

FROM: PHILADELPHIA ELECTRIC COMPANY Vincent P. McDevitt		DATE OF DOCUMENT: 11-3-64	DATE RECEIVED 11-5-64	NO.: 5151	
TO: Doan		LTR. <input checked="" type="checkbox"/>	MEMO:	REPORT: OTHER:	
CLASSIF.: U	POST OFFICE REG. NO.	ORIG. <input checked="" type="checkbox"/>	CC:	OTHER:	
DESCRIPTION: (Must Be Unclassified) Ltr. forwarding: AMENDMENT NO. 8 TO LIC AFPI, notarized 11-3-64, which submits: (22 cys)		ACTION NECESSARY <input checked="" type="checkbox"/>	CONCURRENCE <input type="checkbox"/>	DATE ANSWERED:	
ENCLOSURES: Amended Pages for the FHSR and the FHSR Supplement. (60 cys) 4 cys of the schematics referred to in footnote 4 on page 8-9 of the amended pages.		NO ACTION NECESSARY <input type="checkbox"/>	COMMENT <input type="checkbox"/>	BY:	
REMARKS: Distribution: 1 - formal file 1 - suppl file, w/schematics 1 - AEC MR, w/schematics 2 - Compliance 1 - OGC 1 - H. Steele		FILE CODE: DOCKET 50-171	REFERRED TO Levine: w/13 sets (1 w/schematics) -- FOR ACTION	DATE 11-5	RECEIVED BY <i>[Signature]</i>
			Dr. Doan (w/info cy)		
			NOTE TO T&P:		
			1 set given Goller (w/schematics) earlier today. Holding extra cys of amended pages.		
			<b>ACKNOWLEDGED</b>	Hazel 5151	

U. S. ATOMIC ENERGY COMMISSION

MAIL CONTROL FORM FORM AEC-3265 (8-60)

A-367

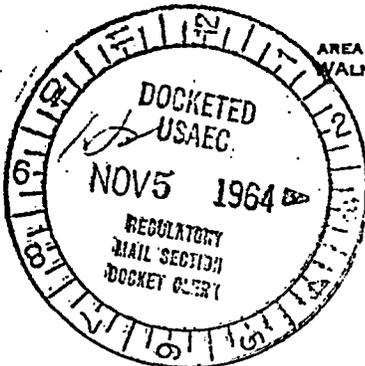
# PHILADELPHIA ELECTRIC COMPANY

1000 CHESTNUT STREET

PHILADELPHIA, PA. 19105

VINCENT P. McDEVITT  
VICE-PRESIDENT  
AND GENERAL COUNSEL

SAMUEL G. MILLER  
JOHN P. CAREY  
EUGENE J. BRADLEY  
HENRY P. SULLIVAN  
DONALD BLANKEN  
ALBERT R. BEAL  
EDWIN W. SCOTT  
ASSISTANT GENERAL COUNSEL



AREA CODE 215  
WALNUT 2-4700

November 3, 1964

Mr. R. L. Doan, Director  
Division of Reactor Licensing  
United States Atomic Energy Commission  
Washington 25, D. C.

Re: In the Matter of Philadelphia  
Electric Company  
Docket No. 50-171

File Copy (Suppl)

Dear Mr. Doan:

I am forwarding under separate cover for filing with the Commission three original and nineteen copies of Amendment No. 8 to our Peach Bottom Atomic Power Station License Application. This amendment contains amended pages for the Final Hazards Summary Report and the Final Hazards Summary Report Supplement. The filing includes sixty sets of the substitute pages and additional pages.

Four copies of the schematics referred to in footnote 4 on page 8-9 of the amended pages are also being forwarded. If additional copies are requested, we will supply them.

Very truly yours,

VINCENT P. McDEVITT

VPMcD:af

*orig rec'd 11-5-64*

U. S. ATOMIC ENERGY COMM.  
REGULATORY  
MAIL SECTION  
1964 NOV 4 PM 2 05

RECEIVED

ACKNOWLEDGED

5151

BEFORE THE  
UNITED STATES ATOMIC ENERGY COMMISSION

In the Matter of :  
PHILADELPHIA ELECTRIC COMPANY :

