

## **17.0 COMPONENT ALLOCATION**

The following steps were performed in the selection and allocation of components over the Second 10 Year Inspection Interval:

- The total number of examination areas was determined by Category after exemption criteria was applied.
- The specific number of components requiring examination was determined in accordance with the Code, using percentage selection criteria where applicable.
- Components and welds requiring examination were then distributed among the Inspection Periods and the number of Refueling Outages per Period, considering area accessibility and anticipated radiation fields.

The allocation of Class 1, 2, 3, MC, CC and component supports for the third inservice inspection interval are contained in Appendix D.

<b>Appendix D Tab No.</b>	<b>Description</b>
1	Section XI Allocation Summary (Class 1,2,3)
2	Section XI IWB-2500-1 Allocation Summary
3	Section XI IWC-2500-1 Allocation Summary
4	Section XI IWD-2500-1 Allocation Summary
5	Section XI IWE-2500-1 Allocation Summary
6	Section XI IWF-2500-1 Allocation Summary
7	Section XI IWL-2500-1 Allocation Summary

## 18.0 ISI 10 YEAR PROGRAM AND SCHEDULES

Included in this section is the listing and proposed schedule of components subject to the examination during the Third 10 Year Inspection Interval.

18.1 The Inservice Inspection Program is categorized in conjunction with Section XI examination categories for Class 1(IWB), 2 (IWC), 3 (IWD), Class 1, 2, & 3 components supports (IWF), MC components (IWE) and CC components (IWL). The following items describe the information presented in the ISI Program:

- B. Exam Summary Number – This provides a unique, sequential, six-digit reference for each exam entry.
- C. Examination Category – An itemized listing of examination areas, items and components required for Class 1(IWB), 2 (IWC), 3 (IWD), Class 1, 2, & 3 components supports (IWF), MC components (IWE) and CC component categories (e.g., B-A, C-A, D-A, E-A and F-A).
- D. Item Number – A division within an examination category which separates the specific examination requirements (e.g., B1.10, C2.20, D3.30 and E1.10).
- E. Description – Identifies the components subject to examination.
- F. NDE Method – Identifies the nondestructive examination method required for each component. The NDE abbreviations in the Program are as follows:

<b>Surface</b>	
MT	Magnetic Particle Testing
PT	Dye Penetrant Testing

<b>VOLUMETRIC</b>	
M-UT	Mechanized Ultrasonic Testing
UT	Ultrasonic Testing
RT	Radiography Testing

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<b>VISUAL</b>	
VT-1	Visual Examination (Surface Conditions)
VT-2	Visual Examination (Leak Testing)
<b>VISUAL</b>	
VT-3	Visual Examination (General Conditions & Functional Adequacy)
VT-G	Visual Examination (General)
VT-D	Visual Examination (Detailed)

- G. Schedule – Identifies the inspection period that the component will be subject to examination during the inspection interval. The following is a listing of all cycle designators, which identifies the status codes of the particular component or weld:

<b>WINISI Code</b>	<b>Code Description</b>
X	SECTION XI SCHEDULED EXAMS
C	SECTION XI COMPLETED EXAMS
S	REGULATORY AUGMENTED SCHEDULED EXAMS
A	REGULATORY AUGMENTED COMPLETED EXAMS
Y	PSE&G AUGMENTED SCHEDULED EXAMS
K	PSE&G AUGMENTED COMPLETED EXAMS
F	PRESERVICE SCHEDULED
P	PRESERVICE COMPLETED
J	IWF RE-EXAM SCHEDULED
H	IWF RE-EXAM COMPLETED
N	RCP FLYWHEEL PERIOD EXAMS SCHEDULED
O	RCP FLYWHEEL PERIOD EXAMS COMPLETED
Z	RCP FLYWHEEL 10 YEAR EXAMS SCHEDULED
T	RCP FLYWHEEL 10 YEAR EXAMS COMPLETED
D	DELETED COMPONENT
R	RESCHEDULED
M	PARTIAL EXAM SCHEDULED
L	PARTIAL EXAM COMPLETED
E	ASME COMPLETED EXPANDED SAMPLE COMPONENT
B	EXAM TICKLER – SCHEDULED
-	NO STATUS
V	VERIFICATION REQUIRED

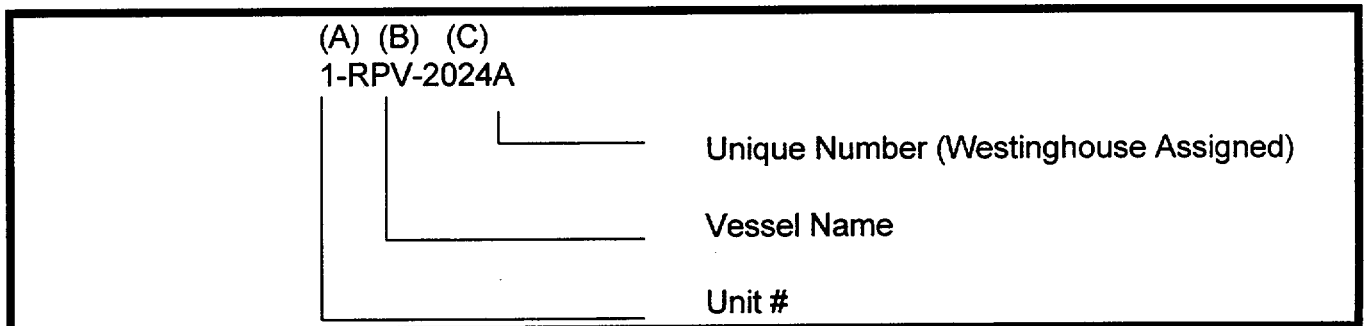
## 18.0 ISI 10 YEAR PROGRAM AND SCHEDULES

- H. "Remarks" column – The remarks column is used to provide additional information pertinent to the inspections. Typical information includes the following:
- (a) A basic calibration block for each component scheduled for an ultrasonic inspection. This is to facilitate the users of this plan in selecting the correct calibration block for use during ultrasonic inspection.
  - (b) Special inspection requirements unique to a given component or system.
  - © Other information necessary to explain previous examination results or limitations.
- I. Component and System Identification

### 1. Vessels

All vessel welds and components are identified utilizing a unique component abbreviation. In the case of the RPV, a unit designator number follows the abbreviation. Following the component abbreviation is a unique examination area number.

For vessel examination areas, the following format is used:



Where: A is the number 1 and denotes Salem Unit 1 except for nozzles and steam generators. For nozzles, A is the same as the connecting line size. For steam generators, A is the steam generator number.

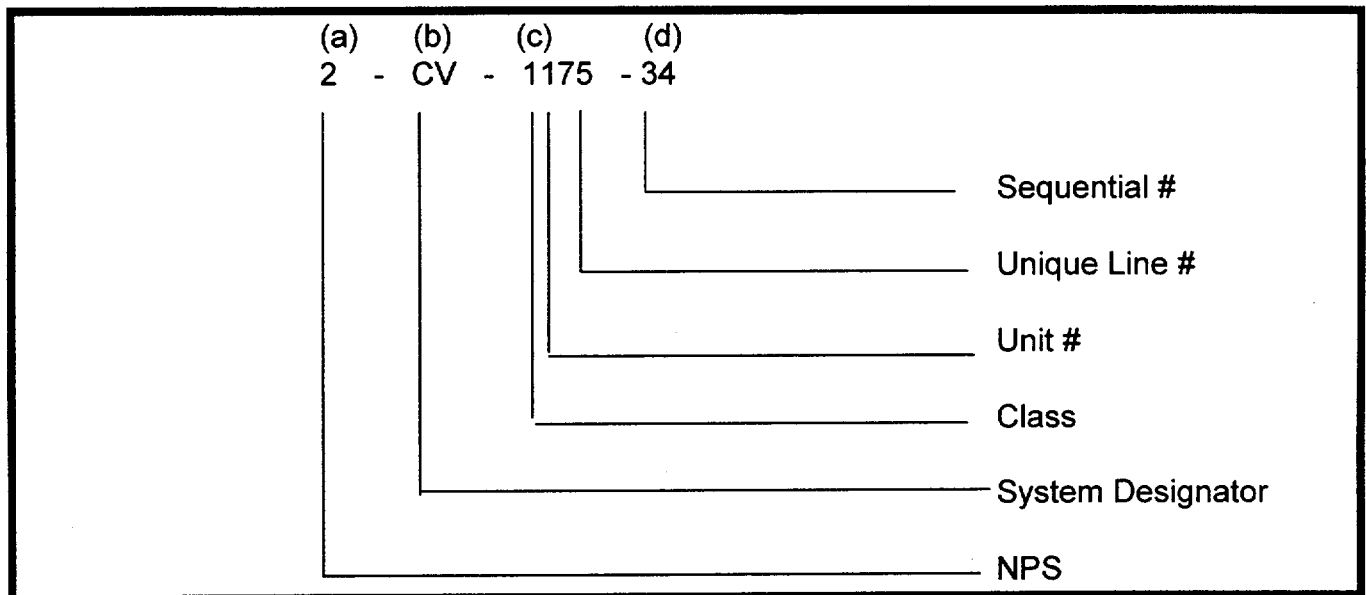
## 18.0 ISI 10 YEAR PROGRAM AND SCHEDULES

Where: B denotes the vessel, as follows:

PZR- Pressurizer  
PRN- Pressurizer Nozzles  
RPV- Reactor Pressure Vessel  
RPVCH- Reactor Pressure Vessel Closure Head  
RCN- Steam Generator Nozzles  
STG- Steam Generator

Where: C is a unique number of letter identifying the examination area. For RPV circumferential, meridional, and longitudinal welds, C is the same number that Westinghouse assigned to the weld. C ends in IRD for inside radius section examination area.

### 2. Piping



- (a) This first character set denotes the nominal pipe diameter.
- (b) The second character set consists of an abbreviation that designates the applicable piping system. These abbreviations are identified in the Acronyms and Abbreviations section of this plan.
- © The third character set is a unique LTP Piping Line #, which when broken down identifies the Class, Unit # and a unique line #. For

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the Main Reactor Coolant Loops, the first integer correlates with the steam generator number (1= steam generator 11, 2= steam generator 12, 3= steam generator 13, and 4= steam generator 14) and the second integer is 0.

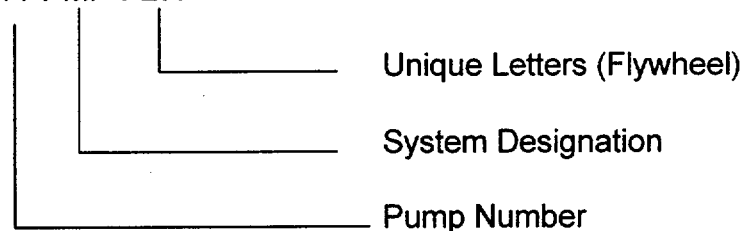
- (d) The fourth character set is a sequential number that identifies a unique component under the piping line number. The following is a description for the piping numbering scheme.

Specific examination areas for each piping line are designated under the applicable line number. The weld number assigned to the specific weld or examination area number corresponds to the numbers assigned on the piping isometrics. Weld numbers have been assigned in sequential order in the direction of flow. Where the direction of flow is ambiguous, a flow direction was assumed. Branch connections, longitudinal weld seams, lugs, hangers, etc. have been identified utilizing the adjacent weld numbers.

### 3. Pumps

Pump welds were assigned weld numbers as identified on the outline drawings contained in Appendices "H" and "I".

11-PMP-FLW



The RC pump examination areas are identified by a two-digit number which identified the pump number, system designation (PMP- Reactor Coolant Pump, RHR- Residual Heat Removal), and a group of numbers and/or letters making each area uniquely identified.

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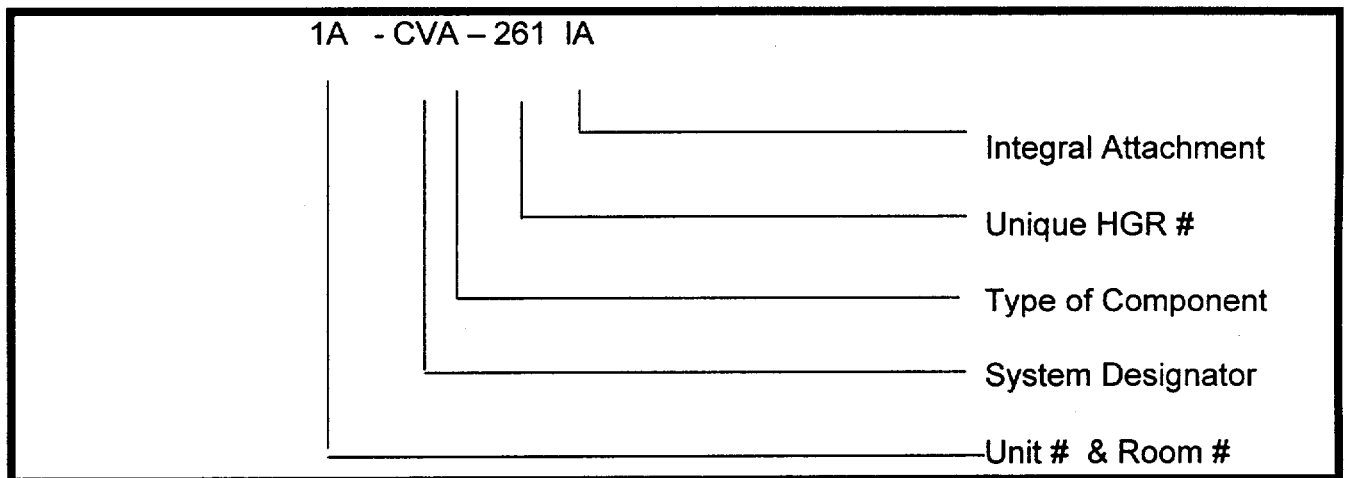
## 4. Support Components

Support components are identified on the isometrics only using the PSE&G-supplied hanger information and abbreviations. The following types of support components require VT-3 examination in accordance with the requirements of section XI.

<b>A</b>	Anchor	<b>S</b>	Support
<b>G</b>	Guide	<b>H</b>	Hanger
<b>IA</b>	Welded Attachment	<b>R</b>	Restraint (Valve)

The hanger description is depicted by the following support numbering scheme on the isometrics.

The hanger description is depicted by the following support numbering scheme on the isometrics.



### **Note:**

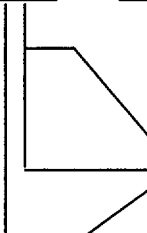
The supports depicted on the ISI sketches/ isometrics are to be used for information only as the location, type of support and existences have not been verified against as-built configurations.

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DATE:  
REVISION:

PAGE:

## SALEM GENERATING STATION UNIT 1 INSERVICE INSPECTION LONG TERM PLAN CLASS 1 COMPONENTS

YEAR	INSPECTION INTERVAL				PLAN STATUS						PRESERVICE
					FIRST PERIOD		SECOND PERIOD		THIRD PERIOD		
<u>RESIDUAL HEAT REMOVAL SYSTEM</u>											
<u>SUMMARY NUMBER</u>	<u>EXAMINATION AREA IDENTIFICATION</u>	<u>ASME SEC. CATGY ITEM NO</u>	<u>XI NDE METH</u>	-----OUTAGE-----						<u>INSTRUCTIONS</u> <b>**CALIBRATION BLOCK**</b>	
				1 2 3	1 2 3 4	1 2 3					
				 <p style="text-align: center;">OUTAGES (See Table 16-2 for additional information)</p>						<p>The instructions/calibration block column is used to provide additional information such as limitations, amount of weld to be inspected, ultrasonic calibration blocks to be used, etc.</p>	
				<p>The Inspection Interval column is subdivided into three periods. These periods are then subdivided into 6 cycles. Within each of the cycle columns, an "X" is placed to designate the cycle each component or weld is scheduled and a "C" is placed to designate those exams which have been completed. <u>Note: See page 16-2 for additional designators.</u></p>							
				<p>The NDE method used for the inspection is listed in this column.</p>							
				<p>The ASME Section XI Item Number and Category of the inspection area listed in these columns.</p>							
<p>Each Examination Area Identification is listed here. Details of the weld ID/ System are located in Section 16.1 of this program. Also included are PSE&amp;G spool numbers and hanger numbers where appropriate.</p>											
<p>This column lists the individual weld or component reference number.</p>											

A remarks section beneath each line item that has been examined will incorporate any pertinent items from the individual IS report. For example: 12 inches of weld length examined. Limited examination due to welded support. Eighty percent of the Code required volume examined.



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- 18.2 Class 1 and 2 components selected for examination during the Second Inspection Interval to the extent practical meet the percentage requirements of Section XI, Tables IWB-2500-1 and IWC-2500-1, respectively. They will be scheduled in accordance with program "B" of Subarticle IWB and IWC-2400.
- 18.3 Guidelines for weld selection in piping systems (Category B-J for Class 1, C-F-2 for Class 2) are listed in Table 18-1.

### **EXAMINATION SELECTION CRITERIA**

#### **CLASS 1 EXAMINATION SELECTION CRITERIA**

Selection of components for examination during the Third Inspection Interval is based the requirements of IWB-2500 from the 1995 Edition of Section XI, including the 1996 Addenda, with the exception of Class 1 piping.

The selection criteria for Class 1 piping is determined by the requirements of Section XI, Table IWB-2500, and Table IWB-2600 of the 1974 Edition, including the Addenda through Summer 1975, as permitted by 10CFR 50.55a(b)(2)(ii).

Refer to Section 4.0 for a description of specific examination selection criteria listed by Examination Category and Item Number. Class 1 components and applicable welds selected are listed in Appendix F.

#### **NOTE:**

The piping at Salem Unit 1 was designed to ANSI B31.1 therefore information on stress intensity range and usage factors are not available. As a result PSE&G cannot make weld selections strictly in accordance with the requirements of Table IWB-2500-1, Category B-J, Note (1)(b). However, selections were initially made from High Stress areas, such as terminal ends. This assures that welds most susceptible to failure are selected. This selection methodology meets the intent of Category B-J, Note (1)(b). Also the selection of alternate welds due to examination limitations will be considered only for welds selected in accordance with Note (1)(d) of Category B-J, Table IWB-2500-1.

The RPV examinations will be performed in accordance with Appendix VIII or RPV examinations still invoking the guidance from the Alternate Method of Regulatory Guide 1.1150, Revision 1.

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## **CLASS 2 EXAMINATION SELECTION CRITERIA**

Selection of components for examination during the Third Inspection Interval is based on the requirements of IWC-2500 from the 1995 Edition of Section XI, including the 1996 Addenda.

The selection of Class 2 piping welds was based on the requirements of Examination Categories C-F-1 and C-F-2. The population used for the total weld count includes all welds on lines not exempted by the criteria of paragraph IWC-1220. The selection is then based on the 7.5% sampling criteria as detailed within Notes 2 of Examination Categories C-F-1 and C-F-2.

Refer to section 10.0 for details of the augmented examination commitment for examination of Containment Spray piping.

Refer to Section 5.0 for a description of specific examination selection criteria listed by Examination Category and Item Number. Class 2 components and applicable welds selected are listed in Appendix G.

## **CLASS 3 EXAMINATION SELECTION CRITERIA**

Selection of components for examination during the Third Inspection Interval is based on the requirements of IWC-2500 from the 1995 Edition of Section XI, including the 1996 Addenda.

Refer to Section 6.0 for a description of specific examination selection criteria listed by Examination Category and Item Number. Class 3 components and applicable welded attachments selected are listed in Appendix H.

## **IWF SUPPORT EXAMINATION SELECTION CRITERIA**

Selection of component supports for examination during the Third Inspection Interval is based on the requirements of IWF-2500 from the 1995 Edition of Section XI, including the 1996 Addenda.

Section 14.0 contains Relief Request S1-RR-F01 which identifies that the snubbers on Nuclear Class 1, 2, and 3 components will be examined and functionally tested in accordance with the Salem Generating Station, Unit 1 Technical Specifications.

Refer to Section 8.0 for a description of specific examination selection criteria listed by Examination Category and Item Number.

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## **IWE EXAMINATION SELECTION CRITERIA**

Selection of components for examination during the Third Inspection Interval is based on the requirements of IWE-2500 from the 1998 Edition of Section XI, including the 1998 Addenda.

Refer to Section 7.0 for a description of specific examination selection criteria listed by Examination Category and Item Number. Class MC components selected are listed in Appendix L.

## **IWL EXAMINATION SELECTION CRITERIA**

Selection of components for examination during the Third Inspection Interval is based on the requirements of IWL-2500 from the 1998 Edition of Section XI, including the 1998 Addenda.

Refer to Section 9.0 for a description of specific examination selection criteria listed by Examination Category and Item Number. Class CC components selected are listed in Appendix M.

## **Outage History**

Table 18-1 lists the refueling outage history for Salem Unit 1 and the corresponding WINISI database outage number. This information is helpful when determining outage duration and corresponding outage number.

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**TABLE 18-1  
Outage History**

Refueling Outage Number	INTERVAL / PERIOD / OUTAGE			ISI FINAL REFUELING OUTAGE REPORT DATE DESCRIPTIONS	Refueling Outage NDE VENDOR
	I	P	O		
Preservice					Southwest Research Institute
1	1	1	1	1979-1980	Southwest Research Institute
2	1	1	2	9/20/80- 12/25/80	Southwest Research Institute
3	1	2	1	12/82- 4/19/82	Southwest Research Institute
4	1	2	2	10/16/82- 5/21/83	Southwest Research Institute
5	1	2	3	2/24/84- 10/23/84	Southwest Research Institute
6	1	3	1	3/22/86- 5/9/86	Southwest Research Institute
7	1	3	2	10/3/87- 2/27/88	Southwest Research Institute
8	2	1	1	3/28/89- 6/18/89	Southwest Research Institute
9	2	1	2	2/2/91-4/26/91	Southwest Research Institute
10	2	2	1	4/4/92- 8/17/92	Southwest Research Institute
11	2	2	2	10/2/93- 2/2/94	Southwest Research Institute
12 (Includes 36 mos. & 10 days extended shutdown from 4/7/95 thru 4/17/98)	2	2	3	4/7/95- 4/17/98	Southwest Research Institute Magnaflux Quality Services MQS Virginia Corporation of Richmond (VCR) AEA Technology Engineering Services (AEA)
13 (38 day RFO)	2	3	1	9/17/99- 10/26/99	Framatome Technologies
14 (43 day RFO)	2	3	2	4/6/01- 5/19/01	Framatome Technologies
15	3	1	1	10/12/02- 11/19/02	Framatome ANP
16	3	1	2	Spring 2004	
17	3	2	1	Fall 2005	
18	3	2	2	Spring 2007	
19	3	2	3	Fall 2008	
20	3	3	1	Spring 2010	
21	3	3	2	Fall 2011	
22	4	1	1	Spring 2013	
23	4	1	2	Fall 2014	
24	4	2	1	Spring 2016	
25	4	2	2	Fall 2017	
26	4	2	3	Spring 2019	
27	4	3	1	Fall 2020	
28	4	3	2	Spring 2022	

# APPENDIX A

## Inservice Inspection Program Boundary Basis Table

**APPENDIX A**  
**Salem Unit 1 Third Interval**  
**ISI Program Long Term Plan**  
**Boundary Table**

Line Number On ISO & P&ID	ISI Line Number In Long Term Plan	ISI Sketch Number	P&ID Number	SIZE	CLASS	Piping Spec GROUP	EXEMPT From NDE	Basis For Exemption	Exam Type	COMMENTS	Date Verified To Boundary Drawing
1AF-1000			205236	10	3	54-A	NO		VT-1	Change from prev. interval, Req'd. for ECCS	03/20/2001
1AF-1004			205236	8	3	54-A	NO		VT-1	Change from prev. interval, Req'd. for ECCS	03/20/2001
1AF-1009			205236	6	3	54-A	NO		VT-1	Change from prev. interval, Req'd. for ECCS	04/02/2001
1AF-1012			205236	6	3	54-A	NO		VT-1	Change from prev. interval, Req'd. for ECCS	03/20/2001
1AF-1030			205236	4	3	54-D	NO		VT-1		03/20/2001
1AF-1032			205236	1	3	54-D	YES	IWD-1220(b)(1)		Change from prev. interval	04/02/2001
1AF-1035			205236	2	3	54-D	NO		VT-1		03/20/2001
1AF-1037			205236	4	3	54-D	NO		VT-1		03/20/2001
1AF-1039			205236	4	3	54-D	NO		VT-1		04/02/2001
1AF-1044			205236	4	3	54-D	NO		VT-1		04/02/2001
1AF-1046			205236	6	3	54-D	NO		VT-1		04/02/2001
1AF-1048			205236	4	3	54-D	NO		VT-1		03/20/2001
1AF-1049			205236	4	3	54-D	NO		VT-1		03/20/2001
1AF-1050			205236	4	3	54-D	NO		VT-1		04/02/2001
1AF-1051			205236	4	3	54-D	NO		VT-1		04/02/2001
1AF-1052			205236	2.5	3	54-D	NO		VT-1		04/02/2001
1AF-1053			205236	4	3	54-E	NO		VT-1		03/20/2001
1AF-1061			205236	4	3	54-E	NO		VT-1		03/20/2001
1AF-1063			205236	4	3	54-E	NO		VT-1		03/20/2001
1AF-1065			205236	4	3	54-E	NO		VT-1		03/20/2001
1AF-1073			205236	2	3	54-D	NO		VT-1		04/02/2001

**APPENDIX A**  
**Salem Unit 1 Third Interval**  
**ISI Program Long Term Plan**  
**Boundary Table**

Line Number On ISO & P&ID	ISI Line Number In Long Term Plan	ISI Sketch Number	P&ID Number	SIZE	CLASS	Piping Spec GROUP	EXEMPT From NDE	Basis For Exemption	Exam Type	COMMENTS	Date Verified To Boundary Drawing
1AF-1075			205236	4	3	54-E	NO		VT-1		04/02/2001
1AF-1077			205236	4	3	54-E	NO		VT-1		04/02/2001
1AF-1089			205236	4	3	54-E	NO		VT-1		04/02/2001
1AF-1097			205236	2	3	54-C	NO		VT-1		04/02/2001
1AF-1098			205236	2.5	3	54-C	NO		VT-1		04/02/2001
1AF-1099			205236	4	3	54-C	NO		VT-1		03/20/2001
1AF-1100			205236	1	3	54-C	YES	IWD-1220(b)(1)		Change from prev. interval	04/02/2001
1AF-1101			205236	.75	3	54-C	YES	IWD-1220(b)(1)		Change from prev. interval	04/02/2001
1AF-1102			205236	.75	3	54-C	YES	IWD-1220(b)(1)		Change from prev. interval	04/02/2001
1AF-1103			205236	.5	3	54-C	YES	IWD-1220(b)(1)		Change from prev. interval	04/02/2001
1AF-1104			205236	.5	3	54-C	YES	IWD-1220(b)(1)		Change from prev. interval	04/02/2001
1AF-1105			205236	.75	3	54-C	YES	IWD-1220(b)(1)		Change from prev. interval	04/02/2001
1AF-1106			205236	.75	3	54-C	YES	IWD-1220(b)(1)		Change from prev. interval	04/02/2001
1AF-1107			205236	.5	3	54-C	YES	IWD-1220(b)(1)		Change from prev. interval	04/02/2001
1AF-1108			205236	.75	3	54-C	YES	IWD-1220(b)(1)		Change from prev. interval	04/02/2001
1AF-1109			205236	1	3	54-C	YES	IWD-1220(b)(1)		Change from prev. interval	04/02/2001
1AF-1110			205236	.5	3	54-C	YES	IWD-1220(b)(1)		Change from prev. interval	04/02/2001
1AF-1111			205236	.75	3	54-C	YES	IWD-1220(b)(1)		Change from prev. interval	04/02/2001

**APPENDIX A**  
**Salem Unit 1 Third Interval**  
**ISI Program Long Term Plan**  
**Boundary Table**

Line Number On ISO & P&ID	ISI Line Number In Long Term Plan	ISI Sketch Number	P&ID Number	SIZE	CLASS	Piping Spec GROUP	EXEMPT From NDE	Basis For Exemption	Exam Type	COMMENTS	Date Verified To Boundary Drawing
1AF-1113			205236	1.5	3	54-C	NO		VT-1		04/02/2001
1AF-1115			205236	2	3	54-C	NO		VT-1		04/02/2001
1AF-1116			205236	2	3	54-C	NO		VT-1		03/20/2001
1AF-1120			205236	3	3	54-A	NO		VT-1		03/20/2001
1AF-1124			205236	1.5	3	54-A	NO		VT-1		03/20/2001
1AF-1125			205236	3	3	54-C	NO		VT-1		03/20/2001
1AF-1128			205236	1	3	54-C	YES	IWD-1220(b)(1)		Change from prev. interval	04/02/2001
1AF-1129			205236	.75	3	54-C	YES	IWD-1220(b)(1)		Change from prev. interval	04/02/2001
1AF-1131			205236	3	3	54-C	NO		VT-1		03/20/2001
1AF-1133			205236	6	3	54-C	NO		VT-1	Change from prev. interval, Req'd. for ECCS	03/20/2001
1AF-1133			205246	6	3	54-C	NO		VT-1	Change from prev. interval, Req'd. for ECCS	03/08/2001
1AF-1135			205236	8	3	54-C	NO		VT-1	Change from prev. interval, Req'd. for ECCS	04/02/2001
1AF-1136			205236	8	3	54-C	NO		VT-1	Change from prev. interval, Req'd. for ECCS	04/02/2001
1AF-1137			205236	6	3	54-C	NO		VT-1	Change from prev. interval, Req'd. for ECCS	04/02/2001
1AF-1139			205236	2	3	54-C	NO		VT-1		04/02/2001
1AF-1140			205236	2.5	3	54-C	NO		VT-1		04/02/2001
1AF-1142			205236	16	3	54-A	NO		VT-1	Change from prev. interval, Req'd. for ECCS	03/16/2001
1AF-1143			205236	12	3	54-A	NO		VT-1	Change from prev. interval, Req'd. for ECCS	03/16/2001

**Salem Unit 1 ISI PROGRAM LTP**  
**3rd INTERVAL**

**A- 4**

**REV. 0**  
**CHG. 0**



**APPENDIX A**  
**Salem Unit 1 Third Interval**  
**ISI Program Long Term Plan**  
**Boundary Table**

Line Number On ISO & P&ID	ISI Line Number In Long Term Plan	ISI Sketch Number	P&ID Number	SIZE	CLASS	Piping Spec GROUP	EXEMPT From NDE	Basis For Exemption	Exam Type	COMMENTS	Date Verified To Boundary Drawing
1AF-1145			205236	16	3	54-A	NO		VT-1	Change from prev. interval, Req'd. for ECCS	03/16/2001
1AF-1146			205236	12	3	54-A	NO		VT-1	Change from prev. interval, Req'd. for ECCS	03/16/2001
1AF-1147			205236	10	3	54-A	NO		VT-1	Change from prev. interval, Req'd. for ECCS	03/16/2001
1AF-1148			205236	8	3	54-A	NO		VT-1	Change from prev. interval, Req'd. for ECCS	03/20/2001
1AF-1149			205236	2	3	54-A	NO		VT-1		03/16/2001
1AF-1150			205236	.75	3	54-A	YES	IWD-1220(b)(1)		Change from prev. interval	04/02/2001
1AF-1152			205236	.75	3	54-A	YES	IWD-1220(b)(1)		Change from prev. interval	04/02/2001
1AF-1154			205236	1	3	54-A	YES	IWD-1220(b)(1)		Change from prev. interval	04/02/2001
1AF-1155			205236	8	3	54-A	NO		VT-1	Change from prev. interval, Req'd. for ECCS	03/16/2001
1AF-1156			205236	2	3	54-A	NO		VT-1		03/16/2001
1AF-1157			205236	6	3	54-A	NO		VT-1	Change from prev. interval, Req'd. for ECCS	03/16/2001
1AF-1158			205236	1	3	54-A	YES	IWD-1220(b)(1)		Change from prev. interval	04/02/2001
1AF-1159			205236	6	3	54-A	NO		VT-1	Change from prev. interval, Req'd. for ECCS	03/20/2001
1AF-1160			205236	1	3	54-A	YES	IWD-1220(b)(1)		Change from prev. interval	04/02/2001
1AF-1163			205236	4	3	54-E	NO		VT-1		04/02/2001

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Line Number On ISO & P&ID	ISI Line Number In Long Term Plan	ISI Sketch Number	P&ID Number	SIZE	CLASS	Piping Spec GROUP	EXEMPT From NDE	Basis For Exemption	Exam Type	COMMENTS	Date Verified To Boundary Drawing
1AF-1169			205236	2	3	54-D	NO		VT-1		04/02/2001
1AF-1170			205236	2	3	54-C	NO		VT-1		04/02/2001
1AF-1172			205236	3	3	54-E	NO		VT-1		03/20/2001
1AF-1173			205236	6	3	54-A	NO		VT-1	Change from prev. interval, Req'd. for ECCS	04/02/2001
1BF-1001	14-BF-2111	B-013	205202-03	14	2	16-A	NO		SUR/VOL		04/02/2001
1BF-1002			205236	4	2	16-A	YES	IWC-1222(a)		This line is between AFW & 14" BF lines.	04/02/2001
1BF-1002			205202-03	4	2	16-A	YES	IWC-1222(a)		This line is between AFW & 14" BF lines.	04/02/2001
1BF-1016	14-BF-2121	B-012	205202-03	14	2	16-A	NO		SUR/VOL		04/02/2001
1BF-1017			205236	4	2	16-A	YES	IWC-1222(a)		This line is between AFW & 14" BF lines.	04/02/2001
1BF-1017			205202-03	4	2	16-A	YES	IWC-1222(a)		This line is between AFW & 14" BF lines.	04/02/2001
1BF-1029	14-BF-2131	B-011	205202-03	14	2	16-A	NO		SUR/VOL		04/02/2001
1BF-1030			205236	4	2	16-A	YES	IWC-1222(a)		This line is between AFW & 14" BF lines.	04/02/2001
1BF-1030			205202-03	4	2	16-A	YES	IWC-1222(a)		This line is between AFW & 14" BF lines.	04/02/2001
1BF-1043	14-BF-2141	B-010	205202-03	14	2	16-A	NO		SUR/VOL		04/02/2001
1BF-1044			205236	4	2	16-A	YES	IWC-1222(a)		This line is between AFW & 14" BF lines.	04/02/2001
1BF-1044			205202-03	4	2	16-A	YES	IWC-1222(a)		This line is between AFW & 14" BF lines.	04/02/2001

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Line Number On ISO & P&ID	ISI Line Number In Long Term Plan	ISI Sketch Number	P&ID Number	SIZE	CLASS	Piping Spec GROUP	EXEMPT From NDE	Basis For Exemption	Exam Type	COMMENTS	Date Verified To Boundary Drawing
1BR-1009			205228-01	2	2	48-L	YES	IWC-1222(a)			04/02/2001
1BR-1009			205229-02	2	2	48-L	YES	IWC-1222(a)			04/16/2001
1BR-1010			205228-01	2	2	48-L	YES	IWC-1222(a)			04/02/2001
1BR-1011			205228-01	2	2	48-L	YES	IWC-1222(a)			04/02/2001
1BR-1161			205229-02	4	2	48-I	YES	IWC-1222(a)		Line added to this database.	04/16/2001
1BR-1162			205229-02	4	2	48-I	YES	IWC-1222(a)		Line added to this database.	04/16/2001
1CA-1147			205247-01	2	2	38-A	YES	IWC-1222(a)			03/08/2001
1CA-1149			205247-01	2	2	38-A	YES	IWC-1222(a)			03/08/2001
1CC-1000			205231-01	12	3	52-A	NO		VT-1		04/02/2001
1CC-1010			205231-01	12	3	52-A	NO		VT-1		04/02/2001
1CC-1019			205231-01	12	3	52-A	NO		VT-1		04/02/2001
1CC-1021			205231-01	16	3	52-A	NO		VT-1		04/02/2001
1CC-1022			205231-01	12	3	52-A	NO		VT-1		04/02/2001
1CC-1024			205231-01	12	3	52-A	NO		VT-1		04/02/2001
1CC-1045			205231-01	12	3	52-A	NO		VT-1		04/02/2001
1CC-1047			205231-01	12	3	52-A	NO		VT-1		04/02/2001
1CC-1049			205231-01	12	3	52-A	NO		VT-1		04/02/2001
1CC-1051			205231-01	16	3	52-A	NO		VT-1		04/02/2001
1CC-1066			205231-01	16	3	52-A	NO		VT-1		04/02/2001
1CC-1068			205231-01	16	3	52-A	NO		VT-1	Change from prev. interval. See IWD-1210(f).	04/02/2001
1CC-1068			205231-02	16	3	52-A	NO		VT-1	Change from prev. interval. See IWD-1210(f).	04/02/2001
1CC-1091			205231-02	6	3	52-A	NO		VT-1		04/02/2001
1CC-1091			205231-03	6	3	52-A	NO		VT-1		04/02/2001

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Line Number On ISO & P&ID	ISI Line Number In Long Term Plan	ISI Sketch Number	P&ID Number	SIZE	CLASS	Piping Spec GROUP	EXEMPT From NDE	Basis For Exemption	Exam Type	COMMENTS	Date Verified To Boundary Drawing
1CC-1092			205231-01	12	3	52-A	NO		VT-1		04/02/2001
1CC-1123			205231-01	12	3	52-A	NO		VT-1		04/02/2001
1CC-1160			205231-02	12	3	52-A	NO		VT-1		04/02/2001
1CC-1161			205231-02	8	3	52-A	NO		VT-1		04/02/2001
1CC-1162			205231-02	6	3	52-A	NO		VT-1		04/02/2001
1CC-1167			205231-02	8	3	52-A	NO		VT-1		04/02/2001
1CC-1169			205231-02	8	3	52-A	NO		VT-1		04/03/2001
1CC-1172			205231-02	6	3	52-A	NO		VT-1		04/03/2001
1CC-1178			205231-02	10	3	52-A	NO		VT-1	Change from prev. interval. See IWD- 1210(f).	04/03/2001
1CC-1181			205231-03	6	2	52-B	YES	IWC-1222(c)			04/03/2001
1CC-1183			205231-03	6	3	52-A	NO		VT-1		04/03/2001
1CC-1194			205231-02	10	3	52-A	NO		VT-1	Change from prev. interval. See IWD- 1210(f).	04/03/2001
1CC-1199			205231-02	6	3	52-A	NO		VT-1		04/03/2001
1CC-1200			205231-02	8	3	52-A	NO		VT-1		04/03/2001
1CC-1208			205231-02	6	3	52-A	NO		VT-1	Abandoned in place. Not used. However, keep in	04/03/2001
1CC-1216			205231-02	6	3	52-A	NO		VT-1	Abandoned in place. Not used. However, keep in	04/03/2001
1CC-1229			205231-02	6	3	52-A	NO		VT-1		04/03/2001
1CC-1229			205231-03	6	3	52-A	NO		VT-1		04/03/2001
1CC-1239			205231-02	6	3	52-A	NO		VT-1		04/03/2001
1CC-1254			205231-02	8	3	52-A	NO		VT-1		04/03/2001
1CC-1255			205231-02	16	3	52-A	NO		VT-1		04/03/2001
1CC-1256			205231-01	16	3	52-A	NO		VT-1		04/03/2001

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1CC-1256			205231-02	16	3	52-A	NO		VT-1		04/03/2001
1CC-1304			205231-03	4	2	52-A	YES	IWC-1222(a)			04/03/2001
1CC-1305			205231-03	3	2	52-A	YES	IWC-1222(a)			04/03/2001
1CC-1311			205231-03	3	2	52-A	YES	IWC-1222(a)			04/03/2001
1CC-1312			205231-03	4	2	52-A	YES	IWC-1222(a)			04/03/2001
1CC-1313			205231-03	6	3	52-A	NO		VT-1		04/03/2001
1CC-1399			205231-03	3	2	52-B	YES	IWC-1222(a)			04/03/2001
1CC-1409			205231-03	6	3	52-A	NO		VT-1		04/03/2001
1CC-1420			205231-03	3	2	52-D	YES	IWC-1222(a)			04/03/2001
1CC-1422			205231-03	6	2	52-B	YES	IWC-1222(c)			04/03/2001
1CC-1424			205231-02	6	3	52-A	NO		VT-1	Abandoned in place. Not used. However, keep in	04/03/2001
1CC-1448			205231-03	3	2	52-B	YES	IWC-1222(a)			04/03/2001
1CC-1479			205231-01	14	3	52-A	NO		VT-1		04/03/2001
1CC-1480			205231-01	14	3	52-A	NO		VT-1		04/03/2001
1CC-1481			205231-01	14	3	52-A	NO		VT-1		04/03/2001
1CC-1482			205231-01	14	3	52-A	NO		VT-1		04/03/2001
1CS-1000			205235	10	3	50-A	NO		VT-1		03/20/2001
1CS-1003			205235	10	3	50-A	NO		VT-1		03/20/2001
1CS-1014	N 8-CS-2114	B-066,067	205235	8	2	50-C	NO		N/A	Base Material Thickness < 3/8 In.	03/20/2001
1CS-1015			205235	8	2	50-C	YES	IWC-1221(d)			03/20/2001
1CS-1016			205235	2	2	50-C	YES	IWC-1221(a)(1)			03/20/2001
1CS-1022	N 8-CS-2122	B-065	205235	8	2	50-C	NO		N/A	Base Material Thickness < 3/8 In.	03/20/2001
1CS-1023	N 8-CS-2123	B-063,064	205235	8	2	50-C	NO		N/A	Base Material Thickness < 3/8 In.	03/20/2001
1CS-1024			205235	8	2	50-C	YES	IWC-1221(d)			03/20/2001

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1CS-1025			205235	2	2	50-C	YES	IWC-1221(a)(1)			03/20/2001
1CS-1030	N 8-CS-2130	B-062	205235	8	2	50-C	NO		N/A	Base Material Thickness < 3/8 In.	03/20/2001
1CS-1031	N 8-CS-2131	B-061	205235	8	2	50-C	NO		N/A	Base Material Thickness < 3/8 In.	03/20/2001
1CS-1032	N 8-CS-2132	B-061	205235	8	2	50-C	NO		N/A	Base Material Thickness < 3/8 In.	03/20/2001
1CS-H11A			205235	8	2	50-C	YES	IWC-1221(d)			03/20/2001
1CS-H11B			205235	8	2	50-C	YES	IWC-1221(d)			03/20/2001
1CS-H12A			205235	8	2	50-C	YES	IWC-1221(d)			03/20/2001
1CS-H12B			205235	8	2	50-C	YES	IWC-1221(d)			03/20/2001
1CV-1006			205228-02	3	2	48-F	YES	IWC-1222(a)			04/11/2001
1CV-1007			205228-02	2	2	48-F	YES	IWC-1222(a)			04/11/2001
1CV-1009			205228-02	2	2	48-F	YES	IWC-1222(a)			04/13/2001
1CV-1010			205228-02	2	2	48-F	YES	IWC-1222(a)			04/11/2001
1CV-1011			205228-02	2	2	48-F	YES	IWC-1222(a)			04/11/2001
1CV-1012			205228-02	2.5	2	48-F	YES	IWC-1222(a)			04/11/2001
1CV-1013			205228-02	2	2	48-F	YES	IWC-1222(a)			04/13/2001
1CV-1020			205228-02	2		48-B	N/A		N/A	Change from prev. interval was IWC- 1222(a)	04/11/2001
1CV-1022			205228-02	3	2	48-C	YES	IWC-1222(a)			04/11/2001
1CV-1024			205228-02	3		48-B	N/A		N/A	Change from prev. interval was IWC- 1222(a)	04/11/2001
1CV-1025			205228-02	3		48-B	N/A		N/A		04/11/2001
1CV-1028			205228-01	4	2	48-I	YES	IWC-1222(a)			04/11/2001
1CV-1029			205228-01	2	2	48-L	YES	IWC-1222(a)			04/13/2001
1CV-1033			205228-01	2	2	48-L	YES	IWC-1222(a)			04/13/2001

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1CV-1034			205228-01	2	2	48-L	YES	IWC-1222(a)			04/13/2001
1CV-1035	N 2-CV-2135	B-089	205228-02 & 03	2	2	48-A	NO		SURFACE		04/11/2001
1CV-1038			205228-02	3	2	48-I	YES	IWC-1222(a)			04/11/2001
1CV-1043			205228-02 & 03	4	2	48-I	YES	IWC-1222(a)			04/11/2001
1CV-1044			205228-01	3	2	48-I	YES	IWC-1222(a)			04/11/2001
1CV-1045			205228-01 & 02	4	2	48-J	YES	IWC-1222(a)			04/11/2001
1CV-1046			205228-01	2	2	48-J	YES	IWC-1222(a)			04/12/2001
1CV-1047			205228-01	2	2	48-L	YES	IWC-1222(a)			04/12/2001
1CV-1052			205228-01	2	2	48-L	YES	IWC-1222(a)			04/11/2001
1CV-1063	6-CV-2111	B-019	205228-02	6	2	48-J	NO		N/A	Base Material Thickness < 3/8 In.	04/11/2001
1CV-1065			205228-01	2	2	48-L	YES	IWC-1222(a)			04/12/2001
1CV-1067			205228-01	2	2	48-J	YES	IWC-1222(a)			04/12/2001
1CV-1068			205228-01	2	2	48-J	YES	IWC-1222(a)			04/12/2001
1CV-1072			205228-01	2	2	48-L	YES	IWC-1222(a)			04/12/2001
1CV-1074			205228-01	3	2	48-L	YES	IWC-1222(a)			04/12/2001
1CV-1084	8-CV-2101	B-015-017	205228-02	8	2	48-J	NO		N/A	Base Material Thickness < 3/8 In.	04/11/2001
1CV-1085	6-CV-2112	B-018	205228-02	6	2	48-J	NO		N/A	Base Material Thickness < 3/8 In.	04/11/2001
1CV-1088			205228-02	4	2	48-J	YES	IWC-1221(a)			04/11/2001
1CV-1100	N 2-CV-2100	B-090	205228-02	2	2	48-A	NO		SURFACE		04/11/2001
1CV-1109			205228-01	4	2	48-I	YES	IWC-1222(a)	N/A		04/16/2001
1CV-1109			205229-02	4	2	48-I	YES	IWC-1222(a)	N/A		04/16/2001
1CV-1114	8-CV-2101	B-015-017	205234-01 (D-1)	8	2	48-J	NO		N/A	Base Material Thickness < 3/8 In.	04/11/2001

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1CV-1135	N 2-CV-2136	B-088	205228-03	2		48-B	N/A		N/A	Prev. listed as not exempt -surface exam req'd.	04/11/2001
1CV-1138	N 2-CV-2138	B-087	205228-02 & 03	2	2	48-A	NO		SURFACE		04/11/2001
1CV-1150			205228-02	3		48-B	N/A		N/A	Change from prev. interval, was IWC-1222(a)	04/11/2001
1CV-1151	N 3-CV-2151	B-074,075	205228-02	3	2	48-A	NO		SUR/VOL		04/11/2001
1CV-1156	N 3-CV-2156	B-073	205228-02	3	2	48-A	NO		SUR/VOL		04/11/2001
1CV-1160	N 3-CV-2160	B-071,072	205228-02	3	2	48-A	NO		SUR/VOL	PORTION OF LINE TO 1CV63 IS PERMANENTLY TAGGED	04/11/2001
1CV-1161	N 2-CV-2161	B-084	205228-02	2	2	48-A	NO		SURFACE		04/11/2001
1CV-1162	N 2-CV-2162	B-083	205228-02	2	2	48-A	NO		SURFACE		04/11/2001
1CV-1163	N 3-CV-2163	B-070	205228-02	3	2	48-A	NO		SUR/VOL		04/11/2001
1CV-1164	N 2-CV-2164	B-090	205228-02	2	2	48-A	NO		SURFACE		04/11/2001
1CV-1165	N 2-CV-2165	B-082	205228-03	2		48-B	N/A		N/A	Prev. listed as not exempt -surface exam req'd.	04/11/2001
1CV-1167	N 2-CV-2167	B-090	205228-02	2	2	48-A	NO		SURFACE		04/11/2001
1CV-1194	N 2-CV-2194	B-078	205228-02 & 03	2	2	48-A	NO		SURFACE		04/11/2001



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1CV-1195	N 2-CV-2195	B-076,077	205228-03	2		48-B	N/A		N/A	Prev. listed as not exempt -surface exam req'd.	04/11/2001
1CV-1202			205228-02 & 03	4	2	48-O	YES	IWC-1222(a)			04/11/2001
1CV-1208			205228-01	4	2	48-J	YES	IWC-1221(a)			04/13/2001
1CV-1228			205228-02	2	2	48-F	YES	IWC-1222(a)			04/11/2001
1CV-1232			205228-02	2	2	48-F	YES	IWC-1222(a)			04/11/2001
1CV-1235			205228-02	2	2	48-F	YES	IWC-1222(a)			04/11/2001
1CV-1247	N 2-CV-2147	B-085,086	205228-03	2		48-B	N/A		N/A	Prev. listed as not exempt -surface exam req'd.	04/11/2001
1CV-1266	N 3-CV-2166	B-099	205228-02	3	2	48-A	NO		SURVOL		04/11/2001
1CV-1268	N 3-CV-2168	B-069	205228-02	3	2	48-A	NO		SURVOL		04/11/2001
1CV-1269	N 3-CV-2169	B-068	205228-02	3	2	48-A	NO		SURVOL		04/11/2001
1CV-1285	N 3-CV-2185	B-071,072	205228-02	3	2	48-A	NO		SURVOL		04/11/2001
1CV-1286	N 2-CV-2186	B-080	205228-02	2	2	48-A	NO		SURFACE		04/11/2001
1CV-1287	N 2-CV-2187	B-079	205228-02	2	2	48-A	NO		SURFACE		04/11/2001
1CV-1322			205228-01	2	2	48-I	YES	IWC-1222(a)			04/11/2001
1CV-1353			205228-01	2	2	48-I	YES	IWC-1222(a)			04/11/2001
1CV-1358	N 2-CV-2158	B-090	205228-02	2	2	48-A	NO		SURFACE		04/11/2001
1CV-1361			205228-01	2	2	48-I	YES	IWC-1222(a)			04/13/2001
1CV-1362			205228-01	2	2	48-I	YES	IWC-1222(a)			04/13/2001

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Line Number On ISO & P&ID	ISI Line Number In Long Term Plan	ISI Sketch Number	P&ID Number	SIZE	CLASS	Piping Spec GROUP	EXEMPT From NDE	Basis For Exemption	Exam Type	COMMENTS	Date Verified To Boundary Drawing
1CV-1365			205228-01	2	2	48-I	YES	IWC-1222(a)			04/13/2001
1CV-1366			205228-01	2	2	48-I	YES	IWC-1222(a)			04/13/2001
1CV-1370			205228-01	2	2	48-L	YES	IWC-1222(a)			04/11/2001
1CV-1373			205228-01	2	2	48-L	YES	IWC-1222(a)			04/11/2001
1CV-1374			205228-01	2	2	48-L	YES	IWC-1222(a)			04/11/2001
1CV-1375			205228-01	2	2	48-L	YES	IWC-1222(a)			04/11/2001
1CV-1378			205228-01	3	2	48-L	YES	IWC-1222(a)			04/11/2001
1CV-1379			205228-01	3	2	48-L	YES	IWC-1222(a)			04/11/2001
1CV-1380			205228-01	2	2	48-L	YES	IWC-1222(a)			04/11/2001
1CV-1381			205228-01	2	2	48-L	YES	IWC-1222(a)			04/11/2001
1CV-1383			205228-01	2	2	48-L	YES	IWC-1222(a)			04/11/2001
1CV-1384			205228-01	2	2	48-L	YES	IWC-1222(a)			04/11/2001
1CV-1385			205228-01	2	2	48-L	YES	IWC-1222(a)			04/11/2001
1CV-1386			205228-01	2	2	48-L	YES	IWC-1222(a)			04/11/2001
1CV-1387			205228-01	2	2	48-L	YES	IWC-1222(a)			04/11/2001
1CV-1389			205228-01	2	2	48-L	YES	IWC-1222(a)			04/11/2001
1CV-1393			205228-01	2	2	48-L	YES	IWC-1222(a)			04/11/2001
1CV-1394			205228-01	2	2	48-L	YES	IWC-1222(a)			04/11/2001
1CV-1397			205228-01	2	2	48-L	YES	IWC-1222(a)			04/11/2001
1CV-1406			205228-01	3	2	48-L	YES	IWC-1222(a)	N/A		06/18/2001
1CV-1410	6-CV-2101	B-020	205234-01 (E-3)	6	2	48-J	NO		N/A	VT-2 Base Material Thickness < 3/8 In.	03/12/2001
1CV-1411	6-CV-2101	B-020	205234-01 (E-5)	6	2	48-J	NO		N/A	VT-2 Base Material Thickness < 3/8 In.	03/12/2001
1CV-1412	8-CV-2101	B-015-017	205234-01 (E-3)	8	2	48-J	NO		N/A	VT-2 Base Material Thickness < 3/8 In.	03/12/2001
1CV-1455			205228-02	2.5	2	48-F	YES	IWC-1222(a)			04/11/2001
1CV-1470	N 2-SJ-2170	B-081	205228-02 & 03	2	2	48-A	NO		SURFACE		04/11/2001

# APPENDIX A

## Salem Unit 1 Third Interval ISI Program Long Term Plan Boundary Table

Line Number On ISO & P&ID	ISI Line Number In Long Term Plan	ISI Sketch Number	P&ID Number	SIZE	CLASS	Piping Spec GROUP	EXEMPT From NDE	Basis For Exemption	Exam Type	COMMENTS	Date Verified To Boundary Drawing
1CV-1476			205228-01	2	2	48-I	YES	IWC-1222(a)			04/12/2001
1CV-1479			205228-01	2	2	48-L	YES	IWC-1222(a)	N/A		06/18/2001
1CV-1481	8-CV-2101	B-015-017	205234-01	8	2	48-J	NO		N/A	Base Material Thickness < 3/8 In.	03/12/2001
1DR-1024			205246-01/02	4	2	20-A	YES	IWC-1222(a)			03/08/2001
1DR-1040			205246-01/02	1	2	20-A	YES	IWC-1222(a)		Line is 1" Dia. Prev. listed as 4"-1DR-1004	03/08/2001
1FP-1000			205222-01	4	2	27-A	YES	IWC-1222(a)			03/16/2001
1GB-1068			205225-01 & -02	2	2	59-A	YES	IWC-1222(a)			04/05/2001
1GB-1070			205225-01 & -02	2	2	59-A	YES	IWC-1222(a)			04/05/2001
1GB-1071			205225-01 & -02	2	2	59-A	YES	IWC-1222(a)			04/05/2001
1GB-1073			205225-01 & -02	2	2	59-A	YES	IWC-1222(a)			04/05/2001
1GB-1074			205225-01 & -02	2	2	59-A	YES	IWC-1222(a)			04/05/2001
1GB-1076			205225-01 & -02	2	2	59-A	YES	IWC-1222(a)			04/05/2001
1GB-1077			205225-01 & -02	2	2	59-A	YES	IWC-1222(a)			04/05/2001
1GB-1083			205225-01 & -02	2	2	59-A	YES	IWC-1222(a)			04/05/2001
1GB-1084			205225-01 & -02	2	2	59-A	YES	IWC-1222(a)			04/05/2001
1GB-1085			205225-01 & -02	2	2	59-A	YES	IWC-1222(a)			04/05/2001
1GB-1086			205225-01 & -02	2	2	59-A	YES	IWC-1222(a)			04/05/2001
1GB-1087			205225-01 & -02	2	2	59-A	YES	IWC-1222(a)			04/05/2001
1GB-1118			205225-01 & -02	3	2	59-A	YES	IWC-1222(a)			04/05/2001
1GB-1119			205225-01 & -02	3	2	59-A	YES	IWC-1222(a)			04/05/2001
1GB-1120			205225-01 & -02	3	2	59-A	YES	IWC-1222(a)			04/05/2001
1GB-1121			205225-01 & -02	3	2	59-A	YES	IWC-1222(a)			04/05/2001
1MS-1000	30-MS-2111	B-028	205203-01/06	30	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1001	32-MS-2111	B-028	205203-01/06	32	2	12-A	NO		SUR/VOL		04/05/2001

