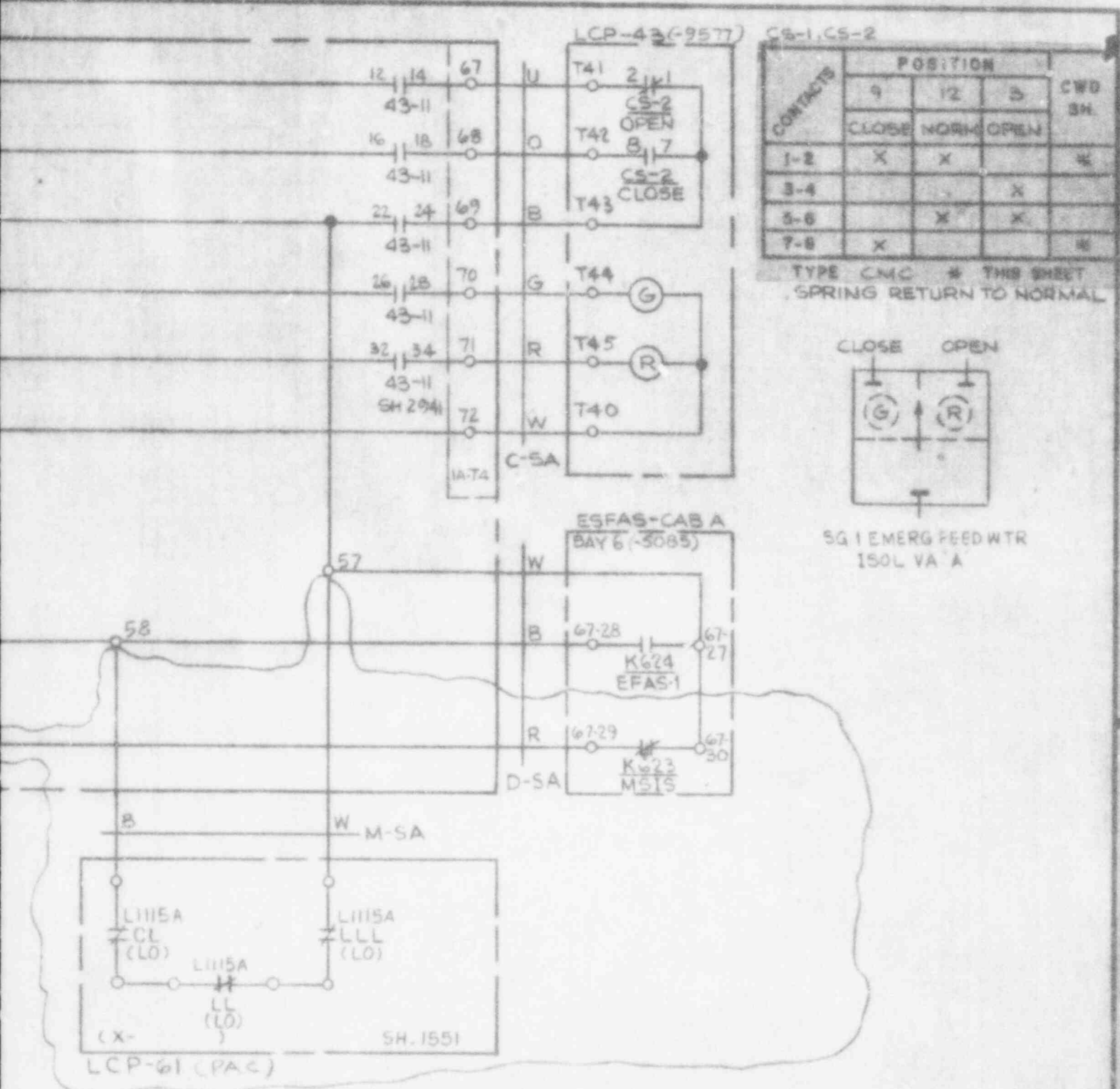


INCHES
CM

(C-153-2)

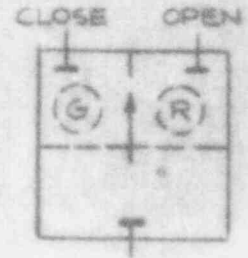
6				10-30-81	EP	
7				11-22-78	FV	
8				6-30-78	EM	
9				8-24-78	REL	
REV	DATE	BY	APPROVED	REV	DATE	BY

INCHES



CONTACTS	POSITION			CWD SH.
	9	12	5	
	CLOSE	NORM	OPEN	
1-2	X	X		W
3-4			X	
5-6		X	X	
7-8	X			W

TYPE CMC * THIS SHEET
 SPRING RETURN TO NORMAL

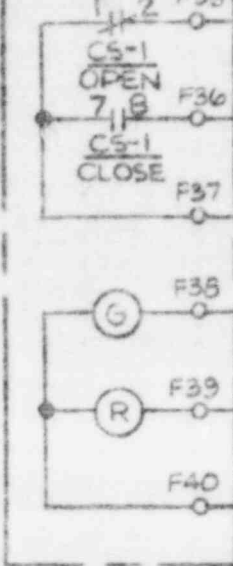


SG 1 EMERG FEED WTR
 ISOL VA A

DIV I & G DR VZ CH MAZIEMSKI DATE DEC 3, 1976	APPROVED <i>[Signature]</i> W. R. [Signature]	LOUISIANA POWER & LIGHT CO. WATERFORD S. E. S. UNIT No. 3 CONTROL WIRING DIAGRAM SG NO. 1 EMERG FW ISOLATION VA 2FW-YB48A	LOU-1564 B-424 SHEET 15A
---	---	---	--------------------------------

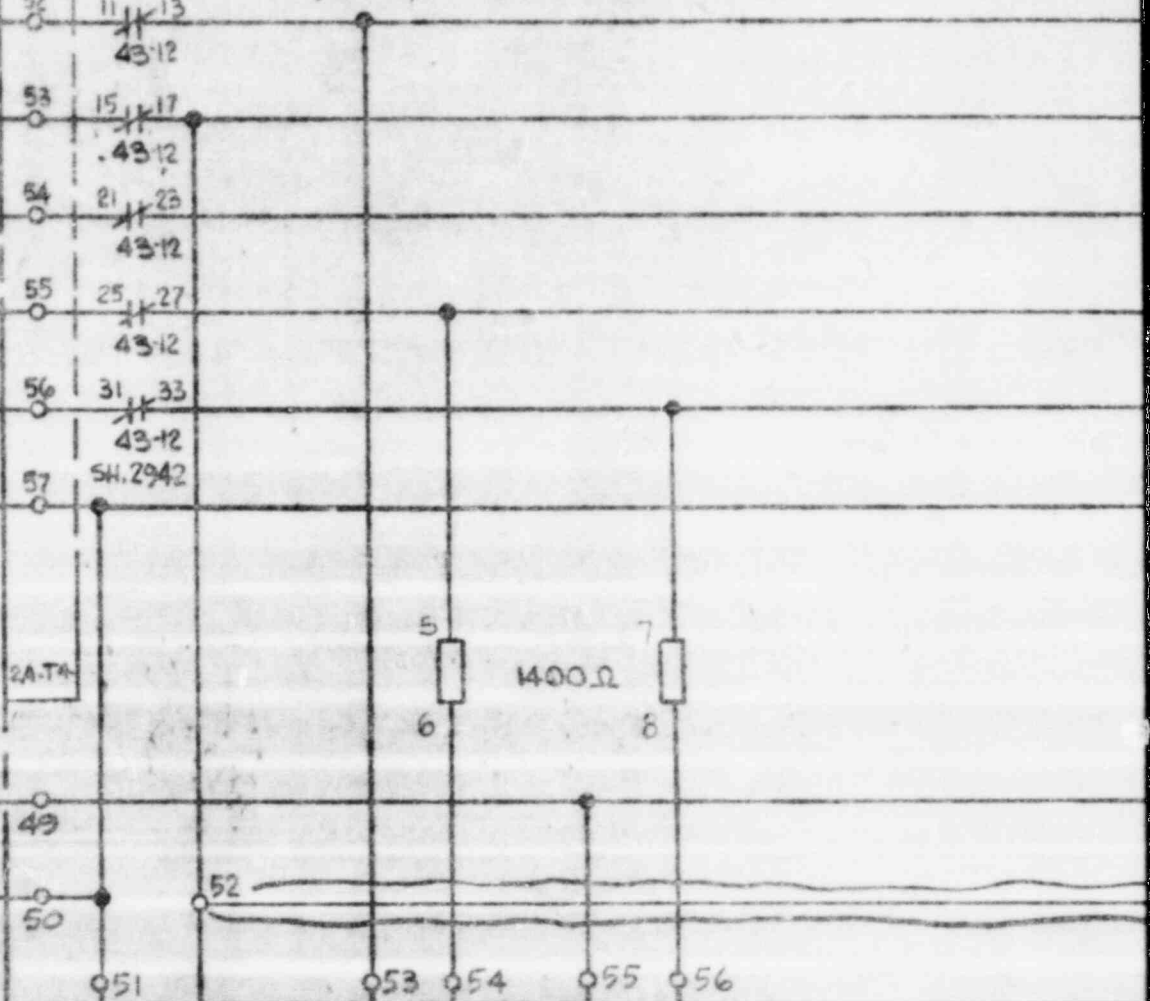
RTGB-CP8

(X-867)

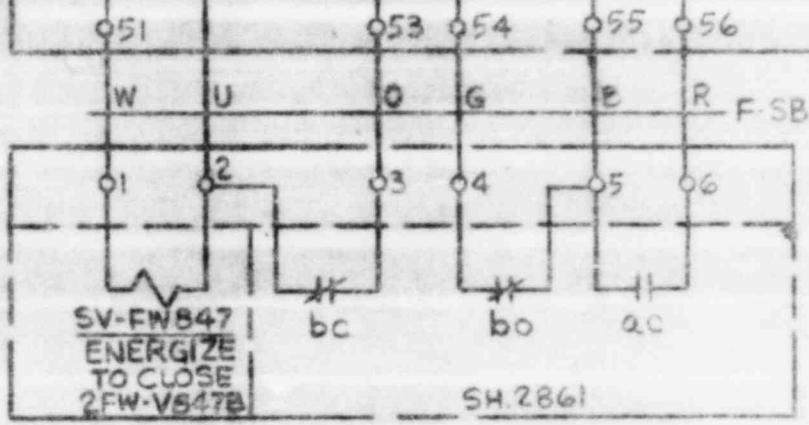
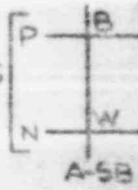


AUX PNL-2

(AH) (X-1471, 1472, 1473)



125V DC
PDP#38-DCS
CKT#24



INCHES
C.M.

