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INTRODUCTION

The technical content of this manual describes the methods by which Arkansas Power & Light Company - Arkansas Nuclear One - fulfills the requirements of 10CFR50.55a for inservice inspection. In accordance with 10CFR50.55a(g) and based upon the Unit One commercial operating license date of 12/19/74, the applicable code for inservice inspection is the ASME B&PV Code, Division 1, Section XI, 1980 Edition including addenda through Winter 1981.

This manual does not address the inspection requirements of IWP, IWV or steam generator tubes, which is the responsibility of the IST Department. Nor are the inspection and testing requirements of hydraulic and mechanical snubbers addressed, since this is the responsibility of the Mechanical Maintenance Department.

Arkansas Power & Light Company will provide an uncontrolled copy of this manual, along with other requirements, to interested and qualified NDE Contractors. The NDE Contractors shall submit a proposal, which will address the availability of personnel, number of personnel which can be provided, approximate length of time to complete the required examinations and cost of the NDE services.

Arkansas Power & Light Company will notify the successful NDE Contractor, at which time a contract for the services will be completed.

The NDE Contractor shall furnish current NDE procedures covering the five (5) disciplines, to the ANO-ISI Coordinator for review and acceptance. These NDE procedures shall be maintained under a separate cover known as ISI Technical Manual, Volume 3

Upon arrival on site the NDE Contractor shall provide the ISI Coordinator with Certifications of Calibration for equipment, Certifications for materials such as couplant, penetrant, cleaner/remover and developer. Certification of NDE

Personnel including up-to-date and current eye examinations. The NDE Contractor shall be subject to audits by A.P.&L.-QA and AIA.

The NDE Contractor shall provide the ISI Coordinator with the original NDE examination data report, along with ANO's examination work list, which shall indicate specific information required by this program.

The various manual sections detail examination requirements for a ten (10) year interval, special examination requirements, inventory and drawings of calibration standards, and relief requests.

The ISI Coordinator shall write the final examination report and complete the NIS-1 form.

The information contained herein is the property of Arkansas Power & Light Company and is provided to the NDE Contractor solely for their use in conjunction with the work scope performed under the required contract.

SPECIAL EXAMINATION REQUIREMENTS

The listing of Examinations as shown in Section 2 of this manual specify the examination method (s) to be used for each exam number.

Included in this section are drawings which depict the volume or area to which these examination methods are applied in order to satisfy the applicable Code and plant specification requirements.