Docket No. 50-171  
*(suppl)*  
File Copy

AMENDMENT NO. 8  
TO  
APPLICATION OF  
PHILADELPHIA ELECTRIC COMPANY

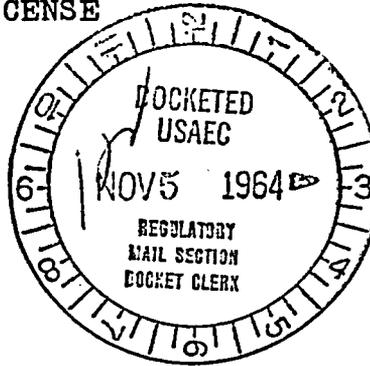
U.S. ATOMIC ENERGY COMM.  
REGULATORY  
MAIL SECTION

1964 NOV 4 PM 2 04

RECEIVED

FOR

CONSTRUCTION PERMIT AND CLASS 104 LICENSE



Vincent P. McDevitt  
Eugene J. Bradley

Attorneys for  
PHILADELPHIA ELECTRIC COMPANY

1000 Chestnut Street  
Philadelphia 5, Penna.

BEFORE THE  
UNITED STATES ATOMIC ENERGY COMMISSION

In the Matter of

Docket No. 50-171

PHILADELPHIA ELECTRIC COMPANY

AMENDMENT NO. 8

TO

APPLICATION OF

PHILADELPHIA ELECTRIC COMPANY

FOR

CONSTRUCTION PERMIT AND CLASS 104 LICENSE

*Pages 11-20-64 inserted*

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Philadelphia Electric Company hereby amends its Application in the above-entitled proceeding by making the following changes to Part C, Final Hazards Summary Report:

VOLUME III - PLANT DESCRIPTION AND SAFEGUARDS ANALYSIS

Delete page VI-14 and insert in lieu thereof page VI-14 dated October, 1964.

FINAL HAZARDS SUMMARY REPORT SUPPLEMENT

1. Delete page 8-1 and insert in lieu thereof page 8-1 dated October, 1964.

2. Delete page 8-4 and insert in lieu thereof page 8-4 dated October, 1964.

3. Delete page 8-5 and insert in lieu thereof page 8-5 dated October, 1964.

4. Delete page 8-8a and insert in lieu thereof page 8-8a dated October, 1964.

5. Insert additional pages 8-8b and 8-8c dated October, 1964.

6. Delete page 8-9 and insert in lieu thereof page 8-9 dated October, 1964.

7. Delete page 12-2 and insert in lieu thereof page 12-2 dated October, 1964.

8. Delete page 12-6 and insert in lieu thereof page 12-6 dated October, 1964.

9. Delete page 20-1 and insert in lieu thereof page 20-1 dated October, 1964.

10. Insert additional page 20-1a dated October, 1964.

Respectfully Submitted

PHILADELPHIA ELECTRIC COMPANY

By:   
Vice-President

Dated: November 3, 1964

Commonwealth of Pennsylvania )  
County of Philadelphia ) SS.

R. P. Liversidge, being first duly sworn, deposes  
and says:

That he is a Vice-President of Philadelphia  
Electric Company, the Applicant herein; that he has read  
the foregoing Amendment and knows the contents thereof,  
and that the statements and matters set forth therein are  
true and correct to the best of his knowledge, information  
and belief.

  
R. P. Liversidge

Subscribed and Sworn to  
before me this 3<sup>rd</sup> day  
of November, 1964.

  
Notary Public

Notary Public, Philadelphia, Philadelphia Co.  
My Commission Expires January 17, 1967.

CERTIFICATE OF SERVICE

I certify that service of the foregoing Amendment No. 8 was made upon the Board of Supervisors, Peach Bottom Township, York County, Pennsylvania by mailing a copy thereof, via first class mail, to Samuel Gemmill, Chairman of the Board of Supervisors, R. D. No. 2, Delta, Pennsylvania this 4th day of November, 1964.