**APPENDIX A**  
**Salem Unit 1 Third Interval**  
**ISI Program Long Term Plan**  
**Boundary Table**

Line Number On ISO & P&ID	ISI Line Number In Long Term Plan	ISI Sketch Number	P&ID Number	SIZE	CLASS	Piping Spec GROUP	EXEMPT From NDE	Basis For Exemption	Exam Type	COMMENTS	Date Verified To Boundary Drawing
1MS-1002	32-MS-2111	B-028	205203-01/06	32	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1003	34-MS-2111	B-024	205203-01/06	34	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1011			205203-01/06	3	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1013	6-MS-2131	B-034,035	205203-01/06	6	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1013	6-MS-2111	B-036	205203-01/06	6	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1018			205203-01	6	3	12-C	NO		VT-1	Steam to Aux. Feedwater System	04/05/2001
1MS-1034			205203-01	8	3	12-C	NO		VT-1	Steam to Aux. Feedwater System	04/05/2001
1MS-1050	8-MS-2111	B-032	205203-01/06	8	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1051			205203-01/06	10	2	12-A	YES	IWC-1222(d)			04/05/2001
1MS-1052			205203-01/06	3	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1055	8-MS-2112	B-032	205203-01/06	8	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1056			205203-01/06	10	2	12-A	YES	IWC-1222(d)			04/05/2001
1MS-1057			205203-01/06	3	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1059	6-MS-2113	B-032	205203-01/06	8	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1060			205203-01/06	10	2	12-A	YES	IWC-1222(d)			04/05/2001
1MS-1061			205203-01/06	3	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1063			205203-01/06	2	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1063	8-MS-2114	B-032	205203-01/06	8	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1064			205203-01/06	10	2	12-A	YES	IWC-1222(d)			04/05/2001

**APPENDIX A**  
**Salem Unit 1 Third Interval**  
**ISI Program Long Term Plan**  
**Boundary Table**

Line Number On ISO & P&ID	ISI Line Number In Long Term Plan	ISI Sketch Number	P&ID Number	SIZE	CLASS	Piping Spec GROUP	EXEMPT From NDE	Basis For Exemption	Exam Type	COMMENTS	Date Verified To Boundary Drawing
1MS-1065			205203-01/06	3	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1067	8-MS-2115	B-032	205203-01/06	8	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1068			205203-01/06	10	2	12-A	YES	IWC-1222(d)			04/05/2001
1MS-1069			205203-01/06	3	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1071			205203-01/06	2	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1073	6-MS-2117	B-033	205203-01/06	6	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1074			205203-01/06	2	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1079	6-MS-2116	B-032	205203-01/06	6	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1082			205203-01/06	3	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1083			205203-01/06	2	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1084			205203-01/06	2	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1109	30-MS-2121	B-027	205203-01/06	30	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1110	32-MS-2121	B-027	205203-01/06	32	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1111	32-MS-2121	B-023 & 027	205203-01/06	32	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1112	34-MS-2121	B-023	205203-01/06	34	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1120			205203-01/06	3	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1129	8-MS-2121	B-031	205203-01/06	8	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1130			205203-01/06	10	2	12-A	YES	IWC-1222(d)			04/05/2001
1MS-1131			205203-01/06	3	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1133			205203-01/06	2	2	12-A	YES	IWC-1222(a)			04/05/2001

**APPENDIX A**  
**Salem Unit 1 Third Interval**  
**ISI Program Long Term Plan**  
**Boundary Table**

Line Number On ISO & P&ID	ISI Line Number In Long Term Plan	ISI Sketch Number	P&ID Number	SIZE	CLASS	Piping Spec GROUP	EXEMPT From NDE	Basis For Exemption	Exam Type	COMMENTS	Date Verified To Boundary Drawing
1MS-1135	8-MS-2122	B-031	205203-01/06	8	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1136			205203-01/06	10	2	12-A	YES	IWC-1222(d)			04/05/2001
1MS-1137			205203-01/06	3	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1139	8-MS-2123	B-031	205203-01/06	8	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1140			205203-01/06	10	2	12-A	YES	IWC-1222(d)			04/05/2001
1MS-1141			205203-01/06	3	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1143	8-MS-2124	B-031	205203-01/06	8	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1144			205203-01/06	10	2	12-A	YES	IWC-1222(d)			04/05/2001
1MS-1145			205203-01/06	3	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1147	8-MS-2125	B-031	205203-01/06	8	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1148			205203-01/06	10	2	12-A	YES	IWC-1222(d)			04/05/2001
1MS-1149			205203-01/06	3	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1151	6-MS-2127	B-033	205203-01/06	6	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1152			205203-01/06	2	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1153	6-MS-2126	B-031	205203-01/06	6	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1161			205203-01/06	3	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1162			205203-01/06	2	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1188	30-MS-2131	B-026	205203-01/06	30	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1189	32-MS-2131	B-026	205203-01/06	32	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1190	32-MS-2131	B-026	205203-01/06	32	2	12-A	NO		SUR/VOL		04/05/2001

**APPENDIX A**  
**Salem Unit 1 Third Interval**  
**ISI Program Long Term Plan**  
**Boundary Table**

Line Number On ISO & P&ID	ISI Line Number In Long Term Plan	ISI Sketch Number	P&ID Number	SIZE	CLASS	Piping Spec GROUP	EXEMPT From NDE	Basis For Exemption	Exam Type	COMMENTS	Date Verified To Boundary Drawing
1MS-1191	34-MS-2131	B-022	205203-01/06	34	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1199			205203-01/06	3	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1209	6-MS-2131	B-034,035	205203-01/06	6	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1210	8-MS-2131	B-030	205203-01/06	8	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1211			205203-01/06	10	2	12-A	YES	IWC-1222(d)			04/05/2001
1MS-1212			205203-01/06	3	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1214			205203-01/06	2	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1215	8-MS-2132	B-030	205203-01/06	8	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1216			205203-01/06	10	2	12-A	YES	IWC-1222(d)			04/05/2001
1MS-1217			205203-01/06	3	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1219	8-MS-2133	B-030	205203-01/06	8	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1220			205203-01/06	10	2	12-A	YES	IWC-1222(d)			04/05/2001
1MS-1221			205203-01/06	3	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1223	8-MS-2134	B-030	205203-01/06	8	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1224			205203-01/06	10	2	12-A	YES	IWC-1222(d)			04/05/2001
1MS-1225			205203-01/06	3	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1227	8-MS-2135	B-030	205203-01/06	8	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1228			205203-01/06	10	2	12-A	YES	IWC-1222(d)			04/05/2001
1MS-1229			205203-01/06	3	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1231			205203-01/06	2	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1233	6-MS-2137	B-033	205203-01/06	6	2	12-A	NO		SUR/VOL		04/05/2001

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## Salem Unit 1 Third Interval ISI Program Long Term Plan Boundary Table

Line Number On ISO & P&ID	ISI Line Number In Long Term Plan	ISI Sketch Number	P&ID Number	SIZE	CLASS	Piping Spec GROUP	EXEMPT From NDE	Basis For Exemption	Exam Type	COMMENTS	Date Verified To Boundary Drawing
1MS-1234			205203-01/06	2	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1235	6-MS-2136	B-030	205203-01/06	6	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1240			205203-01/06	3	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1241			205203-01/06	2	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1242			205203-01/06	2	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1266	30-MS-2141	B-025	205203-01/06	30	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1267	32-MS-2141	B-025	205203-01/06	32	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1268	32-MS-2141	B-025	205203-01/06	32	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1269	34-MS-2141	B-021	205203-01/06	34	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1277			205203-01/06	3	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1287	8-MS-2141	B-029	205203-01/06	8	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1288			205203-01/06	10	2	12-A	YES	IWC-1222(d)			04/05/2001
1MS-1289			205203-01/06	3	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1291			205203-01/06	2	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1292	8-MS-2142	B-029	205203-01/06	8	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1293			205203-01/06	10	2	12-A	YES	IWC-1222(d)			04/05/2001
1MS-1294			205203-01/06	3	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1296	8-MS-2143	B-029	205203-01/06	8	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1297			205203-01/06	10	2	12-A	YES	IWC-1222(d)			04/05/2001
1MS-1298			205203-01/06	3	2	12-A	YES	IWC-1222(a)			04/05/2001



**APPENDIX A**  
**Salem Unit 1 Third Interval**  
**ISI Program Long Term Plan**  
**Boundary Table**

Line Number On ISO & P&ID	ISI Line Number In Long Term Plan	ISI Sketch Number	P&ID Number	SIZE	CLASS	Piping Spec GROUP	EXEMPT From NDE	Basis For Exemption	Exam Type	COMMENTS	Date Verified To Boundary Drawing
1MS-1300	8-MS-2144	B-029	205203-01/06	8	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1301			205203-01/06	10	2	12-A	YES	IWC-1222(d)			04/05/2001
1MS-1302			205203-01/06	3	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1304	8-MS-2145	B-029	205203-01/06	8	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1304	8-MS-2145	B-029	205203-01/06	8	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1305			205203-01/06	10	2	12-A	YES	IWC-1222(d)			04/05/2001
1MS-1306			205203-01/06	3	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1308			205203-01/06	2	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1310	6-MS-2147	B-033	205203-01/06	6	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1311			205203-01/06	2	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1313	6-MS-2146	B-029	205203-01/06	6	2	12-A	NO		SUR/VOL		04/05/2001
1MS-1318			205203-01/06	3	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1319			205203-01/06	2	2	12-A	YES	IWC-1222(a)			04/05/2001
1MS-1320			205203-01/06	2	2	12-A	YES	IWC-1222(a)			04/05/2001
1PR-1000	12-PR-2101	B-037,038	205201-01	12	2	44-C	NO		SUR/VOL		03/30/2001
1PR-1001			205201-01	2	2	44-C	YES	IWC-1222(a)			03/30/2001
1PR-1002	6-PR-2104	B-040	205201-01	6	2	44-C	NO		N/A	Base Material Thickness < 3/8 In.	03/30/2001
1PR-1004	6-PR-2103	B-041	205201-01	6	2	44-C	NO		N/A	Base Material Thickness < 3/8 In.	03/30/2001
1PR-1005	6-PR-2105	B-039	205201-01	6	2	44-C	NO		N/A	Base Material Thickness < 3/8 In.	03/30/2001

# APPENDIX A

## Salem Unit 1 Third Interval ISI Program Long Term Plan Boundary Table

Line Number On ISO & P&ID	ISI Line Number In Long Term Plan	ISI Sketch Number	P&ID Number	SIZE	CLASS	Piping Spec GROUP	EXEMPT From NDE	Basis For Exemption	Exam Type	COMMENTS	Date Verified To Boundary Drawing
1PR-1006			205201-01	3	2	44-C	YES	IWC-1222(a)			03/30/2001
1PR-1007	6-PR-2101	B-043	205201-01	6	2	44-C	NO		N/A	Base Material Thickness < 3/8 In.	03/30/2001
1PR-1007	6-PR-2102	B-042	205201-01	6	2	44-C	NO		N/A	Base Material Thickness < 3/8 In.	03/30/2001
1PR-1008			205201-01	3	2	44-C	YES	IWC-1222(a)			03/30/2001
1PR-1010			205201-01	4	2	44-D	YES	IWC-1222(a)			03/30/2001
1PR-1011	N 6-PR-2111	B-107	205201-01	6	2	44-D	NO		N/A	Base Material Thickness < 3/8 In.	03/30/2001
1PR-1012			205201-01	4	2	44-D	YES	IWC-1222(a)			03/30/2001
1PR-1018			205201-01	3	2	44-D	YES	IWC-1222(a)			03/15/2001
1PR-1018			205234-03	3	2	44-D	YES	IWC-1221(a)			03/15/2001
1PR-1019			205201-01	3	2	44-D	YES	IWC-1222(a)			03/30/2001
1PR-1019			205234-03	3	2	44-D	YES	IWC-1221(a)			03/30/2001
1PR-1029			205228-03	3	2	44-D	YES	IWC-1222(a)			03/30/2001
1PR-1029			205201-01	3	2	44-D	YES	IWC-1222(a)			03/30/2001
1PR-1030			205201-01	4	2	44-D	YES	IWC-1222(a)			04/05/2001
1PR-1030			205232-02	4	2	44-D	YES	IWC-1221(a)			04/05/2001
1PR-1031			205228-02	3	2	44-D	YES	IWC-1222(a)			04/05/2001
1PR-1031			205201-01	3	2	44-D	YES	IWC-1222(a)			04/05/2001
1PR-1048			205201-01	3	2	44-D	YES	IWC-1222(a)			04/05/2001
1PR-1049			205201-01	4	2	44-D	YES	IWC-1222(a)			04/05/2001
1PR-1050			205201-01	2	2	44-D	YES	IWC-1222(a)			04/05/2001
1PR-1053			205201-01	2	2	44-D	YES	IWC-1222(a)			04/05/2001
1PS-1000	4-PR-1100	A-016	205201-01	4	1	44-B	NO		SUR/VOL		03/30/2001
1PS-1001	3-PS-1106	A-017	205201-01	3	1	44-B	NO		SURFACE		03/30/2001

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Line Number On ISO & P&ID	ISI Line Number In Long Term Plan	ISI Sketch Number	P&ID Number	SIZE	CLASS	Piping Spec GROUP	EXEMPT From NDE	Basis For Exemption	Exam Type	COMMENTS	Date Verified To Boundary Drawing
1PS-1005	3-PS-1107	A-016	205201-01	3	1	44-B	NO		SURFACE		03/30/2001
1PS-1006	6-PR-1103	A-015	205201-01	6	1	44-B	NO		SUR/VOL		03/30/2001
1PS-1010	6-PR-1104	A-014	205201-01	6	1	44-B	NO		SUR/VOL		03/30/2001
1PS-1011	1.5-PR-1105	A-013	205201-01	1.5	1	44-B	NO		SURFACE		03/30/2001
1PS-1013	6-PR-1105	A-013	205201-01	6	1	44-B	NO		SUR/VOL		03/30/2001
1PS-1014	1.5-PR-1104	A-014	205201-01	1.5	1	44-B	NO		SURFACE		03/30/2001
1RC-1000	29-RC-1110	A-030	205201-02	29	1	44-A	NO		SUR/VOL		03/30/2001
1RC-1002	14-RH-1111	A-052	205201-02	14	1	44-A	NO		SUR/VOL		03/30/2001
1RC-1002	14-RH-1111	A-052	205232-02	14	1	44-A	NO		SUR/VOL		03/30/2001
1RC-1003	6-SJ-1111	A-071	205201-02	6	1	44-A	NO		SUR/VOL		03/15/2001
1RC-1003	6-SJ-1111	A-071	205234-03	6	1	44-A	NO		SUR/VOL		03/15/2001
1RC-1012	3-RC-1113	A-026		3	1		NO		SUR/VOL	MOST OF LINE REMOVED IN 1989 - DCP 1EC-223	
1RC-1016	31-RC-1110	A-026	205201-02	31	1	44-A	NO		SUR/VOL		03/30/2001
1RC-1019	2-RC-1111	A-047	205201-02	2	1	44-A	NO		SURFACE		03/30/2001
1RC-1022	27.5-RC-1110	A-034	205201-02	27.5	1	44-A	NO		SUR/VOL		03/30/2001

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Line Number On ISO & P&ID	ISI Line Number In Long Term Plan	ISI Sketch Number	P&ID Number	SIZE	CLASS	Piping Spec GROUP	EXEMPT From NDE	Basis For Exemption	Exam Type	COMMENTS	Date Verified To Boundary Drawing
1RC-1023	1.5-SJ-1112	A-096,097	205201-02	1.5	1	44-A	NO		SURFACE		03/12/2001
1RC-1023	1.5-SJ-1112	A-096,097	205234-01TO -04	1.5	1	44-A	NO		SURFACE		03/12/2001
1RC-1024	10-SJ-1111	A-057	205201-02	10	1	44-A	NO		SURVOL		03/19/2001
1RC-1024	10-SJ-1111	A-057	205234-04	10	1	44-A	NO		SURVOL		03/19/2001
1RC-1029	27.5-RC-1120	A-033	205201-03	27.5	1	44-A	NO		SURVOL		03/30/2001
1RC-1031	10-SJ-1121	A-056	205201-03	10	1	44-A	NO		SURVOL		03/19/2001
1RC-1031	10-SJ-1121	A-056	205234-04	10	1	44-A	NO		SURVOL		03/19/2001
1RC-1032	1.5-SJ-1122	A-094,095	205201-03	1.5	1	44-A	NO		SURFACE		03/12/2001
1RC-1032	1.5-SJ-1122	A-094,095	205234-01TO -04	1.5	1	44-A	NO		SURFACE		03/12/2001
1RC-1035	29-RC-1120	A-029	205201-03	29	1	44-A	NO		SURVOL		03/30/2001
1RC-1036	6-SJ-1121	A-069	205201-03	6	1	44-A	NO		SURVOL		03/15/2001
1RC-1036	6-SJ-1121	A-069	205234-03	6	1	44-A	NO		SURVOL		03/15/2001

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Line Number On ISO & P&ID	ISI Line Number In Long Term Plan	ISI Sketch Number	P&ID Number	SIZE	CLASS	Piping Spec GROUP	EXEMPT From NDE	Basis For Exemption	Exam Type	COMMENTS	Date Verified To Boundary Drawing
1RC-1043	3-RC-1123	A-025		3	1		NO		SUR/VOL	MOST OF LINE REMOVED IN 1989 - DCP 1EC-2230	
1RC-1048	31-RC-1120	A-025	205201-03	31	1	44-A	NO		SUR/VOL		03/30/2001
1RC-1051	2-RC-1121	A-047	205201-03	2	1	44-A	NO		SURFACE		03/30/2001
1RC-1056	29-RC-1130	A-028	205201-02	29	1	44-A	NO		SUR/VOL		03/30/2001
1RC-1062	6-SJ-1131	A-067	205201-02	6	1	44-A	NO		SUR/VOL		03/15/2001
1RC-1062	6-SJ-1131	A-067	205234-03	6	1	44-A	NO		SUR/VOL		03/15/2001
1RC-1065	3-RC-1133	A-024		3	1		NO		SUR/VOL	MOST OF LINE REMOVED IN 1989 - DCP 1EC-2230	
1RC-1067	3-CV-1143	A-008	205201-03	3	1	44-A	NO		SURFACE		03/30/2001
1RC-1070	2-RC-1141	A-047	205201-03	2	1	44-A	NO		SURFACE		03/30/2001
1RC-1071	27.5-RC-1130	A-032	205201-02	27.5	1	44-A	NO		SUR/VOL		03/30/2001
1RC-1075	10-SJ-1131	A-055	205201-02	10	1	44-A	NO		SUR/VOL		03/19/2001
1RC-1075	10-SJ-1131	A-055	205234-04	10	1	44-A	NO		SUR/VOL		03/19/2001
1RC-1077	3-CV-1133	A-010	205228-02	3	1	44-A	NO		SURFACE		03/30/2001
1RC-1077	3-CV-1133	A-010	205201-02	3	1	44-A	NO		SURFACE		03/30/2001

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Line Number On ISO & P&ID	ISI Line Number In Long Term Plan	ISI Sketch Number	P&ID Number	SIZE	CLASS	Piping Spec GROUP	EXEMPT From NDE	Basis For Exemption	Exam Type	COMMENTS	Date Verified To Boundary Drawing
1RC-1078	1.5-SJ-1132	A-092,093	205201-02	1.5	1	44-A	NO		SURFACE		03/12/2001
1RC-1078	1.5-SJ-1132	A-092,093	205234-01TO -04	1.5	1	44-A	NO		SURFACE		03/12/2001
1RC-1079	31-RC-1130	A-024	205201-02	31	1	44-A	NO		SUR/VOL		03/30/2001
1RC-1082	2-RC-1131	A-047	205201-02	2	1	44-A	NO		SURFACE		03/30/2001
1RC-1086	27.5-RC-1140	A-031	205201-03	27.5	1	44-A	NO		SUR/VOL		03/30/2001
1RC-1090	10-SJ-1141	A-054	205201-03	10	1	44-A	NO		SUR/VOL		03/19/2001
1RC-1090	10-SJ-1141	A-054	205234-04	10	1	44-A	NO		SUR/VOL		03/19/2001
1RC-1091	3-CV-1175	A-011,012	205228-02	3	1	44-A	NO		SURFACE		03/30/2001
1RC-1091	3-CV-1141	A-009	205201-03	3	1	44-A	NO		SURFACE		03/30/2001
1RC-1092	1.5-SJ-1142	A-089-091	205201-03	1.5	1	44-A	NO		SURFACE		03/12/2001
1RC-1092	1.5-SJ-1142	A-089-091	205234-01TO -04	1.5	1	44-A	NO		SURFACE		03/12/2001
1RC-1093	29-RC-1140	A-027	205201-03	29	1	44-A	NO		SUR/VOL		03/30/2001
1RC-1094	6-SJ-1141	A-065	205201-03	6	1	44-A	NO		SUR/VOL		03/15/2001
1RC-1094	6-SJ-1141	A-065	205234-03	6	1	44-A	NO		SUR/VOL		03/15/2001
1RC-1101	3-RC-1143	A-023		3	1		NO		SUR/VOL	MOST OF LINE REMOVED IN 1989 - DCP 1EC-2230	

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Line Number On ISO & P&ID	ISI Line Number In Long Term Plan	ISI Sketch Number	P&ID Number	SIZE	CLASS	Piping Spec GROUP	EXEMPT From NDE	Basis For Exemption	Exam Type	COMMENTS	Date Verified To Boundary Drawing
1RC-1104	31-RC-1140	A-023	205201-03	31	1	44-A	NO		SUR/VOL		03/30/2001
1RC-1105	12-CV-1143	A-008	205201-03	12	1	44-A	NO		SUR/VOL		03/30/2001
1RC-1106	3-CV-1133	A-010	205228-02	3	1	44-A	NO		SURFACE		03/30/2001
1RC-1106	3-CV-1143	A-008	205201-03	3	1	44-A	NO		SURFACE		03/30/2001
1RC-1109	12-SJ-1151	A-053	205232-01 & -02	12	1	44-A	NO		SUR/VOL		03/09/2001
1RC-1120	4-SJ-1172	A-075	205234-02 & 03	4	1	44-A	NO		SUR/VOL		03/12/2001
1RC-1143	3-SJ-1192	A-072	205234-01	3	1	44-A	NO		SURFACE		03/12/2001
1RC-1144	4-SJ-1193	A-072	205234-01	4	1	44-A	NO		SUR/VOL		03/12/2001
1RC-1149	4-SJ-1195	A-072	205234-01	4	1	44-A	NO		SUR/VOL		03/12/2001
1RC-1176	2-SJ-1118	A-087,088	205234-03	2	1	44-A	NO		SURFACE		03/15/2001
1RC-1181	4-SJ-1182	A-074	205234-02 & 03	4	1	44-A	NO		SUR/VOL		03/12/2001
1RC-1190	6-SJ-1142	A-064	205234-04	6	1	44-A	NO		SUR/VOL		03/15/2001
1RC-1191	8-SJ-1162	A-058,059	205234-03 & 04	8	1	44-A	NO		SUR/VOL		03/15/2001
1RC-1192	2-SJ-1149	A-076,077	205234-04	2	1	44-A	NO		SURFACE		03/19/2001
1RC-1193	6-SJ-1122	A-068	205234-04	6	1	44-A	NO		SUR/VOL		03/19/2001

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Line Number On ISO & P&ID	ISI Line Number In Long Term Plan	ISI Sketch Number	P&ID Number	SIZE	CLASS	Piping Spec GROUP	EXEMPT From NDE	Basis For Exemption	Exam Type	COMMENTS	Date Verified To Boundary Drawing
1RC-1198	4-SJ-1194	A-073	205234-01TO -04	4	1	44-A	NO		SUR/VOL		03/12/2001
1RC-1199	2-SJ-1139	A-079	205234-04	2	1	44-A	NO		SURFACE		03/19/2001
1RC-1204	6-SJ-1132	A-066	205234-04	6	1	44-A	NO		SUR/VOL		03/19/2001
1RC-1205	8-SJ-1152	A-060,061	205234-03 & -04	8	1	44-A	NO		SUR/VOL		03/30/2001
1RC-1206	6-SJ-1112	A-070	205234-04	6	1	44-A	NO		SUR/VOL		03/19/2001
1RC-1207	2-SJ-1119	A-086	205234-04	2	1	44-A	NO		SURFACE		03/30/2001
1RC-1213	2-SJ-1129	A-081,082	205234-04	2	1	44-A	NO		SURFACE		03/19/2001
1RC-1253	2-SJ-1128	A-083-085	205234-03	2	1	44-A	NO		SURFACE		03/15/2001
1RC-1262	2-SJ-1147	A-078	205234-03	2	1	44-A	NO		SURFACE		03/15/2001
1RC-1264	2-SJ-1137	A-080	205234-03	2	1	44-A	NO		SURFACE		03/15/2001
1RC-1265	8-SJ-1135	A-053	205232-01 & -02	8	1	44-A	NO		SUR/VOL		03/15/2001
1RC-1265	8-SJ-1135	A-053	205234-03	8	1	44-A	NO		SUR/VOL		03/15/2001
1RC-1266	8-SJ-1145	A-062	205232-01 & -02	8	1	44-A	NO		SUR/VOL		03/15/2001
1RC-1266	8-SJ-1145	A-062	205234-03	8	1	44-A	NO		SUR/VOL		03/15/2001
1RC-1276	14-PS-1131	A-018	205201-01 & -02	14	1	44-A	NO		SUR/VOL	Pressurizer Surge Line	03/30/2001



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Line Number On ISO & P&ID	ISI Line Number In Long Term Plan	ISI Sketch Number	P&ID Number	SIZE	CLASS	Piping Spec GROUP	EXEMPT From NDE	Basis For Exemption	Exam Type	COMMENTS	Date Verified To Boundary Drawing
1RC-1281	2-CV-1175	A-011,012	205228-02	2	1	44-A	NO		SURFACE		03/30/2001
1RC-1281	2-CV-1175	A-011,012	205201-01	2	1	44-A	NO		SURFACE		03/30/2001
1RC-1282	4-PS-1111	A-022	205201-01 & -02	4	1	44-A	NO		SUR/VOL		03/30/2001
1RC-1287	4-PS-1131	A-019 -021	205201-01 & -02	4	1	44-A	NO		SUR/VOL	Pressurizer Spray Line	03/30/2001
1RH-1000	14-RH-2124	B-044	205232-02	14	2	51-A	NO		SUR/VOL		04/05/2001
1RH-1000	14-RH-2114	B-045	205232-01	14	2	51-A	NO		SUR/VOL		04/05/2001
1RH-1000	14-RH-2112	B-046	205232-02	14	2	51-A	NO		SUR/VOL		04/05/2001
1RH-1002	8-RH-2116	B-051	205232-01 (F-3)	8	2	51-B	NO		N/A	Base Material Thickness < 3/8 In.	04/05/2001
1RH-1003	8-RH-2116	B-051	205232-01 (F-7)	8	2	51-B	NO		N/A	Base Material Thickness < 3/8 In.	04/05/2001
1RH-1003	8-SJ-2152	B-056	205232-01	8	2	51-B	NO		N/A	Base Material Thickness < 3/8 In.	04/05/2001
1RH-1003	8-RH-2116	B-051	205232-01	8	2	51-B	NO		N/A	Base Material Thickness < 3/8 In.	04/05/2001
1RH-1003	8-SJ-2152	B-056	205234-03 (G-6)	8	2	51-B	NO		N/A	Base Material Thickness < 3/8 In.	04/05/2001
1RH-1004	8-RH-2126	B-050	205232-02 (F-3)	8	2	51-B	NO		N/A	Base Material Thickness < 3/8 In.	04/05/2001
1RH-1005	8-RH-2126	B-050	205232-02	8	2	51-B	NO		N/A	Base Material Thickness < 3/8 In.	04/05/2001
1RH-1005	8-RH-2126	B-050	205234-03	8	2	51-B	NO		N/A	Base Material Thickness < 3/8 In.	04/05/2001

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Line Number On ISO & P&ID	ISI Line Number In Long Term Plan	ISI Sketch Number	P&ID Number	SIZE	CLASS	Piping Spec GROUP	EXEMPT From NDE	Basis For Exemption	Exam Type	COMMENTS	Date Verified To Boundary Drawing
1RH-1006	8-RH-2126	B-050	205232-01 & -02	8	2	51-B	NO		N/A	Base Material Thickness < 3/8 In.	04/05/2001
1RH-1006	8-SJ-2162	B-055	205232-01 & -02	8	2	51-B	NO		N/A	Base Material Thickness < 3/8 In.	04/05/2001
1RH-1006	8-SJ-2115	B-058	205232-01 & -02	8	2	51-B	NO		N/A	Base Material Thickness < 3/8 In.	04/05/2001
1RH-1006	8-RH-2126	B-050	205234-01/04	8	2	51-B	NO		N/A	Base Material Thickness < 3/8 In.	04/05/2001
1RH-1006	8-SJ-2115	B-058	205234-01/04	8	2	51-B	NO		N/A	Base Material Thickness < 3/8 In.	04/05/2001
1RH-1008			205232-02	3	2	51-A	YES	IWC-1221(a)			04/05/2001
1RH-1013	14-RH-2114	B-045	205234-03	14	2	51-A	NO		SUR/VOL		04/05/2001
1RH-1013	14-SJ-2114	B-052	205234-03	14	2	51-A	NO		SUR/VOL		03/12/2001
1RH-1013	14-RH-2114	B-045	205234-03	14	2	51-A	NO		SUR/VOL		03/12/2001
1RH-1014			205232-01	3	2	51-A	YES	IWC-1221(a)			04/05/2001
1RH-1031			205232-01	3	2	51-B	YES	IWC-1221(a)			04/05/2001
1RH-1032	8-SJ-2115	B-058	205234-02 & 03	8	2	51-B	NO		N/A	Base Material Thickness < 3/8 In.	03/12/2001
1RH-1037	8-RH-2116	B-051	205232-01	8	2	51-B	NO		N/A	Base Material Thickness < 3/8 In.	04/06/2001
1RH-1045	8-RH-2173	B-048	205232-01 & -02	8	2	51-B	NO		N/A	Base Material Thickness < 3/8 In.	04/06/2001
1RH-1052	8-SJ-2125	B-057	205232-01 & -02	8	2	51-B	NO		N/A	Base Material Thickness < 3/8 In.	03/12/2001
1RH-1052	8-SJ-2125	B-057	205234-01 & -03	8	2	51-B	NO		N/A	Base Material Thickness < 3/8 In.	03/12/2001
1RH-1054			205232-02	3	2	51-B	YES	IWC-1221(a)			04/13/2001

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Line Number On ISO & P&ID	ISI Line Number In Long Term Plan	ISI Sketch Number	P&ID Number	SIZE	CLASS	Piping Spec GROUP	EXEMPT From NDE	Basis For Exemption	Exam Type	COMMENTS	Date Verified To Boundary Drawing
1RH-1055			205232-02	3	2	51-A	YES	IWC-1221(a)			04/13/2001
1RH-1056	14-SJ-2124	B-052	205232-02	14	2	51-A	NO		SUR/VOL		03/12/2001
1RH-1056	14-RH-2124	B-044	205234-03	14	2	51-A	NO		SUR/VOL		03/12/2001
1RH-1057			205232-01 & -02	2	2	51-B	YES	IWC-1221(a)		Line also on 205234-02 (G,5/6)	04/13/2001
1RH-1058			205228-02	2	2	51-B	YES	IWC-1221(a)			04/11/2001
1RH-1058			205232-01 & -02	2	2	51-B	YES	IWC-1221(a)			04/11/2001
1RH-1063	8-RH-2174	B-047	205232-01	8	2	51-B	NO		N/A	Base Material Thickness < 3/8 In.	04/06/2001
1RH-1065	12-SJ-2152	B-054	205232-01	12	2	51-B	NO		SUR/VOL		04/13/2001
1RH-1068	8-RH-2153	B-049	205232-01	8	2	51-B	NO		N/A	Base Material Thickness < 3/8 In.	04/06/2001
1RH-1080	12-SJ-2169	B-053	205234-03	12	2	51-A	NO		SUR/VOL		03/12/2001
1RH-1094	8-CS-2115	B-014	205234-03	8	2	51-B	NO		N/A	Base Material Thickness < 3/8 In.	03/20/2001
1RH-1094	8-CS-2115	B-014	205235	8	2	51-B	NO		N/A	Base Material Thickness < 3/8 In.	03/20/2001
1RH-1095	8-CS-2125	B-014	205234-03	8	2	51-B	NO		N/A	Base Material Thickness < 3/8 In.	03/20/2001
1RH-1095	8-CS-2125	B-014	205235	8	2	51-B	NO		N/A	Base Material Thickness < 3/8 In.	03/20/2001
1RH-1100			205234-03	2.5	2	51-B	YES	IWC-1221(a)			04/13/2001
1RH-1106			205234-03	2.5	2	51-B	YES	IWC-1221(a)			04/13/2001
1RH-1112			205232-02	2	2	51-B	YES	IWC-1221(a)			04/13/2001
1RH-1113			205232-02	2	2	51-A	YES	IWC-1221(a)			04/13/2001

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Line Number On ISO & P&ID	ISI Line Number In Long Term Plan	ISI Sketch Number	P&ID Number	SIZE	CLASS	Piping Spec GROUP	EXEMPT From NDE	Basis For Exemption	Exam Type	COMMENTS	Date Verified To Boundary Drawing
1RH-1116			205232-01	2	2	51-B	YES	IWC-1221(a)			04/13/2001
1RH-1117			205232-01	2	2	51-A	YES	IWC-1221(a)			04/13/2001
1SA-1000			205217-03	2	2	32-A	YES	IWC-1222(a)			04/13/2001
1SF-1000			205233	10	3	55-B	YES	IWD-1220(c)			03/12/2001
1SF-1002			205233	8	3	55-B	YES	IWD-1220(c)			03/12/2001
1SF-1003			205233	8	3	55-B	YES	IWD-1220(c)			03/12/2001
1SF-1019			205233	10	3	55-B	YES	IWD-1220(c)			03/12/2001
1SF-1020			205233	10	3	55-B	YES	IWD-1220(c)			03/12/2001
1SF-1021			205233	8	3	55-B	YES	IWD-1220(c)			03/12/2001
1SF-1102			205233-01	2	2	55-C	YES	IWC-1222(a)			03/12/2001
1SF-1103			205239-03	3	2	55-C	YES	IWC-1222(a)			03/12/2001
1SF-1103			205233-01	3	2	55-C	YES	IWC-1222(a)			03/19/2001
1SF-1105			205239-03	6	2	55-C	YES	IWC-1222(d)			03/19/2001
1SF-1107			205239-03	4	2	55-C	YES	IWC-1222(d)			03/19/2001
1SF-1108			205239-03	3	2	55-C	YES	IWC-1222(a)			03/19/2001
1SF-1108			205233-01	3	2	55-C	YES	IWC-1222(a)			03/19/2001
1SF-1111			205233	8	3	55-B	YES	IWD-1220(c)			03/12/2001
1SF-1115			205233	8	3	55-B	YES	IWD-1220(c)			03/12/2001
1SJ-1000			205234-03	18	2	49-B	YES	IWC-1221(c)			03/12/2001
1SJ-1001			205234-03	14	2	49-B	YES	IWC-1221(c)			03/12/2001
1SJ-1002			205234-03	18	2	49-B	YES	IWC-1221(c)			03/12/2001
1SJ-1003			205234-03	14	2	49-B	YES	IWC-1221(c)			03/12/2001
1SJ-1004			205234-01	20	3	49-A	NO		VT-1	Boundary Drawing currently shows VT-2- >NDE	03/12/2001
1SJ-1004			205234-02	20	3	49-A	NO		VT-1	Boundary Drawing currently shows VT-2- >NDE	03/12/2001

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Line Number On ISO & P&ID	ISI Line Number In Long Term Plan	ISI Sketch Number	P&ID Number	SIZE	CLASS	Piping Spec GROUP	EXEMPT From NDE	Basis For Exemption	Exam Type	COMMENTS	Date Verified To Boundary Drawing
1SJ-1005			205234-02	12	3	49-A	NO		VT-1	Boundary Drawing currently shows VT-2- >NDE	03/12/2001
1SJ-1005			205234-03	12	3	49-A	NO		VT-1	Boundary Drawing currently shows VT-2- >NDE	03/12/2001
1SJ-1006	N 8-SJ-2106	B-092	205232-02 (G-5)	8	2	49-E	NO		N/A	Base Material Thickness < 3/8 In.	03/12/2001
1SJ-1007			205234-01	8	3	49-A	NO		VT-1		04/13/2001
1SJ-1009			205234-02	8	3	49-A	NO		VT-1	Boundary Drawing currently shows VT-2- >NDE	03/12/2001
1SJ-1010			205234-03	8	3	49-A	NO		VT-1	Boundary Drawing currently shows VT-2- >NDE	03/12/2001
1SJ-1011			205234-01/-04	8	3	49-A	NO		VT-1	Boundary Drawing currently shows VT-2 - >NDE	03/12/2001
1SJ-1015	N 8-SJ-2116	B-091	205232-02 (G-5)	8	2	49-E	NO		N/A	Base Material Thickness < 3/8 In.	03/12/2001
1SJ-1015	N 8-SJ-2116	B-091	205232-02 (G-3)	8	2	49-E	NO		N/A	Base Material Thickness < 3/8 In.	03/12/2001
1SJ-1016	N 6-SJ-2116	B-092	205234-02 (G-5)	6	2	49-E	NO		N/A	Base Material Thickness < 3/8 In.	03/12/2001
1SJ-1019	N 6-SJ-2119	B-091	205234-02 (E-2)	6	2	49-E	NO		N/A	Base Material Thickness < 3/8 In.	03/12/2001
1SJ-1022	N 6-SJ-2122	B-092	205234-02 (G-5)	6	2	49-E	NO		N/A	Base Material Thickness < 3/8 In.	03/12/2001
1SJ-1026	N 6-SJ-2126	B-093	205234-02 (C-1)	6	2	49-E	NO		N/A	Base Material Thickness < 3/8 In.	03/12/2001

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Line Number On ISO & P&ID	ISI Line Number In Long Term Plan	ISI Sketch Number	P&ID Number	SIZE	CLASS	Piping Spec GROUP	EXEMPT From NDE	Basis For Exemption	Exam Type	COMMENTS	Date Verified To Boundary Drawing
1SJ-1037	N 4-SJ-2137	B-097	205234-02 (E-4)	4	2	49-F	YES	IWC-1221(a)(1)	N/A	Changed to Exempt & < 3/8 in. Thick	03/12/2001
1SJ-1039			205234-02	1.5	2	49-F	YES	IWC-1221(a)(1)		Changed from IWC- 1221(b)(1) to IWC- 1221(a)(1)	03/12/2001
1SJ-1045			205234-02	1.25	2	49-F	YES	IWC-1221(a)(1)		Changed from IWC- 1221(b)(1) to IWC- 1221(a)(1)	03/12/2001
1SJ-1048	N 4-SJ-2148	B-096	205234-02 (F-9)	4	2	49-F	YES	IWC-1221(a)(1)	N/A	Changed to Exempt & < 3/8 in. Thick	03/12/2001
1SJ-1060	N 4-SJ-2160	B-095	205234-02 (E-7)	4	2	49-F	YES	IWC-1221(a)(1)	N/A	Changed to Exempt & < 3/8 in. Thick	03/12/2001
1SJ-1061	N 4-SJ-2161	B-094	205234-02 (F-8)	4	2	49-F	YES	IWC-1221(a)(1)	N/A	Changed to Exempt & < 3/8 in. Thick	03/12/2001
1SJ-1062			205234-02	1.25	3	49-F	YES	IWC-1221(a)(1)		Changed to Exempt based on corrected size	03/12/2001
1SJ-1067			205234-02	1.5	2	49-F	YES	IWC-1221(a)(1)		Changed from IWC- 1221(b)(1) to IWC- 1221(a)(1)	03/12/2001
1SJ-1072			205234-02	1.25	2	49-F	YES	IWC-1221(a)(1)		Changed from IWC- 1221(b)(1) to IWC- 1221(a)(1)	03/12/2001
1SJ-1077	N 2-SJ-2177	B-102	205234-02	2	2	49-F	YES	IWC-1221(a)(1)		Changed to Exempt	03/12/2001
1SJ-1094			205234-01/-04	12	3	50-A	NO		VT-1		03/12/2001
1SJ-1094			205235	12	3	50-A	NO		VT-1		03/12/2001
1SJ-1113	N 4-SJ-2113	B-100,101	205228-02	4	2	49-G	NO		SUR/VOL		04/11/2001
1SJ-1113	N 4-SJ-2113	B-098	205234-01	4	2	49-G	NO		SUR/VOL		03/12/2001

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Line Number On ISO & P&ID	ISI Line Number In Long Term Plan	ISI Sketch Number	P&ID Number	SIZE	CLASS	Piping Spec GROUP	EXEMPT From NDE	Basis For Exemption	Exam Type	COMMENTS	Date Verified To Boundary Drawing
1SJ-1117	N 6-SJ-2117	B-093	205234-01 (E-3)	6	2	49-E	NO		N/A	Base Material Thickness < 3/8 In.	03/12/2001
1SJ-1120	N 4-SJ-2120	B-099	205228-02	4	2	49-G	NO		SUR/VOL		04/11/2001
1SJ-1121	N 3-SJ-2121	B-099	205228-02	3	2	49-G	NO		SUR/VOL		04/11/2001
1SJ-1122	N 4-SJ-2120	B-099	205228-02	4	2	49-G	NO		SUR/VOL		04/11/2001
1SJ-1123	N 2-SJ-2123	B-105,106	205228-02	2	2	49-G	NO		SURFACE		04/11/2001
1SJ-1126	N 2-SJ-2126	B-104	205228-02	2	2	49-G	NO		SURFACE		04/11/2001
1SJ-1128	N 4-SJ-2128	B-098	205228-02	4	2	49-G	NO		SUR/VOL		04/11/2001
1SJ-1140	N 4-SJ-2140	B-101	205234-01	4	2	49-G	NO		SUR/VOL		03/12/2001
1SJ-1148	6-SJ-2104	B-059	205234-01	6	2	49-G	NO		SUR/VOL		03/12/2001
1SJ-1149	6-SJ-2103	B-059	205234-01	6	2	49-G	NO		SUR/VOL		03/12/2001
1SJ-1150	N 4-SJ-2150	B-059	205234-01	4	2	49-G	NO		SUR/VOL		03/12/2001
1SJ-1158	N 4-SJ-2158	B-059	205234-01	4	2	49-G	NO		SUR/VOL		03/12/2001
1SJ-1179			205234-01/-04	10	2	49-D	YES	IWC-1222(c)		Changed from Cl.3 non-exempt to Cl.2 exempt	03/19/2001
1SJ-1196			205234-01/-04	10	2	49-D	YES	IWC-1222(c)		Changed from Cl.3 non-exempt to Cl.2 exempt	03/19/2001

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Line Number On ISO & P&ID	ISI Line Number In Long Term Plan	ISI Sketch Number	P&ID Number	SIZE	CLASS	Piping Spec GROUP	EXEMPT From NDE	Basis For Exemption	Exam Type	COMMENTS	Date Verified To Boundary Drawing
1SJ-1213			205234-01/-04	10	2	49-D	YES	IWC-1222(c)		Changed from Cl.3 non-exempt to Cl.2 exempt	03/19/2001
1SJ-1230			205234-01/-04	10	2	49-D	YES	IWC-1222(c)		Changed from Cl.3 non-exempt to Cl.2 exempt	03/19/2001
1SJ-1257			205234-02	1.5	2	49-F	YES	IWC-1221(a)(1)		Changed from IWC-1221(b)(1) to IWC-1221(a)(1)	03/12/2001
1SJ-1258	N 2-SJ-2158	B-103	205234-02	2	2	49-F	YES	IWC-1221(a)(1)		Changed to Exempt	03/12/2001
1SJ-1259			205234-02	1.5	2	49-F	YES	IWC-1221(a)(1)		Changed from IWC-1221(b)(1) to IWC-1221(a)(1)	03/12/2001
1SJ-1260	N 2-SJ-2160	B-103	205234-02	2	2	49-F	YES	IWC-1221(a)(1)		Changed to Exempt	03/12/2001
1SW-1000			205242	20	3	27-C/27-F	NO		VT-1		03/26/2001
1SW-1001			205242	20	3	27-F	NO		VT-1		03/26/2001
1SW-1002			205242	20	3	27-C/27-F	NO		VT-1		03/26/2001
1SW-1003			205242	20	3	27-C/27-F	NO		VT-1		03/26/2001
1SW-1004			205242-01	30	3	27-F	NO		VT-1		03/26/2001
1SW-1005			205242	20	3	27-F	NO		VT-1		03/26/2001
1SW-1006			205242	20	3	27-F	NO		VT-1		03/26/2001
1SW-1013			205242	6	3	27-F	NO		VT-1		03/26/2001
1SW-1016			205242	6	3	27-F	NO		VT-1		03/26/2001
1SW-1019			205242	6	3	27-F	NO		VT-1		03/26/2001
1SW-1020			205242	8	3	27-F	NO		VT-1		03/27/2001
1SW-1021			205242	10	3	27-C/27-F	NO		VT-1		03/27/2001
1SW-1067			205242-02	30	3	27-C/27-F	NO		VT-1		03/27/2001
1SW-1067			205242-01	30	3	27-C/27-F	NO		VT-1		03/26/2001
1SW-1068			205242-02	30	3	27-F	NO		VT-1		03/27/2001
1SW-1069			205242-02	20	3	27-F	NO		VT-1		03/27/2001



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1SW-1070			205242-02	20	3	27-F	NO		VT-1		03/27/2001
1SW-1071			205242-02	20	3	27-F	NO		VT-1		03/27/2001
1SW-1072			205242-02	20	3	27-F	NO		VT-1		03/27/2001
1SW-1073			205242-02	20	3	27-F	NO		VT-1		03/27/2001
1SW-1074			205242-02	20	3	27-F	NO		VT-1		03/27/2001
1SW-1078			205242-02	4	3	27-F	YES	IWD-1220(a)(1)	N/A		06/18/2001
1SW-1083			205242	6	3	27-F	NO		VT-1		03/27/2001
1SW-1084			205242	8	3	27-F	NO		VT-1		03/27/2001
1SW-1085			205242	10	3	27-F	NO		VT-1		03/27/2001
1SW-1098			205242	6	3	27-F	NO		VT-1		03/27/2001
1SW-1101			205242	6	3	27-F	NO		VT-1		03/27/2001
1SW-1136			205242-01	30	3	27-C/27-F	NO		VT-1		03/26/2001
1SW-1136			205242-02	30	3	27-C/27-F	NO		VT-1		03/26/2001
1SW-1137			205242	30	3	27-F	NO		VT-1		03/26/2001
1SW-1149			205242	24	3	27-F	NO		VT-1		03/26/2001
1SW-1152			205242-03	24	3	28-C	YES	IWD-1220(d)		BURIED, Change from previous interval.	03/27/2001
1SW-1152			205242-01	24	3	27-C/28-C	YES	IWD-1220(d)		BURIED, Change from previous interval.	03/26/2001
1SW-1153			205242	24	3	27-C	NO		VT-1		03/27/2001
1SW-1168			205242	24	3	28-C	YES	IWC-1220(d)		BURIED, Change from previous interval.	03/27/2001
1SW-1169			205242	6	3	27-F	NO		VT-1		03/27/2001
1SW-1176			205242	8	3	27-C/27-F	NO		VT-1		03/27/2001
1SW-1180			205242	8	3	27-F	NO		VT-1		03/27/2001
1SW-1181			205242	6	3	27-F	NO		VT-1		03/27/2001
1SW-1185			205242	6	3	27-F	NO		VT-1		03/27/2001
1SW-1191			205242	24	3	27-F	NO		VT-1		03/27/2001
1SW-1194			205242-03/06	16	3	27-F	NO		VT-1		03/27/2001

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1SW-1195			205242	10	3	27-F	NO		VT-1		03/28/2001
1SW-1196			205242-06	10	2	27-J	NO		N/A	CHR <3/8". Change from previous interval.	03/28/2001
1SW-1197			205242	10	3	27-F	NO		VT-1		03/28/2001
1SW-1218			205242	10	3	27-F	NO		VT-1		03/28/2001
1SW-1219			205242-06	10	2	27-J	NO		N/A	CHR <3/8". Change from previous interval.	03/28/2001
1SW-1220			205242	10	3	27-F	NO		VT-1		03/28/2001
1SW-1236			205242	10	3	27-F	NO		VT-1		03/28/2001
1SW-1237			205242-06	10	2	27-J	NO		N/A	CHR <3/8". Change from previous interval.	03/28/2001
1SW-1238			205242	10	3	27-F	NO		VT-1		03/28/2001
1SW-1256			205242	24	3	27-F	NO		VT-1		03/27/2001
1SW-1257			205242	20	3	27-F	NO		VT-1		03/27/2001
1SW-1280			205242-03	8	3	27-F	NO		VT-1		03/27/2001
1SW-1280			205242-03	6	3	27-F	NO		VT-1		03/27/2001
1SW-1296			205242-03/04	24	3	27-F	NO		VT-1		03/27/2001
1SW-1343			205242	24	3	27-C/27-F	NO		VT-1		03/27/2001
1SW-1344			205242-02	24	3	27-C/28-C	YES	IWD-1220(d)		BURIED, Change from previous interval.	03/27/2001
1SW-1344			205242-03	24	3	27-C	YES	IWD-1220(d)		BURIED, Change from previous interval.	03/27/2001
1SW-1346			205242-03	24	3	27-F	NO		VT-1		03/27/2001
1SW-1346			205242-05	24	3	27-F	NO		VT-1		03/27/2001
1SW-1363			205242	24	3	28-C	YES	IWD-1220(d)		BURIED, Change from previous interval.	03/27/2001
1SW-1365			205242	6	3	27-F	NO		VT-1		03/27/2001
1SW-1366			205242	8	3	27-F	NO		VT-1		03/27/2001
1SW-1371			205242	8	3		NO		VT-1		

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1SW-1373			205242	6	3	27-F	NO		VT-1		03/27/2001
1SW-1375			205242	6	3		NO		VT-1		
1SW-1377			205242	6	3		NO		VT-1		
1SW-1380			205242-05	16	3	27-F	NO		VT-1		03/28/2001
1SW-1380			205242-06	16	3	27-F	NO		VT-1		03/27/2001
1SW-1381			205242	10	3	27-F	NO		VT-1		03/28/2001
1SW-1382			205242	10	3	27-F	NO		VT-1		03/28/2001
1SW-1383			205242-06	10	2	27-J	NO		N/A	CHR <3/8". Change from previous interval.	03/28/2001
1SW-1384			205242	10	3	27-F	NO		VT-1		03/28/2001
1SW-1402			205242	10	3	27-F	NO		VT-1		03/28/2001
1SW-1403			205242-06	10	2	27-J	NO		N/A	CHR <3/8". Change from previous interval.	03/28/2001
1SW-1404			205242	10	3	27-F	NO		VT-1		03/28/2001
1SW-1422			205242	6	3	27-F	NO		VT-1	Note: part of the line was abandoned in- place	03/27/2001
1SW-1493			205242-03	20	3	27-G	NO		VT-1		03/27/2001
1SW-1493			205242	20	3		NO		VT-1		
1SW-1496			205242-04	20	3	27-C	NO		VT-1		03/27/2001
1SW-1496			205242-05	20	3	27-F/27-G	NO		VT-1		03/27/2001
1SW-1498			205242	8	3	27-G	NO		VT-1		03/27/2001
1SW-1502			205242	8	3	27-F	NO		VT-1		03/27/2001
1SW-1503			205242	8	3	27-F	NO		VT-1		03/27/2001
1SW-1504			205242	8	3	27-F	NO		VT-1		03/27/2001
1SW-1505			205242	8	3		NO		VT-1		
1SW-1506			205242-03	24	3	27-G/27-B	NO		VT-1		03/27/2001
1SW-1506			205242-06	24	3	27-G	NO		VT-1		03/27/2001
1SW-1507			205242-03	24	3	27-G/27-B	NO		VT-1		03/27/2001
1SW-1507			205242-05	24	3	27-G	NO		VT-1		03/27/2001

**APPENDIX A**  
**Salem Unit 1 Third Interval**  
**ISI Program Long Term Plan**  
**Boundary Table**

Line Number On ISO & P&ID	ISI Line Number In Long Term Plan	ISI Sketch Number	P&ID Number	SIZE	CLASS	Piping Spec GROUP	EXEMPT From NDE	Basis For Exemption	Exam Type	COMMENTS	Date Verified To Boundary Drawing
1SW-1512			205242	24	3	28-B	YES	IWD-1220(d)		BURIED, Change from previous interval.	03/27/2001
1SW-1517			205242	8	3	28-B	YES	IWD-1220(d)		BURIED, Change from previous interval.	03/27/2001
1SW-1522			205242	24	3	28-B	YES	IWD-1220(d)		BURIED, Change from previous interval.	03/27/2001
1SW-1529			205242	8	3	28-B	YES	IWD-1220(d)		BURIED, Change from previous interval.	03/27/2001
1SW-1537			205242	24	3	28-B	YES	IWD-1220(d)		BURIED, Change from previous interval.	03/27/2001
1SW-1540			205242-03	24	3	28-B	YES	IWD-1220(d)		BURIED, Change from previous interval.	03/27/2001
1SW-1541			205242	6	3	27-G	NO		VT-1		03/27/2001
1SW-1542			205242	8	3	27-G	NO		VT-1		03/27/2001
1SW-1545			205242	6	3	27-G	NO		VT-1		03/27/2001
1SW-1546			205242	6	3	27-G	NO		VT-1		03/27/2001
1SW-1549			205242	6	3	27-G	NO		VT-1		03/27/2001
1SW-1550			205242	6	3	27-G	NO		VT-1		03/27/2001
1SW-1551			205242	8	3	27-G	NO		VT-1		03/27/2001
1SW-1556			205242	6	3	27-G	NO		VT-1		03/27/2001
1SW-1557			205242	8	3	27-G	NO		VT-1		03/27/2001
1SW-1589			205242	6	3	27-G	NO		VT-1	Note: part of the line was abandoned in- place	03/27/2001
1SW-1597			205242	10	3	27-G	NO		VT-1		03/28/2001
1SW-1598			205242-06	10	2	27-J	NO		N/A	CHR <3/8". Change from previous interval.	03/28/2001
1SW-1599			205242	10	3	27-G	NO		VT-1		03/28/2001
1SW-1619			205242	10	3	27-G	NO		VT-1		03/28/2001

**APPENDIX A**  
**Salem Unit 1 Third Interval**  
**ISI Program Long Term Plan**  
**Boundary Table**

Line Number On ISO & P&ID	ISI Line Number In Long Term Plan	ISI Sketch Number	P&ID Number	SIZE	CLASS	Piping Spec GROUP	EXEMPT From NDE	Basis For Exemption	Exam Type	COMMENTS	Date Verified To Boundary Drawing
1SW-1621			205242-06	10	2	27-J	NO		N/A	CHR <3/8". Change from previous interval.	03/28/2001
1SW-1622			205242	10	3	27-G	NO		VT-1		03/28/2001
1SW-1640			205242	10	3	27-G	NO		VT-1		03/28/2001
1SW-1641			205242-06	10	2	27-J	NO		N/A	CHR <3/8". Change from previous interval.	03/28/2001
1SW-1642			205242	10	3	27-G	NO		VT-1		03/28/2001
1SW-1643			205242-05	16	3	27-G	NO		VT-1		03/28/2001
1SW-1643			205242-06	10	3	27-G	NO		VT-1		03/27/2001
1SW-1657			205242	16	3	27-G	NO		VT-1		03/28/2001
1SW-1658			205242	10	3		NO		VT-1		
1SW-1664			205242	10	3	27-G	NO		VT-1		03/28/2001
1SW-1665			205242-06	10	2	27-J	NO		N/A	CHR <3/8". Change from previous interval.	03/28/2001
1SW-1666			205242	10	3	27-G	NO		VT-1		03/28/2001
1SW-1684			205242	10	3	27-G	NO		VT-1		03/28/2001
1SW-1685			205242	10	3	27-G	NO		VT-1		03/28/2001
1SW-1704			205242-06	10	2	27-J	NO		N/A	CHR <3/8". Change from previous interval.	03/28/2001
1SW-1860			205242	6	3	27-F	NO		VT-1		03/27/2001
1SW-1863			205242	8	3		NO		VT-1		
1SW-1897			205242	6	3		NO		VT-1		
1SW-1898			205242	8	3		NO		VT-1		
1SW-1899			205242	6	3	27-G	NO		VT-1		03/27/2001
1SW-1901			205242	6	3	27-G	NO		VT-1		03/27/2001
1SW-1903			205242	6	3		NO		VT-1		
1SW-1905			205242	6	3	27-F	NO		VT-1		03/27/2001
1SW-1907			205242	8	3		NO		VT-1		