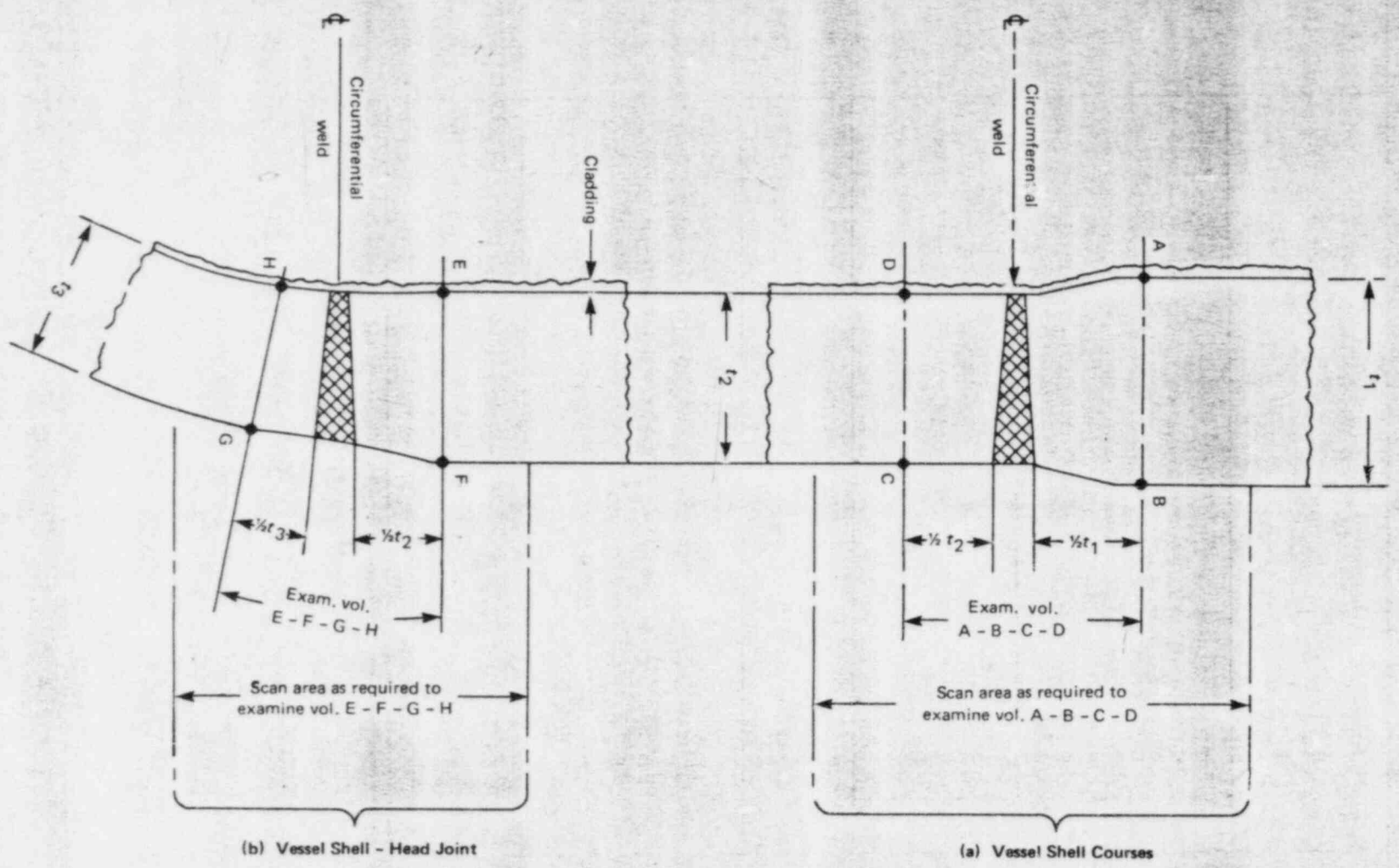


FIG. IWB-2500-1 VESSEL SHELL CIRCUMFERENTIAL WELD JOINTS