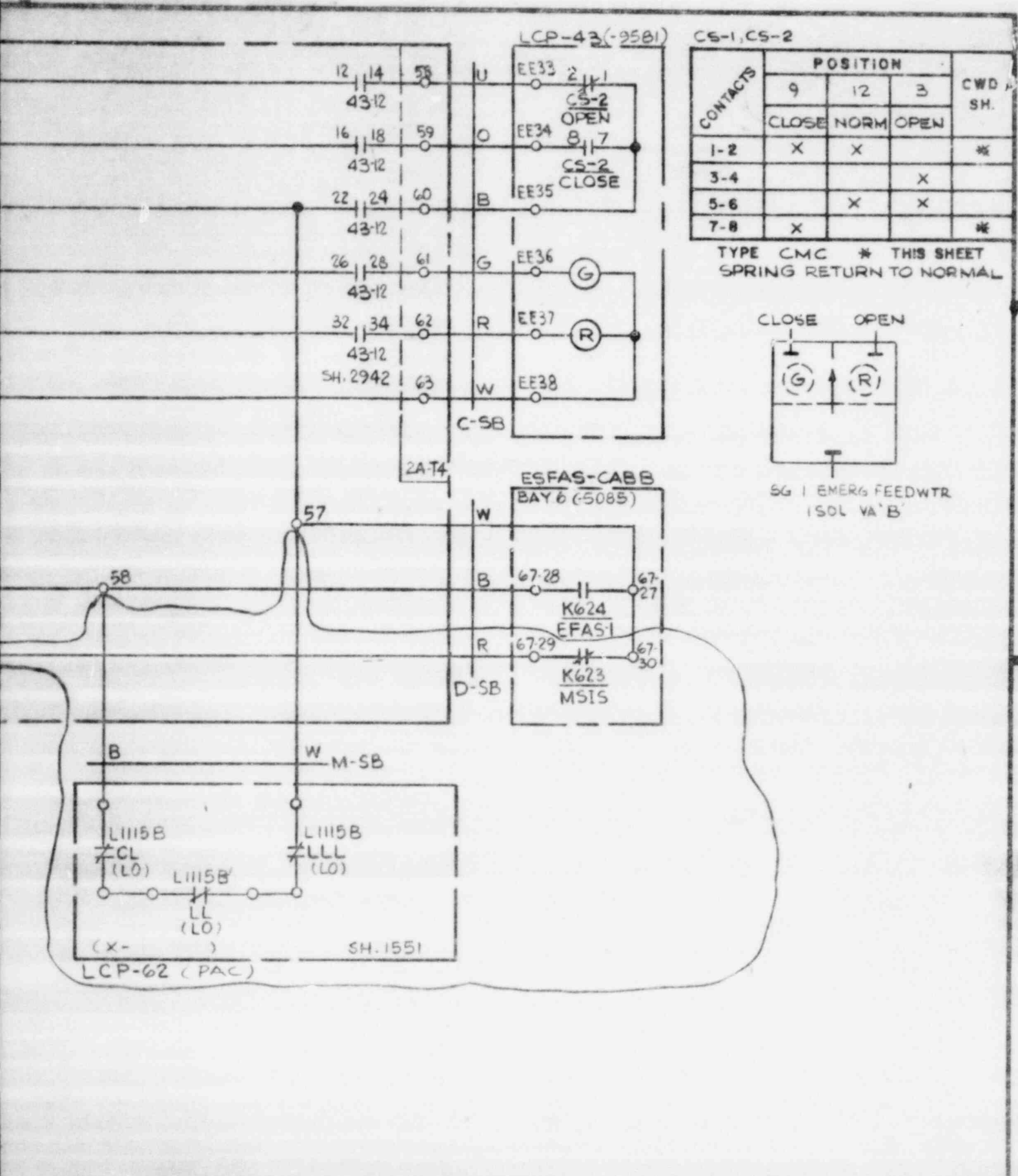
8				4		
7				10-30-81	EE	W
6				11-22-78	EM	R
5				42478	REL	J
REV	DATE	BY	APPROVED	REV	DATE	BY

(G-153-2)

INCHES

1

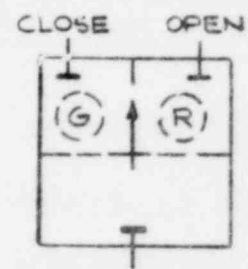
2



CS-1, CS-2

CONTACTS	POSITION			CWD SH.
	9	12	3	
1-2	X	X		*
3-4			X	
5-6		X	X	
7-8	X			*

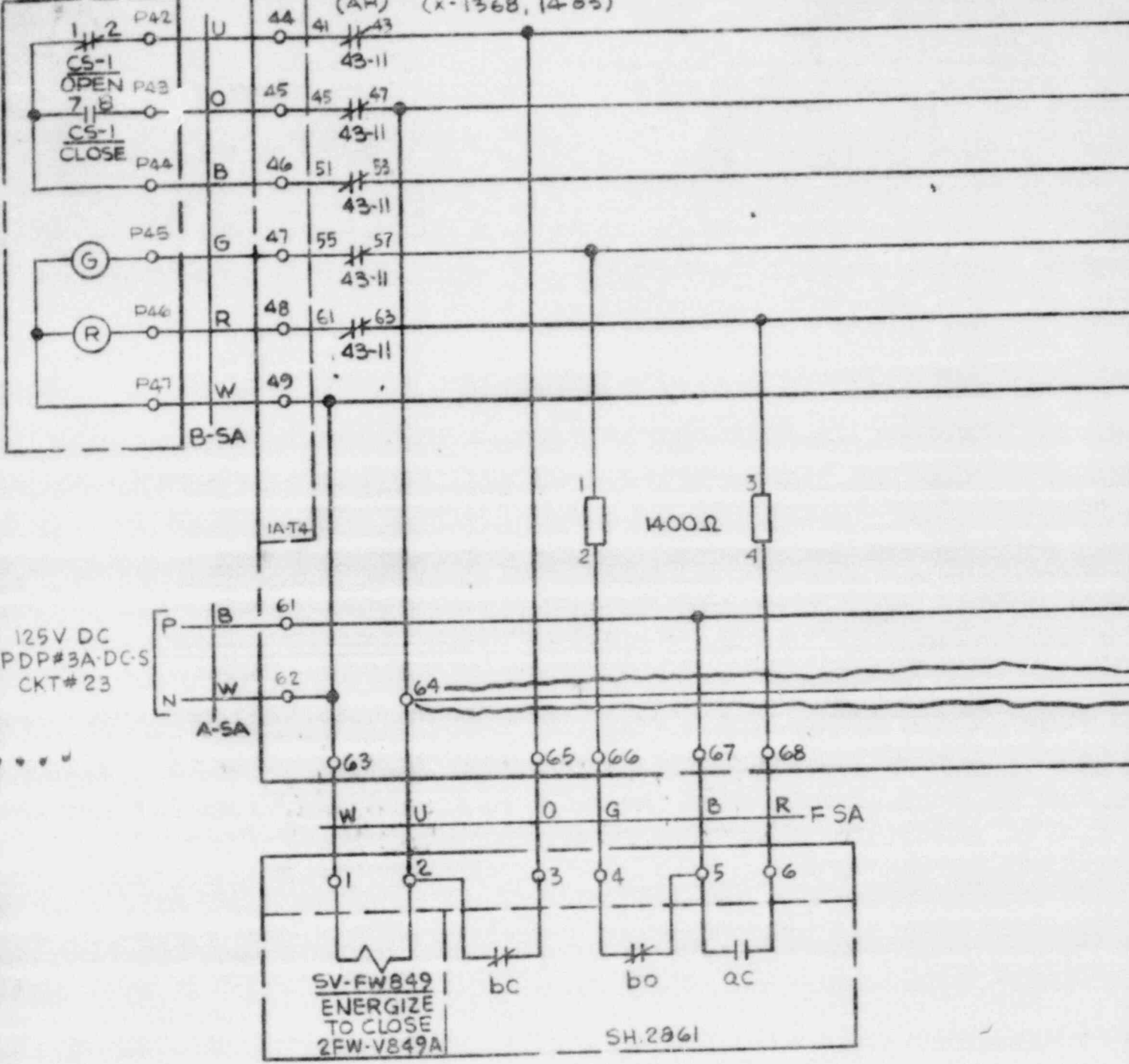
TYPE CMC * THIS SHEET
SPRING RETURN TO NORMAL