  
Attorney for

PHILADELPHIA ELECTRIC COMPANY

PHILADELPHIA ELECTRIC COMPANY  
DIRECTORS AND PRINCIPAL OFFICERS

The names and addresses of the Directors and Principal Officers of Philadelphia Electric Company, all of whom are citizens of the United States, are as follows:

Directors

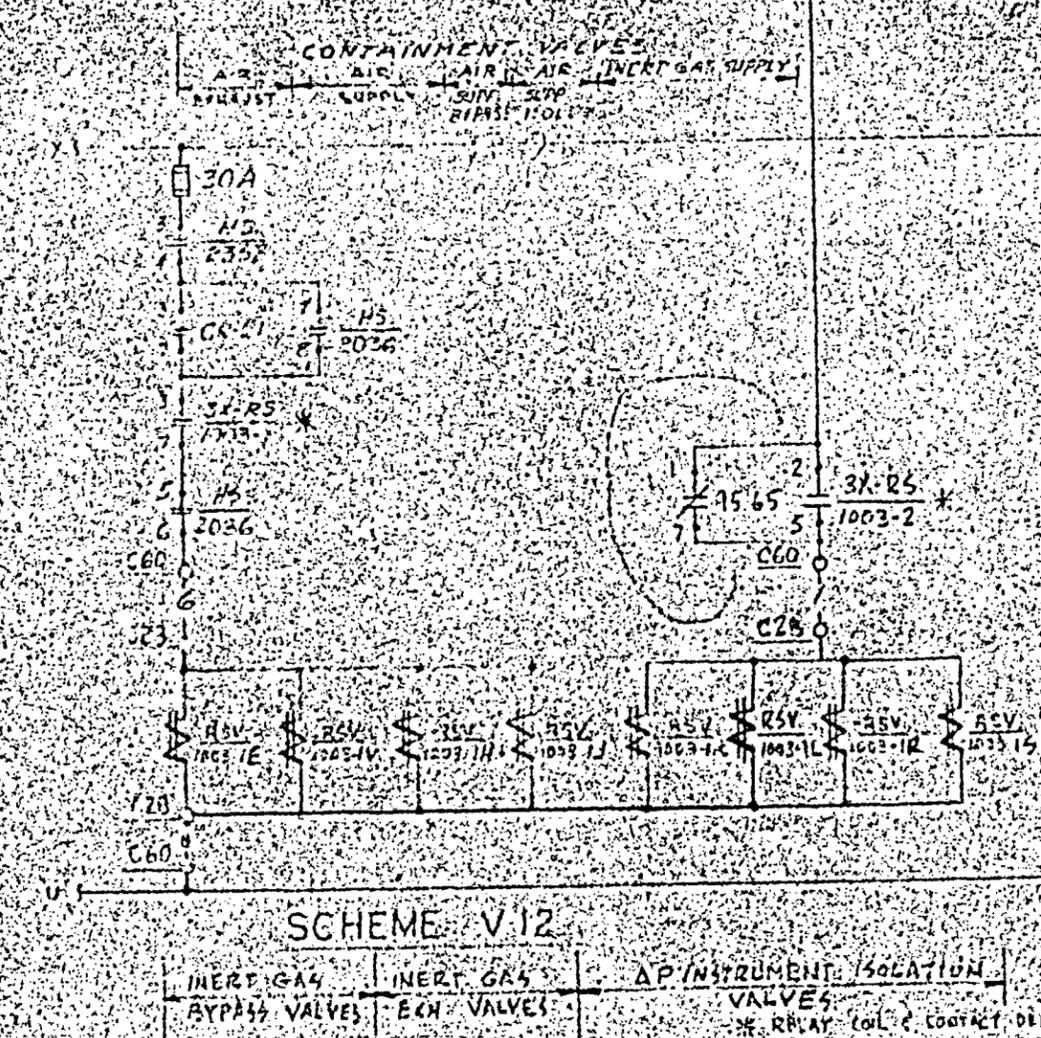
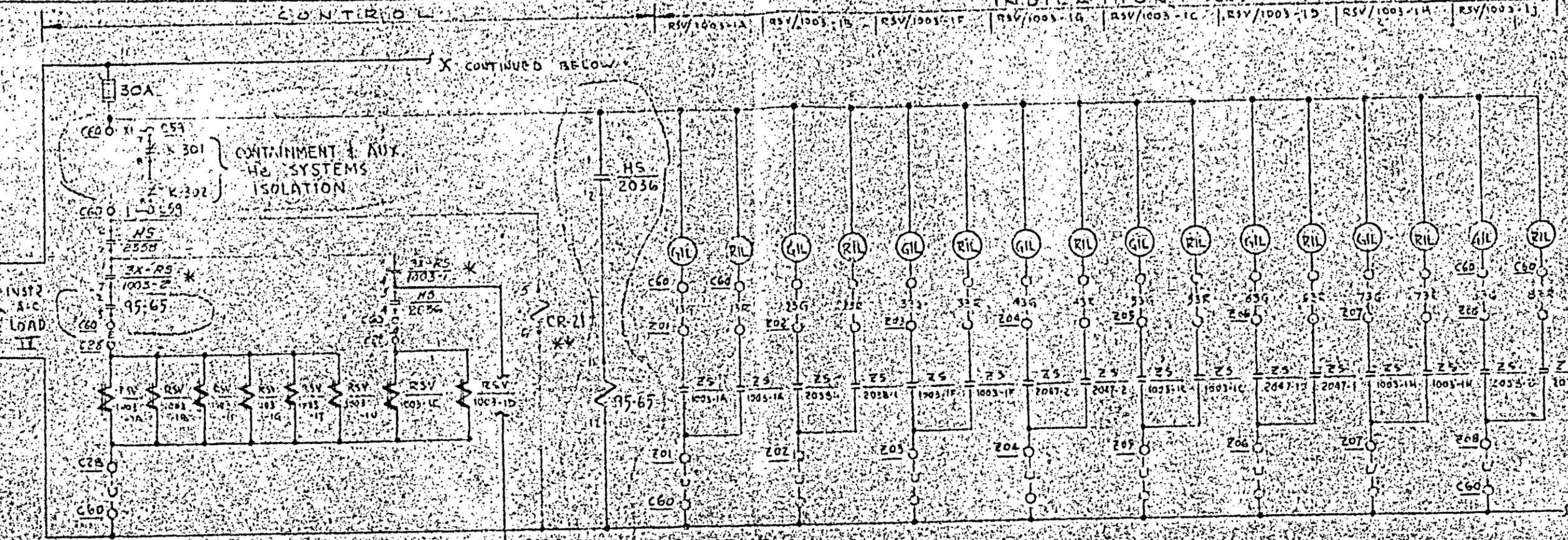
<u>Name</u>	<u>Address</u>
Gustave G. Amsterdam	Bankers Securities Corporation 1315 Walnut Street Philadelphia 7, Pa.
George H. Brown, Jr.	Girard Trust Bank Broad and Chestnut Streets Philadelphia, Pa. 19101
John A. Diemand	Insurance Company of North America 1600 Arch Street Philadelphia, Pa. 19101
R. F. Gilkeson	Philadelphia Electric Company 1000 Chestnut Street Philadelphia, Pa. 19105
William G. Hamilton, Jr.	American Meter Company, Inc. 13500 Philmont Avenue Philadelphia, Pa. 19116
Vincent P. McDevitt	Philadelphia Electric Company 1000 Chestnut Street Philadelphia, Pa. 19105
H. N. Ramsey	Philadelphia Electric Company 1000 Chestnut Street Philadelphia, Pa. 19105
R. G. Rincliffe	Philadelphia Electric Company 1000 Chestnut Street Philadelphia, Pa. 19105
Philip T. Sharples	The Sharples Corporation 23rd and Westmoreland Streets Philadelphia, Pa. 19140
G. Stockton Strawbridge	Strawbridge & Clothier 801 Market Street Philadelphia, Pa. 19105