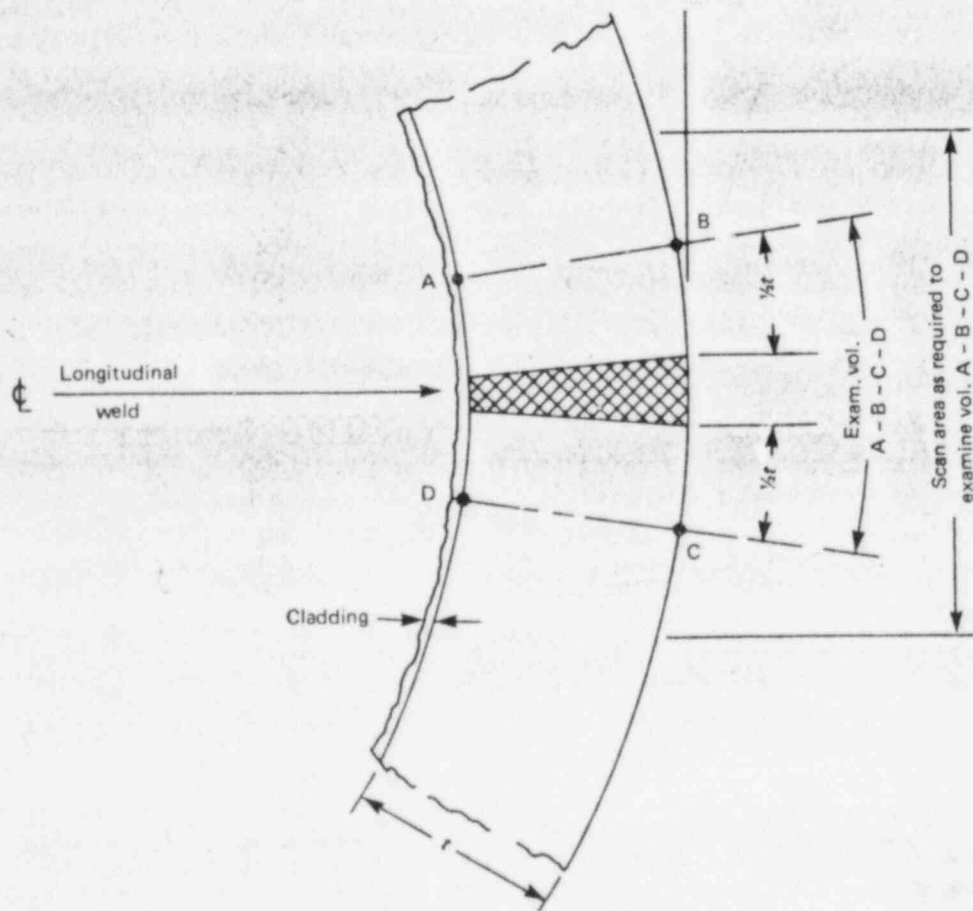
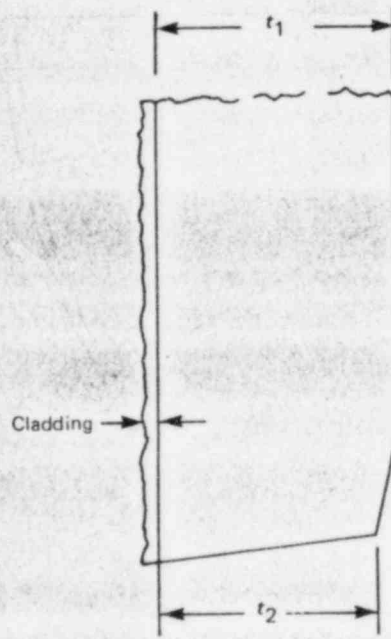


