

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.

| Appendix D Tab No. | Description |
|-------------------------------|---|
| 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:

| Surface | |
|---------|---------------------------|
| MT | Magnetic Particle Testing |
| PT | Dye Penetrant Testing |

| VOLUMETRIC | |
|------------|-------------------------------|
| M-UT | Mechanized Ultrasonic Testing |
| UT | Ultrasonic Testing |
| RT | Radiography Testing |

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| VISUAL | |
|---------------|---|
| VT-1 | Visual Examination (Surface Conditions) |
| VT-2 | Visual Examination (Leak Testing) |
| VISUAL | |
| 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:

| WINISI Code | Code Description |
|--------------------|---|
| 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 |

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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:

| | | | |
|-----|-----|-------|---------------------------------------|
| (A) | (B) | (C) | |
| 1 | RPV | 2024A | |
| | | | Unique Number (Westinghouse Assigned) |
| | | | Vessel Name |
| | | | Unit # |

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.

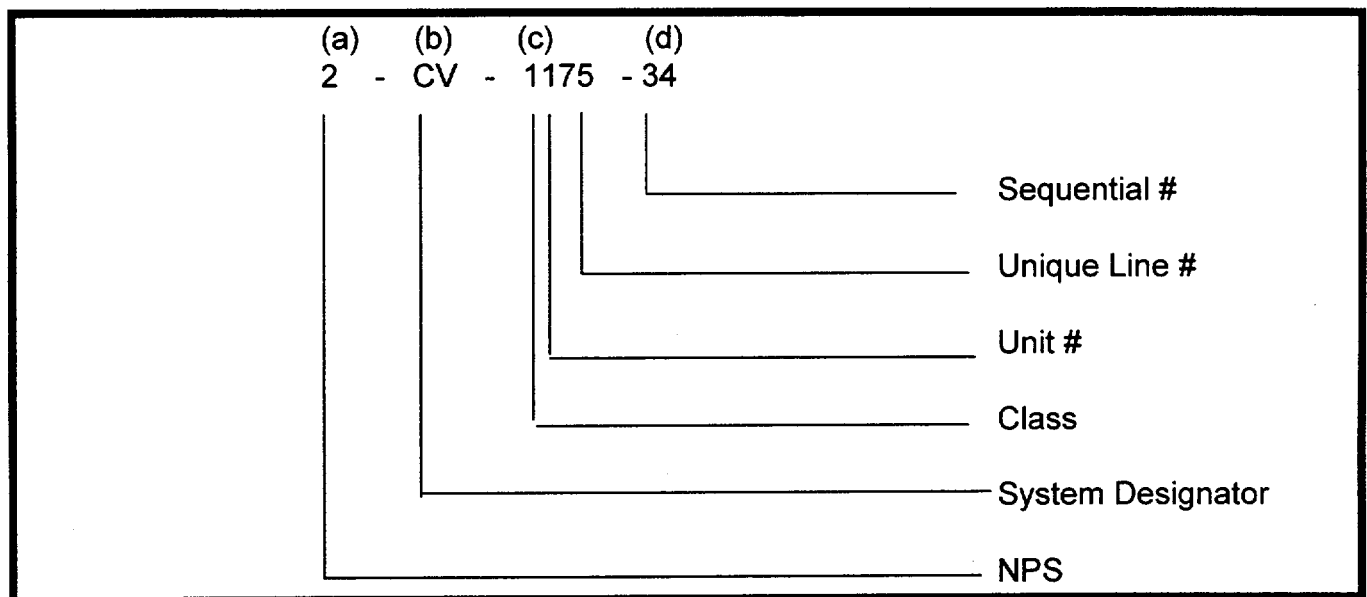
18.0 ISI 10 YEAR PROGRAM AND SCHEDULES

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.

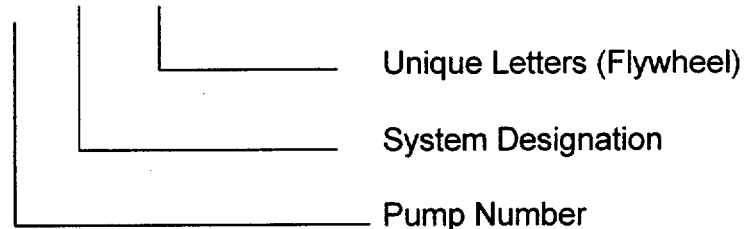
- (d) The fourth character set is a sequential number that identifies a unique component under the piping line number. The following is a description for the piping numbering scheme.

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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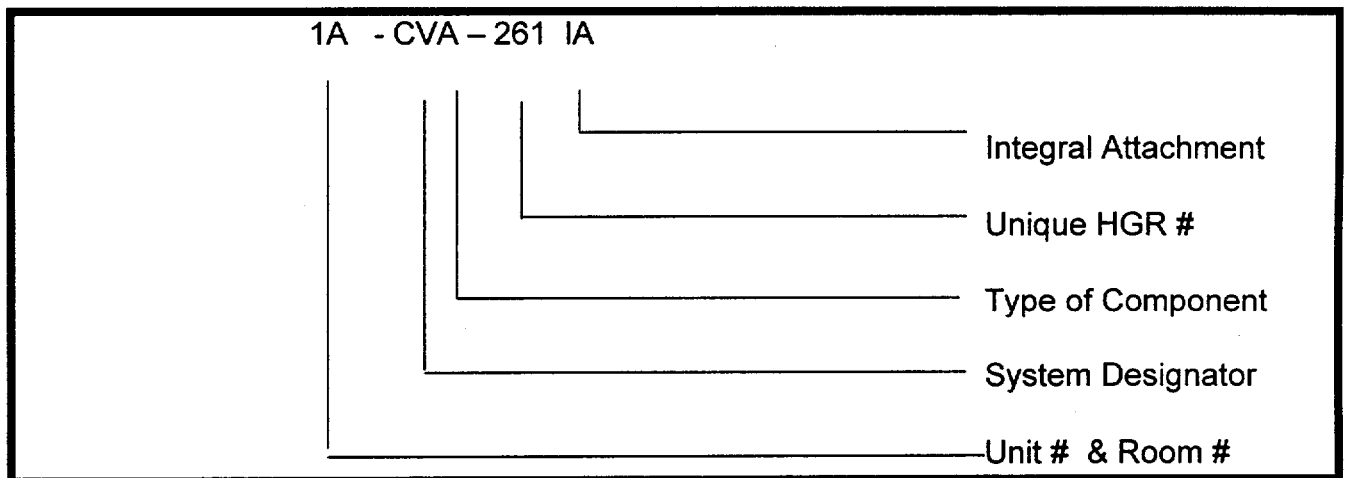
4. Support Components

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.

| | | | |
|-----------|-------------------|----------|-------------------|
| A | Anchor | S | Support |
| G | Guide | H | Hanger |
| IA | Welded Attachment | R | 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:

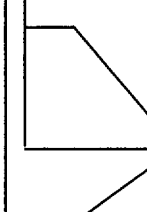
The supports depicted on the ISI sketches/ isometrics are to be used for information only as the location, type of support and existences have not been verified against as-built configurations.

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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> | | | | | | | | | | | | |
| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. CATGY ITEM NO | XI NDE METH | -----OUTAGE----- | | | | | | | | |
| | | | | 1 2 3 | 1 2 3 4 | 1 2 3 | INSTRUCTIONS **CALIBRATION BLOCK** | | | | | |
| | | | |  <p>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&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 ISI 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.

18.0 ISI 10 YEAR PROGRAM AND SCHEDULES

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.

18.0 ISI 10 YEAR PROGRAM AND SCHEDULES

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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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-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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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 |
|---------------------------------|---|----------------------|-------------|------|-------|----------------------|--------------------|------------------------|-----------|---|---|
| 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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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 |
|---------------------------------|---|----------------------|-------------|------|-------|----------------------|--------------------|------------------------|-----------|--|---|
| 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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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 |
|---------------------------------|---|----------------------|-------------|------|-------|----------------------|--------------------|------------------------|-----------|--|---|
| 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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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 |
|---------------------------------|---|----------------------|-------------|------|-------|----------------------|--------------------|------------------------|-----------|---|---|
| 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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| 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-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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| 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-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 | | SUR/VOL | | 04/11/2001 |
| 1CV-1268 | N 3-CV-2168 | B-069 | 205228-02 | 3 | 2 | 48-A | NO | | SUR/VOL | | 04/11/2001 |
| 1CV-1269 | N 3-CV-2169 | B-068 | 205228-02 | 3 | 2 | 48-A | NO | | SUR/VOL | | 04/11/2001 |
| 1CV-1285 | N 3-CV-2185 | B-071,072 | 205228-02 | 3 | 2 | 48-A | NO | | SUR/VOL | | 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 |

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|---------------------------------|---|----------------------|-----------------|------|-------|----------------------|--------------------|------------------------|-----------|--|---|
| 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 |

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|---------------------------------|---|----------------------|--------------|------|-------|----------------------|--------------------|------------------------|-----------|-----------------------------------|---|
| 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 |

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|---------------------------------|---|----------------------|--------------|------|-------|----------------------|--------------------|------------------------|-----------|----------|---|
| 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 |

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|---------------------------------|---|----------------------|--------------|------|-------|----------------------|--------------------|------------------------|-----------|----------|---|
| 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 |

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|---------------------------------|---|----------------------|--------------|------|-------|----------------------|--------------------|------------------------|-----------|----------|---|
| 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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|---------------------------------|---|----------------------|--------------|------|-------|----------------------|--------------------|------------------------|-----------|----------|---|
| 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 |

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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 |
|---------------------------------|---|----------------------|--------------|------|-------|----------------------|--------------------|------------------------|-----------|--------------------------------------|---|
| 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 |

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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 |
|---------------------------------|---|----------------------|-------------|------|-------|----------------------|--------------------|------------------------|-----------|--------------------------------------|---|
| 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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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 |
|---------------------------------|---|----------------------|-------------|------|-------|----------------------|--------------------|------------------------|-----------|--|---|
| 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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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 |
|---------------------------------|---|----------------------|-----------------|------|-------|----------------------|--------------------|------------------------|-----------|----------|---|
| 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 | | SUR/VOL | | 03/19/2001 |
| 1RC-1024 | 10-SJ-1111 | A-057 | 205234-04 | 10 | 1 | 44-A | NO | | SUR/VOL | | 03/19/2001 |
| 1RC-1029 | 27.5-RC-1120 | A-033 | 205201-03 | 27.5 | 1 | 44-A | NO | | SUR/VOL | | 03/30/2001 |
| 1RC-1031 | 10-SJ-1121 | A-056 | 205201-03 | 10 | 1 | 44-A | NO | | SUR/VOL | | 03/19/2001 |
| 1RC-1031 | 10-SJ-1121 | A-056 | 205234-04 | 10 | 1 | 44-A | NO | | SUR/VOL | | 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 | | SUR/VOL | | 03/30/2001 |
| 1RC-1036 | 6-SJ-1121 | A-069 | 205201-03 | 6 | 1 | 44-A | NO | | SUR/VOL | | 03/15/2001 |
| 1RC-1036 | 6-SJ-1121 | A-069 | 205234-03 | 6 | 1 | 44-A | NO | | SUR/VOL | | 03/15/2001 |

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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 |
|---------------------------------|---|----------------------|-------------|------|-------|----------------------|--------------------|------------------------|-----------|---|---|
| 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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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 |
|---------------------------------|---|----------------------|-----------------|------|-------|----------------------|--------------------|------------------------|-----------|----------|---|
| 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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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 |
|---------------------------------|---|----------------------|-----------------|------|-------|----------------------|--------------------|------------------------|-----------|------------------------|---|
| 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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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 |
|---------------------------------|---|----------------------|-----------------|------|-------|----------------------|--------------------|------------------------|-----------|--------------------------------------|---|
| 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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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 |
|---------------------------------|---|----------------------|-----------------|------|-------|----------------------|--------------------|------------------------|-----------|--------------------------------------|---|
| 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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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 |
|---------------------------------|---|----------------------|-------------|------|-------|----------------------|--------------------|------------------------|-----------|---|---|
| 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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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 |
|---------------------------------|---|----------------------|-----------------|------|-------|----------------------|--------------------|------------------------|-----------|--|---|
| 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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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 |
|---------------------------------|---|----------------------|-----------------|------|-------|----------------------|--------------------|------------------------|-----------|---|---|
| 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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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 |
|---------------------------------|---|----------------------|-----------------|------|-------|----------------------|--------------------|------------------------|-----------|---|---|
| 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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| 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 |
|---------------------------------|---|----------------------|---------------|------|-------|----------------------|--------------------|------------------------|-----------|---|---|
| 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-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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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-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 |

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-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 | | |

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-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 |

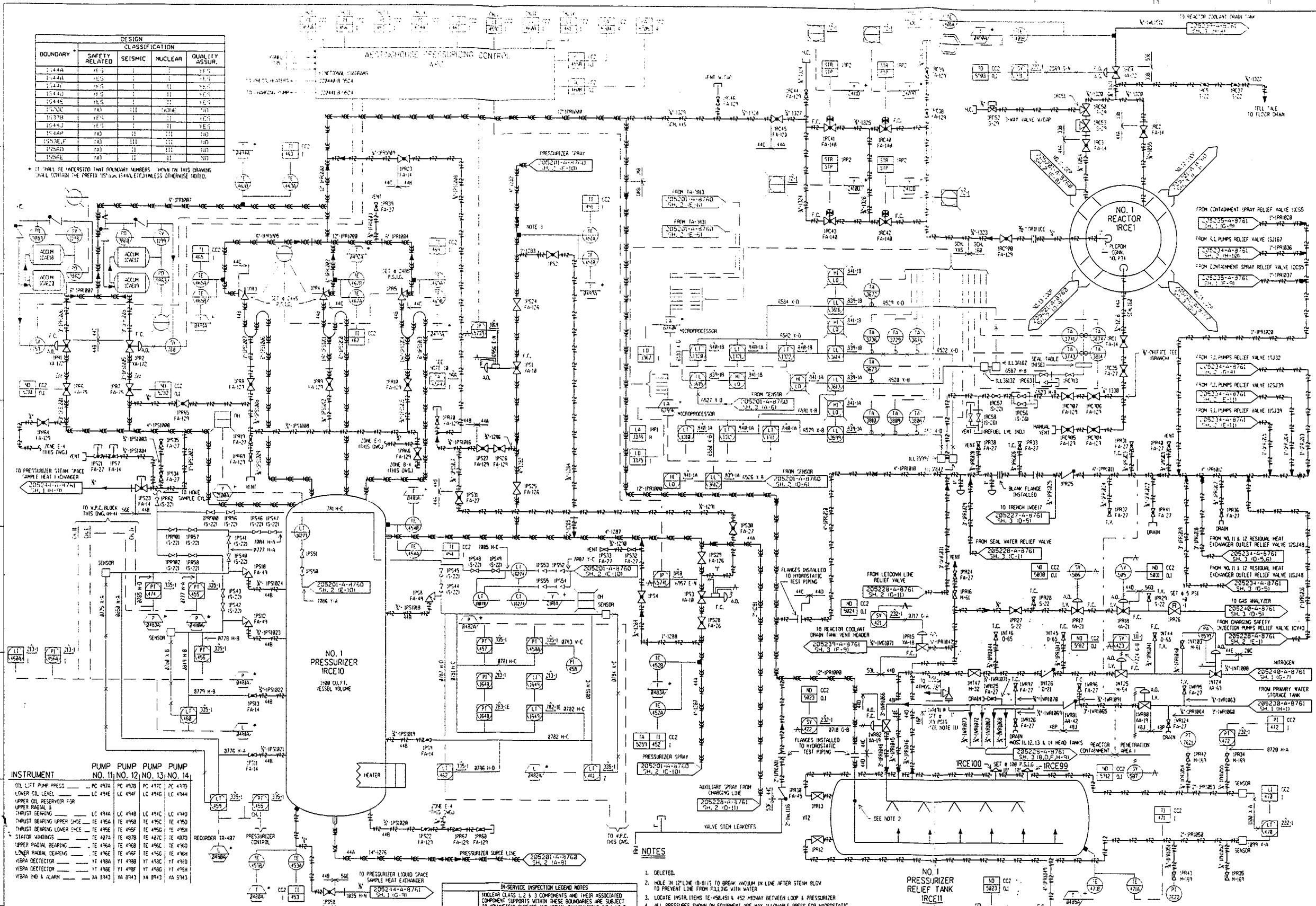
APPENDIX B

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 |

| DESIGN CLASSIFICATION | | | | |
|-----------------------|----------------|---------|---------|----------------|
| BOUNDARY | SAFETY RELATED | SEISMIC | NUCLEAR | DUALITY ASSUR. |
| 154-44 | YES | II | II | YES |
| 154-45 | YES | II | II | YES |
| 154-46 | YES | II | II | YES |
| 154-47 | YES | II | II | YES |
| 154-48 | YES | II | II | YES |
| 154-49 | YES | II | II | YES |
| 154-50 | YES | II | II | YES |
| 154-51 | YES | II | II | YES |
| 154-52 | YES | II | II | YES |
| 154-53 | YES | II | II | YES |
| 154-54 | YES | II | II | YES |
| 154-55 | YES | II | II | YES |
| 154-56 | YES | II | II | YES |
| 154-57 | YES | II | II | YES |
| 154-58 | YES | II | II | YES |
| 154-59 | YES | II | II | YES |
| 154-60 | YES | II | II | YES |

* IT SHALL BE UNDERSTOOD THAT BOUNDARY NUMBERS SHOWN ON THIS DRAWING SHALL CONTAIN THE PREFIX "154-44" UNLESS OTHERWISE NOTED.



| INSTRUMENT | | | |
|---|-------------|-------------|-------------|
| PUMP NO. 11 | PUMP NO. 12 | PUMP NO. 13 | PUMP NO. 14 |
| OIL LIFT PUMP PRESS. PC 497A | PC 497B | PC 497C | PC 497D |
| LOWER OIL LEVEL LC 494A | LC 494B | LC 494C | LC 494D |
| UPPER OIL LEVEL FOR THROUST BEARING LC 494A | LC 494B | LC 494C | LC 494D |
| THROUST BEARING UPPER SHOE TE 495A | TE 495B | TE 495C | TE 495D |
| THROUST BEARING LOWER SHOE TE 496A | TE 496B | TE 496C | TE 496D |
| STATOR WINDINGS TE 497A | TE 497B | TE 497C | TE 497D |
| UPPER PADIAL BEARING TE 498A | TE 498B | TE 498C | TE 498D |
| LOWER PADIAL BEARING TE 499A | TE 499B | TE 499C | TE 499D |
| VIBRA DETECTOR VI 490A | VI 490B | VI 490C | VI 490D |
| VIBRA DETECTOR VI 491A | VI 491B | VI 491C | VI 491D |
| VIBRA DETECTOR VI 492A | VI 492B | VI 492C | VI 492D |
| VIBRA DETECTOR VI 493A | VI 493B | VI 493C | VI 493D |

| REVISION | | | |
|----------|--------------------|-----------|-----------|
| 1 | SEE NOTE 10-14-100 | 10-14-100 | 10-14-100 |
| 2 | ORIGINAL ISSUE | 10-14-100 | 10-14-100 |
| 3 | REVISION | 10-14-100 | 10-14-100 |

| IN-SERVICE INSPECTION LEGEND NOTES | |
|------------------------------------|--------|
| NDE | NDE |
| VT | VT |
| AE/VT | AE/VT |
| WPSI | WPSI |
| AE/NDE | AE/NDE |

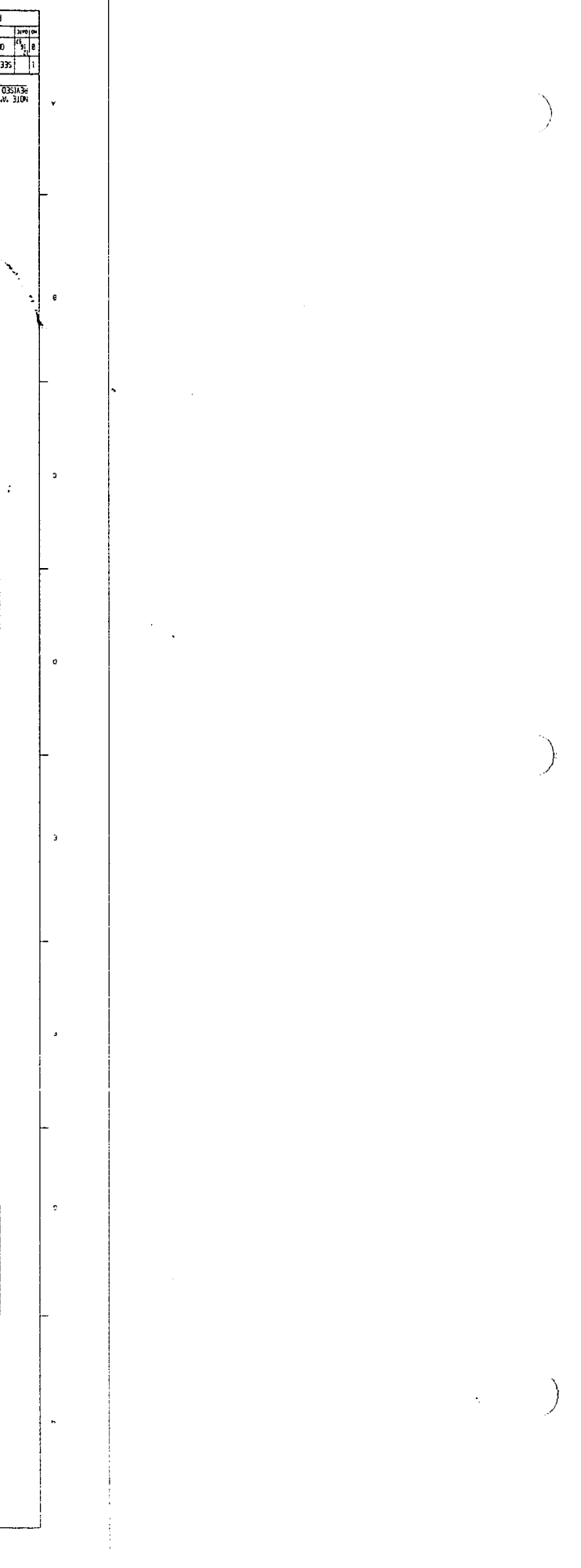
1. DELETED.
2. HOLE IN 12" LINE 10-11 IS TO BE WELDED IN LINE AFTER STEAM BLOW TO PREVENT LINE FROM FILLING WITH WATER.
3. LOCATE INSTALMENTS TE-494A & 492 MIDWAY BETWEEN LOOP & PRESSURIZER.
4. ALL PRESSURES SHOWN ON EQUIPMENT ARE HALF ALLOWABLE PRESS. FOR HYDROSTATIC TESTING PURPOSES ONLY. HYDROSTATIC PRESS. & TEMP. PARAMETERS ARE TO BE AS DESIGNATED ON FIELD DIRECTIVE S-C-4000-001-001.
5. FOR DESIGN PRESS. & TEMP. PARAMETERS REFER TO THE DESIGN PRESS. & TEMP. PARAMETERS AT THE ORIGINAL SOURCE HEADER.
6. EED DENOTES WITHOUT THE RUPTURE DISC.
7. ALL LINE NUMBERS SHALL BE UNDERSTOOD TO CONTAIN THE PREFIX "154-44" UNLESS OTHERWISE NOTED.
8. ALL VALVE AIR OPERATORS (A.O.) TO BE UNDERSTOOD TO BE NUMBERED WITH THE VALVE GENERATION NUMBER-A.O. EX. 100-100.
9. ALL INSTRUMENTATION TO BE UNDERSTOOD TO CONTAIN THE PREFIX "154-44" FOR UNIT 1.
10. TEMPERATURE INDICATOR (T-494) IS ABANDONED IN PLACE.
11. WHEN RELIEF VALVE CATEGORY IS NUCLEAR CLASS II, SEISMIC CLASS I AND SAFETY RELATED.

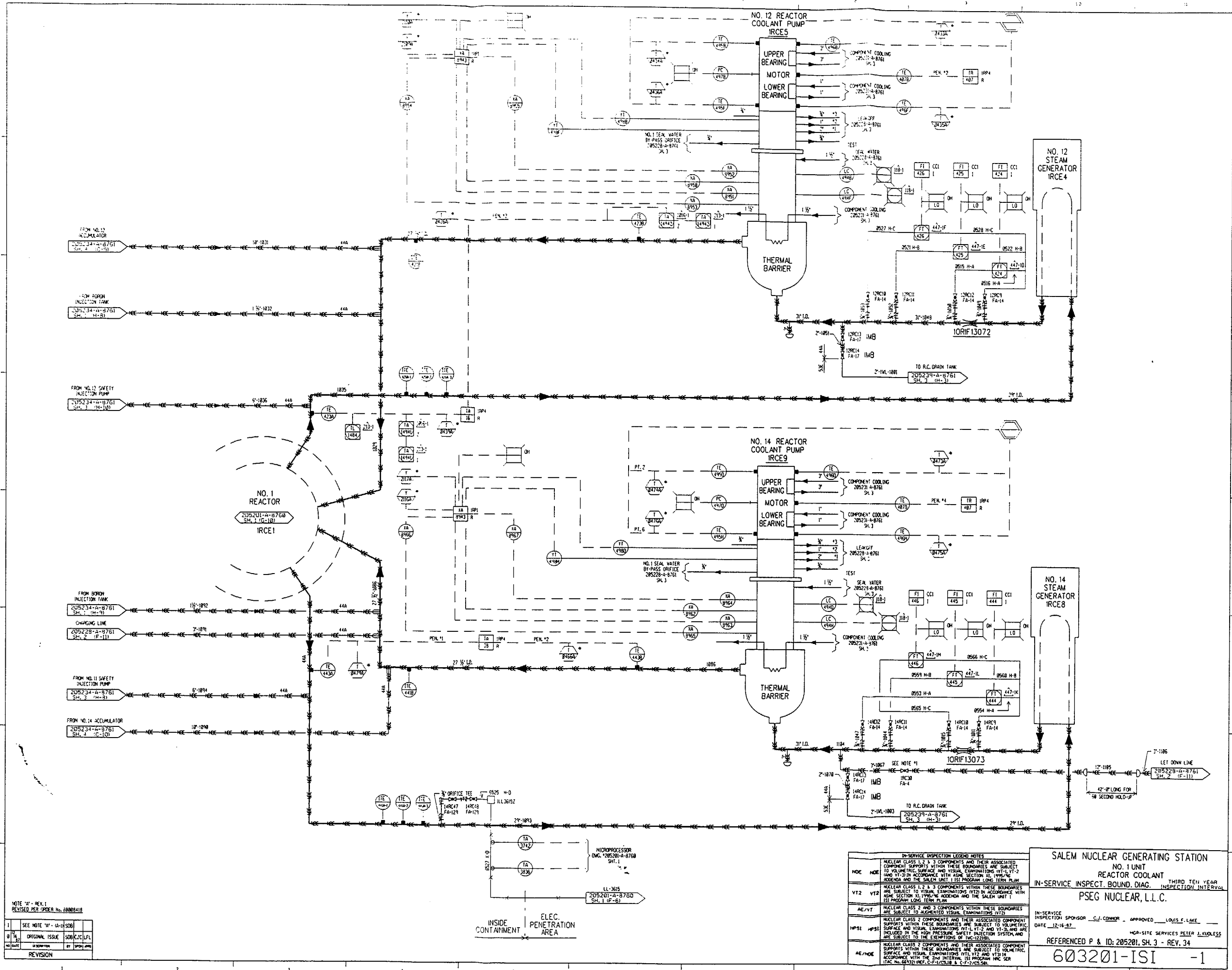
NO. 1 PRESSURIZER RELIEF TANK
IRCE11
MXATP- 150 P.S.I.G.
MNATT- 100° F.
1200 P.S.I.
RELIEF VALVE
REACTOR COOLANT DRAIN PUMPS
154-44-100-100

SALEM NUCLEAR GENERATING STATION
NO. 1 UNIT
REACTOR COOLANT
IN-SERVICE INSPECT. BOUND. DIAG. THIRDP TEN YEAR
PSEG NUCLEAR, L.L.C.
IN-SERVICE SPONSOR: C.J. CONNOR, APPROVED: LOUIS F. LANE
DATE: 12-16-87
NCA-SITE SERVICES: PETER J. WOODS
REFERENCED P & ID: 205201-SH.1-REV. 57
603201-ISI-1
SH.1 of 3"

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| NOE | NOE CLASS 1.1.1 COMPONENTS WITHIN THE REACTOR CONTAINMENT ARE SUBJECT TO INSPECTION WITHIN THE REACTOR CONTAINMENT. |
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| VIZ | NOE CLASS 1.1.1 COMPONENTS WITHIN THE REACTOR CONTAINMENT ARE SUBJECT TO INSPECTION WITHIN THE REACTOR CONTAINMENT. |
| ME/NT | NOE CLASS 1.1.1 COMPONENTS WITHIN THE REACTOR CONTAINMENT ARE SUBJECT TO INSPECTION WITHIN THE REACTOR CONTAINMENT. |
| HPSI | NOE CLASS 1.1.1 COMPONENTS WITHIN THE REACTOR CONTAINMENT ARE SUBJECT TO INSPECTION WITHIN THE REACTOR CONTAINMENT. |
| AE/NOE | NOE CLASS 1.1.1 COMPONENTS WITHIN THE REACTOR CONTAINMENT ARE SUBJECT TO INSPECTION WITHIN THE REACTOR CONTAINMENT. |