**APPENDIX A**  
**Salem Unit 1 Third Interval**  
**ISI Program Long Term Plan**  
**Boundary Table**

Line Number On ISO & P&ID	ISI Line Number In Long Term Plan	ISI Sketch Number	P&ID Number	SIZE	CLASS	Piping Spec GROUP	EXEMPT From NDE	Basis For Exemption	Exam Type	COMMENTS	Date Verified To Boundary Drawing
1SW-1908			205242	10	3	27-G	NO		VT-1		03/28/2001
1SW-1915			205242	8	3	27-F	NO		VT-1		03/28/2001
1SW-1938			205242	16	3		NO		VT-1		
1SW-1955			205242	14	3		NO		VT-1		
1SW-1956			205242	14	3		NO		VT-1		
1SW-1957			205242	14	3		NO		VT-1		
1SW-1958			205242	14	3		NO		VT-1		
1SW-1959			205242	14	3		NO		VT-1		
1SW-1960			205242	14	3		NO		VT-1		
1SW-1962			205242	14	3		NO		VT-1		
1SW-1974			205242-02	12	3	27-F	NO		VT-1		03/27/2001
1SW-1975			205242	8	3	27-F	NO		VT-1		03/27/2001
1SW-1980			205242	12	3	27-F	NO		VT-1		03/26/2001
1SW-1981			205242	8	3	27-F	NO		VT-1		03/26/2001
1SW-1986			205242	8	3	27-G	NO		VT-1		03/27/2001
1SW-1987			205242	10	3	27-F	NO		VT-1		03/28/2001
1SW-xxx1			205242-07	10	3	27-F	NO		VT-1	NO LINE NO. FEEDS SW ACCUMULATOR 1SWE125	03/30/2001
1SW-xxx1			205242-06	10	3	27-F	NO		VT-1	NO LINE NO. FEEDS SW ACCUMULATOR 1SWE125	03/30/2001
1SW-xxx2			205242-07	10	3	27-F	NO		VT-1	NO LINE NO. FEEDS SW ACCUMULATOR 1SWE127	03/30/2001
1SW-xxx2			205242-05	10	3	27-F	NO		VT-1	NO LINE NO. FEEDS SW ACCUMULATOR 1SWE127	03/30/2001

**APPENDIX A**  
**Salem Unit 1 Third Interval**  
**ISI Program Long Term Plan**  
**Boundary Table**

Line Number On ISO & P&ID	ISI Line Number In Long Term Plan	ISI Sketch Number	P&ID Number	SIZE	CLASS	Piping Spec GROUP	EXEMPT From NDE	Basis For Exemption	Exam Type	COMMENTS	Date Verified To Boundary Drawing
1WL-1188			205234-01/-04	8	3	49-A	NO		VT-1		03/12/2001
1WL-1216			205239-03	3	2	53H	YES	IWC-1222(a)			03/19/2001
1WL-1425			205239-03	3	2	53-J	YES	IWC-1222(a)			04/13/2001
1WL-XXX1			205227-01	1.5	3	53-C	YES	IWD-1220(a)(1)	N/A	EXCLUDED FROM VT-2 VISUAL EXAMINATION PER IWD-5240	07/12/2001
1WR-1065			205201-01	3	2	48-J	YES	IWC-1222(a)			04/13/2001

# APPENDIX B

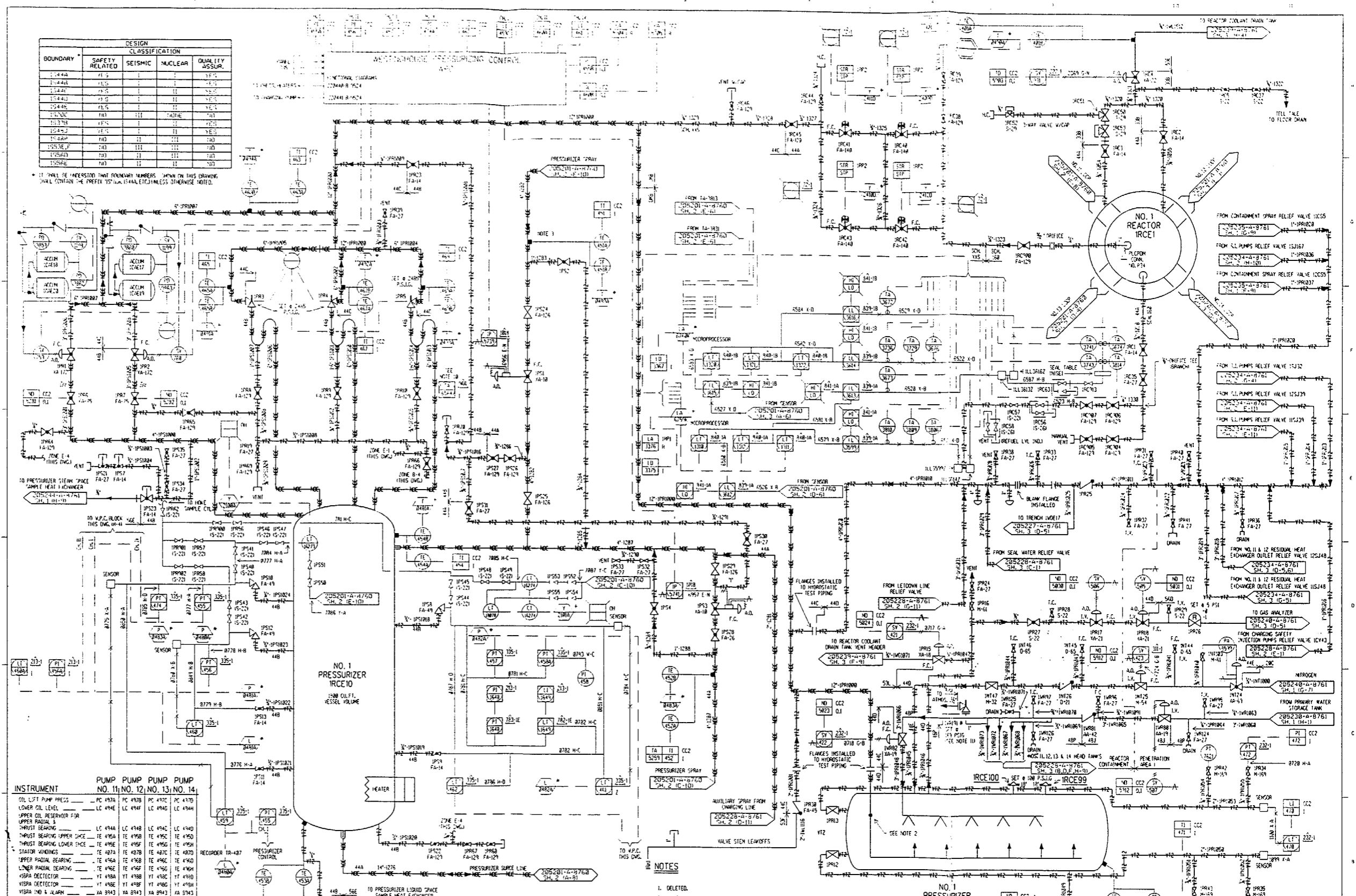
## Inservice Inspection Boundary Diagrams

Boundary Diagram No.	Sheet(s) No.	System Description
603201	1 – 3	Reactor Coolant
603202	3	Steam Generator Feed & Condensate
603203	1 – 2 & 6	Main Reheat & Turbine By-Pass Steam
603216	1 – 3	Chilled Water
603217	2 – 3	Compressed Air
603222	1	Fire Protection
603225	1 – 2	Steam Generator Drains & Blowdown
603227	1	Equipment Vents & Drains- Contaminated
603228	1 – 3	Chemical & Volume Control Operations
603229	1 – 2	Chemical & Volume Control Boric Acid Recovery
603231	1 – 3	Component Cooling
603232	1- 2	Residual Heat Removal
603233	1	Spent Fuel Cooling
603234	1 – 4	Safety Injection
603235	1	Containment Spray
603236	1	Auxiliary Feedwater
603238	1 – 2	Reactor Containment Ventilation
603239	1 & 3	Waste Disposal- Liquid
603240	2	Waste Disposal- Gas
603242	1 – 7	Service Water Nuclear Area
603244	1 – 3	Sampling
603246	1	Demineralized Water- Restricted Area
603247	1 & 3	Reactor Containment & Penetration Area Control Air



BOUNDARY	DESIGN CLASSIFICATION			
	SAFETY RELATED	SEISMIC	NUCLEAR	QUALITY ASSUR.
15444	YES	II	II	SEF
15445	YES	II	II	SEF
15446	YES	II	II	SEF
15447	YES	II	II	SEF
15448	YES	II	II	SEF
15449	YES	II	II	SEF
15450	YES	II	II	SEF
15451	YES	II	II	SEF
15452	YES	II	II	SEF
15453	YES	II	II	SEF
15454	YES	II	II	SEF
15455	YES	II	II	SEF
15456	YES	II	II	SEF
15457	YES	II	II	SEF
15458	YES	II	II	SEF
15459	YES	II	II	SEF
15460	YES	II	II	SEF
15461	YES	II	II	SEF
15462	YES	II	II	SEF

\* IT MAY BE NECESSARY THAT BOUNDARY NUMBERS SHOWN ON THIS DRAWING SHALL CONTAIN THE PREFIX "15444" UNLESS OTHERWISE NOTED.



INSTRUMENT	PUMP NO. 11, NO. 12, NO. 13, NO. 14			
	PC 497A	PC 497B	PC 497C	PC 417D
OIL LIFT PUMP PRESS	PC 497A	PC 497B	PC 497C	PC 417D
LOWER OIL LEVEL	LC 494E	LC 494F	LC 494G	LC 494H
UPPER OIL RESERVOIR FOR UPPER PADIAL BEARING	LC 494A	LC 494B	LC 494C	LC 494D
IMPUST BEARING UPPER SHAFT	TE 495E	TE 495F	TE 495G	TE 495H
IMPUST BEARING LOWER SHAFT	TE 495I	TE 495J	TE 495K	TE 495L
STATOR WINDINGS	TE 497A	TE 497B	TE 497C	TE 497D
UPPER PADIAL BEARING	TE 496E	TE 496F	TE 496G	TE 496H
LOWER PADIAL BEARING	TE 496I	TE 496J	TE 496K	TE 496L
NSRA DETECTOR	VT 498A	VT 498B	VT 498C	VT 498D
NSRA DETECTOR	VT 498E	VT 498F	VT 498G	VT 498H
NSRA DETECTOR	TA 3943	TA 3944	TA 3945	TA 3946

REVISION	
1	SEE NOTE "W" - REV. 1
2	REVISED PER ORDER NO. 60088418
3	ORIGINAL ISSUE
4	208 J.C.L./L.F.L.
5	REVISION

IN-SERVICE INSPECTION LEGEND NOTES	
NDE	NUCLEAR CLASS 2 & 3 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUPTIC, SURFACE AND VISUAL EXAMINATIONS (VT), VT-2 AND VT-3 IN ACCORDANCE WITH SECTION VI, 1994.76, ADDENDA AND THE SALEM UNIT 1 ISI PROGRAM LONG TERM PLAN.
VT2	NUCLEAR CLASS 2 & 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL EXAMINATIONS (VT) IN ACCORDANCE WITH SECTION VI, 1994.76, ADDENDA AND THE SALEM UNIT 1 ISI PROGRAM LONG TERM PLAN.
AE/VT	NUCLEAR CLASS 2 AND 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO AUGMENTED VISUAL EXAMINATIONS (VT2).
WPSI	NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUPTIC, SURFACE AND VISUAL EXAMINATIONS (VT), VT-2 AND VT-3, AND ARE INCLUDED IN THE HIGH PRESSURE SAFETY INJECTION SYSTEM AND ARE SUBJECT TO THE EXEMPTIONS OF THE 12210-B.
AE/NDE	NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUPTIC, SURFACE AND VISUAL EXAMINATIONS (VT), VT-2 AND VT-3, IN ACCORDANCE WITH THE 2nd INTERIM ISI PROGRAM INC SER (IAC No. 8932) REF. C-1-1/5.10 & C-F-2/C.5.8.

- DELETED.
- HOLE IN 12" LINE 18-B115 TO BLOW VACUUM IN LINE AFTER STEAM BLOW TO PREVENT LINE FROM FILLING WITH WATER.
- LOCATE INSTRUMENTS TE-4945I & 452 MIDWAY BETWEEN LOOP 3 PRESSURIZER.
- ALL PRESSURES SHOWN ON EQUIPMENT ARE ALLOWABLE PRESS. FOR HYDROSTATIC TESTING PURPOSES ONLY. HYDROSTATIC PRESS. & TEMP. PARAMETERS ARE TO BE AS DESIGNATED ON FIELD DIRECTIVE S-C-4000-RFD-091.
- FOR DESIGN PRESS. & TEMP. PARAMETERS REFER TO THE DESIGN PRESS. & TEMP. PARAMETERS AT THE ORIGINAL SOURCE HEADER.
- EE DENOTES WITHOUT THE RUPTURE DISC.
- ALL LINE NUMBERS SHALL BE UNDERSTOOD TO CONTAIN THE PREFIX "15444" UNLESS OTHERWISE NOTED.
- ALL VALVE AIR OPERATORS (AO) TO BE UNDERSTOOD TO BE NUMBERED WITH THE VALVE GENERATION NUMBER-ALC, E.G., 15444-01.
- ALL INSTRUMENTATION TO BE UNDERSTOOD TO BE UNDERSTOOD TO CONTAIN THE PREFIX "15444" FOR UNIT 1.
- TEMPERATURE INDICATOR (TA) 6541 IS ABANDONED IN PLACE.
- INVERTED RELIEF VALVE CATEGORY IS NUCLEAR CLASS II, SEISMIC CLASS I AND SAFETY RELATED.

NO. 1 PRESSURIZER RELIEF TANK  
IRCE11  
MXATP- 150 P.S.I.G.  
MNATP- 100" F.  
1220 P.S.I.G.  
RELIEF VALVE  
REACTOR COOLANT DRAIN PUMPS  
15444-01-101

NOTE: THE RELIEF VALVE LIFT PRESSURE IS 210 PSIG WHEN THE CONTAINMENT ATMOSPHERIC PRESSURE REACHES 47 PSIG DURING ACCIDENT.

SALEM NUCLEAR GENERATING STATION  
NO. 1 UNIT  
REACTOR COOLANT  
IN-SERVICE INSPECT. BOUND. DIAG. THIRD TEN YEAR INSPECTION INTERVAL  
PSEG NUCLEAR, L.L.C.  
DATE 12-16-87  
REFERENCED P & ID: 205201-SH.1-REV. 57  
603201-ISI -1

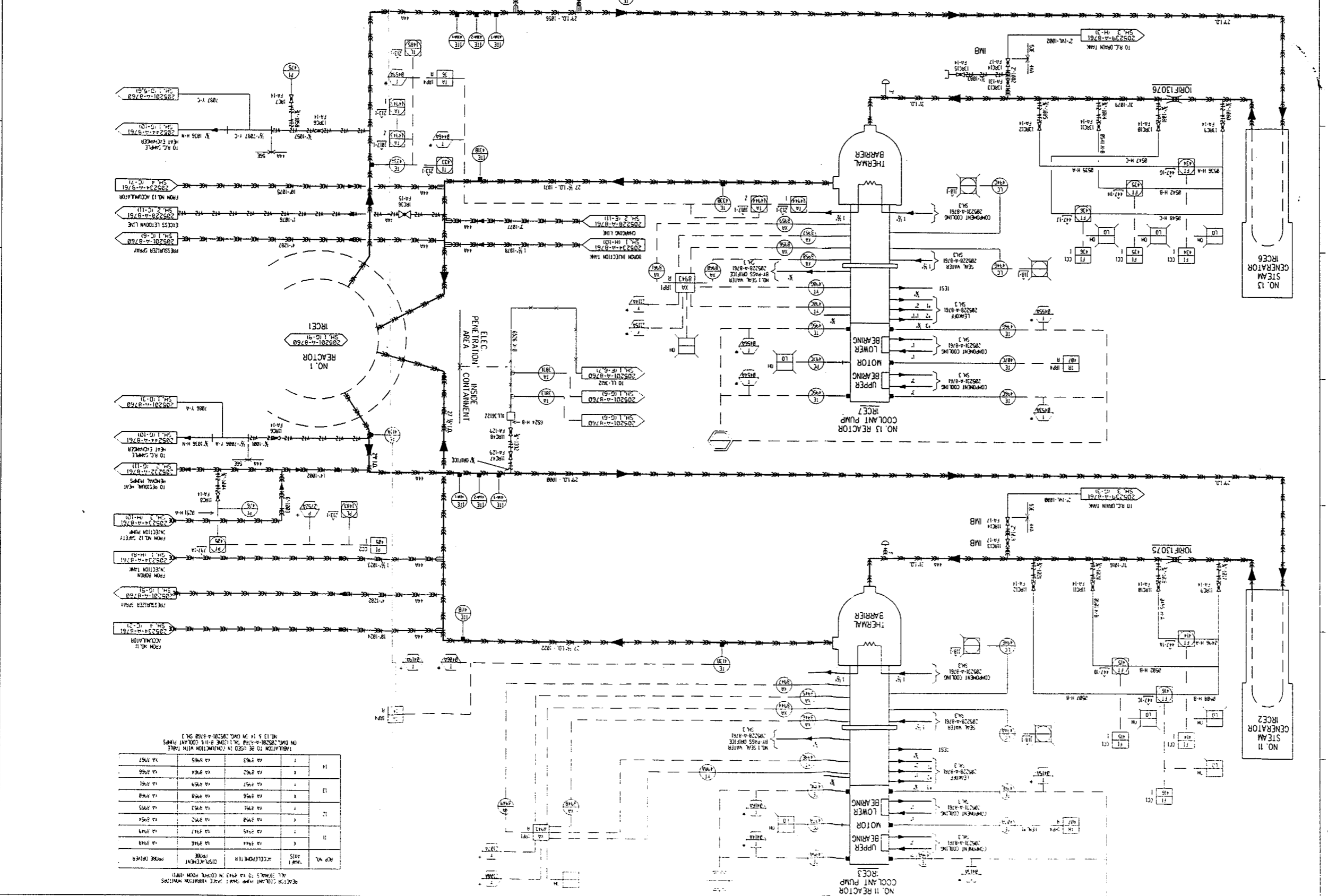
SALEM NUCLEAR GENERATING STATION  
 NO. 1 UNIT  
 REACTOR COOLANT  
 INSPECT. BOUND. DIAG.  
 THIRD YEAR

PSEG NUCLEAR, L.L.C.  
 DATE: 12-16-87  
 APPROVED: LOUIS F. LANE

REFERENCES: P & ID: 205201, SH. 2 - REV. 35  
 PSEG NUCLEAR, L.L.C. 603201-1SI -1

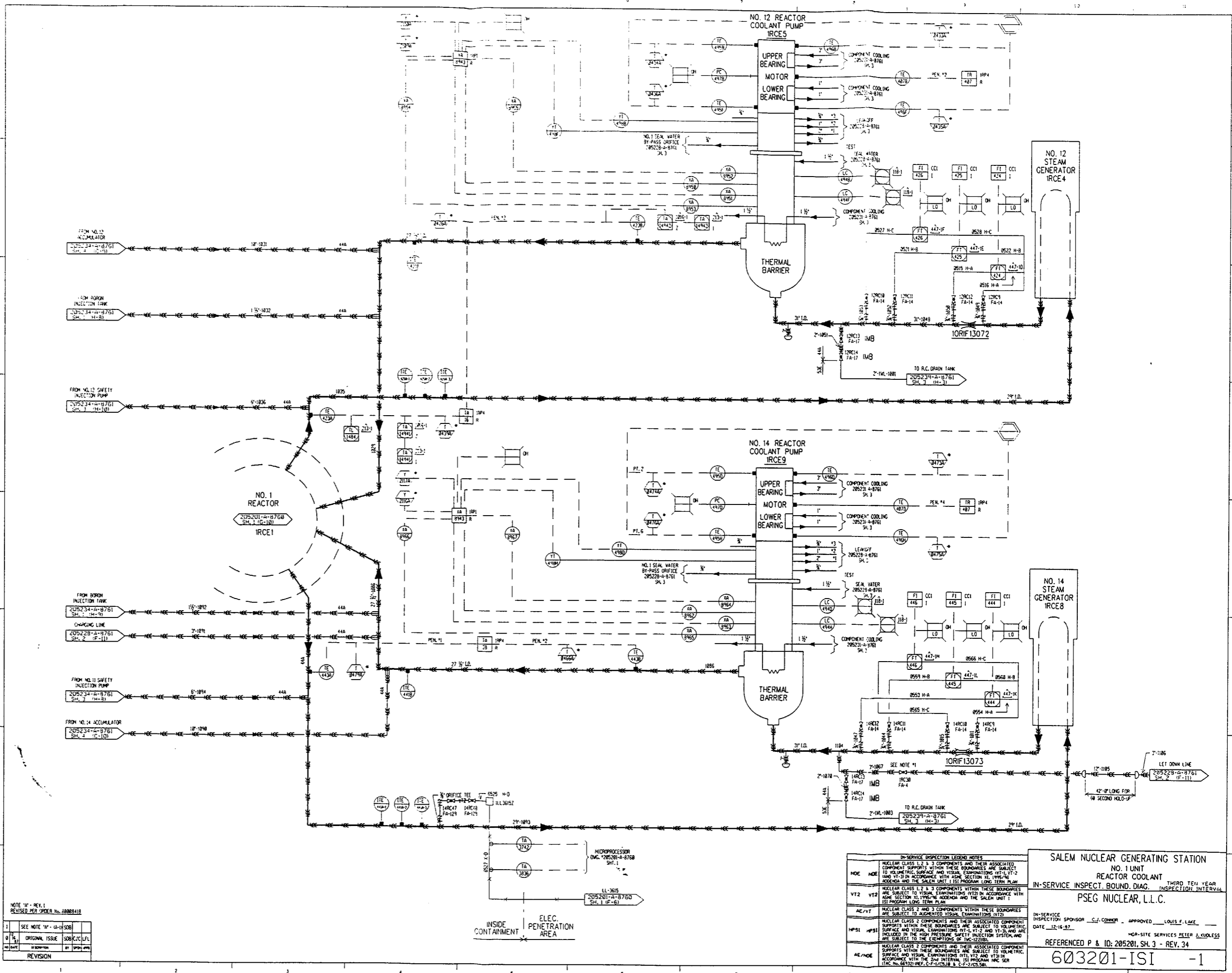
NO.	DESCRIPTION	DATE	BY
NO. 1	ISSUED FOR CONSTRUCTION	12-16-87	L.F. LANE
NO. 2	ISSUED FOR CONSTRUCTION	12-16-87	L.F. LANE
NO. 3	ISSUED FOR CONSTRUCTION	12-16-87	L.F. LANE
NO. 4	ISSUED FOR CONSTRUCTION	12-16-87	L.F. LANE
NO. 5	ISSUED FOR CONSTRUCTION	12-16-87	L.F. LANE
NO. 6	ISSUED FOR CONSTRUCTION	12-16-87	L.F. LANE
NO. 7	ISSUED FOR CONSTRUCTION	12-16-87	L.F. LANE
NO. 8	ISSUED FOR CONSTRUCTION	12-16-87	L.F. LANE
NO. 9	ISSUED FOR CONSTRUCTION	12-16-87	L.F. LANE
NO. 10	ISSUED FOR CONSTRUCTION	12-16-87	L.F. LANE
NO. 11	ISSUED FOR CONSTRUCTION	12-16-87	L.F. LANE
NO. 12	ISSUED FOR CONSTRUCTION	12-16-87	L.F. LANE
NO. 13	ISSUED FOR CONSTRUCTION	12-16-87	L.F. LANE
NO. 14	ISSUED FOR CONSTRUCTION	12-16-87	L.F. LANE
NO. 15	ISSUED FOR CONSTRUCTION	12-16-87	L.F. LANE

REV.	DESCRIPTION	DATE	BY
1	ISSUED FOR CONSTRUCTION	12-16-87	L.F. LANE
2	ISSUED FOR CONSTRUCTION	12-16-87	L.F. LANE
3	ISSUED FOR CONSTRUCTION	12-16-87	L.F. LANE
4	ISSUED FOR CONSTRUCTION	12-16-87	L.F. LANE
5	ISSUED FOR CONSTRUCTION	12-16-87	L.F. LANE
6	ISSUED FOR CONSTRUCTION	12-16-87	L.F. LANE
7	ISSUED FOR CONSTRUCTION	12-16-87	L.F. LANE
8	ISSUED FOR CONSTRUCTION	12-16-87	L.F. LANE
9	ISSUED FOR CONSTRUCTION	12-16-87	L.F. LANE
10	ISSUED FOR CONSTRUCTION	12-16-87	L.F. LANE
11	ISSUED FOR CONSTRUCTION	12-16-87	L.F. LANE
12	ISSUED FOR CONSTRUCTION	12-16-87	L.F. LANE
13	ISSUED FOR CONSTRUCTION	12-16-87	L.F. LANE
14	ISSUED FOR CONSTRUCTION	12-16-87	L.F. LANE
15	ISSUED FOR CONSTRUCTION	12-16-87	L.F. LANE



ALL SYMBOLS TO BE USED IN CONNECTION WITH THIS TABLE

NO.	SYMBOL	DESCRIPTION
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15



NOTE 1 - REV. 1  
REVISED PER ORDER No. 20080418

NO.	DATE	DESCRIPTION	BY	APP'D
1		SEE NOTE 'M' (A-1) SOB		
2		ORIGINAL ISSUE	SOB/CJC/LFL	
3		REVISION		

INSERVICE INSPECTION LEGEND NOTES	
NDE	NDE
V12	V12
AE/V12	AE/V12
HP/S1	HP/S1
AE/NDE	AE/NDE

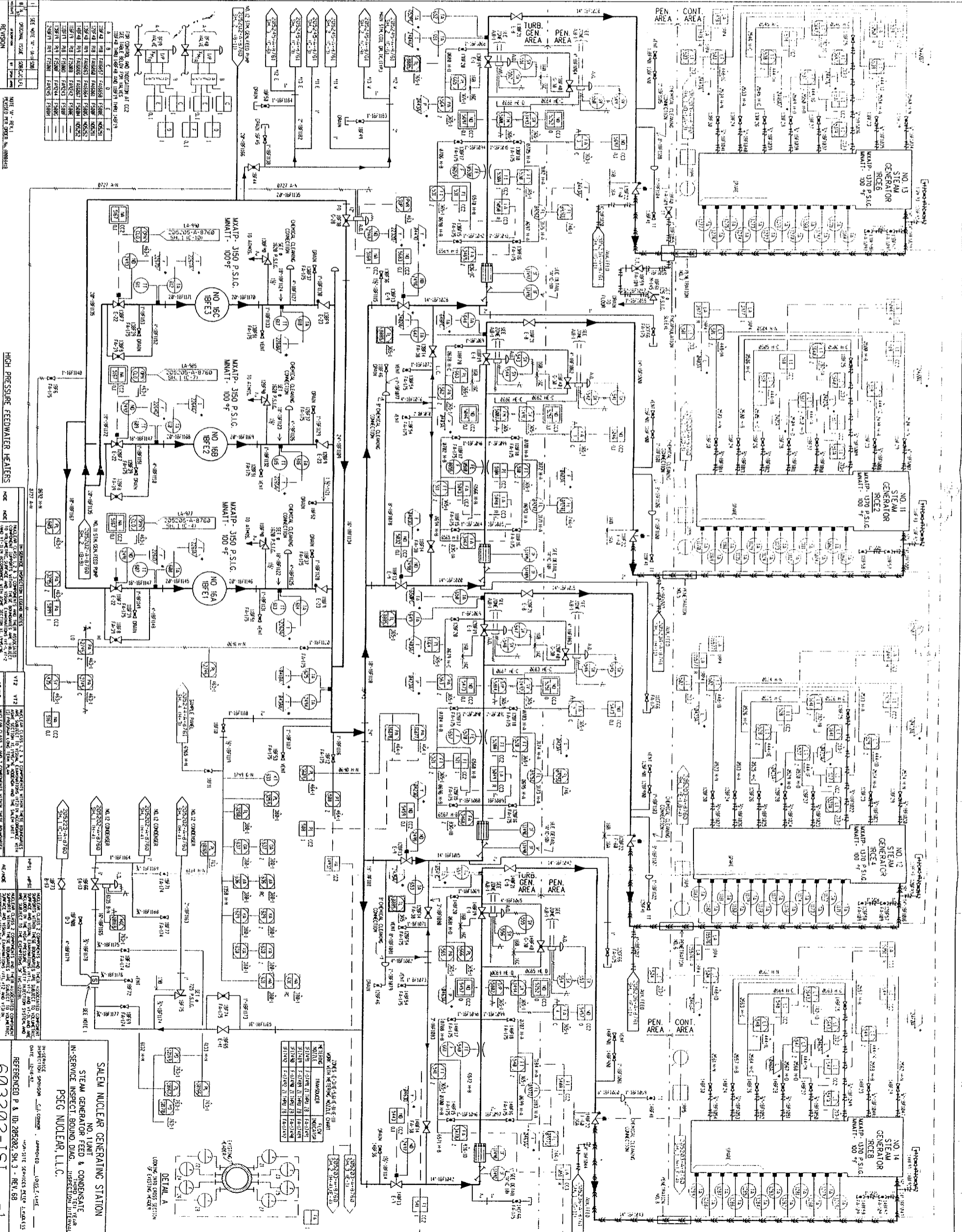
SALEM NUCLEAR GENERATING STATION  
NO. 1 UNIT  
REACTOR COOLANT SYSTEM  
IN-SERVICE INSPECT BOUND. DIAG. THIRD TEN YEAR INSPECTION INTERVAL  
PSEG NUCLEAR, L.L.C.

IN-SERVICE INSPECTION SPONSOR: C.J. CONNER APPROVED: LOUIS F. LAKE  
DATE: 12-16-82 HCR-SITE SERVICES PLEER A-KL055

REFERENCED P & ID: 205201-SI, 3 - REV. 34

603201-ISI -1

**NOTE:**  
 1. SEE SHEET 603202-1SI FOR  
 2. THE LOCATION OF THE  
 3. HIGH PRESSURE FEEDWATER  
 4. HEATERS.



NO.	DESCRIPTION	REV.
1	ISSUED	1
2	REVISED	1
3	REVISED	1
4	REVISED	1
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6	REVISED	1
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96	REVISED	1
97	REVISED	1
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99	REVISED	1
100	REVISED	1

**HIGH PRESSURE FEEDWATER HEATERS**

NO.	DESCRIPTION	REV.
1	ISSUED	1
2	REVISED	1
3	REVISED	1
4	REVISED	1
5	REVISED	1
6	REVISED	1
7	REVISED	1
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97	REVISED	1
98	REVISED	1
99	REVISED	1
100	REVISED	1

**SALEM NUCLEAR GENERATING STATION**  
 NO. 1 UNIT  
 STEAM GENERATOR FEED & CONDENSATE  
 IN-SERVICE INSPECT BOUND DIAG. TYPED TEI FEED  
 PSEC NUCLEAR, L.L.C.

603202-1SI  
 -1

SH. 3

**NOTES:**

1. ALL PRESSURES SHOWN ON EQUIPMENT ARE WORKING ALLOWABLE PRESSURES FOR WORKING CONDITIONS. DESIGN PRESSURES ARE INDICATED BY A DESIGNATION NUMBER AND THE WORKING PRESSURE SHALL BE 12.5% BELOW DESIGNATION NUMBER.
2. INSTRUMENT DESIGNATIONS REFER TO ISA 5.1 FOR DESCRIPTION. TO BE AS DESIGNATED ON FIELD DIRECTIVE OF WORK ORDER.
3. PIPE SPECIFICATION SHALL BE AS SPECIFIED IN THE FIELD SPECIFICATION SHEET.
4. ALL VALVE AIR OPERATIONS MUST BE AS SPECIFIED IN THE FIELD SPECIFICATION SHEET.
5. ALL INSTRUMENTATION TO BE EXERCISED TO THE POINT OF OPERATION TO BE MAINTAINED WITH THE WORKING PRESSURE TO BE MAINTAINED WITH THE WORKING PRESSURE.
6. DETECTED
7. ADJUSTMENT TO LINE INDICATION DETECTOR.

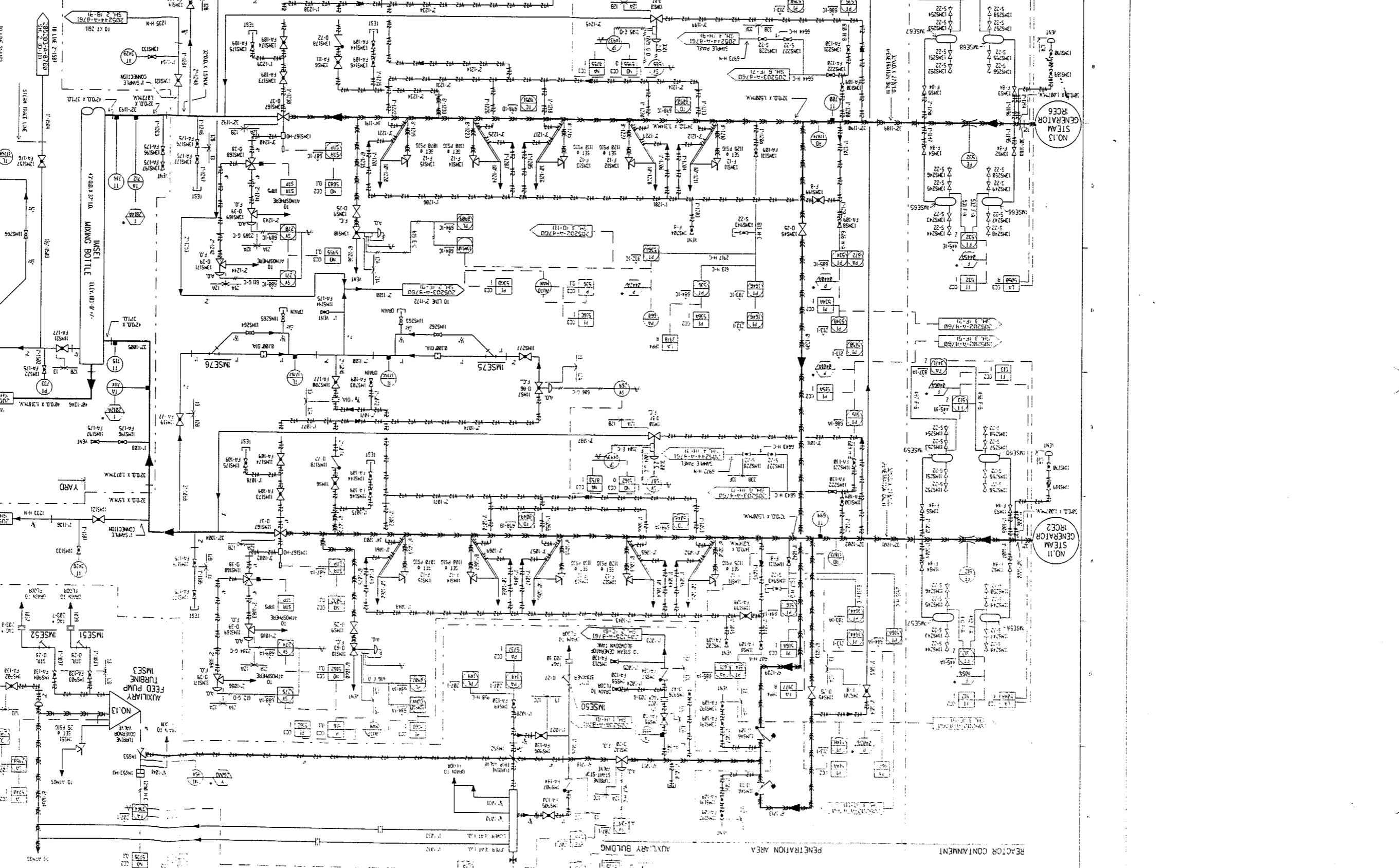
**DESIGN CLASSIFICATION**

CLASSIFICATION	SEISMIC	WATER	SWAMP	NO	III	II	I
SWAMP	YES	NO	NO	NO	NO	NO	NO
WATER	YES	NO	NO	NO	NO	NO	NO
SEISMIC	YES	NO	NO	NO	NO	NO	NO

IF SHEET IS UNDESIGNED FROM WORKING PAPERS SHOWN IN THIS DRAWING SHEET CONTAIN THE PREFIX "SD" (SAFETY DESIGN).  
 UNLESS OTHERWISE NOTED.

**REVISION**

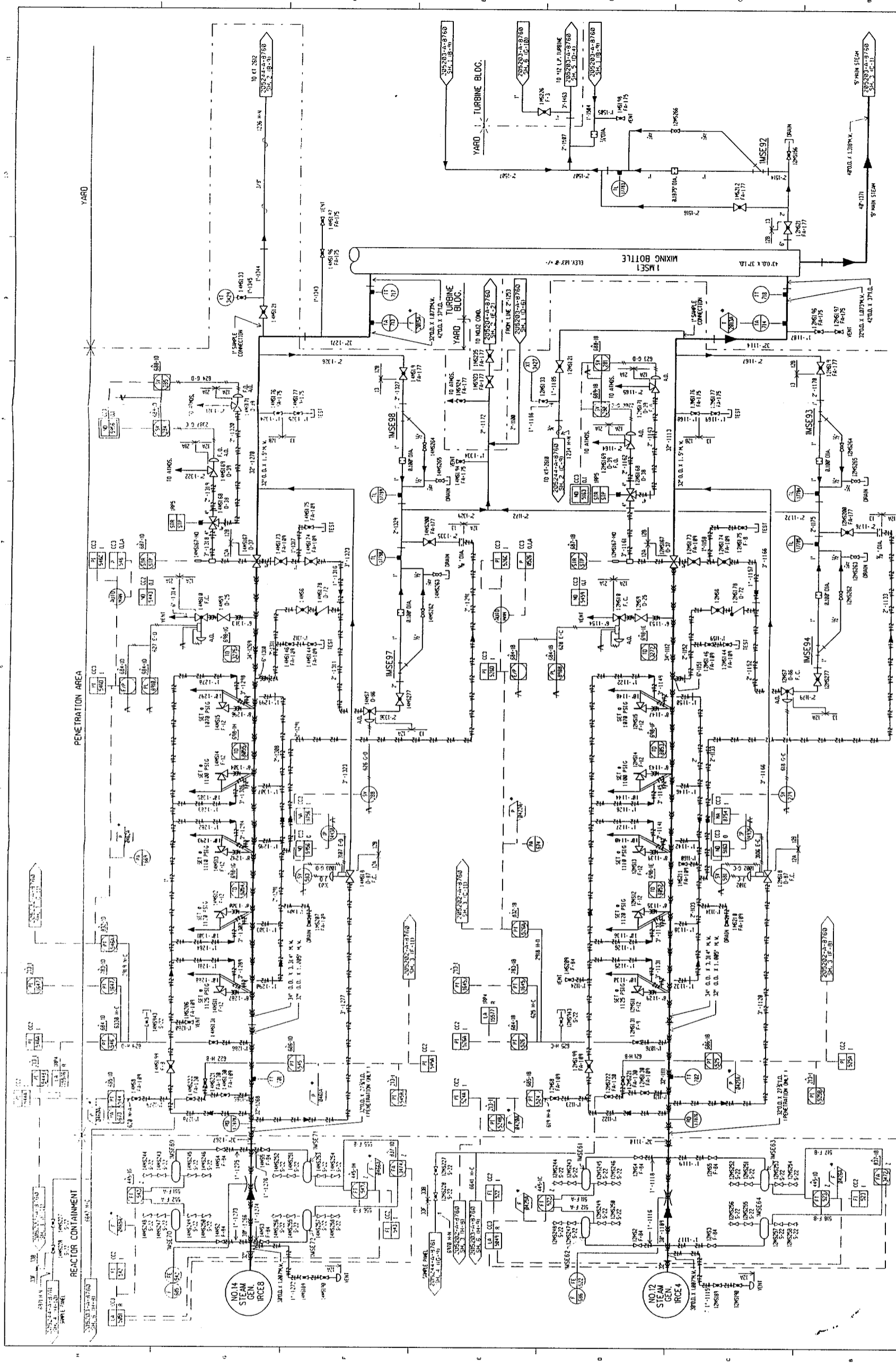
NO.	DATE	DESCRIPTION	BY	CHKD
1	12-18-77	ISSUED FOR CONSTRUCTION	[Signature]	[Signature]



**REVISION**

NO.	DATE	DESCRIPTION	BY	CHKD
1	12-18-77	ISSUED FOR CONSTRUCTION	[Signature]	[Signature]

**NOTE:**  
 THIS DRAWING IS FOR THE NO. 1 UNIT.  
 THE NO. 2 UNIT IS SHOWN FOR REFERENCE ONLY.



**IN-SERVICE INSPECTION LEGEND NOTES**

NOE	COMPONENTS OF THIS CLASS ARE ASSUMED TO BE SUBJECT TO VISUAL SURFACE AND VISUAL EXAMINATIONS AT 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.
VT2	COMPONENTS OF THIS CLASS ARE ASSUMED TO BE SUBJECT TO VISUAL SURFACE AND VISUAL EXAMINATIONS AT 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.
AE/VT	COMPONENTS OF THIS CLASS ARE ASSUMED TO BE SUBJECT TO VISUAL SURFACE AND VISUAL EXAMINATIONS AT 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.
MPST	COMPONENTS OF THIS CLASS ARE ASSUMED TO BE SUBJECT TO VISUAL SURFACE AND VISUAL EXAMINATIONS AT 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.
AE/NOE	COMPONENTS OF THIS CLASS ARE ASSUMED TO BE SUBJECT TO VISUAL SURFACE AND VISUAL EXAMINATIONS AT 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

**SALEM NUCLEAR GENERATING STATION**  
 NO. 1 UNIT  
 MAIN, REHEAT & TURBINE BY-PASS STEAM  
 IN-SERVICE INSPECT. BOUND. DIAG. - INSPECTION INTERVAL  
 PSEG NUCLEAR, L.L.C.

INSERVICE INSPECTION APPROVED: [Signature] DATE: 10/15/03  
 APPROVED: [Signature] DATE: 10/15/03

REVISIONS: [Table with columns for No., Description, Date, and By]

REFERENCED P & ID: 205203-SH. 2 - REV. 74

603203-ISI -1

SH. 2

NOTE: FOR THE REVISIONS AND 50% OF THE ORIGINAL DESIGN.

NO.	REVISION	DATE	BY
1	SEE NOTE 'W' - 10/15/03		
2	ORIGINAL ISSUE		

NOTE:  
 1. THIS SHEET REFERS TO THE MAINS.  
 2. FOR WIRE NUMBERS, SEE THE MAINS SHEET.

REV.	DATE	BY	CHKD.	DESCRIPTION
1				
2				
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SALEM NUCLEAR GENERATING STATION  
 NO. 1 UNIT  
 MAIN REHEAT & TURBINE BY-PASS STEAM  
 IN-SERVICE INSPECT. BOUND. DIAG. INSPECTION INTERNAL  
 PSEG NUCLEAR, L.L.C.

IN-SERVICE INSPECTION APPROVED: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 NON-RELIABILITY PROGRAMS: \_\_\_\_\_

REFERENCED P & ID: 205203-SH.6 - REV. 54

603203-ISI - 0

INSPECTION BYPASS WAVE NO.	COMPIER NO.	COOL DOWN WAVE NO.	TRIP OPER. WAVE NO.	MOD. NO.	U.S. SEC. NO.	U.S. REG. NO.
13188	12100	0	X	1	40945	
13188	12100	0	X	2	40947	
13188	12100	0	X	3	40951	
13184	12100	0	X	4	40953	

IN-SERVICE INSPECTION LEGEND NOTES

NUCLEAR CLASS 1, 2, 3 COMPONENTS AND THEIR ASSOCIATED SUPPORT SYSTEMS WITHIN THESE BOUNDARIES ARE SUBJECT TO INSPECTION IN ACCORDANCE WITH 10 CFR SECTION 50.55, 50.56 AND THE SALEM UNIT 1 SSI PROGRAM LONG TERM PLAN.

NUCLEAR CLASS 1, 2, 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO INSPECTION IN ACCORDANCE WITH 10 CFR SECTION 50.55, 50.56 AND THE SALEM UNIT 1 SSI PROGRAM LONG TERM PLAN.

NUCLEAR CLASS 2 AND 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO ACCEPTED VISUAL EXAMINATIONS WITH:

NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED SUPPORT SYSTEMS WITHIN THESE BOUNDARIES ARE SUBJECT TO ACCEPTED VISUAL EXAMINATIONS WITH:

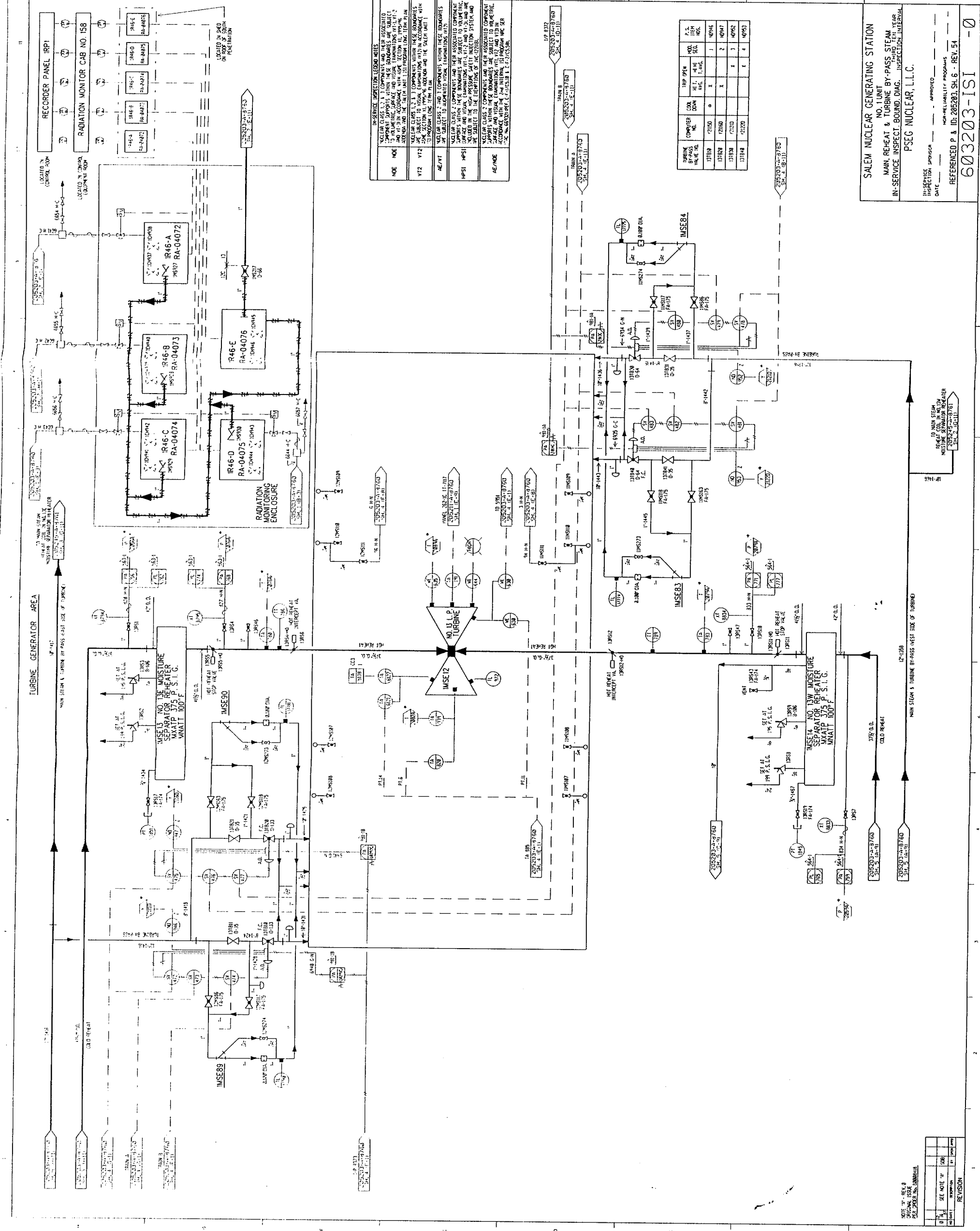
NUCLEAR CLASS 3 COMPONENTS AND THEIR ASSOCIATED SUPPORT SYSTEMS WITHIN THESE BOUNDARIES ARE SUBJECT TO ACCEPTED VISUAL EXAMINATIONS WITH:

NUCLEAR CLASS 2 AND 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO ACCEPTED VISUAL EXAMINATIONS WITH:

NUCLEAR CLASS 2 AND 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO ACCEPTED VISUAL EXAMINATIONS WITH:

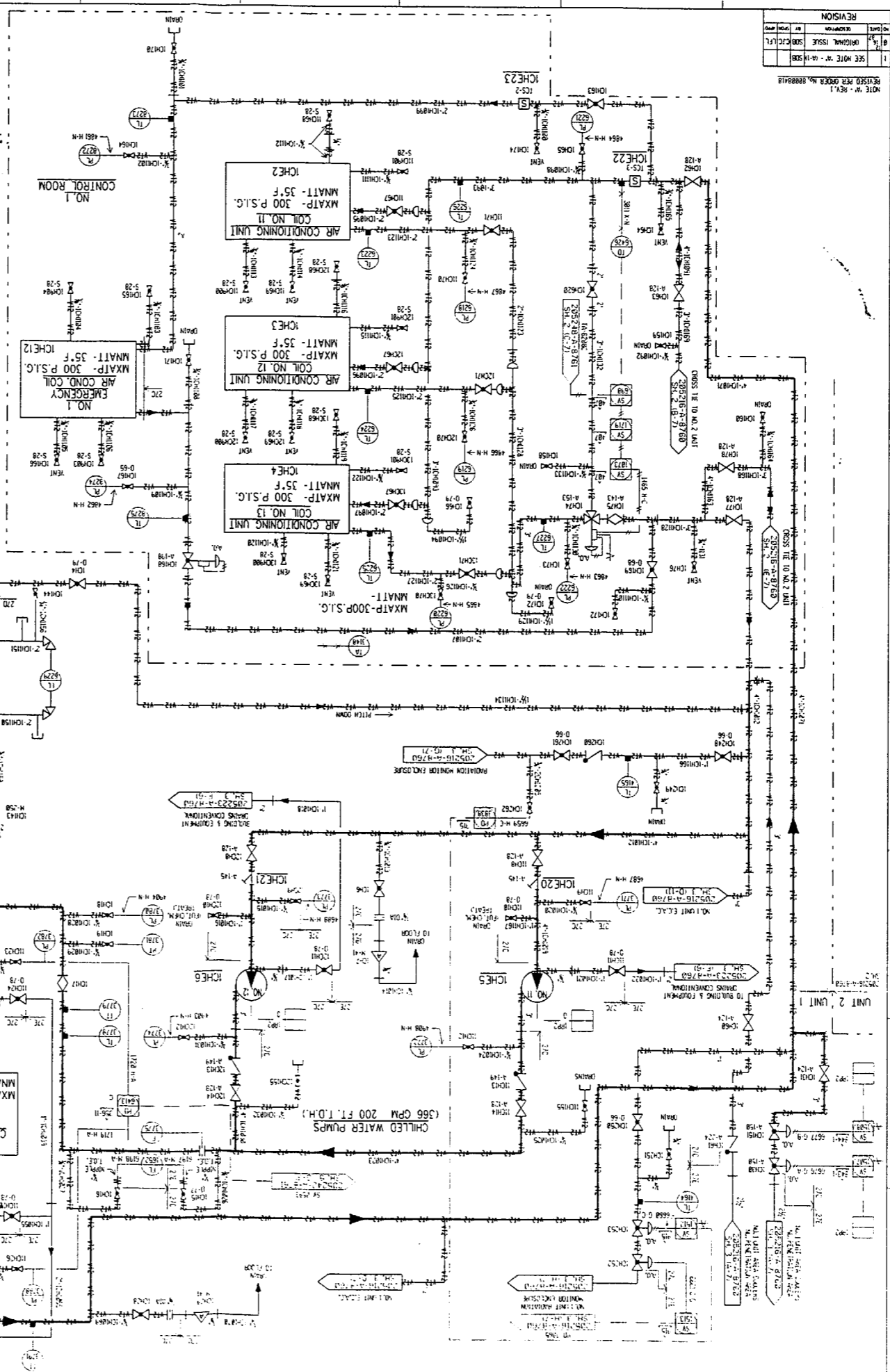
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NUCLEAR CLASS 2 AND 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO ACCEPTED VISUAL EXAMINATIONS WITH:



REVISION		
NO.	DATE	DESCRIPTION
1	6-13-58	SEE NOTE 1 - IN-1-33
2	10-1-58	ORIGINAL ISSUE FOR DESIGN

NOTE: ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE DESIGN SHEET SPECIFICATIONS.



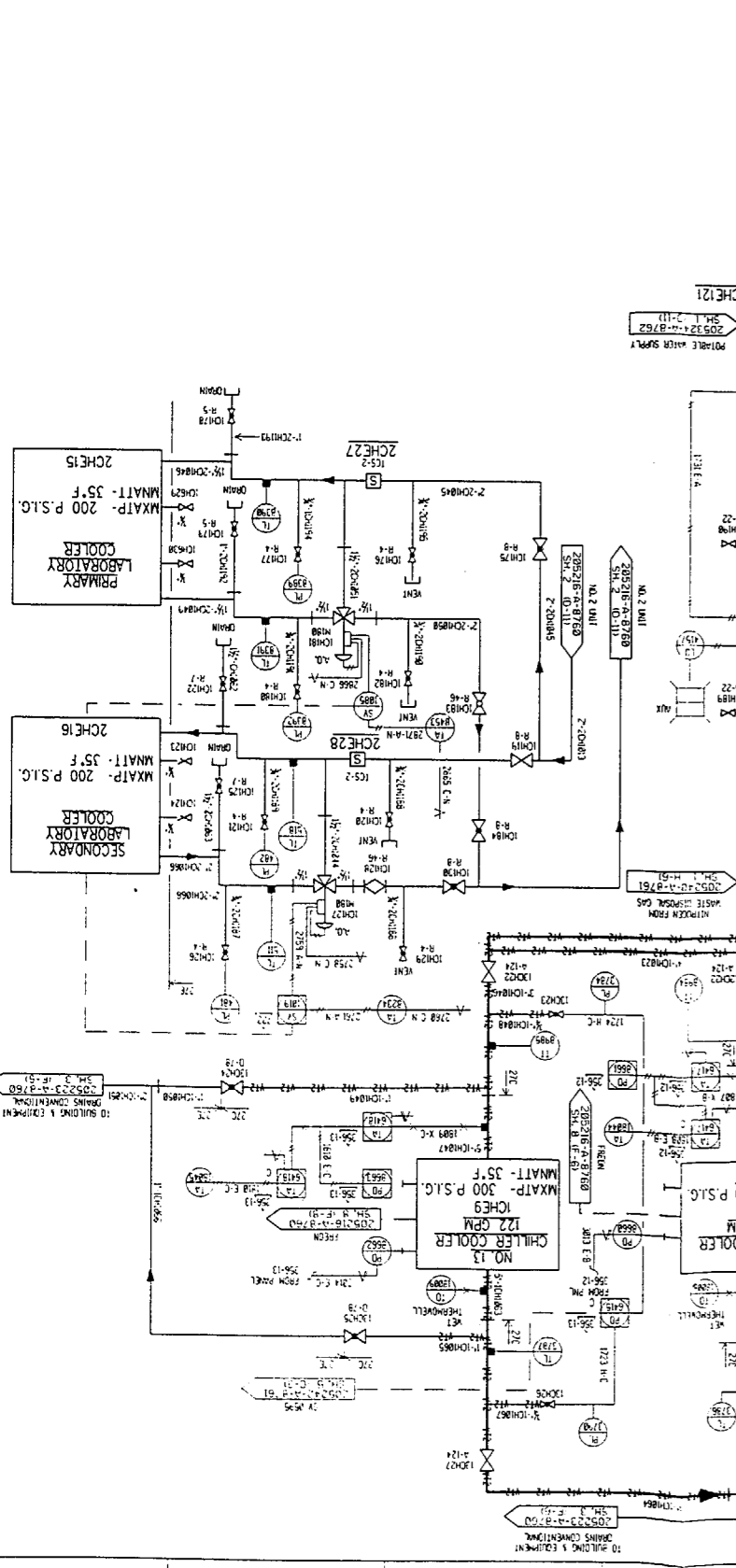
NO.	DESCRIPTION	CLASSIFICATION		QUALITY ASSURANCE
		REVIEW	DESIGN	
270			III	
271		III	III	
272		III	III	YES
273		III	III	YES

NOTES

- ALL PIPING SHALL BE AS SHOWN ON THIS DRAWING UNLESS OTHERWISE NOTED.
- ALL PRESSURES SHOWN ON EQUIPMENT ARE MAINTAINING ALLOWABLE PRESSURES FOR MINIMUM DESIGN LIFE.
- ALL PRESSURES ARE IN P.S.I.G. UNLESS OTHERWISE NOTED.
- CHANGES TO THIS SPEC. SHALL BE APPROVED BY THE ENGINEER.
- ALL INSTALLATION TO BE IN ACCORDANCE WITH THE MANUFACTURER'S AND A.S.E. AND CODES AS NOTED ON THIS DRAWING AND PRELIMINARY WITH 15'.
- THE PIPING SHALL BE INSTALLED WITH PROPER SLOPE AS NOTED ON THIS DRAWING AND PRELIMINARY WITH 15'.
- ALL PIPING SHALL BE AS SHOWN ON THIS DRAWING UNLESS OTHERWISE NOTED.