FIG. IWB-2500-2 VESSEL SHELL LONGITUDINAL WELD JOINTS

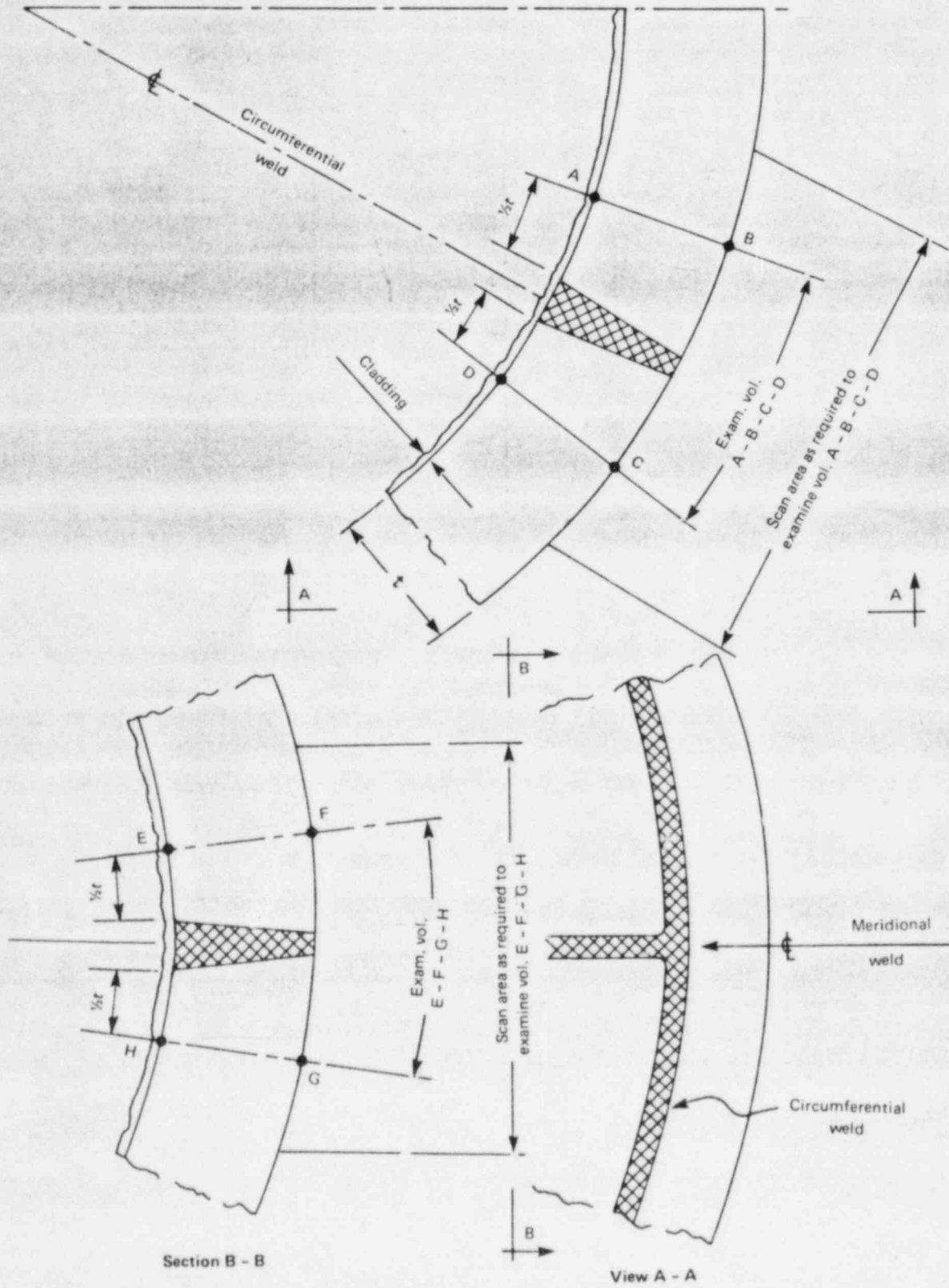


FIG. IWB-2500-3 SPHERICAL VESSEL