Principal Officers

<u>Name</u>	<u>Title</u>	<u>Address</u>
R. G. Rincliffe	Chairman of the Board	1000 Chestnut Street Philadelphia, Pa. 19105
H. N. Ramsey	President	1000 Chestnut Street Philadelphia, Pa. 19105
R. F. Gilkeson	Executive Vice President	1000 Chestnut Street Philadelphia, Pa. 19105
G. R. Conover	Vice President	1000 Chestnut Street Philadelphia, Pa. 19105
V. P. McDevitt	Vice President and General Counsel	1000 Chestnut Street Philadelphia, Pa. 19105
R. P. Liversidge	Vice President	1000 Chestnut Street Philadelphia, Pa. 19105
W. H. Jones	Vice President	1000 Chestnut Street Philadelphia, Pa. 19105
M. I. Allen	Vice President	1000 Chestnut Street Philadelphia, Pa. 19105
J. H. Long	Vice President	1000 Chestnut Street Philadelphia, Pa. 19105
C. W. Watson	Vice President	1000 Chestnut Street Philadelphia, Pa. 19105
J. H. Harlow	Vice President	1000 Chestnut Street Philadelphia, Pa. 19105
A. G. Mitchell	Vice President	1000 Chestnut Street Philadelphia, Pa. 19105
V. J. Walsh	Secretary	1000 Chestnut Street Philadelphia, Pa. 19105
W. F. Bergen	Assistant Secretary	1000 Chestnut Street Philadelphia, Pa. 19105
G. W. Miller	Treasurer	1000 Chestnut Street Philadelphia, Pa. 19105
D. W. Evans, Jr.	Assistant Treasurer	1000 Chestnut Street Philadelphia, Pa. 19105
J. W. Schulze	Assistant Treasurer	1000 Chestnut Street Philadelphia, Pa. 19105