SG 1 EMERG FEEDWTR
ISOL VA'B

(X-871)
RTGB-CPB

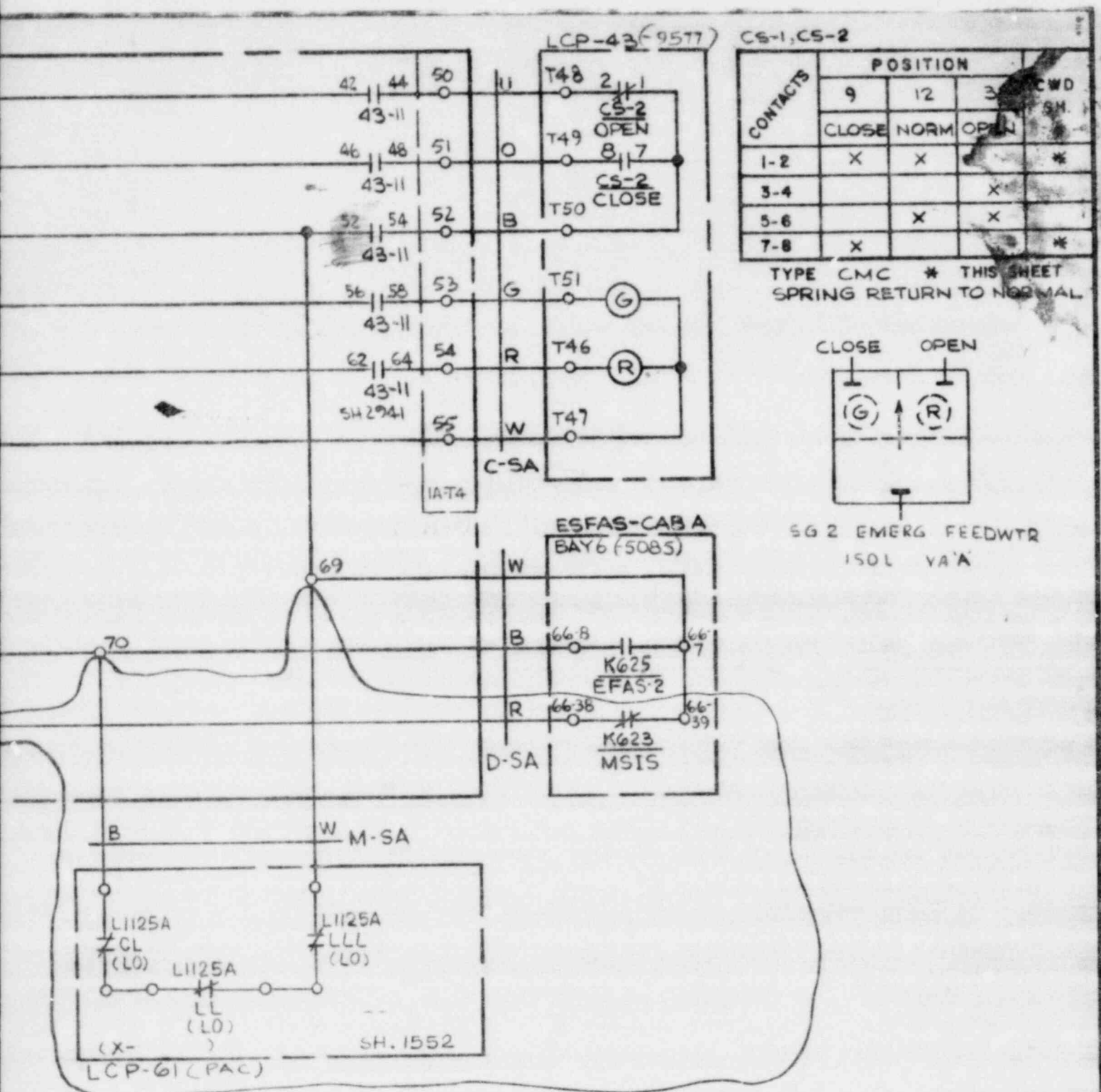
AUX PNL-1
(AH) (X-1368, 1463)



1 INCHES
C.M.

(G-153-2)

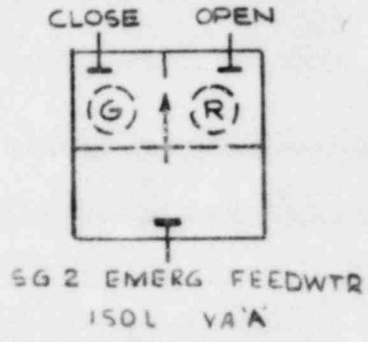
6					10-30-81	EE	W
7					1-22-78	CV	RL
8					6-30-78	EM	RL
8					4-24-78	REL	JT
REV	DATE	BY	APPROVED	REV	DATE	BY	A



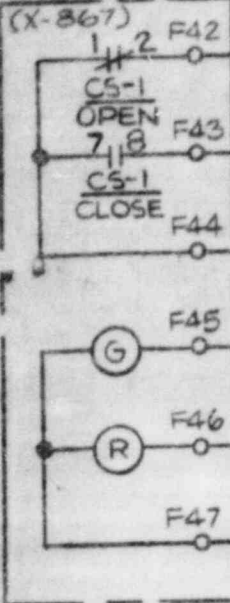
LCP-43 (9577) CS-1, CS-2

CONTACTS	POSITION			CWD SH.
	9	12	3	
	CLOSE	NORM	OPEN	
1-2	X	X		*
3-4			X	
5-6		X	X	
7-8	X			*

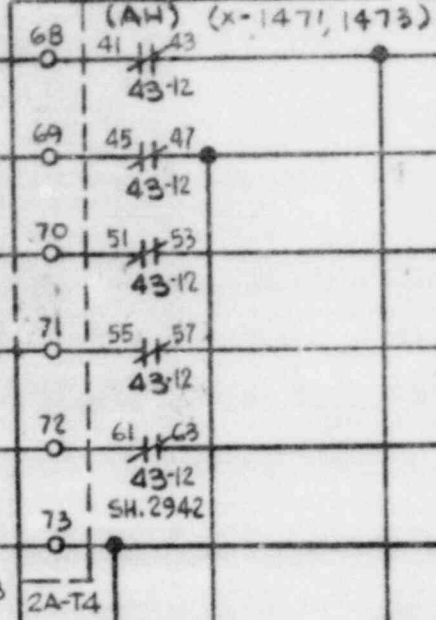
TYPE CMC * THIS SHEET SPRING RETURN TO NORMAL



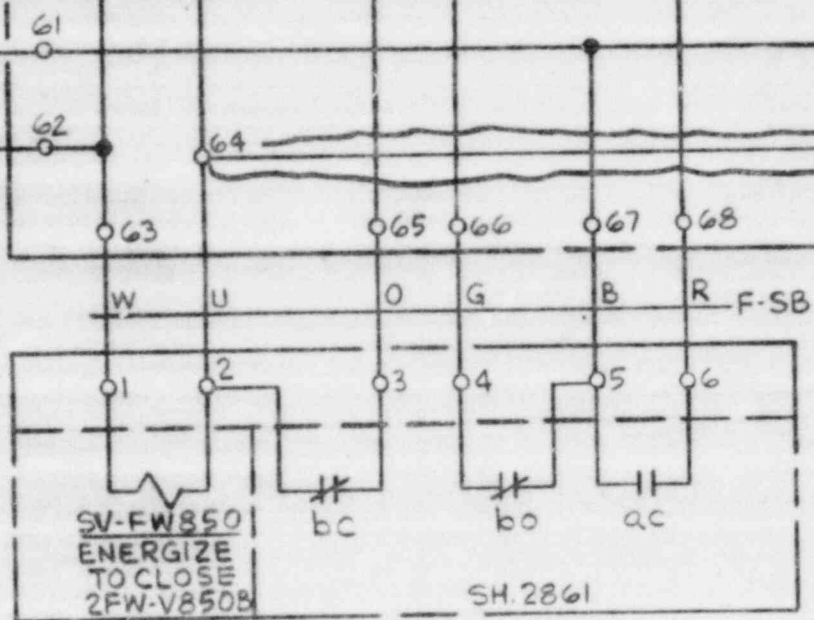
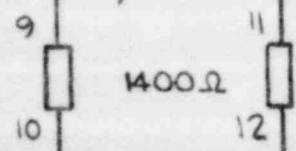
RTGB-CP8



AUX PNL-2



125V DC
 PDP#3B-DCS
 CKT# 23

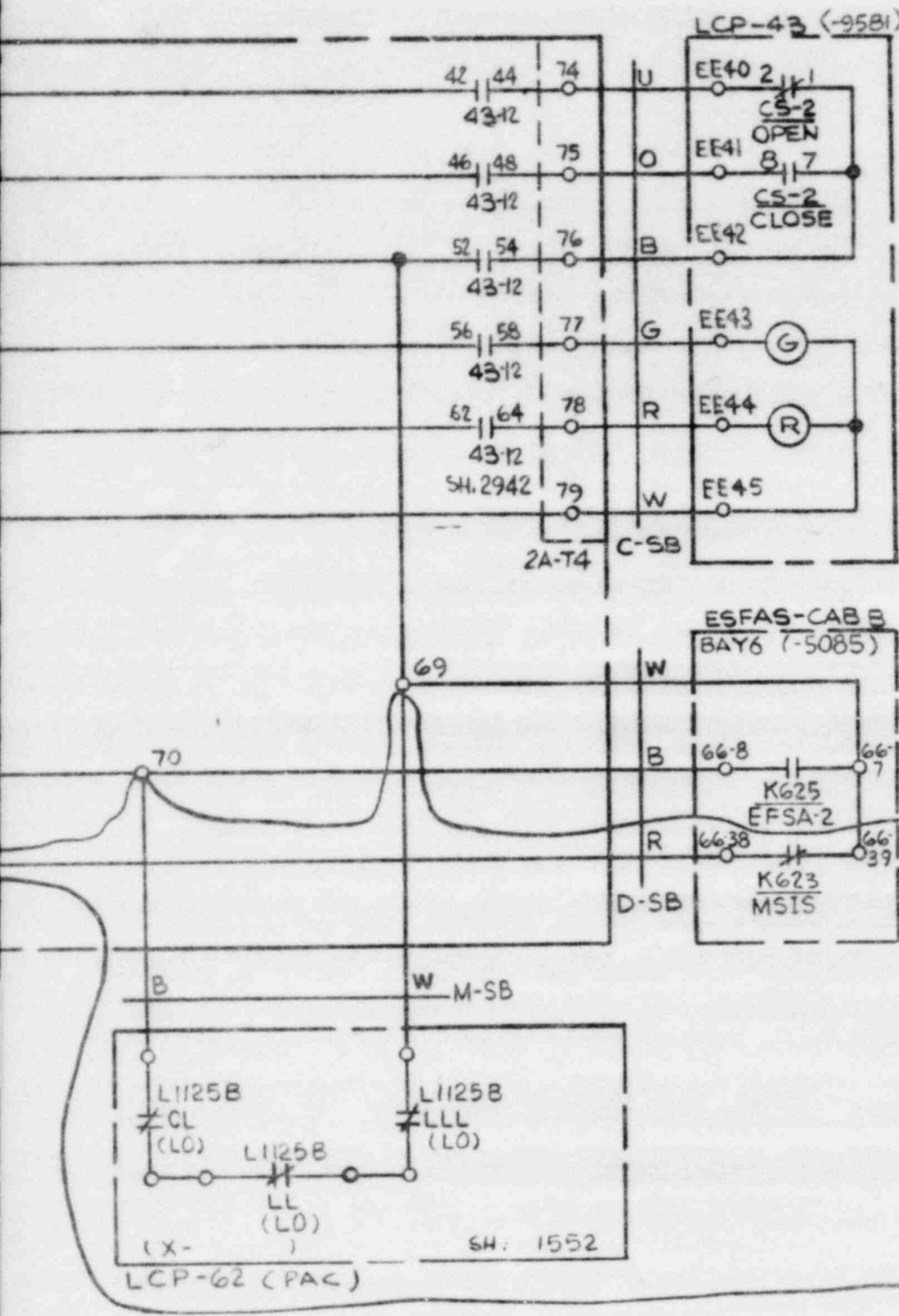


INCHES
 CM.