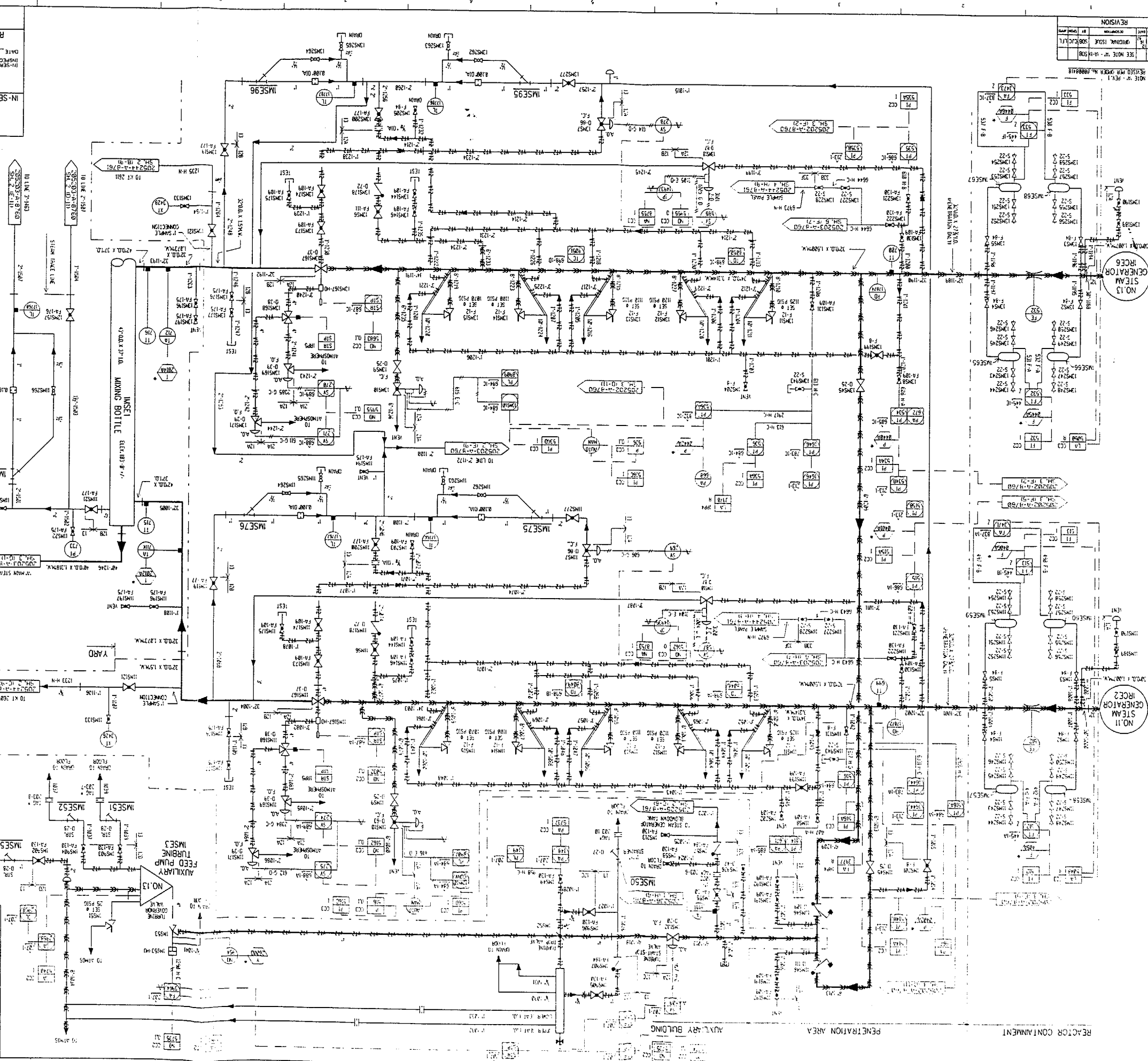
| NOE | NOE CLASS 1.1.1 COMPONENTS WITHIN THE REACTOR CONTAINMENT ARE SUBJECT TO INSPECTION WITHIN THE REACTOR CONTAINMENT. |
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| VIZ | NOE CLASS 1.1.1 COMPONENTS WITHIN THE REACTOR CONTAINMENT ARE SUBJECT TO INSPECTION WITHIN THE REACTOR CONTAINMENT. |
| ME/NT | NOE CLASS 1.1.1 COMPONENTS WITHIN THE REACTOR CONTAINMENT ARE SUBJECT TO INSPECTION WITHIN THE REACTOR CONTAINMENT. |
| HPSI | NOE CLASS 1.1.1 COMPONENTS WITHIN THE REACTOR CONTAINMENT ARE SUBJECT TO INSPECTION WITHIN THE REACTOR CONTAINMENT. |
| AE/NOE | NOE CLASS 1.1.1 COMPONENTS WITHIN THE REACTOR CONTAINMENT ARE SUBJECT TO INSPECTION WITHIN THE REACTOR CONTAINMENT. |

| DESIGN CLASSIFICATION | NOE | VIZ | ME/NT | HPSI | AE/NOE |
|-----------------------|---|-----|-------|------|--------|
| NOE | NOE CLASS 1.1.1 COMPONENTS WITHIN THE REACTOR CONTAINMENT ARE SUBJECT TO INSPECTION WITHIN THE REACTOR CONTAINMENT. | NO | NO | NO | NO |
| VIZ | NOE CLASS 1.1.1 COMPONENTS WITHIN THE REACTOR CONTAINMENT ARE SUBJECT TO INSPECTION WITHIN THE REACTOR CONTAINMENT. | NO | NO | NO | NO |
| ME/NT | NOE CLASS 1.1.1 COMPONENTS WITHIN THE REACTOR CONTAINMENT ARE SUBJECT TO INSPECTION WITHIN THE REACTOR CONTAINMENT. | NO | NO | NO | NO |
| HPSI | NOE CLASS 1.1.1 COMPONENTS WITHIN THE REACTOR CONTAINMENT ARE SUBJECT TO INSPECTION WITHIN THE REACTOR CONTAINMENT. | NO | NO | NO | NO |
| AE/NOE | NOE CLASS 1.1.1 COMPONENTS WITHIN THE REACTOR CONTAINMENT ARE SUBJECT TO INSPECTION WITHIN THE REACTOR CONTAINMENT. | NO | NO | NO | NO |

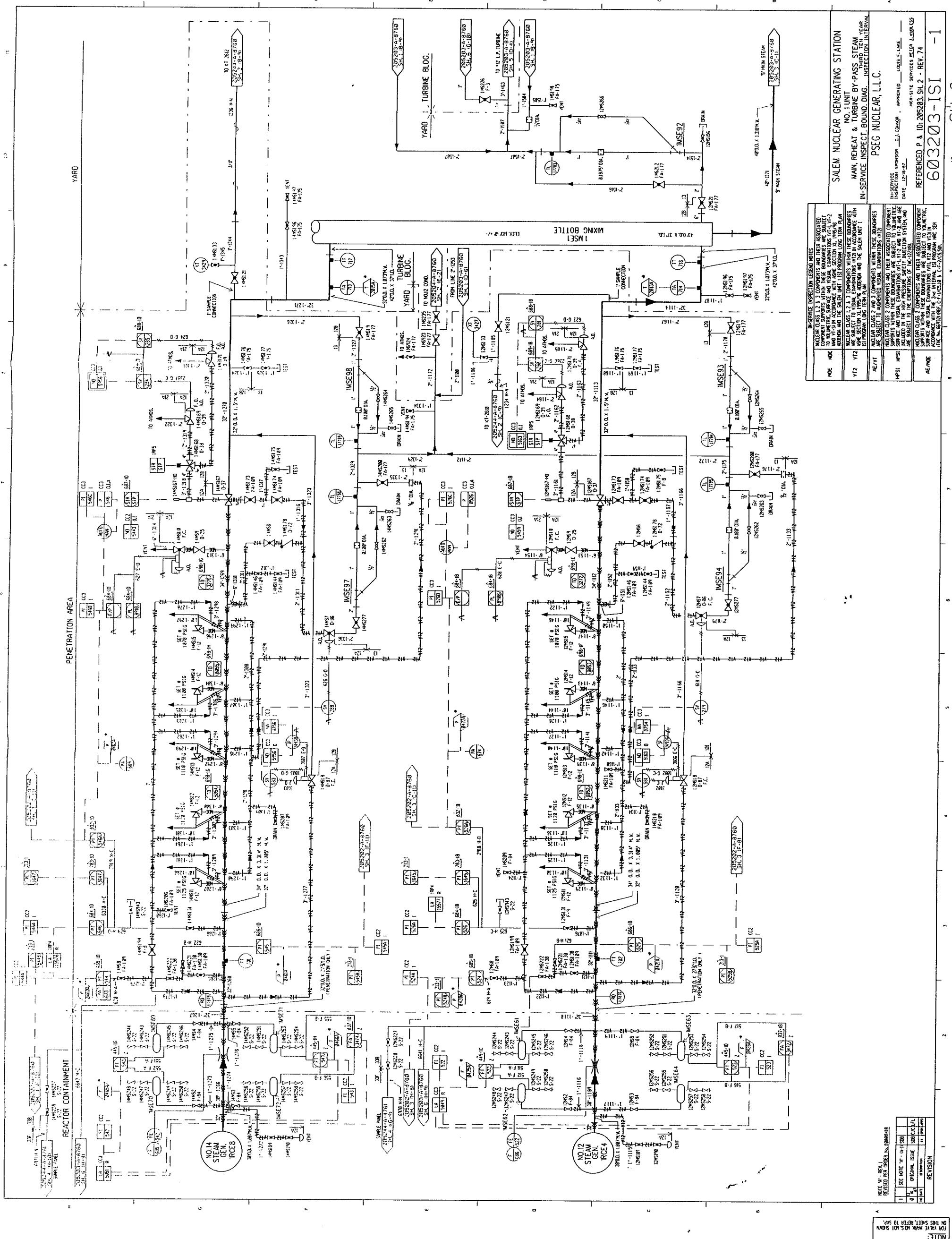
NOTES:

- ALL PRESSURES SHOWN ON EQUIPMENT ARE MAXIMUM ALLOWABLE WORKING PRESSURES FOR THE EQUIPMENT. TESTING PRESSURES SHALL BE 1.5 TIMES THE MAXIMUM ALLOWABLE WORKING PRESSURES.
- INSPECTION ITEMS REFER TO ISA 5.1 FOR DESCRIPTION.
- PIPE SPECIFICATION SHALL BE AS SHOWN ON THE DRAWING.
- ALL WELDING SHALL BE IN ACCORDANCE WITH THE WELDING SPECIFICATION AND WELDING PROCEDURES.
- ALL INSPECTION SHALL BE IN ACCORDANCE WITH THE INSPECTION SPECIFICATION.
- CONTAIN THE PREFIX WITH UNIT 1.
- ADDITIONAL TO LINE INSPECTION DETECTION.

SALEM NUCLEAR GENERATING STATION
NO. 1 UNIT
MAIN, REHEAT & TURBINE BY-PASS STEAM
IN-SERVICE INSPECT. BOUND. DIAG.
THIRD YEAR
PSEG NUCLEAR, L.L.C.
DATE: 12-18-97
REVISED: 10-20-2003, SH. 1 - REV. 76
REFERENCE P & ID: 205203-ISI



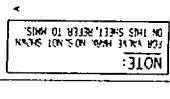
NOTE: SEE NOTE W-14-H-508
REVISION
DATE: 12-18-97
REVISED: 10-20-2003, SH. 1 - REV. 76
REFERENCE P & ID: 205203-ISI



| IN-SERVICE INSPECTION LEGEND | |
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| NOE | NO. 1 UNIT |
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SALEM NUCLEAR GENERATING STATION
NO. 1 UNIT
MAIN REHEAT & TURBINE BY-PASS STEAM
THIRD YEAR
IN-SERVICE INSPECT. BOUND. DIAG. INSPECTION INTERVAL

PSEG NUCLEAR, L.L.C.

IN-SERVICE INSPECTION SPONSOR _____ APPROVED _____
DATE _____

NON-RELIABILITY PROGRAMS
REFERENCED P & ID: 206203, SH. 6 - REV. 54

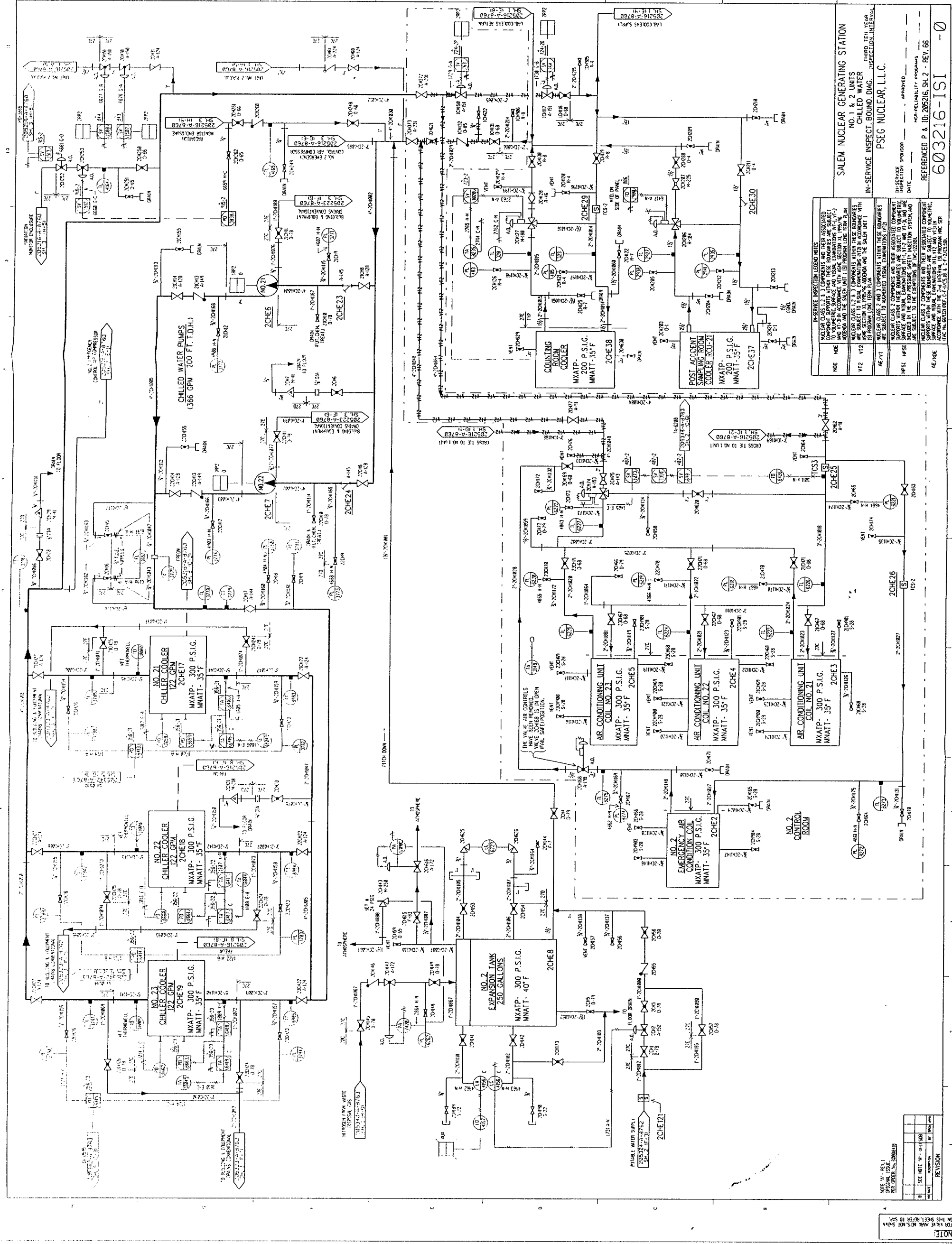
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VALVE MATH. NO'S. MATH.
THIS SHEET, AFTER THE

NOTE:



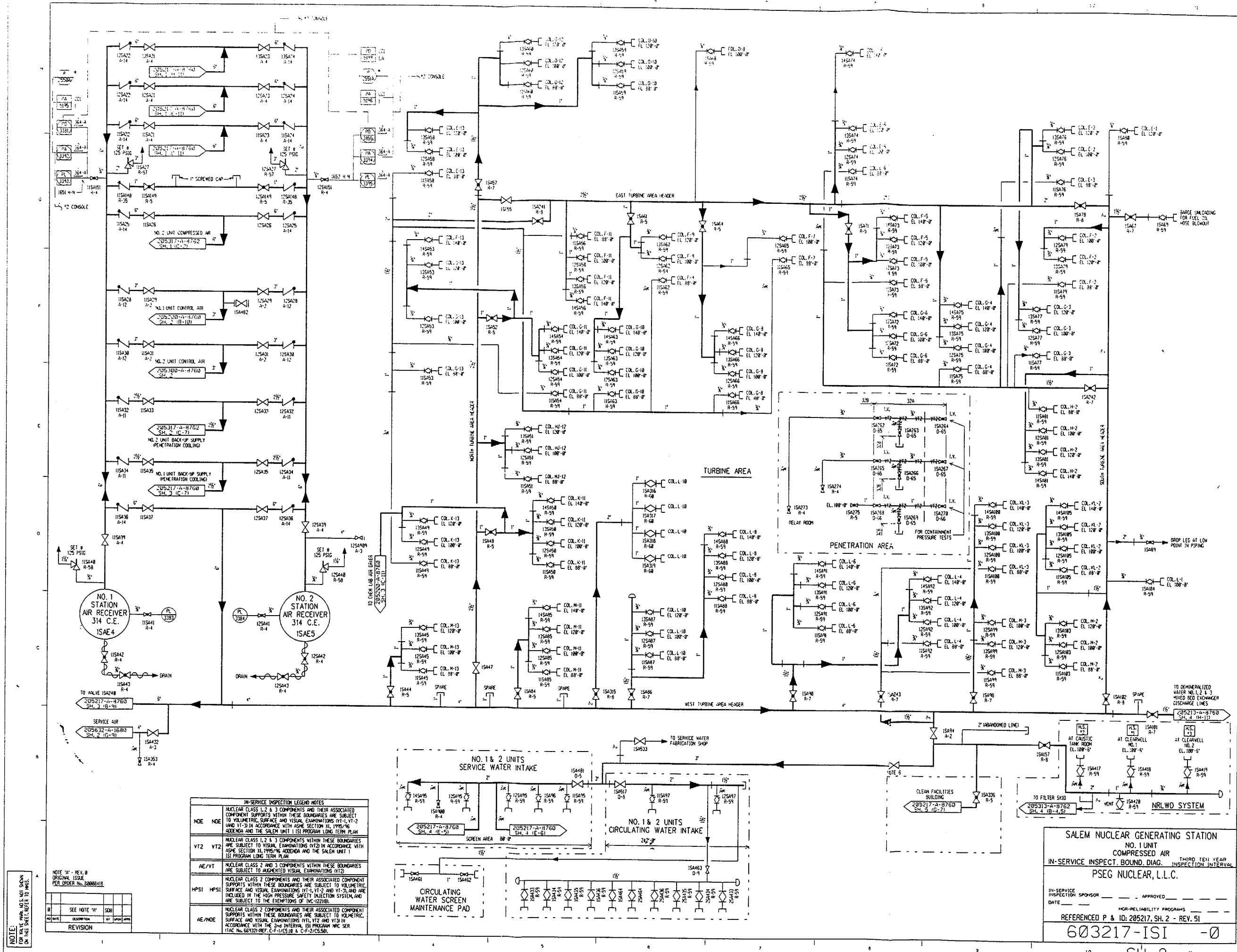


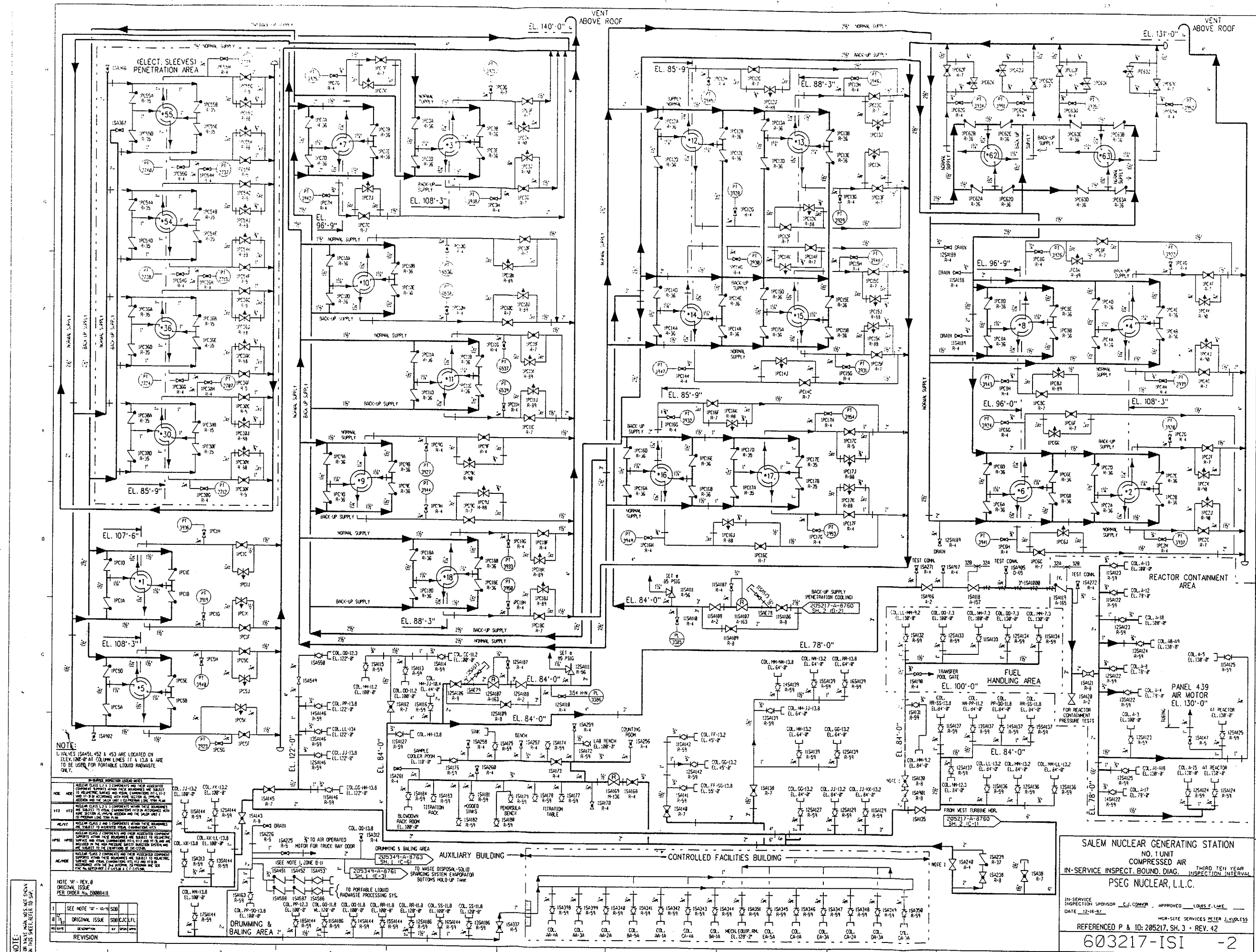
| IN-SERVICE INSPECTION LEGEND NOTES | |
|------------------------------------|---|
| NDE | NON-DESTRUCTIVE EXAMINATION |
| VT | VISUAL THERMIMETER |
| AE/VT | ACoustic Emission / Visual Thermimeter |
| HFST | HIGH-FREQUENCY SURFACE THERMIMETER |
| AE/NE | ACoustic Emission / Non-destructive Examination |

SALEM NUCLEAR GENERATING STATION
NO. 1 & 2 UNITS
CHILLED WATER
IN-SERVICE INSPECT. BOUND. DIAG. INSPECTION INTERVAL
PSEG NUCLEAR, L.L.C.
THIRD YEAR
INSPECTION PROGRAM
DATE
APPROVED
REVISION
P. 10-20216-SH.2 - REV. 06
603216-ISI - 0
SH.2

| REVISION | DATE | BY | CHKD |
|----------|---------|-------------|-------------|
| 1 | 10/1/88 | W. J. BROWN | J. L. BROWN |
| 2 | 10/1/88 | W. J. BROWN | J. L. BROWN |
| 3 | 10/1/88 | W. J. BROWN | J. L. BROWN |
| 4 | 10/1/88 | W. J. BROWN | J. L. BROWN |
| 5 | 10/1/88 | W. J. BROWN | J. L. BROWN |
| 6 | 10/1/88 | W. J. BROWN | J. L. BROWN |
| 7 | 10/1/88 | W. J. BROWN | J. L. BROWN |
| 8 | 10/1/88 | W. J. BROWN | J. L. BROWN |
| 9 | 10/1/88 | W. J. BROWN | J. L. BROWN |
| 10 | 10/1/88 | W. J. BROWN | J. L. BROWN |

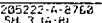
NOTE: SEE NOTE "A" ON SHEET 603216-SH.1 FOR A COMPLETE LIST OF REVISIONS.





| | | | |
|------------------|----------------------------|-------------|-----------------|
| 1 | SEE NOTE "A" - (a)-(i) SDB | | |
| B (a) (b) (2) | ORIGINAL ISSUE | SDB C/C LFL | |
| (c) (3) (i) | DISCONTINUATION | AT | DISCONTINUATION |

REVISION

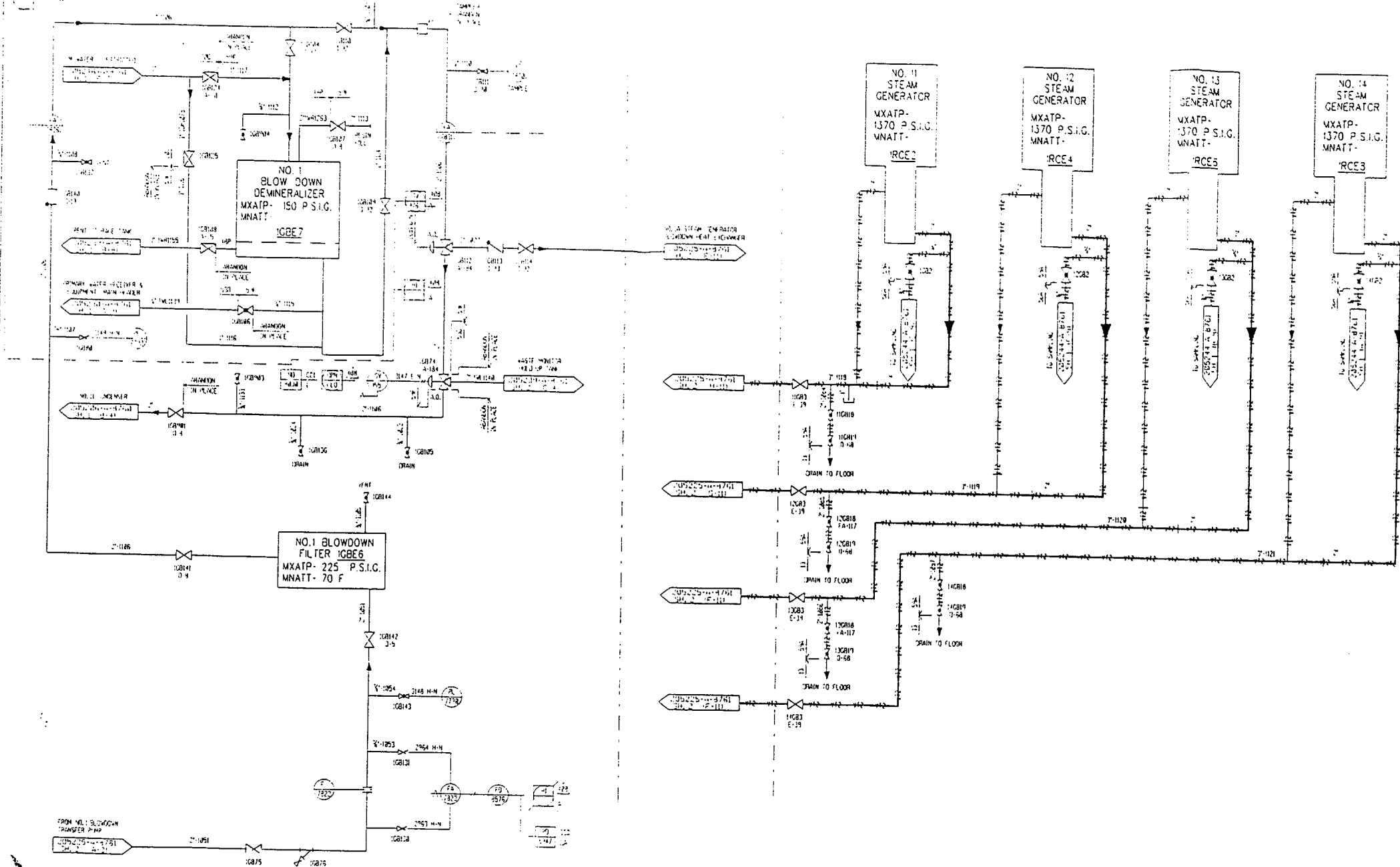


1. FOR PREPARED CONSTRUCTION PIPING SEE DRAWING 2
2. SET PIPE SPRINKLER SYSTEMS COVER UNLESS NOTED AT ELEVATIONS INDICATED
3. 1/2 STANDARD SPRINKLER HEAD NOTED FOR INSPECT
4. ALL VALVE AIR OPERATIONS (A.O.) TO BE UNDERSTOOD TO BE MATCHED WITH THE VALVE IDENTIFICATION NUMBER A.O. EX. IP156-A01
5. ALL INSTRUMENTATION TO BE UNDERSTOOD TO CONTAIN THE PREFIX "Y" FOR 1 & "Z" FOR 2.

[illegible]

NO. 1 & 2 UNITS
FIRE PROTECTION
INSPECT. BOUND. DIAG. IN
PSEG NUCLEAR, L.L.C.