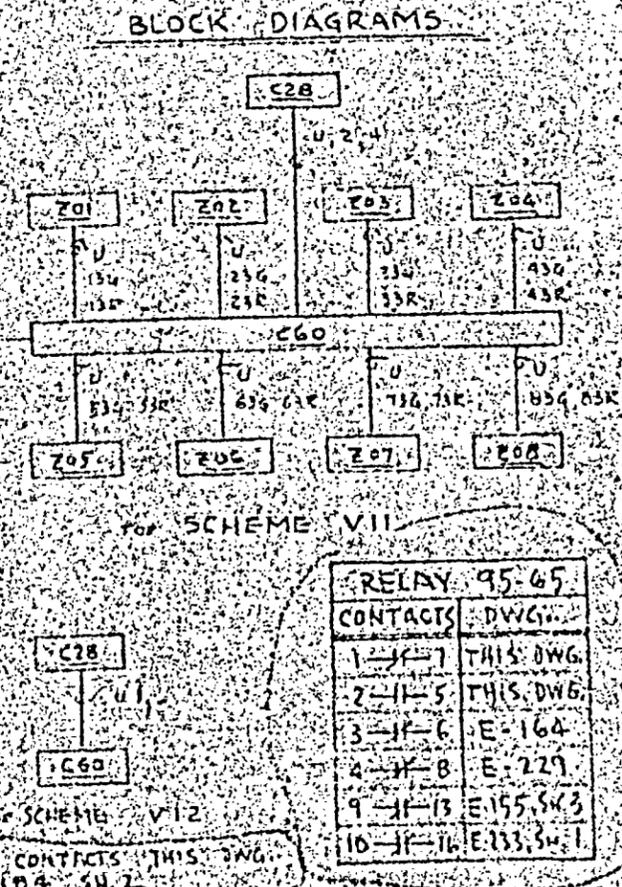


1	ADD. CA-21231, 10/10/53	DATE	11-7-53
2	REV. HS/1003 SCHEM V12	DATE	7-12-53
3	REV. HS/1003 SCHEM V12	DATE	7-15-53
4	DELETED SCHEM V12, REV. RSV/1003-1E, 16-11-53	DATE	7-12-53
5	ISSUED FOR CONSTRUCTION	DATE	1-9-54
6	IDENTIFIED K-301, X101, ADDED 95-65, REV. CN. HS-2036	DATE	6-17-64



SCHEME VII

SCHEME V12



BLOCK DIAGRAMS

RELAY 95-65

CONTACTS	DWG.
1-11-2	THIS DWG.
2-11-5	THIS DWG.
3-11-6	E-164
4-11-8	E-229
9-11-13	E155, S43
10-11-16	E133, S41

CONTACTS	POSITION		
	OFF	W/SPRING	RETURN
1-11-2			X
3-11-4		X	
5-11-6	X		
7-11-8	X		

CONTROL SWITCH HS 2036  
OVAL HANDLE, NO SPRING, RETURN, KEY SW.