(G-153-2)

8				10-30-81	EM
7				11-22-78	EM
6				8-11-78	EM
5				4-24-78	REL
REV	DATE	BY	APPROVED	REV	DATE BY

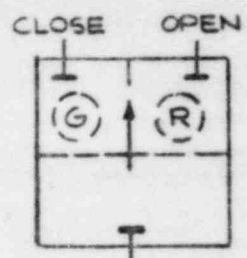
INCHES
 CM.



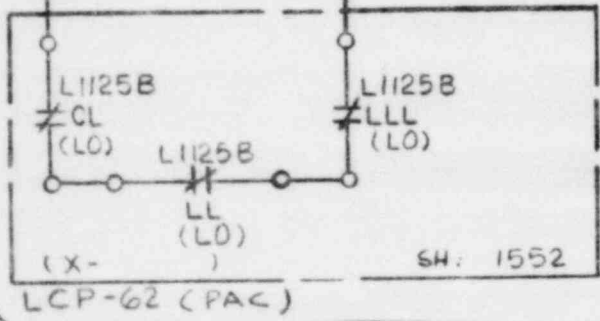
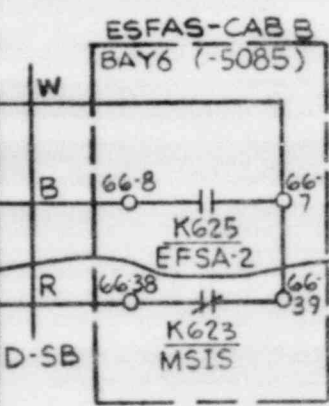
CS-1, CS-2

CONTACTS	POSITION			CWD SH.
	9	12	3	
1-2	X	X		*
3-4			X	
5-6		X	X	
7-8	X			*

TYPE CMC * THIS SHEET SPRING RETURN TO NORMAL



SG2 EMERG FEEDWTR 150L VA 'B'



APPROVED

EBASCO SERVICES INCORPORATED
 DIV. I & C DR. VZ
 CH. MAZIEMSKI
 DATE DEC 3, 1976

LOUISIANA POWER & LIGHT CO.
 WATERFORD S. E. S. UNIT No. 3
 CONTROL WIRING DIAGRAM
 SG NO. 2 EMERG. FW ISOLATION VA
 2FW-V850B

LOU-1564
 B-424
 SHEET 15495

RT3B-CPB



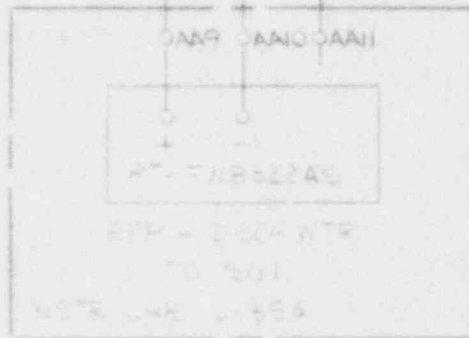
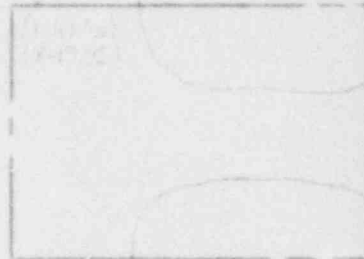
CP-42



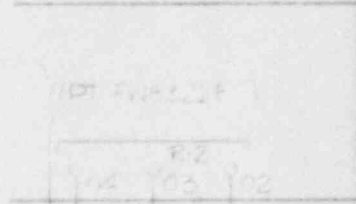
RT4B-CPB



CP-45



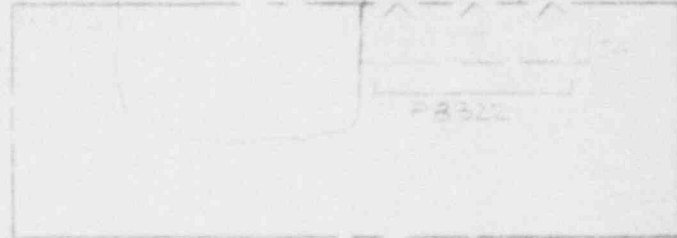
MSX CAB RAOTOB



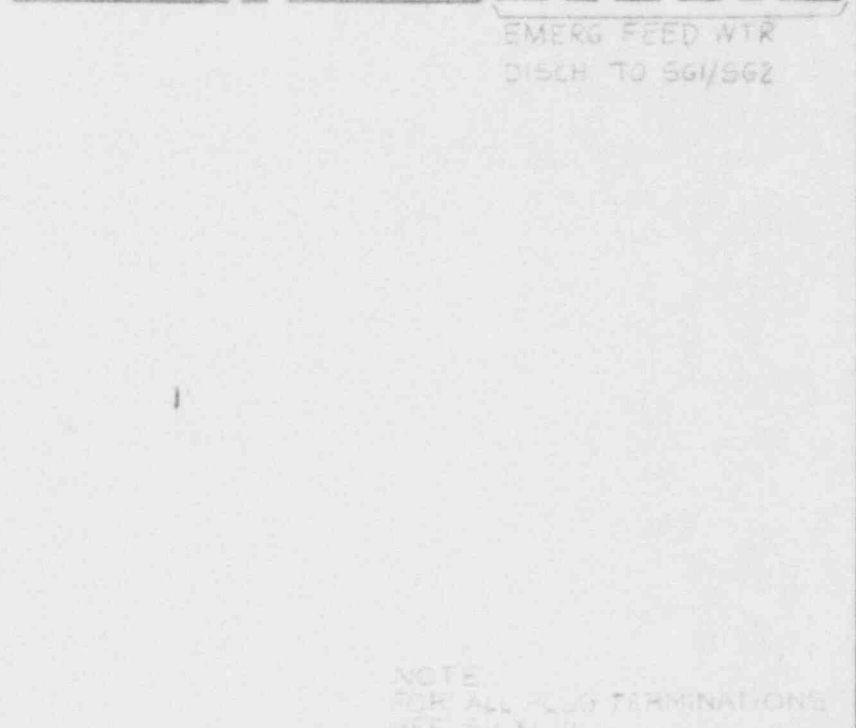
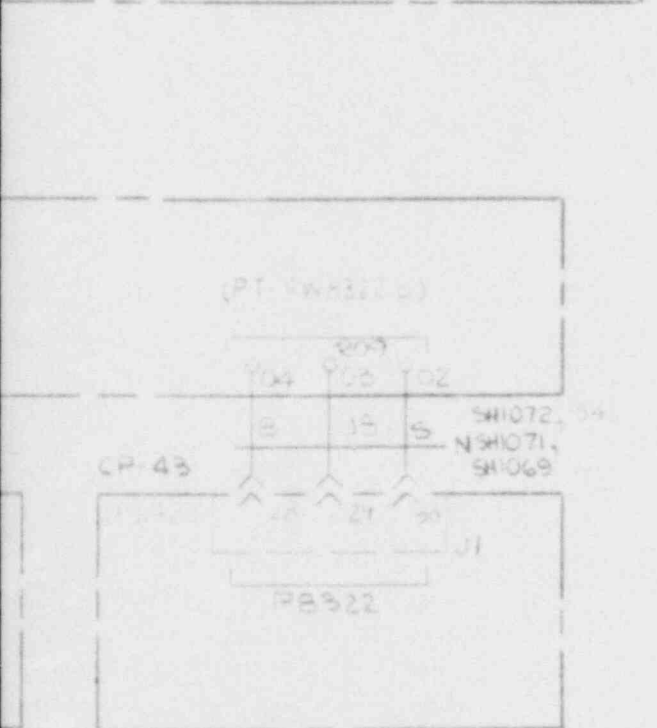
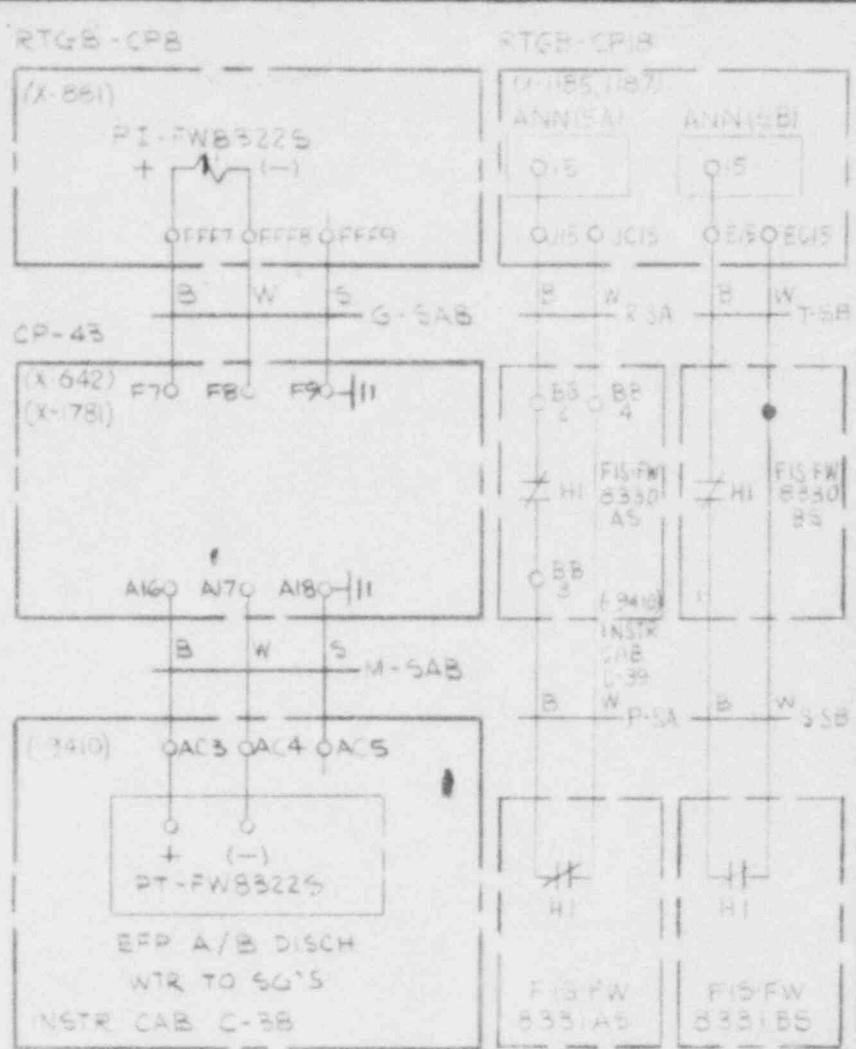
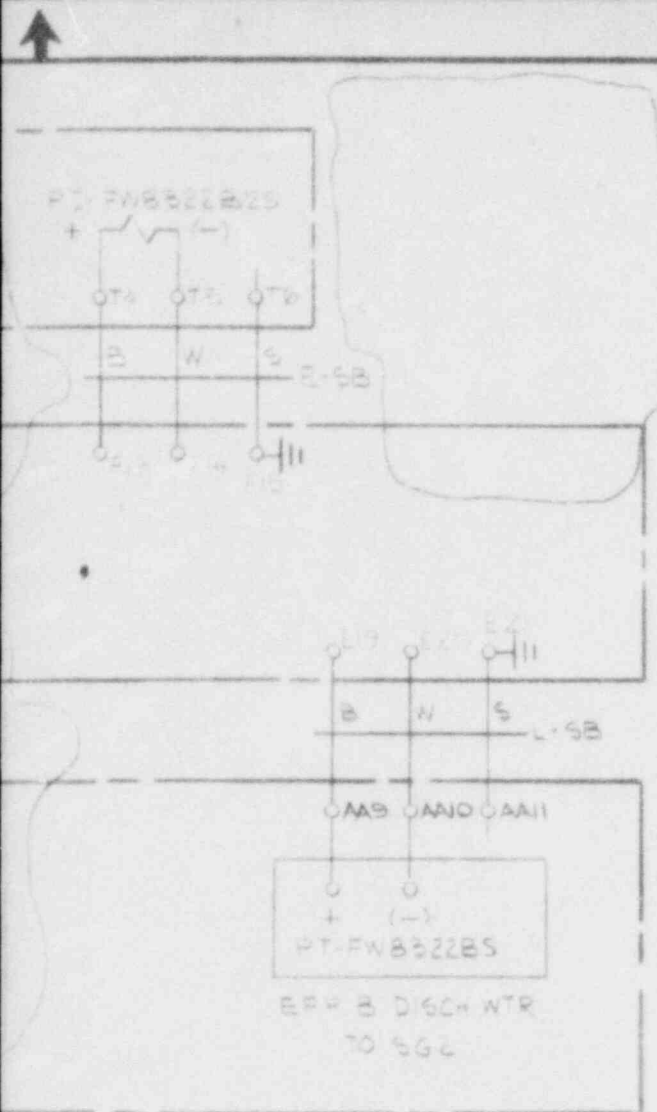
CP-42