IN-SERVICE
INSPECTION SPONSOR C.J. CONNOR - APPROVED LOUIS F. LAKE
DATE 12-16-97
MOB-SITE SERVICES PETER J. LUDKISS
REFERENCED P & ID: 205272 SH 1 - REV 52



| REVISION | | | | |
|----------|---------|--------------|--------------|-------------------------|
| NO. | DATE | BY | CHKD. | DESCRIPTION |
| 1 | 10/1/77 | J. J. CONNER | J. J. CONNER | ISSUED FOR CONSTRUCTION |
| 2 | 10/1/77 | J. J. CONNER | J. J. CONNER | REVISION 1 |
| 3 | 10/1/77 | J. J. CONNER | J. J. CONNER | REVISION 2 |
| 4 | 10/1/77 | J. J. CONNER | J. J. CONNER | REVISION 3 |
| 5 | 10/1/77 | J. J. CONNER | J. J. CONNER | REVISION 4 |
| 6 | 10/1/77 | J. J. CONNER | J. J. CONNER | REVISION 5 |
| 7 | 10/1/77 | J. J. CONNER | J. J. CONNER | REVISION 6 |
| 8 | 10/1/77 | J. J. CONNER | J. J. CONNER | REVISION 7 |
| 9 | 10/1/77 | J. J. CONNER | J. J. CONNER | REVISION 8 |
| 10 | 10/1/77 | J. J. CONNER | J. J. CONNER | REVISION 9 |

- 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 SPECIFICATIONS.
 - 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 "DOP" (DOP-CLASSIFIED EXCEPT WHERE OTHERWISE NOTED).
 - WITH THE INSERTION OF BLOW DOWN FLANGE BLANKS (D-73) IN THE FOUR (4) LINES LEADING TO THE NO. 11 STEAM GENERATOR BLOWDOWN TANK, THE NO. 11-428 VALVES, THE NO. 11-428 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-SUB-CLASS (D-73).
 - ALL INSTRUMENTATION TO BE UNDERSTOOD TO CONTAIN THE PREFIX "T" FOR UNIT 1.
 - PIPING CLASS 330 WAS ORIGINALLY CLASSIFIED AS NUCLEAR CLASS III. DOP-CLASSIFIED RECLASSIFIED PIPING CLASS 330 TO BE NON-NUCLEAR. ANY MAINTENANCE, REPAIR AND/OR MODIFICATION HEREON SHALL COMPLY WITH THE REQUIREMENTS OF RECLASSIFIED PIPING CLASS.

NOTE: FOR ALL WORK, SEE THE SALEM UNIT 1 IN-SERVICE INSPECT. BOUND. DIAG. FOR THE SALEM UNIT 1 IN-SERVICE INSPECT. BOUND. DIAG.

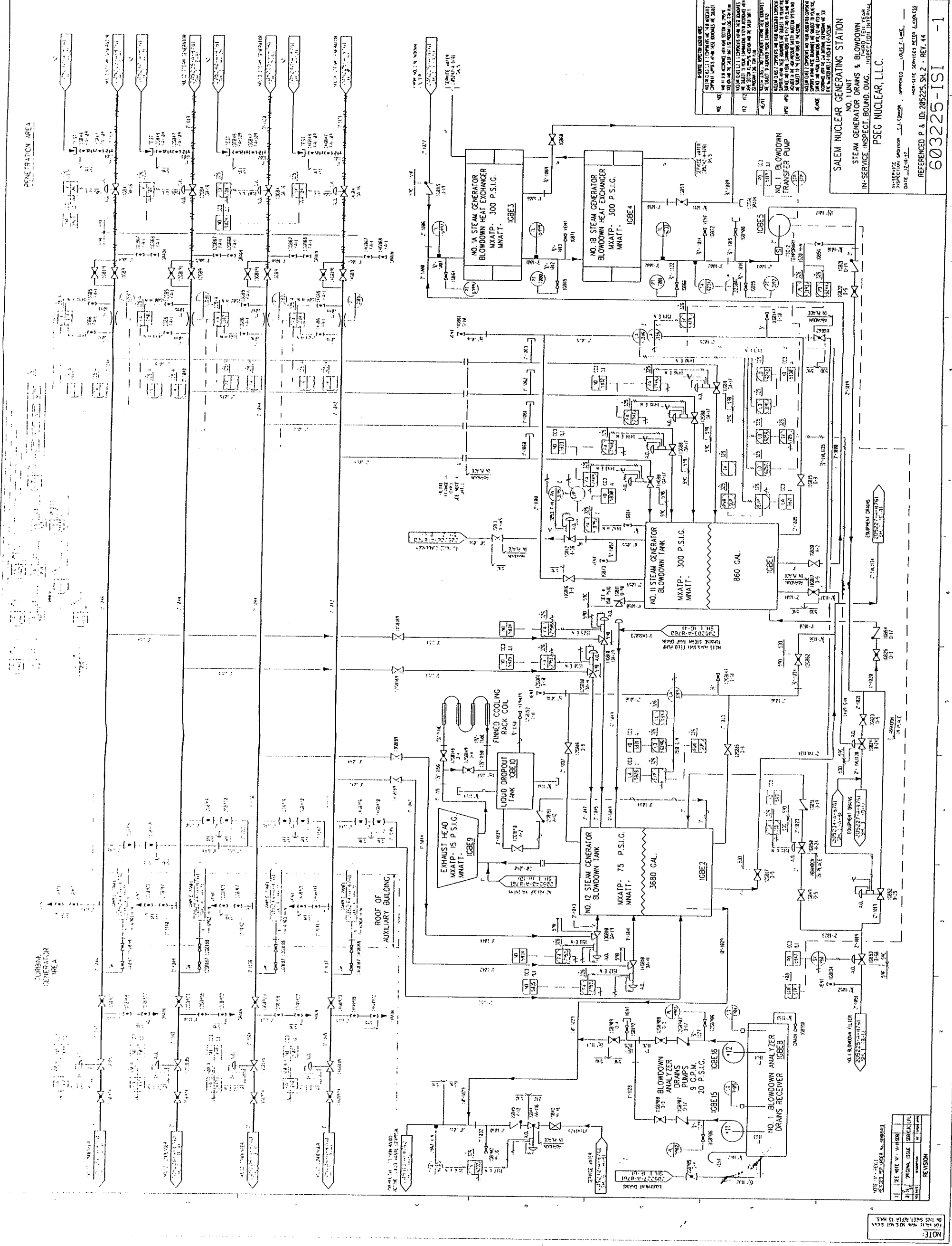
| REV. | DATE | BY | CHKD. | DESCRIPTION |
|------|---------|--------------|--------------|-------------------------|
| 1 | 10/1/77 | J. J. CONNER | J. J. CONNER | ISSUED FOR CONSTRUCTION |
| 2 | 10/1/77 | J. J. CONNER | J. J. CONNER | REVISION 1 |
| 3 | 10/1/77 | J. J. CONNER | J. J. CONNER | REVISION 2 |
| 4 | 10/1/77 | J. J. CONNER | J. J. CONNER | REVISION 3 |
| 5 | 10/1/77 | J. J. CONNER | J. J. CONNER | REVISION 4 |
| 6 | 10/1/77 | J. J. CONNER | J. J. CONNER | REVISION 5 |
| 7 | 10/1/77 | J. J. CONNER | J. J. CONNER | REVISION 6 |
| 8 | 10/1/77 | J. J. CONNER | J. J. CONNER | REVISION 7 |
| 9 | 10/1/77 | J. J. CONNER | J. J. CONNER | REVISION 8 |
| 10 | 10/1/77 | J. J. CONNER | J. J. CONNER | REVISION 9 |

| 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 TNC-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 INTERMITTENT ISI PROGRAM NRC SER. (10C-60.602) REF. 6-4-10510 & 6-4-10520. |

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

IN-SERVICE INSPECTION SPONSOR: J. J. CONNER, APPROVED: J. J. CONNER
DATE: 10/1/77

REFERENCES: P & 10-205225, SH. 1 - REV. 43
603225-ISI -1



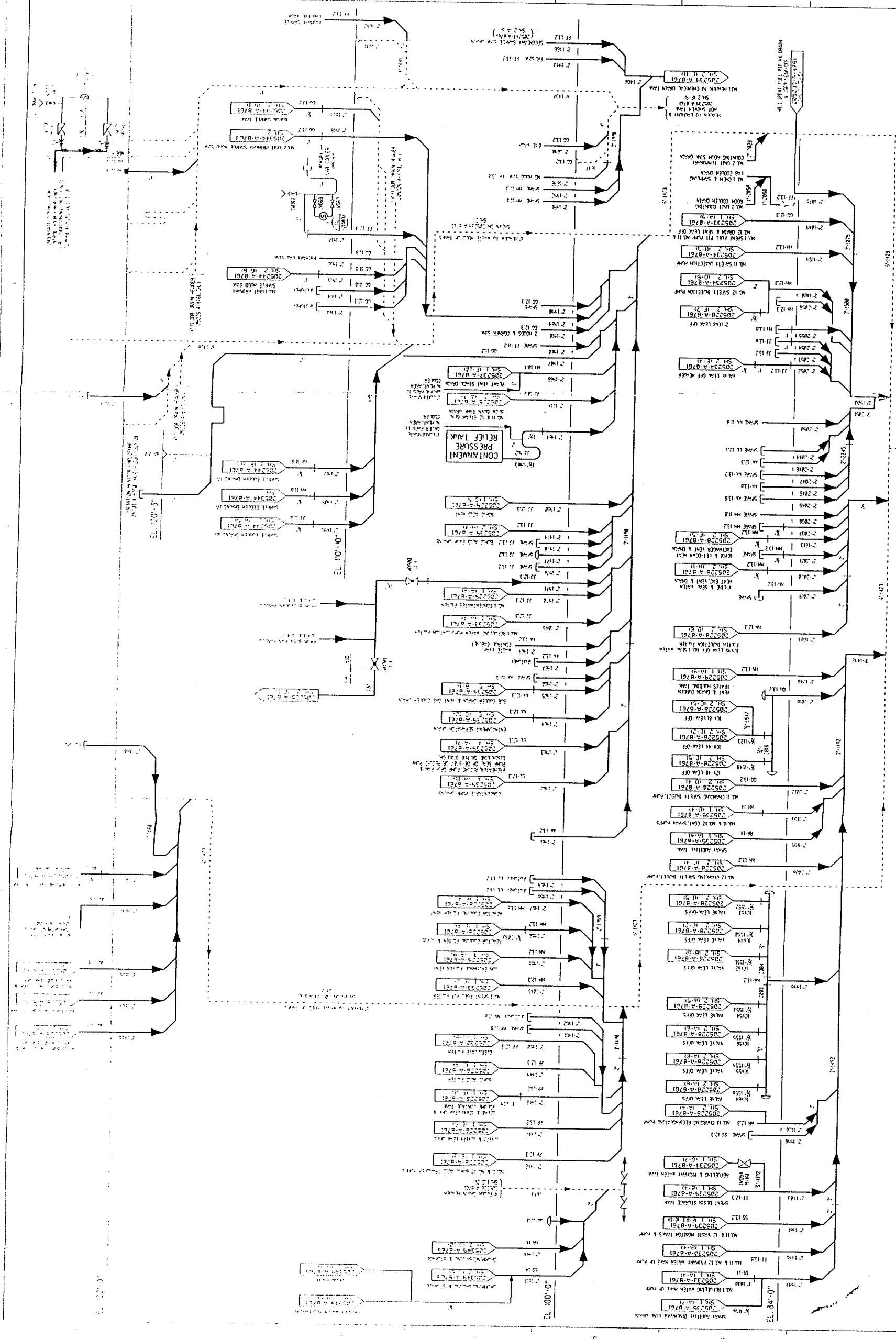
NOTE: FOR ALL INFORMATION, NO. 101-5664
ON 10/17/2014, 10:10 AM

| MOSIA35 | | | |
|---------|-----|---------------|------|
| DATE | BY | REMARKS | TIME |
| 1/1/73 | BOS | 3555 30000000 | 1/1 |
| 1/1/73 | BOS | 3555 30000000 | 1/1 |

1/1/73 1/1/73 1/1/73 1/1/73 1/1/73 1/1/73 1/1/73 1/1/73 1/1/73 1/1/73

SALEM NUCLEAR GENERATING STATION
NO. 1 UNIT
STEAM GENERATOR DRUMS & BLOWDOWN
IN-SERVICE INSPECT BOUND DIAG. INSPECTED INTERNALLY
PSEG NUCLEAR, L.L.C.

IN-SERVICE
INSPECTION STATION SLI COMPANY APPROVED LOUIS F. LANE
DATE 12-14-72 NON-SITE SERVICES PEPER L. GORDON
REFERENCED P & ID: 205225, SH. 2 - REV. 44
603225-ISI -1



NOTES:

1. PIPE SIZES SHALL BE SHOWN IN INCHES OR FEET, WHICHEVER IS MORE APPROPRIATE.
2. INSTRUMENT ITEMS IN SHADOWS ARE INSTRUMENTS TO BE INSTALLED.
3. REFER TO DRAWING FOR INSTRUMENT IDENTIFICATION.
4. ALL PIPELINE NUMBERS SHALL BE IDENTIFIED TO THE DESIGN.
5. ALL INSTRUMENTATION TO BE IDENTIFIED TO THE DESIGN.
6. ALL INSTRUMENTATION TO BE IDENTIFIED TO THE DESIGN.
7. ALL INSTRUMENTATION TO BE IDENTIFIED TO THE DESIGN.
8. ALL INSTRUMENTATION TO BE IDENTIFIED TO THE DESIGN.
9. ALL INSTRUMENTATION TO BE IDENTIFIED TO THE DESIGN.
10. ALL INSTRUMENTATION TO BE IDENTIFIED TO THE DESIGN.

| NO. | DESCRIPTION | DATE | BY | CHKD. |
|-----|----------------------------------|---------|----------|----------|
| 101 | NO. 1 REACTOR COOLANT PUMP VENT | 10/1/78 | J. J. J. | J. J. J. |
| 102 | NO. 2 REACTOR COOLANT PUMP VENT | 10/1/78 | J. J. J. | J. J. J. |
| 103 | NO. 3 REACTOR COOLANT PUMP VENT | 10/1/78 | J. J. J. | J. J. J. |
| 104 | NO. 4 REACTOR COOLANT PUMP VENT | 10/1/78 | J. J. J. | J. J. J. |
| 105 | NO. 5 REACTOR COOLANT PUMP VENT | 10/1/78 | J. J. J. | J. J. J. |
| 106 | NO. 6 REACTOR COOLANT PUMP VENT | 10/1/78 | J. J. J. | J. J. J. |
| 107 | NO. 7 REACTOR COOLANT PUMP VENT | 10/1/78 | J. J. J. | J. J. J. |
| 108 | NO. 8 REACTOR COOLANT PUMP VENT | 10/1/78 | J. J. J. | J. J. J. |
| 109 | NO. 9 REACTOR COOLANT PUMP VENT | 10/1/78 | J. J. J. | J. J. J. |
| 110 | NO. 10 REACTOR COOLANT PUMP VENT | 10/1/78 | J. J. J. | J. J. J. |

SALEM NUCLEAR GENERATING STATION
EQUIPMENT VENTS & DRAINS - CONTAMINATED
IN-SERVICE INSPECT BOUND, DIAG. INSPECTION INTERVAL

NO. 1 UNIT
PSEG NUCLEAR, L.L.C.

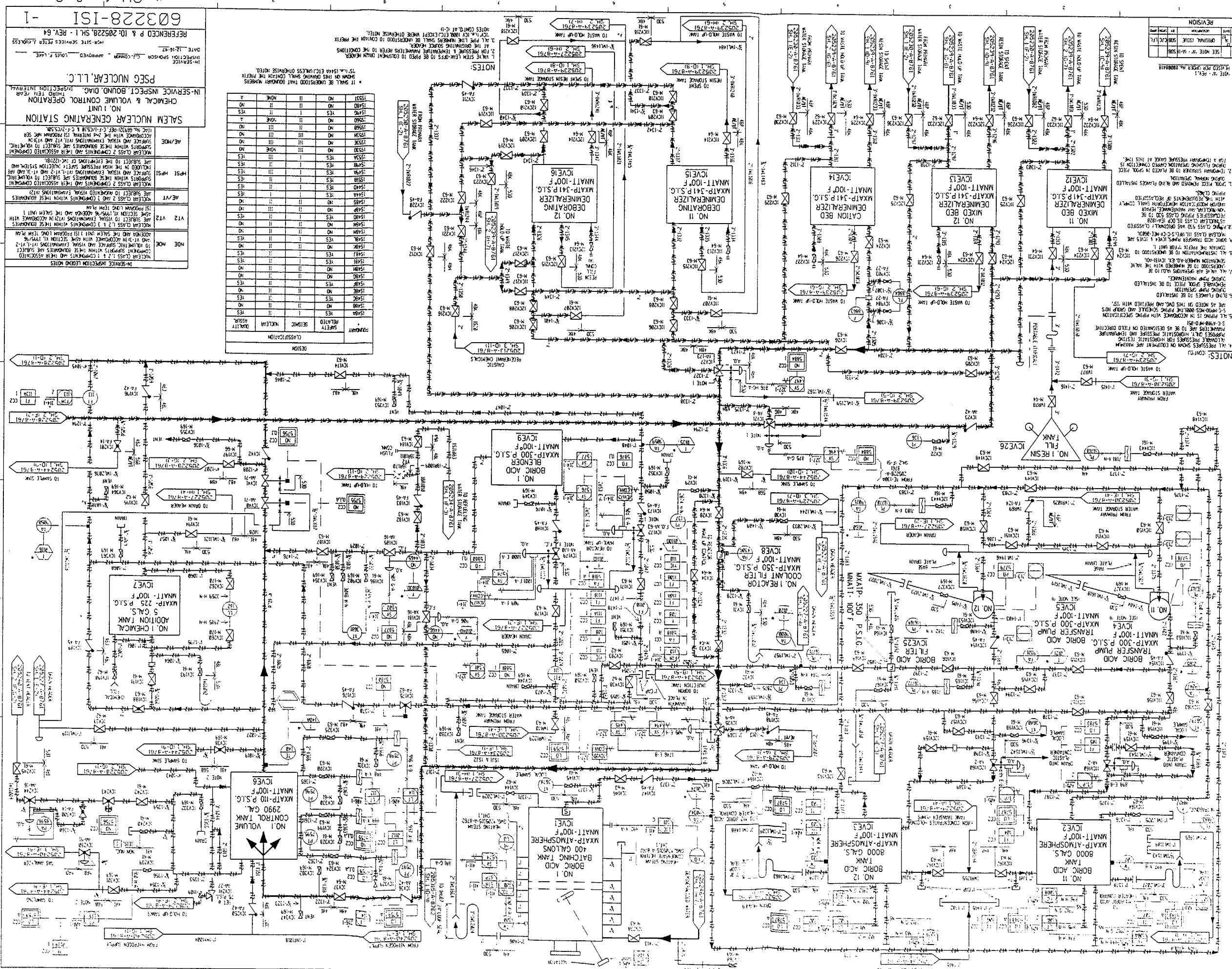
INSPECTION DATE: 10/1/78
INSPECTION BY: J. J. J.
INSPECTION CHECKED: J. J. J.

REFERENCE: P & ID: 205227-SH.1 - REV. 29
603227-1SI -0

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------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| 15684 | 15685 | 15686 | 15687 | 15688 | 15689 | 15690 | 15691 | 15692 | 15693 | 15694 | 15695 | 15696 | 15697 | 15698 | 15699 | 15700 | 15701 | 15702 | 15703 | 15704 | 15705 | 15706 | 15707 | 15708 | 15709 | 15710 | 15711 | 15712 | 15713 | 15714 | 15715 | 15716 | 15717 | 15718 | 15719 | 15720 | 15721 | 15722 | 15723 | 15724 | 15725 | 15726 | 15727 | 15728 | 15729 | 15730 | 15731 | 15732 | 15733 | 15734 | 15735 | 15736 | 15737 | 15738 | 15739 | 15740 | 15741 | 15742 | 15743 | 15744 | 15745 | 15746 | 15747 | 15748 | 15749 | 15750 | 15751 | 15752 | 15753 | 15754 | 15755 | 15756 | 15757 | 15758 | 15759 | 15760 | 15761 | 15762 | 15763 | 15764 | 15765 | 15766 | 15767 | 15768 | 15769 | 15770 | 15771 | 15772 | 15773 | 15774 | 15775 | 15776 | 15777 | 15778 | 15779 | 15780 | 15781 | 15782 | 15783 | 15784 | 15785 | 15786 | 15787 | 15788 | 15789 | 15790 | 15791 | 15792 | 15793 | 15794 | 15795 | 15796 | 15797 | 15798 | 15799 | 15800 | 15801 | 15802 | 15803 | 15804 | 15805 | 15806 | 15807 | 15808 | 15809 | 15810 | 15811 | 15812 | 15813 | 15814 | 15815 | 15816 | 15817 | 15818 | 15819 | 15820 | 15821 | 15822 | 15823 | 15824 | 15825 | 15826 | 15827 | 15828 | 15829 | 15830 | 15831 | 15832 | 15833 | 15834 | 15835 | 15836 | 15837 | 15838 | 15839 | 15840 | 15841 | 15842 | 15843 | 15844 | 15845 | 15846 | 15847 | 15848 | 15849 | 15850 | 15851 | 15852 | 15853 | 15854 | 15855 | 15856 | 15857 | 15858 | 15859 | 15860 | 15861 | 15862 | 15863 | 15864 | 15865 | 15866 | 15867 | 15868 | 15869 | 15870 | 15871 | 15872 | 15873 | 15874 | 15875 | 15876 | 15877 | 15878 | 15879 | 15880 | 15881 | 15882 | 15883 | 15884 | 15885 | 15886 | 15887 | 15888 | 15889 | 15890 | 15891 | 15892 | 15893 | 15894 | 15895 | 15896 | 15897 | 15898 | 15899 | 15900 | 15901 | 15902 | 15903 | 15904 | 15905 | 15906 | 15907 | 15908 | 15909 | 15910 | 15911 | 15912 | 15913 | 15914 | 15915 | 15916 | 15917 | 15918 | 15919 | 15920 | 15921 | 15922 | 15923 | 15924 | 15925 | 15926 | 15927 | 15928 | 15929 | 15930 | 15931 | 15932 | 15933 | 15934 | 15935 | 15936 | 15937 | 15938 | 15939 | 15940 | 15941 | 15942 | 15943 | 15944 | 15945 | 15946 | 15947 | 15948 | 15949 | 15950 | 15951 | 15952 | 15953 | 15954 | 15955 | 15956 | 15957 | 15958 | 15959 | 15960 | 15961 | 15962 | 15963 | 15964 | 15965 | 15966 | 15967 | 15968 | 15969 | 15970 | 15971 | 15972 | 15973 | 15974 | 15975 | 15976 | 15977 | 15978 | 15979 | 15980 | 15981 | 15982 | 15983 | 15984 | 15985 | 15986 | 15987 | 15988 | 15989 | 15990 | 15991 | 15992 | 15993 | 15994 | 15995 | 15996 | 15997 | 15998 | 15999 | 16000 | 16001 | 16002 | 16003 | 16004 | 16005 | 16006 | 16007 | 16008 | 16009 | 16010 | 16011 | 16012 | 16013 | 16014 | 16015 | 16016 | 16017 | 16018 | 16019 | 16020 | 16021 | 16022 | 16023 | 16024 | 16025 | 16026 | 16027 | 16028 | 16029 | 16030 | 16031 | 16032 | 16033 | 16034 | 16035 | 16036 | 16037 | 16038 | 16039 | 16040 | 16041 | 16042 | 16043 | 16044 | 16045 | 16046 | 16047 | 16048 | 16049 | 16050 | 16051 | 16052 | 16053 | 16054 | 16055 | 16056 | 16057 | 16058 | 16059 | 16060 | 16061 | 16062 | 16063 | 16064 | 16065 | 16066 | 16067 | 16068 | 16069 | 16070 | 16071 | 16072 | 16073 | 16074 | 16075 | 16076 | 16077 | 16078 | 16079 | 16080 | 16081 | 16082 | 16083 | 16084 | 16085 | 16086 | 16087 | 16088 | 16089 | 16090 | 16091 | 16092 | 16093 | 16094 | 16095 | 16096 | 16097 | 16098 | 16099 | 16100 | 16101 | 16102 | 16103 | 16104 | 16105 | 16106 | 16107 | 16108 | 16109 | 16110 | 16111 | 16112 | 16113 | 16114 | 16115 | 16116 | 16117 | 16118 | 16119 | 16120 | 16121 | 16122 | 16123 | 16124 | 16125 | 16126 | 16127 | 16128 | 16129 | 16130 | 16131 | 16132 | 16133 | 16134 | 16135 | 16136 | 16137 | 16138 | 16139 | 16140 | 16141 | 16142 | 16143 | 16144 | 16145 | 16146 | 16147 | 16148 | 16149 | 16150 | 16151 | 16152 | 16153 | 16154 | 16155 | 16156 | 16157 | 16158 | 16159 | 16160 | 16161 | 16162 | 16163 | 16164 | 16165 | 16166 | 16167 | 16168 | 16169 | 16170 | 16171 | 16172 | 16173 | 16174 | 16175 | 16176 | 16177 | 16178 | 16179 | 16180 | 16181 | 16182 | 16183 | 16184 | 16185 | 16186 | 16187 | 16188 | 16189 | 16190 | 16191 | 16192 | 16193 | 16194 | 16195 | 16196 | 16197 | 16198 | 16199 | 16200 | 16201 | 16202 | 16203 | 16204 | 16205 | 16206 | 16207 | 16208 | 16209 | 16210 | 16211 | 16212 | 16213 | 16214 | 16215 | 16216 | 16217 | 16218 | 16219 | 16220 | 16221 | 16222 | 16223 | 16224 | 16225 | 16226 | 16227 | 16228 | 16229 | 16230 | 16231 | 16232 | 16233 | 16234 | 16235 | 16236 | 16237 | 16238 | 16239 | 16240 | 16241 | 16242 | 16243 | 16244 | 16245 | 16246 | 16247 | 16248 | 16249 | 16250 | 16251 | 16252 | 16253 | 16254 | 16255 | 16256 | 16257 | 16258 | 16259 | 16260 | 16261 | 16262 | 16263 | 16264 | 16265 | 16266 | 16267 | 16268 | 16269 | 16270 | 16271 | 16272 | 16273 | 16274 | 16275 | 16276 | 16277 | 16278 | 16279 | 16280 | 16281 | 16282 | 16283 | 16284 | 16285 | 16286 | 16287 | 16288 | 16289 | 16290 | 16291 | 16292 | 16293 | 16294 | 16295 | 16296 | 16297 | 16298 | 16299 | 16300 | 16301 | 16302 | 16303 | 16304 | 16305 | 16306 | 16307 | 16308 | 16309 | 16310 | 16311 | 16312 | 16313 | 16314 | 16315 | 16316 | 16317 | 16318 | 16319 | 16320 | 16321 | 16322 | 16323 | 16324 | 16325 | 16326 | 16327 | 16328 | 16329 | 16330 | 16331 | 16332 | 16333 | 16334 | 16335 | 16336 | 16337 | 16338 | 16339 | 16340 | 16341 | 16342 | 16343 | 16344 | 16345 | 16346 | 16347 | 16348 | 16349 | 16350 | 16351 | 16352 | 16353 | 16354 | 16355 | 16356 | 16357 | 16358 | 16359 | 16360 | 16361 | 16362 | 16363 | 16364 | 16365 | 16366 | 16367 | 16368 | 16369 | 16370 | 16371 | 16372 | 16373 | 16374 | 16375 | 16376 | 16377 | 16378 | 16379 | 16380 | 16381 | 16382 | 16383 | 16384 | 16385 | 16386 | 16387 | 16388 | 16389 | 16390 | 16391 | 16392 | 16393 | 16394 | 16395 | 16396 | 16397 | 16398 | 16399 | 16400 | 16401 | 16402 | 16403 | 16404 | 16405 | 16406 | 16407 | 16408 | 16409 | 16410 | 16411 | 16412 | 16413 | 16414 | 16415 | 16416 | 16417 | 16418 | 16419 | 16420 | 16421 | 16422 | 16423 | 16424 | 16425 | 16426 | 16427 | 16428 | 16429 | 16430 | 16431 | 16432 | 16433 | 16434 | 16435 | 16436 | 16437 | 16438 | 16439 | 16440 | 16441 | 16442 | 16443 | 16444 | 16445 | 16446 | 16447 | 16448 | 16449 | 16450 | 16451 | 16452 | 16453 | 16454 | 16455 | 16456 | 16457 | 16458 | 16459 | 16460 | 16461 | 16462 | 16463 | 16464 | 16465 | 16466 | 16467 | 16468 | 16469 | 16470 | 16471 | 16472 | 16473 | 16474 | 16475 | 16476 | 16477 | 16478 | 16479 | 16480 | 16481 | 16482 | 16483 | 16484 | 16485 | 16486 | 16487 | 16488 | 16489 | 16490 | 16491 | 16492 | 16493 | 16494 | 16495 | 16496 | 16497 | 16498 | 16499 | 16500 | 16501 | 16502 | 16503 | 16504 | 16505 | 16506 | 16507 | 16508 | 16509 | 16510 | 16511 | 16512 | 16513 | 16514 | 16515 | 16516 | 16517 | 16518 | 16519 | 16520 | 16521 | 16522 | 16523 | 16524 | 16525 | 16526 | 16527 | 16528 | 16529 | 16530 | 16531 | 16532 | 16533 | 16534 | 16535 | 16536 | 16537 | 16538 | 16539 | 16540 | 16541 | 16542 | 16543 | 16544 | 16545 | 16546 | 16547 | 16548 | 16549 | 16550 | 16551 | 16552 | 16553 | 16554 | 16555 | 16556 | 16557 | 16558 | 16559 | 16560 | 16561 | 16562 | 16563 | 16564 | 16565 | 16566 | 16567 | 16568 | 16569 | 16570 | 16571 | 16572 | 16573 | 16574 | 16575 | 16576 | 16577 | 16578 | 16579 | 16580 | 16581 | 16582 | 16583 | 16584 | 16585 | 16586 | 16587 | 16588 | 16589 | 16590 | 16591 | 16592 | 16593 | 16594 | 16595 | 16596 | 16597 | 16598 | 16599 | 16600 | 16601 | 16602 | 16603 | 16604 | 16605 | 16606 | 16607 | 16608 | 16609 | 16610 | 16611 | 16612 | 16613 | 16614 | 16615 | 16616 | 16617 | 16618 | 16619 | 16620 | 16621 | 16622 | 16623 | 16624 | 16625 | 16626 | 16627 | 16628 | 16629 | 16630 | 16631 | 16632 | 16633 | 16634 | 16635 | 16636 | 16637 | 16638 | 16639 | 16640 | 16641 | 16642 | 16643 | 16644 | 16645 | 16646 | 16647 | 16648 | 16649 | 16650 | 16651 | 16652 | 16653 | 16654 | 16655 | 16656 | 16657 | 16658 | 16659 | 16660 | 16661 | 16662 | 16663 | 16664 | 16665 | 16666 | 16667 | 16668 | 16669 | 16670 | 16671 | 16672 | 16673 | 16674 | 16675 | 16676 | 16677 | 16678 | 16679 | 16680 | 16681 | 16682 | 16683 | 16684 | 16685 | 16686 | 16687 | 16688 | 16689 | 16690 | 16691 | 16692 | 16693 | 16694 | 16695 | 16696 | 16697 | 16698 | 16699 | 16700 | 16701 | 16702 | 16703 | 16704 | 16705 | 16706 | 16707 | 16708 | 16709 | 16710 | 16711 | 16712 | 16713 | 16714 | 16715 | 16716 | 16717 | 16718 | 16719 | 16720 | 16721 | 16722 | 16723 | 16724 | 16725 | 16726 | 16727 | 16728 | 16729 | 16730 | 16731 | 16732 | 16733 | 16734 | 16735 | 16736 | 16737 | 16738 | 16739 | 16740 | 16741 | 16742 | 16743 | 16744 | 16745 | 16746 | 16747 | 16748 | 16749 | 16750 | 16751 | 16752 | 16753 | 16754 | 16755 | 16756 | 16757 | 16758 | 16759 | 16760 | 16761 | 16762 | 16763 | 16764 | 16765 | 16766 | 16767 | 16768 | 16769 | 16770 | 16771 | 16772 | 16773 | 16774 | 16775 | 16776 | 16777 | 16778 | 16779 | 16780 | 16781 | 16782 | 16783 | 16784 | 16785 | 16786 | 16787 | 16788 | 16789 | 16790 | 16791 | 16792 | 16793 | 16794 | 16795 | 16796 | 16797 | 16798 | 16799 | 16800 | 16801 | 16802 | 16803 | 16804 | 16805 | 16806 | 16807 | 16808 | 16809 | 16810 | 16811 | 16812 | 16813 | 16814 | 16815 | 16816 | 16817 | 16818 | 16819 | 16820 | 16821 | 16822 | 16823 | 16824 | 16825 | 16826 | 16827 | 16828 | 16829 | 16830 | 16831 | 16832 | 16833 | 16834 | 16835 | 16836 | 16837 | 16838 | 16839 | 16840 | 16841 | 16842 | 16843 | 16844 | 16845 | 16846 | 16847 | 16848 | 16849 | 16850 | 16851 | 16852 | 16853 | 16854 | 16855 | 16856 | 16857 | 16858 | 16859 | 16860 | 16861 | 16862 | 16863 | 16864 | 16865 | 16866 | 16867 | 16868 | 16869 | 16870 | 16871 | 16872 | 16873 | 16874 | 16875 | 16876 | 16877 | 16878 | 16879 | 16880 | 16881 | 16882 | 16883 | 16884 | 16885 | 16886 | 16887 | 16888 | 16889 | 16890 | 16891 | 16892 | 16893 | 16894 | 16895 | 16896 | 16897 | 16898 | 16899 | 16900 | 16901 | 16902 | 16903 | 16904 | 16905 | 16906 | 16907 | 16908 | 16909 | 16910 | 16911 | 16912 | 16913 | 16914 | 16915 | 16916 | 16917 | 16918 | 16919 | 16920 | 16921 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------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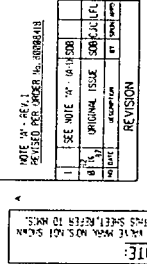
* IT SHALL BE UNDERSTOOD THAT BOUNDARY NUMBERS SHOWN ON THIS DRAWING SHALL CONTAIN THE PREFIX 1511.0.1544A ETC. UNLESS OTHERWISE NOTED.

