

AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)

CONTROL NO: 190

FROM: Carolina Power & Light Company Raleigh, North Carolina 27602 E. E. Utley		DATE OF DOC: 1-5-73	DATE REC'D 1-8-73	LTR x	MEMO	RPT	OTHER
TO: A. Giambusso		ORIG 3 signed	CC 37	OTHER	SENT AEC PDR x SENT LOCAL PDR x		
CLASS: U/PROP INFO		INPUT	NO CYS REC'D 40	DOCKET NO: 50-261			

DESCRIPTION:

Ltr re our 12-15-72 ltr...furnishing info regarding postulated piping system failure outside of the containmenttrans the following:

ENCLOSURES:

DWG NO: G-19020
DWG NO: G-19206

ACKNOWLEDGED DO NOT REMOVE

PLANT NAMES: H.B. Robinson Unit # 2

(40 cys rec'd)

FOR ACTION/INFORMATION 1-9-73 fod

BUTLER(L) W/ Copies	SCHWENCER(L) W/ Copies	SCHEMEL(L) W/ 4 Copies	KNIGHTON(E) W/ Copies
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KNIEL(L) W/ Copies	H. DENTON W/ Copies	DICKER(E) W/ Copies	

INTERNAL DISTRIBUTION

<u>REG FILE</u> AEC PDR OGC, ROOM P-506A MUNTZING/STAFF CASE GIAMBUSO BOYD-L(BWR) DEYOUNG-L(PWR) SKOVHOLT-L P. COLLINS REG OPR FILE & REGION (2) MORRIS STELLE	TECH REVIEW HENDRIE SCHROEDER MACCARY LANGE(2) PAWLICKI SHAO KNUTH STELLO MOORE HOUSTON TEDESCO LONG LAINAS BENAROYA	VOLLMER DENTON GRIMES GAMMILL KASTNER BALLARD SPANGLER ENVIRO MULLER DICKER KNIGHTON YOUNGBLOOD PROJ LEADER REGAN	HARLESS F & M SMILEY NUSSBAUMER LIC ASST. SERVICE L MASON L WILSON L MAIGRET L SMITH L GEARIN L DIGGS L TEETS L LEE L	WADE E SHAFER F & M BROWN E G. WILLIAMS E E. GOULBOURNE L A/T IND RUBENSTEIN BRATTMAN MACKAY SALTZMAN VARGA PLANS KLECKER MCDONALD CARTER DUBE EISENHUT INFO C. MILES
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EXTERNAL DISTRIBUTION

1-LOCAL PDR Hartville, S. C. 1-DTIE(ABERNATHY) 1-NSIC(BUCHANAN) 1-ASLB-YORE/SAYRE WOODWARD/H. ST. 16-CYS ACRS HOLDING	(1)(5)(9)-NATIONAL LAB'S 1-R. CARROLL-OC, GT-B227 1-R. CATLIN, E-256-GT 1-CONSULANT'S NEWMARK/BLUME/AGABIAN	1-PDR-SAN/LA/NY 1-GERALD LELLOUCHE BROOKHAVEN NAT. LAB 1-AGMED(WALTER KOESTER, Rm C-427, GT) 1-RD...MULLER...F-309GT
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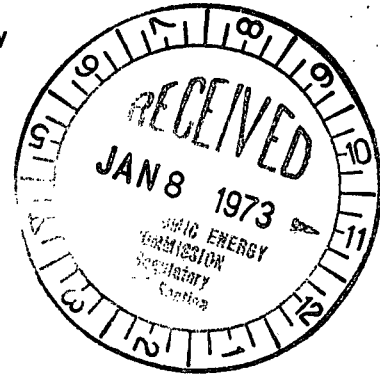


Carolina Power & Light Company

January 5, 1973

Mr. A. Giambusso
Deputy Director for Reactor Projects
Directorate of Licensing
United States Atomic Energy Commission
Washington, D. C. 20545

50-261
Regulatory File Cy.