CONTACT	POSITION	
	ISOLATE	NORMAL
1-11-2		X
3-11-4		X

CONTROL SWITCH HS 2036  
OVAL HANDLE, NO SPRING, RETURN

PEACH BOTTOM ATOMIC POWER STATION  
PHILADELPHIA ELECTRIC COMPANY  
SCHEMATIC DIAGRAM

VENTILATION AIR & INERT GAS SYSTEM VALVES

BECHTEL CORPORATION 	JOB No. 3150	SCALE
	DWG NO. E-184	REVISION 6

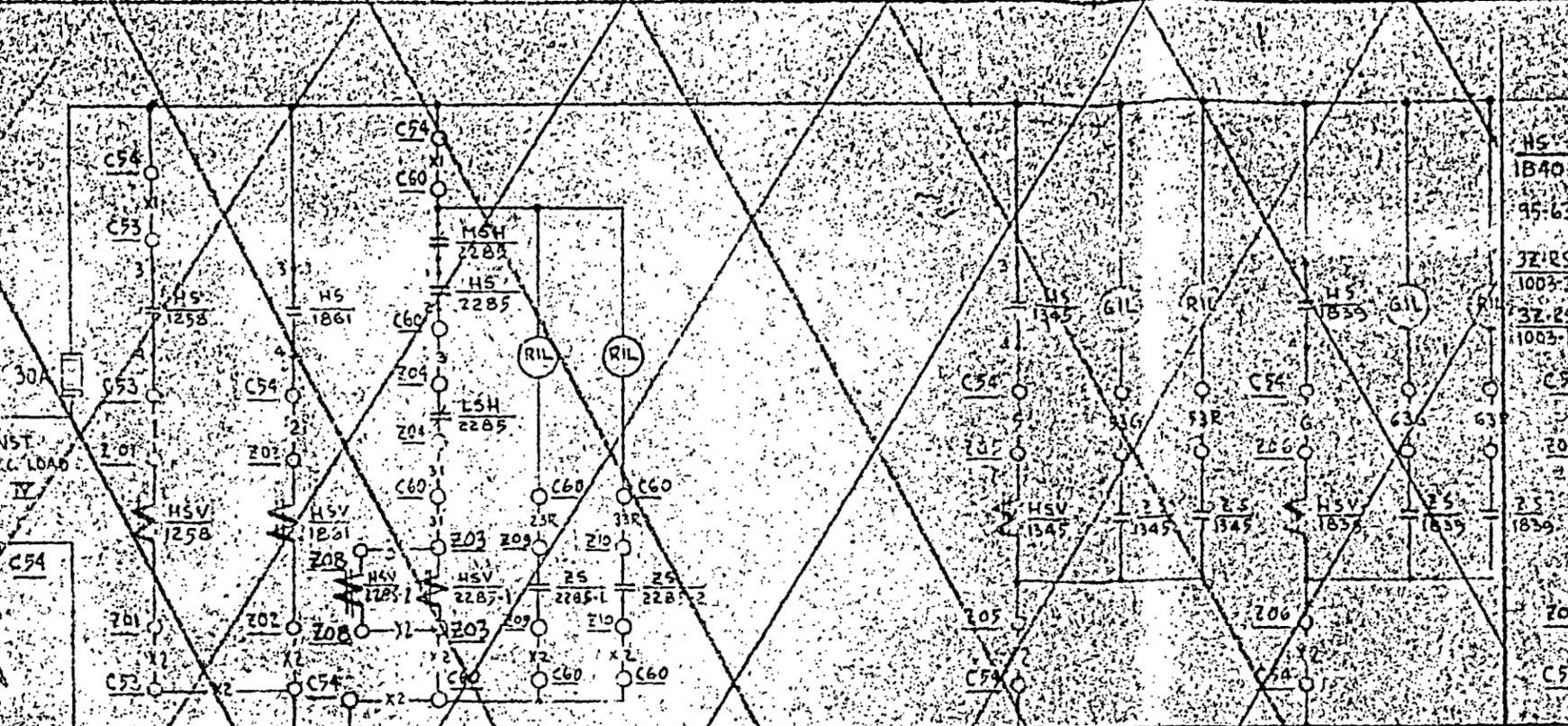
SHT. 1

U.S.A.E.C.  
DocKet 50-171  
F.H.S.R. SUPPLEMENT



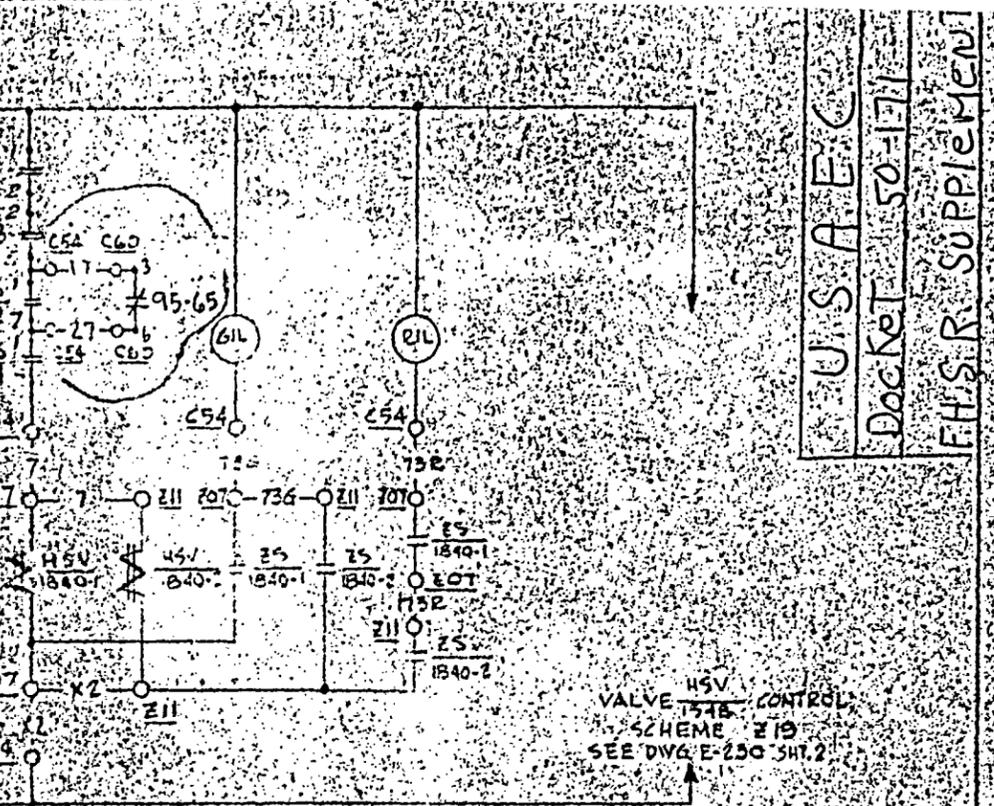


1	CHANGED SCHEME NUMBER	ADD: H5V-2285-2
2	CHANGED LOCATION OF H5V/1861	ADD: H5V-2285
3	ADD: H5V-2285	DEL: H5V-1861
4	ISSUED FOR CONSTRUCTION	ADD: H5V-1861
5	DESCRIPTION	ADD: H5V-2285-2