ALL PIPE LINE NUMBERS SHALL BE UNDERSTOOD TO CONTAIN THE PREFIX AT THE ORIGINATING SOURCE HEADER.

[illegible]

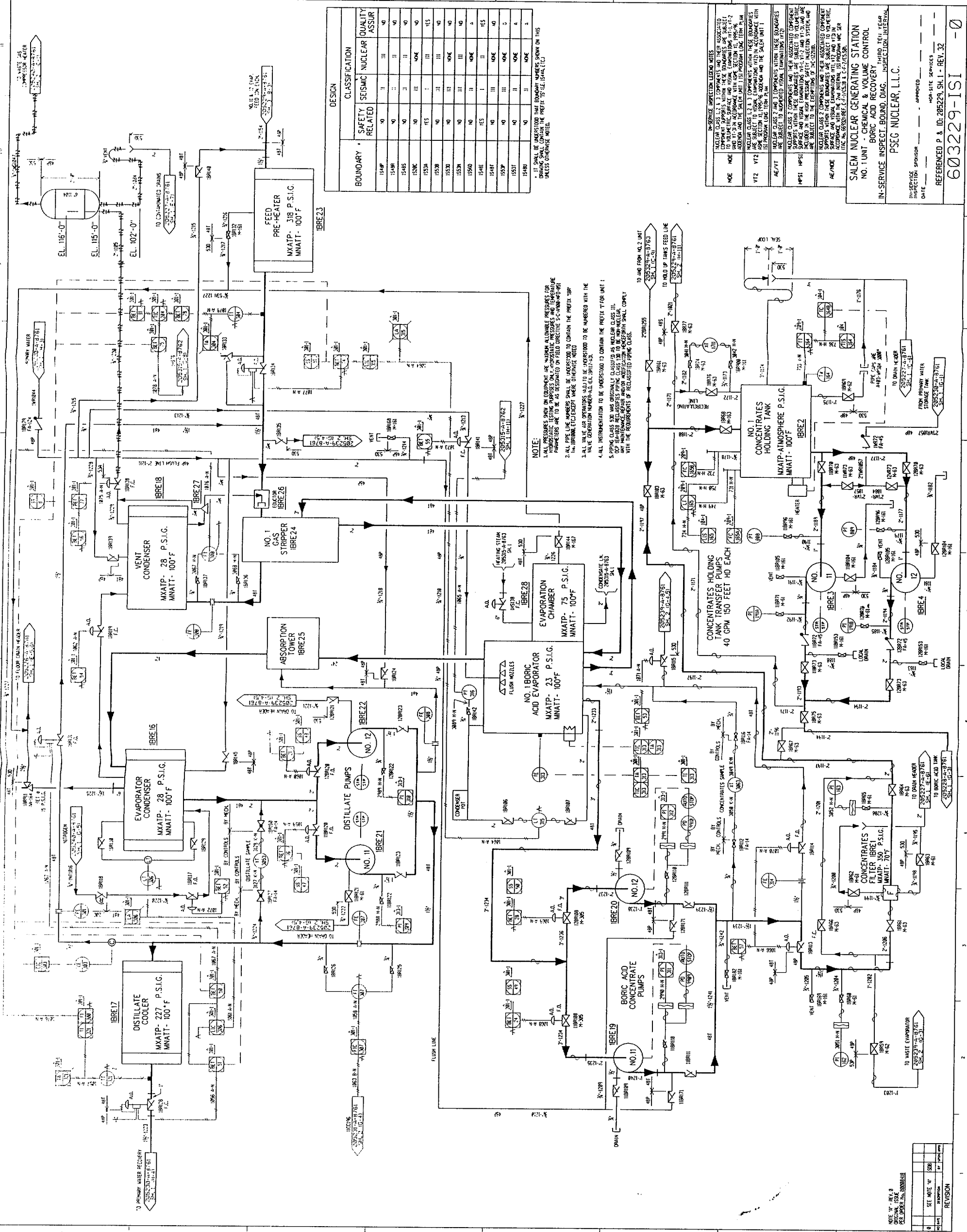
| | | | | |
|----------|------|------|----------------------|--------|
| REVISION | | | | |
| QTY | UNIT | AB | DESCRIPTION | DATE |
| 1 | EA | 8005 | ORIGINAL ISSUE | 8/1/72 |
| | | 8005 | SEE NOTE 335 - (A-1) | |

NOTE:
FOR NAME WITH NO SS NOT SHOW
ON THIS SHEET, REFER TO NOTE.



IN-SERVICE INSPECTION SPONSOR C. J. CONNOR - APPROVED LOUIS F. LAKE
DATE 12-16-97 MGR-SITE SERVICES ORDER # POULS
REFERENCED P & IO: 205228, SH. 2 - REV. 74

603228-ISI -1
10 SH.2 "



| BOUNDARY | DESIGN | | | QUALITY ASSUR |
|----------|----------------|---------|---------|---------------|
| | SAFETY RELATED | SEISMIC | NUCLEAR | |
| 1540P | NO | II | III | NO |
| 1540R | NO | .. | II | NO |
| 1546S | NO | II | II | NO |
| 1538C | NO | III | NOE | NO |
| 1555A | YES | I | III | YES |
| 1552B | NO | II | III | NO |
| 1553D | NO | III | NOE | NO |
| 1558A | NO | III | III | NO |
| 1556D | NO | II | NOE | I |
| 1546I | YES | I | II | YES |
| 1548I | NO | III | NOE | NO |
| 1557P | NO | III | NOE | I |
| 1550I | NO | II | NOE | NO |
| 1549I | NO | II | NOE | I |

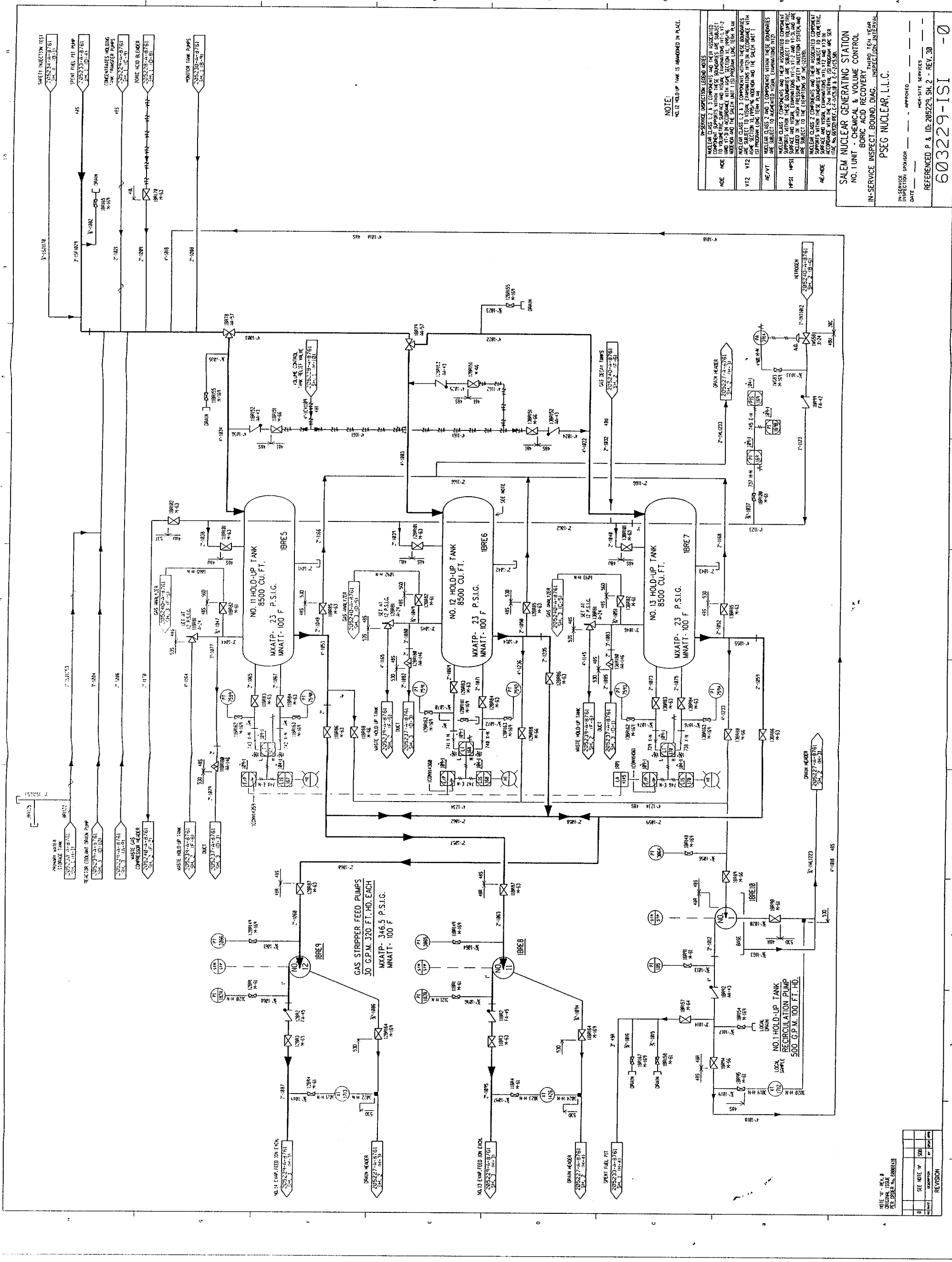
* IT SHALL BE UNDERSTOOD THAT BOUNDARY NUMBERS SHOWN ON THIS DRAWING SHALL CONTAIN THE PREFIX "IS" I.E. IS444, ETC.) UNLESS OTHERWISE NOTED.

[illegible]

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

SERVICE
SECTION SPONSOR _____ APPROVED _____
E _____ MGR-SITE SERVICES _____
REFERENCED P & ID: 205229, SH. 1 - REV. 32

| | |
|------------|----|
| 603229-ISI | -0 |
|------------|----|



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

| IN-SERVICE INSPECTION LOGS | |
|----------------------------|--|
| NOE | NO. 12 HOLD-UP TANK IS REMOVED IN PLACE. |
| VT2 | NO. 12 HOLD-UP TANK IS REMOVED IN PLACE. |
| AE/VT | NO. 12 HOLD-UP TANK IS REMOVED IN PLACE. |
| MP51 | NO. 12 HOLD-UP TANK IS REMOVED IN PLACE. |
| AE/NOE | NO. 12 HOLD-UP TANK IS REMOVED IN PLACE. |

SALEM NUCLEAR GENERATING STATION

NO. 1 UNIT - CHEMICAL & VOLUME CONTROL

BOREIC ACID RECOVERY

IN-SERVICE INSPECT. BOUND. DIAG. INSPECTION INTERVAL

PSEG NUCLEAR, L.L.C.

INSPECTION

INSPECTION

DATE

APPROVED

APPROVED

APPROVED

THIRD TEN YEAR

THIRD TEN YEAR

THIRD TEN YEAR

REVISION

REVISION

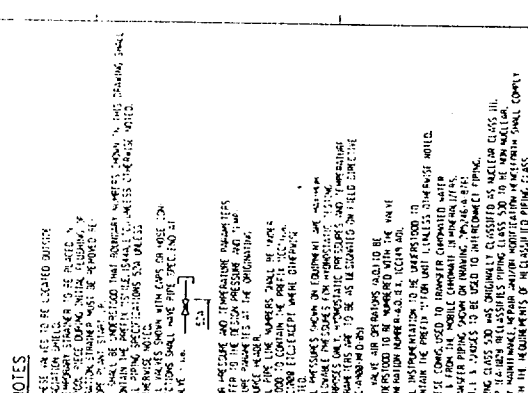
REVISION

603229-151

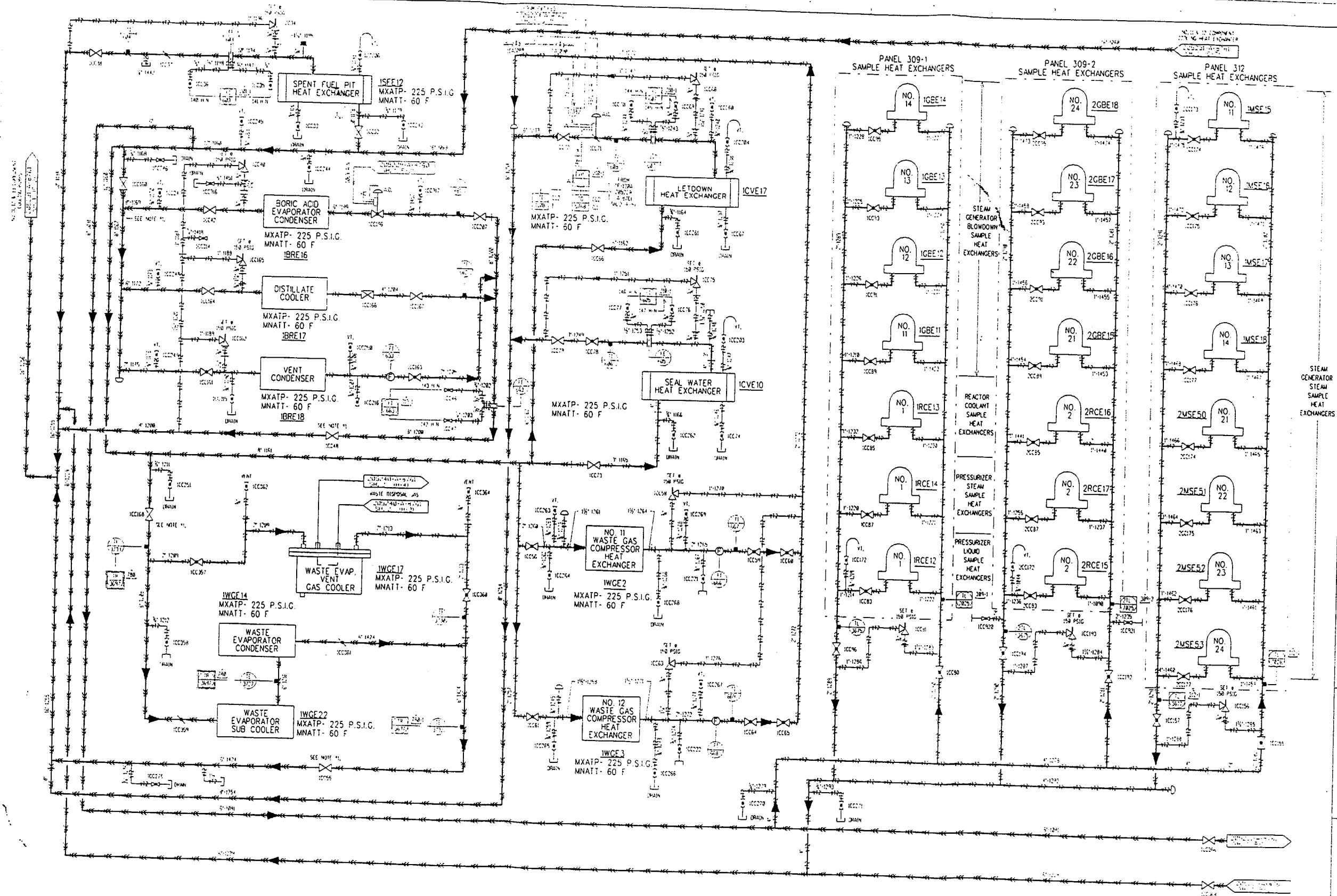
SH. 2

-0

| REVISION | |
|--|--|
| NO. 12 HOLD-UP TANK IS REMOVED IN PLACE. | NO. 12 HOLD-UP TANK IS REMOVED IN PLACE. |
| NO. 12 HOLD-UP TANK IS REMOVED IN PLACE. | NO. 12 HOLD-UP TANK IS REMOVED IN PLACE. |
| NO. 12 HOLD-UP TANK IS REMOVED IN PLACE. | NO. 12 HOLD-UP TANK IS REMOVED IN PLACE. |



SALEM NUCLEAR GENERATING STATION
NO LIMIT
COMPONENT COLDING
SERVICE INSPECT BOUND DIAG
PSEG NUCLEAR, LLC.



NOTE:
1. THIS DIAGRAM IS A SUMMARY OF THE INFORMATION CONTAINED IN THE FOLLOWING DOCUMENTS:
a. SALEM NUCLEAR GENERATING STATION, UNIT 1, COMPONENT COOLING IN-SERVICE INSPECTION BOUND DIAGRAM, PSEG NUCLEAR, L.L.C., 1995/10/10, REV. 44
b. SALEM NUCLEAR GENERATING STATION, UNIT 1, COMPONENT COOLING IN-SERVICE INSPECTION BOUND DIAGRAM, PSEG NUCLEAR, L.L.C., 1995/10/10, REV. 44
c. SALEM NUCLEAR GENERATING STATION, UNIT 1, COMPONENT COOLING IN-SERVICE INSPECTION BOUND DIAGRAM, PSEG NUCLEAR, L.L.C., 1995/10/10, REV. 44

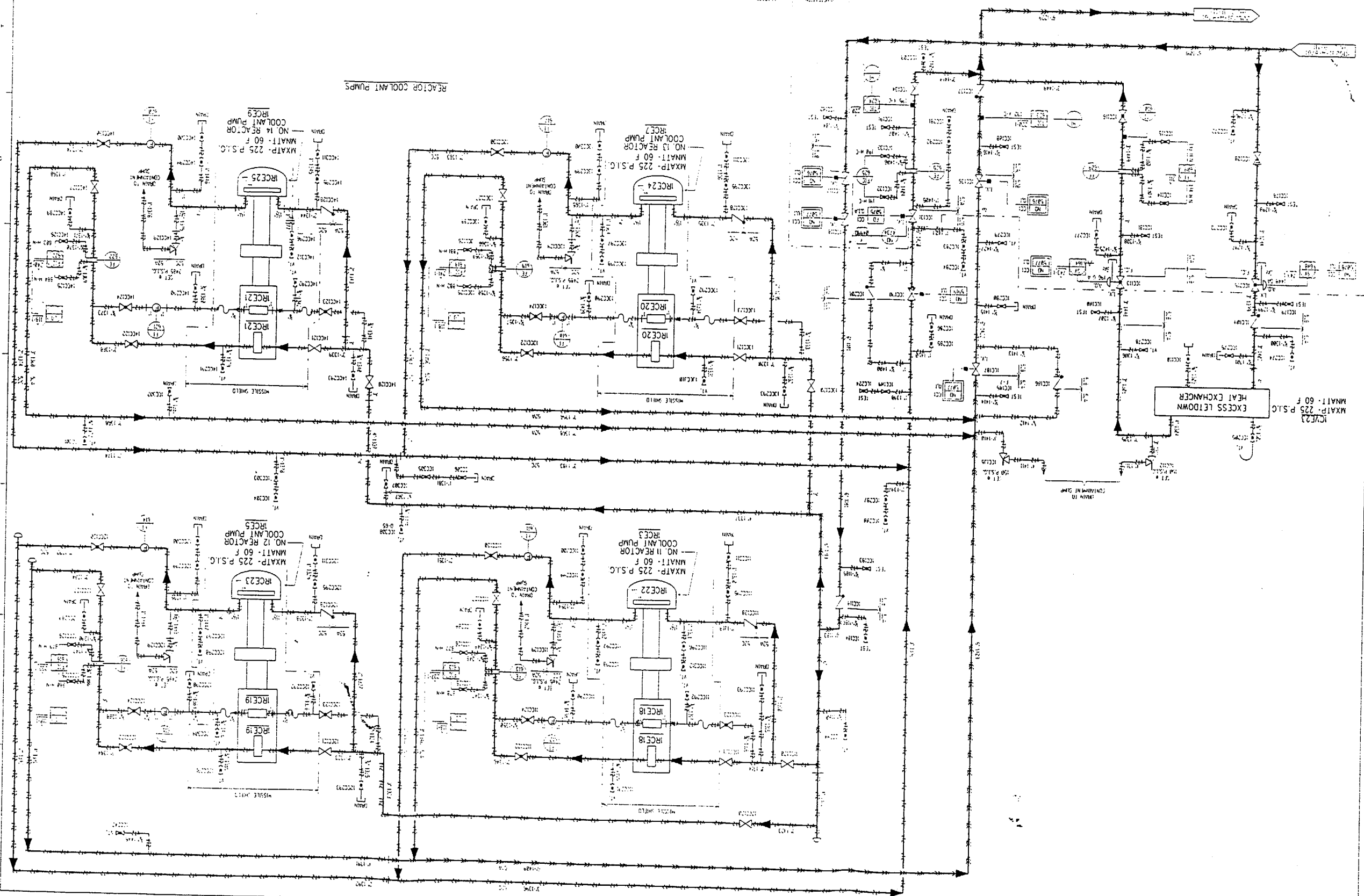
| REVISION | DESCRIPTION | DATE |
|----------|---|----------|
| 1 | ISSUED FOR UNIT 1 IN-SERVICE INSPECTION | 10/10/95 |
| 2 | ORIGINAL ISSUE (CORRECTIONS) | 10/10/95 |
| 3 | REVISION | 10/10/95 |

| IN-SERVICE INSPECTION LEGEND NOTES | |
|------------------------------------|--------|
| NOE | NOE |
| V12 | V12 |
| AE-V1 | AE-V1 |
| HPSE1 | HPSE1 |
| AE/NOE | AE/NOE |

SALEM NUCLEAR GENERATING STATION
NO. 1 UNIT
COMPONENT COOLING
IN-SERVICE INSPECTION BOUND DIAGRAM
PSEG NUCLEAR, L.L.C.
IN-SERVICE INSPECTION BOUND DIAGRAM
DATE: 10/10/95
REFERENCES: P & ID: 205231, SH. 2 - REV. 44
603231-157

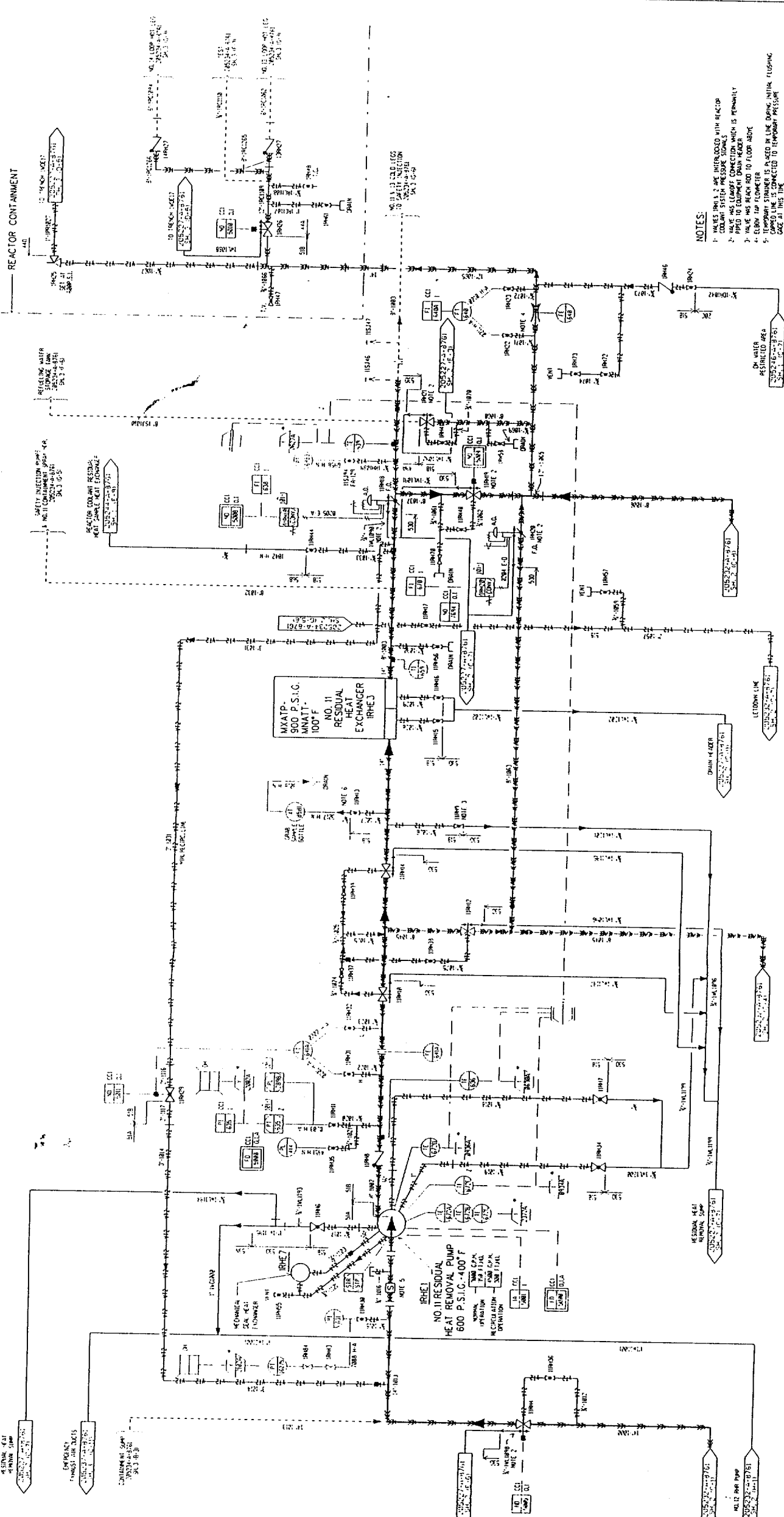
[illegible]

REACTOR COOLANT PUMPS



NOTE:
1. The following are the
names of the persons who
are the authors of the
papers in this volume.

| | | |
|----------------|----------|----------|
| REVISION | DATE | BY |
| ORIGINAL ISSUE | 10/10/00 | 10/10/00 |
| REVISION | 10/10/00 | 10/10/00 |



NOTES:

1. VALVES 1001, 1002 ARE INTERLOCKED WITH REACTOR COOLANT SYSTEM PRESSURE SIGNALS.
2. VALVE 1003 IS INTERLOCKED WITH REACTOR COOLANT SYSTEM PRESSURE SIGNALS.
3. VALVE 1004 IS INTERLOCKED WITH REACTOR COOLANT SYSTEM PRESSURE SIGNALS.
4. VALVE 1005 IS INTERLOCKED WITH REACTOR COOLANT SYSTEM PRESSURE SIGNALS.
5. VALVE 1006 IS INTERLOCKED WITH REACTOR COOLANT SYSTEM PRESSURE SIGNALS.
6. VALVE 1007 IS INTERLOCKED WITH REACTOR COOLANT SYSTEM PRESSURE SIGNALS.
7. VALVE 1008 IS INTERLOCKED WITH REACTOR COOLANT SYSTEM PRESSURE SIGNALS.
8. VALVE 1009 IS INTERLOCKED WITH REACTOR COOLANT SYSTEM PRESSURE SIGNALS.
9. VALVE 1010 IS INTERLOCKED WITH REACTOR COOLANT SYSTEM PRESSURE SIGNALS.
10. VALVE 1011 IS INTERLOCKED WITH REACTOR COOLANT SYSTEM PRESSURE SIGNALS.
11. VALVE 1012 IS INTERLOCKED WITH REACTOR COOLANT SYSTEM PRESSURE SIGNALS.
12. VALVE 1013 IS INTERLOCKED WITH REACTOR COOLANT SYSTEM PRESSURE SIGNALS.