H. B. ROBINSON UNIT NO. 2
LICENSE DPR-23
POSTULATED PIPE FAILURES OUTSIDE CONTAINMENT

Dear Mr. Giambusso:

We have reviewed the information you requested in your letter and attachment of December 15, 1972, concerning postulated piping system failures outside of the containment and their effects on the safety of the plant, and have the following comments regarding your request as to the applicability to the H. B. Robinson Plant, Unit No. 2.

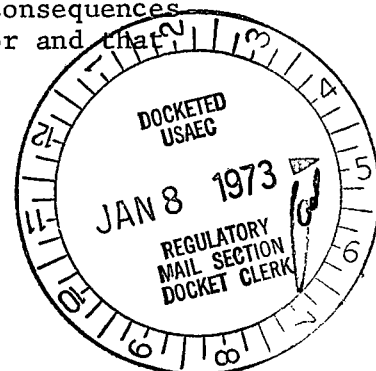
The main steam and feedwater system piping is wholly located outside of and at a substantial distance from any structures, systems or components which are vital to the safe and orderly shutdown of the reactor under accident situations. We refer you to the Final Facility Description and Safety Analysis Report (FFDSAR) for H. B. Robinson, Docket No. 50-261, in particular Figures 1.2-1, 1.2-5, 1.2-6, 1.2-9, 1.2-10, and 1.2-11 for the general arrangements of the various buildings on the site and components of various systems within the auxiliary and turbine buildings. We have also included, at your request, two figures which show the layout of the main steam and feedwater system piping. By referring to these drawings, it is evident that the auxiliary building and control room, the cable spreading room and the refueling water storage tank, as well as other safety-related areas, are well isolated from the piping runs of the system. Also, equipment of concern is located in Class I structures, which have also been designed with consideration for tornados, missile impingement, etc. A listing of Class I components is given in Appendix 5A and the answer to question IIIA3 in Section VII, Volume 4 of the FFDSAR.

Based on the above considerations, we feel that the consequences of pipe ruptures and failures have been adequately accounted for and that no further analysis of this class of accidents is necessary.

Very truly yours,

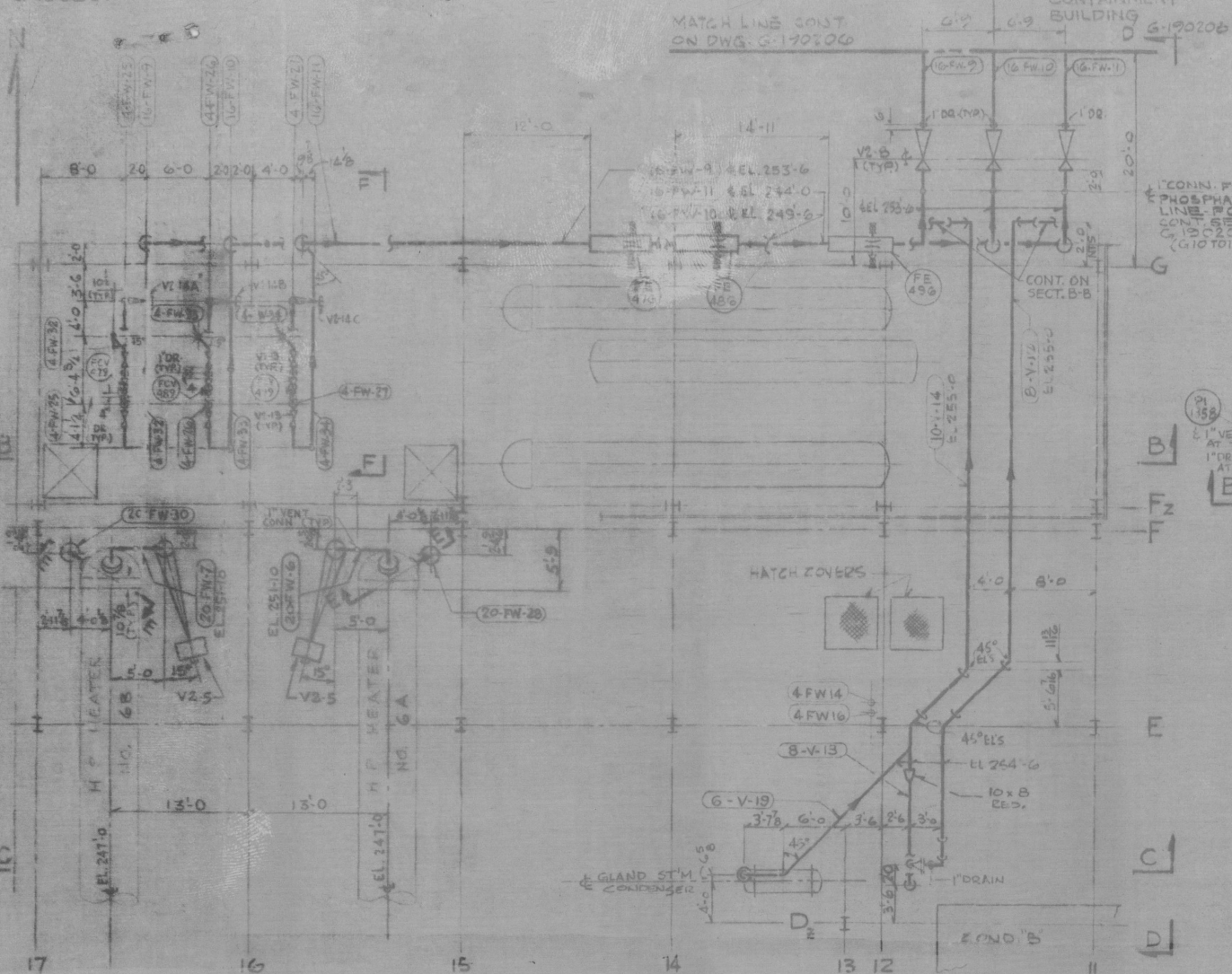
E. E. Utley
Vice President
Bulk Power Supply