HEAD CIRCUMFERENTIAL AND MERIDIONAL WELD JOINTS

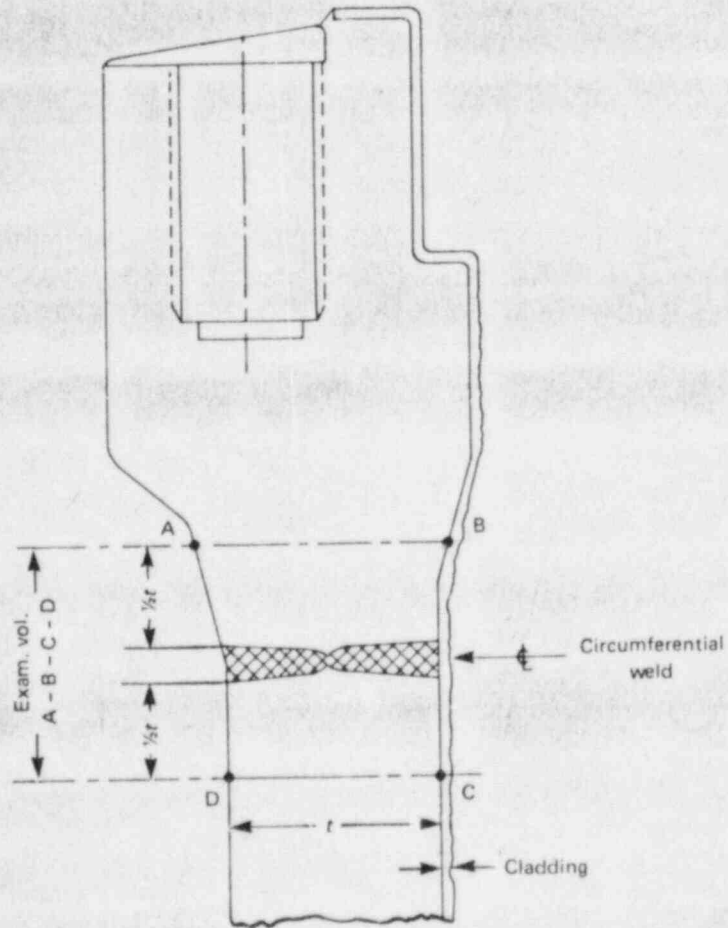
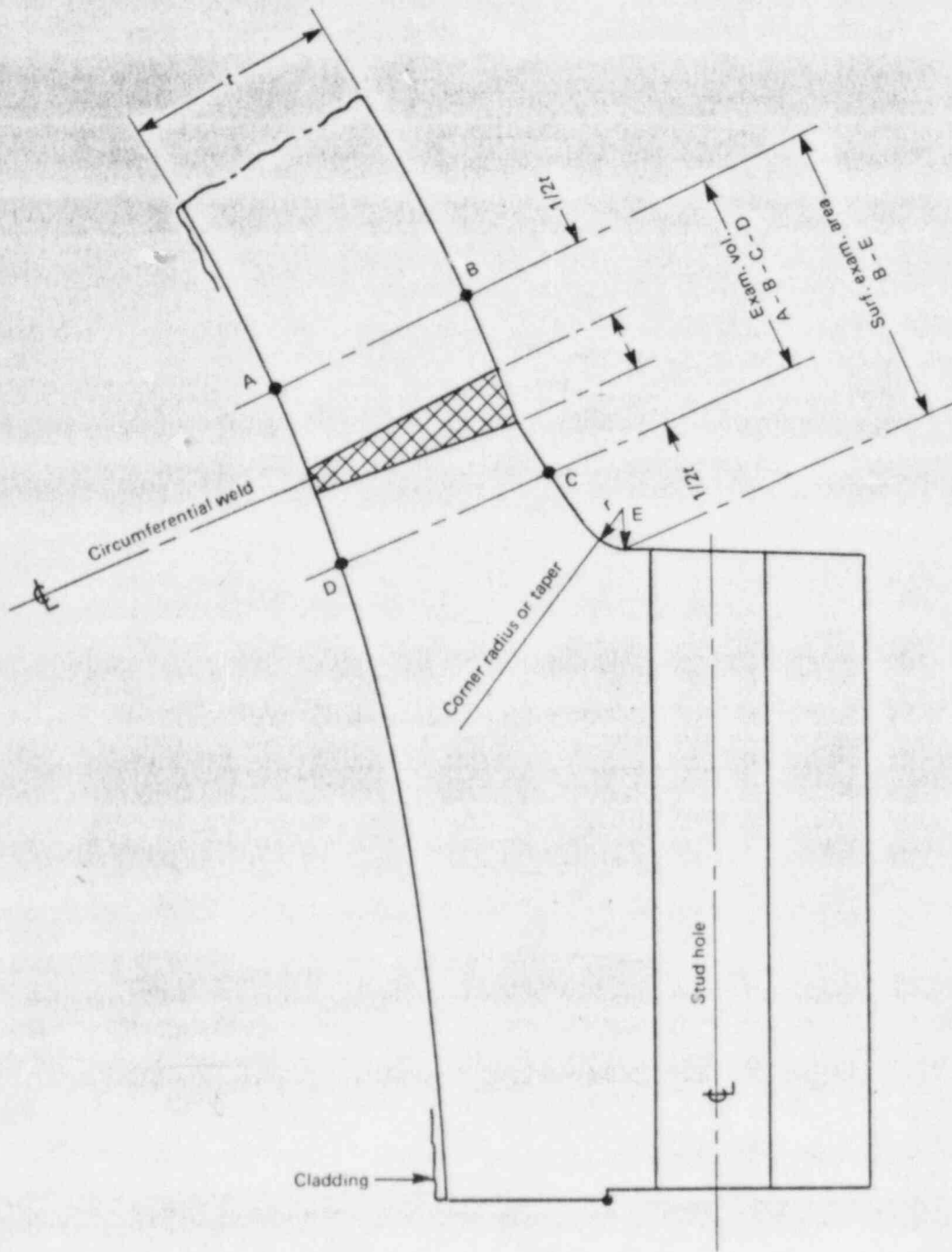