| BOUNDARY | DESIGN CLASSIFICATION | | | QUALITY ASSUR. |
|----------|-----------------------|---------|---------|----------------|
| | SAFETY RELATED | SEISMIC | NUCLEAR | |
| 1-2000 | NO | NO | NO | NO |
| 2-2000 | NO | NO | NO | NO |
| 3-2000 | NO | NO | NO | NO |
| 4-2000 | NO | NO | NO | NO |
| 5-2000 | NO | NO | NO | NO |
| 6-2000 | NO | NO | NO | NO |
| 7-2000 | NO | NO | NO | NO |
| 8-2000 | NO | NO | NO | NO |
| 9-2000 | NO | NO | NO | NO |
| 10-2000 | NO | NO | NO | NO |
| 11-2000 | NO | NO | NO | NO |
| 12-2000 | NO | NO | NO | NO |
| 13-2000 | NO | NO | NO | NO |
| 14-2000 | NO | NO | NO | NO |
| 15-2000 | NO | NO | NO | NO |
| 16-2000 | NO | NO | NO | NO |
| 17-2000 | NO | NO | NO | NO |
| 18-2000 | NO | NO | NO | NO |
| 19-2000 | NO | NO | NO | NO |
| 20-2000 | NO | NO | NO | NO |

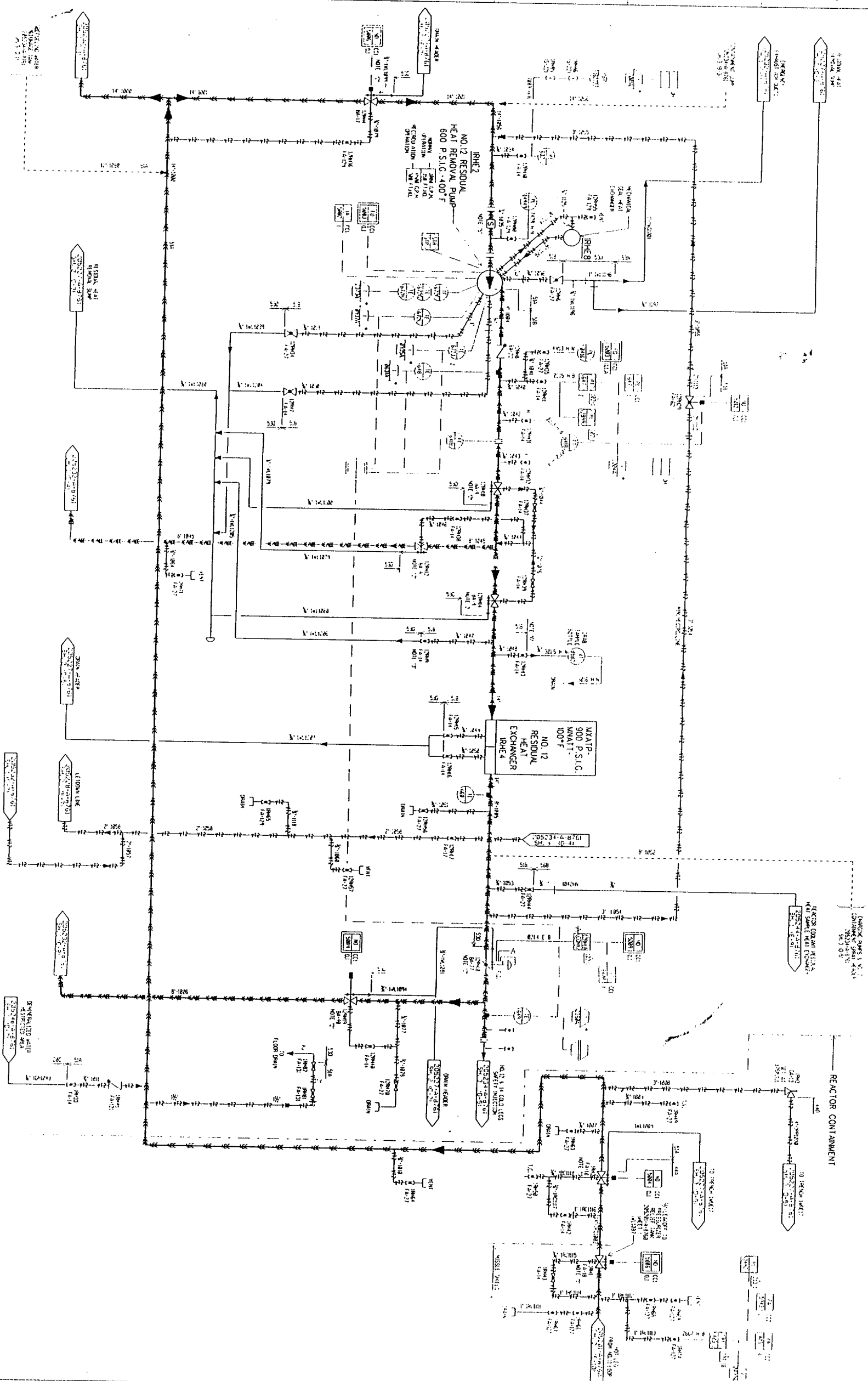
NOTE: 1. VALVE 1001 IS INTERLOCKED WITH REACTOR COOLANT SYSTEM PRESSURE SIGNALS.

| BOUNDARY | DESIGN CLASSIFICATION | | | QUALITY ASSUR. |
|----------|-----------------------|---------|---------|----------------|
| | SAFETY RELATED | SEISMIC | NUCLEAR | |
| 1-2000 | NO | NO | NO | NO |
| 2-2000 | NO | NO | NO | NO |
| 3-2000 | NO | NO | NO | NO |
| 4-2000 | NO | NO | NO | NO |
| 5-2000 | NO | NO | NO | NO |
| 6-2000 | NO | NO | NO | NO |
| 7-2000 | NO | NO | NO | NO |
| 8-2000 | NO | NO | NO | NO |
| 9-2000 | NO | NO | NO | NO |
| 10-2000 | NO | NO | NO | NO |
| 11-2000 | NO | NO | NO | NO |
| 12-2000 | NO | NO | NO | NO |
| 13-2000 | NO | NO | NO | NO |
| 14-2000 | NO | NO | NO | NO |
| 15-2000 | NO | NO | NO | NO |
| 16-2000 | NO | NO | NO | NO |
| 17-2000 | NO | NO | NO | NO |
| 18-2000 | NO | NO | NO | NO |
| 19-2000 | NO | NO | NO | NO |
| 20-2000 | NO | NO | NO | NO |

NOTE: 1. VALVE 1001 IS INTERLOCKED WITH REACTOR COOLANT SYSTEM PRESSURE SIGNALS.

| BOUNDARY | DESIGN CLASSIFICATION | | | QUALITY ASSUR. |
|----------|-----------------------|---------|---------|----------------|
| | SAFETY RELATED | SEISMIC | NUCLEAR | |
| 1-2000 | NO | NO | NO | NO |
| 2-2000 | NO | NO | NO | NO |
| 3-2000 | NO | NO | NO | NO |
| 4-2000 | NO | NO | NO | NO |
| 5-2000 | NO | NO | NO | NO |
| 6-2000 | NO | NO | NO | NO |
| 7-2000 | NO | NO | NO | NO |
| 8-2000 | NO | NO | NO | NO |
| 9-2000 | NO | NO | NO | NO |
| 10-2000 | NO | NO | NO | NO |
| 11-2000 | NO | NO | NO | NO |
| 12-2000 | NO | NO | NO | NO |
| 13-2000 | NO | NO | NO | NO |
| 14-2000 | NO | NO | NO | NO |
| 15-2000 | NO | NO | NO | NO |
| 16-2000 | NO | NO | NO | NO |
| 17-2000 | NO | NO | NO | NO |
| 18-2000 | NO | NO | NO | NO |
| 19-2000 | NO | NO | NO | NO |
| 20-2000 | NO | NO | NO | NO |

NOTE: 1. VALVE 1001 IS INTERLOCKED WITH REACTOR COOLANT SYSTEM PRESSURE SIGNALS.



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| NOTE: "C" MEANS "C" IS A "C" IN THE "C" IS A "C" IN THE "C" IS A "C" IN THE | 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 |
| NOTE: "C" MEANS "C" IS A "C" IN THE "C" IS A "C" IN THE "C" IS A "C" IN THE | 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 |
| NOTE: "C" MEANS "C" IS A "C" IN THE "C" IS A "C" IN THE "C" IS A "C" IN THE | 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 |
| NOTE: "C" MEANS "C" IS A "C" IN THE "C" IS A "C" IN THE "C" IS A "C" IN THE | 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 |
| NOTE: "C" MEANS "C" IS A "C" IN THE "C" IS A "C" IN THE "C" IS A "C" IN THE | 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 |
| NOTE: "C" MEANS "C" IS A "C" IN THE "C" IS A "C" IN THE "C" IS A "C" IN THE | 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 |
| NOTE: "C" MEANS "C" IS A "C" IN THE "C" IS A "C" IN THE "C" IS A "C" IN THE | 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 |
| NOTE: "C" MEANS "C" IS A "C" IN THE "C" IS A "C" IN THE "C" IS A "C" IN THE | 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 |
| NOTE: "C" MEANS "C" IS A "C" IN THE "C" IS A "C" IN THE "C" IS A "C" IN THE | 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 |
| NOTE: "C" MEANS "C" IS A "C" IN THE "C" IS A "C" IN THE "C" IS A "C" IN THE | 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 |
| NOTE: "C" MEANS "C" IS A "C" IN THE "C" IS A "C" IN THE "C" IS A "C" IN THE | 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 |
| NOTE: "C" MEANS "C" IS A "C" IN THE "C" IS A "C" IN THE "C" IS A "C" IN THE | 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 |
| NOTE: "C" MEANS "C" IS A "C" IN THE "C" IS A "C" IN THE "C" IS A "C" IN THE | 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 |
| NOTE: "C" MEANS "C" IS A "C" IN THE "C" IS A "C" IN THE "C" IS A "C" IN THE | 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 |
| NOTE: "C" MEANS "C" IS A "C" IN THE "C" IS A "C" IN THE "C" IS A "C" IN THE | 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 |
| NOTE: "C" MEANS "C" IS A "C" IN THE "C" IS A "C" IN THE "C" IS A "C" IN THE | 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 |
| NOTE: "C" MEANS "C" IS A "C" IN THE "C" IS A "C" IN THE "C" IS A "C" IN THE | 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 |
| NOTE: "C" MEANS "C" IS A "C" IN THE "C" IS A "C" IN THE "C" IS A "C" IN THE | 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 |
| NOTE: "C" MEANS "C" IS A "C" IN THE "C" IS A "C" IN THE "C" IS A "C" IN THE | 11 | 12 | 13 | 14 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

[illegible]

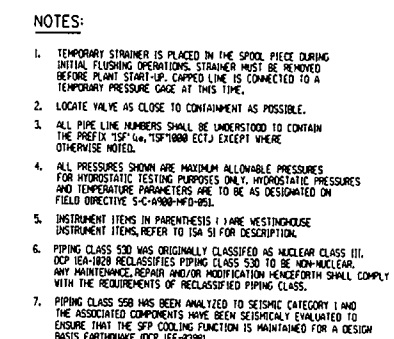
SALEM NUCLEAR GENERATING STATION

NO. 1 UNIT

RESIDUAL HEAL REMOVAL IN-SERVICE INSPECT BOUND 2145

PSEG NUCLEAR, L.L.C.

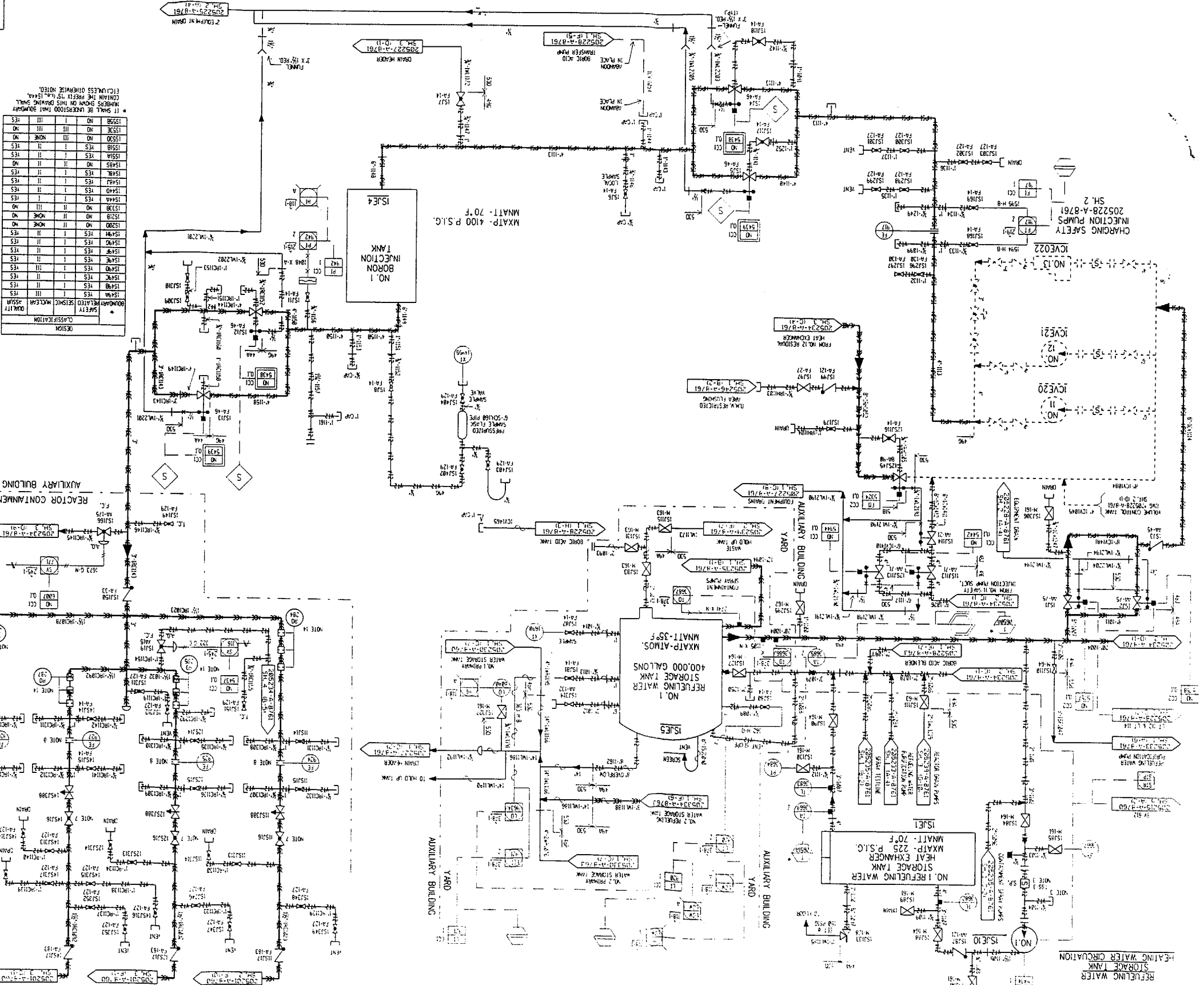
REFERENCED P & IO:205232. SH.2 - REV. 35



| IN-SERVICE INSPECTION LEGEND NOTES | | |
|------------------------------------|-------|--|
| NDE | NDE | NUCLEAR CLASS 1, 2 & 3 COMPONENTS AND THEIR ASSOCIATED COMPONENTS SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUME SURFACE, VISUAL, EXAMINATIONS (V1, V2, V1+V2, AND V1+JN) IN ACCORDANCE WITH ASME SECTION XI, 1995-96 ADDENDUM AND THE SALEM UNIT 1 ISI PROGRAM LONG TERM PLAN |
| V1/2 | V1/2 | NUCLEAR CLASS 1, 2 & 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL EXAMINATIONS (V1/2) IN ACCORDANCE WITH ASME SECTION XI, 1995-96 ADDENDUM AND THE SALEM UNIT 1 ISI PROGRAM LONG TERM PLAN |
| AE/V1 | | NUCLEAR CLASS 2 & 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO AUGMENTED VISUAL EXAMINATIONS (V1/2) |
| HP/SI | HP/SI | NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED COMPONENTS SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUME SURFACE AND VISUAL EXAMINATIONS (V1, V2, AND V1+V2) INCLUDED IN THE HIGH PRESSURE SAFETY INJECTION SYSTEM, ARE SUBJECT TO THE EXEMPTIONS OF INE-122101. |
| AE/INDE | | NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED COMPONENTS SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUME SURFACE AND VISUAL EXAMINATIONS (V1, V2, AND V1+V2) IN ACCORDANCE WITH THE 2nd INDE, ISI PROGRAM NUC SER |

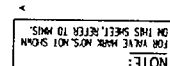
114K No. 004320 DES: C-F-2/CS18 & C-F-2/CS50.
SALEM NUCLEAR GENERATING STATION
NO. 1 UNIT
SPENT FUEL COOLING
IN-SERVICE INSPECT. BOUND. DIAG. THIRD YEAR INSPECTION INTERV.
PSEG NUCLEAR, L.I.C.
IN-SERVICE INSPECTION SPOKESMAN C.J. CONDON APPROVED LOUIS F. LAKE
DATE 12-16-87
MCA-SITE SERVICES PETER J. KUOLE
REFERENCED P & ID: 205233, SH-1 - REV. 25
603233-ISI -1

| CLASSIFICATION | RELATIONSHIP | PERCENTAGE | NUMBER OF CASES |
|----------------|--------------|------------|-----------------|
| 06 | 06 | 100 | 1 |
| 07 | 07 | 100 | 1 |
| 08 | 08 | 100 | 1 |
| 09 | 09 | 100 | 1 |
| 10 | 10 | 100 | 1 |
| 11 | 11 | 100 | 1 |
| 12 | 12 | 100 | 1 |
| 13 | 13 | 100 | 1 |
| 14 | 14 | 100 | 1 |
| 15 | 15 | 100 | 1 |
| 16 | 16 | 100 | 1 |
| 17 | 17 | 100 | 1 |
| 18 | 18 | 100 | 1 |
| 19 | 19 | 100 | 1 |
| 20 | 20 | 100 | 1 |
| 21 | 21 | 100 | 1 |
| 22 | 22 | 100 | 1 |
| 23 | 23 | 100 | 1 |
| 24 | 24 | 100 | 1 |
| 25 | 25 | 100 | 1 |
| 26 | 26 | 100 | 1 |
| 27 | 27 | 100 | 1 |
| 28 | 28 | 100 | 1 |
| 29 | 29 | 100 | 1 |
| 30 | 30 | 100 | 1 |
| 31 | 31 | 100 | 1 |
| 32 | 32 | 100 | 1 |
| 33 | 33 | 100 | 1 |
| 34 | 34 | 100 | 1 |
| 35 | 35 | 100 | 1 |
| 36 | 36 | 100 | 1 |
| 37 | 37 | 100 | 1 |
| 38 | 38 | 100 | 1 |
| 39 | 39 | 100 | 1 |
| 40 | 40 | 100 | 1 |
| 41 | 41 | 100 | 1 |
| 42 | 42 | 100 | 1 |
| 43 | 43 | 100 | 1 |
| 44 | 44 | 100 | 1 |
| 45 | 45 | 100 | 1 |
| 46 | 46 | 100 | 1 |
| 47 | 47 | 100 | 1 |
| 48 | 48 | 100 | 1 |
| 49 | 49 | 100 | 1 |
| 50 | 50 | 100 | 1 |
| 51 | 51 | 100 | 1 |
| 52 | 52 | 100 | 1 |
| 53 | 53 | 100 | 1 |
| 54 | 54 | 100 | 1 |
| 55 | 55 | 100 | 1 |
| 56 | 56 | 100 | 1 |
| 57 | 57 | 100 | 1 |
| 58 | 58 | 100 | 1 |
| 59 | 59 | 100 | 1 |
| 60 | 60 | 100 | 1 |
| 61 | 61 | 100 | 1 |
| 62 | 62 | 100 | 1 |
| 63 | 63 | 100 | 1 |
| 64 | 64 | 100 | 1 |
| 65 | 65 | 100 | 1 |
| 66 | 66 | 100 | 1 |
| 67 | 67 | 100 | 1 |
| 68 | 68 | 100 | 1 |
| 69 | 69 | 100 | 1 |
| 70 | 70 | 100 | 1 |
| 71 | 71 | 100 | 1 |
| 72 | 72 | 100 | 1 |
| 73 | 73 | 100 | 1 |
| 74 | 74 | 100 | 1 |
| 75 | 75 | 100 | 1 |
| 76 | 76 | 100 | 1 |
| 77 | 77 | 100 | 1 |
| 78 | 78 | 100 | 1 |
| 79 | 79 | 100 | 1 |
| 80 | 80 | 100 | 1 |
| 81 | 81 | 100 | 1 |
| 82 | 82 | 100 | 1 |
| 83 | 83 | 100 | 1 |
| 84 | 84 | 100 | 1 |
| 85 | 85 | 100 | 1 |
| 86 | 86 | 100 | 1 |
| 87 | 87 | 100 | 1 |
| 88 | 88 | 100 | 1 |
| 89 | 89 | 100 | 1 |
| 90 | 90 | 100 | 1 |
| 91 | 91 | 100 | 1 |
| 92 | 92 | 100 | 1 |
| 93 | 93 | 100 | 1 |
| 94 | 94 | 100 | 1 |
| 95 | 95 | 100 | 1 |
| 96 | 96 | 100 | 1 |
| 97 | 97 | 100 | 1 |
| 98 | 98 | 100 | 1 |
| 99 | 99 | 100 | 1 |
| 100 | 100 | 100 | 1 |

[illegible]

| REV | DATE | DESCRIPTION | BY | HOW | WHY |
|-----|----------|-------------------|-----|-----|-----|
| 1 | 10-18-18 | SEE NOTE 10-18-18 | | | |
| 2 | 10-18-18 | ORIGINAL ISSUE | S08 | CJC | UFL |

NOTE:
FOR VALUE PROS, NOS. NOT SHOWN
ON THIS SHEET, REFER TO NOS.



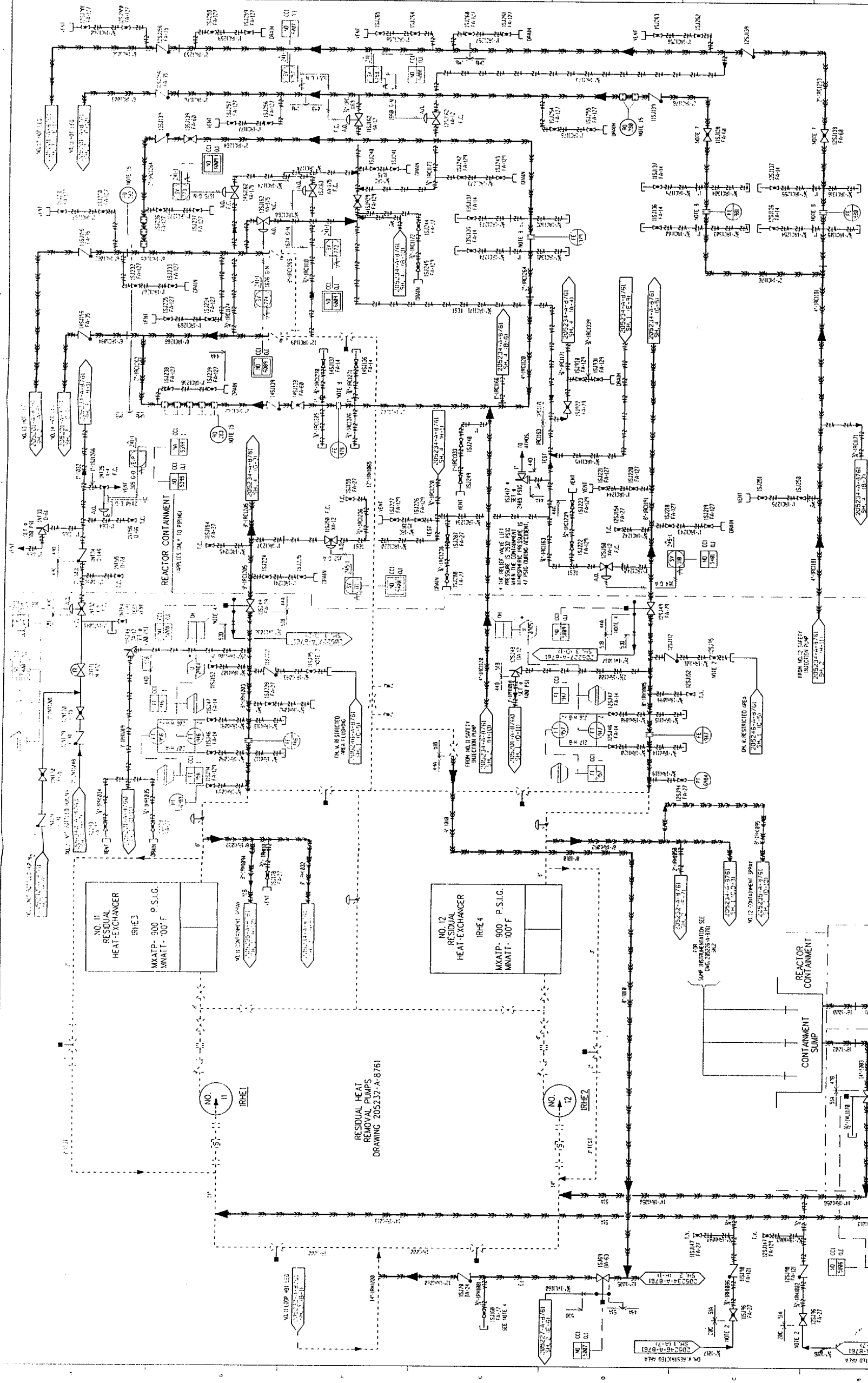
NOTE:
FOR VALUE MARK NOS. NOT SHOWN
ON THIS SHEET, REFER TO THIS.

| | | | |
|---|---------|----|---------------------------|
| NOTE "A" - REV. 1 REVISED PER ORDER NO. 89080108 | | | |
| REVISION | | | |
| REV | DATE | BY | DESCRIPTION |
| 1 | | | SEE NOTE "A" - (A-1) S08 |
| 2 | 8/17/77 | | ORIGINAL ISSUE S08-C1C1FL |

| | | | |
|---|---------|----|---------------------------|
| NOTE "A" - REV. 1 REVISED PER ORDER NO. 89080108 | | | |
| REVISION | | | |
| REV | DATE | BY | DESCRIPTION |
| 1 | | | SEE NOTE "A" - (A-1) S08 |
| 2 | 8/17/77 | | ORIGINAL ISSUE S08-C1C1FL |

| | | | |
|---|---------|----|---------------------------|
| NOTE "A" - REV. 1 REVISED PER ORDER NO. 89080108 | | | |
| REVISION | | | |
| REV | DATE | BY | DESCRIPTION |
| 1 | | | SEE NOTE "A" - (A-1) S08 |
| 2 | 8/17/77 | | ORIGINAL ISSUE S08-C1C1FL |

| | | | |
|---|---------|----|---------------------------|
| NOTE "A" - REV. 1 REVISED PER ORDER NO. 89080108 | | | |
| REVISION | | | |
| REV | DATE | BY | DESCRIPTION |
| 1 | | | SEE NOTE "A" - (A-1) S08 |
| 2 | 8/17/77 | | ORIGINAL ISSUE S08-C1C1FL |

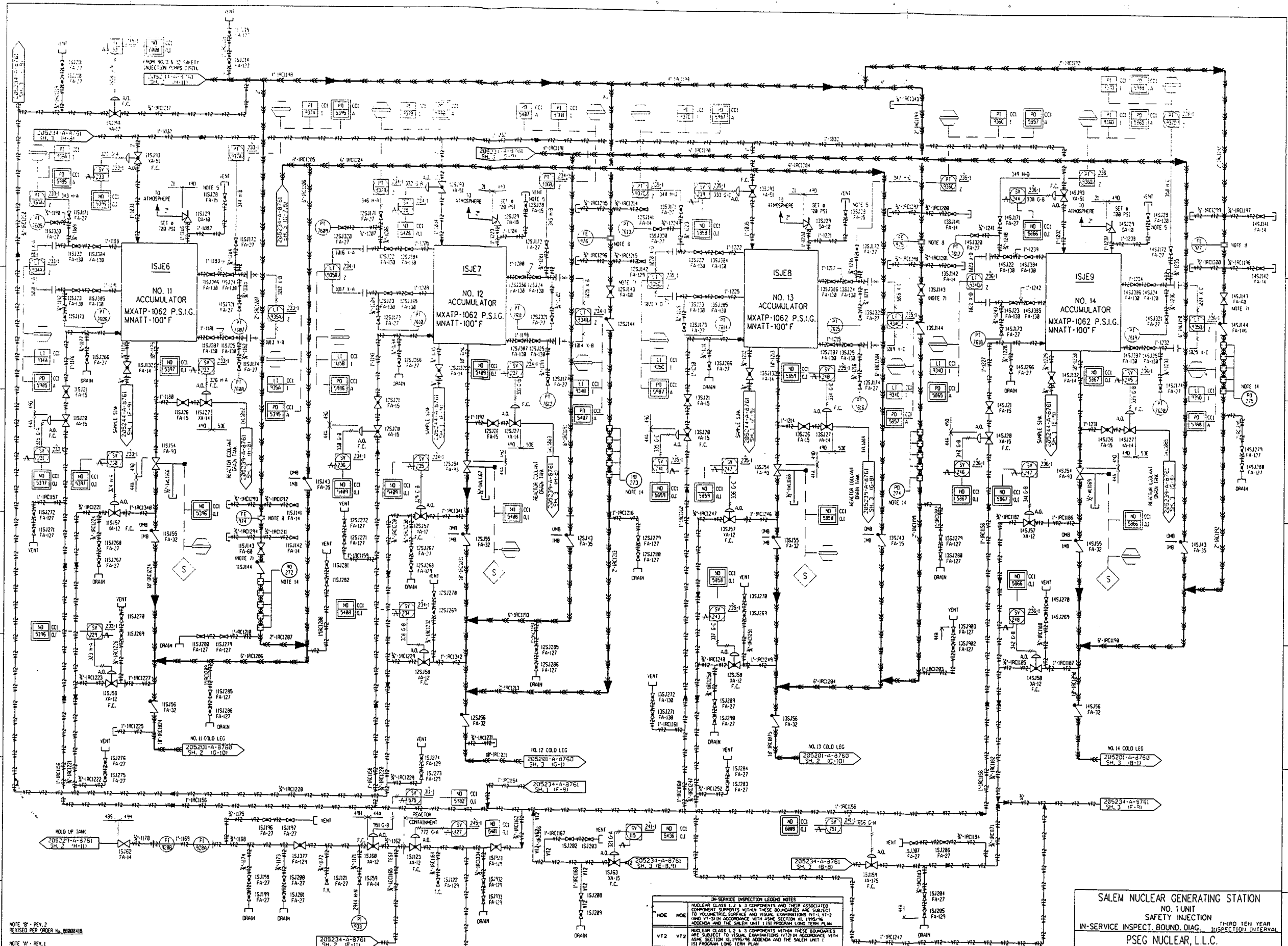


| IN-SERVICE INSPECTION LEGEND NOTES | |
|------------------------------------|--|
| NOE | NUCLEAR CLASS 1, 2, 3 COMPONENTS AND THEIR ASSOCIATED SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL INSPECTION AND VISUAL EXAMINATIONS AT THE NEXT INSPECTION INTERVAL. |
| VT2 | NUCLEAR CLASS 1, 2, 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL INSPECTION AND VISUAL EXAMINATIONS AT THE NEXT INSPECTION INTERVAL. |
| NE/VT | NUCLEAR CLASS 1, 2, 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL INSPECTION AND VISUAL EXAMINATIONS AT THE NEXT INSPECTION INTERVAL. |
| NP/ST | NUCLEAR CLASS 1, 2, 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL INSPECTION AND VISUAL EXAMINATIONS AT THE NEXT INSPECTION INTERVAL. |
| RE/NE | NUCLEAR CLASS 1, 2, 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL INSPECTION AND VISUAL EXAMINATIONS AT THE NEXT INSPECTION INTERVAL. |

SALEM NUCLEAR GENERATING STATION
NO. 1 UNIT
SAFETY INJECTION
IN-SERVICE INSPECT. BOUND. DIAG.
PSEG NUCLEAR, L.L.C.
INSPECTION PERSON: J. J. CONNOR, APPROVED: LOUIS J. LANE
DATE: 12-16-97
REVISION: P & ID: 205234-SI-1
SH 3

| REVISION | |
|----------|------------------------|
| 1 | SEE NOTE 2 - (A-1) (S) |
| 2 | ORIGINAL ISSUE |
| 3 | REVISION |

NOTE: 1. SEE SHEET 205234-SI-2 FOR CONTAINMENT SUMP ROOM DETAILS.
2. SEE SHEET 205234-SI-3 FOR CONTAINMENT SUMP ROOM DETAILS.