DBW/za
Enclosures (2)
cc: Mr. C. D. Barham, Jr.
Mr. N. B. Bessac
Mr. B. J. Furr

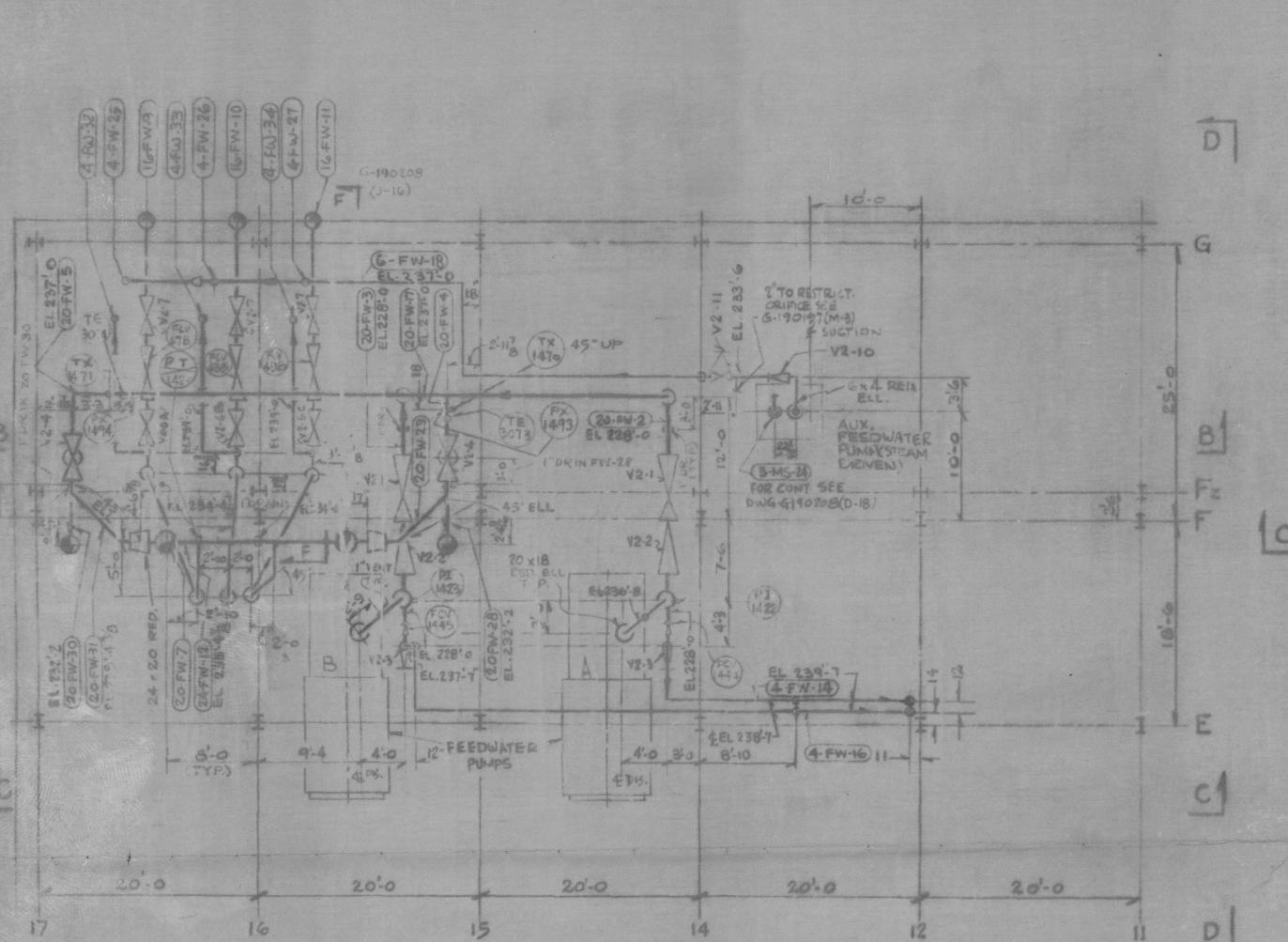


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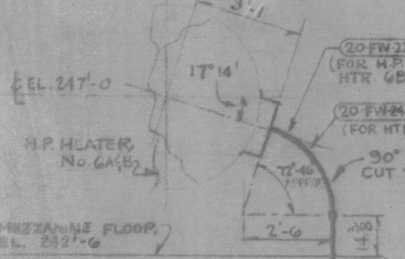
BN