SALEM NUCLEAR GENERATING STATION  
 NOV 1 & 2 UNITS  
 CHILLED WATER  
 IN-SERVICE INSPECT. BOUND DIAG. INSPECTION INTERVAL: THIRD YEAR

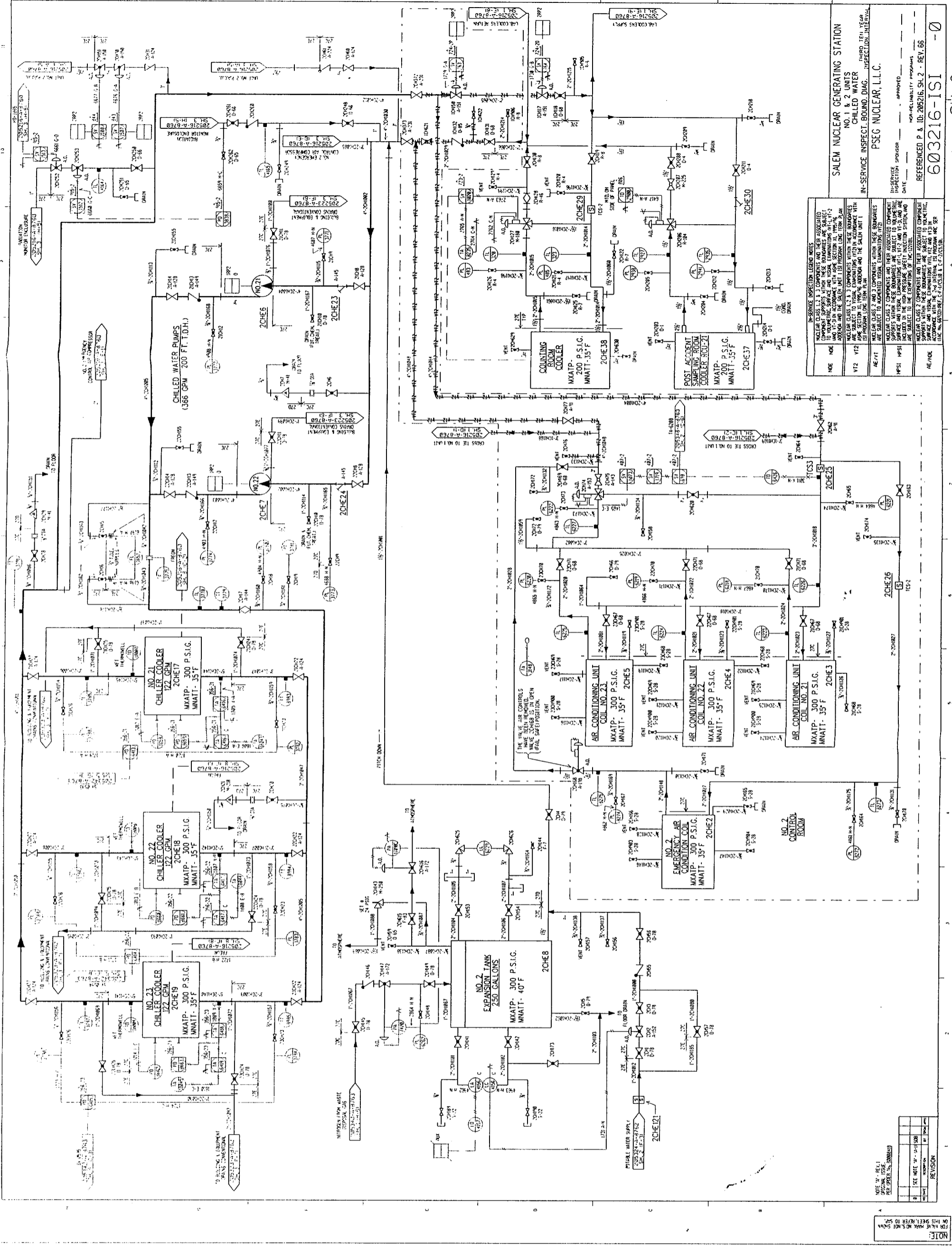
PSEG NUCLEAR, L.L.C.



603216-ISI-1

SH. 1 of 3





**IN-SERVICE INSPECTION LEGEND NOTES**

NOE	NOE	NOE	NOE	NOE
NOE 1	NOE 2	NOE 3	NOE 4	NOE 5
NOE 6	NOE 7	NOE 8	NOE 9	NOE 10
NOE 11	NOE 12	NOE 13	NOE 14	NOE 15
NOE 16	NOE 17	NOE 18	NOE 19	NOE 20
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NOE 86	NOE 87	NOE 88	NOE 89	NOE 90
NOE 91	NOE 92	NOE 93	NOE 94	NOE 95
NOE 96	NOE 97	NOE 98	NOE 99	NOE 100

**SALEM NUCLEAR GENERATING STATION**  
**NO. 1 & 2 UNITS**  
**CHILLED WATER**  
**IN-SERVICE INSPECT. BOUND. DIAG. - INSPECTION INTERVAL**  
**PSEG NUCLEAR, L.L.C.**

THIRD YEAR  
 IN-SERVICE INSPECTION PROGRAM  
 DATE \_\_\_\_\_ APPROVED \_\_\_\_\_  
 INSPECTION SPONSOR \_\_\_\_\_  
 IN-SERVICE INSPECTION PROGRAMS  
 REVISION \_\_\_\_\_  
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 REVISION \_\_\_\_\_

603216-ISI -0  
 SH. 2

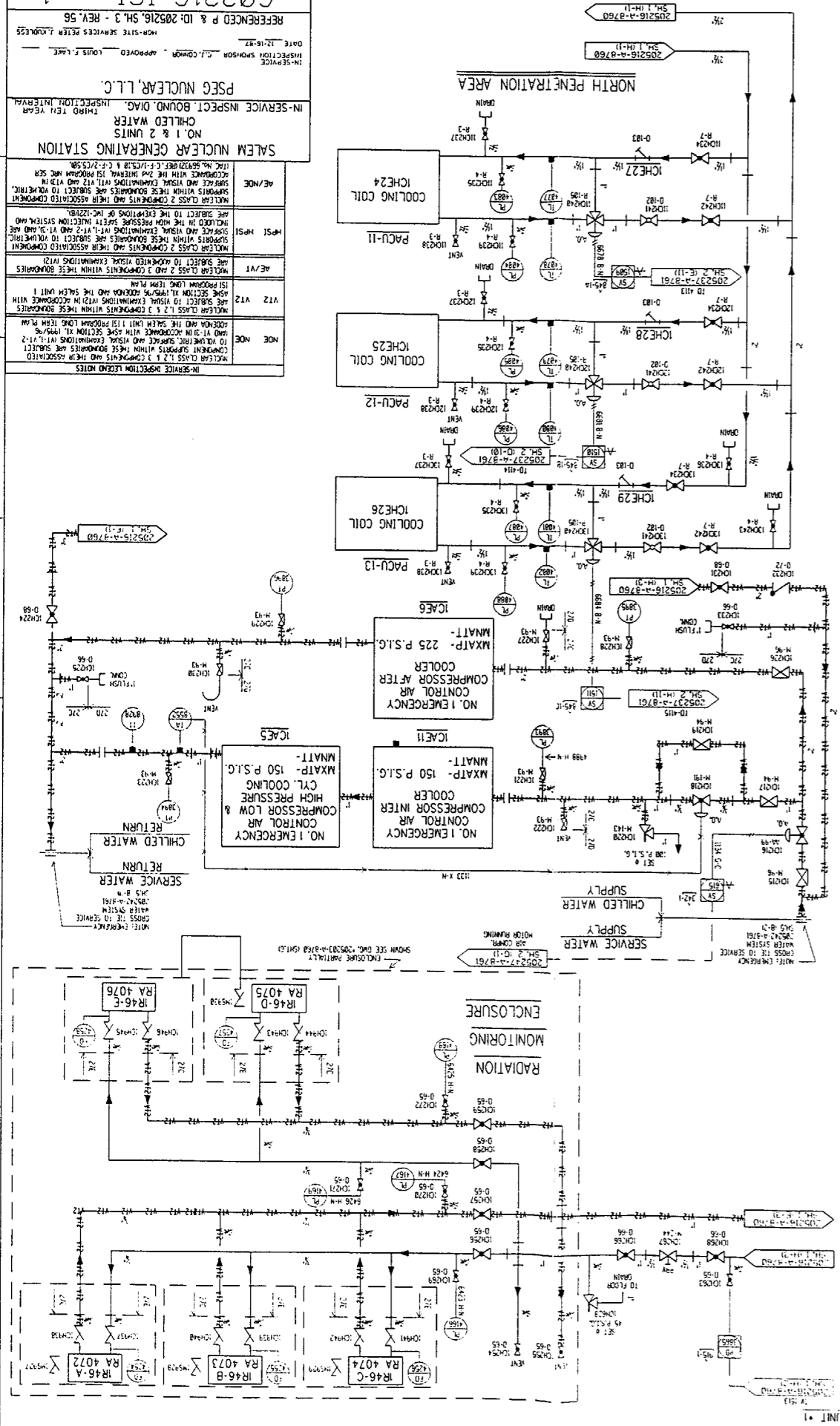
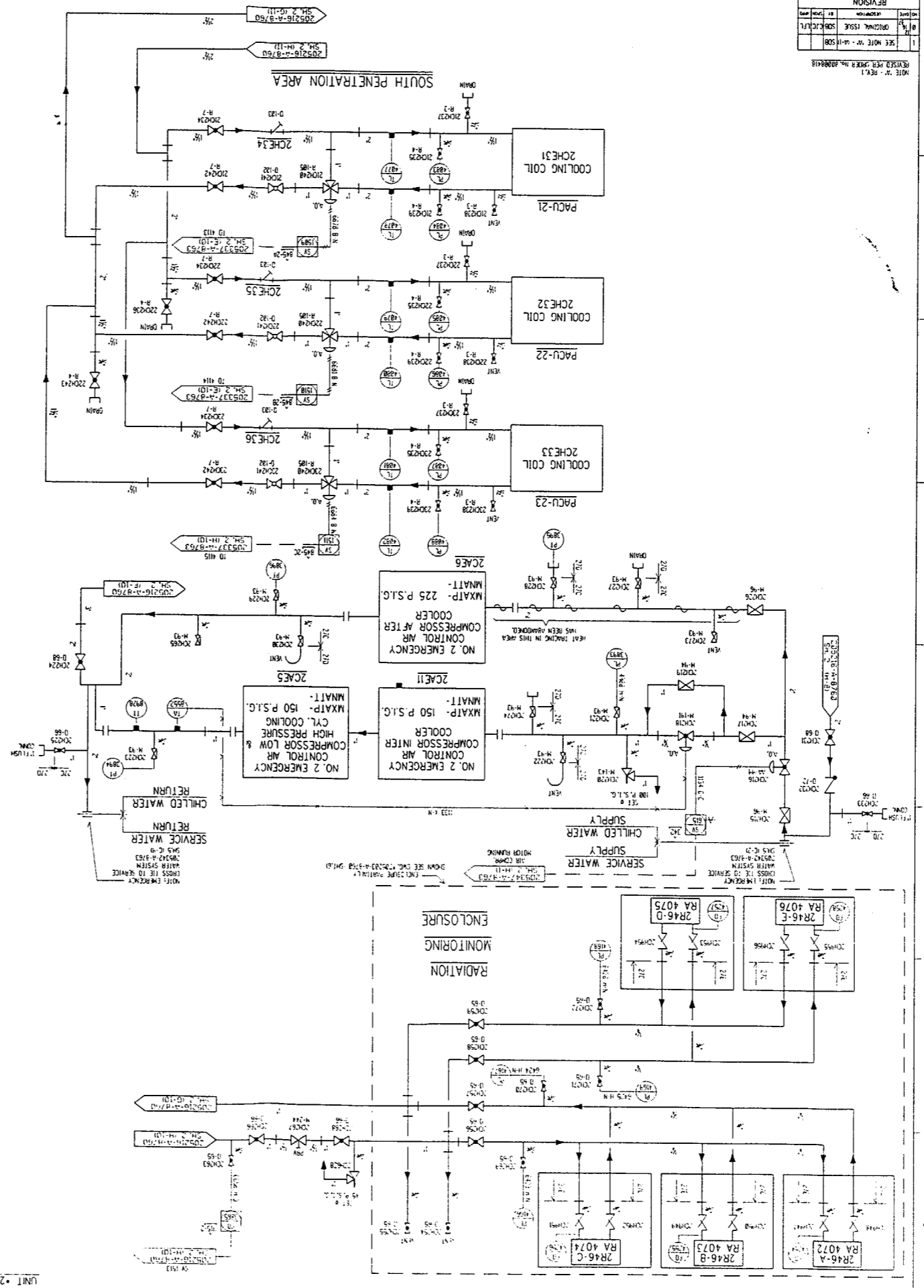
**REVISION**

NO.	DATE	DESCRIPTION
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NOTE: SEE REVISIONS FOR THE SHEET NUMBER TO BE USED.

NOTE:  
 1. THIS DRAWING IS THE PROPERTY OF PSEG NUCLEAR, L.L.C.  
 2. NO PART OF THIS DRAWING IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF PSEG NUCLEAR, L.L.C.

REVISION	
NO.	DESCRIPTION
1	REVISED PER CHG 8, 8008418
2	REVISED PER CHG 10, 8008418
3	REVISED PER CHG 11, 8008418
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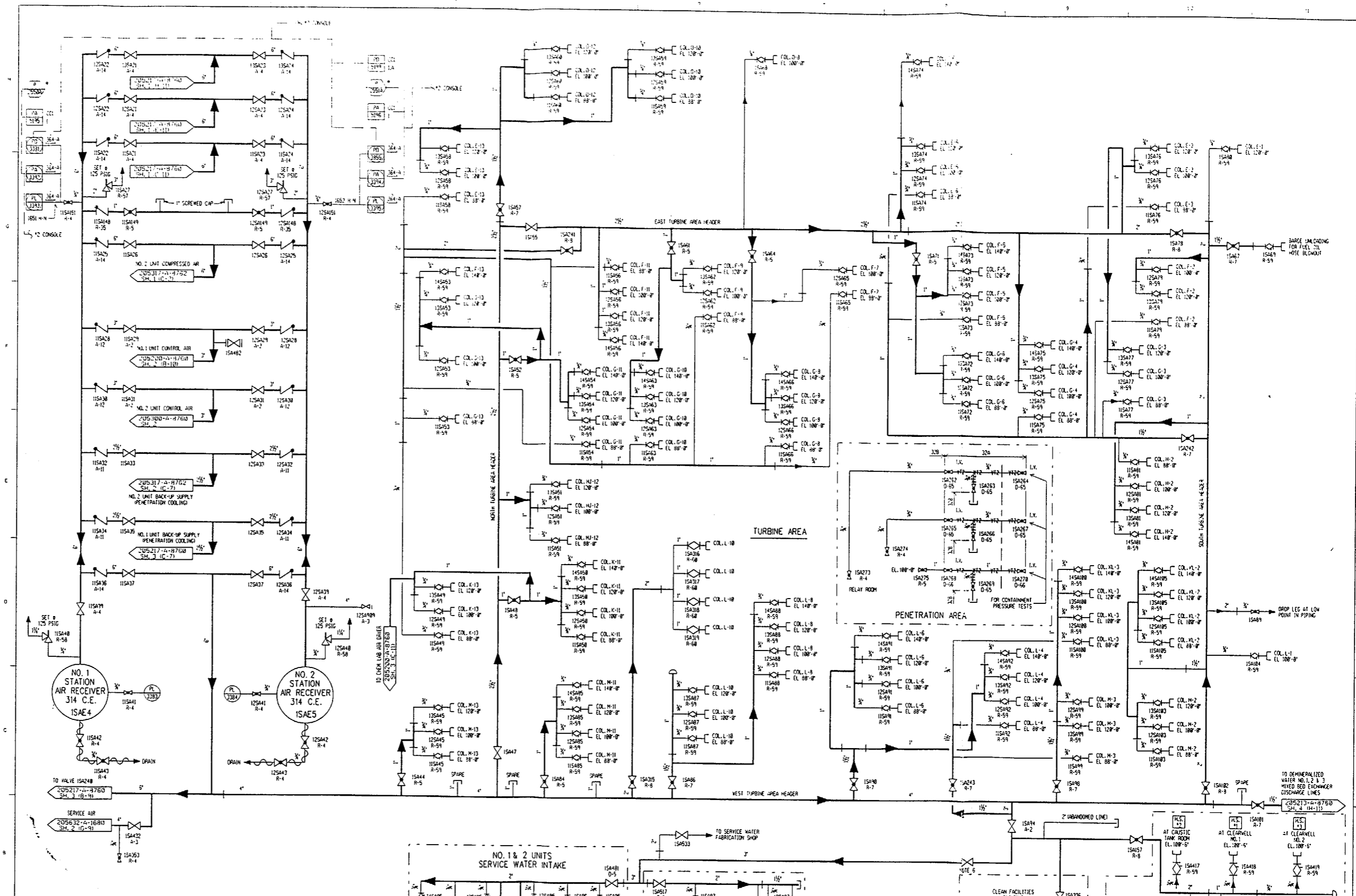


SH 3

603216-1SI-1  
 REFERENCED P & ID: 205216, SH. 3 - REV. 56  
 DATE: 12-18-87  
 INSPECTOR: J. H. WILSON  
 APPROVED: LOUIS T. LANE  
 PSEG NUCLEAR, L.L.C.  
 IN-SERVICE INSPECT. BOUND. DIAG. INSPECTION INTERVAL  
 NO. 1 & 2 UNITS  
 CHILLED WATER  
 SALEM NUCLEAR GENERATING STATION

NO.	DESCRIPTION
NOE	NUCLEAR CLASS 1 & 2 COMPONENTS AND THEIR ASSOCIATED SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL EXAMINATION WITHIN THE PROGRAM LONG TERM PLAN.
V12	NUCLEAR CLASS 1 & 2 COMPONENTS AND THEIR ASSOCIATED SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL EXAMINATION WITHIN THE PROGRAM LONG TERM PLAN.
AE/V1	NUCLEAR CLASS 2 AND 3 COMPONENTS AND THEIR ASSOCIATED SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL EXAMINATION WITHIN THE PROGRAM LONG TERM PLAN.
AE/V2	NUCLEAR CLASS 2 AND 3 COMPONENTS AND THEIR ASSOCIATED SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL EXAMINATION WITHIN THE PROGRAM LONG TERM PLAN.
AE/NOE	NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL EXAMINATION WITHIN THE PROGRAM LONG TERM PLAN.

IN-SERVICE INSPECTION LEGEND NOTES



**IN-SERVICE INSPECTION LEGEND NOTES**

NDE	NDE	NUCLEAR CLASS 1, 2 & 3 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (VT-1, VT-2 AND VT-3) IN ACCORDANCE WITH ASME SECTION XI, 1995/96 ADDENDA AND THE SALEM UNIT 1 ISI PROGRAM LONG TERM PLAN
VT2	VT2	NUCLEAR CLASS 1, 2 & 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL EXAMINATIONS (VT2) IN ACCORDANCE WITH ASME SECTION XI, 1995/96 ADDENDA AND THE SALEM UNIT 1 ISI PROGRAM LONG TERM PLAN
AE/VT		NUCLEAR CLASS 2 AND 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO AUGMENTED VISUAL EXAMINATIONS (VT2)
HPSI	HP/ST	NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (VT-1, VT-2 AND VT-3), AND ARE INCLUDED IN THE HIGH PRESSURE SAFETY INJECTION SYSTEM, AND ARE SUBJECT TO THE EXEMPTIONS OF 10CFR129.10(b).
AE/NDE		NUCLEAR CLASS 3 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (VT1, VT2 AND VT3) IN ACCORDANCE WITH THE 2ND INTERIM ISI PROGRAM MFC SER (TAC NO. 86322) REF. E-1163.10 & C-2425.00.

NOTE: "X" MARKS ARE TO BE DRAWN ON THIS DIAGRAM TO INDICATE THE RESULTS OF INSPECTIONS.

NO.	DATE	BY	REVISION
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NOTE: "X" MARKS ARE TO BE DRAWN ON THIS DIAGRAM TO INDICATE THE RESULTS OF INSPECTIONS.

NOTE: "X" MARKS ARE TO BE DRAWN ON THIS DIAGRAM TO INDICATE THE RESULTS OF INSPECTIONS.

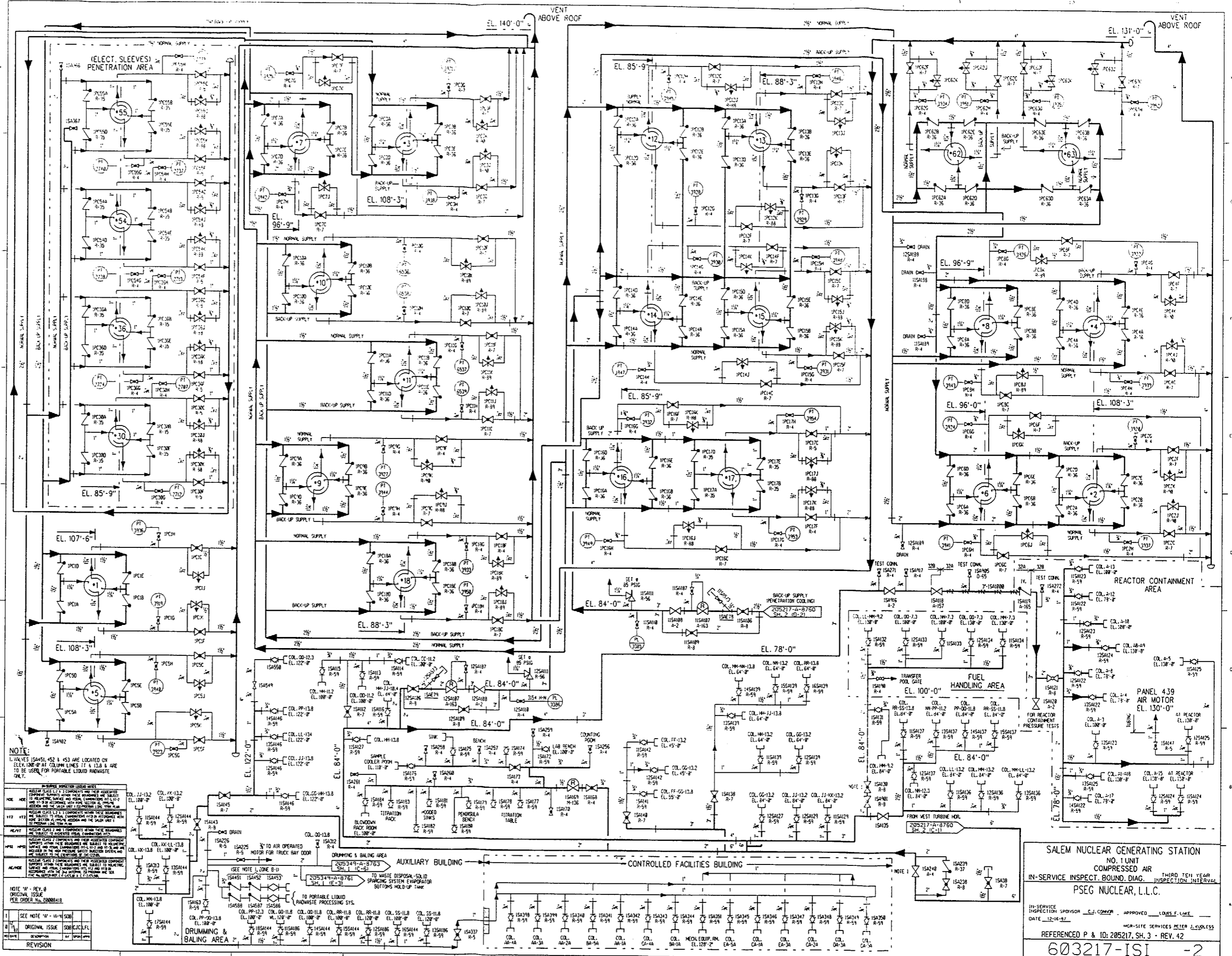
**SALEM NUCLEAR GENERATING STATION**  
**NO. 1 UNIT**  
**COMPRESSED AIR**  
**IN-SERVICE INSPECT. BOUND. DIAG. THIRD TEN YEAR INSPECTION INTERVAL**  
**PSEG NUCLEAR, L.L.C.**

IN-SERVICE INSPECTION SPONSOR \_\_\_\_\_ APPROVED \_\_\_\_\_  
 DATE \_\_\_\_\_ FOR RELIABILITY PROGRAMS

REFERENCED P & ID: 205217, SH. 2 - REV. 51

**603217-ISI - 0**

SH. 2



**NOTE:**  
 1. VALVES ISA451, 452 & 453 ARE LOCATED ON ELEV. 100'-0\"/>

**REVISIONS**

NO.	DATE	DESCRIPTION	BY	CHKD.
1	11/14/82	ORIGINAL ISSUE	SOB	CJL
2	11/14/82	REVISION	SOB	CJL

**NOTE 10 - REV. 8**  
 ORIGINAL ISSUE  
 P&ID NUMBER: 205217-10-1

**SALEM NUCLEAR GENERATING STATION**  
 NO. 1 UNIT  
 COMPRESSED AIR  
 IN-SERVICE INSPECT. BOUND. DIAG. THIRD TEN YEAR INSPECTION INTERVAL  
 PSEG NUCLEAR, L.L.C.

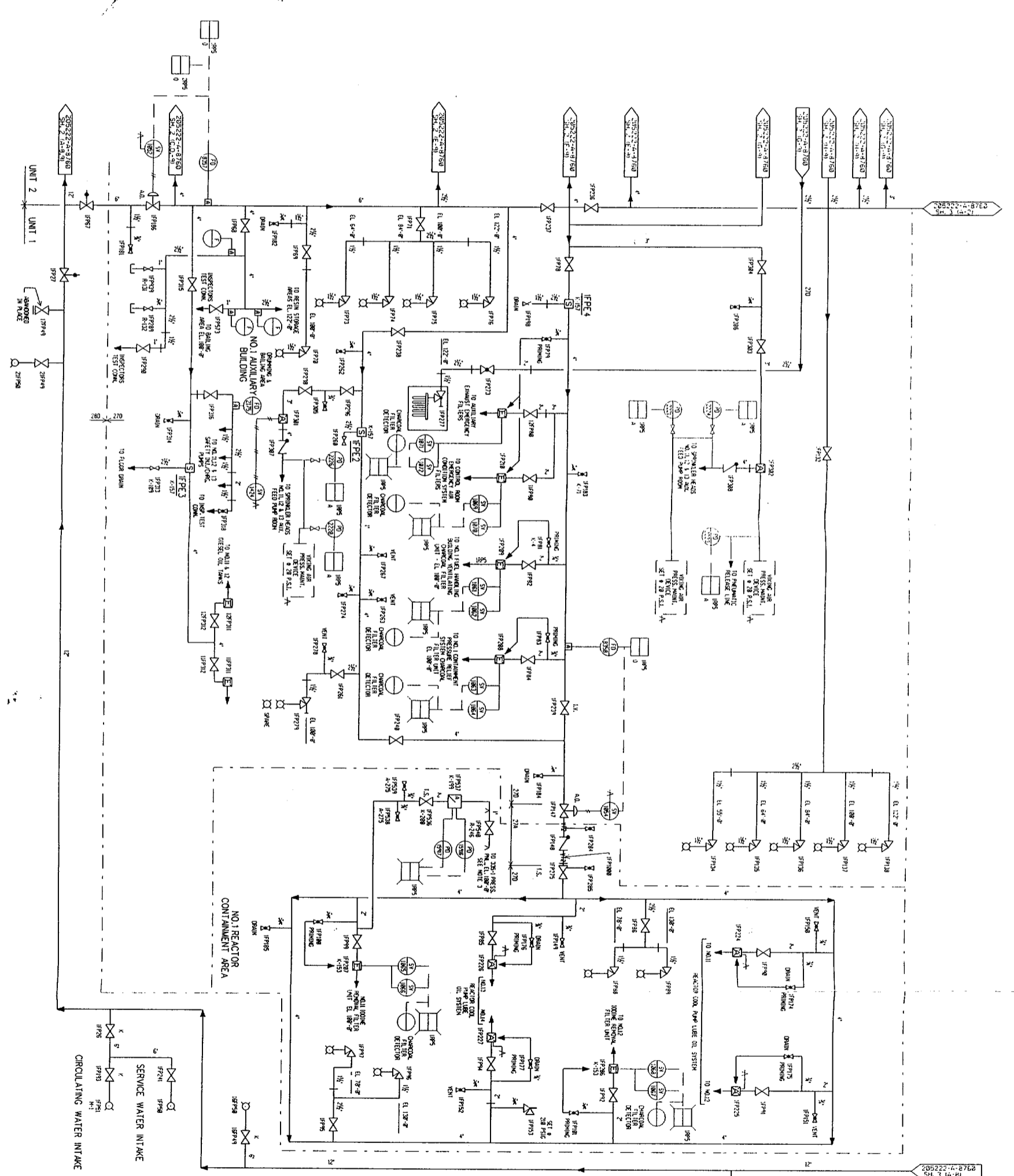
IN-SERVICE INSPECTION SPONSOR: ED. CONNER APPROVED: LOUIS E. LAKE  
 DATE: 12-16-82 MGR-SITE SERVICES: PETER J. KOLLES

REFERENCED P & ID: 205217, SH. 3 - REV. 42

**603217-ISI -2**

NOTE:  
FOR VALVE MARK NO. AS SHOWN  
ON THIS SHEET, REFER TO THE  
VALVE MARKING LIST.

NO.	DATE	BY	REVISION
1	08/01/01	SEE W/IT W. 08/01/01	
2	08/01/01	SEE W/IT W. 08/01/01	
3	08/01/01	SEE W/IT W. 08/01/01	
4	08/01/01	SEE W/IT W. 08/01/01	
5	08/01/01	SEE W/IT W. 08/01/01	



NO.	DATE	BY	REVISION
1	08/01/01	SEE W/IT W. 08/01/01	
2	08/01/01	SEE W/IT W. 08/01/01	
3	08/01/01	SEE W/IT W. 08/01/01	
4	08/01/01	SEE W/IT W. 08/01/01	
5	08/01/01	SEE W/IT W. 08/01/01	

NO.	DATE	BY	REVISION
1	08/01/01	SEE W/IT W. 08/01/01	
2	08/01/01	SEE W/IT W. 08/01/01	
3	08/01/01	SEE W/IT W. 08/01/01	
4	08/01/01	SEE W/IT W. 08/01/01	
5	08/01/01	SEE W/IT W. 08/01/01	

SALEM NUCLEAR GENERATING STATION  
NO. 1 & 2 UNITS  
FIRE PROTECTION  
INSPECT. BOUND. DIAG. INSPECTION INTERVAL

INSERVICE INSPECTION LISTED DATE

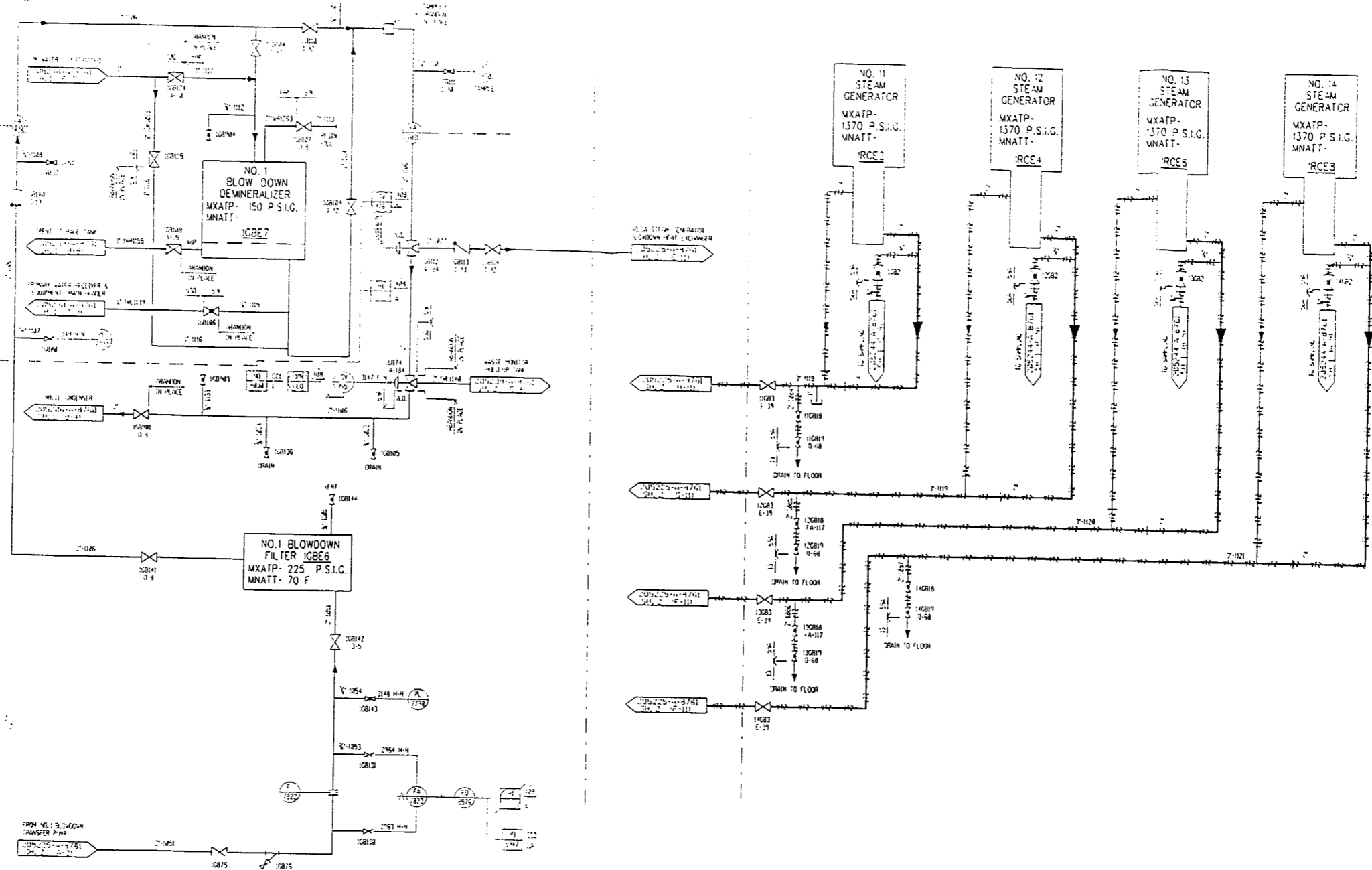
NO.	DATE	BY	REVISION
NOE	NOE	NOE	NOE
V12	V12	V12	V12
AE/V1	AE/V1	AE/V1	AE/V1
AE/V2	AE/V2	AE/V2	AE/V2

NOTES:

1. FOR TIGHTENING CONSTRUCTION PIPING SEE DRAWING 371-2-1000.
2. SET PIPE SPRINKLER SYSTEMS COVER AREAS AROUND UPRIGHT DISTRIBUTION AT ELEVATIONS INDICATED.
3. 1/2" SPRINKLING SPRINKLER HEAD MONITORED FOR INSPECTIONS TEST COME.
4. ALL LINE AND SPRINKLER HEADS TO BE MONITORED FOR LEAKS.
5. ALL INSPECTIONS TO BE MADE QUARTERLY TO BE MAINTAINED TO CONTAIN THE PRESSURE WITHIN UNIT 1 & 2 FOR UNIT 2.

INSERVICE INSPECTION LISTED DATE

NO.	DATE	BY	REVISION
NOE	NOE	NOE	NOE
V12	V12	V12	V12
AE/V1	AE/V1	AE/V1	AE/V1
AE/V2	AE/V2	AE/V2	AE/V2



ESDM				
TRANSLATION				
BOUNDARY	UNIT	TEMP	TEMP	TEMP
11A	11	11	11	11
11B	11	11	11	11
11C	11	11	11	11
11D	11	11	11	11
11E	11	11	11	11
11F	11	11	11	11
11G	11	11	11	11
11H	11	11	11	11
11I	11	11	11	11
11J	11	11	11	11
11K	11	11	11	11
11L	11	11	11	11
11M	11	11	11	11
11N	11	11	11	11
11O	11	11	11	11
11P	11	11	11	11
11Q	11	11	11	11
11R	11	11	11	11
11S	11	11	11	11
11T	11	11	11	11
11U	11	11	11	11
11V	11	11	11	11
11W	11	11	11	11
11X	11	11	11	11
11Y	11	11	11	11
11Z	11	11	11	11

IT SHALL BE UNDERSTOOD THAT BOUNDARY NUMBERS SHOWN ON THIS DRAWING SHALL CONTAIN THE PREFIX '55' UNLESS OTHERWISE NOTED.

- NOTES:
- ALL PRESSURES SHOWN ON EQUIPMENT ARE MAXIMUM ALLOWABLE PRESSURES FOR HYDROTESTING PURPOSES ONLY. HYDROSTATIC PRESSURE AND TEMPERATURE PARAMETERS ARE TO BE AS DESIGNATED ON FIELD DIRECTIVE 55-1000-000-001.
  - FOR PRESSURE AND TEMPERATURE PARAMETERS REFER TO THE CONDITIONS AT THE ORIGINATING SOURCE HEADER.
  - ALL PIPE LINE NUMBERS SHALL BE UNDERSTOOD TO CONTAIN THE PREFIX '55' (I.E. 55-1000-000-001) EXCEPT WHERE OTHERWISE NOTED.
  - WITH THE INSERTION OF BLOW DOWN BLANKS (D-12) IN THE FOUR (4) LINES LEADING TO THE NO. 11 STEAM GENERATOR BLOWDOWN TANK, THE NO. 11-1002 VALVES, THE NO. 11-1003 HEAT EXCHANGER, THE NO. 11 BLOWDOWN TRANSFER PUMP AND ALL ASSOCIATED DOWNSTREAM EQUIPMENT ARE NO LONGER IN SERVICE.
  - ALL VALVE AIR OPERATORS SHALL BE UNDERSTOOD TO BE NUMBERED WITH THE VALVE GENERATION NUMBER-SIZE-ORIENTATION.
  - ALL INSTRUMENTATION TO BE UNDERSTOOD TO CONTAIN THE PREFIX 'T' FOR UNIT 1.
  - PIPING CLASS 530 WAS ORIGINALLY CLASSIFIED AS NUCLEAR CLASS III. 530 CLASS RECLASSIFIED PIPING CLASS 530 TO BE NON-NUCLEAR. ANY MAINTENANCE, REPAIR AND/OR MODIFICATION HEREON SHALL COMPLY WITH THE REQUIREMENTS OF RECLASSIFIED PIPING CLASS.

NOTE: (1) ALL INSTRUMENTATION IS TO BE CLASSIFIED AS NUCLEAR CLASS III UNLESS OTHERWISE NOTED.

NOTE 12 - REV. 1  
REVISED PER ORDER NO. 2005225

REV.	DATE	BY	DESCRIPTION
1	12-16-87	...	...
2	...	...	...
3	...	...	...
4	...	...	...
5	...	...	...
6	...	...	...
7	...	...	...
8	...	...	...
9	...	...	...
10	...	...	...

IN-SERVICE INSPECTION LEGEND NOTES	
NOE	NUCLEAR CLASS 1, 2 & 3 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (VT-1, VT-2 AND VT-3) IN ACCORDANCE WITH ASME SECTION XI, PIPING ADDENDUM AND THE SALEM UNIT 1 ISI PROGRAM LONG TERM PLAN.
VT2	NUCLEAR CLASS 1, 2 & 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL EXAMINATIONS (VT2) IN ACCORDANCE WITH ASME SECTION XI, PIPING ADDENDUM AND THE SALEM UNIT 1 ISI PROGRAM LONG TERM PLAN.
AE/VT	NUCLEAR CLASS 2 AND 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO AUGMENTED VISUAL EXAMINATIONS (VT2).
NPSE	NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (VT-1, VT-2 AND VT-3) AND ARE INCLUDED IN THE HIGH PRESSURE SAFETY INJECTION SYSTEM AND ARE SUBJECT TO THE EXEMPTIONS OF TMC-122HBL.
AE/NCE	NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (VT-1, VT-2 AND VT-3) IN ACCORDANCE WITH THE 2ND INTERIM ISI PROGRAM NRC SER. STAC NO. 603225-REV. 6-2-1985/10 & 6-2-1985/20.

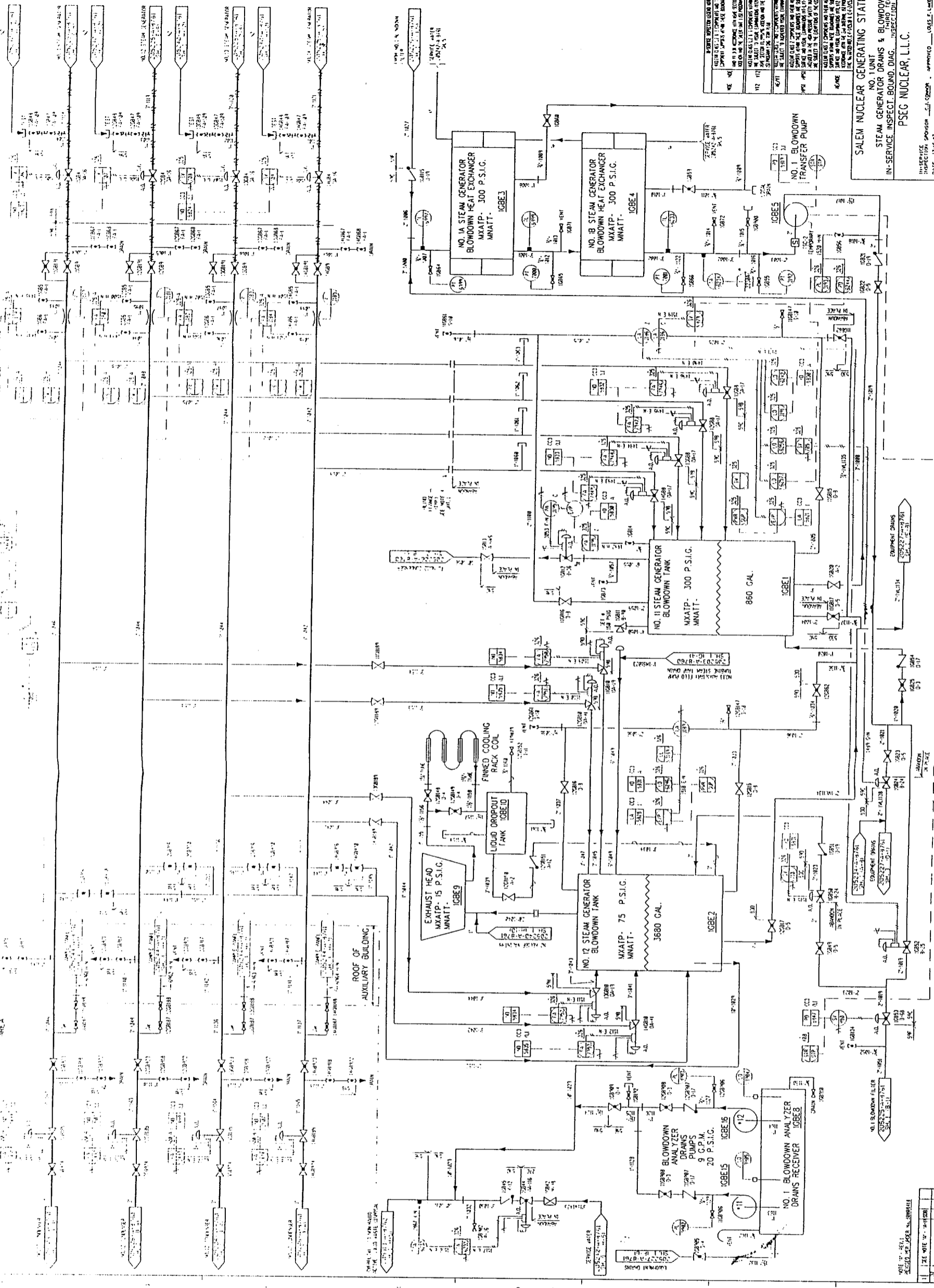
SALEM NUCLEAR GENERATING STATION  
NO. 1 UNIT  
STEAM GENERATOR DRAINS & BLOWDOWN  
IN-SERVICE INSPECT. BOUND. DIAG. THIRD YEAR INSPECTION INTERVAL  
PSEG NUCLEAR, L.L.C.

IN-SERVICE INSPECTION SPONSOR: C.J. CONNER, APPROVED: JAMES E. LANE  
DATE: 12-16-87  
NRC-SITE SERVICES: PETER A. KRUESS

REFERENCED P & ID: 205225, SH. 1 - REV. 43  
603225-ISI -1

GENERATOR AREA

GENERATOR AREA



NOTE:  
 1. THIS DRAWING IS A PART OF THE DESIGN FOR THE SALEM NUCLEAR GENERATING STATION.  
 2. THIS DRAWING IS THE PROPERTY OF PSEC NUCLEAR, L.L.C. AND IS NOT TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF PSEC NUCLEAR, L.L.C.

NO.	DATE	DESCRIPTION
1	12-14-82	ISSUED FOR CONSTRUCTION
2	01-15-83	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER
3	03-15-83	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
4	05-15-83	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
5	07-15-83	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
6	09-15-83	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
7	11-15-83	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
8	01-15-84	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
9	03-15-84	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
10	05-15-84	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
11	07-15-84	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
12	09-15-84	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
13	11-15-84	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
14	01-15-85	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
15	03-15-85	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
16	05-15-85	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
17	07-15-85	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
18	09-15-85	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
19	11-15-85	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
20	01-15-86	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
21	03-15-86	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
22	05-15-86	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
23	07-15-86	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
24	09-15-86	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
25	11-15-86	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
26	01-15-87	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
27	03-15-87	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
28	05-15-87	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
29	07-15-87	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
30	09-15-87	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
31	11-15-87	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
32	01-15-88	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
33	03-15-88	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
34	05-15-88	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
35	07-15-88	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
36	09-15-88	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
37	11-15-88	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
38	01-15-89	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
39	03-15-89	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
40	05-15-89	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
41	07-15-89	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
42	09-15-89	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
43	11-15-89	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
44	01-15-90	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
45	03-15-90	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
46	05-15-90	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
47	07-15-90	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
48	09-15-90	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
49	11-15-90	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
50	01-15-91	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
51	03-15-91	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
52	05-15-91	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
53	07-15-91	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
54	09-15-91	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
55	11-15-91	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
56	01-15-92	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
57	03-15-92	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
58	05-15-92	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
59	07-15-92	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
60	09-15-92	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
61	11-15-92	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
62	01-15-93	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
63	03-15-93	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
64	05-15-93	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
65	07-15-93	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
66	09-15-93	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
67	11-15-93	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
68	01-15-94	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
69	03-15-94	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
70	05-15-94	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
71	07-15-94	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
72	09-15-94	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
73	11-15-94	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
74	01-15-95	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
75	03-15-95	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
76	05-15-95	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
77	07-15-95	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
78	09-15-95	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
79	11-15-95	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
80	01-15-96	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
81	03-15-96	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
82	05-15-96	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
83	07-15-96	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
84	09-15-96	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
85	11-15-96	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
86	01-15-97	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
87	03-15-97	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
88	05-15-97	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
89	07-15-97	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
90	09-15-97	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
91	11-15-97	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
92	01-15-98	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
93	03-15-98	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
94	05-15-98	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
95	07-15-98	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
96	09-15-98	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
97	11-15-98	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
98	01-15-99	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
99	03-15-99	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER
100	05-15-99	REVISED TO ADD NO. 1 BLOWDOWN ANALYZER DRAINS RECEIVER

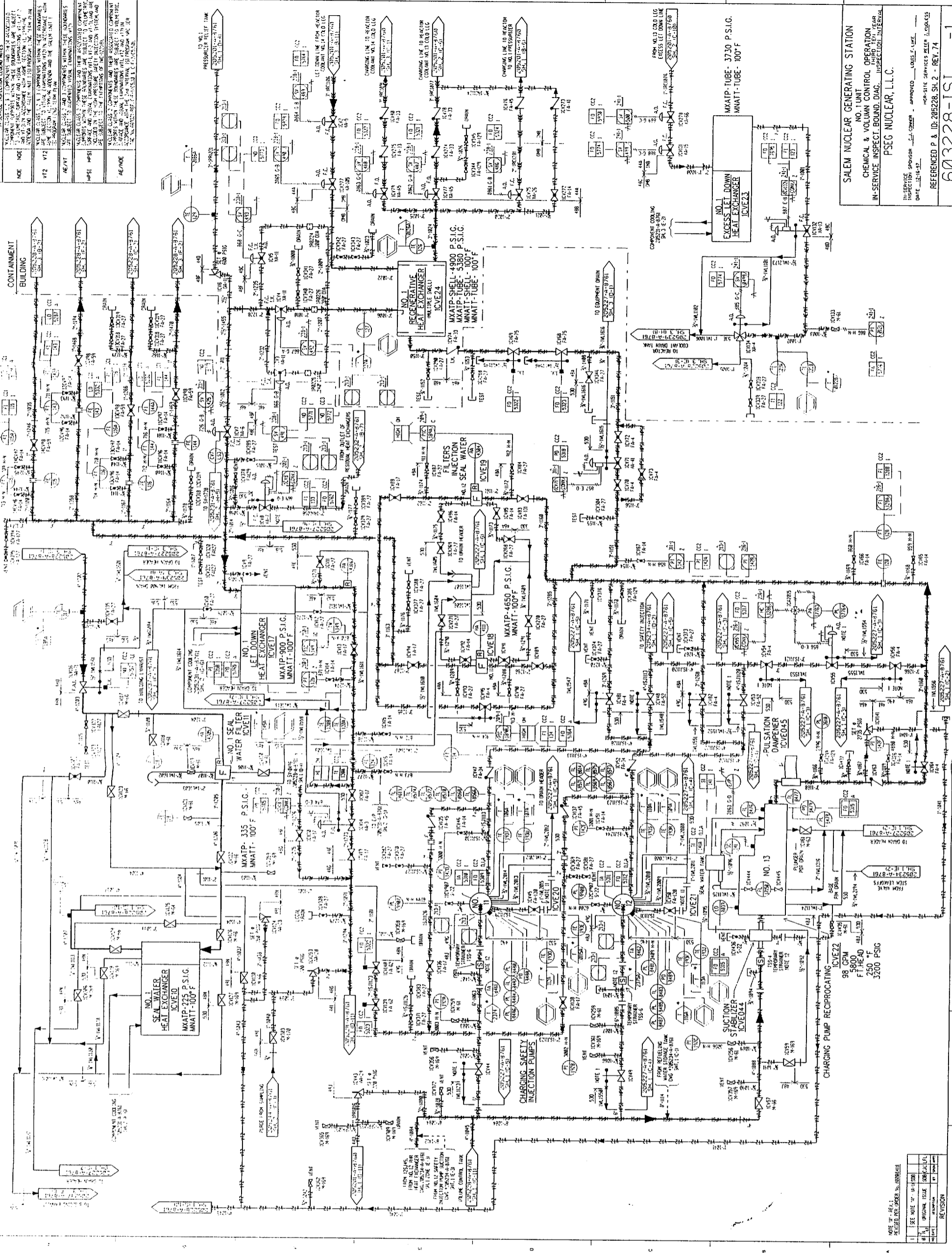
SALEM NUCLEAR GENERATING STATION  
 NO. 1 UNIT  
 STEAM GENERATOR DRAINS & BLOWDOWN  
 IN-SERVICE INSPECT BOUND. DIAG. INSTRUMENTATION  
 PSEC NUCLEAR, L.L.C.  
 INSPECTOR: [Name] APPROVED: [Name]  
 DATE: 12-14-82  
 HIGH-SITE SERVICES REF. 603225-1

603225-1SI -1  
 SH 2









CONTAINMENT BUILDING

NO. 1 SEAL WATER HEAT EXCHANGER ICVE10  
NO. 1 SEAL WATER FILTER ICVE11  
NO. 1 SEAL WATER FILTER ICVE12  
NO. 1 SEAL WATER FILTER ICVE13  
NO. 1 SEAL WATER FILTER ICVE14  
NO. 1 SEAL WATER FILTER ICVE15  
NO. 1 SEAL WATER FILTER ICVE16  
NO. 1 SEAL WATER FILTER ICVE17  
NO. 1 SEAL WATER FILTER ICVE18  
NO. 1 SEAL WATER FILTER ICVE19  
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NO. 1 SEAL WATER FILTER ICVE25  
NO. 1 SEAL WATER FILTER ICVE26  
NO. 1 SEAL WATER FILTER ICVE27  
NO. 1 SEAL WATER FILTER ICVE28  
NO. 1 SEAL WATER FILTER ICVE29  
NO. 1 SEAL WATER FILTER ICVE30

NDE	INSPECTION	DESCRIPTION
V12	VI2	VALVE 12-101 (V12) IS A CLASS 1 VALVE AND IS SUBJECT TO INSPECTION PER THE SALEM UNIT 2 INSPECTION PROGRAM. THE SALEM UNIT 2 INSPECTION PROGRAM IS DESCRIBED IN THE SALEM UNIT 2 INSPECTION PROGRAM REPORT (SIPR) DATED 10/25/73.
HEAVT		HEAVY LIFT DEVICE (HEAVT) IS A CLASS 1 DEVICE AND IS SUBJECT TO INSPECTION PER THE SALEM UNIT 2 INSPECTION PROGRAM. THE SALEM UNIT 2 INSPECTION PROGRAM IS DESCRIBED IN THE SALEM UNIT 2 INSPECTION PROGRAM REPORT (SIPR) DATED 10/25/73.
HP-S1		HEAVY PORT (HP-S1) IS A CLASS 1 PORT AND IS SUBJECT TO INSPECTION PER THE SALEM UNIT 2 INSPECTION PROGRAM. THE SALEM UNIT 2 INSPECTION PROGRAM IS DESCRIBED IN THE SALEM UNIT 2 INSPECTION PROGRAM REPORT (SIPR) DATED 10/25/73.
AE-RD6		ANNEALING RACK (AE-RD6) IS A CLASS 1 RACK AND IS SUBJECT TO INSPECTION PER THE SALEM UNIT 2 INSPECTION PROGRAM. THE SALEM UNIT 2 INSPECTION PROGRAM IS DESCRIBED IN THE SALEM UNIT 2 INSPECTION PROGRAM REPORT (SIPR) DATED 10/25/73.

SALEM NUCLEAR GENERATING STATION  
NO. 1 UNIT  
CHEMICAL & VOLUME CONTROL OPERATION  
THIRD YEAR  
IN-SERVICE INSPECT. BOUND. DIAG. INSPECTION INTERNAL  
PSEG NUCLEAR, I.L.C.

INSPECTION REPORT NO. 40857-1/82  
DATE 04-15-74  
APPROVED: \_\_\_\_\_  
FOR-SITE SERVICES REP. E-084423  
REFERENCES: P & ID: 208228, SH.2 - REV. 74

603228-181 -1  
SH. 2

NOTE: SEE SHEET NO. 603228-182 FOR CONTINUATION OF THIS SHEET.