NOTE: FOR THIS DRAWING, NO. 1 UNIT IS SHOWN IN THE BOUNDARY OF NO. 1 UNIT.

REVISION

| NO. | DESCRIPTION | DATE |
|-----|---------------------------|---------|
| 1 | SEE NOTE "B" - (A-11) SUB | 10/1/78 |
| 2 | SEE NOTE "B" - (A-11) SUB | 10/1/78 |

IN-SERVICE INSPECTION LEGEND NOTES

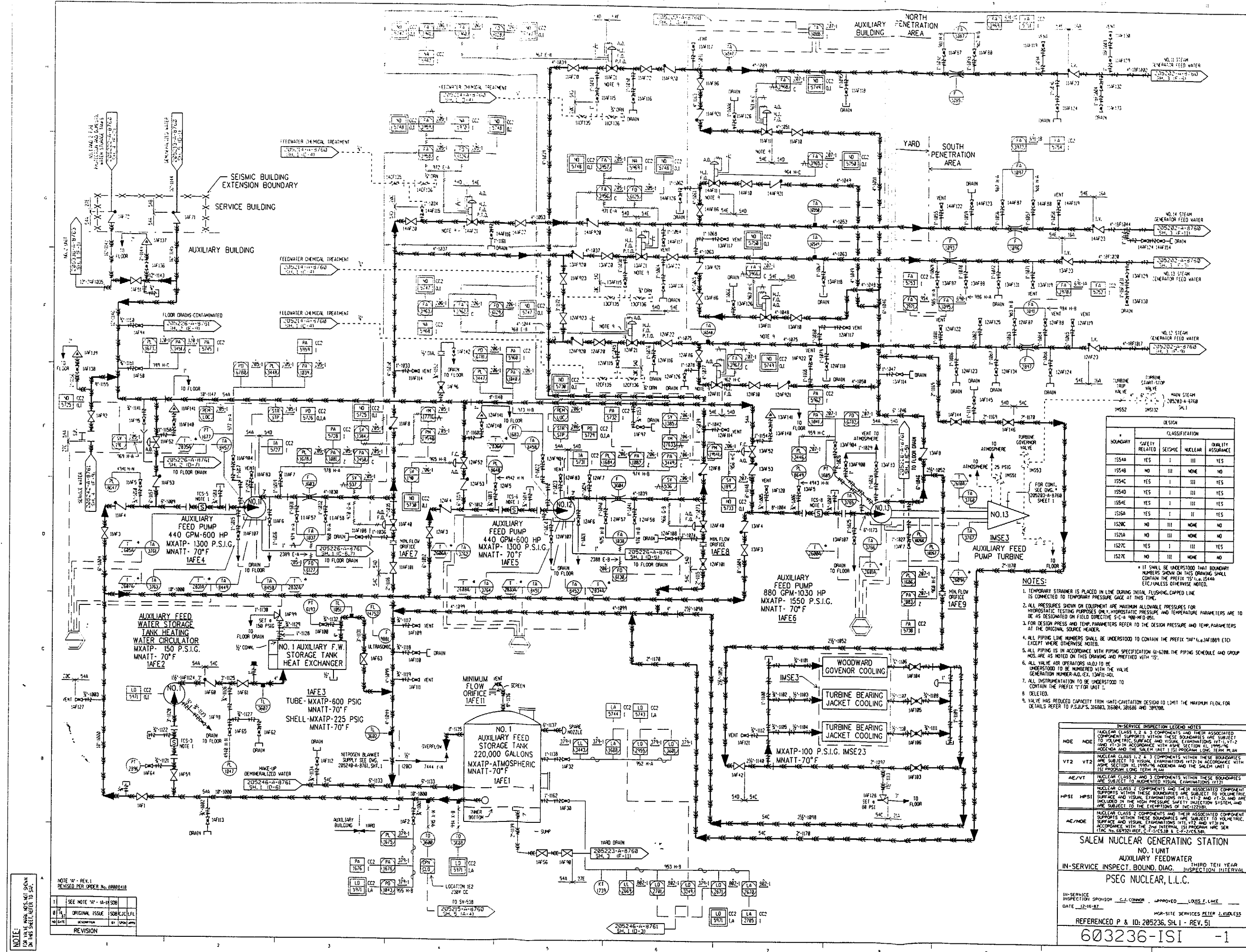
| NO. | NO. | DESCRIPTION |
|--------|--------|---|
| VT2 | VT2 | NUCLEAR CLASS 2 AND 3 COMPONENTS AND THEIR ASSOCIATED SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL, SURFACE AND VOLUME EXAMINATIONS (VT-1, VT-2 AND VT-3) IN ACCORDANCE WITH THE INSPECTION PROGRAM LONG TERM PLAN. |
| AE/VT | AE/VT | NUCLEAR CLASS 2 AND 3 COMPONENTS WITHIN THESE BOUNDARIES ARE SUBJECT TO AUGMENTED VISUAL EXAMINATIONS (AE/VT). |
| HP/ST | HP/ST | NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL, SURFACE AND VOLUME 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 10CFR170.11. |
| AE/NOE | AE/NOE | NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VISUAL, SURFACE AND VOLUME 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 10CFR170.11. |

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: J. J. CONNER APPROVED: LOUIS F. LACE
DATE: 12-16-97 HON. SITE SERVICES: PETER J. KULEZES

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

603234-ISI -2



| CLASSIFICATION | | | | |
|----------------|----------------|---------|-------|-------------------|
| BOUNDARY | SAFETY RELATED | SEISMIC | MICRO | QUALITY ASSURANCE |
| 1554A | YES | I | III | YES |
| 1554B | YES | I | III | NO |
| 1554C | YES | I | III | YES |
| 1554D | YES | I | III | YES |
| 1554E | YES | I | III | YES |
| 1554F | YES | I | III | YES |
| 1554G | YES | I | III | YES |
| 1554H | YES | I | III | YES |
| 1554I | YES | I | III | YES |
| 1554J | YES | I | III | YES |
| 1554K | YES | I | III | YES |
| 1554L | YES | I | III | YES |
| 1554M | YES | I | III | YES |
| 1554N | YES | I | III | YES |
| 1554O | YES | I | III | YES |
| 1554P | YES | I | III | YES |
| 1554Q | YES | I | III | YES |
| 1554R | YES | I | III | YES |
| 1554S | YES | I | III | YES |
| 1554T | YES | I | III | YES |
| 1554U | YES | I | III | YES |
| 1554V | YES | I | III | YES |
| 1554W | YES | I | III | YES |
| 1554X | YES | I | III | YES |
| 1554Y | YES | I | III | YES |
| 1554Z | YES | I | III | YES |

- NOTES:
- TEMPORARY STRAINER IS PLACED IN LINE DURING INITIAL FLUSHING. CAPED 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 DESIGNATED ON FIELD DIRECTIVE S-C-A-100-M-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 707-1-10000 ETC. EXCEPT WHERE OTHERWISE NOTED.
 - ALL PIPING IS IN ACCORDANCE WITH PIPING SPECIFICATION 61-6208. THE PIPING SCHEDULE AND GROUP NOS. ARE AS NOTED ON THIS DRAWING AND PREFIXED WITH 707.
 - ALL VALVE AIR OPERATORS (A.O.) TO BE UNDERSTOOD TO BE NUMBERED WITH THE VALVE GENERATION NUMBER A.O. EX. 13471-A.O.
 - ALL INSTRUMENTATION TO BE UNDERSTOOD TO CONTAIN THE PREFIX 707 FOR UNIT 1.
 - DELETED.
 - VALVE HAS REDUCED CAPACITY FROM 100% CHITATION DESIGN TO LIMIT THE MAXIMUM FLOW, FOR DETAILS REFER TO P.S.D.P.S. 316883, 316884, 316885 AND 316886.

| IN-SERVICE INSPECTION LEGEND NOTES | |
|------------------------------------|--|
| NOE | NO. 1 AUXILIARY FEEDWATER STORAGE TANK |
| VT2 | VT2 |
| AE/VT | AE/VT |
| HP/ST | HP/ST |
| AE/NOE | AE/NOE |

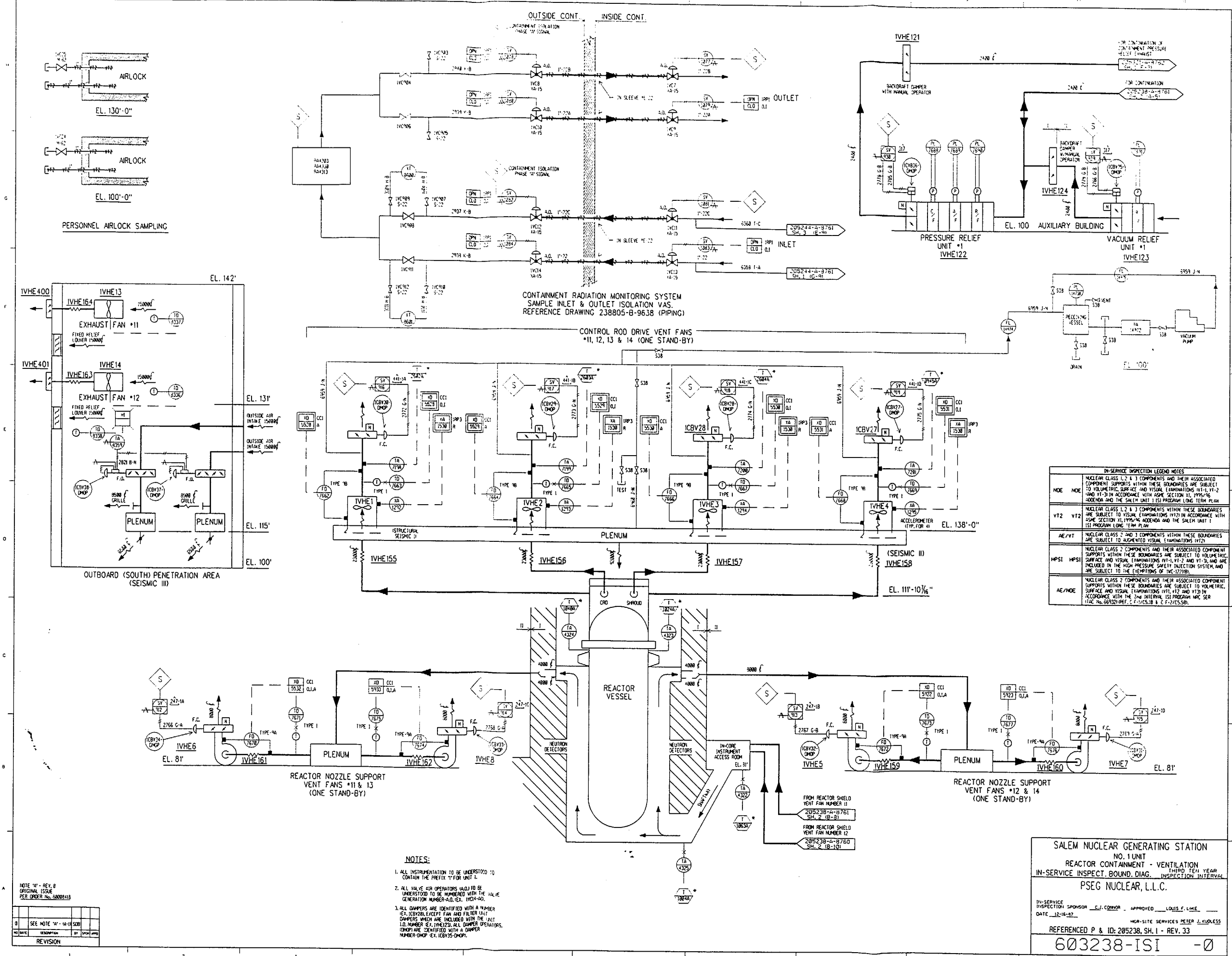
SALEM NUCLEAR GENERATING STATION
NO. 1 UNIT
AUXILIARY FEEDWATER
IN-SERVICE INSPECT. BOUND. DIAG. INSPECTION INTERVAL
PSEG NUCLEAR, L.L.C.

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

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

NOTE: FOR MAX. WORK NOT SHOWN ON THIS SHEET, REFER TO S.C.

| REVISION | |
|----------|--------------------------|
| 1 | SEE NOTE 10 - (A) - 1500 |
| 2 | ORIGINAL ISSUE |
| 3 | DATE |
| 4 | DESCRIPTION |



| 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 (V1-V12) AND V1-V12 IN ACCORDANCE WITH ASME SECTION XI, 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 (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 ACCELERATED VISUAL EXAMINATIONS (V12) |
| HP/ST | NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (V1-V12) AND V1-V12 AND ARE INCLUDED IN THE HIGH PRESSURE SAFETY INJECTION SYSTEM, AND ARE SUBJECT TO THE REQUIREMENTS OF 10CFR50.55 |
| AE/NOE | 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 12-MONTH INTERVAL ISI PROGRAM AND SER 174C NO. 603238-1, 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 |

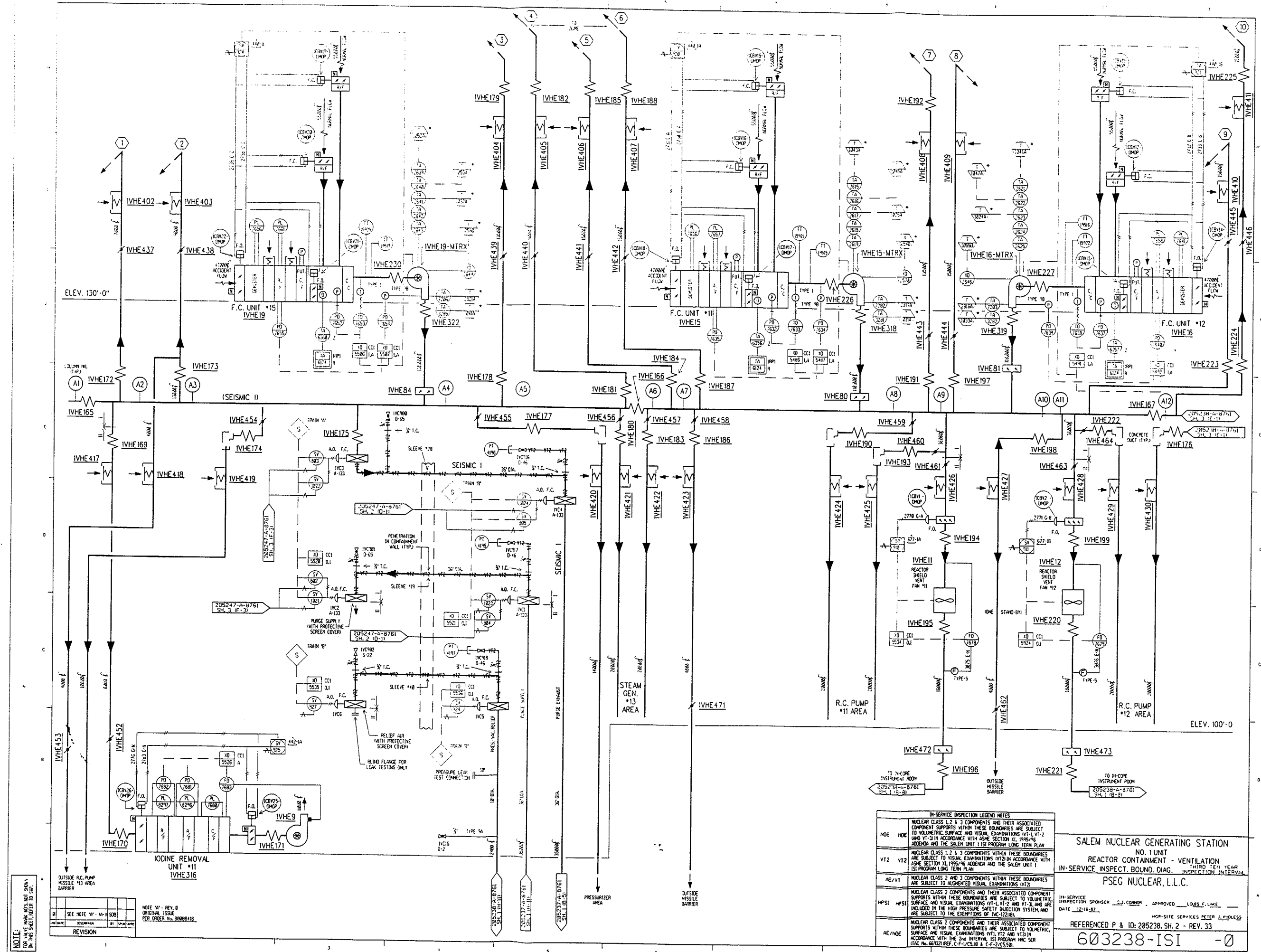
- NOTES:
1. ALL INSTRUMENTATION TO BE UNDERSTOOD TO CONTAIN THE PREFIX "I" FOR UNIT 1.
 2. ALL VALVE AIR OPERATORS (AO) TO BE UNDERSTOOD TO BE NUMBERED WITH THE VALVE GENERATION NUMBER-AO, EX. IVCA-40.
 3. ALL DAMPERS ARE IDENTIFIED WITH A NUMBER (EX. ICBV28) EXCEPT FAN AND FILTER UNIT DAMPERS WHICH ARE INCLUDED WITH THE UNIT I.D. NUMBER EX. IVHE123. ALL DAMPER OPERATORS, EXCEPT ARE IDENTIFIED WITH A DAMPER NUMBER-DAMP, EX. ICBV35-DAMP.

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. CONWAY
APPROVED: LOUIS F. LONE
DATE: 12-18-87
MGR-SITE SERVICES: PETER J. KULLOESS

REFERENCED P & ID: 205238, SH. 1 - REV. 33
603238-ISI - 0

| REVISION | |
|----------|--------------------------|
| 1 | SEE NOTE "A" - 14-11-500 |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |
| 7 | |
| 8 | |
| 9 | |
| 10 | |



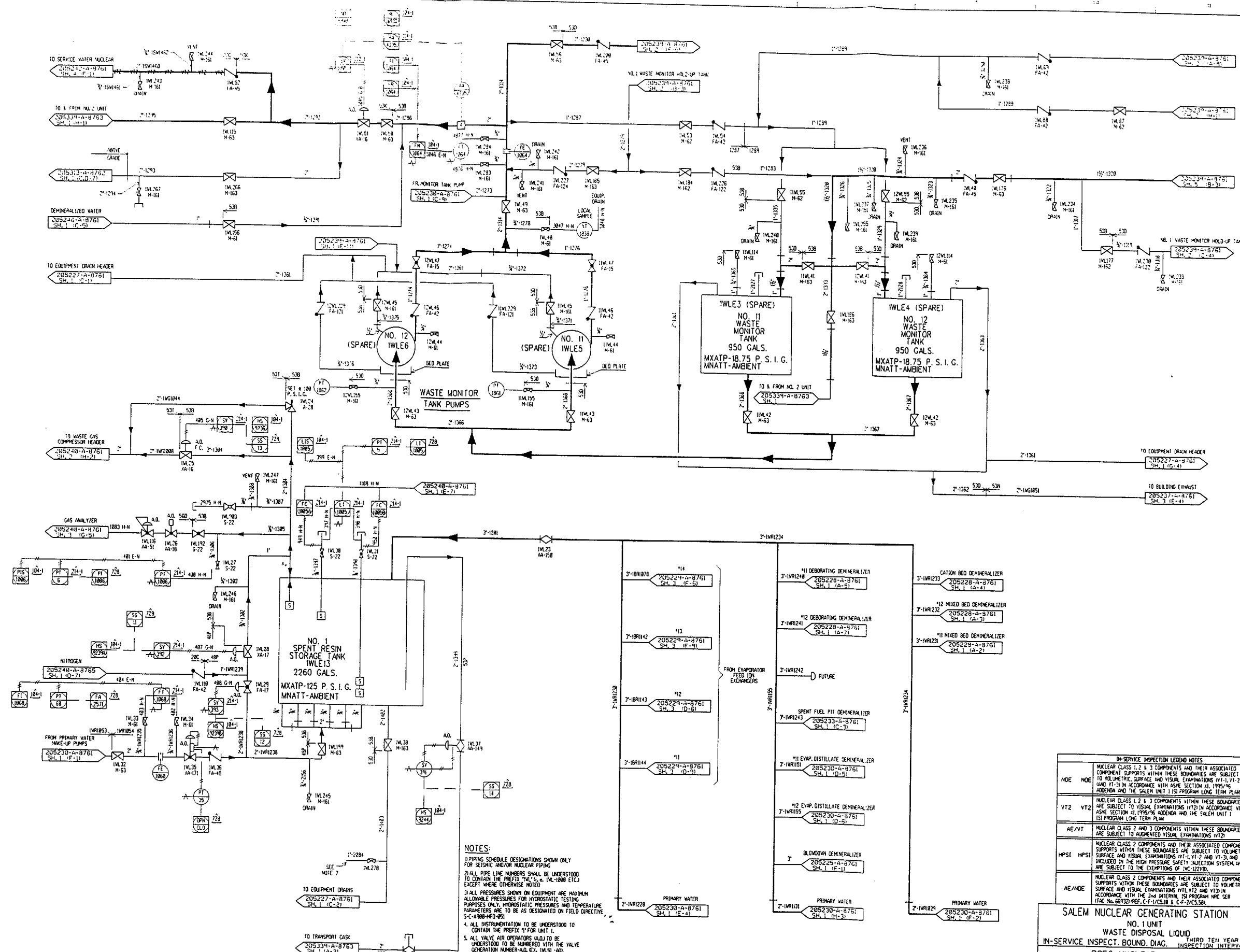
NOTE:
FOR USE OF WORK ARE NOT SHOWN
ON THIS SHEET, REFER TO SET.

| REVISION | DATE | BY | CHKD | APPD |
|----------|----------|----------|------|------|
| 1 | 10/14/80 | W. H. S. | | |
| 2 | 10/14/80 | W. H. S. | | |
| 3 | 10/14/80 | W. H. S. | | |
| 4 | 10/14/80 | W. H. S. | | |
| 5 | 10/14/80 | W. H. S. | | |
| 6 | 10/14/80 | W. H. S. | | |
| 7 | 10/14/80 | W. H. S. | | |
| 8 | 10/14/80 | W. H. S. | | |
| 9 | 10/14/80 | W. H. S. | | |
| 10 | 10/14/80 | W. H. S. | | |

NOTE: "W" - REV. 8
ORIGINAL ISSUE
REV. 8 (REV. 8) 10/14/80

| NOE | NOE | NOE | NOE | NOE | NOE |
|-----|-----|-----|-----|-----|-----|
| VT2 | VT2 | VT2 | VT2 | VT2 | VT2 |
| VT2 | VT2 | VT2 | VT2 | VT2 | VT2 |
| VT2 | VT2 | VT2 | VT2 | VT2 | VT2 |
| VT2 | VT2 | VT2 | VT2 | VT2 | VT2 |
| VT2 | VT2 | VT2 | VT2 | VT2 | VT2 |
| VT2 | VT2 | VT2 | VT2 | VT2 | VT2 |
| VT2 | VT2 | VT2 | VT2 | VT2 | VT2 |
| VT2 | VT2 | VT2 | VT2 | VT2 | VT2 |
| VT2 | VT2 | VT2 | VT2 | VT2 | VT2 |

SALEM NUCLEAR GENERATING STATION
NO. 1 UNIT
REACTOR CONTAINMENT - VENTILATION
IN-SERVICE INSPECT. BOUND. DIAG. THIRD YEAR
PSEG NUCLEAR, L.L.C.
IN-SERVICE INSPECTION SPONSOR: J. J. CORNER, APPROVED: LOUIS F. LIME
DATE: 12/16/87
HWP-SITE SERVICES PETER J. KUDLINSKI
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 "W" (W-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-900-100-051.
4. ALL INSTRUMENTATION TO BE UNDERSTOOD TO CONTAIN THE PREFIX "T" FOR UNIT 1.
5. ALL VALVE AIR OPERATORS (A.O.) TO BE UNDERSTOOD TO BE NUMBERED WITH THE VALVE GENERATION NUMBER-A.O. EX. IWL51-A.O.
6. PIPING CLASS 530 WAS ORIGINALLY CLASSIFIED AS NUCLEAR CLASS III. ICP TEAM 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 "B" (B-1) IS IN PLACE.
8. IWL415, IWL416, IWL417 & IWL418 RELIEF VALVES CATEGORY IS NUCLEAR CLASS II, SEISMIC CLASS I AND SAFETY RELATED.
9. TEMPORARY STRAINER TO BE PLACED IN SPOD. PIECE DURING INITIAL FLUSHING OPERATION. STRAINER MUST BE REMOVED BEFORE PLANT START UP.

NOTE: FOR VALVE MARKING, SEE SH-1 OF 311 ON THIS SHEET, REFER TO THIS.

| REVISION | DATE | DESCRIPTION |
|----------|----------|----------------|
| 1 | 12-16-87 | ORIGINAL ISSUE |
| 2 | 12-16-87 | REVISED |

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.

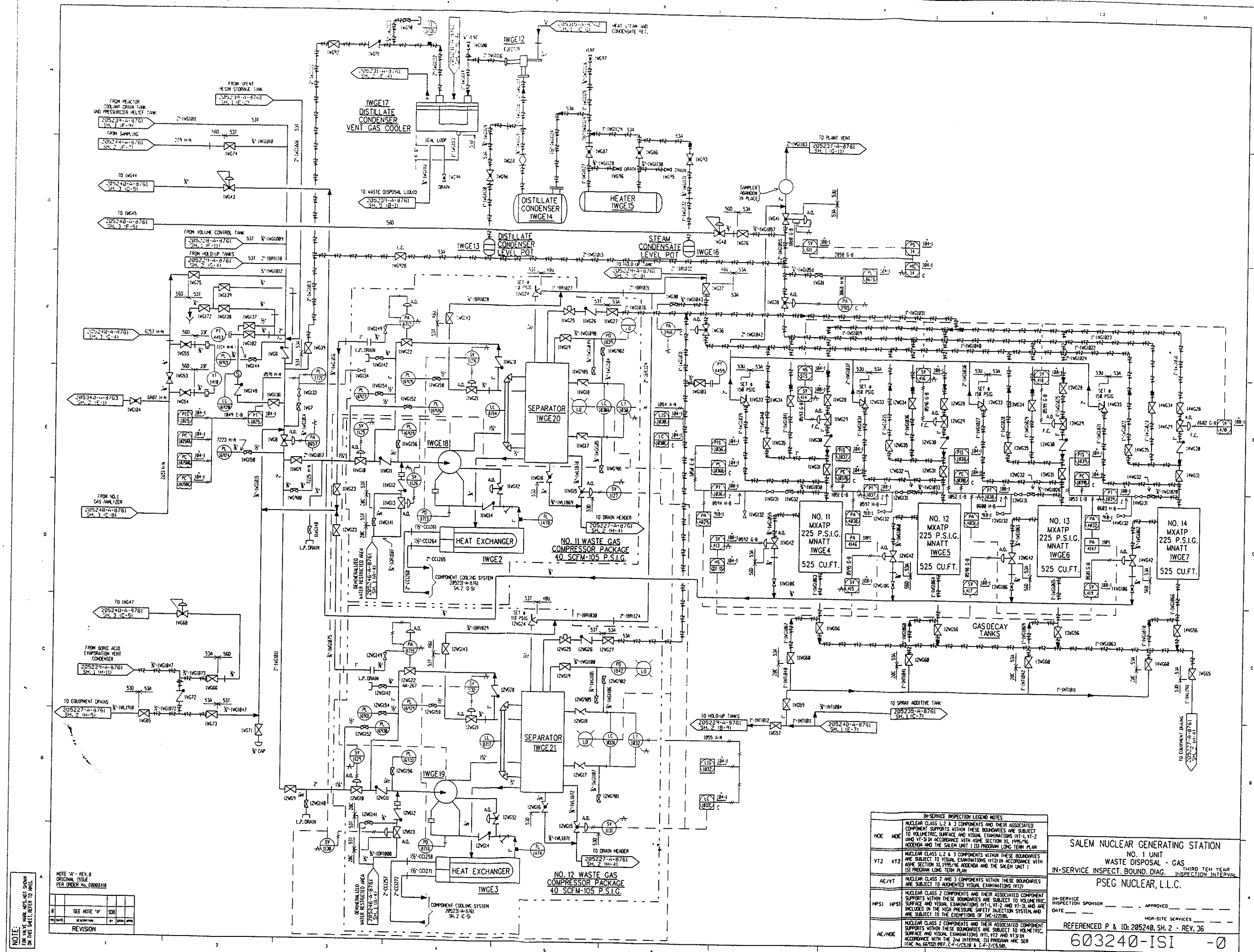
| IN-SERVICE INSPECTION SPONSOR | DATE | APPROVED | DATE |
|-------------------------------|----------|---------------|----------|
| C.J. CONNOR | 12-16-87 | LOUIS F. LANE | 12-16-87 |

MOA-SITE SERVICES PETER J. KLOPPES

REFERENCED P & ID: 205239, SH. 1 - REV. 44

603239-ISI - 0

SH 1 of 311



NOTE: FOR WASTE DISPOSAL AND GAS SYSTEMS, REFER TO THIS SHEET, REFER TO THIS SHEET.

| REVISION | |
|----------|-------------|
| 1 | SEE NOTE 14 |
| 2 | SEE NOTE 14 |
| 3 | SEE NOTE 14 |
| 4 | SEE NOTE 14 |
| 5 | SEE NOTE 14 |
| 6 | SEE NOTE 14 |
| 7 | SEE NOTE 14 |
| 8 | SEE NOTE 14 |
| 9 | SEE NOTE 14 |
| 10 | SEE NOTE 14 |

| 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, VT-3) IN ACCORDANCE WITH ASME SECTION XI, 1994/96 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 ASME SECTION XI, 1994/96 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). |
| HP/ST | 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-127100B. |
| AE/NOE | NUCLEAR CLASS 2 COMPONENTS AND THEIR ASSOCIATED SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (VT2) IN ACCORDANCE WITH ASME SECTION XI, 1994/96 ADDENDA AND THE SALEM UNIT 1 ISI PROGRAM LONG TERM PLAN. |

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.