CP-45



REV	DATE	BY	APPROVED	REV	DATE	BY
8				4		
7				3		
6				2		
5				1		



NOTE:
 FOR ALL PUG TERMINATIONS
 SEE SH-X-110

EBASCO SERVICES INCORPORATED
 DIV I & G DR JIK
 IN K BROZD
 DATE MAY 16, 1978

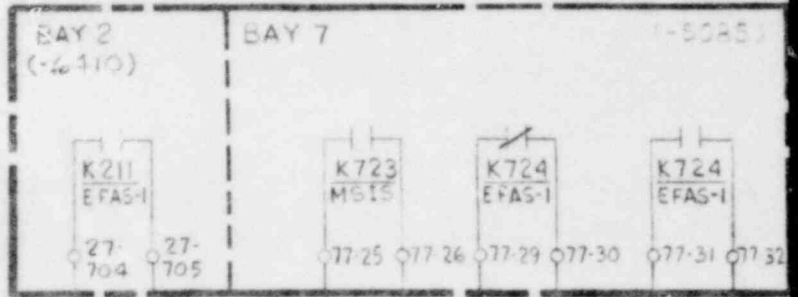
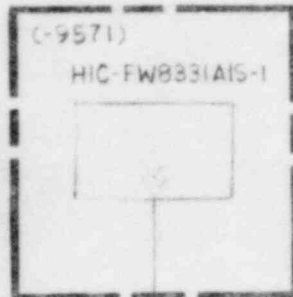
LOUISIANA POWER & LIGHT CO
 WATERFORD S. E. S. UNIT No. 3
 CONTROL WIRING DIAGRAM
 EMERGENCY FEEDWATER INSTRUMENTATION

LOU-1564
 B-424
 SHEET 1550S
 4

RTGB - CP8

LCP-43

ESFAS - CAB. A

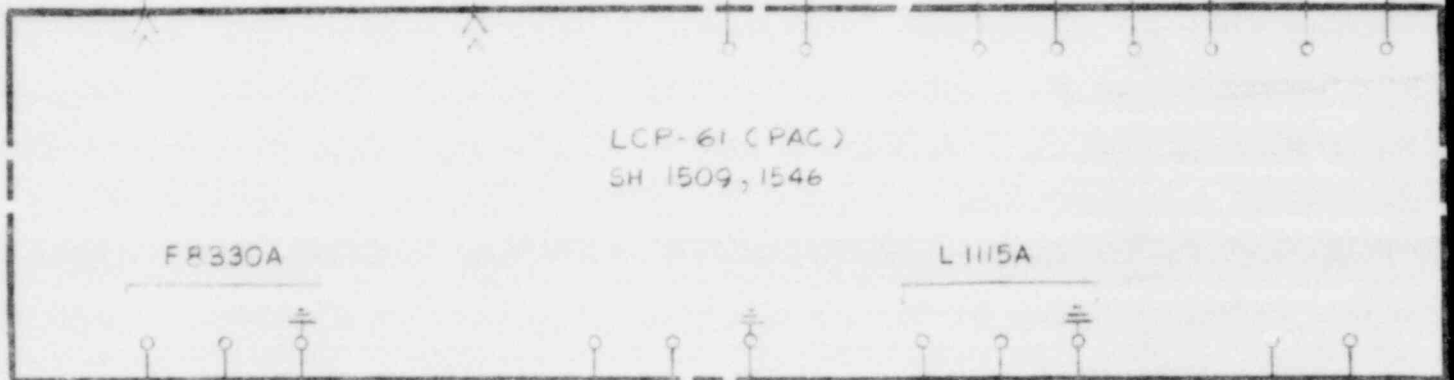


A-SA
SEE NOTE

B-SA
SEE NOTE

B W C-SA

B W R G O U D-



FR330A

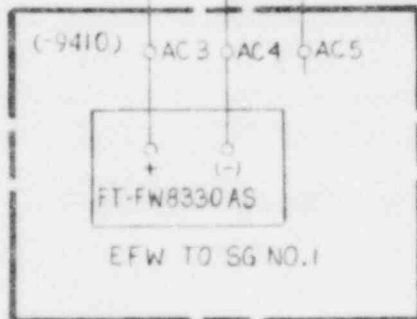
L1115A

B W S
E-SA

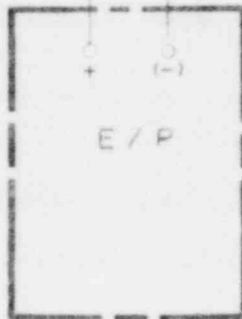
B W S
F-SA

B W S
G-SA

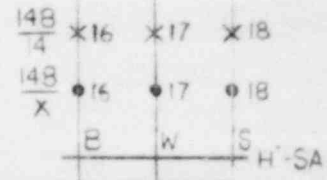
B W
J-SA



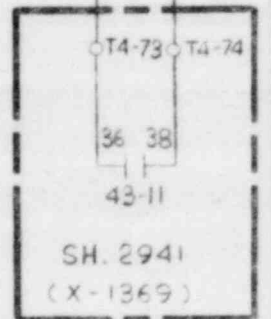
INSTR CAB C-39



CONTR VA
2FW-V852A

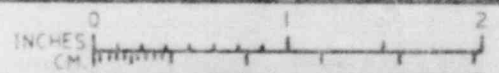


LT-FW 1115 AS
SG #1 LEVEL
(WIDE RANGE)