NO.	DATE	REVISION
1		ISSUED

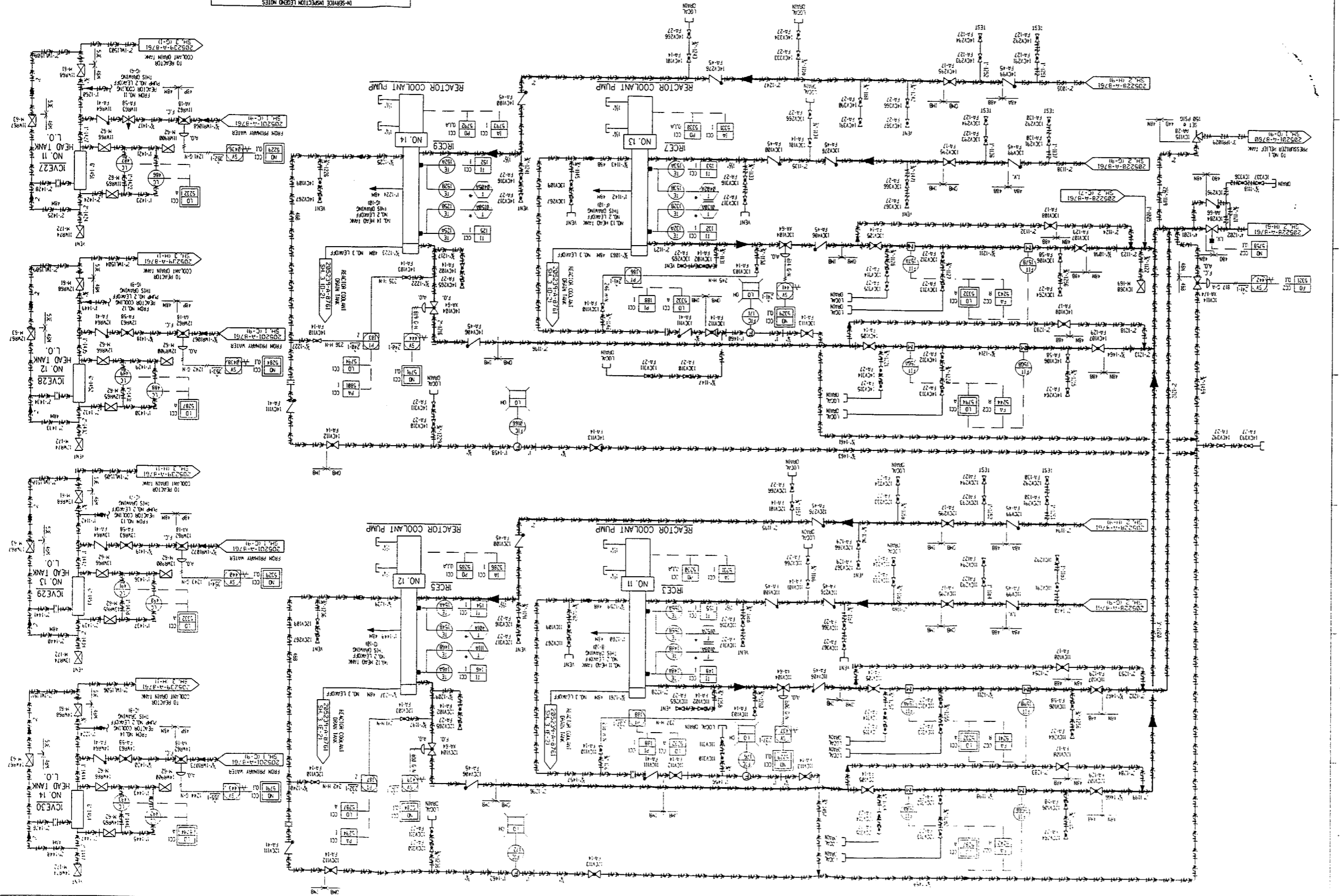
NOTE:  
FOR WATER PUMP AND VALVE SYMBOLS  
SEE THE REVISION TABLE

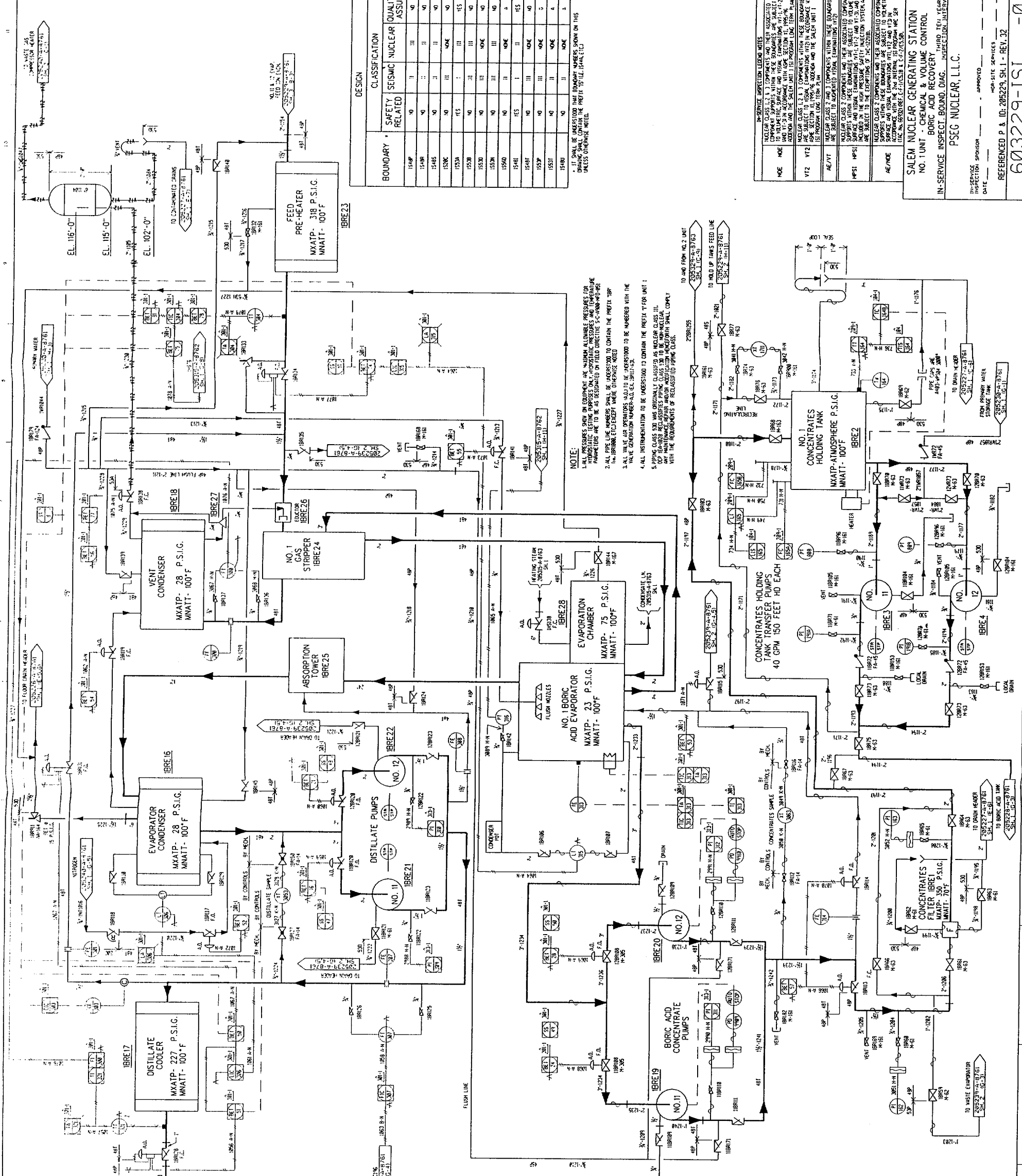
REVISION	
NO.	DESCRIPTION
1	SEE NOTE W-441-208
2	ORIGINAL ISSUE

REVISED PER ORDER NO. 88888818  
DATE: 11-1-82

SALEM NUCLEAR GENERATING STATION  
CHEMICAL AND VOLUME CONTROL OPERATION  
NO. 1 UNIT  
IN-SERVICE INSPECT. BOUND. DIAG.  
INSPECTION PERSONNEL: [Name], [Name], [Name]  
DATE: 12-16-82  
PSEG NUCLEAR, L.L.C.  
REFERENCED P & ID: 205228-SH-3 - REV. 45  
603228-1SI-1

IN-SERVICE INSPECTION LEGEND NOTES	
NOE	NUCLEAR CLASS 1, 2 & 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL EXAMINATIONS WITHIN THESE BOUNDARIES AND THE SAME UNIT 1. ADDITIONAL INSPECTION LOGS TERM PLAN.
VIZ	NUCLEAR CLASS 2 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL EXAMINATIONS WITHIN THESE BOUNDARIES AND THE SAME UNIT 1. ADDITIONAL INSPECTION LOGS TERM PLAN.
MSI	NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL EXAMINATIONS WITHIN THESE BOUNDARIES AND THE SAME UNIT 1. ADDITIONAL INSPECTION LOGS TERM PLAN.
AP/NOE	NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL EXAMINATIONS WITHIN THESE BOUNDARIES AND THE SAME UNIT 1. ADDITIONAL INSPECTION LOGS TERM PLAN.





BOUNDARY	DESIGN CLASSIFICATION			
	SAFETY RELATED	SEISMIC	NUCLEAR	QUALITY ASSUR.
1540P	NO	II	III	NO
1540R	NO	II	III	NO
1540S	NO	II	III	NO
1530K	NO	III	NO	NO
1533A	YES	I	III	YES
1533B	NO	II	III	NO
1533C	NO	II	NO	NO
1533D	NO	III	III	NO
1533E	NO	III	III	NO
1533F	NO	III	III	NO
1548I	NO	I	II	YES
1548T	NO	III	NO	NO
1533P	NO	III	NO	NO
1533T	NO	III	NO	NO
1548U	NO	II	III	NO

NOTE: 1. ALL PRESSURES SHOWN ON EQUIPMENT ARE MAXIMUM ALLOWABLE WORKING PRESSURES FOR THE DESIGN CLASSIFICATION. POSSIBLE PRESSURES AND TEMPERATURES ARE TO BE AS DETERMINED BY FIELD OPERATING PROCEDURES. 2. ALL PRESSURES SHOWN ON PIPING ARE TO BE AS DETERMINED BY FIELD OPERATING PROCEDURES. 3. ALL PRESSURES SHOWN ON INSTRUMENTS ARE TO BE AS DETERMINED BY FIELD OPERATING PROCEDURES. 4. ALL INSTRUMENTATION TO BE UNDERSTOOD TO CONTAIN THE PREFIX 'IBR'. 5. ALL INSTRUMENTATION TO BE UNDERSTOOD TO CONTAIN THE PREFIX 'TYPOR UNIT'. 6. PIPING CLASS 530 WAS ORIGINALLY CLASSIFIED AS NUCLEAR CLASS III. 7. PIPING CLASS 530 WAS RECLASSIFIED TO BE NON-NUCLEAR. 8. PIPING CLASS 530 SHALL COMPLY WITH THE REQUIREMENTS OF RECLASSIFIED PIPING CLASS.

NOE	VI2	AE/WT	MPST	AE/NOE
NOE	VI2	AE/WT	MPST	AE/NOE

IN-SERVICE INSPECTION LEGEND NOTES

NUCLEAR CLASS 1, 2, & 3 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE PARAMETERS ARE SUBJECT TO INSPECTION IN ACCORDANCE WITH SECTION 11.1.2.1 AND 11.2.3 IN ACCORDANCE WITH ASME SECTION XI, PAR. 11.2.1.2 AND THE SAFETY UNIT 11.5 PROGRAM LONG TERM PLAN.

NUCLEAR CLASS 1, 2, & 3 COMPONENTS WITHIN THESE PARAMETERS ARE SUBJECT TO INSPECTION IN ACCORDANCE WITH SECTION 11.1.2.1 AND 11.2.3 IN ACCORDANCE WITH ASME SECTION XI, PAR. 11.2.1.2 AND THE SAFETY UNIT 11.5 PROGRAM LONG TERM PLAN.

NUCLEAR CLASS 2 AND 3 COMPONENTS WITHIN THESE PARAMETERS ARE SUBJECT TO INSPECTION IN ACCORDANCE WITH SECTION 11.1.2.1 AND 11.2.3 IN ACCORDANCE WITH ASME SECTION XI, PAR. 11.2.1.2 AND THE SAFETY UNIT 11.5 PROGRAM LONG TERM PLAN.

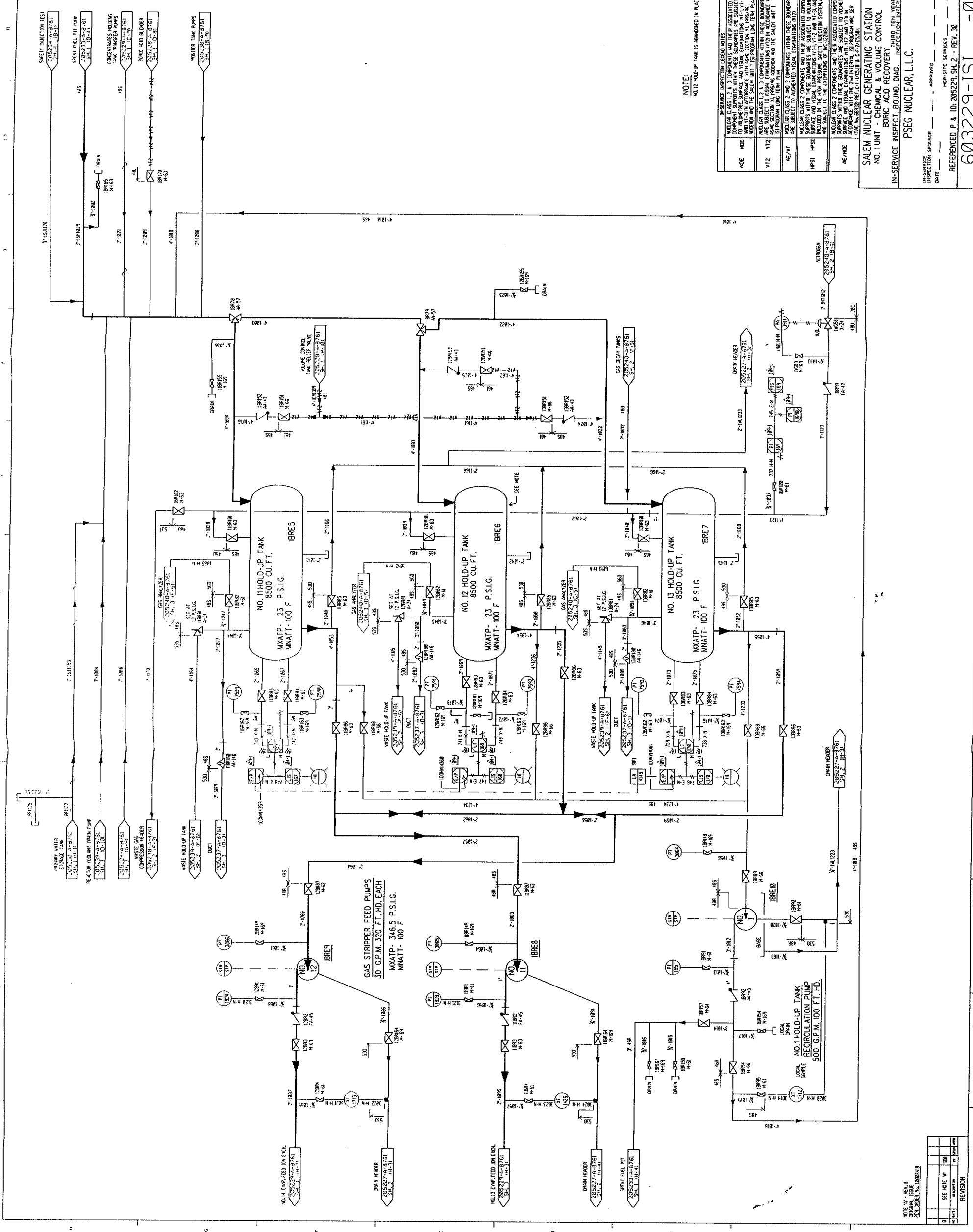
NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE PARAMETERS ARE SUBJECT TO INSPECTION IN ACCORDANCE WITH SECTION 11.1.2.1 AND 11.2.3 IN ACCORDANCE WITH ASME SECTION XI, PAR. 11.2.1.2 AND THE SAFETY UNIT 11.5 PROGRAM LONG TERM PLAN.

NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE PARAMETERS ARE SUBJECT TO INSPECTION IN ACCORDANCE WITH SECTION 11.1.2.1 AND 11.2.3 IN ACCORDANCE WITH ASME SECTION XI, PAR. 11.2.1.2 AND THE SAFETY UNIT 11.5 PROGRAM LONG TERM PLAN.

SALEM NUCLEAR GENERATING STATION  
NO. 1 UNIT - CHEMICAL & VOLUME CONTROL  
BORIC ACID RECOVERY - THIRD YEAR  
IN-SERVICE INSPECT. BOUND. DIAG. - INSPECTION INTERNAL  
PSEG NUCLEAR, L.L.C.

DATE: \_\_\_\_\_ APPROVED: \_\_\_\_\_  
DESIGNER: \_\_\_\_\_  
CHECKED: \_\_\_\_\_  
REVISION: \_\_\_\_\_

NO.	DATE	DESCRIPTION
1	REV. 0	ORIGINAL ISSUE
2	REV. 1	SEE NOTE W
3	REV. 2	SEE NOTE W
4	REV. 3	SEE NOTE W
5	REV. 4	SEE NOTE W
6	REV. 5	SEE NOTE W
7	REV. 6	SEE NOTE W
8	REV. 7	SEE NOTE W
9	REV. 8	SEE NOTE W
10	REV. 9	SEE NOTE W
11	REV. 10	SEE NOTE W
12	REV. 11	SEE NOTE W
13	REV. 12	SEE NOTE W
14	REV. 13	SEE NOTE W
15	REV. 14	SEE NOTE W
16	REV. 15	SEE NOTE W
17	REV. 16	SEE NOTE W
18	REV. 17	SEE NOTE W
19	REV. 18	SEE NOTE W
20	REV. 19	SEE NOTE W
21	REV. 20	SEE NOTE W
22	REV. 21	SEE NOTE W
23	REV. 22	SEE NOTE W
24	REV. 23	SEE NOTE W
25	REV. 24	SEE NOTE W
26	REV. 25	SEE NOTE W
27	REV. 26	SEE NOTE W
28	REV. 27	SEE NOTE W
29	REV. 28	SEE NOTE W
30	REV. 29	SEE NOTE W
31	REV. 30	SEE NOTE W
32	REV. 31	SEE NOTE W
33	REV. 32	SEE NOTE W
34	REV. 33	SEE NOTE W
35	REV. 34	SEE NOTE W
36	REV. 35	SEE NOTE W
37	REV. 36	SEE NOTE W
38	REV. 37	SEE NOTE W
39	REV. 38	SEE NOTE W
40	REV. 39	SEE NOTE W
41	REV. 40	SEE NOTE W
42	REV. 41	SEE NOTE W
43	REV. 42	SEE NOTE W
44	REV. 43	SEE NOTE W
45	REV. 44	SEE NOTE W
46	REV. 45	SEE NOTE W
47	REV. 46	SEE NOTE W
48	REV. 47	SEE NOTE W
49	REV. 48	SEE NOTE W
50	REV. 49	SEE NOTE W
51	REV. 50	SEE NOTE W
52	REV. 51	SEE NOTE W
53	REV. 52	SEE NOTE W
54	REV. 53	SEE NOTE W
55	REV. 54	SEE NOTE W
56	REV. 55	SEE NOTE W
57	REV. 56	SEE NOTE W
58	REV. 57	SEE NOTE W
59	REV. 58	SEE NOTE W
60	REV. 59	SEE NOTE W
61	REV. 60	SEE NOTE W
62	REV. 61	SEE NOTE W
63	REV. 62	SEE NOTE W
64	REV. 63	SEE NOTE W
65	REV. 64	SEE NOTE W
66	REV. 65	SEE NOTE W
67	REV. 66	SEE NOTE W
68	REV. 67	SEE NOTE W
69	REV. 68	SEE NOTE W
70	REV. 69	SEE NOTE W
71	REV. 70	SEE NOTE W
72	REV. 71	SEE NOTE W
73	REV. 72	SEE NOTE W
74	REV. 73	SEE NOTE W
75	REV. 74	SEE NOTE W
76	REV. 75	SEE NOTE W
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80	REV. 79	SEE NOTE W
81	REV. 80	SEE NOTE W
82	REV. 81	SEE NOTE W
83	REV. 82	SEE NOTE W
84	REV. 83	SEE NOTE W
85	REV. 84	SEE NOTE W
86	REV. 85	SEE NOTE W
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89	REV. 88	SEE NOTE W
90	REV. 89	SEE NOTE W
91	REV. 90	SEE NOTE W
92	REV. 91	SEE NOTE W
93	REV. 92	SEE NOTE W
94	REV. 93	SEE NOTE W
95	REV. 94	SEE NOTE W
96	REV. 95	SEE NOTE W
97	REV. 96	SEE NOTE W
98	REV. 97	SEE NOTE W
99	REV. 98	SEE NOTE W
100	REV. 99	SEE NOTE W



NOTE:  
NO. 12 HOLD-UP TANK IS REMOVED IN PLACE.

NOE	DESCRIPTION
VT2	VT2 CLASS 1, 2 & 3 COMPONENTS WITHIN THESE ROOMS ARE SUBJECT TO VISUAL INSPECTION WITHIN THE 2ND INTERVIEW PROGRAM LONG TERM PLAN
AE/VT	AE/VT CLASS 1, 2 & 3 COMPONENTS WITHIN THESE ROOMS ARE SUBJECT TO VISUAL INSPECTION WITHIN THE 2ND INTERVIEW PROGRAM LONG TERM PLAN
MPST	MPST CLASS 1, 2 & 3 COMPONENTS WITHIN THESE ROOMS ARE SUBJECT TO VISUAL INSPECTION WITHIN THE 2ND INTERVIEW PROGRAM LONG TERM PLAN
AE/NOE	AE/NOE CLASS 1, 2 & 3 COMPONENTS WITHIN THESE ROOMS ARE SUBJECT TO VISUAL INSPECTION WITHIN THE 2ND INTERVIEW PROGRAM LONG TERM PLAN

SALEM NUCLEAR GENERATING STATION  
NO. 1 UNIT - CHEMICAL & VOLUME CONTROL  
BORIC ACID RECOVERY  
IN-SERVICE INSPECT. BOUND. DIAG. INSPECTION INTERVAL  
PSEG NUCLEAR, L.L.C.

THIRD TEN YEAR  
REVISION  
DATE: \_\_\_\_\_  
APPROVED: \_\_\_\_\_  
MGR-SITE SERVICES  
REFERENCED P. & ID: 205229-1S1 - REV. 30  
603229-1S1 - 0

NO.	DATE	BY	REVISION
1	10/1/88	J. J. GIBSON	ISSUE FOR CONSTRUCTION
2	10/1/88	J. J. GIBSON	ISSUE FOR CONSTRUCTION
3	10/1/88	J. J. GIBSON	ISSUE FOR CONSTRUCTION
4	10/1/88	J. J. GIBSON	ISSUE FOR CONSTRUCTION
5	10/1/88	J. J. GIBSON	ISSUE FOR CONSTRUCTION

**INSERVICE INSPECTION LEGEND**

NOE	NOE - CLASS 1, 2, 3 COMPONENTS AND THEIR ASSOCIATED PIPING TO BE INSPECTED UNDER THE FOLLOWING INSPECTION PLAN (IP) AND TO BE INCLUDED IN THE PIPING AND ELECTRICAL INSPECTION PROGRAM (PIP&E) AND THE SAFETY AND HEALTH INSPECTION PROGRAM (SHIP) AND THE SAFETY AND HEALTH INSPECTION PROGRAM (SHIP) AND THE SAFETY AND HEALTH INSPECTION PROGRAM (SHIP)
VIT	VIT - CLASS 1, 2, 3 COMPONENTS WITH THEIR ASSOCIATED PIPING TO BE INSPECTED UNDER THE PIPING AND ELECTRICAL INSPECTION PROGRAM (PIP&E) AND THE SAFETY AND HEALTH INSPECTION PROGRAM (SHIP) AND THE SAFETY AND HEALTH INSPECTION PROGRAM (SHIP)
AE/VT	AE/VT - CLASS 1, 2, 3 COMPONENTS WITH THEIR ASSOCIATED PIPING TO BE INSPECTED UNDER THE PIPING AND ELECTRICAL INSPECTION PROGRAM (PIP&E) AND THE SAFETY AND HEALTH INSPECTION PROGRAM (SHIP) AND THE SAFETY AND HEALTH INSPECTION PROGRAM (SHIP)
MP/SI	MP/SI - CLASS 1, 2, 3 COMPONENTS WITH THEIR ASSOCIATED PIPING TO BE INSPECTED UNDER THE PIPING AND ELECTRICAL INSPECTION PROGRAM (PIP&E) AND THE SAFETY AND HEALTH INSPECTION PROGRAM (SHIP) AND THE SAFETY AND HEALTH INSPECTION PROGRAM (SHIP)
AE/NOE	AE/NOE - CLASS 1, 2, 3 COMPONENTS WITH THEIR ASSOCIATED PIPING TO BE INSPECTED UNDER THE PIPING AND ELECTRICAL INSPECTION PROGRAM (PIP&E) AND THE SAFETY AND HEALTH INSPECTION PROGRAM (SHIP) AND THE SAFETY AND HEALTH INSPECTION PROGRAM (SHIP)

**SALEM NUCLEAR GENERATING STATION**  
NO. 1 UNIT  
COMPONENT COOLING  
INSERVICE INSPECT BOUND. DIAG.  
PSEG NUCLEAR, L.L.C.

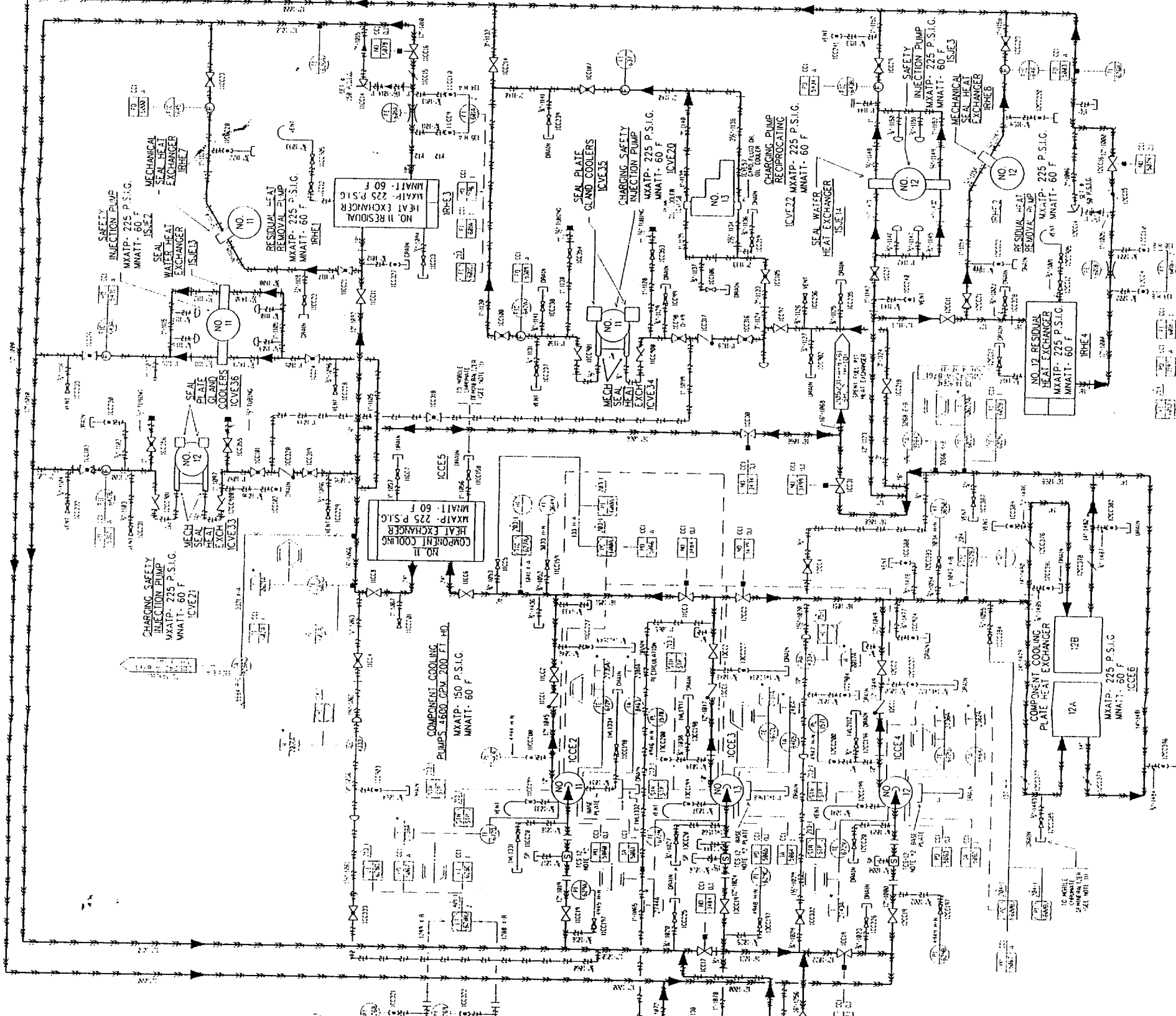
REVISIONS: (DATE) (BY) (REVISION)

REF: (SEE NOTE W/.....)  
PSEG NUCLEAR, L.L.C.  
SALEM NUCLEAR GENERATING STATION  
NO. 1 UNIT  
COMPONENT COOLING  
INSERVICE INSPECT BOUND. DIAG.  
PSEG NUCLEAR, L.L.C.

603231-ISI -1

**NOTES**

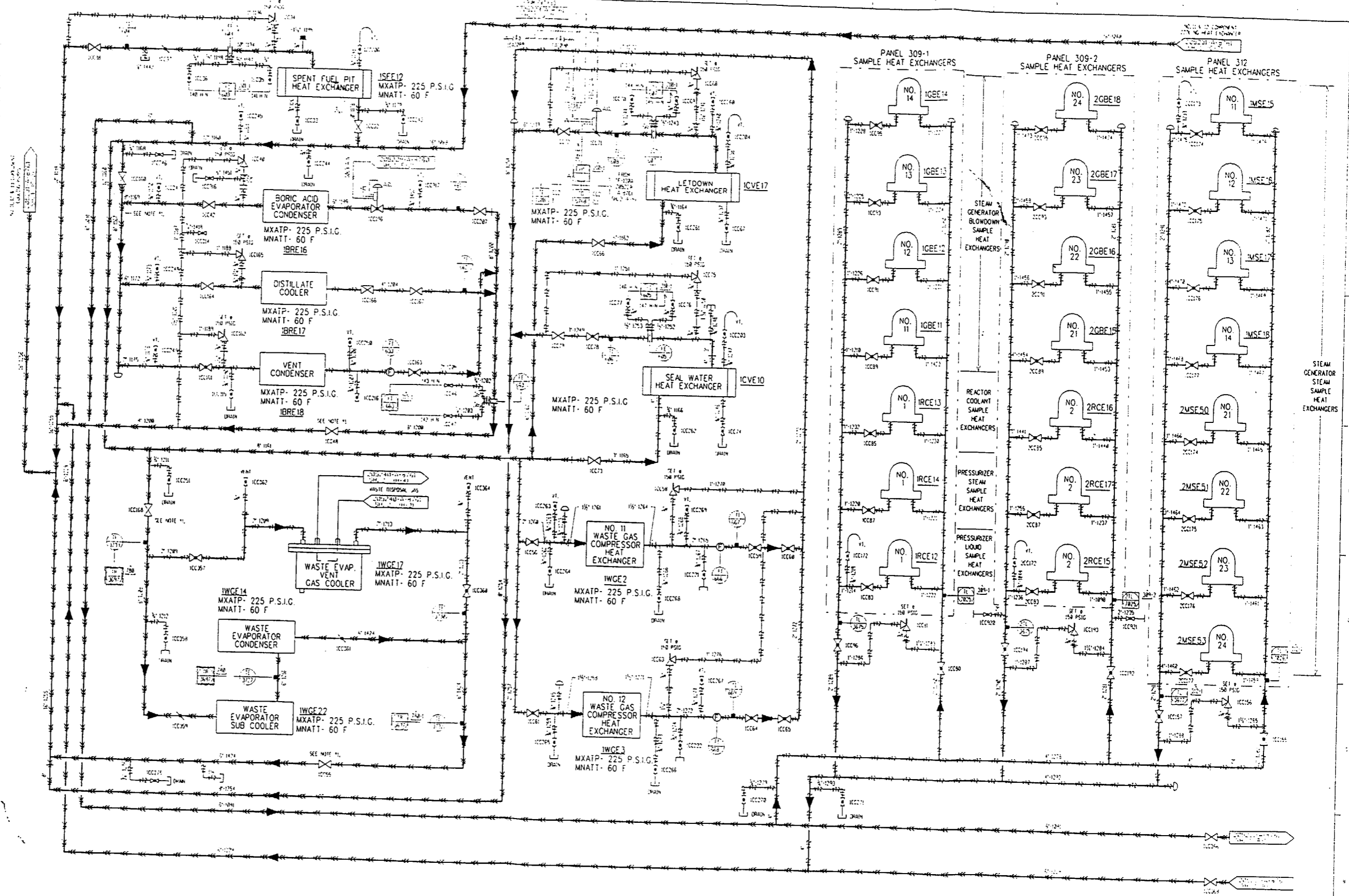
1. THE DESIGN SHALL BE REVIEWED BY THE DESIGNER.
2. THE DESIGN SHALL BE REVIEWED BY THE DESIGNER.
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10. THE DESIGN SHALL BE REVIEWED BY THE DESIGNER.
11. THE DESIGN SHALL BE REVIEWED BY THE DESIGNER.
12. THE DESIGN SHALL BE REVIEWED BY THE DESIGNER.



**DESIGN**

BOUNDARY	CLASSIFICATION			QUALITY ASSUR.
	SAFETY RELATED	SEISMIC	NUCLEAR	
CS2A	1	1	1	1
CS2B	1	1	1	1
CS2C	1	1	1	1
CS2D	1	1	1	1
CS2E	1	1	1	1
CS2F	1	1	1	1
CS2G	1	1	1	1
CS2H	1	1	1	1
CS2I	1	1	1	1
CS2J	1	1	1	1
CS2K	1	1	1	1
CS2L	1	1	1	1
CS2M	1	1	1	1
CS2N	1	1	1	1
CS2O	1	1	1	1
CS2P	1	1	1	1
CS2Q	1	1	1	1
CS2R	1	1	1	1
CS2S	1	1	1	1
CS2T	1	1	1	1
CS2U	1	1	1	1
CS2V	1	1	1	1
CS2W	1	1	1	1
CS2X	1	1	1	1
CS2Y	1	1	1	1
CS2Z	1	1	1	1

NOT TO BE USED FOR REVISIONS  
SEE NOTE W/.....  
PSEG NUCLEAR, L.L.C.  
SALEM NUCLEAR GENERATING STATION  
NO. 1 UNIT  
COMPONENT COOLING  
INSERVICE INSPECT BOUND. DIAG.  
PSEG NUCLEAR, L.L.C.



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REVISION

IN-SERVICE INSPECTION LEGEND NOTES

NDE	NDE	NUCLEAR CLASS 1, 2 & 3 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (V1, V1.1, V1.2 AND V1.3) IN ACCORDANCE WITH ASME SECTION XI, 1995/96 ADDENDA AND THE SALEM UNIT 1 ISI PROGRAM LONG TERM PLAN.
V12	V12	NUCLEAR CLASS 1, 2 & 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL EXAMINATIONS (V12) IN ACCORDANCE WITH ASME SECTION XI, 1995/96 ADDENDA AND THE SALEM UNIT 1 ISI PROGRAM LONG TERM PLAN.
AE-V1		NUCLEAR CLASS 1, 2 & 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO ADAPTED VISUAL EXAMINATIONS (V1).
HPSE	HPSE	NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (V1, V1.1, V1.2 AND V1.3) AND ARE INCLUDED IN THE HIGH PRESSURE SAFETY INJECTION SYSTEM AND ARE SUBJECT TO THE EXEMPTIONS OF THE SALEM UNIT 1 ISI PROGRAM LONG TERM PLAN.
AE-NDE		NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (V1, V1.1, V1.2 AND V1.3) IN ACCORDANCE WITH THE LOW INTERNAL PRESSURE SAFETY INJECTION SYSTEM.

SALEM NUCLEAR GENERATING STATION  
NO. 1 UNIT  
COMPONENT COOLING  
IN-SERVICE INSPECT BOUND DIAG  
PSEG NUCLEAR, L.L.C.

INSERVICE INSPECTION SUPERVISOR: \_\_\_\_\_ APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

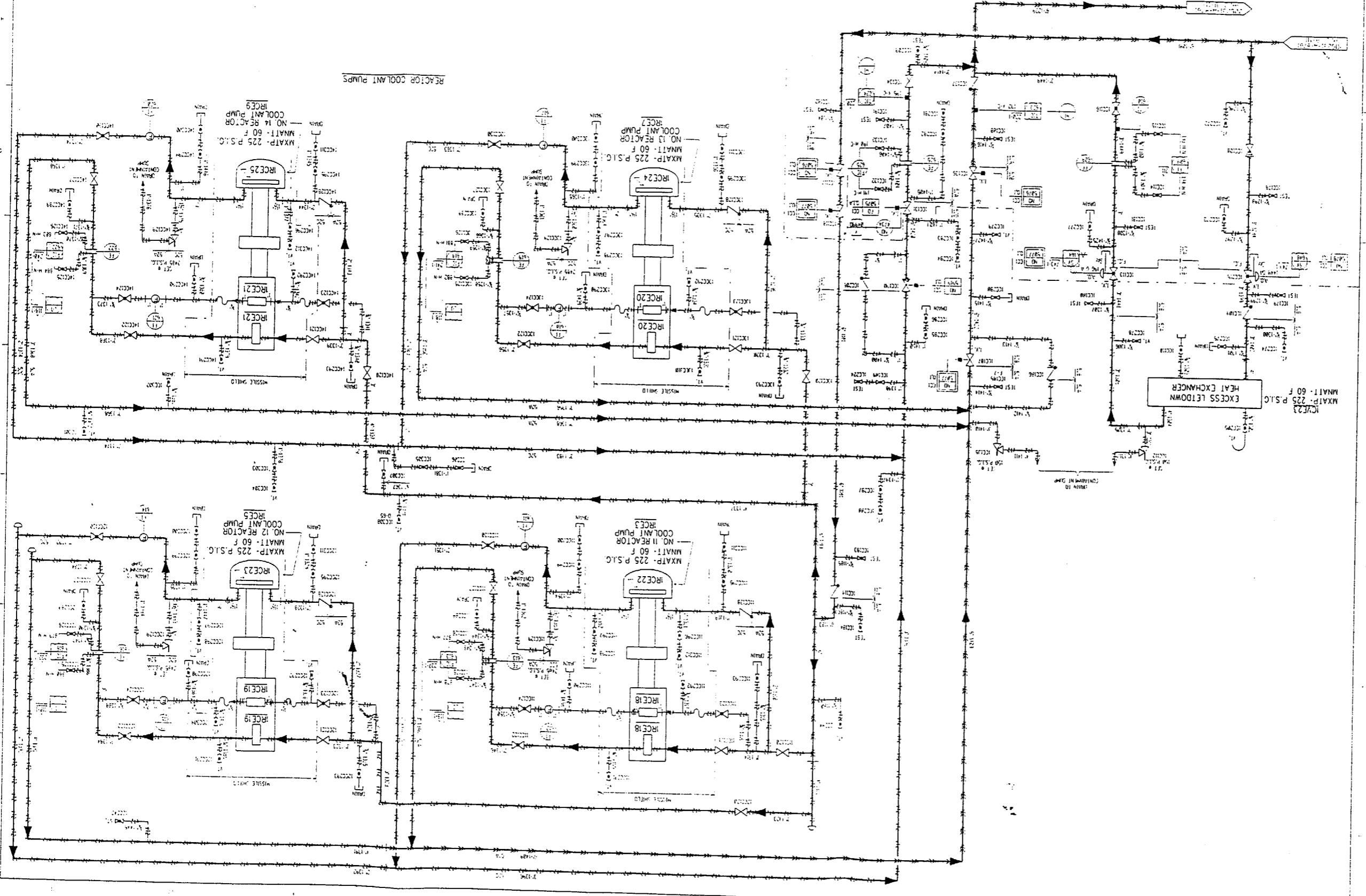
REFERENCED P & ID: 205231, SH. 2 - REV. 44  
203231-157

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NO.	DATE	REVISION
1	08/11/83	ISSUE FOR CONSTRUCTION
2	08/11/83	REVISED TO REFLECT CHANGES TO THE EXCESS LETDOWN SYSTEM

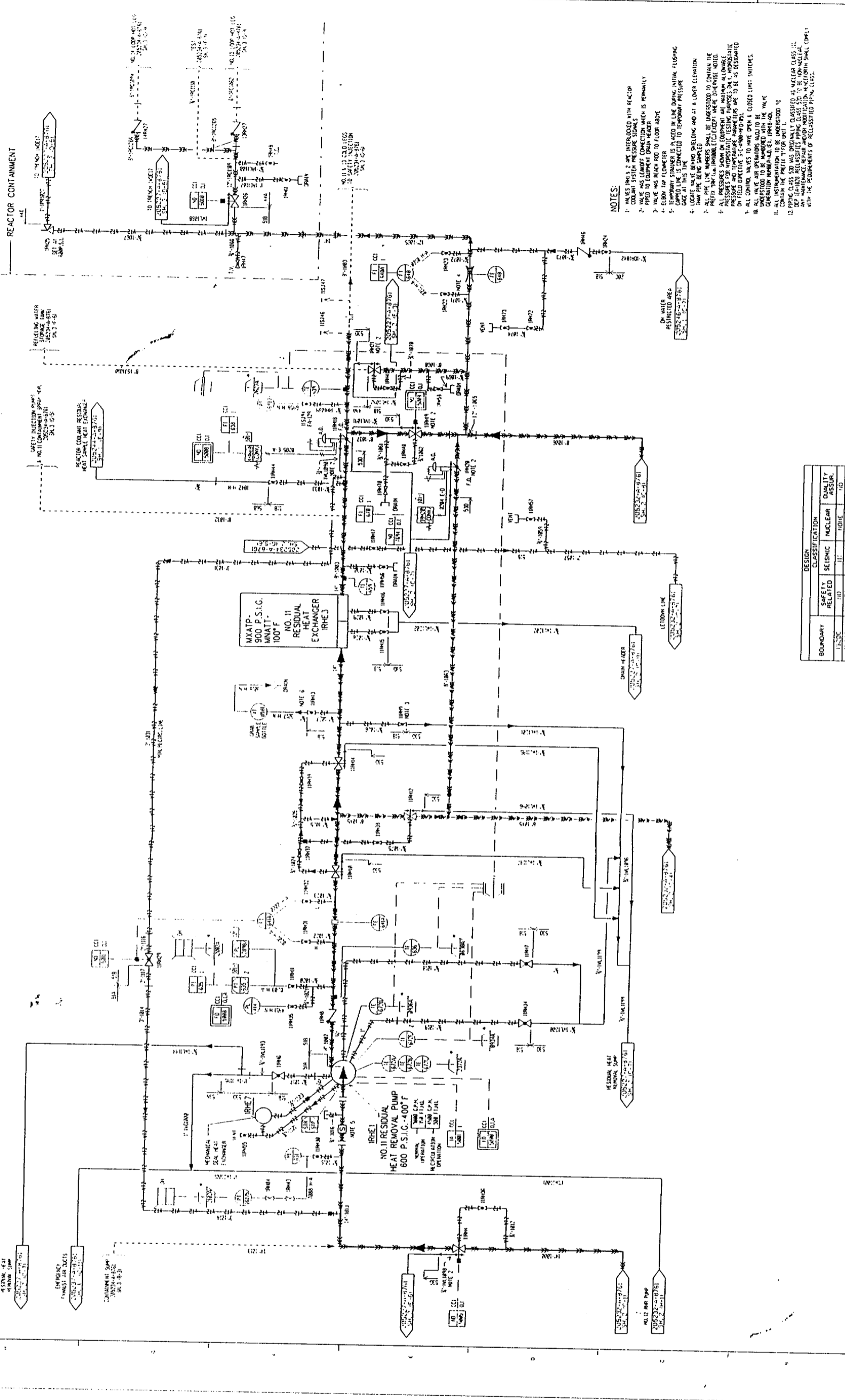
NO.	DESCRIPTION
NOE	NUCLEAR CLASS 1, 2 COMPONENTS AND THEIR ASSOCIATED SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL INSPECTION AND VISUAL EXAMINATIONS WITHIN THE SCOPE OF THE INSPECTION SYSTEM AND SUBJECT TO THE EXEMPTIONS OF THE INSPECTION SYSTEM.
NOE	NUCLEAR CLASS 1, 2 COMPONENTS AND THEIR ASSOCIATED SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL INSPECTION AND VISUAL EXAMINATIONS WITHIN THE SCOPE OF THE INSPECTION SYSTEM AND SUBJECT TO THE EXEMPTIONS OF THE INSPECTION SYSTEM.
VIZ	NUCLEAR CLASS 2 AND 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL INSPECTION AND VISUAL EXAMINATIONS WITHIN THE SCOPE OF THE INSPECTION SYSTEM AND SUBJECT TO THE EXEMPTIONS OF THE INSPECTION SYSTEM.
AVI	NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL INSPECTION AND VISUAL EXAMINATIONS WITHIN THE SCOPE OF THE INSPECTION SYSTEM AND SUBJECT TO THE EXEMPTIONS OF THE INSPECTION SYSTEM.
AVI	NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL INSPECTION AND VISUAL EXAMINATIONS WITHIN THE SCOPE OF THE INSPECTION SYSTEM AND SUBJECT TO THE EXEMPTIONS OF THE INSPECTION SYSTEM.
AVI	NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL INSPECTION AND VISUAL EXAMINATIONS WITHIN THE SCOPE OF THE INSPECTION SYSTEM AND SUBJECT TO THE EXEMPTIONS OF THE INSPECTION SYSTEM.

SALEM NUCLEAR GENERATING STATION  
 NO. 1 UNIT  
 COMPONENT COOLING  
 IN-SERVICE INSPECT BOUND. DIAG.  
 PSEG NUCLEAR, L.L.C.  
 REFERENCED P & ID: 205231, SH. 3 - REV. 43  
 502231-151



NO. 1 UNIT  
 COMPONENT COOLING  
 IN-SERVICE INSPECT BOUND. DIAG.





- NOTES:**
1. VALVES IIRH 2 ARE INTERLOCKED WITH REACTOR COOLANT SYSTEM PRESSURE SIGNALS.
  2. PIPED TO EQUIPMENT DRAIN SYSTEM.
  3. VALVE HAS REACH ROD TO FLOOR ABOVE.
  4. ELBOW TAP FLOWMETER.
  5. TEMPORARY STRAINER IS IN LINE DURING INITIAL FLUSHING.
  6. GAGE AT THIS POINT IS CONNECTED TO TEMPORARY PRESSURE TRANSDUCER.
  7. LOCATE VALVE BEHIND PANELING AND AT A LOWER ELEVATION.
  8. ALL PIPE LINE NUMBERS SHALL BE UNDERSTOOD TO CONTAIN THE REACTOR CONTAINMENT IDENTIFICATION NUMBER UNLESS OTHERWISE NOTED.
  9. ALL PRESSURES FOR APPROXIMATE TESTING PURPOSES ONLY. PRESSURES FOR OPERATIONAL PURPOSES ARE TO BE AS DETERMINED BY THE OPERATOR.
  10. ALL COMPONENTS WITHIN THESE BOUNDARIES ARE TO BE DISASSEMBLED AND INSPECTED BY THE OPERATOR.
  11. ALL VALVES AND OPERATORS ARE TO BE CLOSED UPON COMPLETION OF THE TEST.
  12. OPERATIONS TO BE UNDERSTOOD TO BE IN ACCORDANCE WITH THE REACTOR CONTAINMENT OPERATIONS MANUAL.
  13. PIPING CLASS 530 WAS ORIGINALLY CLASSIFIED AS NUCLEAR CLASS 530. THE REACTOR CONTAINMENT OPERATIONS MANUAL MODIFICATION NUMBER SHALL COMPLY WITH THE REQUIREMENTS OF CLASSIFIED PIPING CLASS.

BOUNDARY	DESIGN CLASSIFICATION		QUALITY ASSUR.
	SAFETY RELATED	NUCLEAR	
1550C	III	III	III
1550D	III	III	III
1550E	III	III	III
1550F	III	III	III
1550G	III	III	III
1550H	III	III	III
1550I	III	III	III
1550J	III	III	III
1550K	III	III	III
1550L	III	III	III
1550M	III	III	III
1550N	III	III	III
1550O	III	III	III
1550P	III	III	III
1550Q	III	III	III
1550R	III	III	III
1550S	III	III	III
1550T	III	III	III
1550U	III	III	III
1550V	III	III	III
1550W	III	III	III
1550X	III	III	III
1550Y	III	III	III
1550Z	III	III	III

**INSERVICE INSPECTION LOGS NOTES**

NUCLEAR CLASS 1, 2, 3 COMPONENTS AND THEIR ASSOCIATED SUPPORTING SYSTEMS ARE SUBJECT TO VISUAL INSPECTION AND TO VOLUNTARY SURFACE AND DIMENSIONAL INSPECTION IN ACCORDANCE WITH ASME SECTION III, PART 5, SUBPART 1. VISUAL INSPECTION IS TO BE PERFORMED BY THE OPERATOR.

NUCLEAR CLASS 1, 2, 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL INSPECTION AND TO VOLUNTARY SURFACE AND DIMENSIONAL INSPECTION IN ACCORDANCE WITH ASME SECTION III, PART 5, SUBPART 1. VISUAL INSPECTION IS TO BE PERFORMED BY THE OPERATOR.

NUCLEAR CLASS 2 AND 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL INSPECTION AND TO VOLUNTARY SURFACE AND DIMENSIONAL INSPECTION IN ACCORDANCE WITH ASME SECTION III, PART 5, SUBPART 1. VISUAL INSPECTION IS TO BE PERFORMED BY THE OPERATOR.

NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED SUPPORTING SYSTEMS ARE SUBJECT TO VISUAL INSPECTION AND TO VOLUNTARY SURFACE AND DIMENSIONAL INSPECTION IN ACCORDANCE WITH ASME SECTION III, PART 5, SUBPART 1. VISUAL INSPECTION IS TO BE PERFORMED BY THE OPERATOR.

NUCLEAR CLASS 2 AND 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL INSPECTION AND TO VOLUNTARY SURFACE AND DIMENSIONAL INSPECTION IN ACCORDANCE WITH ASME SECTION III, PART 5, SUBPART 1. VISUAL INSPECTION IS TO BE PERFORMED BY THE OPERATOR.

NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED SUPPORTING SYSTEMS ARE SUBJECT TO VISUAL INSPECTION AND TO VOLUNTARY SURFACE AND DIMENSIONAL INSPECTION IN ACCORDANCE WITH ASME SECTION III, PART 5, SUBPART 1. VISUAL INSPECTION IS TO BE PERFORMED BY THE OPERATOR.

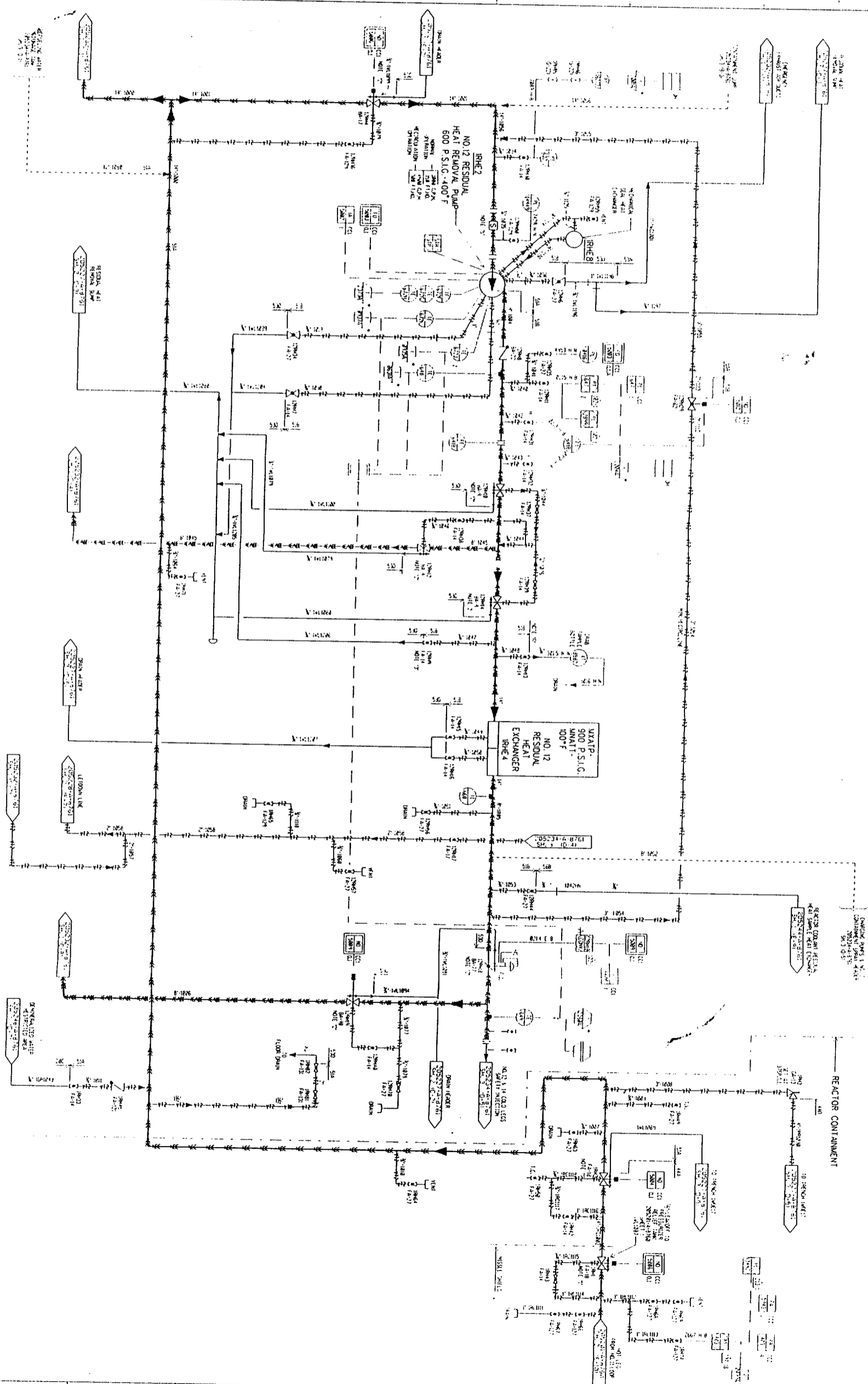
**SALEM NUCLEAR GENERATING STATION**  
**NO. 11 UNIT**  
**RESIDUAL HEAT REMOVAL**  
**INSPECTOR BOUND. DIAG.**  
**PSEC NUCLEAR, L.L.C.**

DATE: 12-14-82  
 DRAWN BY: [Name]  
 CHECKED BY: [Name]  
 APPROVED BY: [Name]

FOR FILE IN CASE NO. 530  
 IN THE OFFICE OF THE  
 INSPECTOR GENERAL

REFERENCE P & ID: 205232-SH.1 - REV. 35

603232-ISI -1



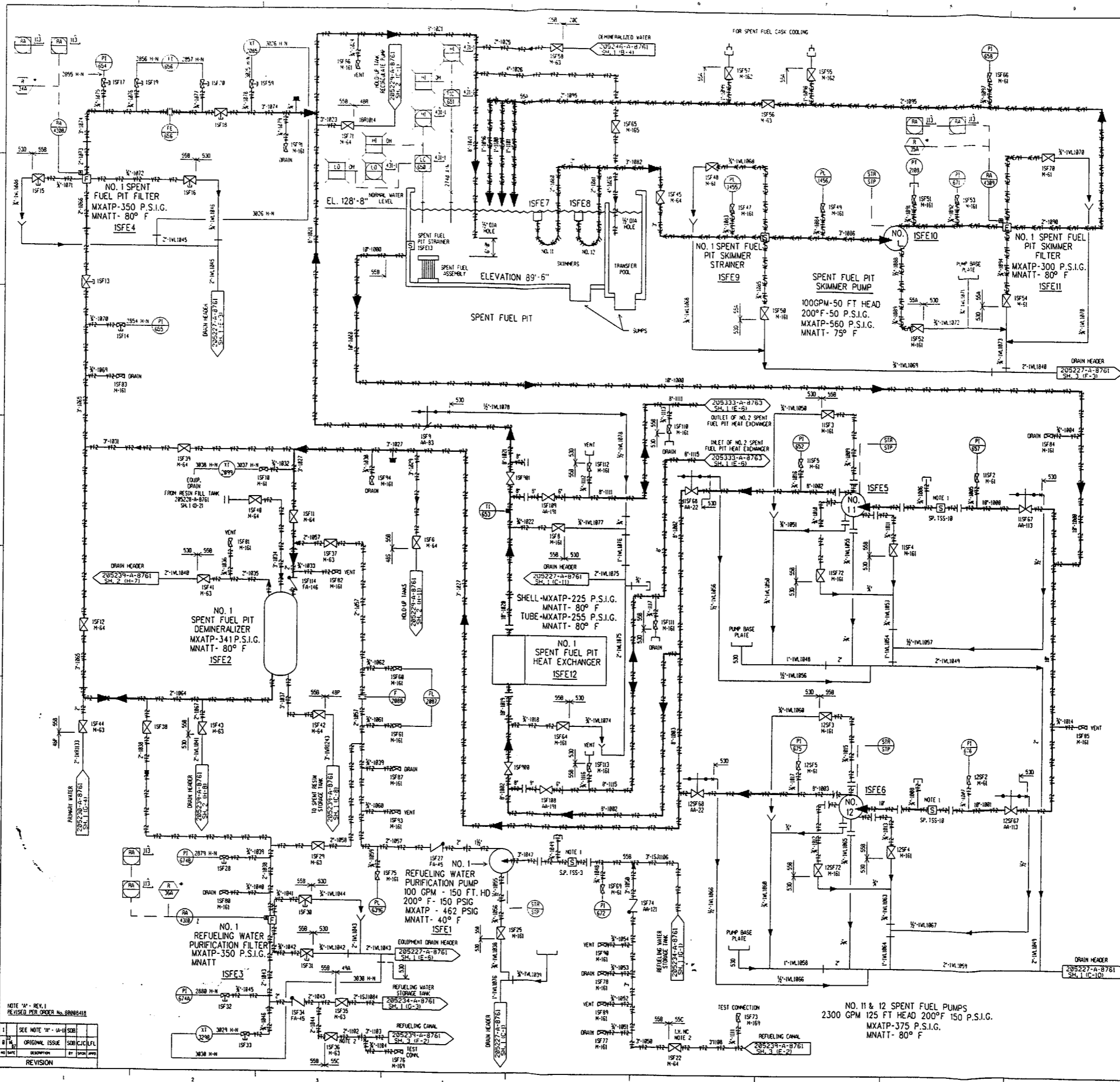
NO. 11 UNIT  
 SALEM NUCLEAR GENERATING STATION  
 RESIDUAL HEAT REMOVAL  
 P.S.G. NUCLEAR, L.L.C.