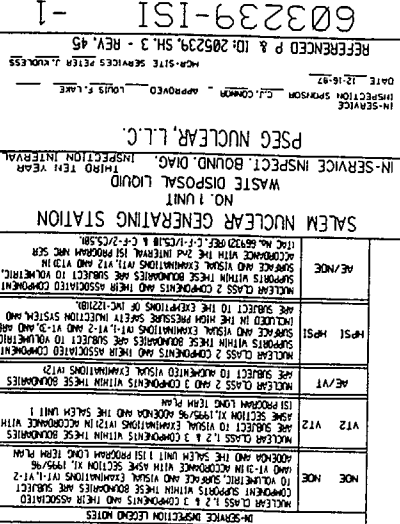
IN-SERVICE INSPECTION SPONSOR _____
DATE _____
APPROVED _____
MCP-SITE SERVICES
REFERENCED P & ID: 205240, SH. 2 - REV. 36
603240-ISI -0

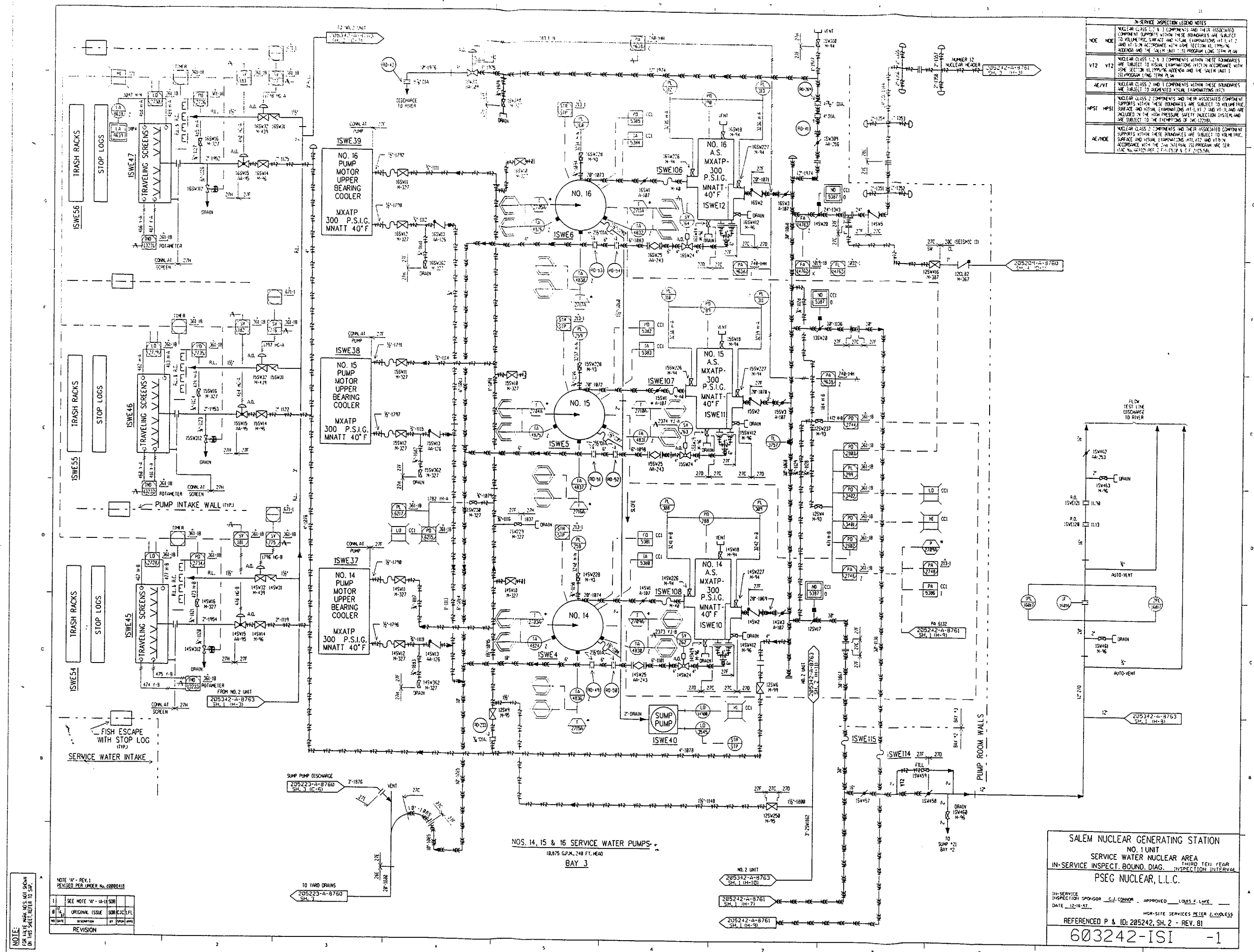
NOTE:
FOR Y&VE MARK NO'S. NOT SHOWN ON THIS SHEET, REFER TO PPLS.

17
ORDER No. 8828418

NOTE:
FOR Y&VE MARK NO'S. NOT SHOWN ON THIS SHEET, REFER TO PPLS.

REACTOR CONTAINMENT

[illegible]



| INSPECTION LEGEND | |
|-------------------|--------|
| NOE | NOE |
| VIT | VIT |
| AE/VIT | AE/VIT |
| HPSI | HPSI |
| AE/NOE | AE/NOE |

NOTE: FOR SCALE WORK, SEE THE DRAWING OR THE SHEET REFER TO SH.

| REVISION | |
|----------|---------------------|
| 1 | SEE NOTE "A" (H-10) |
| 2 | ORIGINAL ISSUE |
| 3 | REVISION |

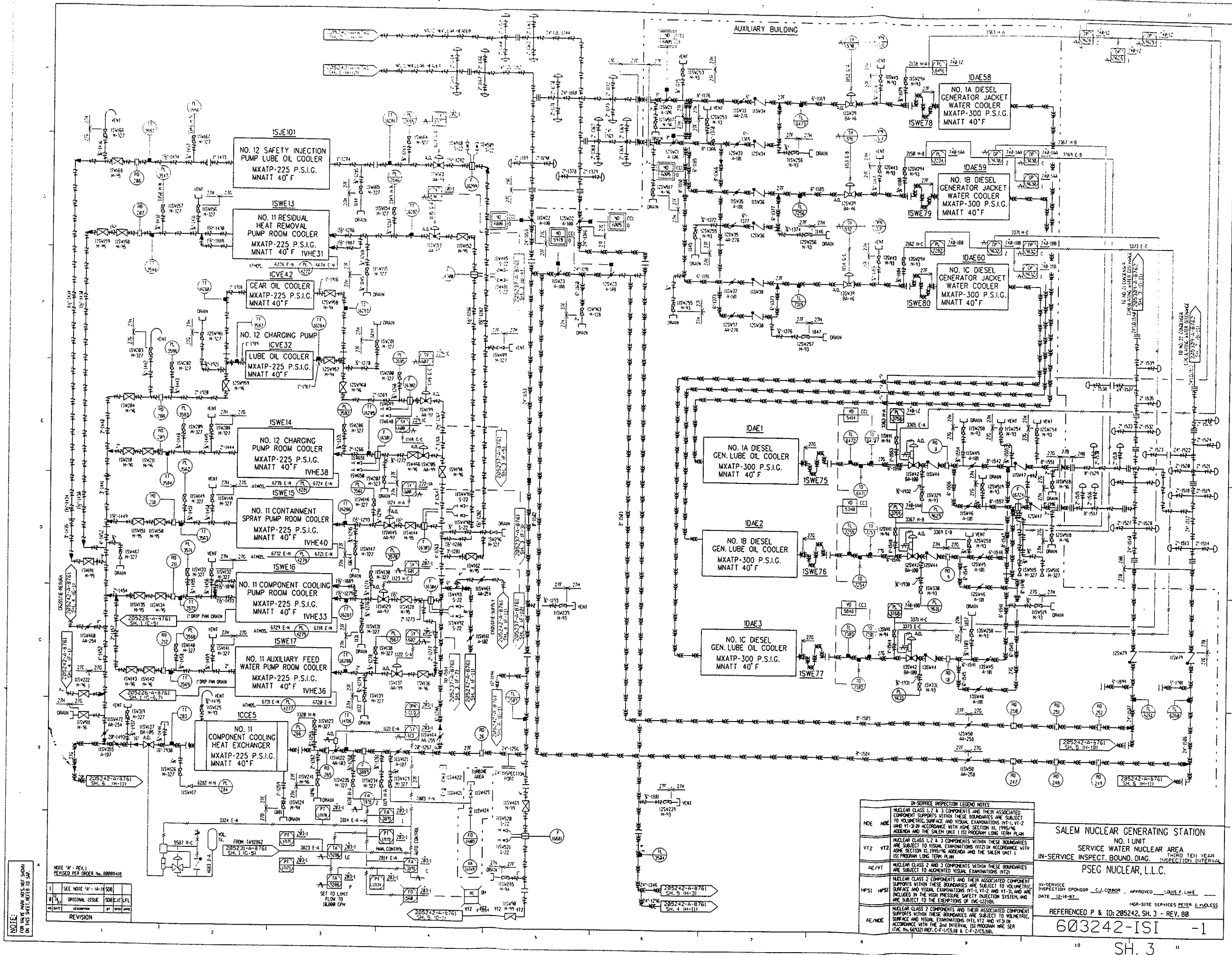
SALEM NUCLEAR GENERATING STATION
NO. 1 UNIT
SERVICE WATER NUCLEAR AREA
THIRD YEAR
INSPECTION BOUND. DIAG.
PSEG NUCLEAR, L.L.C.

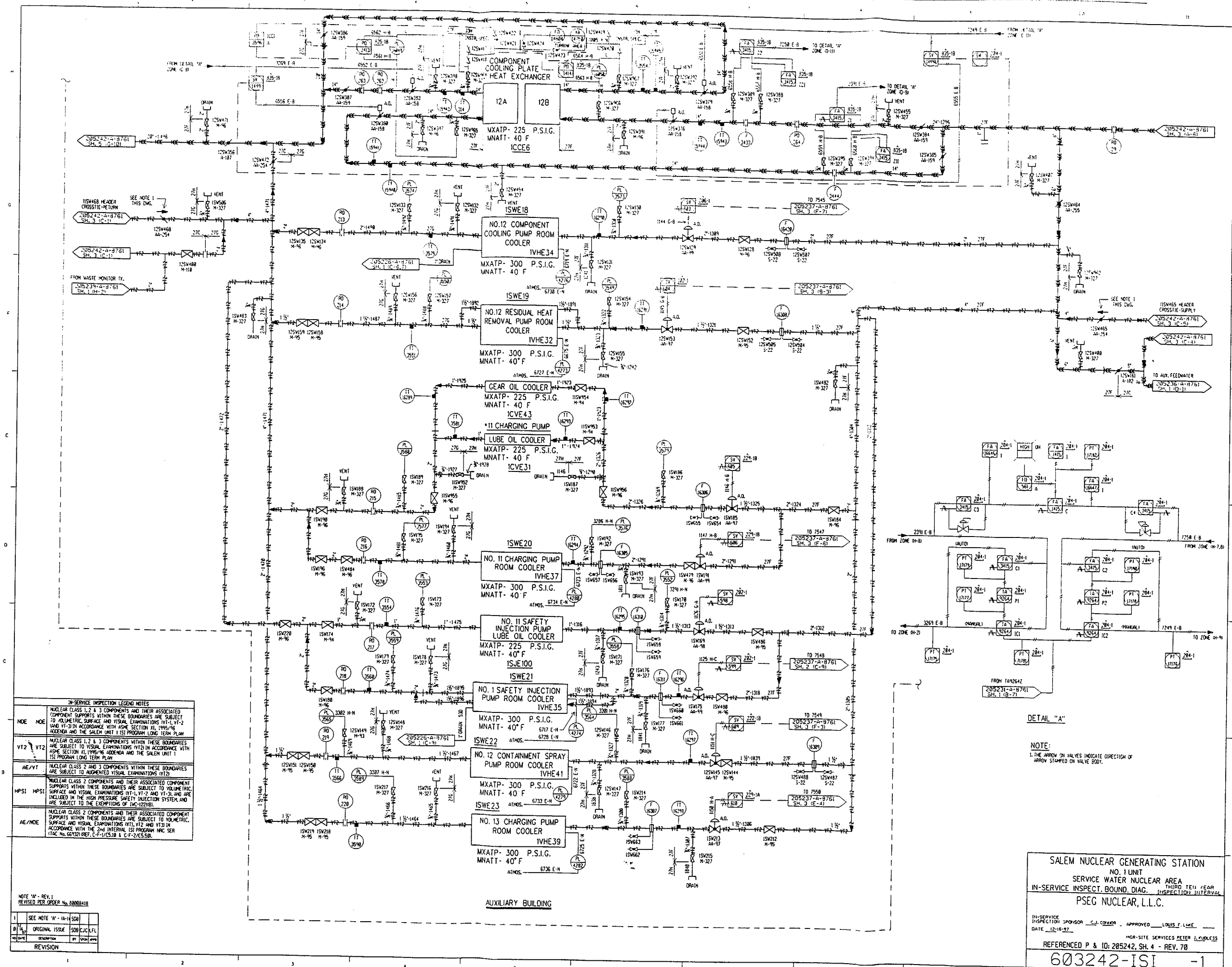
INSPECTION SPONSOR: C.J. CONNOR
APPROVED: LOUIS F. LANE
DATE: 12-16-87
HGR-SITE SERVICES PREPARED: L. KROUSE

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

603242-ISI

SH. 2





| 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, 1985/96 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, 1985/96 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). |
| 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/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 INTERMITTENT ISI PROGRAM INC SER 114C NO. 667321 (REF. C-F-1/C5.18 & C-F-2/C5.58). |

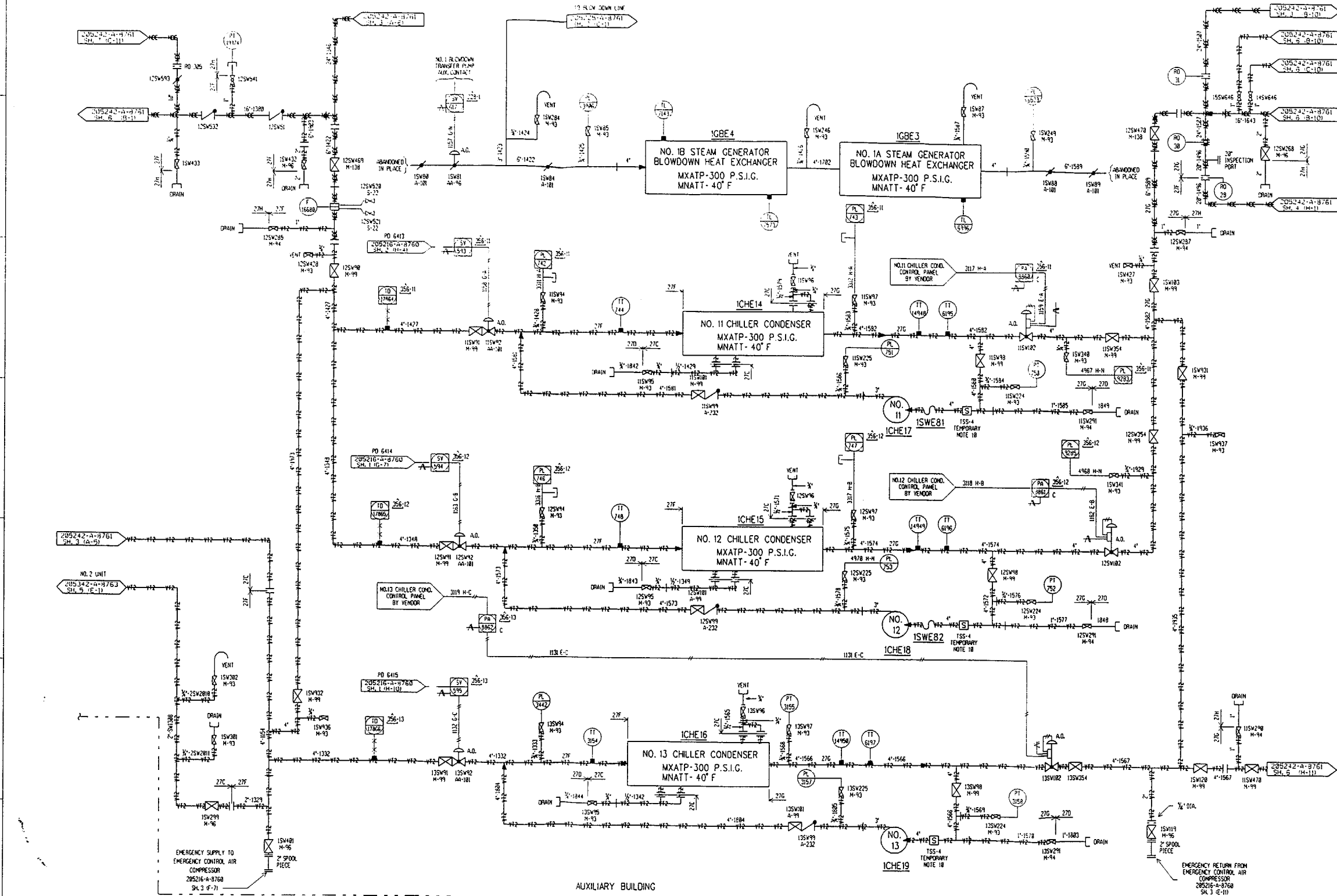
| | |
|---|----------------------------|
| NOTE "A" - REV. 1 REVISED PER ORDER NO. 20008418 | |
| 1 | SEE NOTE "A" - (A-1) (S-2) |
| 2 | ORIGINAL ISSUE |
| 3 | REVISION |

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 INSPECTION SPONSOR: C.J. COOPER
DATE: 12-16-97
APPROVED: LOUIS F. LACE
HSA-SITE SERVICES PETER J. KULEWSKI

REFERENCED P & ID: 205242, SH. 4 - REV. 70
603242-ISI -1



NOTE: FOR HAVE AND NOT SHOW IN THIS SECTION TO PMS.

REVISION

| NO. | DATE | DESCRIPTION | BY | APP. |
|-----|------------------------|-------------|----|------|
| 1 | SEE NOTE 14 - (A) 1506 | | | |
| 2 | ORIGINAL ISSUE | SUBCJIC/LFL | | |

IN-SERVICE INSPECTION LEGEND NOTES

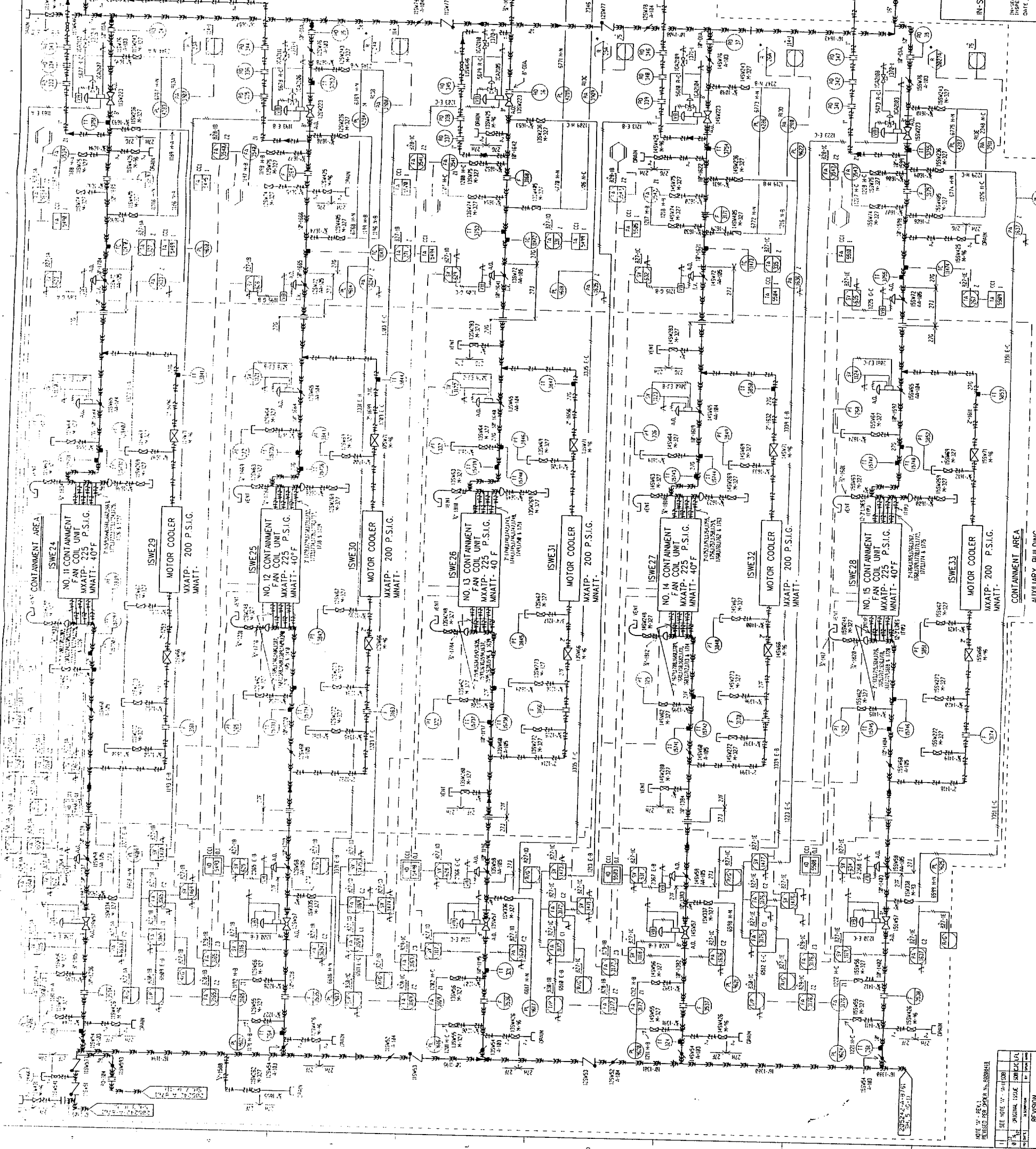
| NOE | NOE | DESCRIPTION |
|--------|--------|---|
| NOE | NOE | NUCLEAR CLASS 1, 2 & 3 COMPONENTS AND THEIR ASSOCIATED COMPONENT SUPPORTS WITHIN THESE BOUNDARIES ARE SUBJECT TO VOLUMETRIC SURFACE AND VISUAL EXAMINATIONS (VT-1, VT-2 AND VT-3) IN ACCORDANCE WITH ASME SECTION XI, 1995/96 ADDENDUM AND 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 VT-3) IN ACCORDANCE WITH ASME SECTION XI, 1995/96 ADDENDUM 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 (VT-2). |
| 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 10 CFR 50.55A. |
| 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 VT-3) IN ACCORDANCE WITH THE 3-yr INTERVAL ISI PROGRAM NRC SER (10 CFR 50.55A) REF. C-F-1/C-10.8 & C-F-2/C-10.8. |

SALEM NUCLEAR GENERATING STATION
NO. 1 UNIT
SERVICE WATER NUCLEAR AREA
IN-SERVICE INSPECT. BOUND. DIAG. INSPECTION INTERVAL
PSEG NUCLEAR, L.L.C.
THIRD TEN YEAR
IN-SERVICE INSPECTION SPONSOR: C.J. CONNOR APPROVED: LOUIS F. LAME
DATE: 12-18-87
MGR-SITE SERVICES: PETER J. KUDRINSKY
REFERENCED P & ID: 205216, SH. 5 - REV. 69
603242-ISI

| IN-SERVICE INSPECTION (SIS) NOTES | |
|-----------------------------------|--------|
| NOE | NOE |
| VT2 | VT2 |
| AE/VT | AE/VT |
| PE/ST | PE/ST |
| AE/NOE | AE/NOE |

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

INSPECTION 990150P
DATE 12-18-82
APPROVED JAMES E. CASE
REVISION 1.00-035
REFERENCES P & ID-285242, SH. 6 - REV. 74
603242-1SI -1



NOTE: SEE NOTE W-11-100
REVISION

| REV. | DATE | BY | CHKD. | DESCRIPTION |
|------|----------|--------|--------|-----------------|
| 1 | 12-18-82 | J.E.C. | J.E.C. | ISSUED FOR WORK |