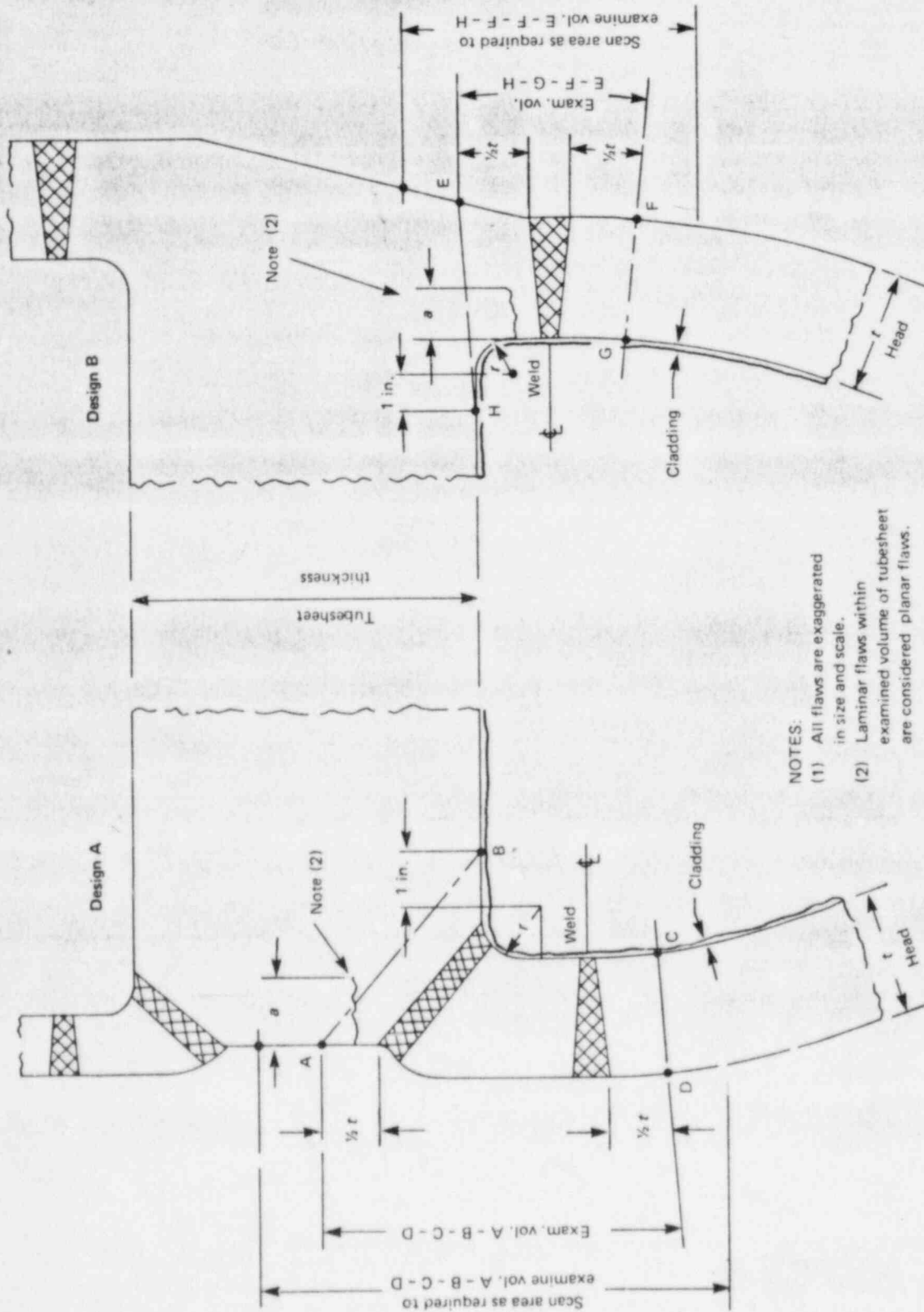
FIG. IWB-2500-4 SHELL-TO-FLANGE WELD JOINT

WB1



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FIG. IWB-2500-5 HEAD-TO-FLANGE WELD JOINT



- NOTES:
- (1) All flaws are exaggerated in size and scale.
 - (2) Laminar flaws within examined volume of tubeshet are considered planar flaws.