N-SERVICE INSPECTION LEGEND NOTES

NEC	NEC	NUCLEAR CLASS 1, 2, 3 COMPONENTS AND THEIR ASSOCIATED SUPPORTING SYSTEMS WITHIN THESE BOUNDARIES ARE SUBJECT TO THE FOLLOWING INSPECTION REQUIREMENTS:
V12	V12	NUCLEAR CLASS 1, 2, 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL INSPECTION WITHIN THESE BOUNDARIES AND THE SAFETY UNIT IS PROGRAM LOG ITEM 3.A.M.
AC/MS	AC/MS	NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED SUPPORTING SYSTEMS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL INSPECTION WITHIN THESE BOUNDARIES AND THE SAFETY UNIT IS PROGRAM LOG ITEM 3.A.M.

SALEM NUCLEAR GENERATING STATION  
 NO. 11 UNIT  
 RESIDUAL HEAT REMOVAL  
 P.S.G. NUCLEAR, L.L.C.

INSPECTED BY: [Signature]  
 DATE: 11/14/2022  
 REFERENCED P & ID: 208232-SK-2 - REV. 36



- NOTES:**
- TEMPORARY STRAINER IS PLACED IN THE SPOOL PIECE DURING INITIAL FLUSHING OPERATIONS. STRAINER MUST BE REMOVED BEFORE PLANT START-UP. CAPPED LINE IS CONNECTED TO A TEMPORARY PRESSURE GAGE AT THIS TIME.
  - LOCATE VALVE AS CLOSE TO CONTAINMENT AS POSSIBLE.
  - ALL PIPE LINE NUMBERS SHALL BE UNDERSTOOD TO CONTAIN THE PREFIX "2-1M" UNLESS OTHERWISE NOTED.
  - ALL PRESSURES SHOWN ARE MAXIMUM ALLOWABLE PRESSURES FOR HYDROSTATIC TESTING PURPOSES ONLY. HYDROSTATIC PRESSURES AND TEMPERATURE PARAMETERS ARE TO BE AS DESIGNATED ON FIELD DIRECTIVE 5-C-4888-WF-951.
  - INSTRUMENT ITEMS IN PARENTHESES ( ) ARE WESTINGHOUSE INSTRUMENT ITEMS, REFER TO ISA 51 FOR DESCRIPTION.
  - PIPING CLASS 530 WAS ORIGINALLY CLASSIFIED AS NUCLEAR CLASS III. OXP TEST-108 RECLASSIFIES PIPING CLASS 530 TO BE NON-NUCLEAR. ANY MAINTENANCE, REPAIR, AND/OR MODIFICATION HEREOF SHALL COMPLY WITH THE REQUIREMENTS OF RECLASSIFIED PIPING CLASS.
  - PIPING CLASS 530 HAS BEEN ANALYZED TO SEISMIC CATEGORY I AND THE ASSOCIATED COMPONENTS HAVE BEEN SEISMICALLY EVALUATED TO ENSURE THAT THE SFP COOLING FUNCTION IS MAINTAINED FOR A DESIGN BASIS EARTHQUAKE OXP-ICE-9508.

**IN-SERVICE INSPECTION LEGEND NOTES**

NDE	NDE	NUCLEAR CLASS 1, 2 & 3 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (VT-1, VT-2 AND VT-3) IN ACCORDANCE WITH ASSE SECTION XI, 1995/96 ADDENDA AND THE SALEM UNIT 1 ISI PROGRAM LONG TERM PLAN.
VT2	VT2	NUCLEAR CLASS 1, 2 & 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL EXAMINATIONS (VT2) IN ACCORDANCE WITH ASSE SECTION XI, 1995/96 ADDENDA AND THE SALEM UNIT 1 ISI PROGRAM LONG TERM PLAN.
AE/VT	AE/VT	NUCLEAR CLASS 2 AND 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO AUTOMETRIC VISUAL EXAMINATIONS (AV).
HP/ST	HP/ST	NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (VT-1, VT-2 AND VT-3) AND ARE INCLUDED IN THE HIGH PRESSURE SAFETY INJECTION SYSTEM AND ARE SUBJECT TO THE EXEMPTIONS OF INC-122010.
AE/NDE	AE/NDE	NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (VT1, VT2 AND VT3) IN ACCORDANCE WITH THE 2nd INTERNAL ISI PROGRAM ARE SER I (TAC No. 66920) REF. C-F-1/CS.18 & C-F-2/CS.20.

**SALEM NUCLEAR GENERATING STATION**  
**NO. 1 UNIT**  
**SPENT FUEL COOLING**  
**IN-SERVICE INSPECT. BOUND. DIAG. THIRD TEN YEAR INSPECTION INTERVAL**  
**PSEG NUCLEAR, L.L.C.**

IN-SERVICE INSPECTION SPONSOR: C.J. COOPER, APPROVED: LOUIS F. LAKE  
 DATE: 12-16-87, MGR-SITE SERVICES PETER J. KOZLOWSKI

REFERENCED P & ID: 205233, SH. 1 - REV. 25

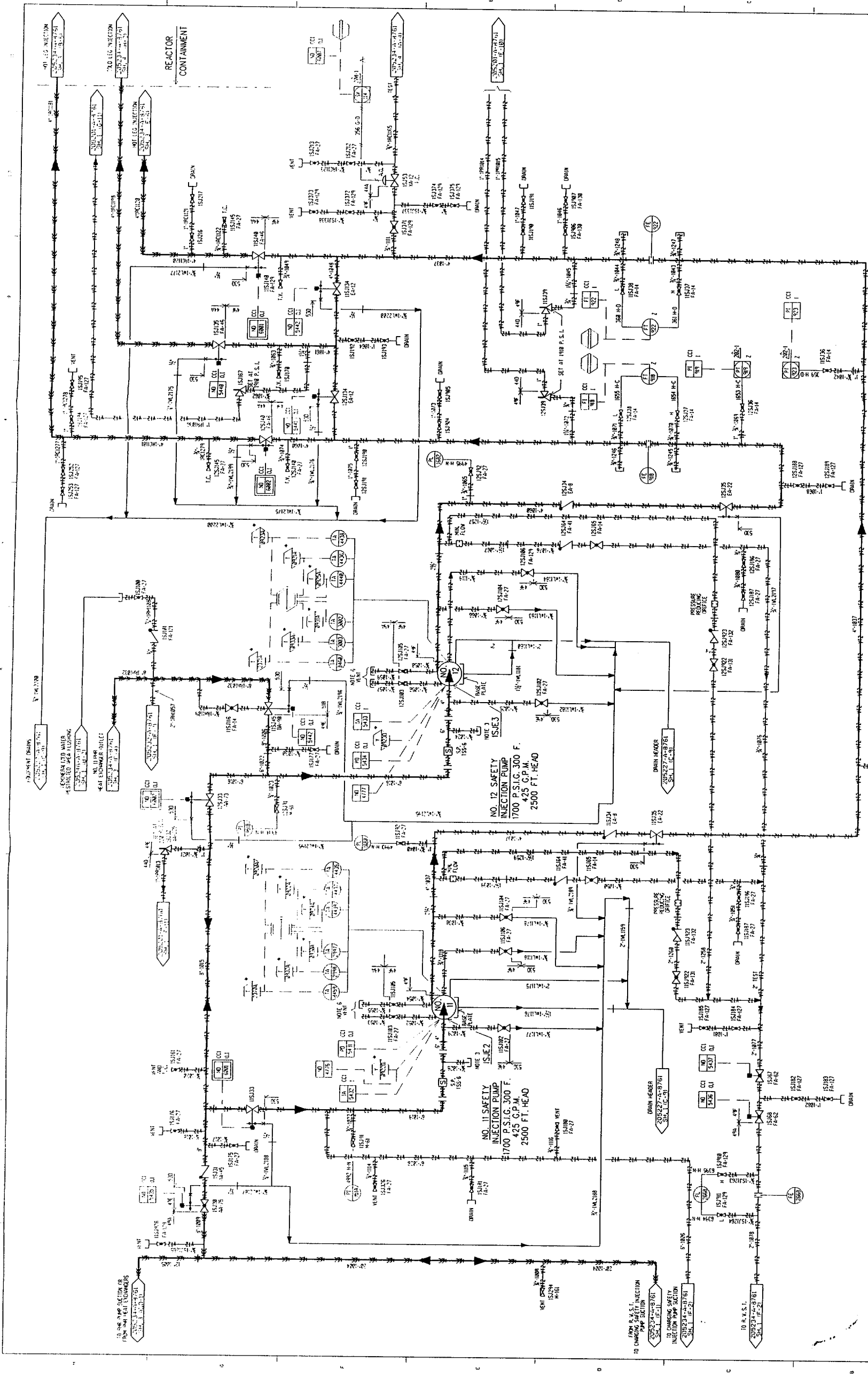
**603233-ISI** -1

**NOTE:**  
 1. THIS DRAWING WAS REVISED TO REFLECT THE REVISIONS LISTED IN THE REVISION TABLE.

**REVISION**

NO.	DATE	DESCRIPTION	BY	CHKD.	APPD.
1	SEE NOTE 1	REVISED PER ORDER NO. 880818			
2	ORIGINAL ISSUE	SEE CHC/CLF/L			





IN-SERVICE INSPECTION LEGEND NOTES

NDE	NDE	IN-SERVICE INSPECTION LEGEND NOTES
VT2	VT2	NUCLEAR CLASS 1, 2 & 3 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL EXAMINATIONS WITHIN THE PROGRAM LONG TERM PLAN AND THE SALEM UNIT 1 ISI PROGRAM LONG TERM PLAN.
AE/VT	AE/VT	NUCLEAR CLASS 1, 2 & 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL EXAMINATIONS WITHIN THE PROGRAM LONG TERM PLAN AND THE SALEM UNIT 1 ISI PROGRAM LONG TERM PLAN.
IP/SI	IP/SI	NUCLEAR CLASS 2 AND 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO APPROVED VISUAL EXAMINATIONS AT 2 YEAR INTERVALS.
AE/AE	AE/AE	NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL EXAMINATIONS WITHIN THE PROGRAM LONG TERM PLAN AND THE SALEM UNIT 1 ISI PROGRAM LONG TERM PLAN.
		NUCLEAR CLASS 2 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL EXAMINATIONS WITHIN THE PROGRAM LONG TERM PLAN AND THE SALEM UNIT 1 ISI PROGRAM LONG TERM PLAN.

SALEM NUCLEAR GENERATING STATION  
 NO. 1 UNIT  
 SAFETY INJECTION  
 THIRD TEN YEAR  
 INSPECTION INTERVAL  
 IN-SERVICE INSPECT BOUND. DIAG.  
 PSEG NUCLEAR, L.L.C.

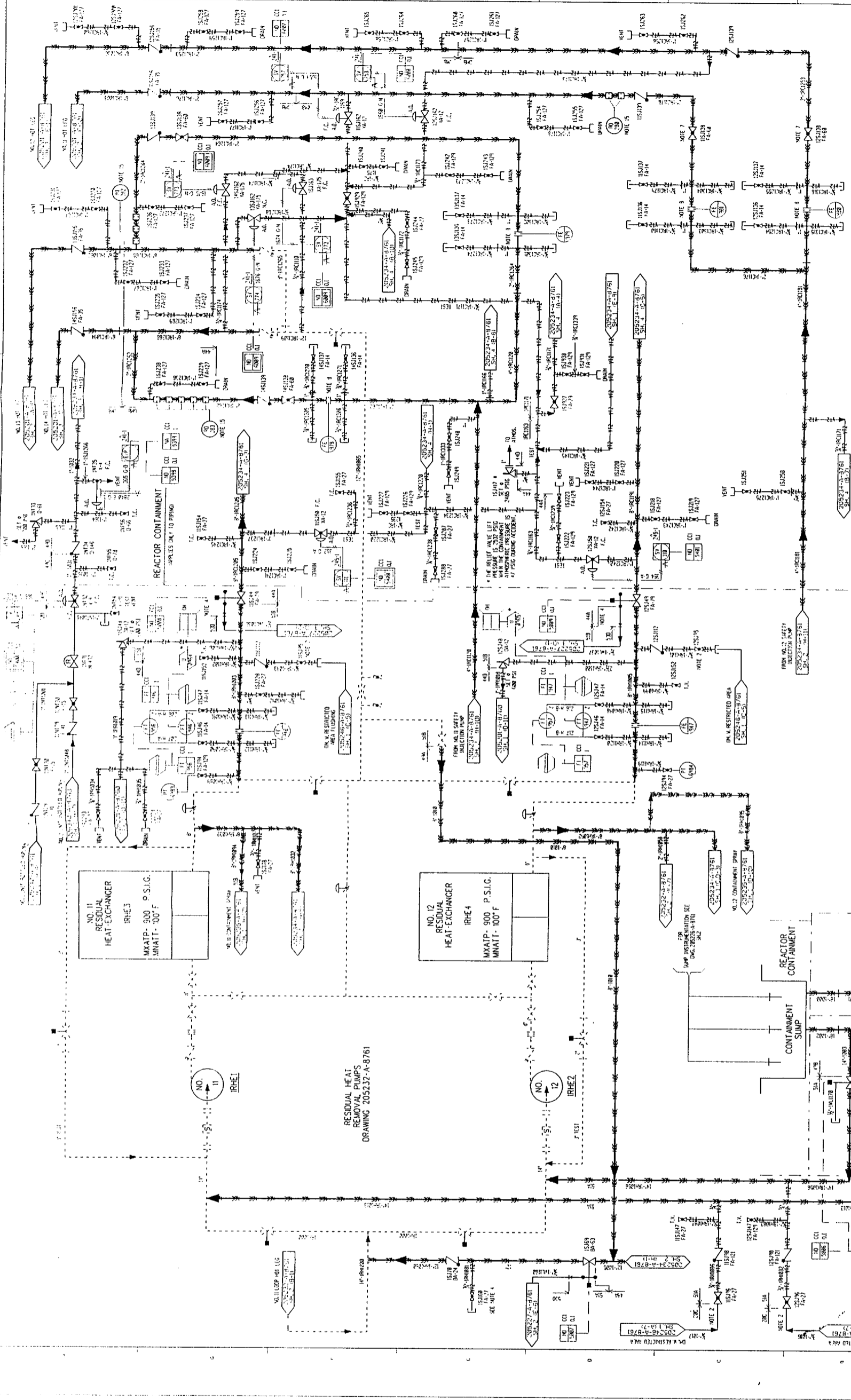
NOTE: SEE NOTE W-6 (P. 50) FOR REVISIONS TO THIS SHEET. REFER TO ISM FOR REVISIONS TO ISM.

NO.	DATE	DESCRIPTION
1	08/11/88	ORIGINAL ISSUE
2	08/11/88	REVISION

NOTE: SEE NOTE W-6 (P. 50) FOR REVISIONS TO THIS SHEET. REFER TO ISM FOR REVISIONS TO ISM.

603234-ISI -1

CH 2



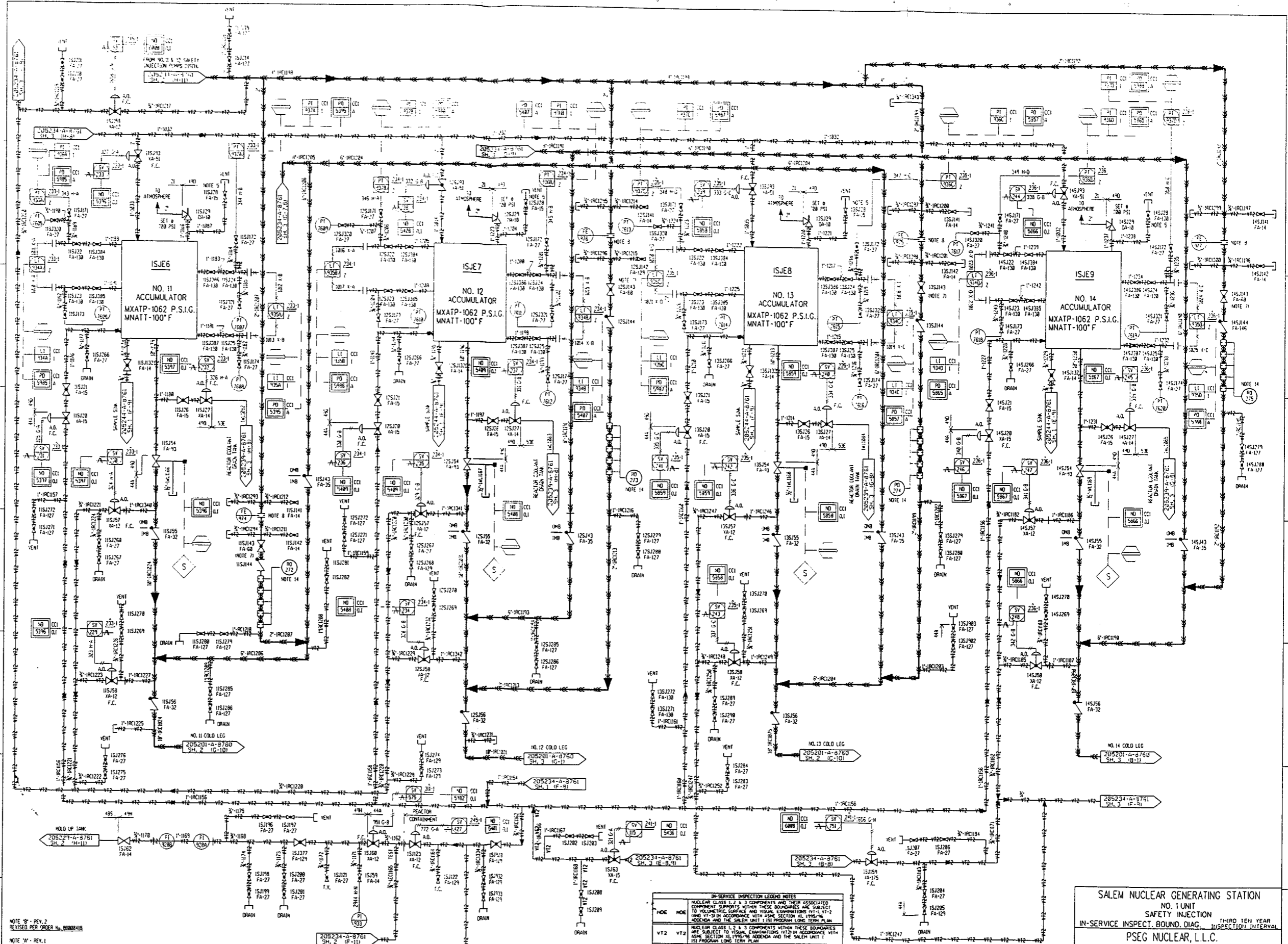
RESIDUAL HEAT REMOVAL PUMPS  
DRAWING 205232-A-8761

IN-SERVICE INSPECTION LEGEND NOTES	
NOE	NUCLEAR CLASS 1, 2, 3 COMPONENTS AND THEIR ASSOCIATED SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL INSPECTION AND VISUAL EXAMINATIONS AT THE FREQUENCY AND WITHIN THE SCOPE OF THE INSPECTION PROGRAM LONG TERM PLAN AND THE SALEM UNIT 1 INSPECTION PROGRAM LONG TERM PLAN.
V12	NUCLEAR CLASS 1, 2, 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL INSPECTION AND VISUAL EXAMINATIONS AT THE FREQUENCY AND WITHIN THE SCOPE OF THE INSPECTION PROGRAM LONG TERM PLAN AND THE SALEM UNIT 1 INSPECTION PROGRAM LONG TERM PLAN.
NE/VI	NUCLEAR CLASS 2 AND 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL INSPECTION AND VISUAL EXAMINATIONS AT THE FREQUENCY AND WITHIN THE SCOPE OF THE INSPECTION PROGRAM LONG TERM PLAN AND THE SALEM UNIT 1 INSPECTION PROGRAM LONG TERM PLAN.
NP/VI	NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL INSPECTION AND VISUAL EXAMINATIONS AT THE FREQUENCY AND WITHIN THE SCOPE OF THE INSPECTION PROGRAM LONG TERM PLAN AND THE SALEM UNIT 1 INSPECTION PROGRAM LONG TERM PLAN.
NE/NE	NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL INSPECTION AND VISUAL EXAMINATIONS AT THE FREQUENCY AND WITHIN THE SCOPE OF THE INSPECTION PROGRAM LONG TERM PLAN AND THE SALEM UNIT 1 INSPECTION PROGRAM LONG TERM PLAN.

SALEM NUCLEAR GENERATING STATION  
NO. 1 UNIT  
SAFETY INJECTION  
INSPECTION PROGRAM  
PSEG NUCLEAR, L.L.C.  
APPROVED: \_\_\_\_\_  
DATE: 12/14/02

NOTE: SEE SHEET REF. TO THIS SHEET FOR REVISIONS.

NO.	DATE	DESCRIPTION
1	12/14/02	ISSUE
2	01/14/03	REVISION



NOTE: FOR THE WORKMAN, NOT FOR THE DESIGNER TO PRINT.

NOTE "B" - REV. 2  
REVISED PER ORDER NO. 80000418

NOTE "M" - REV. 1  
REVISED PER ORDER NO. 80000418

NO.	REVISION	DATE	BY	CHKD.
2	SEE NOTE "B" - (4-11-50)			
1	SEE NOTE "M" - (4-11-50) (P&ID)			

IN-SERVICE INSPECTION LEGEND NOTES

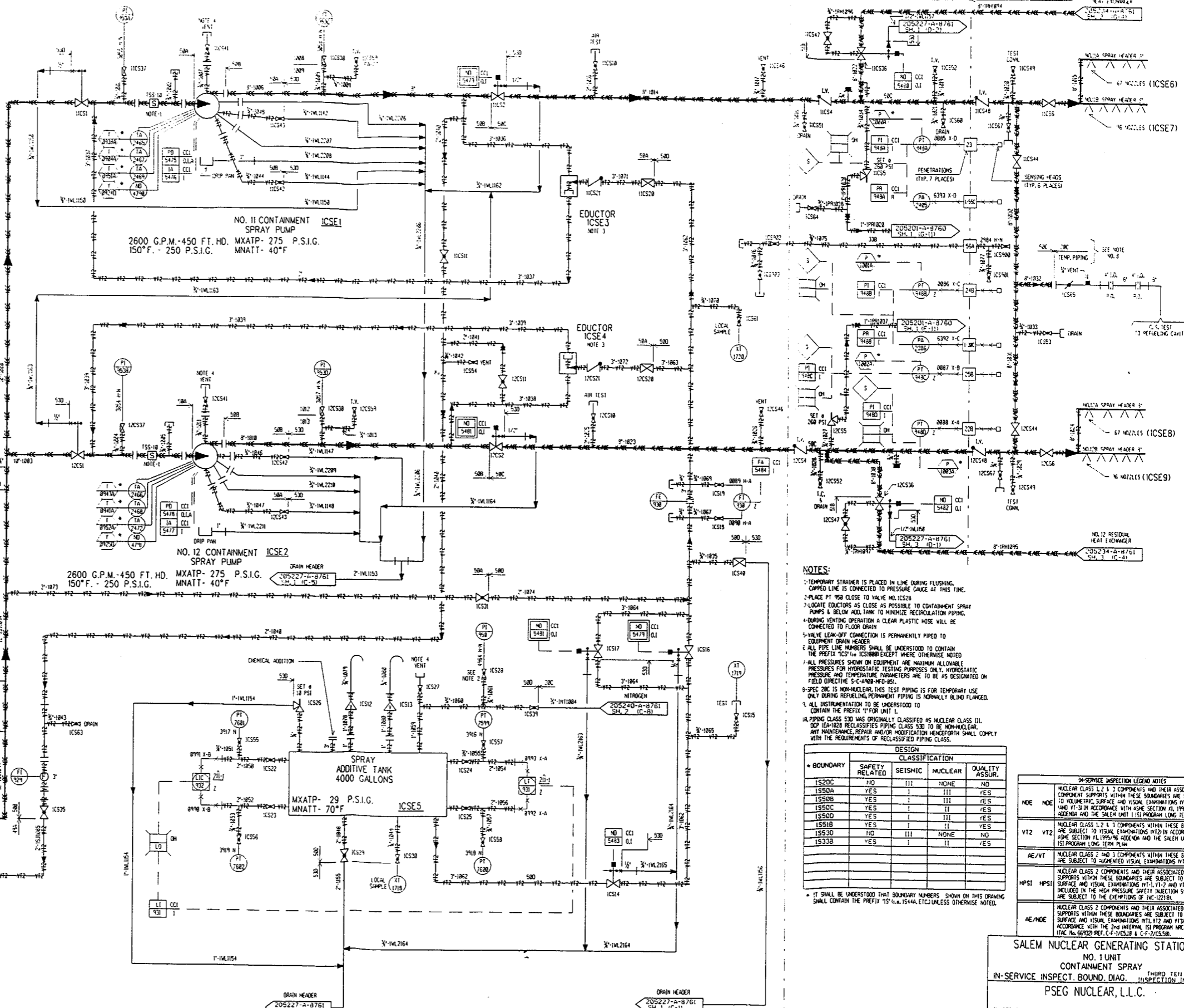
NOE	NOE	NUCLEAR CLASS 2 & 3 COMPONENTS AND THEIR ASSOCIATED SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (VT-1, VT-2) AND DYE PEN IN ACCORDANCE WITH ASME SECTION XI, SUBSECTION N, ADDENDA AND THE SALEM UNIT 1 ISI PROGRAM LONG TERM PLAN.
VT2	VT2	NUCLEAR CLASS 1, 2 & 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL EXAMINATIONS (VT-1, VT-2) AND DYE PEN IN ACCORDANCE WITH ASME SECTION XI, SUBSECTION N, ADDENDA AND THE SALEM UNIT 1 ISI PROGRAM LONG TERM PLAN.
AE/VT	AE/VT	NUCLEAR CLASS 2 AND 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO AUGMENTED VISUAL EXAMINATIONS (AVT).
HPSI	HPSI	NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (VT-1, VT-2) AND DYE PEN IN ACCORDANCE WITH ASME SECTION XI, SUBSECTION N, ADDENDA AND THE SALEM UNIT 1 ISI PROGRAM LONG TERM PLAN.
AE/NOE	AE/NOE	NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (VT-1, VT-2) AND DYE PEN IN ACCORDANCE WITH THE ISI PROGRAM LONG TERM PLAN.

SALEM NUCLEAR GENERATING STATION  
NO. 1 UNIT  
SAFETY INJECTION  
IN-SERVICE INSPECT. BOUND. DIAG. THIRD TEN YEAR INSPECTION INTERVAL  
PSEG NUCLEAR, L.L.C.

IN-SERVICE INSPECTION SPONSOR: G. GOSWAMI APPROVED: LOUIS L. WALKER  
DATE: 12-16-92 HON. SITE SERVICES: PETER L. KULLERS

REFERENCED P & ID: 205234, SH. 4 - REV. 43

603234-ISI -2



- NOTES:**
- TEMPORARY STRAINER IS PLACED IN LINE DURING FLUSHING. CAPPED LINE IS CONNECTED TO PRESSURE GAUGE AT THIS TIME.
  - PLACE PT #58 CLOSE TO VALVE 10CS28
  - LOCATE EDUCATORS AS CLOSE AS POSSIBLE TO CONTAINMENT SPRAY PUMPS & BELOW ADD. TANK TO MINIMIZE RECIRCULATION PIPING.
  - DURING VENTING OPERATION A CLEAR PLASTIC HOSE WILL BE CONNECTED TO FLOOR DRAIN
  - VALVE LEAK-OFF CONNECTION IS PERMANENTLY PIPED TO EQUIPMENT DRAIN HEADER
  - ALL PIPE LINE NUMBERS SHALL BE UNDERSTOOD TO CONTAIN THE PREFIX 'IC5' UNLESS OTHERWISE NOTED
  - ALL PRESSURES SHOWN ON EQUIPMENT ARE MAXIMUM ALLOWABLE PRESSURES FOR HYDROSTATIC TESTING PURPOSES ONLY. HYDROSTATIC PRESSURE AND TEMPERATURE PARAMETERS ARE TO BE AS DESIGNATED ON FIELD DIRECTIVE S-C-4088-STD-01.
  - SPEC DRG. IS NON-NUCLEAR. THIS TEST PIPING IS FOR TEMPORARY USE ONLY DURING REFUELING. PERMANENT PIPING IS NORMALLY BLIND FLANGED.
  - ALL INSTRUMENTATION TO BE UNDERSTOOD TO CONTAIN THE PREFIX 'I' FOR UNIT 1.
  - PIPING CLASS 530 WAS ORIGINALLY CLASSIFIED AS NUCLEAR CLASS III. DFP 104-1028 RECLASSIFIES PIPING CLASS 530 TO BE NON-NUCLEAR. ANY MAINTENANCE, REPAIR AND/OR MODIFICATION HEREAFTER SHALL COMPLY WITH THE REQUIREMENTS OF RECLASSIFIED PIPING CLASS.

BOUNDARY	DESIGN CLASSIFICATION			
	SAFETY RELATED	SEISMIC	NUCLEAR	QUALITY ASSUR.
IS20C	NO	III	NONE	NO
IS50A	YES	III	III	YES
IS50B	YES	I	III	YES
IS50C	YES	I	III	YES
IS50D	YES	I	III	YES
IS50E	YES	I	III	YES
IS50F	NO	III	NONE	NO
IS30B	YES	I	II	YES
IS30C	YES	I	II	YES

IN-SERVICE INSPECTION LOGS AND NOTES:  
 NUCLEAR CLASS 1 & 2 COMPONENTS AND THEIR ASSOCIATED SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (VT-1, VT-2 AND VT-3) IN ACCORDANCE WITH SOME SECTION AL 1195.10, ADDENDA AND THE SALEM UNIT 1 ISI PROGRAM LONG TERM PLAN.

NUCLEAR CLASS 2 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL EXAMINATIONS (VT2) IN ACCORDANCE WITH SOME SECTION AL 1195.10, ADDENDA AND THE SALEM UNIT 1 ISI PROGRAM LONG TERM PLAN.

NUCLEAR CLASS 2 AND 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO AUGMENTED VISUAL EXAMINATIONS (AV2).

NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (VT-1, VT-2 AND VT-3), AND ARE INCLUDED IN THE HIGH PRESSURE SAFETY INJECTION SYSTEM, AND ARE SUBJECT TO THE EXEMPTIONS OF IVC122(B).

NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (VT-1, VT-2 AND VT-3) IN ACCORDANCE WITH THE 2016 INTERVAL ISI PROGRAM ARE SER I14C, N0 60120, REF. C-F-11C/3.1 & C-F-2/1C.3(B).

BOUNDARY	INSPECTION	NOTES
IS20C	NO	
IS50A	YES	
IS50B	YES	
IS50C	YES	
IS50D	YES	
IS50E	YES	
IS50F	NO	
IS30B	YES	
IS30C	YES	

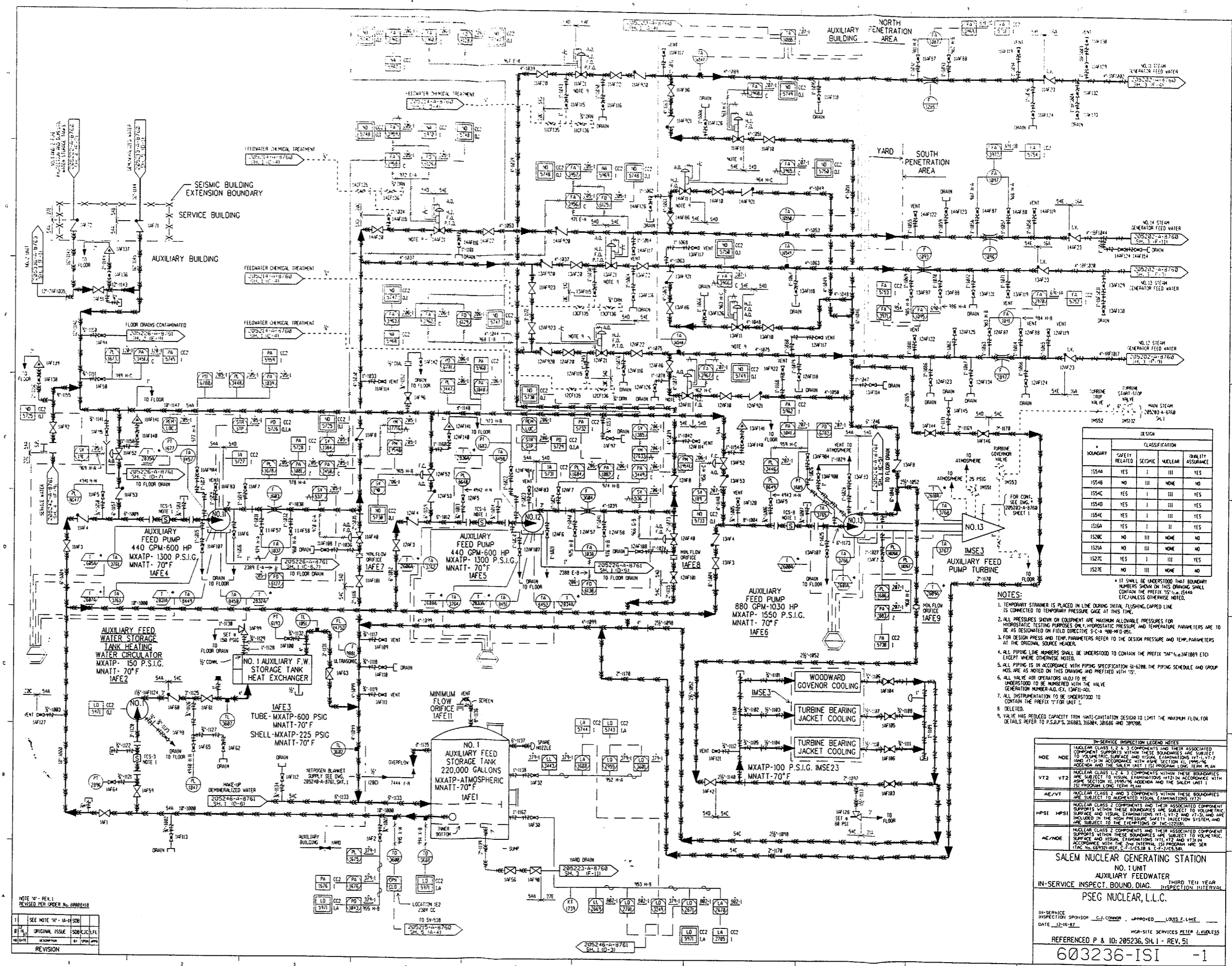
NOTE: REV. 1  
 REVISED PER ORDER NO. 80080418

NO.	DATE	BY	DESCRIPTION
1			SEE NOTE 10 - 14 - 530
2			ORIGINAL ISSUE

REVISION

**SALEM NUCLEAR GENERATING STATION**  
 NO. 1 UNIT  
 CONTAINMENT SPRAY  
 IN-SERVICE INSPECT. BOUND. DIAG. THIRD YEAR INTERVAL  
 PSEG NUCLEAR, L.L.C.  
 IN-SERVICE INSPECTION SPONSOR: C.J. CONROY APPROVED: LOUIS F. LAKE  
 DATE: 12-18-07 MGR SITE SERVICES: PETER J. BURLISS  
 REFERENCED P & ID: 205235, SH. 1 - REV. 40





BOUNDARY	CLASSIFICATION	SAFETY RELATED	SEISMIC	NUCLEAR	QUALITY ASSURANCE
1554A	YES	I	III	YES	YES
1554B	YES	I	III	NONE	NO
1554C	YES	I	III	YES	YES
1554D	YES	I	III	YES	YES
1554E	YES	I	III	YES	YES
1554F	YES	I	II	YES	YES
1550C	NO	III	NONE	NO	NO
1521A	NO	III	NONE	NO	NO
1527C	YES	I	III	YES	YES
1527E	NO	III	NONE	NO	NO

- NOTES:
- TEMPORARY STRAINER IS PLACED IN LINE DURING INITIAL FLUSHING. CAPPED LINE IS CONNECTED TO TEMPORARY PRESSURE GAGE AT THIS TIME.
  - ALL PRESSURES SHOWN ON EQUIPMENT ARE MAXIMUM ALLOWABLE PRESSURES FOR HYDROSTATIC TESTING PURPOSES ONLY. HYDROSTATIC PRESSURE AND TEMPERATURE PARAMETERS ARE TO BE AS SPECIFIED ON FIELD DIRECTIVE 5-C-4-78-00-001.
  - FOR DESIGN PRESS AND TEMP. PARAMETERS REFER TO THE DESIGN PRESSURE AND TEMP. PARAMETERS AT THE ORIGINAL SOURCE HEADER.
  - ALL PIPING LINE NUMBERS SHALL BE UNDERSTOOD TO CONTAIN THE PREFIX 2AF1, 2AF108, ETC. EXCEPT WHERE OTHERWISE NOTED.
  - ALL PIPING IS IN ACCORDANCE WITH PIPING SPECIFICATION 5-6-208. THE PIPING SCHEDULE AND GROUP NOS. ARE AS NOTED ON THIS DRAWING AND PREFIXED WITH 'IS'.
  - ALL VALVE AIR OPERATORS (A.O.) TO BE UNDERSTOOD TO BE NUMBERED WITH THE VALVE GENERATION NUMBER, A.O. EX. 13AF11-A.O.
  - ALL INSTRUMENTATION TO BE UNDERSTOOD TO CONTAIN THE PREFIX 'I' FOR UNIT 'I'.
  - DELETED.
  - VALVE HAS REDUCED CAPACITY FROM MANTI-CANTATION DESIGN TO LIMIT THE MAXIMUM FLOW. FOR DETAILS REFER TO P.5.A.P.5, 316883, 316884, 316885 AND 316886.

IN-SERVICE INSPECTION LEGEND NOTES

NOE	NOE	DESCRIPTION
VT2	VT2	NUCLEAR CLASS 1, 2 & 3 COMPONENTS AND THEIR ASSOCIATED SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL, SURFACE AND VISUAL EXAMINATIONS (VT-1, VT-2 AND VT-3) IN ACCORDANCE WITH THE 2ND INTERVAL ISI PROGRAM LONG TERM PLAN.
AE/VT	AE/VT	NUCLEAR CLASS 1, 2 & 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO ACCREDITED VISUAL EXAMINATIONS (VT-1).
HP51	HP51	NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL, SURFACE AND VISUAL EXAMINATIONS (HT-1, HT-2, HT-3) AND ARE SUBJECT TO THE FREQUENCIES OF INSPECTION.
AE/NOE	AE/NOE	NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL, SURFACE AND VISUAL EXAMINATIONS (HT-1, HT-2, HT-3) AND ARE SUBJECT TO THE FREQUENCIES OF INSPECTION.

SALEM NUCLEAR GENERATING STATION  
NO. 1 UNIT  
AUXILIARY FEEDWATER  
IN-SERVICE INSPECT. BOUND. DIAG. INSPECTION INTERVAL  
PSEG NUCLEAR, L.L.C.

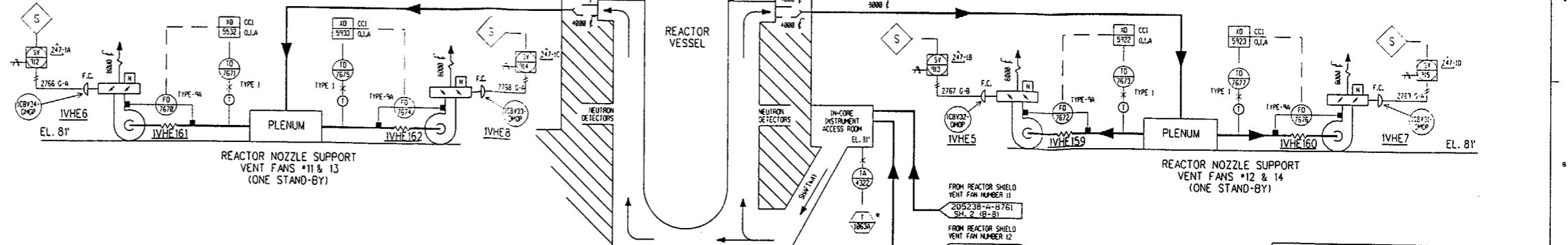
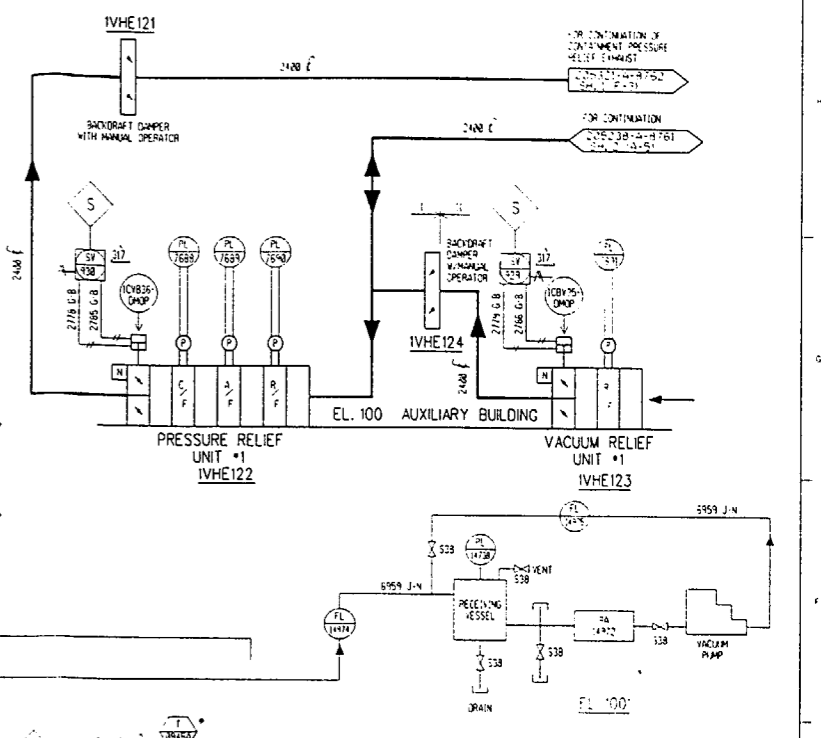
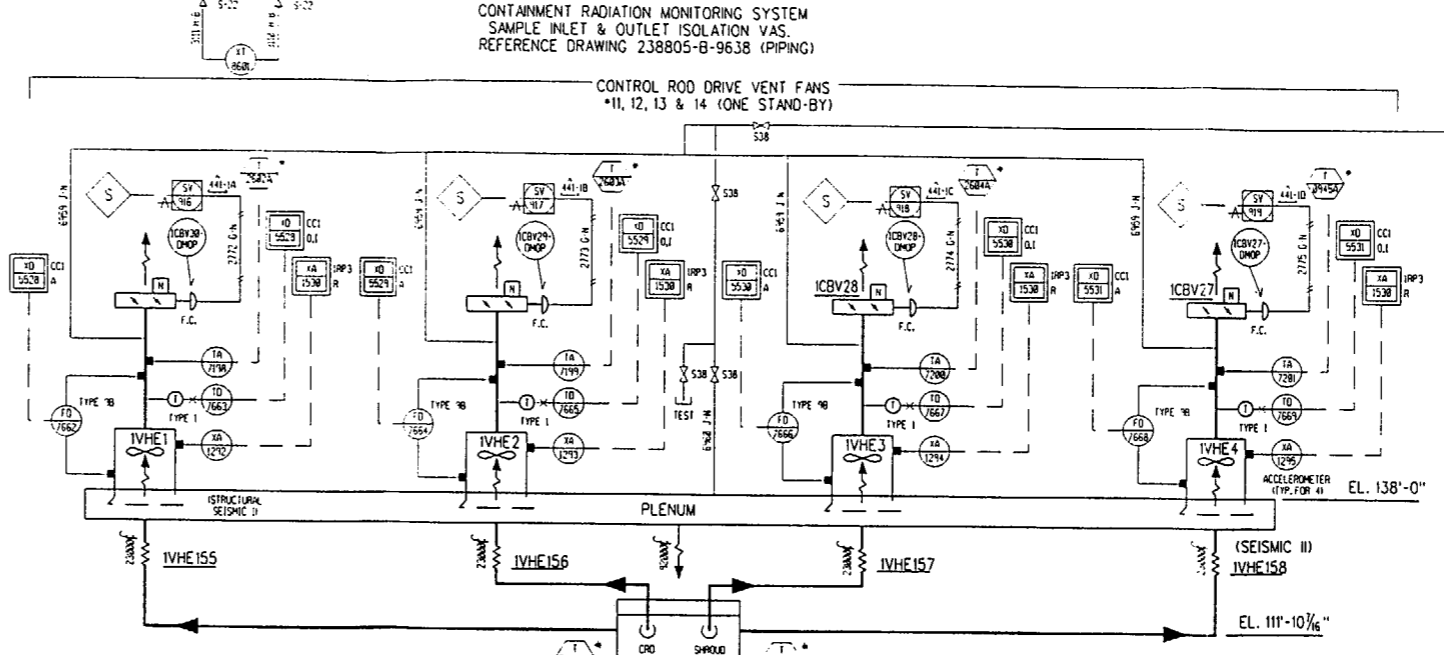
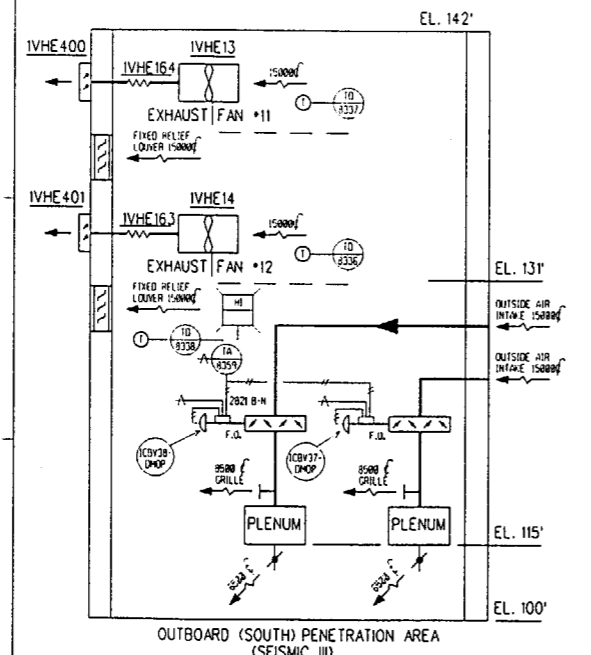
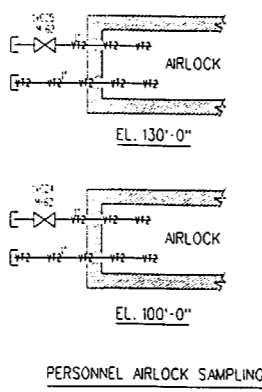
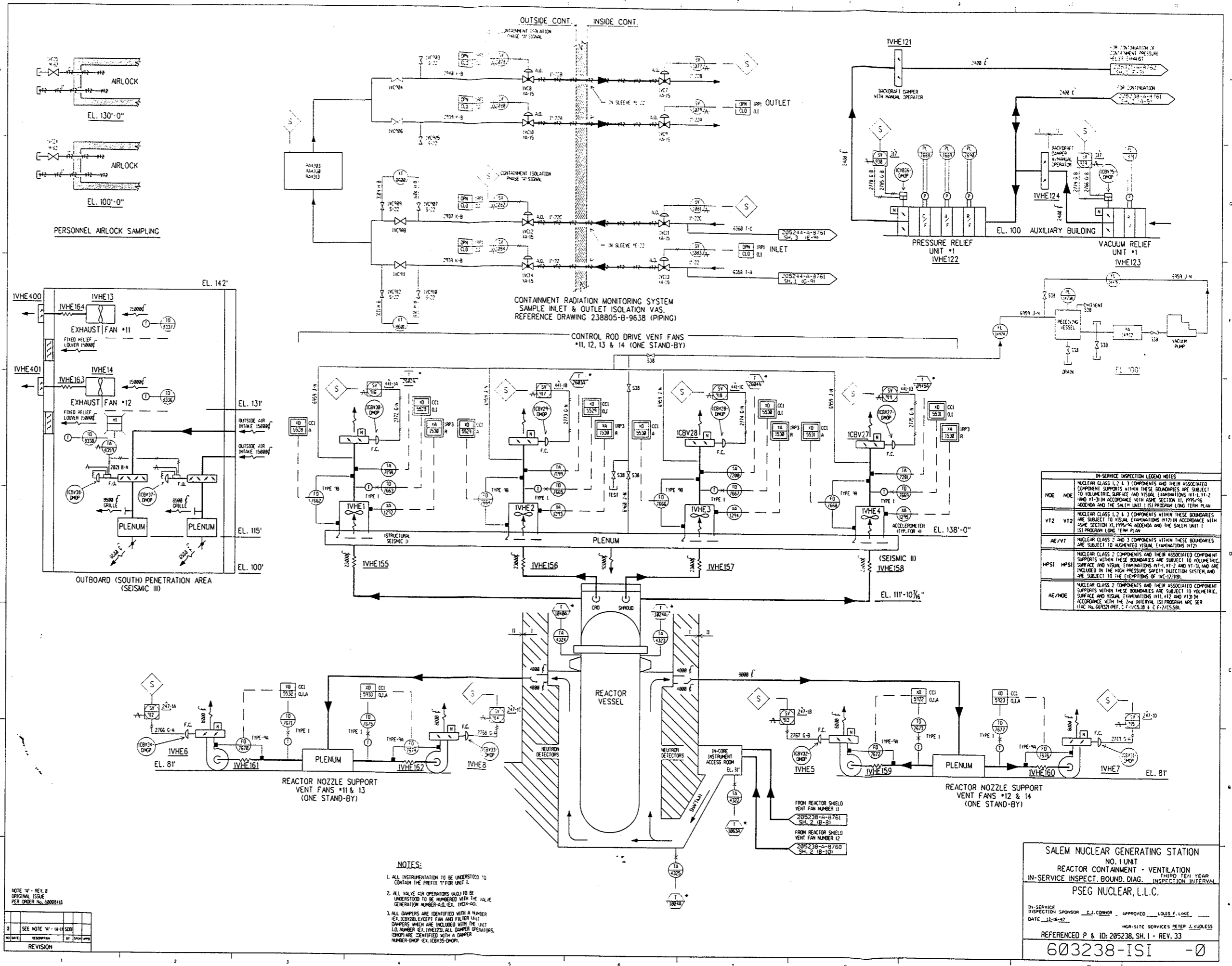
IN-SERVICE INSPECTION SPONSOR: C.J. CONNOR APPROVED: LOUIS E. LAKE  
DATE: 12-16-87 MGR-SITE SERVICES: PETER J. KLEBERG

REFERENCED P & ID: 205236, SH. 1 - REV. 51  
603236-ISI -1

NOTE:  
LOW WATER, HIGH WATER, AND LOW WATER IN THIS SHEET REFER TO SALEM

NOTE 10 - REV. 1  
REVISED PER ORDER NO. 8888818

REV	DATE	BY	DESCRIPTION
1			SEE NOTE 10 - (A) - (H) SDB
0			ORIGINAL ISSUE



**IN-SERVICE INSPECTION LEGEND NOTES**

AE/VT	AE/VT	AE/VT	AE/VT
AE/VT	AE/VT	AE/VT	AE/VT
AE/VT	AE/VT	AE/VT	AE/VT
AE/VT	AE/VT	AE/VT	AE/VT

- NOTES:**
1. ALL INSTRUMENTATION TO BE UNDERSTOOD TO CONTAIN THE PREFIX "I" FOR UNIT 1.
  2. ALL VALVE AIR OPERATORS (A.O.) TO BE UNDERSTOOD TO BE NUMBERED WITH THE VALVE GENERATION NUMBER-A.O. I.E. IV14-A.O.
  3. ALL DAMPERS ARE IDENTIFIED WITH A NUMBER I.E. ICBV28 EXCEPT FAN AND FILTER UNIT DAMPERS WHICH ARE INCLUDED WITH THE UNIT I.D. NUMBER E.G. IVHE123. ALL DAMPER OPERATORS, ISOPHANE ARE IDENTIFIED WITH A DAMPER NUMBER-DAMP. I.E. ICBV35-DAMP.