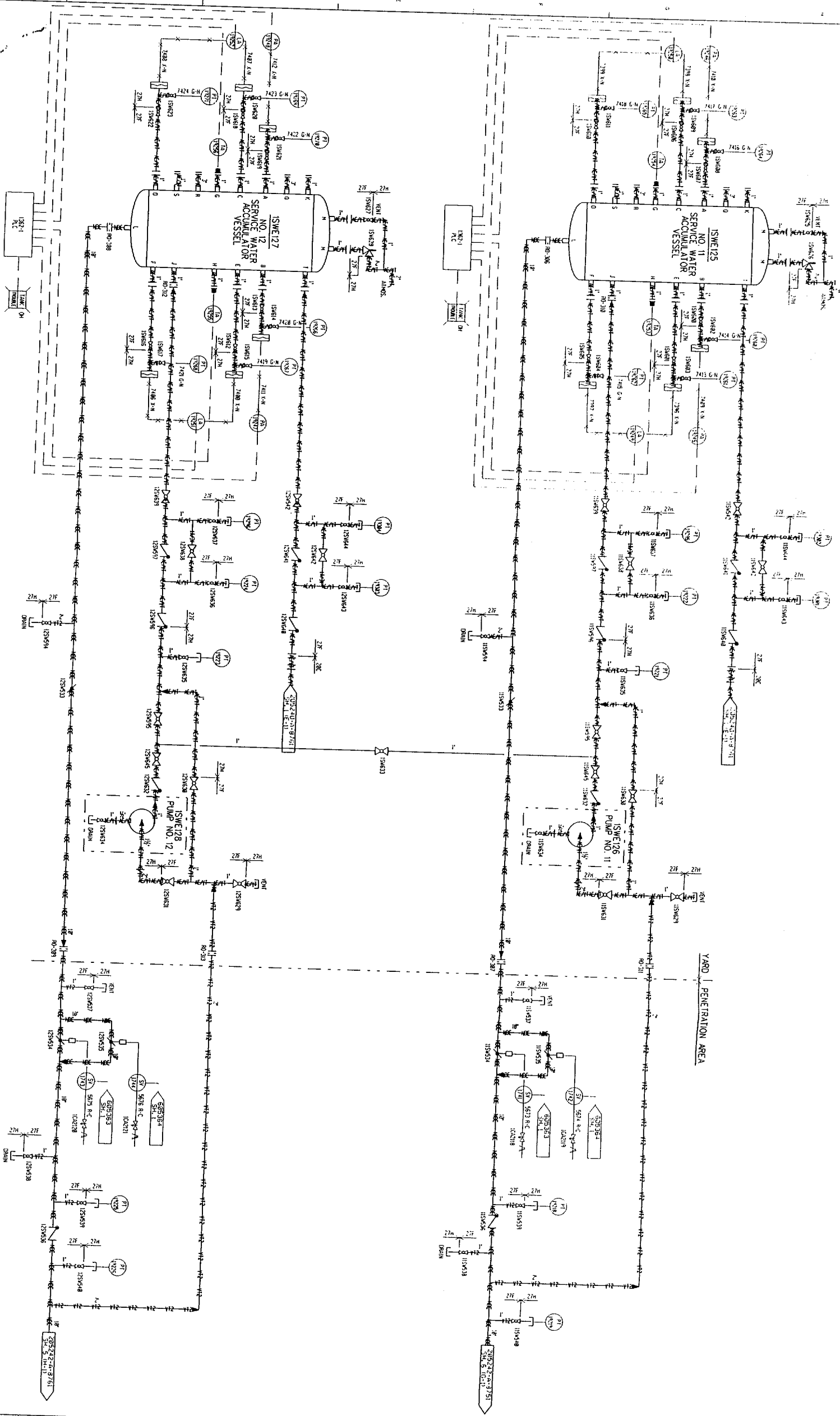
ON THIS SHEET, REFER TO THE
P&ID NUMBER AND SHEET NUMBER

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

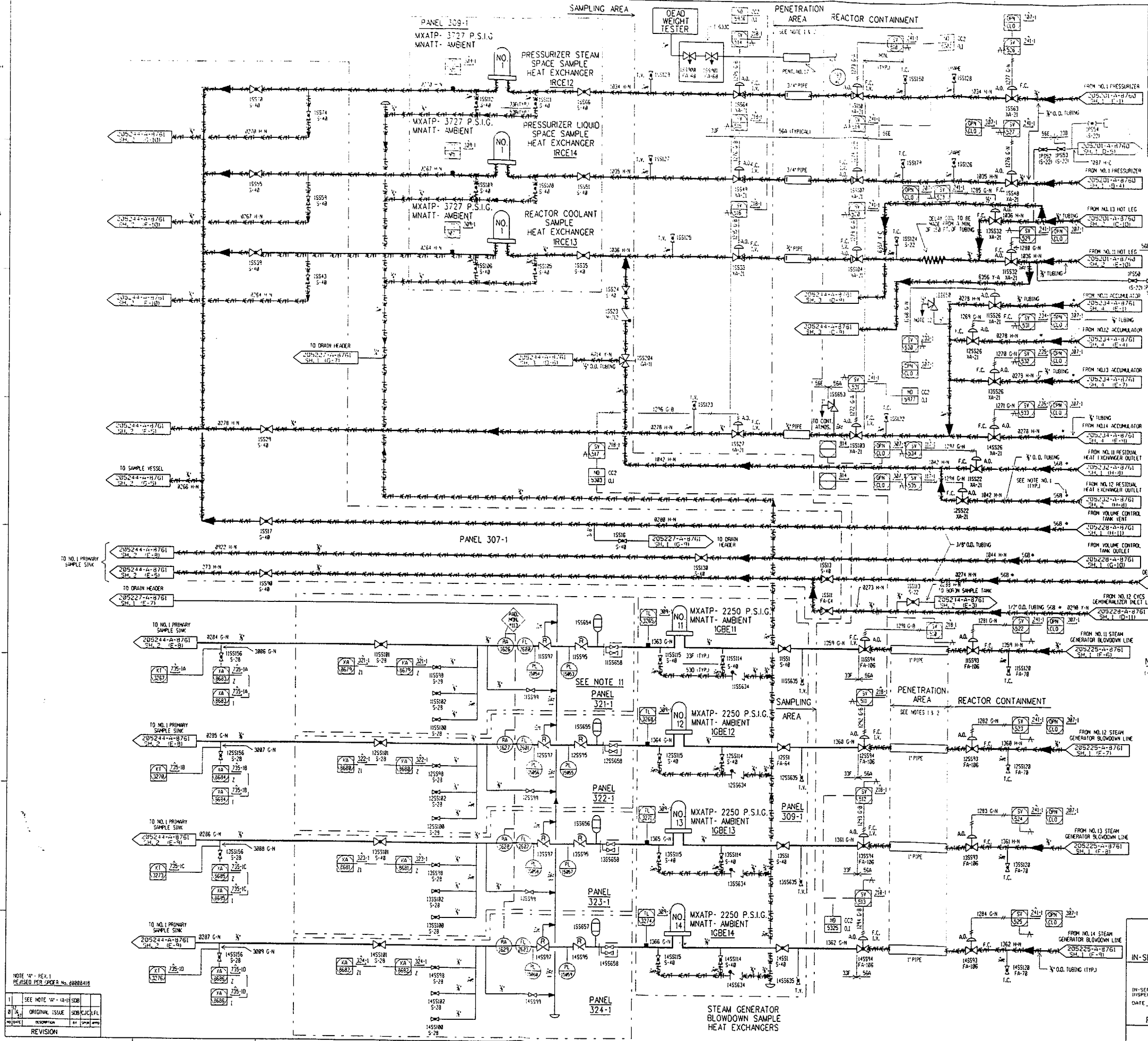
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NOTE "A" - REV. B
ORIGINAL ISSUE
PER ORDER NO. 00000412

REVISION

[illegible]

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



| 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 in accordance with the SALEM UNIT 1, 2, & 3 PROGRAM LONG TERM PLAN. |
| VT2 | Nuclear Class 1, 2, & 3 components within these boundaries are subject to volumetric surface and visual examinations in accordance with the SALEM UNIT 1, 2, & 3 PROGRAM LONG TERM PLAN. |
| AE/VT | Nuclear Class 2 and 3 components within these boundaries are subject to augmented visual examinations (AVT). |
| HPST | Nuclear Class 2 components and their associated component supports within these boundaries are subject to volumetric surface and visual examinations in accordance with the SALEM UNIT 1, 2, & 3 PROGRAM LONG TERM PLAN. |
| AE/NOE | Nuclear Class 2 components and their associated component supports within these boundaries are subject to volumetric surface and visual examinations in accordance with the SALEM UNIT 1, 2, & 3 PROGRAM LONG TERM PLAN. |

- NOTES:
1. LATOR 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. PIPING TO BE DOUBLE EXTRA STRONG ASTM A316 GRADE 1536.
 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 S-C-A-N-N-M-D-001.
 5. WRAIP INDICATED IS FOR THE TUBE SIDE OF THE SAMPLE HEAT EXCHANGERS.
 6. ALL VALVE AIR OPERATORS (A.O.) TO BE UNDERSTOOD TO BE NUMBERED WITH THE VALVE GENERATION NUMBER-A.O. (EX. 155514-A.O.).
 7. ALL INSTRUMENTATION TO BE UNDERSTOOD TO CONTAIN THE PREFIX 'V' FOR UNIT 1.
 8. THE SAMPLE LINES ON ON-LINE MONITORING PANEL 1853-1 HAVE THE FOLLOWING DEVICES, NOT SHOWN FOR CLARITY ON THIS P & ID: OIL FILTRERS WITH DIFFERENTIAL PRESSURE SWITCH, PRESSURE REDUCER WITH PRESSURE GAUGE, TEMPERATURE SENSOR, FLOW REGULATORS, CATION DEMINERALIZER AND ASSOCIATED VALVES. SEE PANEL FLOW DIAGRAMS FOR THESE DEVICES.
 9. THE ORDER OF THE DEWATER/DRYDOWN HEADERS (IE-TS) ARE NOT REPRESENTATIVE OF THE PHYSICAL LIST-OUT FOR ACTUAL LAY-OUT. SEE PANEL 1853-1 FLOW DIAGRAMS.
 10. ALL PANEL 1853-1 SAMPLE INLET CONNECTIONS ARE 1/2".
 11. ALL INSTRUMENTS IN P&ID 1.735-1A1B1C, 1.10 ARE SPARED IN PLACE.
 12. ROUTE TO CONTAINMENT TRENCH DRAIN.

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. LAKE
DATE: 12-16-87 MGR-SITE SERVICES: PETER J. KULLOSS

REFERENCED P & ID: 205244, SH. 1 - REV. 39

603244-ISI -1

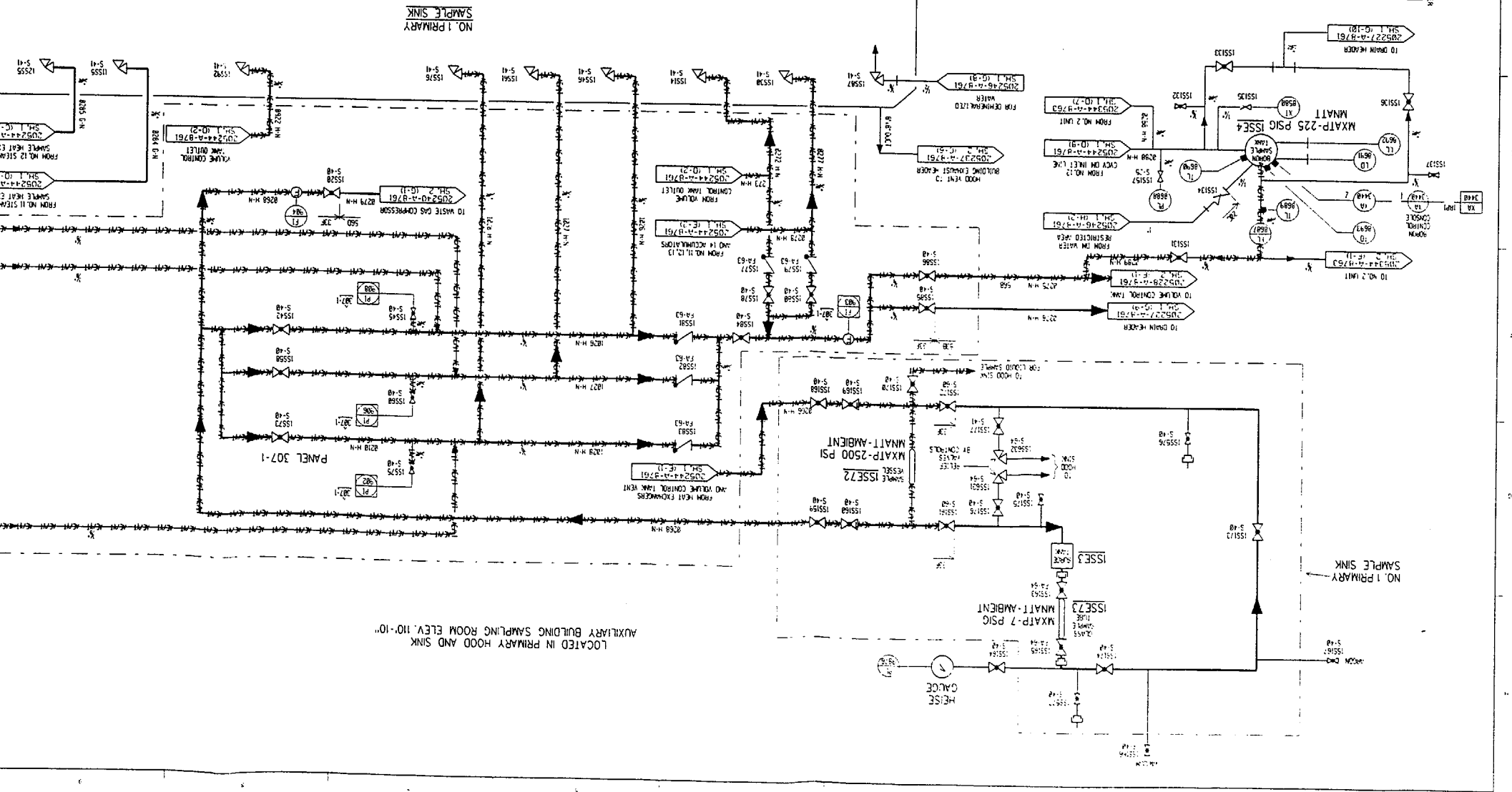
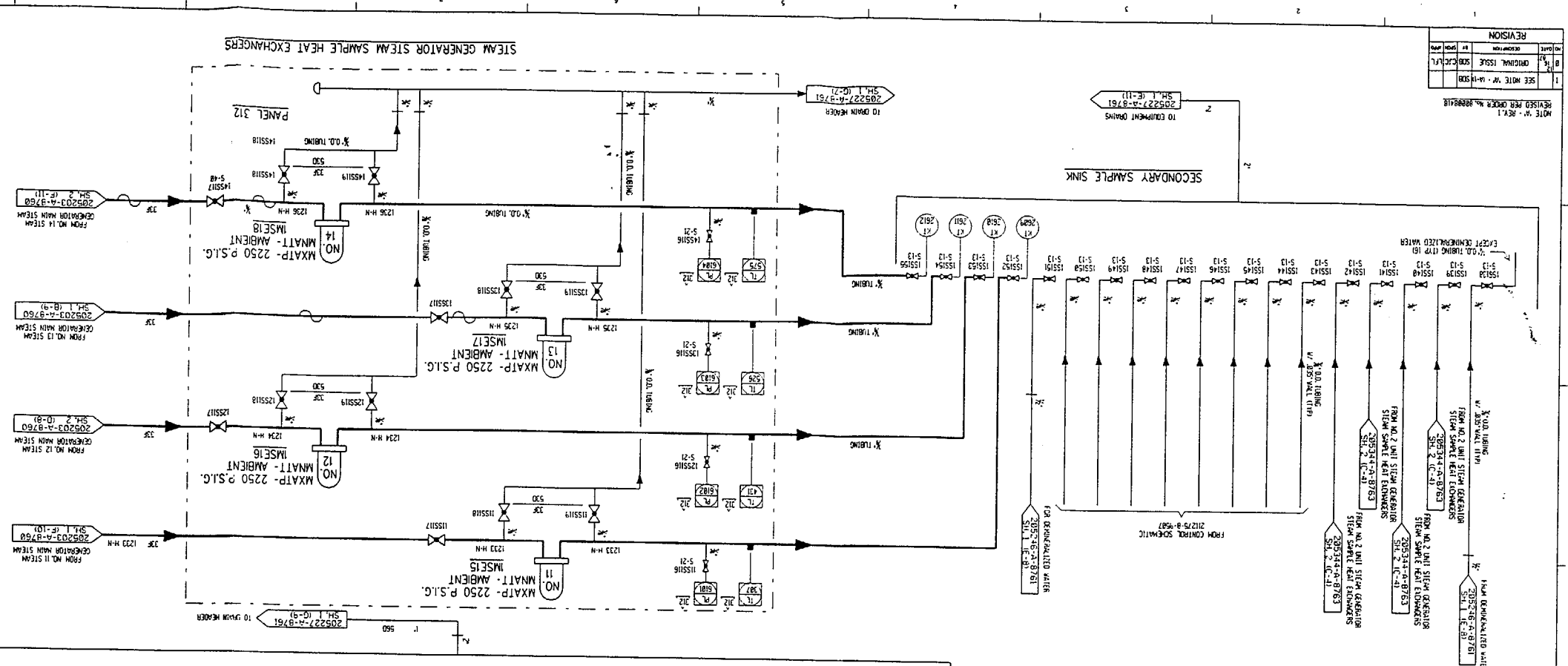
SH. 1

NOTE: THIS IS A PRELIMINARY DIAGRAM. IT IS SUBJECT TO CHANGE WITHOUT NOTICE.

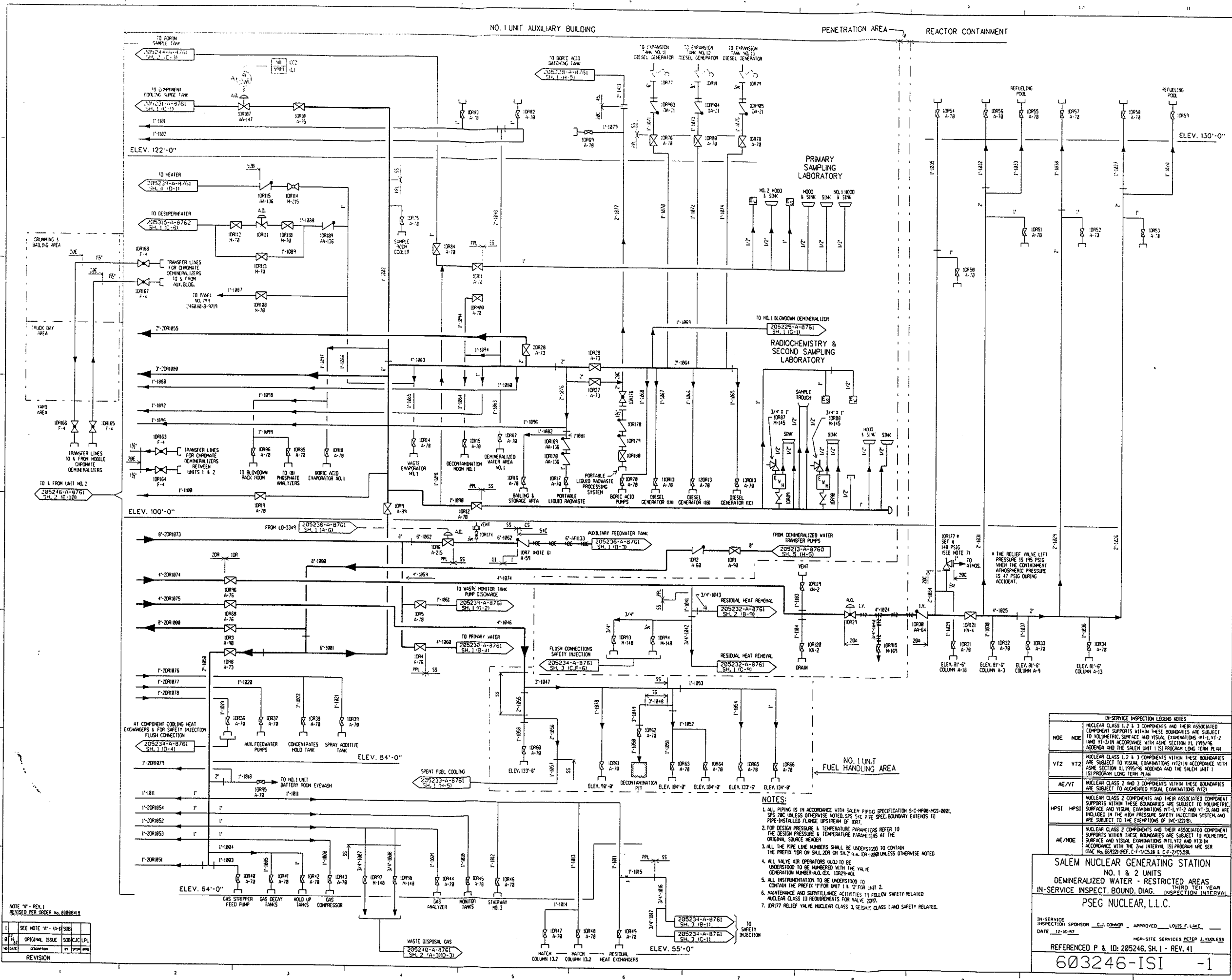
| REVISION | |
|----------|----------------------------------|
| 1 | SEE NOTE 11 - (A) (H) (S) (D) |
| 2 | ORIGINAL ISSUE - (A) (H) (S) (D) |
| 3 | REVISION |

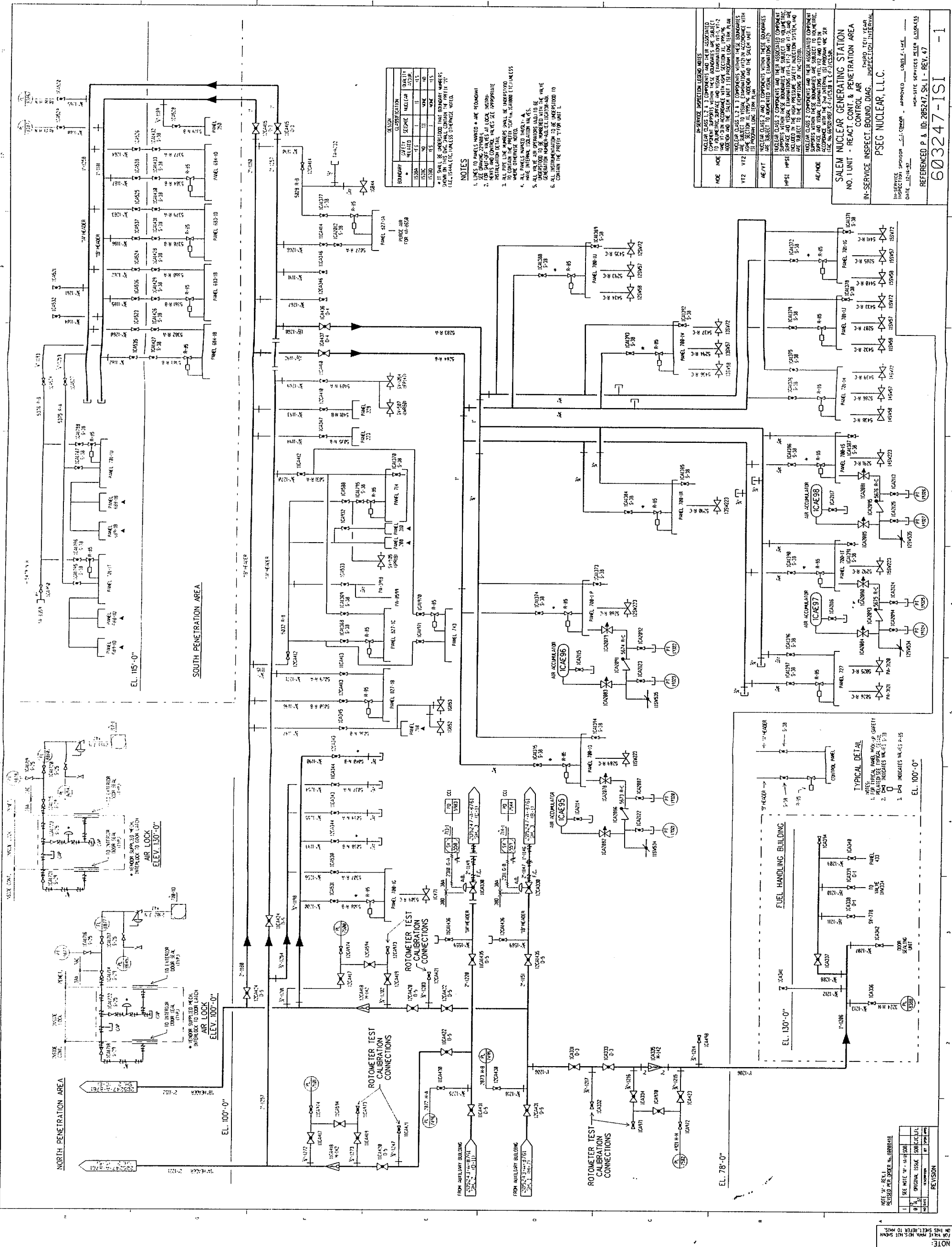
NOTE:
1. SEE NOTE W-10-10
ON SHEET 2 OF 10

| REVISION | |
|----------|--------------------------------------|
| 1 | SEE NOTE W-10-10 |
| 2 | REVISED PER ORDER NO. 200222-2-10-10 |
| 3 | REVISED PER ORDER NO. 200222-2-10-10 |
| 4 | REVISED PER ORDER NO. 200222-2-10-10 |
| 5 | REVISED PER ORDER NO. 200222-2-10-10 |
| 6 | REVISED PER ORDER NO. 200222-2-10-10 |
| 7 | REVISED PER ORDER NO. 200222-2-10-10 |
| 8 | REVISED PER ORDER NO. 200222-2-10-10 |
| 9 | REVISED PER ORDER NO. 200222-2-10-10 |
| 10 | REVISED PER ORDER NO. 200222-2-10-10 |



SALEM NUCLEAR GENERATING STATION
NO. 1 UNIT
SAMPLING
N-SERVICE INSPECT. BOUND. DIAG.
THIRD TEN YEAR
INSPECTION INTERVAL
PSEG NUCLEAR, L.L.C.
DATE 12-18-97
INSPECTION SUPERVISOR C.J. CONNOR
APPROVED LOUIS F. LANE
REFERENCE P & I NO. 200224-4-SH. 2 - REV. 22
603224-4-SH. 2 - 1





| DESIGN | | CLASSIFICATION | | QUALITY | |
|--------|---------|----------------|----------|---------|----------|
| NO. | DATE | BY | CHKD | DATE | BY |
| 1 | 10/1/77 | W. J. B. | W. J. B. | 10/1/77 | W. J. B. |
| 2 | 10/1/77 | W. J. B. | W. J. B. | 10/1/77 | W. J. B. |
| 3 | 10/1/77 | W. J. B. | W. J. B. | 10/1/77 | W. J. B. |
| 4 | 10/1/77 | W. J. B. | W. J. B. | 10/1/77 | W. J. B. |
| 5 | 10/1/77 | W. J. B. | W. J. B. | 10/1/77 | W. J. B. |
| 6 | 10/1/77 | W. J. B. | W. J. B. | 10/1/77 | W. J. B. |
| 7 | 10/1/77 | W. J. B. | W. J. B. | 10/1/77 | W. J. B. |
| 8 | 10/1/77 | W. J. B. | W. J. B. | 10/1/77 | W. J. B. |
| 9 | 10/1/77 | W. J. B. | W. J. B. | 10/1/77 | W. J. B. |
| 10 | 10/1/77 | W. J. B. | W. J. B. | 10/1/77 | W. J. B. |

- NOTES
1. SEE PAGES 100-0 AND 100-1 FOR ROTOMETER TEST CALIBRATION CONNECTIONS.
 2. FOR SHUT-OFF VALVES AT LOCAL INSTRUMENTATION, SEE PAGES 100-0 AND 100-1.
 3. ALL PIPE LINE NUMBERS SHALL BE UNDERSTOOD TO CONTAIN THE PREFIX "100" UNLESS OTHERWISE NOTED.
 4. WHERE OTHERWISE NOTED.
 5. ALL VALVE AIR OPERATORS (A.O.) TO BE UNDERSTOOD TO BE OPERATED WITH THE VALVE OPERATOR (V.O.) UNLESS OTHERWISE NOTED.
 6. ALL INSTRUMENTATION TO BE UNDERSTOOD TO CONTAIN THE PREFIX "100" UNLESS OTHERWISE NOTED.

IN-SERVICE INSPECTION LOGS

| NO. | DATE | BY | CHKD | DATE | BY |
|-----|---------|----------|----------|---------|----------|
| 1 | 10/1/77 | W. J. B. | W. J. B. | 10/1/77 | W. J. B. |
| 2 | 10/1/77 | W. J. B. | W. J. B. | 10/1/77 | W. J. B. |
| 3 | 10/1/77 | W. J. B. | W. J. B. | 10/1/77 | W. J. B. |
| 4 | 10/1/77 | W. J. B. | W. J. B. | 10/1/77 | W. J. B. |
| 5 | 10/1/77 | W. J. B. | W. J. B. | 10/1/77 | W. J. B. |
| 6 | 10/1/77 | W. J. B. | W. J. B. | 10/1/77 | W. J. B. |
| 7 | 10/1/77 | W. J. B. | W. J. B. | 10/1/77 | W. J. B. |
| 8 | 10/1/77 | W. J. B. | W. J. B. | 10/1/77 | W. J. B. |
| 9 | 10/1/77 | W. J. B. | W. J. B. | 10/1/77 | W. J. B. |
| 10 | 10/1/77 | W. J. B. | W. J. B. | 10/1/77 | W. J. B. |

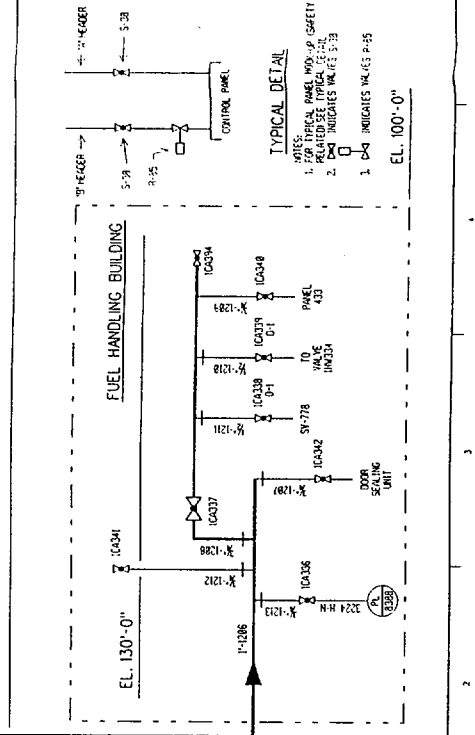
SALEM NUCLEAR GENERATING STATION
NO. 1 UNIT - REACTOR CONTROL AREA
IN-SERVICE INSPECTION LOGS
PSEG NUCLEAR, L.L.C.

IN-SERVICE INSPECTION LOGS
DATE 10/1/77
APPROVED _____
DATE 10/1/77
APPROVED _____

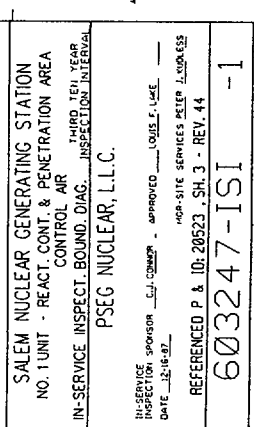
REFERENCE P & ID 205247, SH. 1 - REV. 47

603247-1SI -1

10 SH. 1 of 3



| REVISION | | DATE | | BY | | CHKD | |
|----------|---------|----------|----------|---------|----------|---------|----------|
| 1 | 10/1/77 | W. J. B. | W. J. B. | 10/1/77 | W. J. B. | 10/1/77 | W. J. B. |
| 2 | 10/1/77 | W. J. B. | W. J. B. | 10/1/77 | W. J. B. | 10/1/77 | W. J. B. |
| 3 | 10/1/77 | W. J. B. | W. J. B. | 10/1/77 | W. J. B. | 10/1/77 | W. J. B. |
| 4 | 10/1/77 | W. J. B. | W. J. B. | 10/1/77 | W. J. B. | 10/1/77 | W. J. B. |
| 5 | 10/1/77 | W. J. B. | W. J. B. | 10/1/77 | W. J. B. | 10/1/77 | W. J. B. |
| 6 | 10/1/77 | W. J. B. | W. J. B. | 10/1/77 | W. J. B. | 10/1/77 | W. J. B. |
| 7 | 10/1/77 | W. J. B. | W. J. B. | 10/1/77 | W. J. B. | 10/1/77 | W. J. B. |
| 8 | 10/1/77 | W. J. B. | W. J. B. | 10/1/77 | W. J. B. | 10/1/77 | W. J. B. |
| 9 | 10/1/77 | W. J. B. | W. J. B. | 10/1/77 | W. J. B. | 10/1/77 | W. J. B. |
| 10 | 10/1/77 | W. J. B. | W. J. B. | 10/1/77 | W. J. B. | 10/1/77 | W. J. B. |



NOTE "A" - REV. 1
REVISED PER ORDER No. 38088418

| NO | DATE | DESCRIPTION | BY | SPR | APP |
|----|------|--------------------------|---------|-----|-----|
| 1 | | SEE NOTE "A" - (A-H) SOB | | | |
| 2 | | ORIGINAL ISSUE | SOB/CJC | LFL | |

REVISION

NOTE:
FOR VALUE MARK NOT SHOWN
ON THIS SHEET, REFER TO THIS.