6	APPROVALS	ADD: H5V-2285-2
7	DATE	ADD: H5V-2285-2



SERVICE WATER VALVES

SHIELD COOLING WATER VALVES



RELAY	DWG
32-RS/1003-1	E-187
32-RS/1003-2	E-187
95-63	E-229
95-65	E-184, SH-1

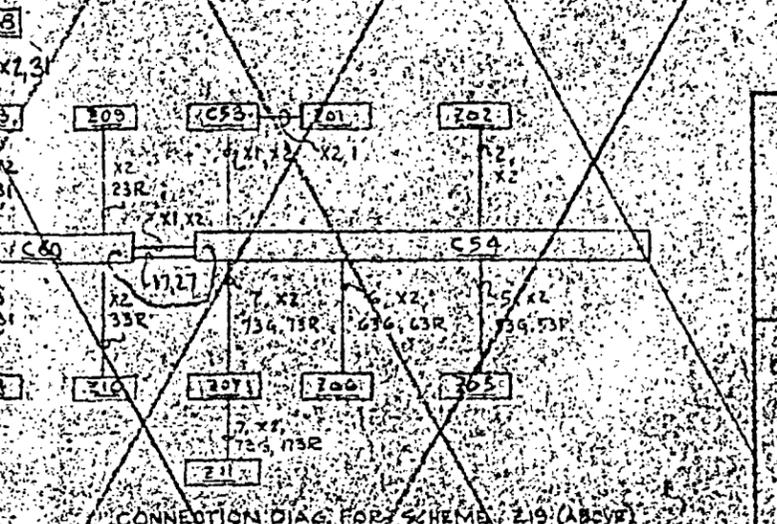
SCHEME Z 19

AUTO	AS	BY	CONTACTS	POSITION
			(HANDLE END)	AUTO
			1-11-2	X
			3-11-4	X

CONTROL SWITCH H5/2285  
NO SPRING RETURN  
OVAL HANDLE  
O INDICATES SPARE CONTACT

CLOSE	OPEN	CONTACTS	POSITION
		(HANDLE END)	CLOSE
		1-11-2	X
		3-11-4	X

CONTROL SWITCH (TYPICAL EXCEPT H5/1861)  
OVAL HANDLE - NO SPRING RETURN  
(USE PROPER NO CONTACT AS SHOWN IN SCHEME; THE OTHER CONTACT LEFT SPARE)