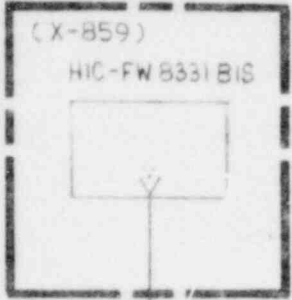


AUX. PNL IA

8				4			
7				3			
6				2			
5				Δ	12.1.81	TM	LWF
REV	DATE	BY	APPROVED	REV	DATE	BY	AP

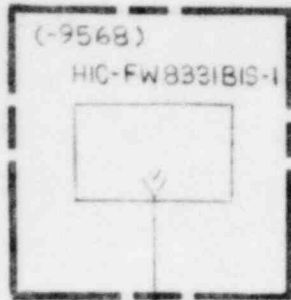


RTGB - CP8



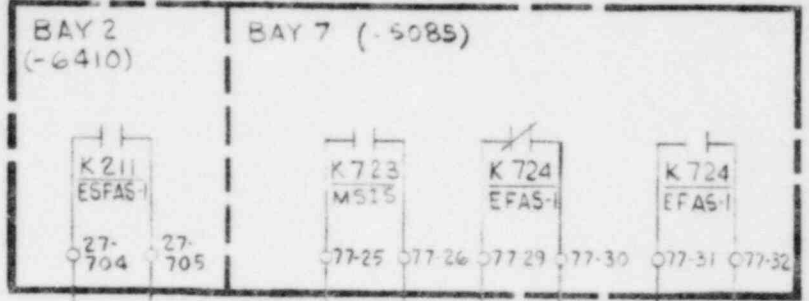
L-SB
SEE NOTE

LCP-43



M-SB
SEE NOTE

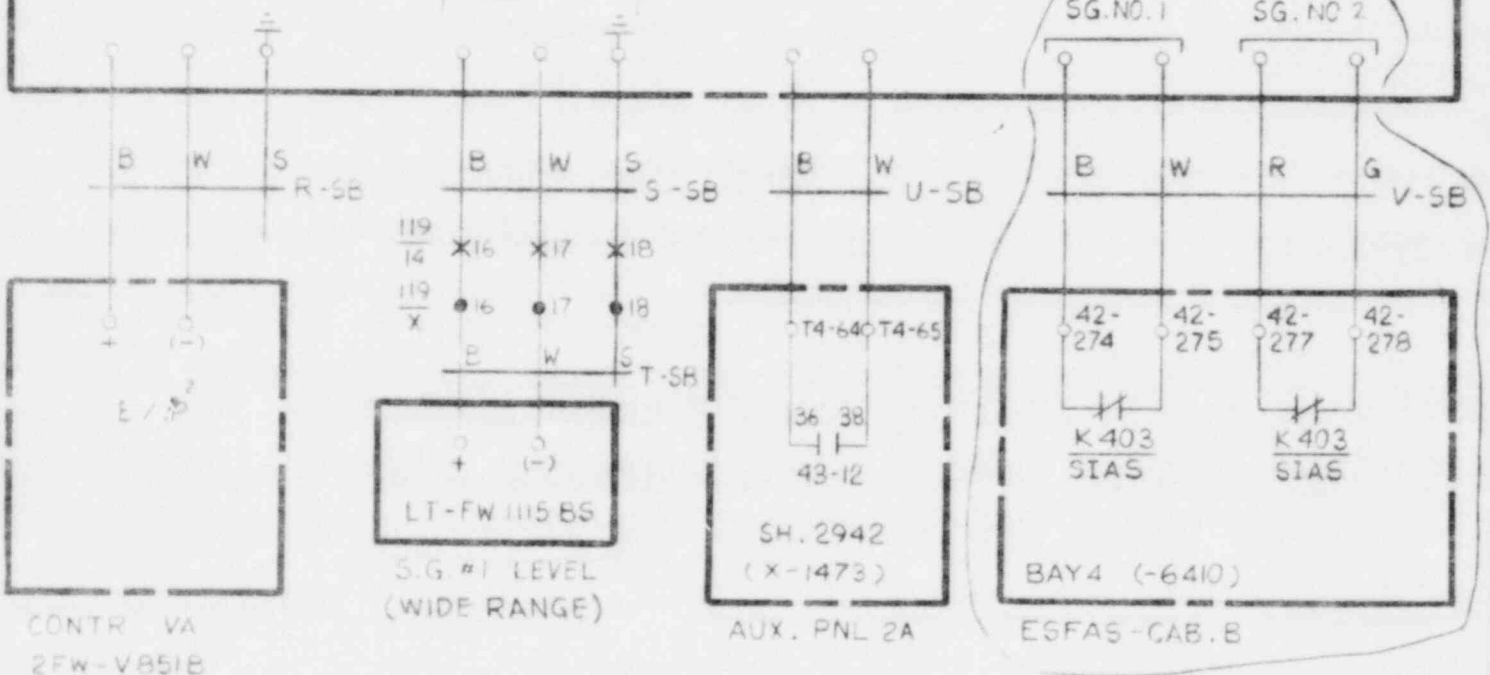
ESFAS - CAB. B



B W N-SB B W R G O U P-SB

LCP-62 (PAC)
SH. 1509, 1547

L 1115 B



NOTE :
32 COND. SHIELD FOR INDIVIDUAL WIRE
TERMINATIONS SEE SH. XLIII

EBASCO SERVICES INCORPORATED

DIV I & C DR T.M.
CH S. LIN
DATE OCT 30, 1981

APPROVED
B. Friedrichs
W. J. H.

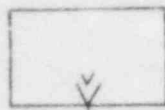
LOUISIANA POWER & LIGHT CO.
WATERFORD S. E. S. UNIT No. 3
CONTROL WIRING DIAGRAM
SG. NO. 1 EMERG. FW CONTROL VA'S
2FW-852A & 2FW-851B

LOU-1564
B-424
SHEET 1551S

RTGB-CP8

(X-859)

HIC-FW8331 B25

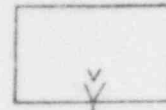


A-SB
SEE NOTE

LCP-43

(-9568)

HIC-FW8331 B25-1



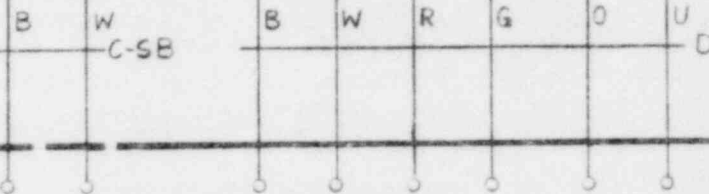
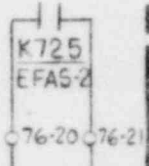
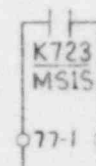
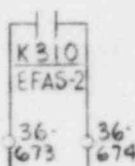
B-SB
SEE NOTE

ESFAS - CAB. B

BAY 3
(-6410)

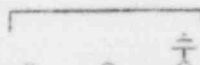
BAY 7

(-5085)



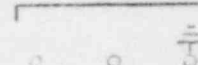
LCP-62 (PAC)
SH 1525, 1549

F 8330 B



E-SB

L 1125 B

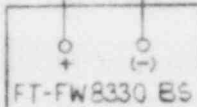


F-SB

G-SB

J-SB

(-9409) AB3 AB4 AB5



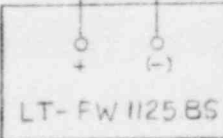
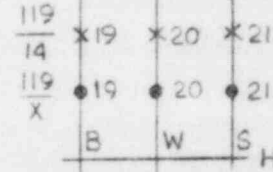
FT-FW8330 BS
EFW TO SG NO.2

INSTR CAB. C-35B

+ (-)

E/P

CONTR VA
2FW-V854B



SG. #2 LEVEL
(WIDE RANGE)

T4-80 T4-81



SH. 2942
(X-1473)
AUX. PNL 2A

8				4			
7				3			
6				2			
5				1	12.1.81	TM	WPL
REV	DATE	BY	APPROVED	REV	DATE	BY	AP

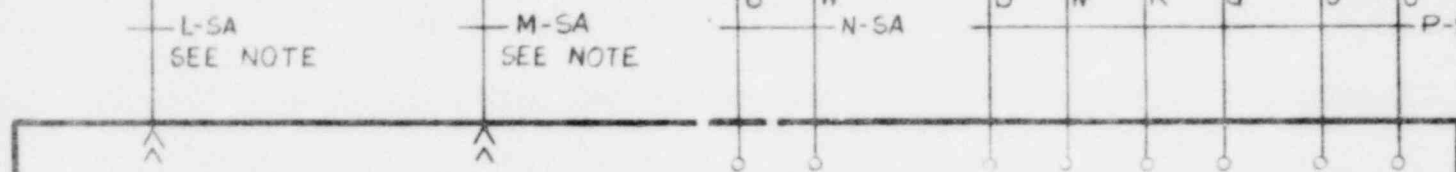
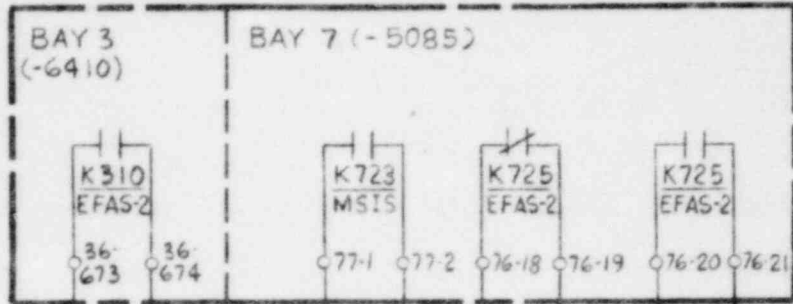
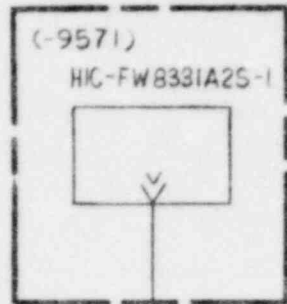
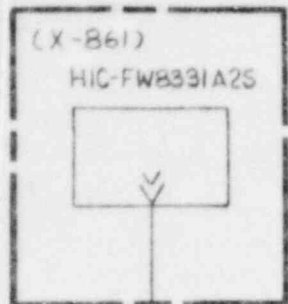
INCHES 0 1 2

INCHES 0 1 2 3 4 5

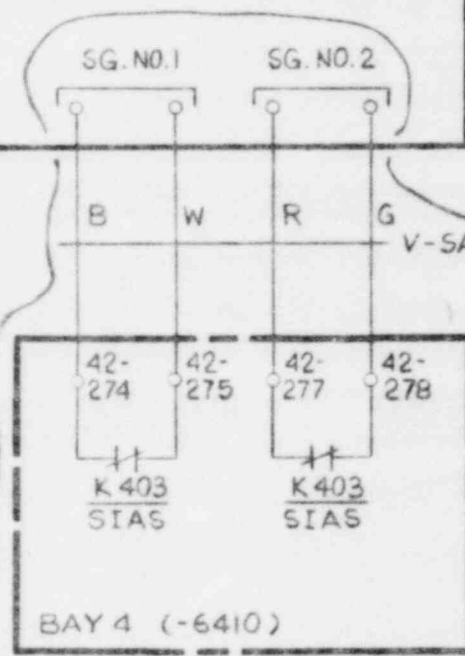
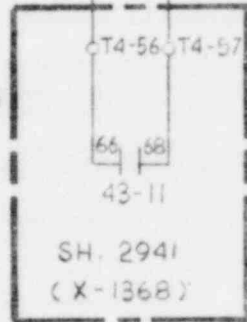
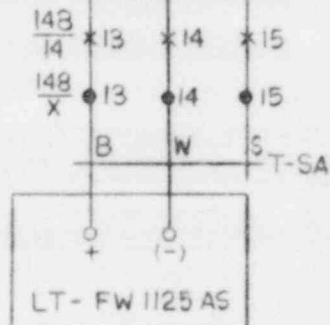
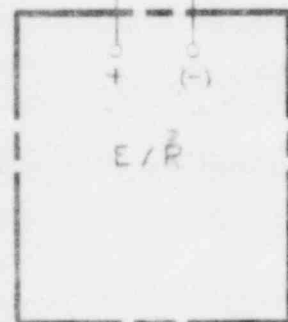
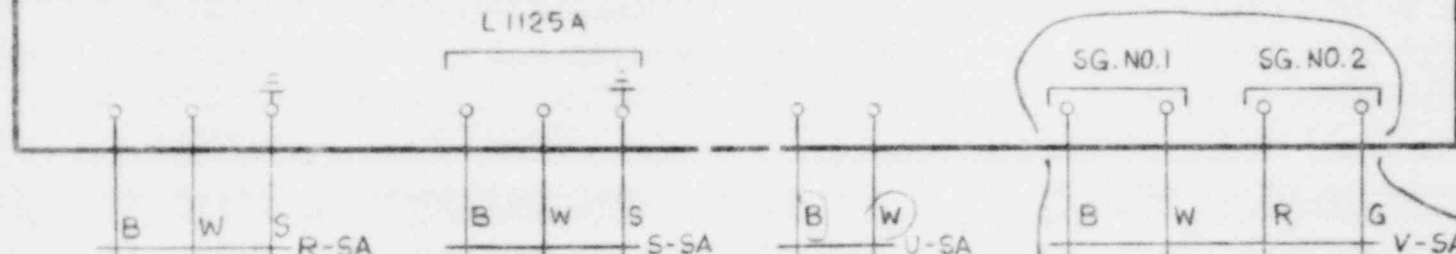
RTGB-CP8