**NOTE:** WORK HAS NOT BEEN COMPLETED ON THIS SHEET REFER TO WORK.

**NOTE W-REV. 8 ORIGINAL ISSUE PER ORDER NO. 28089113**

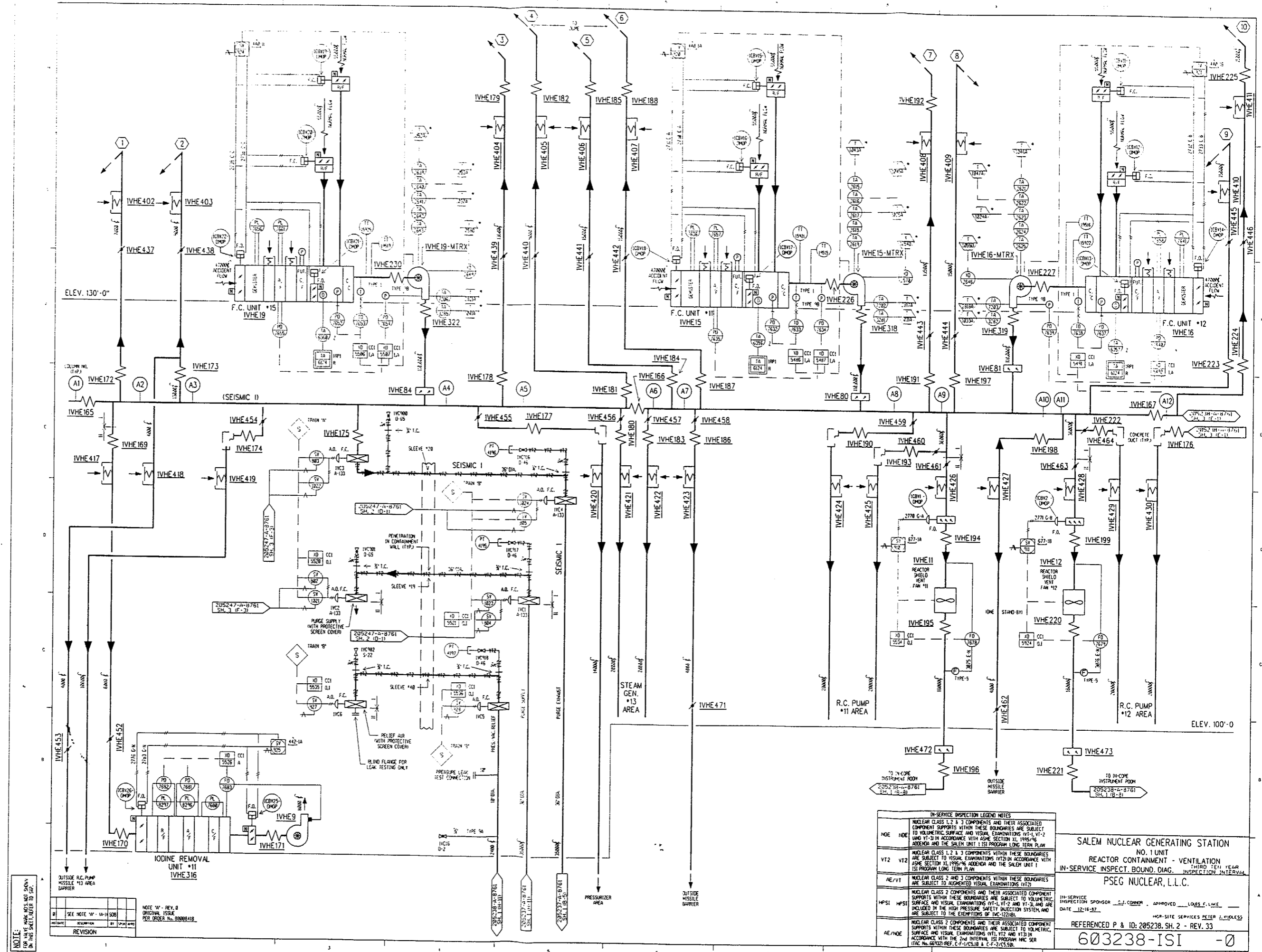
NO.	DATE	DESCRIPTION	BY	CHKD.
1		SEE NOTE W-14-11 SOB		
2				
3				
4				

**SALEM NUCLEAR GENERATING STATION**  
**NO. 1 UNIT**  
**REACTOR CONTAINMENT - VENTILATION**  
**IN-SERVICE INSPECT. BOUND. DIAG. INSPECTION INTERVAL**  
**PSEG NUCLEAR, L.L.C.**

IN-SERVICE INSPECTION SPONSOR: C.J. CONROY, APPROVED: LOUIS F. LOME  
 DATE: 12-16-87, MGR-SITE SERVICES: PETER J. KULDESS

REFERENCED P & ID: 205238, SH. 1 - REV. 33

**603238-ISI** - 0



NOTE:  
FOR THE WORK NOT SHOWN  
ON THIS SHEET, REFER TO SA-1

NO.	REVISION	DATE	BY	CHKD
1	SEE NOTE 10 - 10-14-50B			
2				
3				

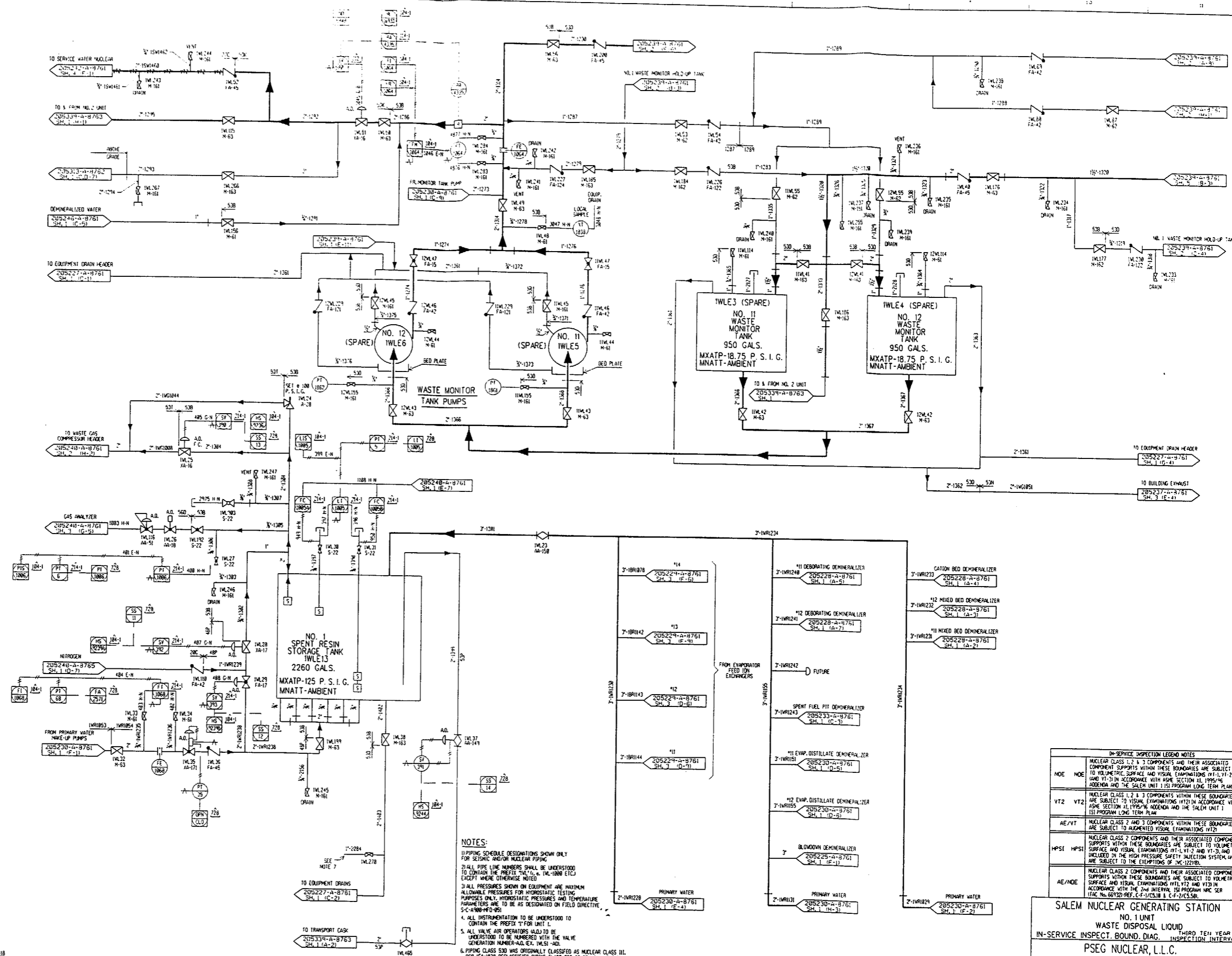
NOTE "M" - REV. 8  
ORIGINAL ISSUE  
REV. ORDER NO. 80088418

IN-SERVICE INSPECTION LEGEND NOTES	
NOE	NUCLEAR CLASS 1, 2 & 3 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (VT-1, VT-2 AND VT-3) IN ACCORDANCE WITH ASSE SECTION II, 1995/96 ADDENDA AND THE SALEM UNIT 1 ISI PROGRAM LONG TERM PLAN.
VT2	NUCLEAR CLASS 1, 2 & 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL EXAMINATIONS (VT2) IN ACCORDANCE WITH ASSE SECTION II, 1995/96 ADDENDA AND THE SALEM UNIT 1 ISI PROGRAM LONG TERM PLAN.
AE/VT	NUCLEAR CLASS 2 AND 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO AUGMENTED VISUAL EXAMINATIONS (VT2).
HPSI	NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (VT-1, VT-2 AND VT-3) AND ARE INCLUDED IN THE HIGH PRESSURE SAFETY INJECTION SYSTEM AND ARE SUBJECT TO THE EXEMPTIONS OF IVC-1221(b).
AE/NOE	NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (VT-1, VT-2 AND VT-3) IN ACCORDANCE WITH THE 2ND INTERVAL ISI PROGRAM NRC SER ITRC NO. 68-020 (REV. 1-1-75) CLS B & C-1-2-1-5.5B.

SALEM NUCLEAR GENERATING STATION  
NO. 1 UNIT  
REACTOR CONTAINMENT - VENTILATION  
IN-SERVICE INSPECT. BOUND. DIAG. THIRD YEAR INSPECTION INTERVAL  
PSEG NUCLEAR, L.L.C.

IN-SERVICE INSPECTION SPONSOR: J.J. CONNER, APPROVED: LOUIS F. LANE  
DATE: 12-16-87  
HWP-SITE SERVICES PETER J. KOLBESS

REFERENCED P & ID: 205238, SH. 2 - REV. 33  
603238-ISI - 0



- NOTES:**
1. PIPING SCHEDULE DESIGNATIONS SHOWN ONLY FOR SEISMIC AND/OR NUCLEAR PIPING.
  2. ALL PIPE LINE NUMBERS SHALL BE UNDERSTOOD TO CONTAIN THE PREFIX "ML" (e.g., ML-1000 ETC) EXCEPT WHERE OTHERWISE NOTED.
  3. ALL PRESSURES SHOWN ON EQUIPMENT ARE MAXIMUM ALLOWABLE PRESSURES FOR HYDROSTATIC TESTING PURPOSES ONLY. HYDROSTATIC PRESSURES AND TEMPERATURE PARAMETERS ARE TO BE AS DESIGNATED ON FIELD DIRECTIVE, S-C-A-900-110-051.
  4. ALL INSTRUMENTATION TO BE UNDERSTOOD TO CONTAIN THE PREFIX "I" FOR UNIT I.
  5. ALL VALVE AIR OPERATORS (A.O.) TO BE UNDERSTOOD TO BE NUMBERED WITH THE VALVE GENERATION NUMBER-A.O. EX. IM-51-AO.
  6. PIPING CLASS 530 WAS ORIGINALLY CLASSIFIED AS NUCLEAR CLASS III. TOP LEVEL RECLASSIFIED PIPING CLASS 530 TO BE NON-NUCLEAR. ANY MAINTENANCE, REPAIR AND/OR MODIFICATION HEREON SHALL COMPLY WITH THE REQUIREMENTS OF RECLASSIFIED PIPING CLASS.
  7. SAMPLE STATION "8800000-11-PL-1".
  8. IM-115, IM-176, IM-177 & IM-178 RELIEF VALVES CATEGORY IS NUCLEAR CLASS II, SEMI CLASS I AND SAFETY RELATED.
  9. TEMPORARY STRAINER TO BE PLACED IN SPOOL PIECE DURING INITIAL FLUSHING OPERATION. STRAINER MUST BE REMOVED BEFORE PLANT START UP.

NOTE: "1" - REV. B ORIGINAL ISSUE PER ORDER NO. 200008118

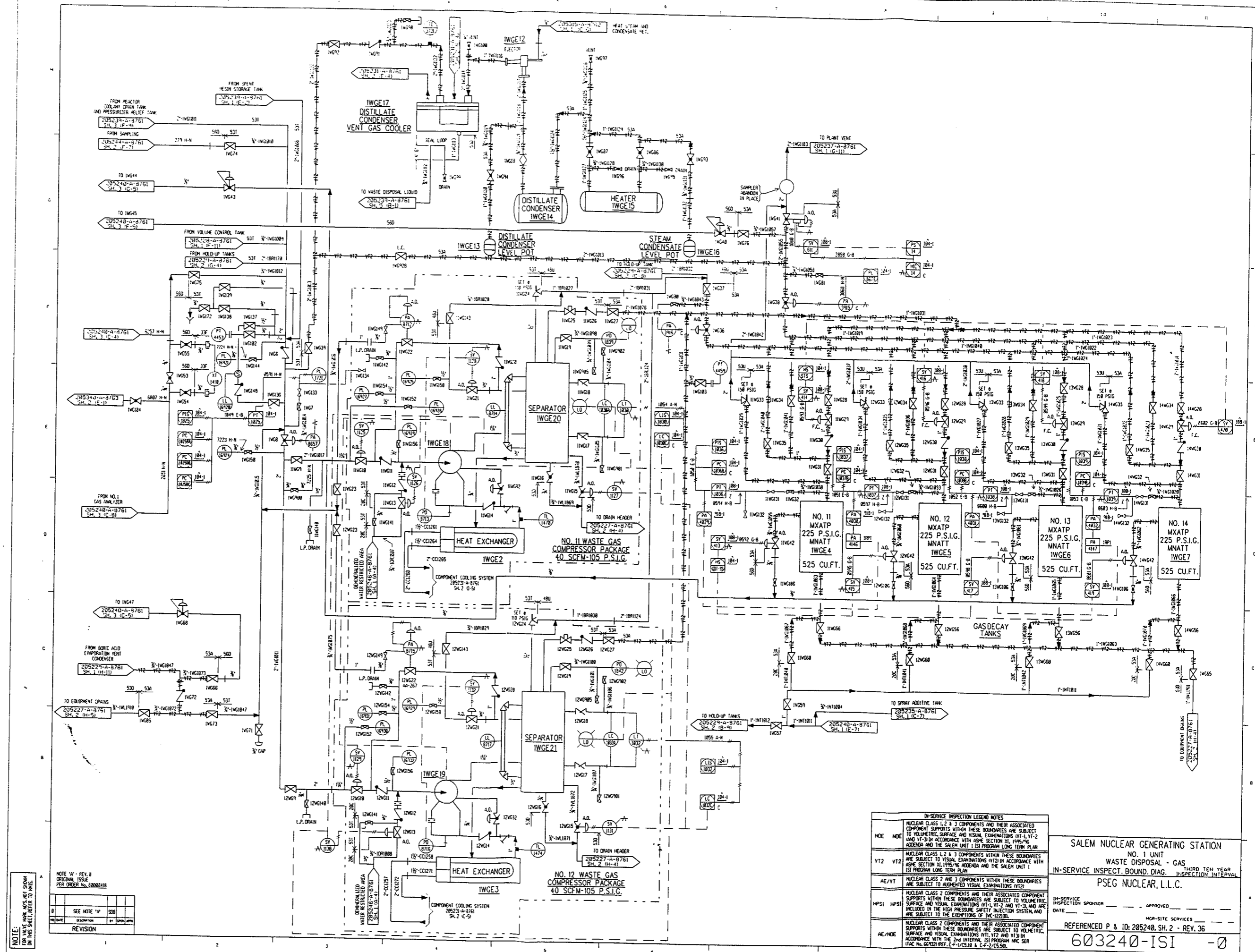
NO.	DATE	REVISION

**IN-SERVICE INSPECTION LEGEND NOTES**

NOE	NOE	DESCRIPTION
NOE	NOE	NUCLEAR CLASS 1, 2 & 3 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (VT-1, VT-2 AND VT-3) IN ACCORDANCE WITH ASME SECTION XI, 1995/16 ADDENDA AND THE SALEM UNIT I ISI PROGRAM LONG TERM PLAN.
VT2	VT2	NUCLEAR CLASS 1, 2 & 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL EXAMINATIONS (VT2) IN ACCORDANCE WITH ASME SECTION XI, 1995/16 ADDENDA AND THE SALEM UNIT I ISI PROGRAM LONG TERM PLAN.
AE/VT	AE/VT	NUCLEAR CLASS 2 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO AUGMENTED VISUAL EXAMINATIONS (VT2).
HPST	HPST	NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (VT-1, VT-2 AND VT-3) AND ARE INCLUDED IN THE HIGH PRESSURE SAFETY INJECTION SYSTEM AND ARE SUBJECT TO THE EXEMPTIONS OF 10-CF-1221(b).
AE/NOE	AE/NOE	NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (VT2 AND VT3) IN ACCORDANCE WITH THE 2nd INTERIM ISI PROGRAM NRC SER ITRC NO. 88-020 (REV. 1-24-88) 1.4.1-1.4.3.5.8.

**SALEM NUCLEAR GENERATING STATION**  
**NO. 1 UNIT**  
**WASTE DISPOSAL LIQUID**  
**IN-SERVICE INSPECT. BOUND. DIAG. THIRD TEN YEAR INSPECTION INTERVAL**  
**PSEG NUCLEAR, L.L.C.**

IN-SERVICE INSPECTION SPONSOR: C.J. CONNOR APPROVED: LOUIS F. LAKE  
 DATE: 12-16-87 MGR-SITE SERVICES: PETER J. KULDESS  
 REFERENCED P & ID: 205239, SH. 1 - REV. 44  
**603239-ISI -0**



NOTE: FOR WASTE DISPOSAL GAS SYSTEM, REFER TO SHEET 603240-10-1.

NOTE: "W" - REV. 8 ORIGINAL ISSUE PER ORDER NO. 2008818

NO.	DESCRIPTION	DATE
1	SEE NOTE "W" 508	
2	REVISION	

IN-SERVICE INSPECTION LEGEND NOTES	
NOE	NUCLEAR CLASS 1, 2 & 3 COMPONENTS AND THEIR ASSOCIATED SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (VT-1, VT-2 AND VT-3) IN ACCORDANCE WITH ASME SECTION XI, 1994/98 ADDENDA AND THE SALEM UNIT 1 ISI PROGRAM LONG TERM PLAN.
VT2	NUCLEAR CLASS 1, 2 & 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL EXAMINATIONS (VT2) IN ACCORDANCE WITH ISI PROGRAM LONG TERM PLAN.
AE/VT	NUCLEAR CLASS 2 AND 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO AUGMENTED VISUAL EXAMINATIONS (VT2).
HP/SI	NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (VT-1, VT-2 AND VT-3), AND ARE INCLUDED IN THE HIGH PRESSURE SAFETY INJECTION SYSTEM, AND ARE SUBJECT TO THE EXEMPTIONS OF IWC-122100L.
AE/NOE	NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (VT2 AND VT3) IN ACCORDANCE WITH THE 2ND INTERVAL ISI PROGRAM MFC SER 174C NO. 603240-10-1, C-1/12/01 & C-2/2/05/01.

SALEM NUCLEAR GENERATING STATION  
 NO. 1 UNIT  
 WASTE DISPOSAL - GAS  
 IN-SERVICE INSPECT. BOUND. DIAG. THIRD TEN YEAR INSPECTION INTERVAL  
 PSEG NUCLEAR, L.L.C.

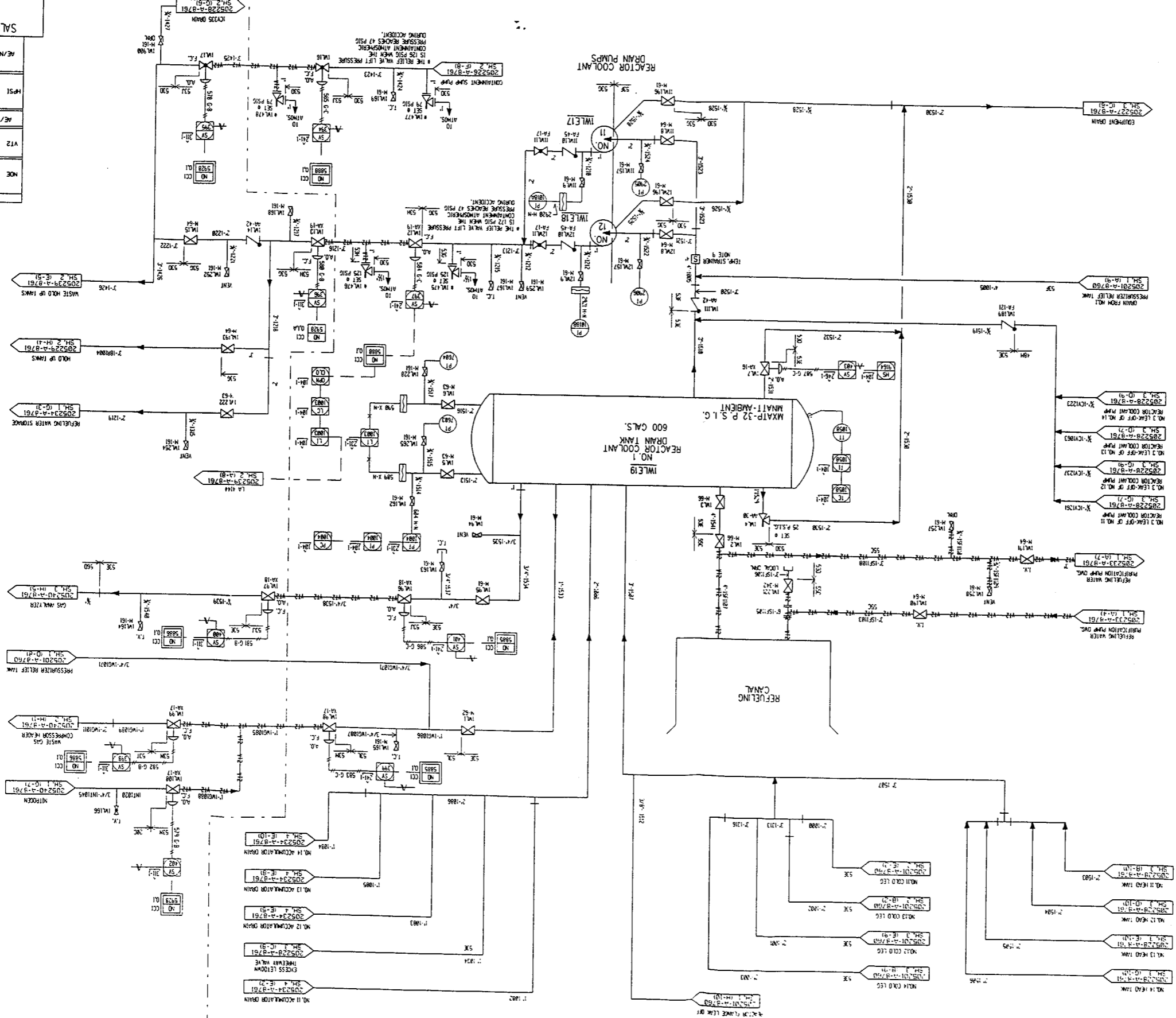
IN-SERVICE INSPECTION SPONSOR \_\_\_\_\_ APPROVED \_\_\_\_\_  
 DATE \_\_\_\_\_ MCR-SITE SERVICES

REFERENCED P & ID: 205240, SH. 2 - REV. 36  
 603240-ISI - 0

NOTE:  
FOR HEAD, HORN AND NO SOUNDS  
ON THIS SHEET, REFER TO THIS

NO.	REVISION	DATE	BY	CHKD
1	SEE NOTE NO. 14-84-308			
2	ORIGINAL ISSUE			
3	FOR C.I.C.L.F.			

REACTOR CONTAINMENT



6032239-1SI -1

NO. 1 UNIT  
WASTE DISPOSAL LIQUID  
INSERVICE INSPECT. BOUND. DIAG. INSPECTION INTERVAL

SALEM NUCLEAR GENERATING STATION

NO.	REV.	DESCRIPTION
NOE	NOE	NUCLEAR CLASS 1, 2 & 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL EXAMINATIONS IN ACCORDANCE WITH SECTION 11.1.1.1-1.1-2 AND 11.1.1.1-1.1-2 TO DETERMINE VISUAL EXAMINATIONS ARE SUBJECT TO VISUAL EXAMINATIONS WITHIN THESE BOUNDARIES.
VIZ	VIZ	NUCLEAR CLASS 2 AND 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL EXAMINATIONS WITHIN THESE BOUNDARIES.
AE/IT	AE/IT	NUCLEAR CLASS 2 AND 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL EXAMINATIONS WITHIN THESE BOUNDARIES.
AE/ST	AE/ST	NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED COMPONENTS ARE SUBJECT TO VISUAL EXAMINATIONS WITHIN THESE BOUNDARIES.
AE/ND	AE/ND	NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED COMPONENTS ARE SUBJECT TO VISUAL EXAMINATIONS WITHIN THESE BOUNDARIES.

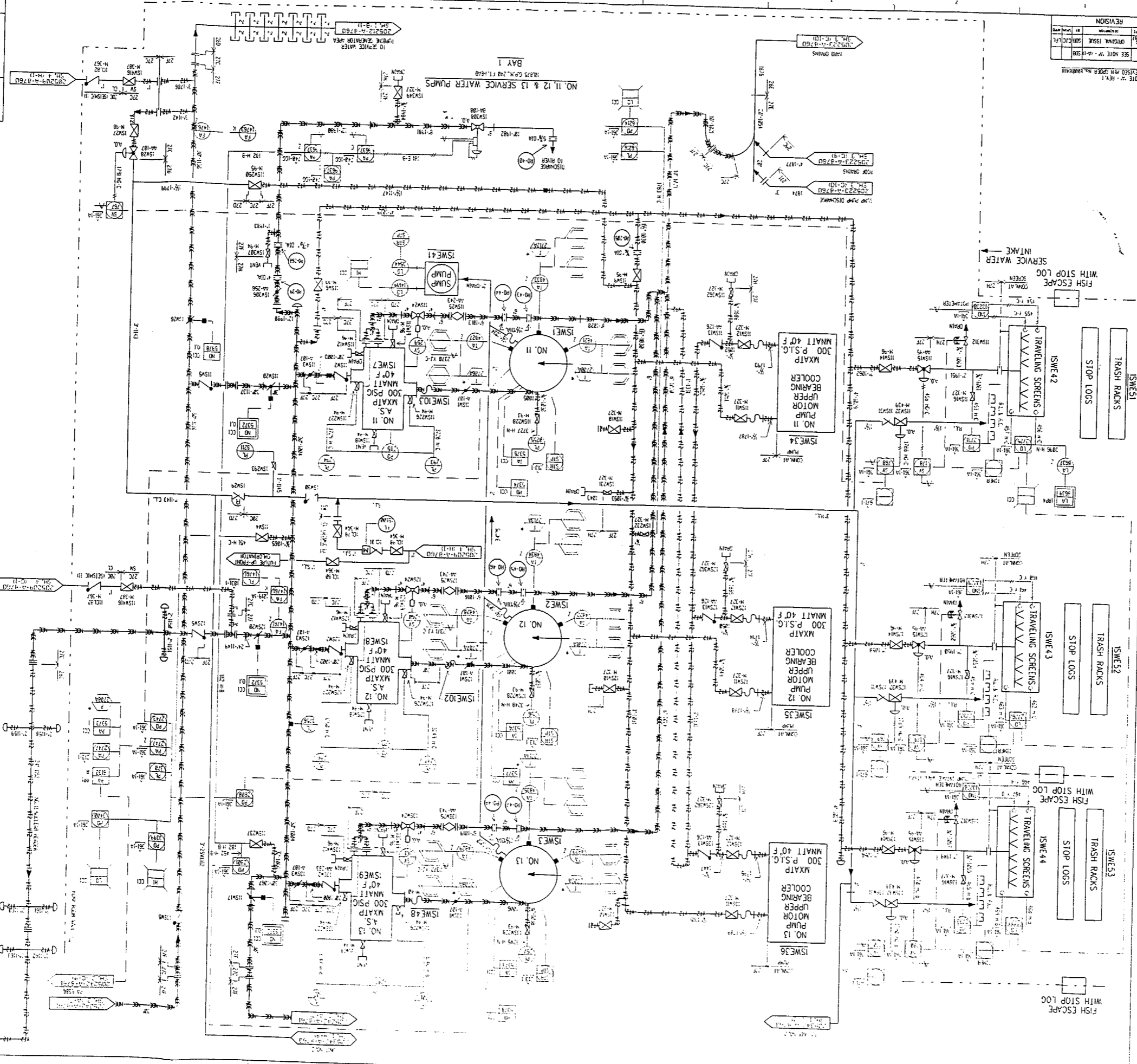
IN-SERVICE INSPECTION LEAD NOTES

DATE: 12-18-87  
INSPECTOR: [Signature]  
APPROVED: [Signature]

REFERENCES: P & ID: 205239, SH. 3 - REV. 45  
MCA-5176 SERVICES CENTER 2, WORK 833

NOTE:  
 1. THIS DRAWING IS NOT TO SCALE.  
 2. ALL DIMENSIONS ARE TO CENTER UNLESS OTHERWISE NOTED.  
 3. SEE NOTE 4 FOR SERVICE WATER TAKE OFF POINTS.

NO.	DATE	DESCRIPTION
1	10/11/04	ISSUED FOR CONSTRUCTION
2	05/01/05	REVISED PER DESIGN NO. 0000000000
3	05/01/05	REVISED PER DESIGN NO. 0000000000
4	05/01/05	REVISED PER DESIGN NO. 0000000000

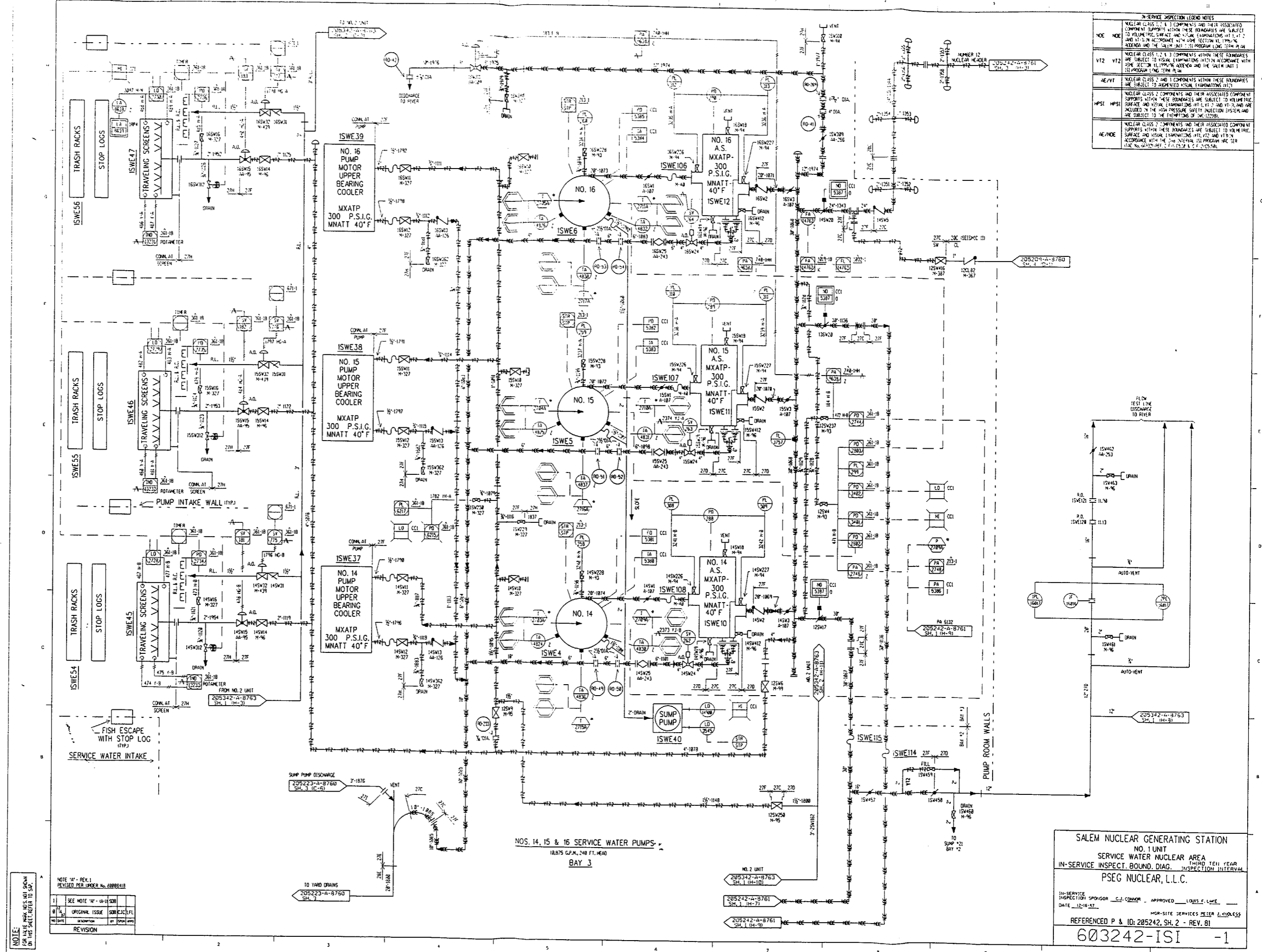


SALEM NUCLEAR GENERATING STATION  
 NO. 1 UNIT  
 SERVICE WATER NUCLEAR AREA  
 IN-SERVICE INSPECT. BOUND. DIAG.  
 PSEG NUCLEAR, L.L.C.  
 DATE: 12-16-97  
 REVISIONS: 10/11/04, 05/01/05, 05/01/05, 05/01/05  
 REFERENCED P & ID: 205242, SH. 1 - REV. 84  
 603242-2-1SI -1

NO.	DATE	DESCRIPTION
NOE	10/11/04	NO. 1 UNIT NUCLEAR CLASS 2 & 3 COMPONENTS WITH ASSOCIATED PIPING AND ELECTRICAL SYSTEMS SUBJECT TO VISUAL INSPECTION AND TESTING. VISUAL INSPECTION AND TESTING TO BE PERFORMED ON THE FOLLOWING:
WIZ	05/01/05	NO. 1 UNIT NUCLEAR CLASS 2 & 3 COMPONENTS WITH ASSOCIATED PIPING AND ELECTRICAL SYSTEMS SUBJECT TO VISUAL INSPECTION AND TESTING. VISUAL INSPECTION AND TESTING TO BE PERFORMED ON THE FOLLOWING:
AE/VT	05/01/05	NO. 1 UNIT NUCLEAR CLASS 2 & 3 COMPONENTS WITH ASSOCIATED PIPING AND ELECTRICAL SYSTEMS SUBJECT TO VISUAL INSPECTION AND TESTING. VISUAL INSPECTION AND TESTING TO BE PERFORMED ON THE FOLLOWING:
HP/SI	05/01/05	NO. 1 UNIT NUCLEAR CLASS 2 & 3 COMPONENTS WITH ASSOCIATED PIPING AND ELECTRICAL SYSTEMS SUBJECT TO VISUAL INSPECTION AND TESTING. VISUAL INSPECTION AND TESTING TO BE PERFORMED ON THE FOLLOWING:
AE/NOE	05/01/05	NO. 1 UNIT NUCLEAR CLASS 2 & 3 COMPONENTS WITH ASSOCIATED PIPING AND ELECTRICAL SYSTEMS SUBJECT TO VISUAL INSPECTION AND TESTING. VISUAL INSPECTION AND TESTING TO BE PERFORMED ON THE FOLLOWING:

DESIGN		BOUNDARY		SAFETY RELATED		SEISMIC NUCLEAR		QUALITY ASSUR.	
1	10/11/04	1	10/11/04	1	10/11/04	1	10/11/04	1	10/11/04
2	05/01/05	2	05/01/05	2	05/01/05	2	05/01/05	2	05/01/05
3	05/01/05	3	05/01/05	3	05/01/05	3	05/01/05	3	05/01/05
4	05/01/05	4	05/01/05	4	05/01/05	4	05/01/05	4	05/01/05
5	05/01/05	5	05/01/05	5	05/01/05	5	05/01/05	5	05/01/05
6	05/01/05	6	05/01/05	6	05/01/05	6	05/01/05	6	05/01/05
7	05/01/05	7	05/01/05	7	05/01/05	7	05/01/05	7	05/01/05
8	05/01/05	8	05/01/05	8	05/01/05	8	05/01/05	8	05/01/05
9	05/01/05	9	05/01/05	9	05/01/05	9	05/01/05	9	05/01/05
10	05/01/05	10	05/01/05	10	05/01/05	10	05/01/05	10	05/01/05
11	05/01/05	11	05/01/05	11	05/01/05	11	05/01/05	11	05/01/05
12	05/01/05	12	05/01/05	12	05/01/05	12	05/01/05	12	05/01/05
13	05/01/05	13	05/01/05	13	05/01/05	13	05/01/05	13	05/01/05
14	05/01/05	14	05/01/05	14	05/01/05	14	05/01/05	14	05/01/05
15	05/01/05	15	05/01/05	15	05/01/05	15	05/01/05	15	05/01/05
16	05/01/05	16	05/01/05	16	05/01/05	16	05/01/05	16	05/01/05
17	05/01/05	17	05/01/05	17	05/01/05	17	05/01/05	17	05/01/05
18	05/01/05	18	05/01/05	18	05/01/05	18	05/01/05	18	05/01/05
19	05/01/05	19	05/01/05	19	05/01/05	19	05/01/05	19	05/01/05
20	05/01/05	20	05/01/05	20	05/01/05	20	05/01/05	20	05/01/05

NOTES:  
 1. THIS DRAWING IS NOT TO SCALE.  
 2. ALL DIMENSIONS ARE TO CENTER UNLESS OTHERWISE NOTED.  
 3. SEE NOTE 4 FOR SERVICE WATER TAKE OFF POINTS.



IN-SERVICE INSPECTION LEGEND NOTES

NOE	NOE	NUCLEAR CLASS 1, 2, & 3 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS AT 1, 1.1, 2, AND 3.1 IN ACCORDANCE WITH SOME SECTION 11.19.1.1, 11.1.1, 11.1.2, AND 11.1.3 IN THE SALEM UNIT 1 ISI PROGRAM LONG TERM PLAN.
VIZ	VIZ	NUCLEAR CLASS 2 & 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL EXAMINATIONS WITHIN ACCORDANCE WITH SOME SECTION 11.19.1.1, 11.1.1, 11.1.2, AND 11.1.3 IN THE SALEM UNIT 1 ISI PROGRAM LONG TERM PLAN.
AE/VT	AE/VT	NUCLEAR CLASS 2 & 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO SUPPLEMENTED VISUAL EXAMINATIONS (VIZ).
MPSI	MPSI	NUCLEAR CLASS 2 & 3 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS AT 1, 1.1, 2, AND 3.1, AND ARE INCLUDED IN THE HIGH PRESSURE SAFETY INJECTION SYSTEM AND ARE SUBJECT TO THE EXEMPTIONS OF 10.1.2.2.1.1.
AE/NOE	AE/NOE	NUCLEAR CLASS 2 & 3 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS AT 1, 1.1, 2, AND 3.1 IN ACCORDANCE WITH THE ISI PROGRAM LONG TERM PLAN AND ARE SUBJECT TO THE EXEMPTIONS OF 10.1.2.2.1.1.

NOTE: FOR ALL WORK, REFER TO DRAWING ON THIS SHEET, REFER TO SUPP.

NOTE: REV. 1  
REVISED PER UNDER NO. 20088418

NO.	DATE	DESCRIPTION	BY	CHKD.
1		SEE NOTE 'M' - (4-11-50)		
2		ORIGINAL ISSUE		
3		SOB/CAC/PL		
4		REVISION		

SALEM NUCLEAR GENERATING STATION  
NO. 1 UNIT  
SERVICE WATER NUCLEAR AREA  
IN-SERVICE INSPECT. BOUND. DIAG. INSPECTION INTERVAL  
PSEG NUCLEAR, L.L.C.

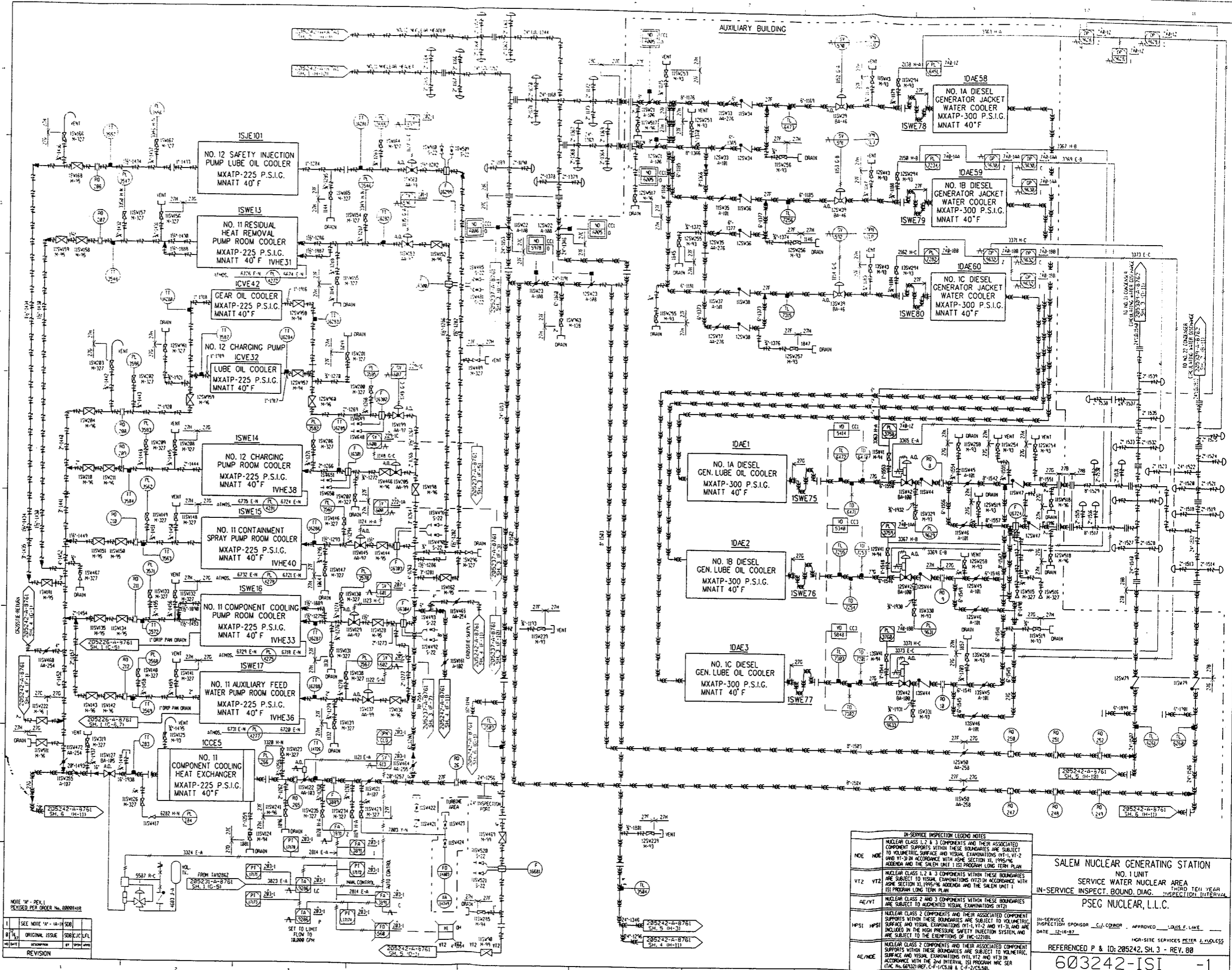
IN-SERVICE INSPECTION SPONSOR: C.J. CONNOR APPROVED: LOUIS F. LUKW  
DATE: 12-16-87  
MGR-SITE SERVICES: PETER J. KROLES

REFERENCED P & ID: 205242, SH. 2 - REV. 81

603242-ISI -1

NOS. 14, 15 & 16 SERVICE WATER PUMPS  
18.875 G.P.M., 248 FT. HEAD  
BAY 3





NOTE:  
FOR WORK MAKE USE OF SYMBOLS  
ON THIS SHEET REFER TO SH.

NOTE: 'M' - REV. 1  
REVISED PER ORDER NO. 28888-118

NO.	REV.	DATE	DESCRIPTION
1	1	04-11-80	ORIGINAL ISSUE
2	1	08-11-80	REVISION

IN-SERVICE INSPECTION LEGEND NOTES

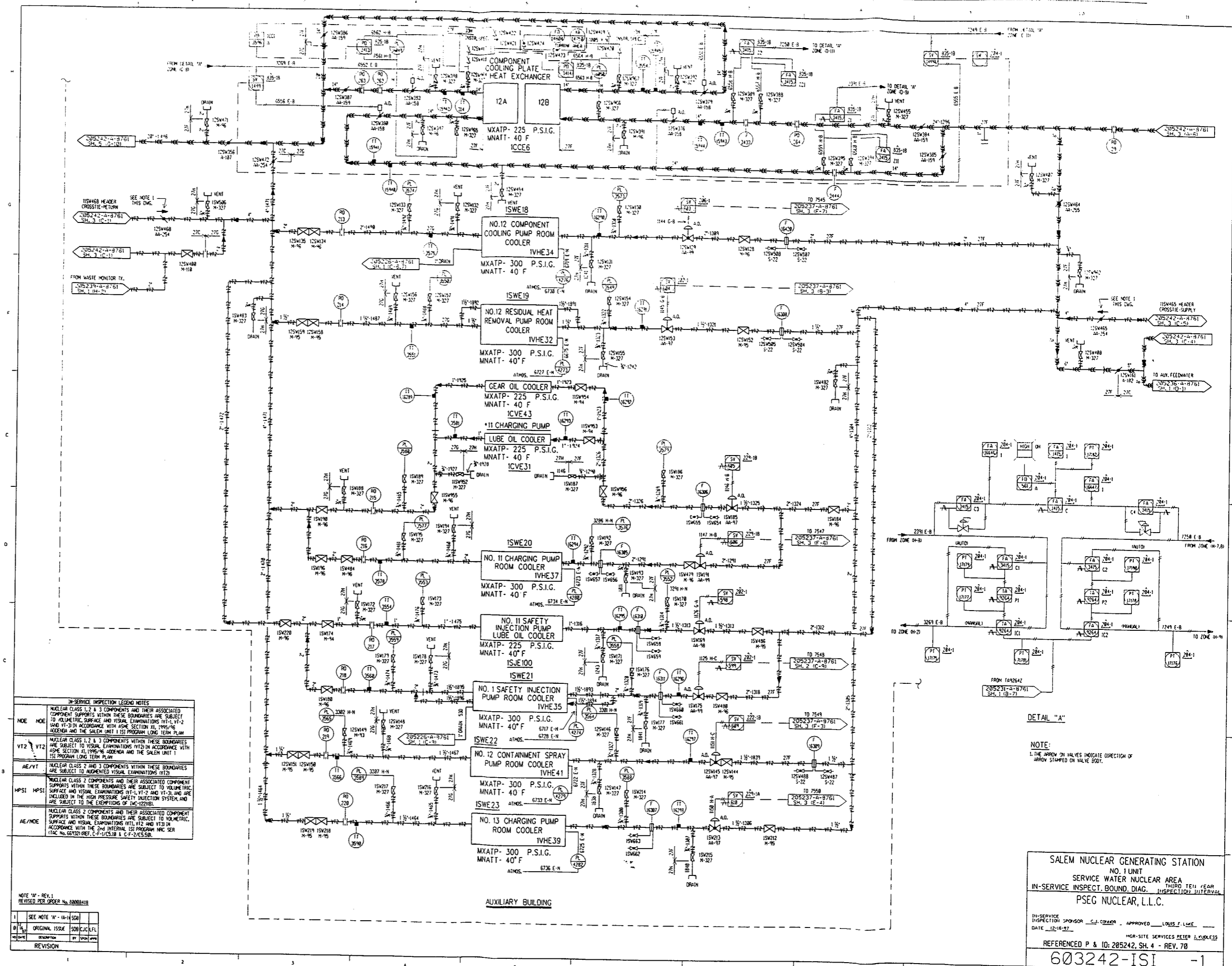
NOE	NOE	NUCLEAR CLASS 2 & 3 COMPONENTS AND THEIR ASSOCIATED SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (VT-1, VT-2 AND VT-3) IN ACCORDANCE WITH ASME SECTION XI, 1995/98 ADDENDA AND THE SALEM UNIT 1 ISI PROGRAM LONG TERM PLAN.
VT2	VT2	NUCLEAR CLASS 1, 2 & 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL EXAMINATIONS (VT2) IN ACCORDANCE WITH ASME SECTION XI, 1995/98 ADDENDA AND THE SALEM UNIT 1 ISI PROGRAM LONG TERM PLAN.
AE/VT	AE/VT	NUCLEAR CLASS 2 & 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO AUGMENTED VISUAL EXAMINATIONS (VT2).
HP/VI	HP/VI	NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (VT-1, VT-2 AND VT-3), AND ARE INCLUDED IN THE HIGH PRESSURE SAFETY INJECTION SYSTEM AND ARE SUBJECT TO THE EXEMPTIONS OF IWC-1221(B).
AE/NOE	AE/NOE	NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (VT-1, VT-2 AND VT-3) IN ACCORDANCE WITH THE 2ND INTERIM ISI PROGRAM MDC SER (TAC No. 603242-01-C-F-2-1558).

SALEM NUCLEAR GENERATING STATION  
NO. 1 UNIT  
SERVICE WATER NUCLEAR AREA  
IN-SERVICE INSPECT. BOUND. DIAG.  
PSEC NUCLEAR, L.L.C.  
THIRD TEN YEAR INSPECTION INTERVAL

IN-SERVICE INSPECTION SPONSOR: C.J. COOPER, APPROVED: LOUIS F. LANE  
DATE: 12-16-87

REFERENCED P & ID: 205242, SH. 3 - REV. 88

603242-ISI -1

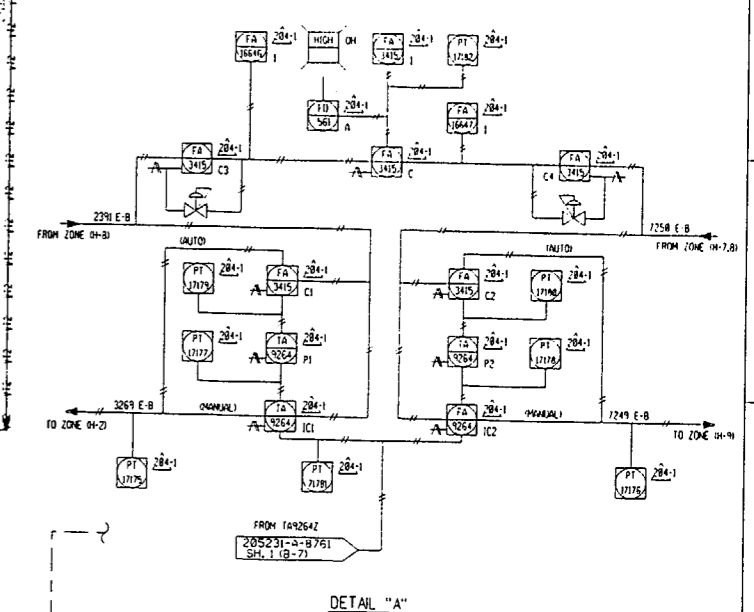


**IN-SERVICE INSPECTION LEGEND NOTES**

NDC	NDC	NUCLEAR CLASS 1, 2 & 3 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (VT-1, VT-2 AND VT-3) IN ACCORDANCE WITH ASME SECTION II, 1955/98 ADDENDA AND THE SALEM UNIT 1 ISI PROGRAM LONG TERM PLAN.
VT2	VT2	NUCLEAR CLASS 1, 2 & 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL EXAMINATIONS (VT2) IN ACCORDANCE WITH ASME SECTION II, 1955/98 ADDENDA AND THE SALEM UNIT 1 ISI PROGRAM LONG TERM PLAN.
AE/VT		NUCLEAR CLASS 2 AND 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO AUGMENTED VISUAL EXAMINATIONS (VT2).
HPSI	HPSI	NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (VT-1, VT-2 AND VT-3) AND ARE INCLUDED IN THE HIGH PRESSURE SAFETY INJECTION SYSTEM, AND ARE SUBJECT TO THE EXEMPTIONS OF IAC-1221(B).
AE/NDC		NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (VT-1, VT-2 AND VT-3) IN ACCORDANCE WITH THE 2ND INTERVAL ISI PROGRAM NRC SER 11AC 603242-REF. C-F-1/C5.10 & C-F-2/C5.50.

NOTE 'W' - REV. 1  
REVISED PER ORDER NO. 20088418

NO.	DATE	DESCRIPTION	BY	CHKD
1	SEE NOTE 'W' - (A)-(1) SOB			
2	ORIGINAL ISSUE	SOB CJC/LFL		
3	REVISION			



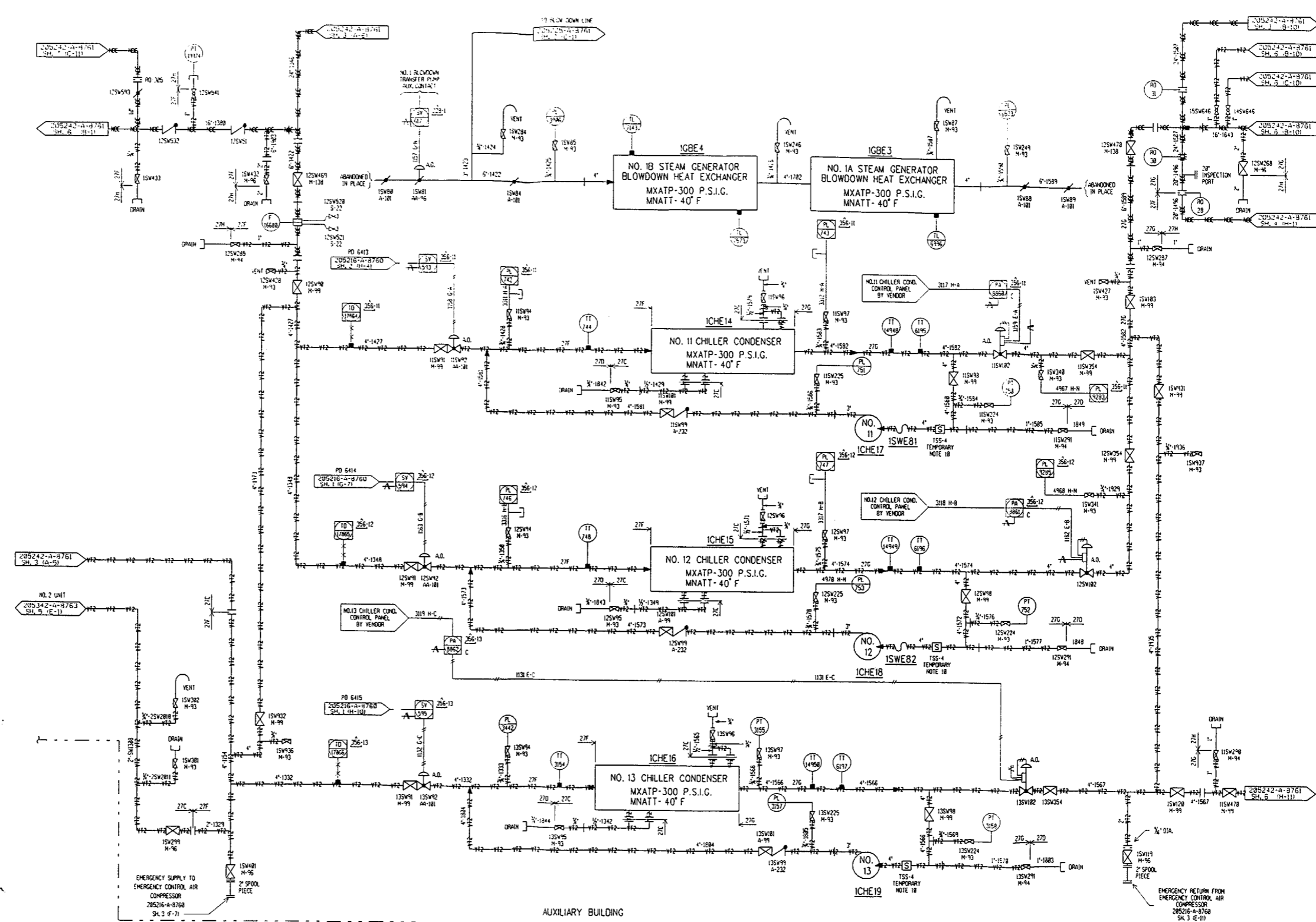
NOTE:  
1. THE ARROW ON VALVES INDICATE DIRECTION OF FLOW STAMPED ON VALVE BODY.

**SALEM NUCLEAR GENERATING STATION**  
NO. 1 UNIT  
SERVICE WATER NUCLEAR AREA  
IN-SERVICE INSPECT. BOUND. DIAG. INSPECTION INTERVAL  
PSEG NUCLEAR, L.L.C.

IN-SERVICE SPONSOR: C.J. COLLIER APPROVED: LOUIS F. LACE  
DATE: 12-16-97 MGR-SITE SERVICES: PETER J. KUDRINSKY

REFERENCED P & ID: 205242, SH. 4 - REV. 70

**603242-ISI -1**



NOTE: FOR THIS DRAWING, ALL SHOWN PARTS ARE TO BE INSTALLED AS SHOWN UNLESS SPECIFIED OTHERWISE.