CONNECTION DIAG FOR SCHEME Z 19 (ABOVE)

PEACH BOTTOM ATOMIC POWER STATION  
PHILADELPHIA ELECTRIC COMPANY  
SCHEMATIC DIAGRAM  
SHIELD COOLING & SERVICE WATER SYSTEM VALVES

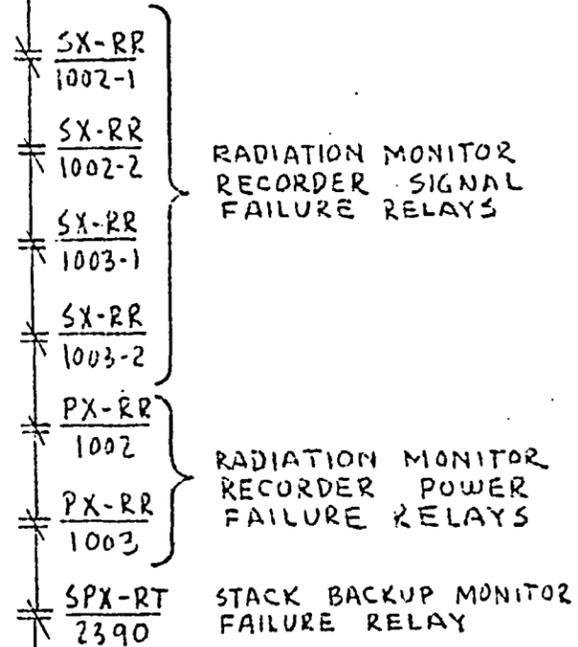
BECHTEL CORPORATION	JOB No. 215	SCALE
	DWG No. E-164	REVISION 7
POWER AND INDUSTRIAL DIVISION		

U.S.A.E.C.  
DOCKET 50-171  
E.H.S.R. SUPPLEMENT



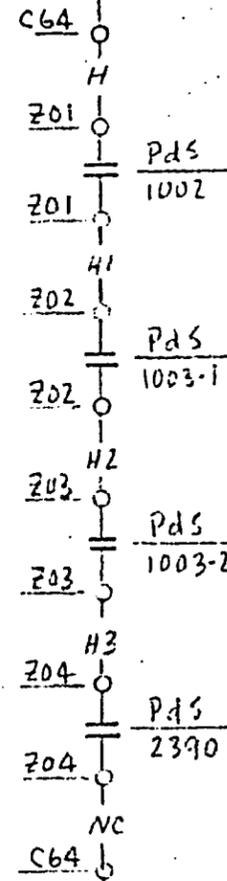


C64  
ANNUN. BUS



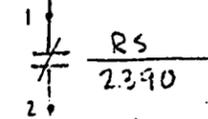
ALARM WINDOW  
BOARD NO 64  
[UTILIZE SPARE  
POSITION BELOW  
RAH-1003-2A (LEFT)]

VENT. GAS  
MONITORS  
INSTRUMENT  
FAILURE



ALARM WINDOW PdAL/2390  
BOARD NO 64  
[UTILIZE SPARE POSITION  
BELOW RAH/1003-2A (RIGHT)]

VENT. GAS  
MONITORS  
SAMPLE LINES  
LOW FLOW



ALARM WINDOW RAH/2390  
BOARD NO 64  
[UTILIZE SPARE POSITION  
BELOW RAH/1002-2]

STACK BACKUP  
GROSS  
GAMMA  
HIGH RADIATION

U.S.A.E.C.  
DOCKET 50-171  
F.H.S.R. SUPPLEMENT

PEACH BOTTOM ATOMIC POWER STATION  
PHILADELPHIA ELECTRIC COMPANY  
VENTILATION GAS  
MONITORS  
SUPPLEMENTARY ALARMS

BECHTEL CORPORATION  POWER AND INDUSTRIAL DIVISION	JOB NO 3150	SCALE —
	DWG NO SK 3150-E-28 AVC	REVISION 0 10-26-64

REV.	DESCRIPTION	ENG	DR	CHK	SUPV	MATL	APPROVALS	DATE
0								