LCP-43

ESFAS-CAB. A



LCP-61 (PAC)
SH 1525,1548



CONTR VA
2FW-V853A

SG #2 LEVEL
(WIDE RANGE)

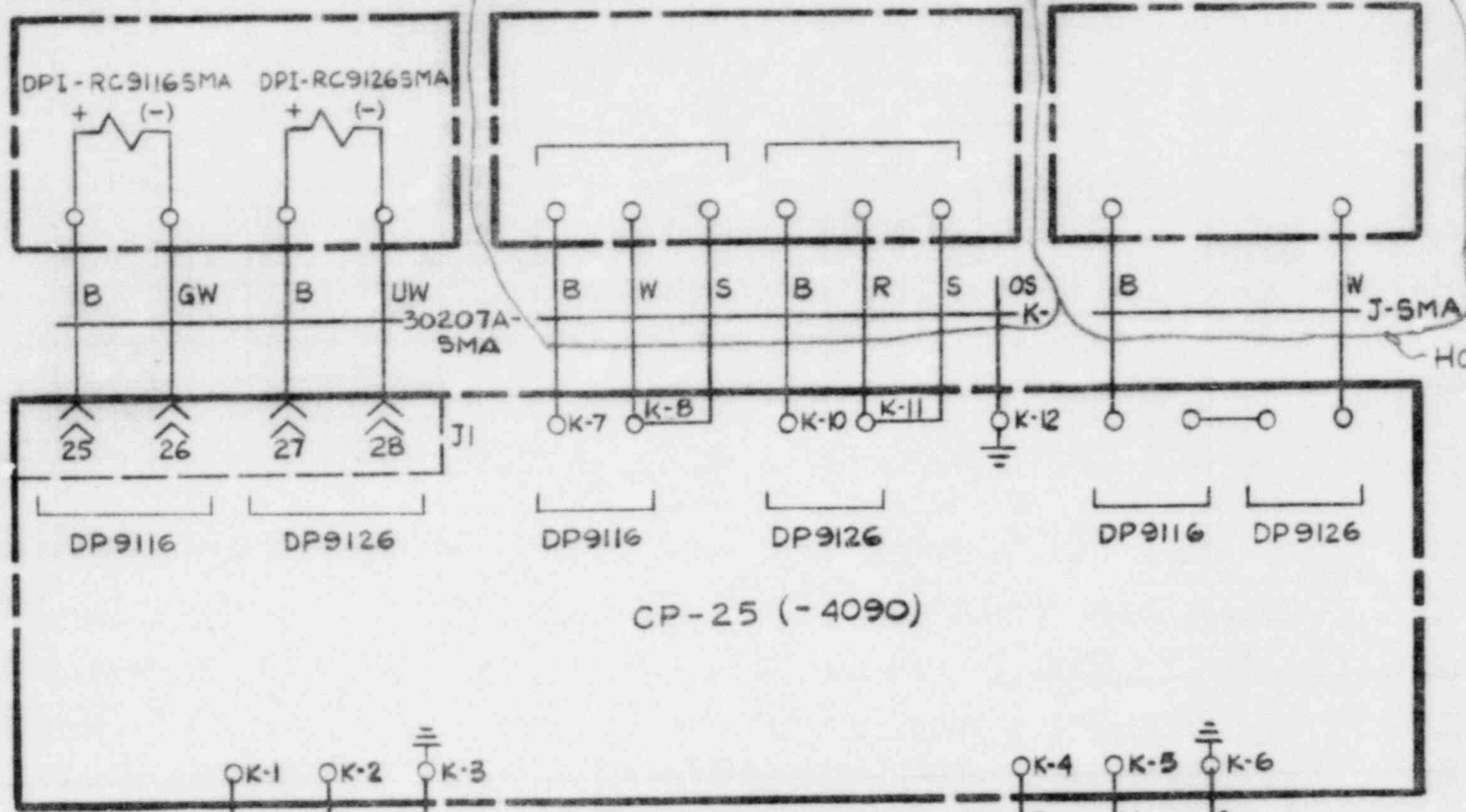
AUX. PNL 1A
(X-1368)

BAY 4 (-6410)
ESFAS-CAB. A

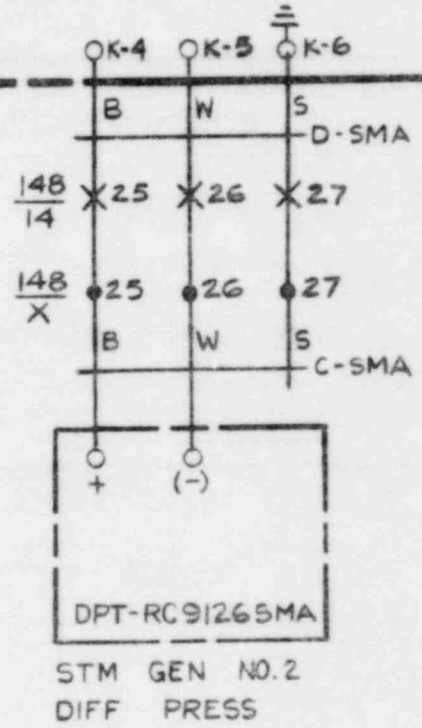
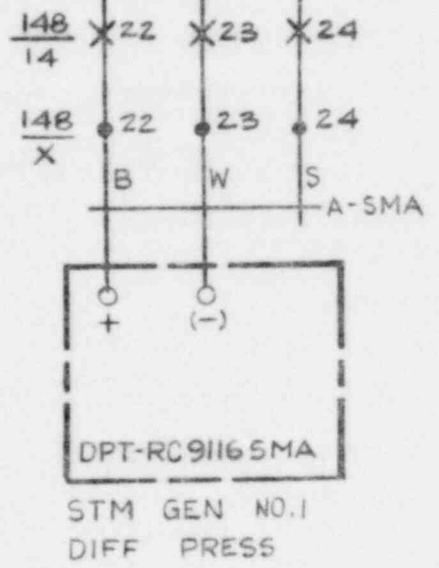
NOTE :
32 COND. SHIELD FOR INDIVIDUAL WIRE
TERMINATIONS SEE SH. XLIII

RTGB - CP 7 NOT RELEASED MUX CAB

CP-10



INCHES
CM



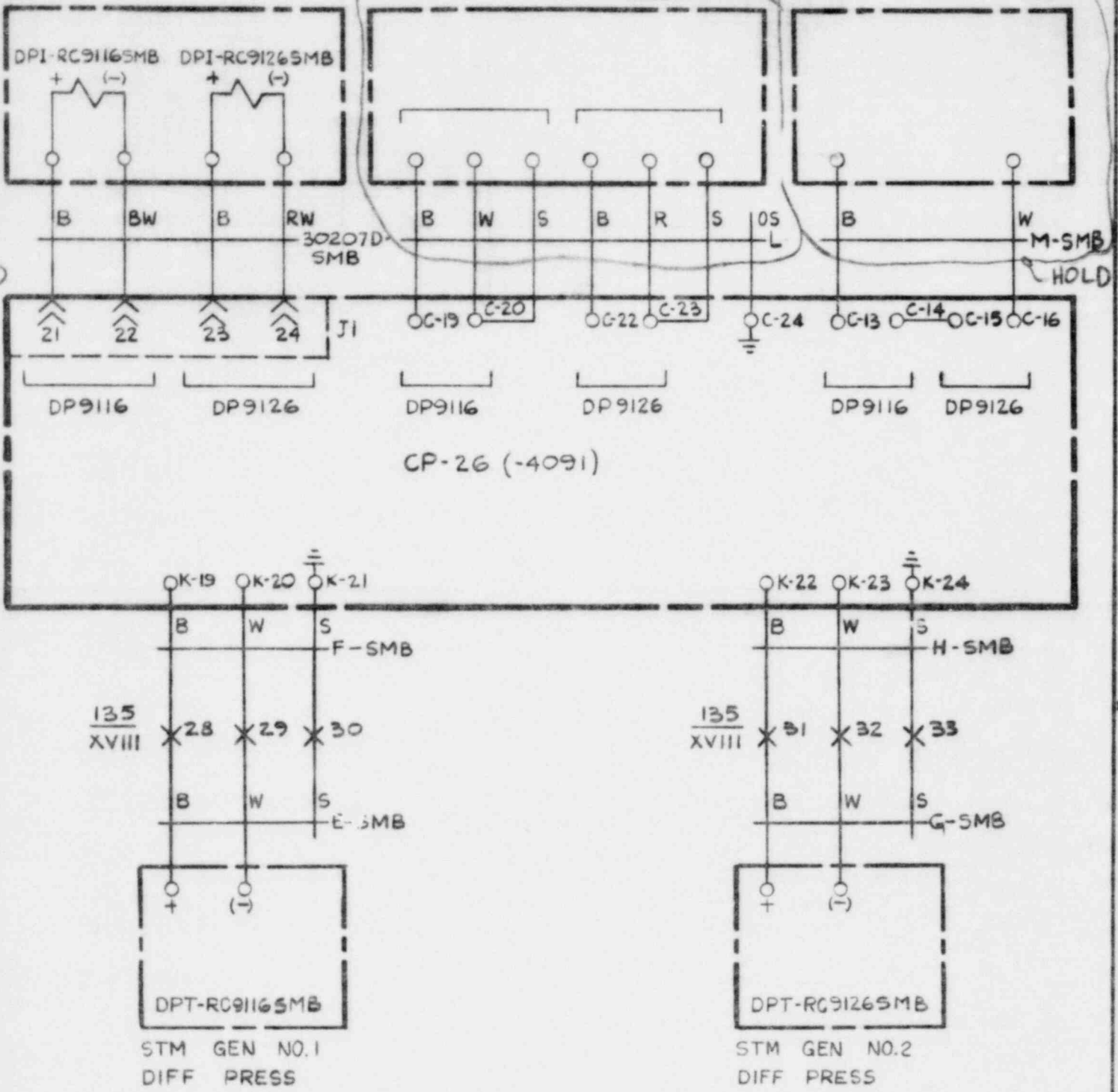
8				4			
7				3			
6				2			
5				1			
REV	DATE	BY	APPROVED	REV	DATE	BY	APPR