FEED PIPING - PLAN - MEZZANINE & ABOVE

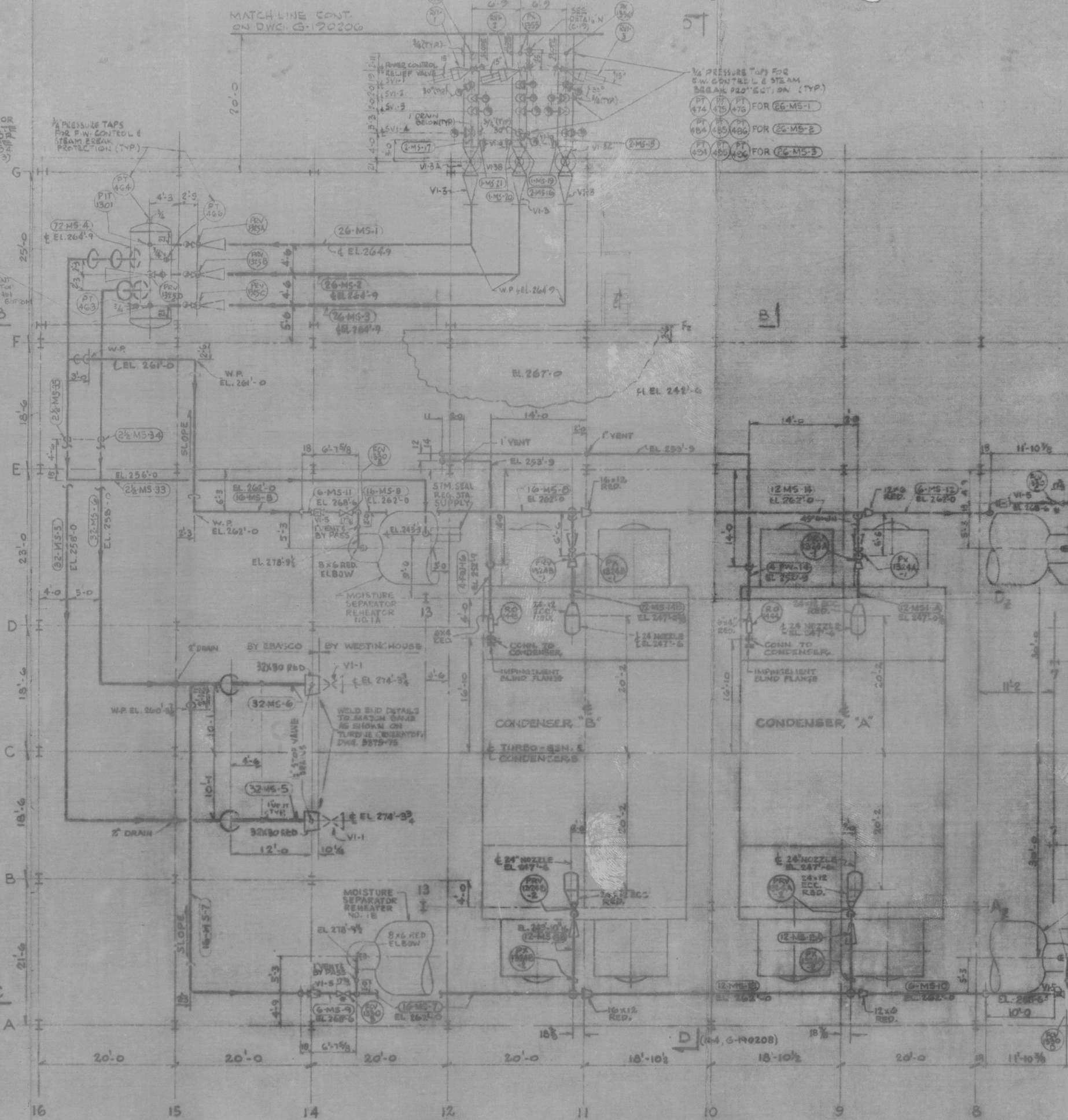


FEED PIPING - PLAN - GROUND FLOOR

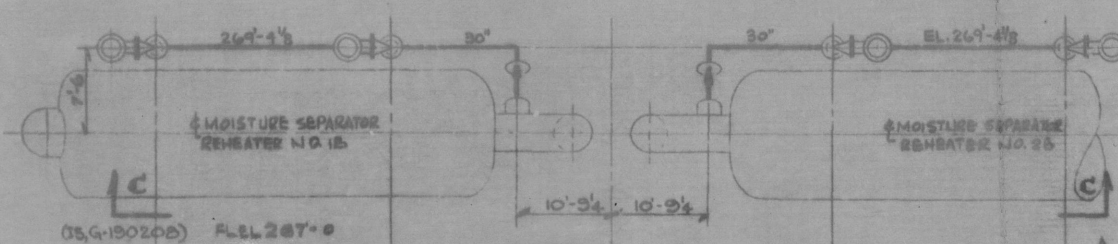


SECTION E-E

SEE DETAIL (G-2) ON DWG. G-190214



STEAM PIPING - PLAN - MEZZANINE & ABOVE



SAFETY VALVE PIPING FROM MOISTURE SEPARATOR REHEAT

AS SHOWN IN 15A28
NOTED IN 15A28 17A2A

NO.	DATE	AS BUILT	BY	CHKD	APP'D
9	1-7-71	AS BUILT	BC	PA	W
8	4-4-69		JK	PA	W
7	10-30-68		L	JK	W
6	9-11-68		K	PA	W
5	5-27-68		JK	PA	W
4	4-16-68		JK	PA	W
3	3-5-66		JK	PA	W
2	2-15-66		JK	PA	W
1	1-15-66		JK	PA	W

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WESTINGHOUSE ELECTRIC CORPORATION
Atomic Power Division

ONKOLA POWER & LIGHT COMPANY
H.B. ROBINSON STEAM ELECTRIC PLANT
1970-198000 IN A REHEAT STEAM
MAIN STEAM & REHEAT PIPING
PLAN - SHEET E