NOTE: REV. 1  
REVISED PER ORDER NO. 80006118

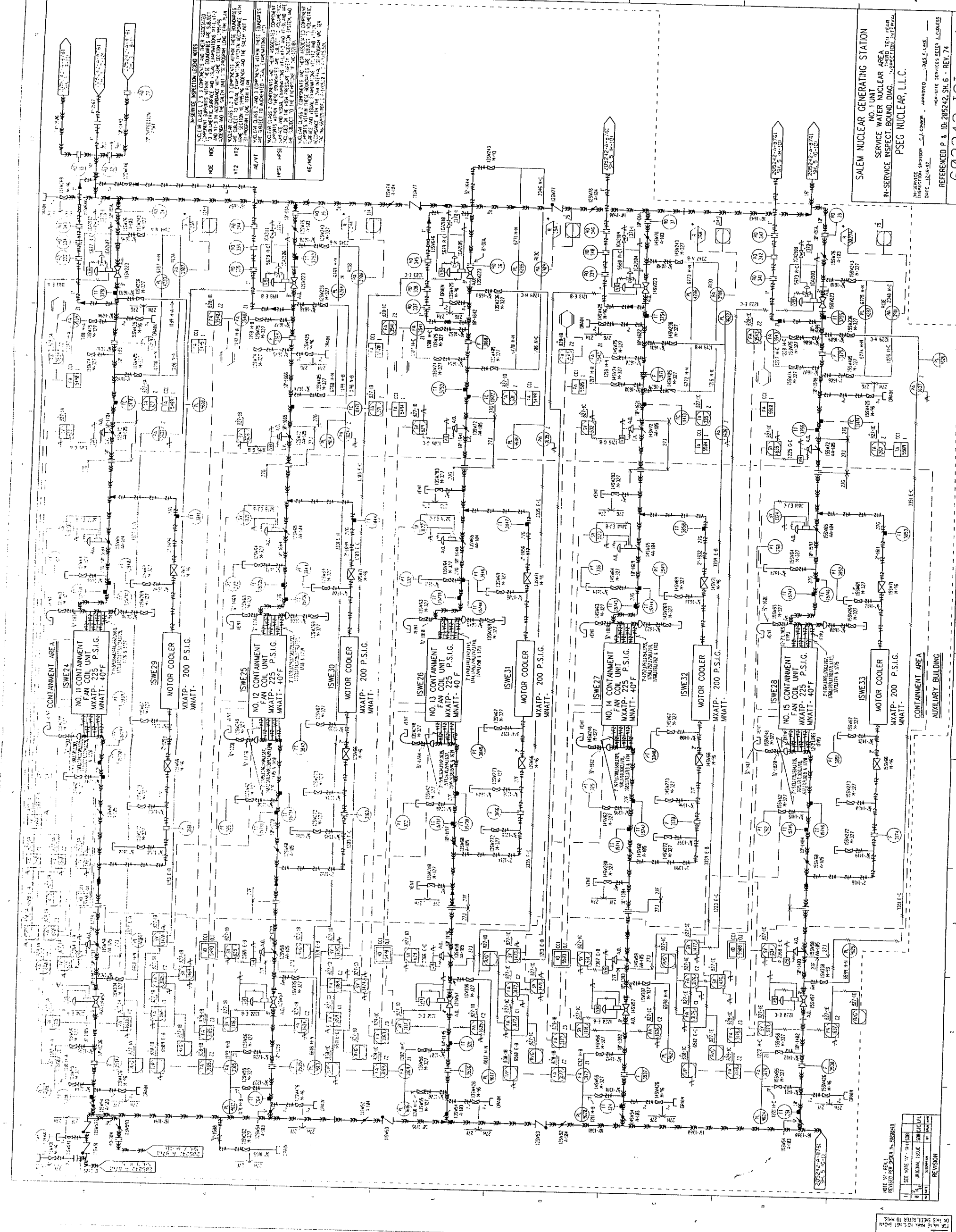
NO.	DATE	DESCRIPTION	BY	APP'D.
1	04-11-00	SEE NOTE 10 - (A) (1) (5) (6)	SOB	CJC/LFL
2	04-11-00	ORIGINAL ISSUE	SOB	CJC/LFL
3	04-11-00	REVISION	BT	DPH/APP

IN-SERVICE INSPECTION LEGEND NOTES	
NDE	NUCLEAR CLASS 1, 2 & 3 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (V1), V1-2 AND V1-3 IN ACCORDANCE WITH ASME SECTION XI, 1995/96 ADDENDA AND THE SALEM UNIT 1 ISI PROGRAM LONG TERM PLAN.
V12	NUCLEAR CLASS 1, 2 & 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL EXAMINATIONS (V12) IN ACCORDANCE WITH ASME SECTION XI, 1995/96 ADDENDA AND THE SALEM UNIT 1 ISI PROGRAM LONG TERM PLAN.
AE/VT	NUCLEAR CLASS 2 AND 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO AUGMENTED VISUAL EXAMINATIONS (V2).
HPSI	NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (V1), V1-2 AND V1-3, AND ARE INCLUDED IN THE HIGH PRESSURE SAFETY INJECTION SYSTEM, AND ARE SUBJECT TO THE EXEMPTIONS OF IAC-122180.
AE/NDE	NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (V1), V12 AND V13 IN ACCORDANCE WITH THE 240 INTERVAL ISI PROGRAM NRC SER (IAC No. 6822) REF. C-F-1/C-18 & C-F-2/C-25.

SALEM NUCLEAR GENERATING STATION  
NO. 1 UNIT  
SERVICE WATER NUCLEAR AREA  
IN-SERVICE INSPECT. BOUND. DIAG. INSPECTION INTERVAL  
PSEG NUCLEAR, L.L.C.

IN-SERVICE INSPECTION SPONSOR: C.J. CONNOR APPROVED: LOUIS F. LIME  
DATE: 12-16-97  
MGR-SITE SERVICES: PETER J. KROUSS

REFERENCED P & ID: 20525 - SH. 5 - REV. 69  
603242-ISI -1



IN-SERVICE INSPECTION (SISO) NOTES

NO. 11 CONTAINMENT FAN COIL UNIT  
 MXATP-225 P.S.I.G.  
 MNATT-40°F

NO. 12 CONTAINMENT FAN COIL UNIT  
 MXATP-225 P.S.I.G.  
 MNATT-40°F

NO. 13 CONTAINMENT FAN COIL UNIT  
 MXATP-225 P.S.I.G.  
 MNATT-40°F

NO. 14 CONTAINMENT FAN COIL UNIT  
 MXATP-225 P.S.I.G.  
 MNATT-40°F

NO. 15 CONTAINMENT FAN COIL UNIT  
 MXATP-225 P.S.I.G.  
 MNATT-40°F

MOTOR COOLER  
 MXATP-200 P.S.I.G.  
 MNATT-

SALEM NUCLEAR GENERATING STATION  
 NO. 1 UNIT  
 SERVICE WATER NUCLEAR AREA  
 IN-SERVICE INSPECTION (SISO) NOTES  
 PSEG NUCLEAR, L.L.C.

INSPECTOR: [Name]  
 DATE: [Date]

APPROVED: [Signature]  
 DATE: [Date]

REVISIONS

NO.	DATE	DESCRIPTION
1	11/10/00	ORIGINAL ISSUE
2	03/15/01	REVISION

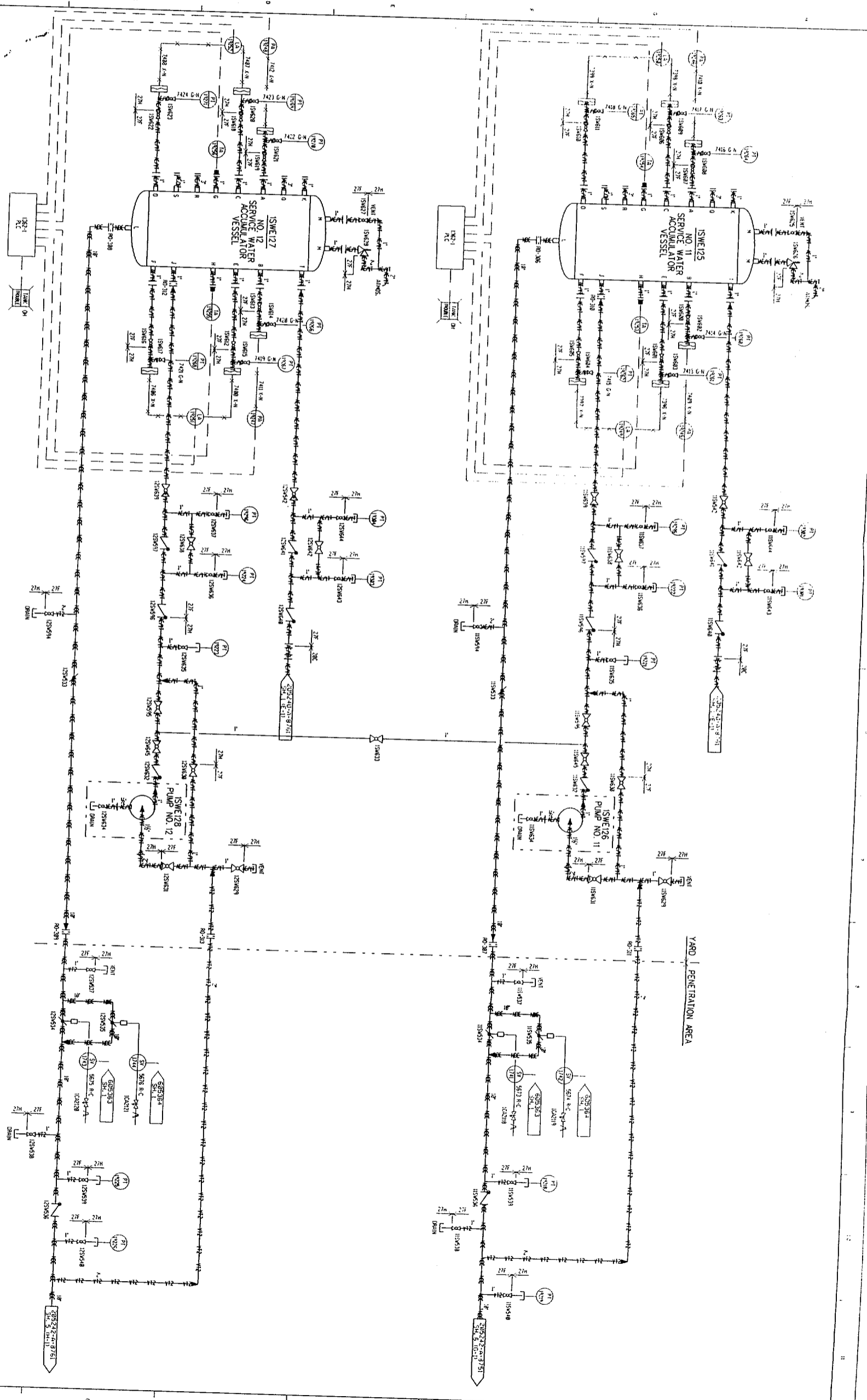
NOTE: THIS SHEET REFERS TO THE SISO REPORT.

REVISION

**NOTE:**  
FOR VALVE MARK NOS. NOT SHOWN  
ON THIS SHEET, REFER TO PGS.

NO.	DATE	REVISION
1	04-11-08	ISSUE FOR CONSTRUCTION
2	04-11-08	REVISED PER COMMENTS
3	04-11-08	REVISED PER COMMENTS
4	04-11-08	REVISED PER COMMENTS
5	04-11-08	REVISED PER COMMENTS
6	04-11-08	REVISED PER COMMENTS
7	04-11-08	REVISED PER COMMENTS
8	04-11-08	REVISED PER COMMENTS
9	04-11-08	REVISED PER COMMENTS
10	04-11-08	REVISED PER COMMENTS

NOTE: V.V. - REV. 4  
ORIGINAL ISSUE  
BY: [Signature]  
DATE: 04-11-08

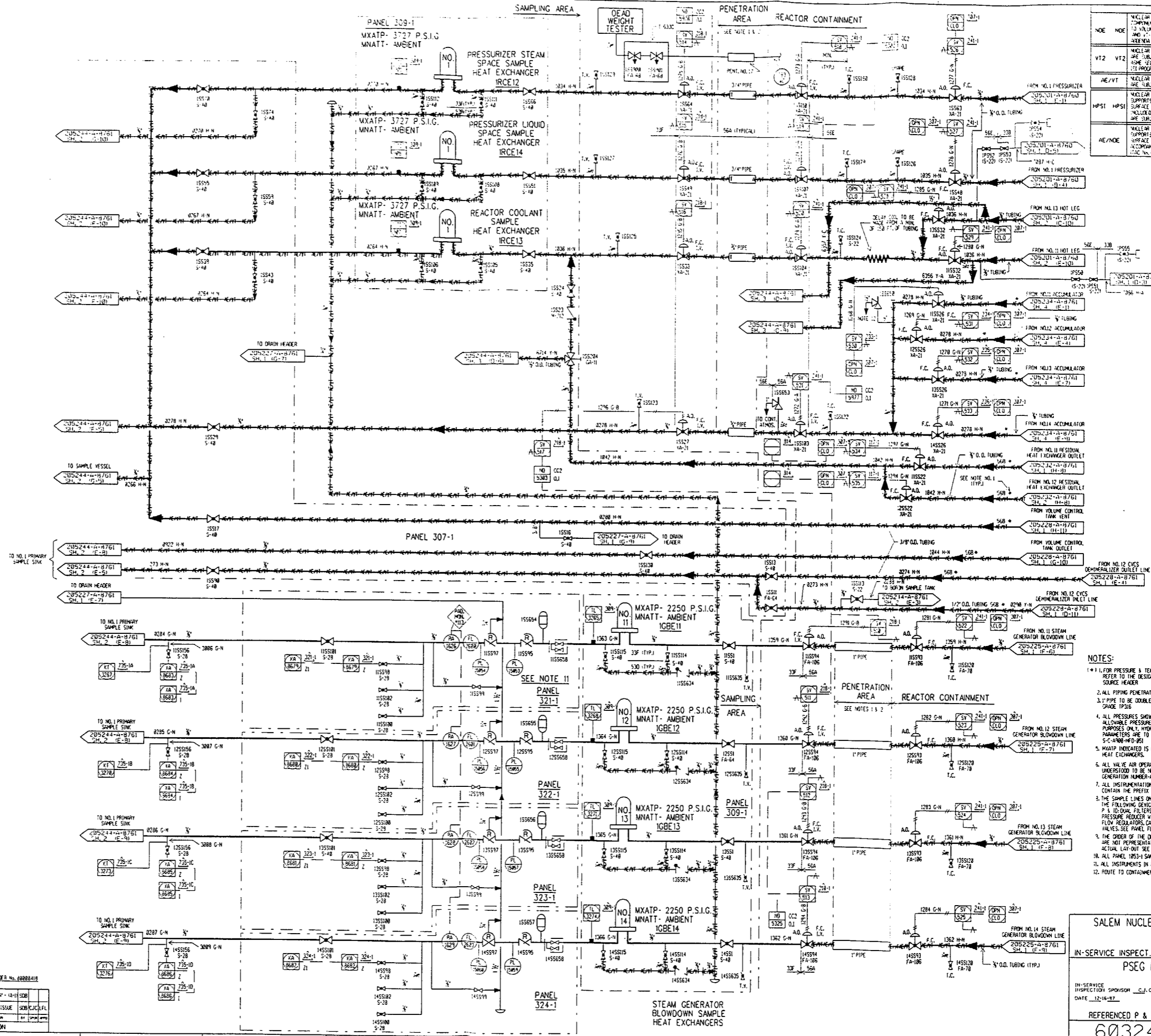


NO.	DESCRIPTION	DATE
1	ISSUE FOR CONSTRUCTION	04-11-08
2	REVISED PER COMMENTS	04-11-08
3	REVISED PER COMMENTS	04-11-08
4	REVISED PER COMMENTS	04-11-08
5	REVISED PER COMMENTS	04-11-08
6	REVISED PER COMMENTS	04-11-08
7	REVISED PER COMMENTS	04-11-08
8	REVISED PER COMMENTS	04-11-08
9	REVISED PER COMMENTS	04-11-08
10	REVISED PER COMMENTS	04-11-08

**SALEM NUCLEAR GENERATING STATION**  
NO. 1 UNIT  
SERVICE WATER NUCLEAR AREA  
INSPECT BOUND DIAG. - INSPECTION INTERVAL  
PSEG NUCLEAR, L.L.C.

INSPECTION SPONSOR: S.I. CORP.  
DATE: 11-14-11  
INSPECTOR: [Signature]

REFERENCES: P & ID: 205242, SH. 7 - REV. 01  
MCA-SITE SERVICES: [Signature]



IN-SERVICE INSPECTION LEGEND NOTES

NOE	NOE	NUCLEAR CLASS 1, 2 & 3 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL SURFACE AND VISUAL EXAMINATIONS (VT-1, VT-2 AND VT-3) IN ACCORDANCE WITH ASME SECTION II, PART 10, SUBSECTION N, AND THE SALEM UNIT 1 ISI PROGRAM LONG TERM PLAN.
VT2	VT2	NUCLEAR CLASS 1, 2 & 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL EXAMINATIONS WITHIN ACCORDANCE WITH ASME SECTION II, PART 10, SUBSECTION N, AND THE SALEM UNIT 1 ISI PROGRAM LONG TERM PLAN.
AE/VT	AE/VT	NUCLEAR CLASS 2 AND 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO SUPPLEMENTED VISUAL EXAMINATIONS (VT2).
HP/ST	HP/ST	NUCLEAR CLASS 1, 2 & 3 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL SURFACE AND VISUAL EXAMINATIONS (VT-1, VT-2 AND VT-3) AND ARE INCLUDED IN THE HIGH PRESSURE SAFETY INJECTION SYSTEM AND ARE SUBJECT TO THE EXAMINATIONS OF THE 122100.
AE/NOE	AE/NOE	NUCLEAR CLASS 1 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL SURFACE AND VISUAL EXAMINATIONS (VT-1, VT-2 AND VT-3) IN ACCORDANCE WITH THE ISI PROGRAM LONG TERM PLAN AND THE SALEM UNIT 1 ISI PROGRAM NRC SER. (10C-NR-5602) REF. OF 10-15-83 & 10-21-83.

- NOTES:
1. ALL LEAK PRESSURE & TEMPERATURE DESIGN PARAMETERS REFER TO THE DESIGN PARAMETERS AT THE ORIGINATING SOURCE HEADER.
  2. ALL PIPING PENETRATION TO BE AS PER PIPING SPEC 1547.
  3. PIPE TO BE DOUBLE EXTRA STRONG ASTM A316 GRADE 19316.
  4. ALL PRESSURES SHOWN ON EQUIPMENT ARE MAXIMUM ALLOWABLE PRESSURES FOR HYDROSTATIC TESTING PURPOSES ONLY. HYDROSTATIC PRESSURES AND TEMPERATURE PARAMETERS ARE TO BE AS DESIGNATED ON FIELD DIRECTIVE 5-C-ANM-80-001.
  5. HEAT INDICATED IS FOR THE TUBE SIDE OF THE SAMPLE HEAT EXCHANGERS.
  6. ALL VALVE AIR OPERATORS (AO) TO BE UNDERSTOOD TO BE NUMBERED WITH THE VALVE GENERATION NUMBER-A.O. EX. 15551M-AO.
  7. ALL INSTRUMENTATION TO BE UNDERSTOOD TO CONTAIN THE PREFIX "FOR UNIT 1".
  8. THE SAMPLE LINES ON ON-LINE MONITORING PANEL 1853-1 HAVE P & ID TAGS, FILTERS WITH DIFFERENTIAL PRESSURE SWITCH, PRESSURE REDUCER WITH PRESSURE GAUGE, TEMPERATURE SENSOR, FLOW REGULATOR, CATION DEMINERALIZER AND ASSOCIATED VALVES. SEE PANEL FLOW DIAGRAMS FOR THESE DEVICES.
  9. THE ORDER OF THE DEMINERALIZER HEADER TAGS ARE NOT REPRESENTATIVE OF THE PHYSICAL LAYOUT FOR ACTUAL LAYOUT SEE PANEL 1853-1 FLOW DIAGRAMS.
  10. ALL PANEL 1853-1 SAMPLE INLET CONNECTIONS ARE 1/2".
  11. ALL INSTRUMENTS IN PANELS 321-1, 323-1, 324-1 & 10 ARE SPARED IN PLACE.
  12. ROUTE TO CONTAINMENT TRENCH DRAIN.

SALEM NUCLEAR GENERATING STATION  
 NO. 1 UNIT  
 SAMPLING  
 IN-SERVICE INSPECTION BOUND. DIAG. THIRD TEN YEAR INSPECTION INTERVAL  
 PSEG NUCLEAR, L.L.C.

IN-SERVICE INSPECTION SPONSOR: C.J. CONNOR APPROVED: LOUIS F. LAKE  
 DATE: 12-18-87  
 MFG-SITE SERVICES CENTER 2-K00055  
 REFERENCED P & ID: 205244, SH. 1 - REV. 39  
 603244-ISI -1

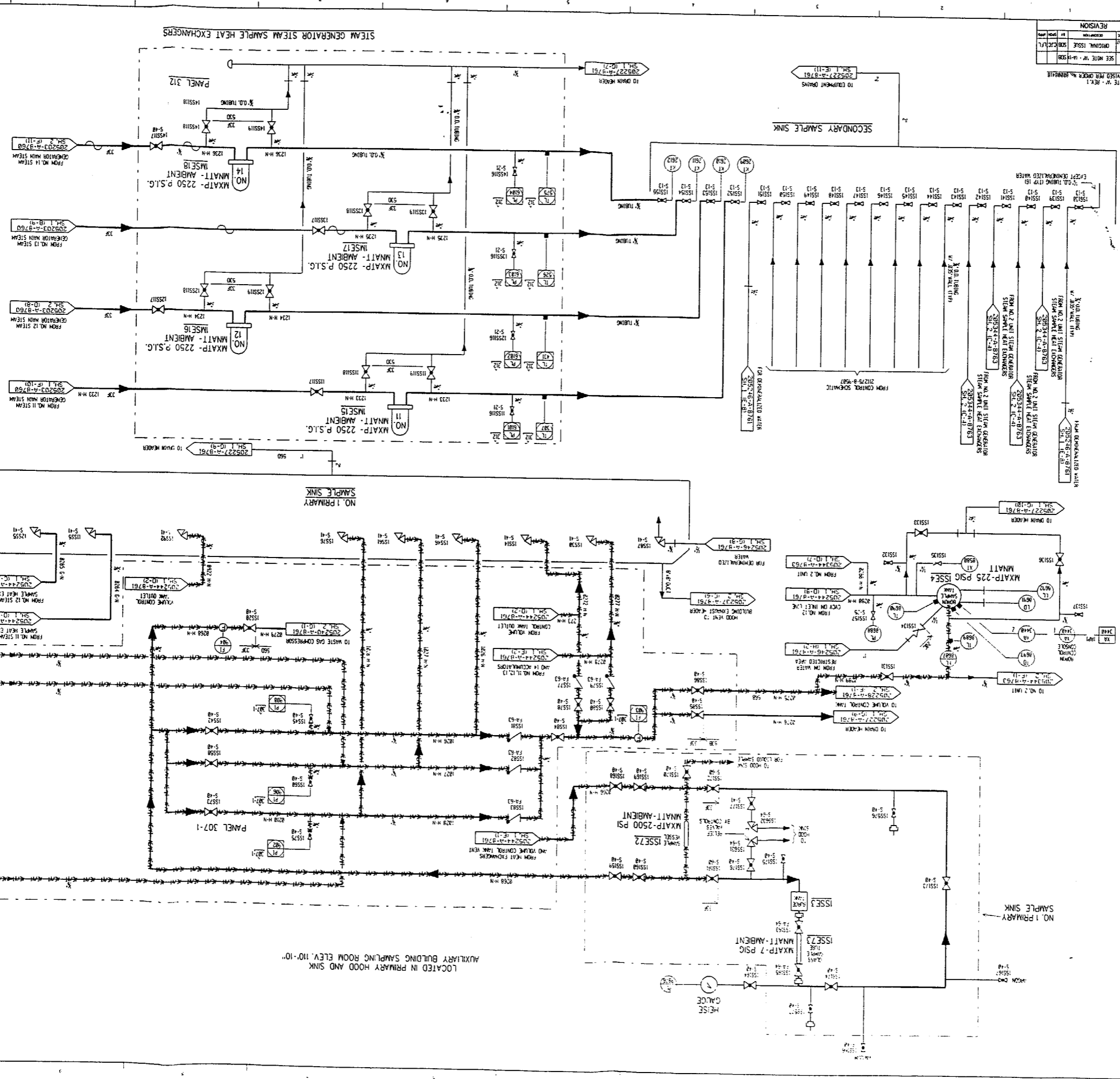
NOTE: THIS IS A REVISION TO THE ORIGINAL ISSUE.

NO.	DATE	DESCRIPTION	BY	CHKD.	APP.
1	12-18-87	REVISED PER DRAWING NO. 603244-1			
2		SEE NOTE 11 - (A)H/SDB			
3		ORIGINAL ISSUE			

REVISION

NOTE:  
 1. THIS DRAWING IS FOR INFORMATION ONLY.  
 2. THE DESIGNER IS NOT RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION CONTAINED HEREIN.  
 3. THE USER OF THIS DRAWING SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION CONTAINED HEREIN.

REV.	DATE	DESCRIPTION
1	12-15-87	ISSUED FOR CONSTRUCTION
2	03-27-88	REVISED PER ORDER NO. 205227-A-8761
3	03-27-88	REVISED PER ORDER NO. 205227-A-8761



SALEM NUCLEAR GENERATING STATION  
 NO. 1 UNIT  
 IN-SERVICE INSPECT. BOUND. DIAG. INSPECTION INTERVAL  
 PSEG NUCLEAR, L.L.C.  
 INSPECTION SUPERVISOR: CLYDE J. WILSON  
 DATE: 12-15-87  
 APPROVED: LOUIS F. LANE  
 REFERENCED P & ID: 205244-SH. 2 - REV. 32  
 603244-ISI -1

NO.	DESCRIPTION
NO. 1	IN-SERVICE INSPECTION INTERVAL
NO. 2	IN-SERVICE INSPECTION INTERVAL
NO. 3	IN-SERVICE INSPECTION INTERVAL
NO. 4	IN-SERVICE INSPECTION INTERVAL
NO. 5	IN-SERVICE INSPECTION INTERVAL
NO. 6	IN-SERVICE INSPECTION INTERVAL
NO. 7	IN-SERVICE INSPECTION INTERVAL
NO. 8	IN-SERVICE INSPECTION INTERVAL
NO. 9	IN-SERVICE INSPECTION INTERVAL
NO. 10	IN-SERVICE INSPECTION INTERVAL
NO. 11	IN-SERVICE INSPECTION INTERVAL
NO. 12	IN-SERVICE INSPECTION INTERVAL
NO. 13	IN-SERVICE INSPECTION INTERVAL
NO. 14	IN-SERVICE INSPECTION INTERVAL
NO. 15	IN-SERVICE INSPECTION INTERVAL
NO. 16	IN-SERVICE INSPECTION INTERVAL
NO. 17	IN-SERVICE INSPECTION INTERVAL
NO. 18	IN-SERVICE INSPECTION INTERVAL
NO. 19	IN-SERVICE INSPECTION INTERVAL
NO. 20	IN-SERVICE INSPECTION INTERVAL

NO. 11  
 FROM NO. 11 STEAM GENERATOR MAIN STEAM  
 SH. 1 (F-10)  
 205203-A-8760

NO. 12  
 FROM NO. 12 STEAM GENERATOR MAIN STEAM  
 SH. 2 (D-9)  
 205203-A-8760

NO. 13  
 FROM NO. 13 STEAM GENERATOR MAIN STEAM  
 SH. 1 (F-10)  
 205203-A-8760

NO. 14  
 FROM NO. 14 STEAM GENERATOR MAIN STEAM  
 SH. 2 (F-11)  
 205203-A-8760

LOCATED IN PRIMARY HOOD AND SINK  
 AUXILIARY BUILDING SAMPLING ROOM ELEV. 110'-10"

PANEL 307-1

NO. 1 PRIMARY SAMPLE SINK

NO. 2 PRIMARY SAMPLE SINK

NO. 3 PRIMARY SAMPLE SINK

NO. 4 PRIMARY SAMPLE SINK

NO. 5 PRIMARY SAMPLE SINK

NO. 6 PRIMARY SAMPLE SINK

NO. 7 PRIMARY SAMPLE SINK

NO. 8 PRIMARY SAMPLE SINK

NO. 9 PRIMARY SAMPLE SINK

NO. 10 PRIMARY SAMPLE SINK

NO. 11 PRIMARY SAMPLE SINK

NO. 12 PRIMARY SAMPLE SINK

NO. 13 PRIMARY SAMPLE SINK

NO. 14 PRIMARY SAMPLE SINK

NO. 15 PRIMARY SAMPLE SINK

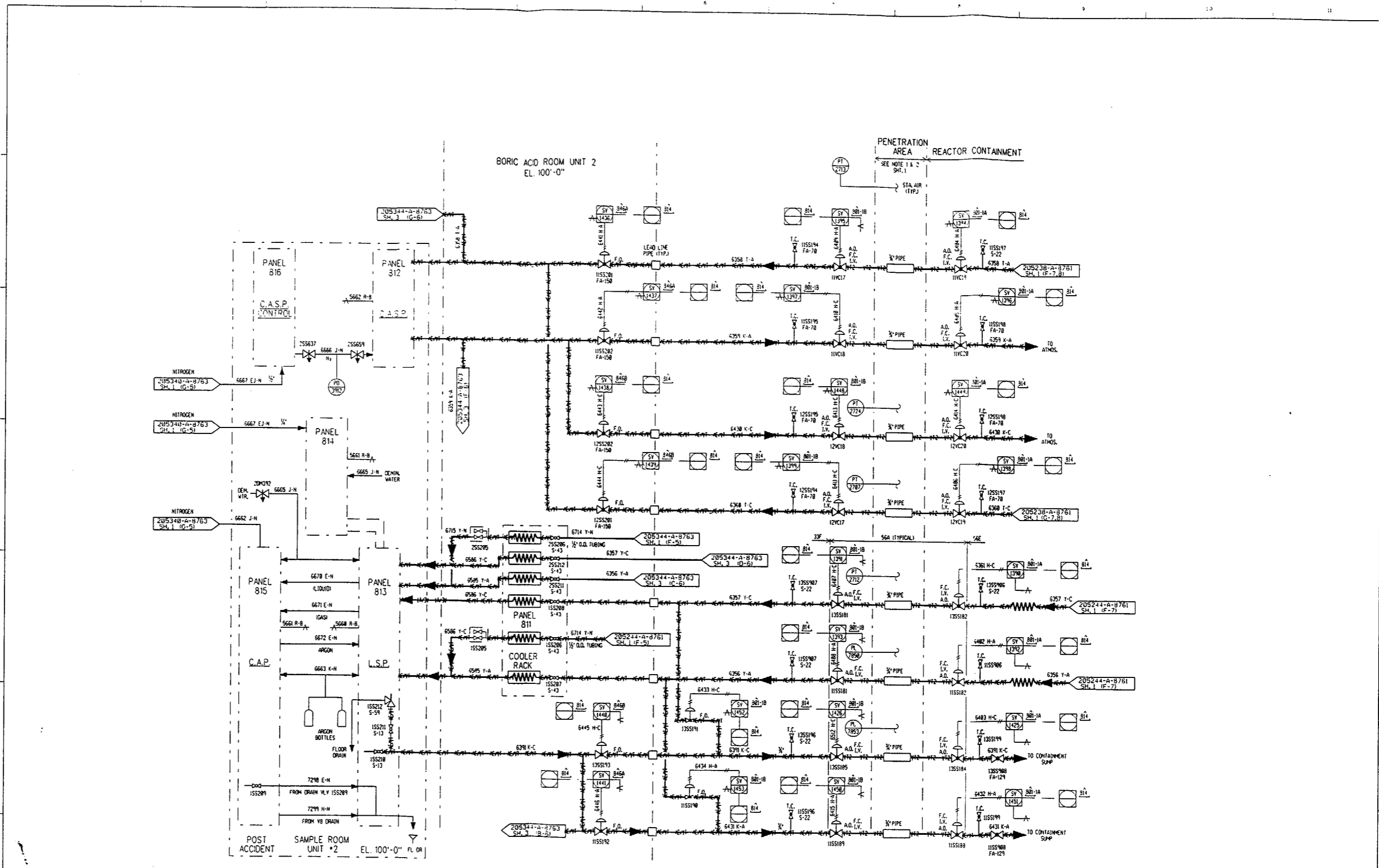
NO. 16 PRIMARY SAMPLE SINK

NO. 17 PRIMARY SAMPLE SINK

NO. 18 PRIMARY SAMPLE SINK

NO. 19 PRIMARY SAMPLE SINK

NO. 20 PRIMARY SAMPLE SINK



NOTE:  
FOR INSTRUMENTS NOT SHOWN  
ON THIS SHEET, REFER TO SH.

NOTE "A" - REV. 1  
REVISED PER ORDER NO. 8888810

NO.	DESCRIPTION	BY	DATE
1	SEE NOTE "A" - REV. 1	SD	
2	ORIGINAL ISSUE	SD	
3	REVISION	SD	

IN-SERVICE INSPECTION LEGEND NOTES

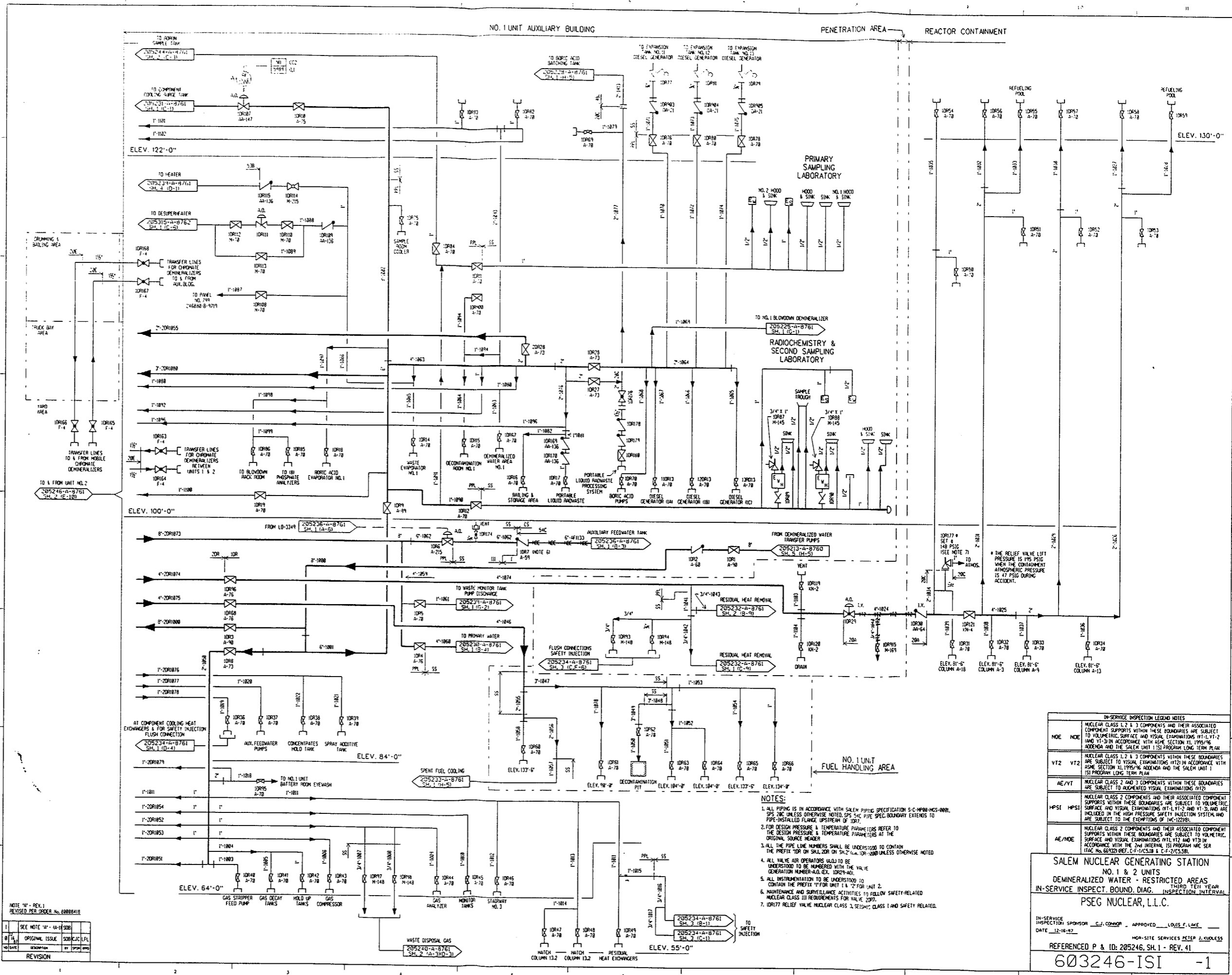
NDE	NUCLEAR CLASS 1, 2 & 3 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (VT-1, VT-2 AND VT-3) IN ACCORDANCE WITH ASME SECTION XI, 1995/98 ADDENDUM AND THE SALEM UNIT 1 ISI PROGRAM LONG TERM PLAN
VT2	NUCLEAR CLASS 1, 2 & 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL EXAMINATIONS (VT2) IN ACCORDANCE WITH ASME SECTION XI, 1995/98 ADDENDUM AND THE SALEM UNIT 1 ISI PROGRAM LONG TERM PLAN
AE/VT	NUCLEAR CLASS 2 AND 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO AUGMENTED VISUAL EXAMINATIONS (VT2)
HP/SH	NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (VT-1, VT-2 AND VT-3) AND ARE INCLUDED IN THE HIGH PRESSURE SAFETY INJECTION SYSTEM AND ARE SUBJECT TO THE EXEMPTIONS OF IAC-12218B.
AE/NDE	NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (VT1, VT2 AND VT3) IN ACCORDANCE WITH THE 2nd INTERVAL ISI PROGRAM NRC SER IAC No. SERV. REF. C-1-UCS.10 & C-2-UCS.20.

SALEM NUCLEAR GENERATING STATION  
NO. 1 UNIT  
SAMPLING  
IN-SERVICE INSPECT. BOUND. DIAG. THIRD TEN YEAR INSPECTION INTERVAL  
PSEG NUCLEAR, L.L.C.

IN-SERVICE INSPECTION SPONSOR C.J. CONNOR APPROVED LOUIS F. LIME  
DATE 12-18-87 MGR-SITE SERVICES PETER J. KUDLESS

REFERENCED P & ID: 20523, SH. 3 - REV. 33  
603244-ISI -1





NOTE: FOR VALVE MARKINGS NOT SHOWN ON THIS SHEET, REFER TO INDS.

NOTE: REV. 1  
REVISED PER ORDER NO. 68888418

NO.	DATE	DESCRIPTION	BY	APP.
1		SEE NOTE "A" - 10-18-80		
2		ORIGINAL ISSUE		
3		REVISION		

- NOTES:
1. ALL PIPING IS IN ACCORDANCE WITH SALEM PIPING SPECIFICATION S-C-1000-NCS-0001. SPS SMC UNLESS OTHERWISE NOTED. SPS SMC SPEC. BOUNDARY EXTENDS TO PIPE-INSTALLED FLANGE UPSTREAM OF 1201.
  2. FOR DESIGN PRESSURE & TEMPERATURE PARAMETERS REFER TO THE ORIGINAL SOURCE NUMBER.
  3. ALL THE PIPE LINE NUMBERS SHALL BE UNDERSTOOD TO CONTAIN THE PREFIX "10R" ON SH. 2 OR ON SH. 2 (A) UNLESS OTHERWISE NOTED.
  4. ALL VALVE AIR OPERATORS (A.O.) TO BE UNDERSTOOD TO BE NUMBERED WITH THE VALVE GENERATION NUMBER-A.O. EX. 10R29-A.O.
  5. ALL INSTRUMENTATION TO BE UNDERSTOOD TO CONTAIN THE PREFIX "1" FOR UNIT 1 & "2" FOR UNIT 2.
  6. MAINTENANCE AND SURVEILLANCE ACTIVITIES TO FOLLOW SAFETY-RELATED NUCLEAR CLASS III REQUIREMENTS FOR VALVE 2097.
  7. 10R177 RELIEF VALVE NUCLEAR CLASS 3, SEISMIC CLASS I AND SAFETY RELATED.

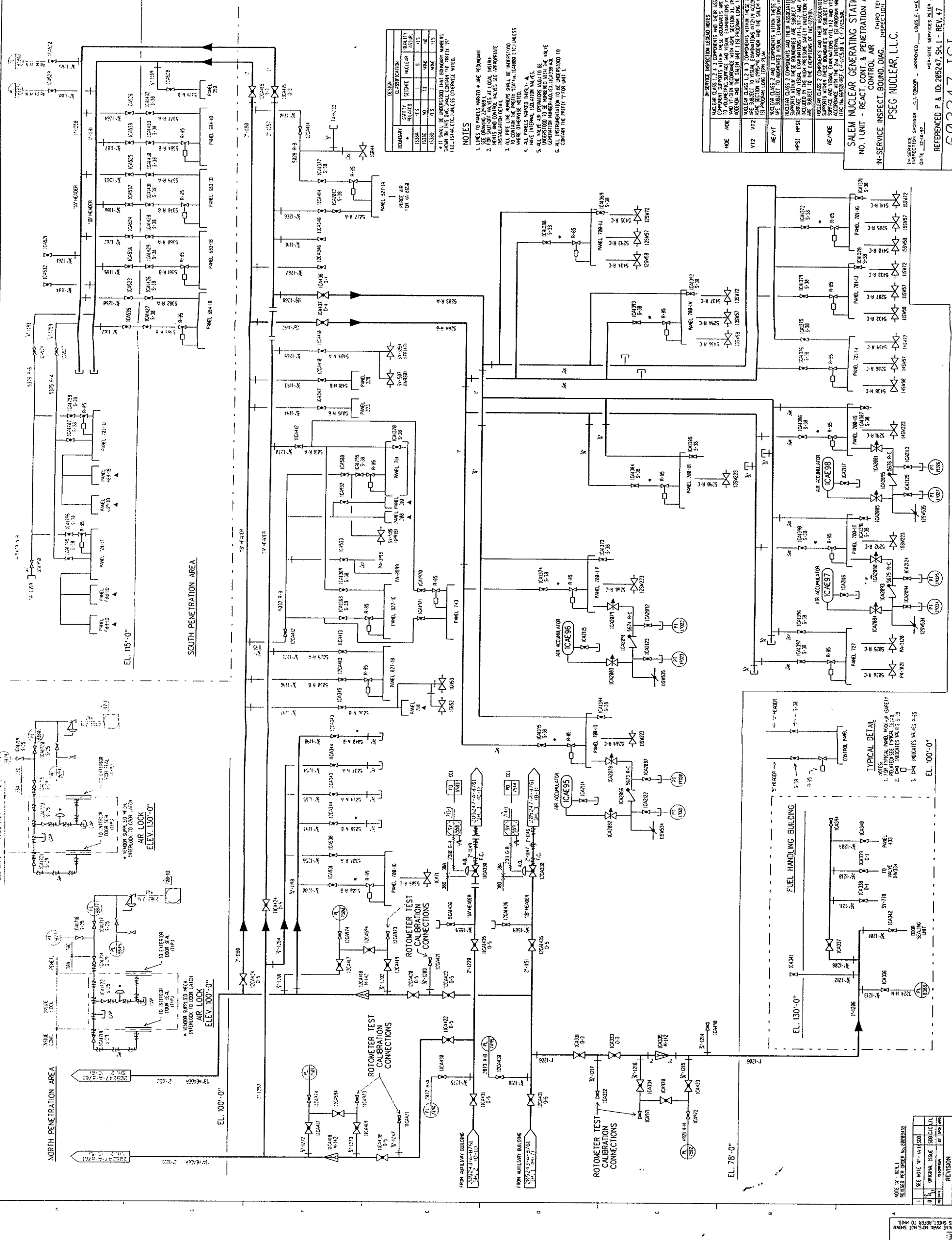
**IN-SERVICE INSPECTION LEGEND NOTES**

NOE	NOE	NUCLEAR CLASS 1, 2 & 3 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC, SURFACE AND VISUAL EXAMINATIONS (VT-1, VT-2 AND VT-3) IN ACCORDANCE WITH ASME SECTION XI, 1992/96 ADDENDA AND THE SALEM UNIT 1 ISI PROGRAM LONG TERM PLAN.
VT2	VT2	NUCLEAR CLASS 1, 2 & 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL EXAMINATIONS (VT2) IN ACCORDANCE WITH ASME SECTION XI, 1992/96 ADDENDA AND THE SALEM UNIT 1 ISI PROGRAM LONG TERM PLAN.
AE/VT		NUCLEAR CLASS 2 AND 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO ACCELERATED VISUAL EXAMINATIONS (VT2).
HPSI	HPSI	NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC, SURFACE AND VISUAL EXAMINATIONS (VT-1, VT-2 AND VT-3), AND ARE INCLUDED IN THE HIGH PRESSURE SAFETY INJECTION SYSTEM AND ARE SUBJECT TO THE EXEMPTIONS OF 10C-1220(B).
AE/NOE		NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC, SURFACE AND VISUAL EXAMINATIONS (VT-1, VT-2 AND VT-3) IN ACCORDANCE WITH THE 2nd INTERNAL ISI PROGRAM NRC SER (TAC NO. 68323) REF. E-F-1(C) SUB 4 E-F-2(C) SUB.

**SALEM NUCLEAR GENERATING STATION**  
NO. 1 & 2 UNITS  
DEMINERALIZED WATER - RESTRICTED AREAS  
IN-SERVICE INSPECT. BOUND. DIAG. (INSPECTION INTERVAL)  
PSEG NUCLEAR, L.L.C.

IN-SERVICE INSPECTION SPONSOR: C.J. CONNOR APPROVED: LOUIS F. LIME  
DATE: 12-16-87  
MCA-SITE SERVICES CENTER  
REFERENCED P & ID: 205246, SH. 1 - REV. 41

**603246-ISI -1**



BOUNDARY	CLASSIFICATION	QUALITY
1	SEISMIC	II
2	NON-SEISMIC	III
3	NON-SEISMIC	IV
4	NON-SEISMIC	V

- NOTES**
1. ALL INSTRUMENTATION SHALL BE REDUNDANT.
  2. FOR SAFTY VALVES AT LOCK INSTRUMENTATION AND CONTROL VALVES SEE APPROPRIATE DRAWINGS.
  3. ALL PIPE LINE NUMBERS SHALL BE UNDERSTOOD TO CONTAIN THE PREFIX "104" UNLESS OTHERWISE NOTED.
  4. WHERE OTHERWISE NOTED.
  5. ALL VALVE AIR OPERATORS HAD TO BE UNDERSTOOD TO BE NUMBERED WITH THE VALVE IDENTIFICATION NUMBER.
  6. ALL INSTRUMENTATION TO BE UNDERSTOOD TO CONTAIN THE PREFIX "104" UNLESS OTHERWISE NOTED.

**INSERVICE INSPECTION LOGBOOK NOTES**

INSERVICE INSPECTION LOGBOOK NOTES  
 INSERVICE INSPECTION LOGBOOK NOTES  
 INSERVICE INSPECTION LOGBOOK NOTES

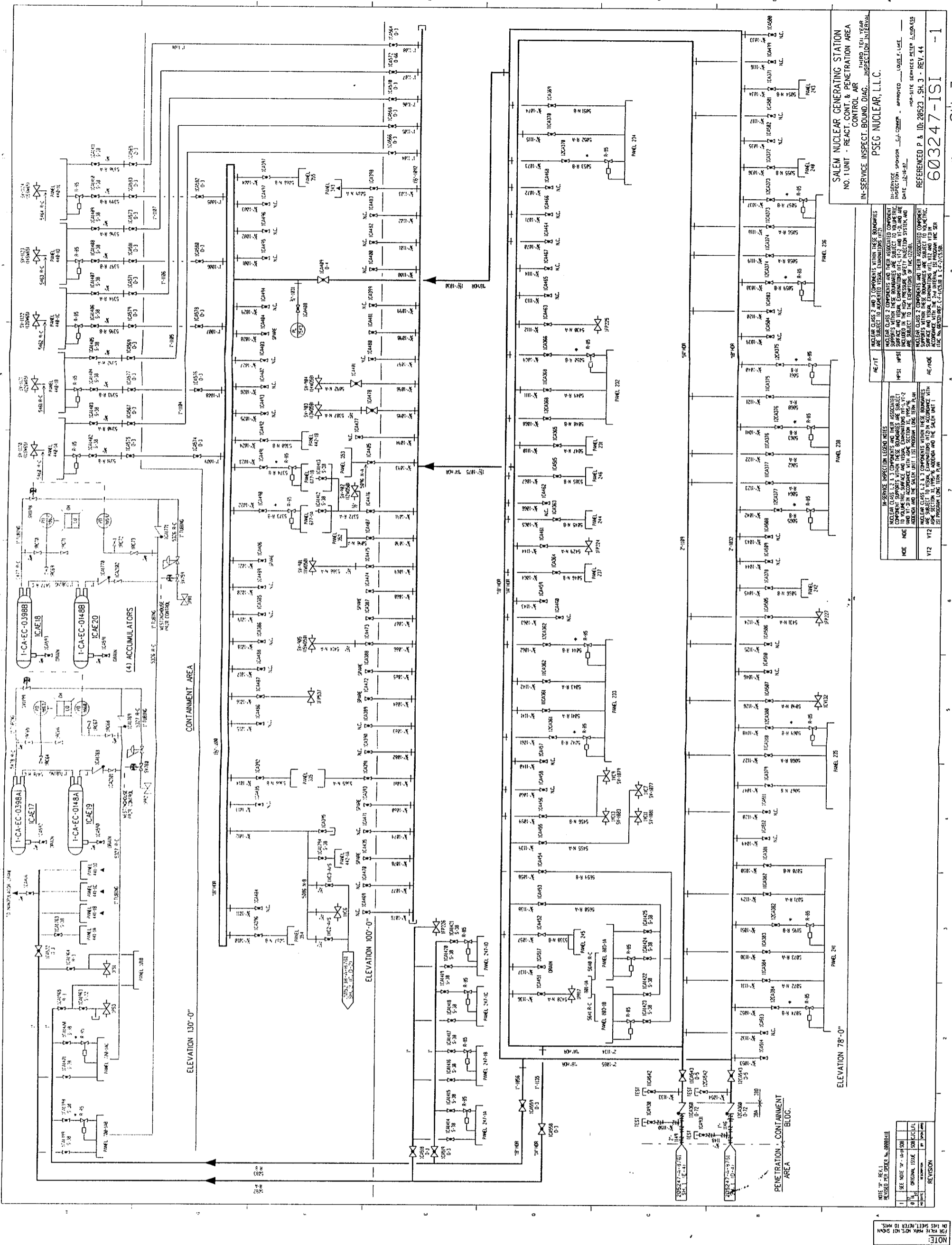
**SALEM NUCLEAR GENERATING STATION**  
 NO. 1 UNIT - REACT. CONT. & PENETRATION AREA  
 IN-SERVICE INSPECT. BOUND. DIAG. - INSERVICE INTERNAL  
 PSEG NUCLEAR, L.L.C.

INSERVICE INSPECTION LOGBOOK NOTES  
 DATE: 12-14-87  
 APPROVED: LOUIS F. LACE  
 HIGH-SITE SERVICES DEPT. ALLOWANCES  
 REFERENCED P & ID: 205247, SH. 1 - REV. 47

**REVISION**

NO.	DATE	DESCRIPTION
1	01/11/88	ISSUED FOR CONSTRUCTION
2	01/11/88	ISSUED FOR CONSTRUCTION

NOTE: 1. SEE NOTE W-101-100  
 2. ORIGINAL ISSUE ISOB/CAL/D/L  
 3. THIS SHEET IS PART OF A SET  
 4. THIS SHEET IS PART OF A SET



SALEM NUCLEAR GENERATING STATION  
 NO. 1 UNIT - REACT. CONT. & PENETRATION AREA  
 CONTROL AIR  
 IN-SERVICE INSPECT. BOUND. DIAG. INSPECTION INTERVAL  
 PSEG NUCLEAR, L.L.C.

REVISION	DATE	BY	CHKD.	DESCRIPTION
1	11/14/89	LSB	LFL	ISSUED FOR ORDER
2	05/14/90	LSB	LFL	REVISED FOR ORDER
3	05/14/90	LSB	LFL	REVISED FOR ORDER
4	05/14/90	LSB	LFL	REVISED FOR ORDER
5	05/14/90	LSB	LFL	REVISED FOR ORDER
6	05/14/90	LSB	LFL	REVISED FOR ORDER
7	05/14/90	LSB	LFL	REVISED FOR ORDER
8	05/14/90	LSB	LFL	REVISED FOR ORDER
9	05/14/90	LSB	LFL	REVISED FOR ORDER
10	05/14/90	LSB	LFL	REVISED FOR ORDER
11	05/14/90	LSB	LFL	REVISED FOR ORDER
12	05/14/90	LSB	LFL	REVISED FOR ORDER
13	05/14/90	LSB	LFL	REVISED FOR ORDER
14	05/14/90	LSB	LFL	REVISED FOR ORDER
15	05/14/90	LSB	LFL	REVISED FOR ORDER
16	05/14/90	LSB	LFL	REVISED FOR ORDER
17	05/14/90	LSB	LFL	REVISED FOR ORDER
18	05/14/90	LSB	LFL	REVISED FOR ORDER
19	05/14/90	LSB	LFL	REVISED FOR ORDER
20	05/14/90	LSB	LFL	REVISED FOR ORDER

INSERVICE INSPECTION LOGS ARE  
 SUBJECT TO ADAPTED VISUAL EXAMINATIONS (VT)  
 NUCLEAR CLASS 2 AND 3 COMPONENTS WITHIN THESE BOUNDARIES  
 ARE SUBJECT TO ADAPTED VISUAL EXAMINATIONS (VT)  
 NUCLEAR CLASS 2 AND 3 COMPONENTS WITHIN THESE BOUNDARIES  
 ARE SUBJECT TO ADAPTED VISUAL EXAMINATIONS (VT)  
 NUCLEAR CLASS 2 AND 3 COMPONENTS WITHIN THESE BOUNDARIES  
 ARE SUBJECT TO ADAPTED VISUAL EXAMINATIONS (VT)

NOE	NOE	NOE	NOE	NOE	NOE	NOE	NOE	NOE	NOE
IC4001	IC4002	IC4003	IC4004	IC4005	IC4006	IC4007	IC4008	IC4009	IC4010
IC4011	IC4012	IC4013	IC4014	IC4015	IC4016	IC4017	IC4018	IC4019	IC4020
IC4021	IC4022	IC4023	IC4024	IC4025	IC4026	IC4027	IC4028	IC4029	IC4030
IC4031	IC4032	IC4033	IC4034	IC4035	IC4036	IC4037	IC4038	IC4039	IC4040
IC4041	IC4042	IC4043	IC4044	IC4045	IC4046	IC4047	IC4048	IC4049	IC4050
IC4051	IC4052	IC4053	IC4054	IC4055	IC4056	IC4057	IC4058	IC4059	IC4060
IC4061	IC4062	IC4063	IC4064	IC4065	IC4066	IC4067	IC4068	IC4069	IC4070
IC4071	IC4072	IC4073	IC4074	IC4075	IC4076	IC4077	IC4078	IC4079	IC4080
IC4081	IC4082	IC4083	IC4084	IC4085	IC4086	IC4087	IC4088	IC4089	IC4090
IC4091	IC4092	IC4093	IC4094	IC4095	IC4096	IC4097	IC4098	IC4099	IC4100

NOTE: THIS SHEET REFERS TO SHEETS  
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 603247-ISI -50

NOE	NOE	NOE	NOE	NOE	NOE	NOE	NOE	NOE	NOE
IC4101	IC4102	IC4103	IC4104	IC4105	IC4106	IC4107	IC4108	IC4109	IC4110
IC4111	IC4112	IC4113	IC4114	IC4115	IC4116	IC4117	IC4118	IC4119	IC4120
IC4121	IC4122	IC4123	IC4124	IC4125	IC4126	IC4127	IC4128	IC4129	IC4130
IC4131	IC4132	IC4133	IC4134	IC4135	IC4136	IC4137	IC4138	IC4139	IC4140
IC4141	IC4142	IC4143	IC4144	IC4145	IC4146	IC4147	IC4148	IC4149	IC4150
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IC4161	IC4162	IC4163	IC4164	IC4165	IC4166	IC4167	IC4168	IC4169	IC4170
IC4171	IC4172	IC4173	IC4174	IC4175	IC4176	IC4177	IC4178	IC4179	IC4180
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IC4191	IC4192	IC4193	IC4194	IC4195	IC4196	IC4197	IC4198	IC4199	IC4200

INSERVICE INSPECTION LOGS ARE  
 SUBJECT TO ADAPTED VISUAL EXAMINATIONS (VT)  
 NUCLEAR CLASS 2 AND 3 COMPONENTS WITHIN THESE BOUNDARIES  
 ARE SUBJECT TO ADAPTED VISUAL EXAMINATIONS (VT)  
 NUCLEAR CLASS 2 AND 3 COMPONENTS WITHIN THESE BOUNDARIES  
 ARE SUBJECT TO ADAPTED VISUAL EXAMINATIONS (VT)  
 NUCLEAR CLASS 2 AND 3 COMPONENTS WITHIN THESE BOUNDARIES  
 ARE SUBJECT TO ADAPTED VISUAL EXAMINATIONS (VT)

SALEM NUCLEAR GENERATING STATION  
 NO. 1 UNIT - REACT. CONT. & PENETRATION AREA  
 CONTROL AIR  
 IN-SERVICE INSPECT. BOUND. DIAG. INSPECTION INTERVAL  
 PSEG NUCLEAR, L.L.C.