INCHES
CM

RTGB-CP7

MUX CAB

CP-10



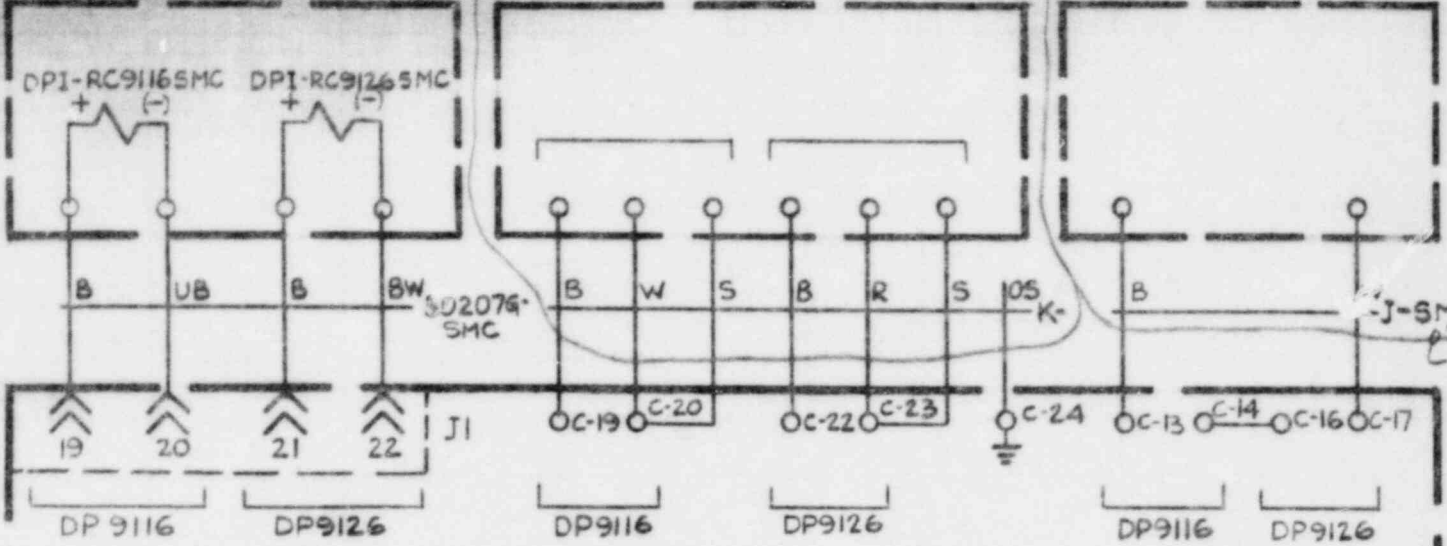
NOTE:
 FOR ALL PLUG TERMINATIONS
 SEE SH. XLIII.

EBASCO SERVICES INCORPORATED		LOUISIANA POWER & LIGHT CO.		LOU-1564	
DIV I&C DR DL		WATERFORD S. E. S. UNIT No.3		B-424	
CH S. LIN		CONTROL WIRING DIAGRAM		SHEET 29515	
APPROVED		REACTOR COOLANT FLOW MONITOR SH. 1			
DATE					

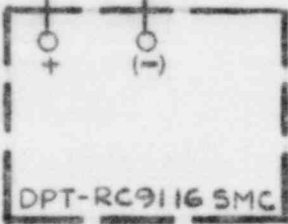
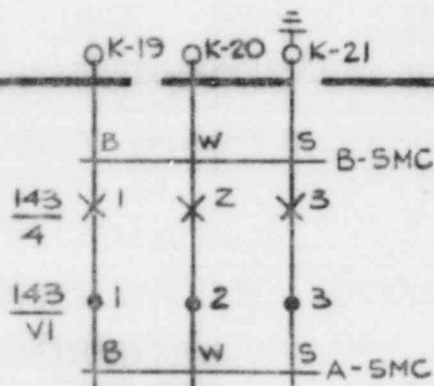
KTGB-CP7

MUX. CAB

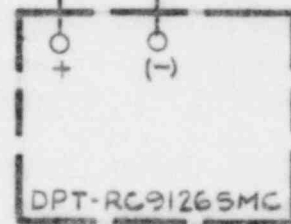
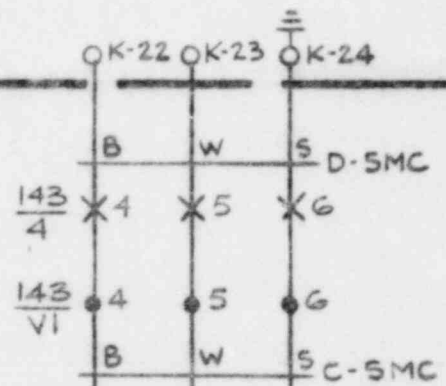
CP-10



CP-27 (-4092)



STM GEN NO.1
DIFF PRESS



STM GEN NO.2
DIFF PRESS

INCHES
CM

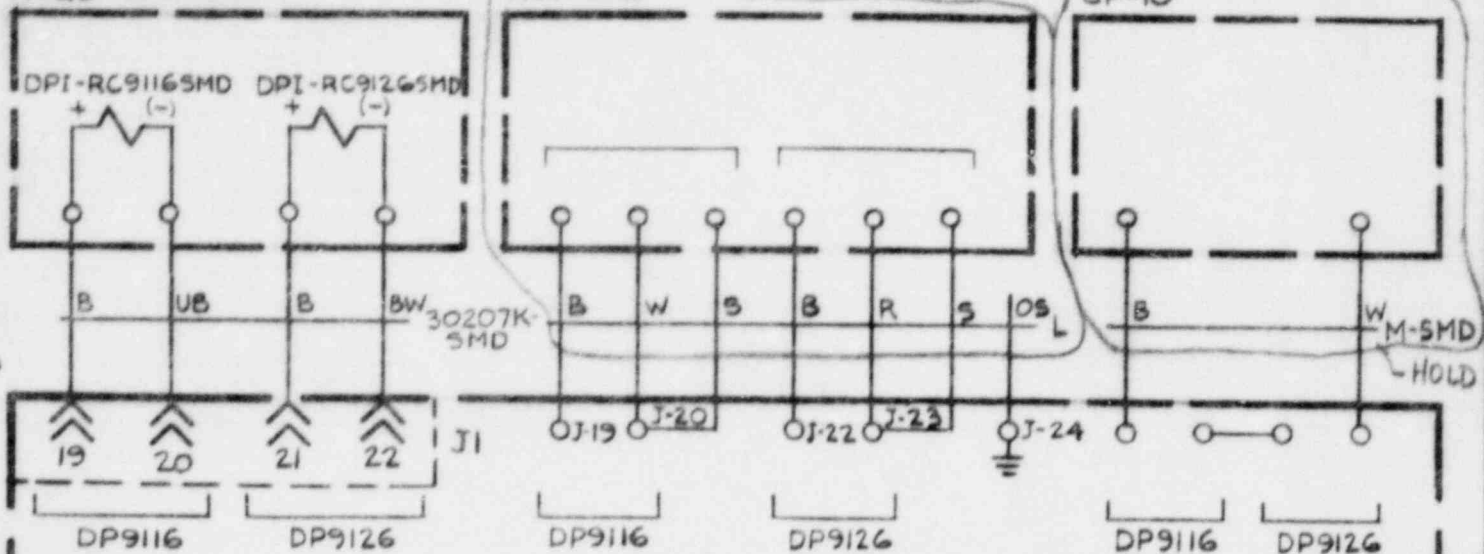
8				4		
7				3		
6				2		
5				1		
REV	DATE	BY	APPROVED	REV	DATE	BY

INCHES
CM

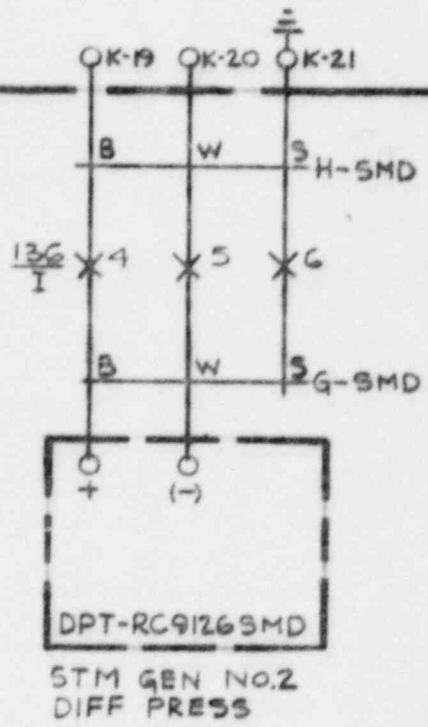
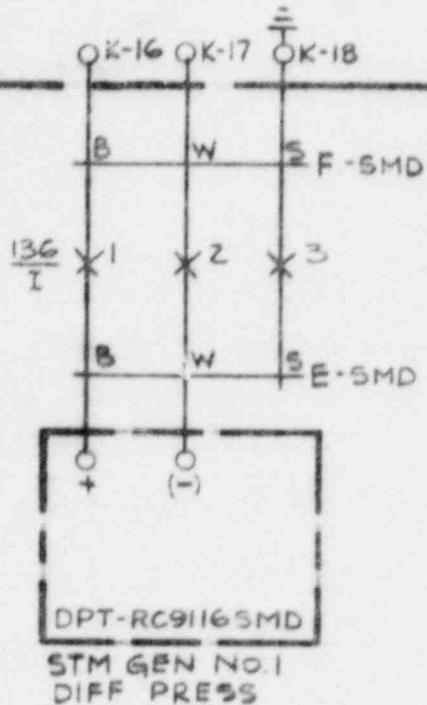
RTGB-CP7

MUX. CAB

CP-10



CP-28 (-4093)



NOTE:
 FOR ALL PLUG TERMINATIONS
 SEE SH. XLIII.

EBASCO SERVICES INCORPORATED DIV I&G DR DL CH S. LIN GATE _____		APPROVED _____	LOUISIANA POWER & LIGHT CO. WATERFORD S. E. S. UNIT No.3 CONTROL WIRING DIAGRAM REACTOR COOLANT FLOW MONITOR SH2	LOU-1564 B-424 SHEET 29523
--	--	----------------	---	----------------------------------