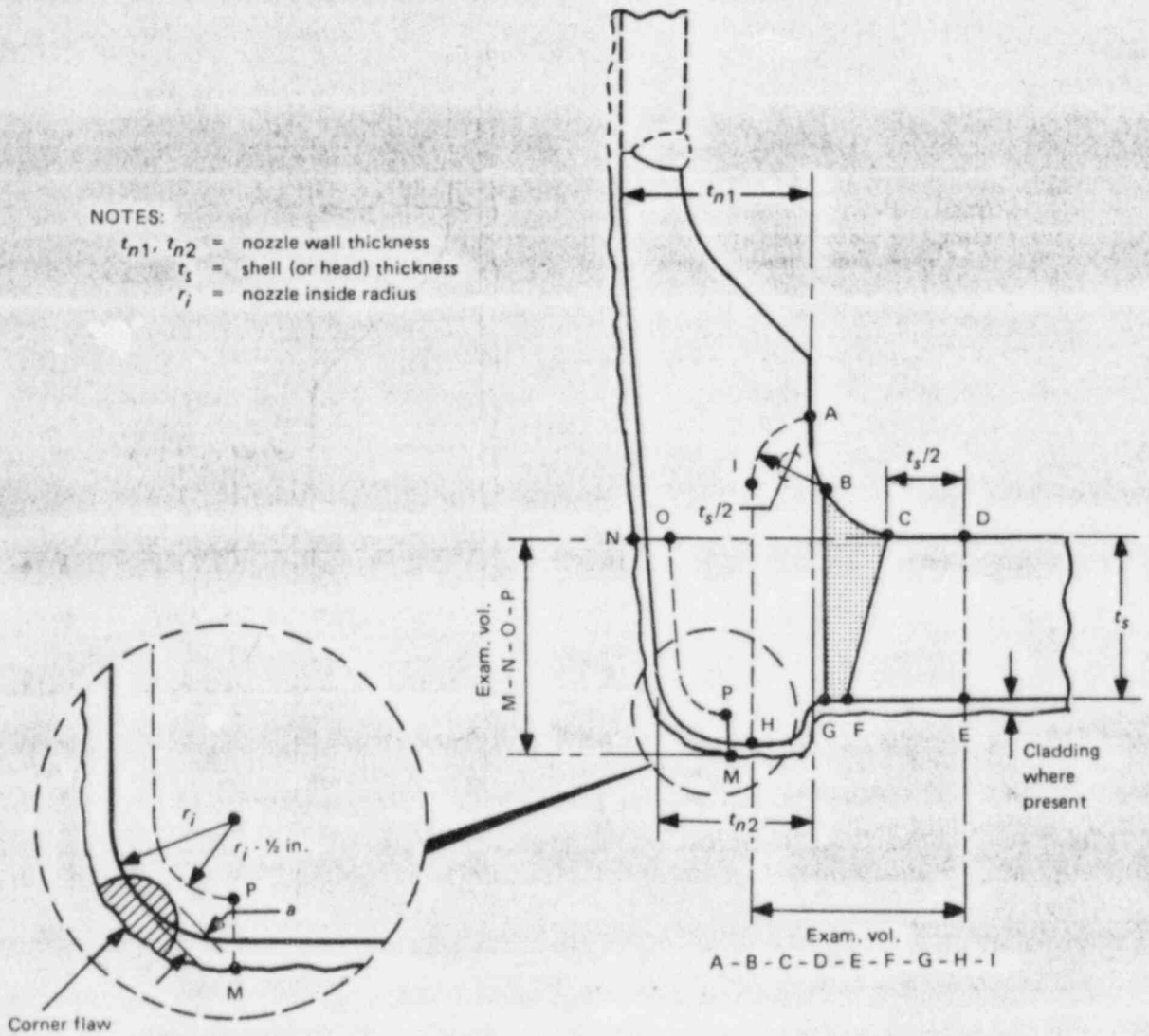
FIG. IWB-2500-6 TYPICAL 'TUBESHEET-TO-HEAD WELD JOINTS

SECTION XI — DIVISION 1

W80

FIG. IWB-2500-7

DELETED



NOTES:
 t_{n1}, t_{n2} = nozzle wall thickness
 t_s = shell (or head) thickness
 r_i = nozzle inside radius

EXAMINATION REGION¹

- Shell (or head) adjoining region
- Attachment weld region
- Nozzle cylinder region
- Nozzle inside corner region

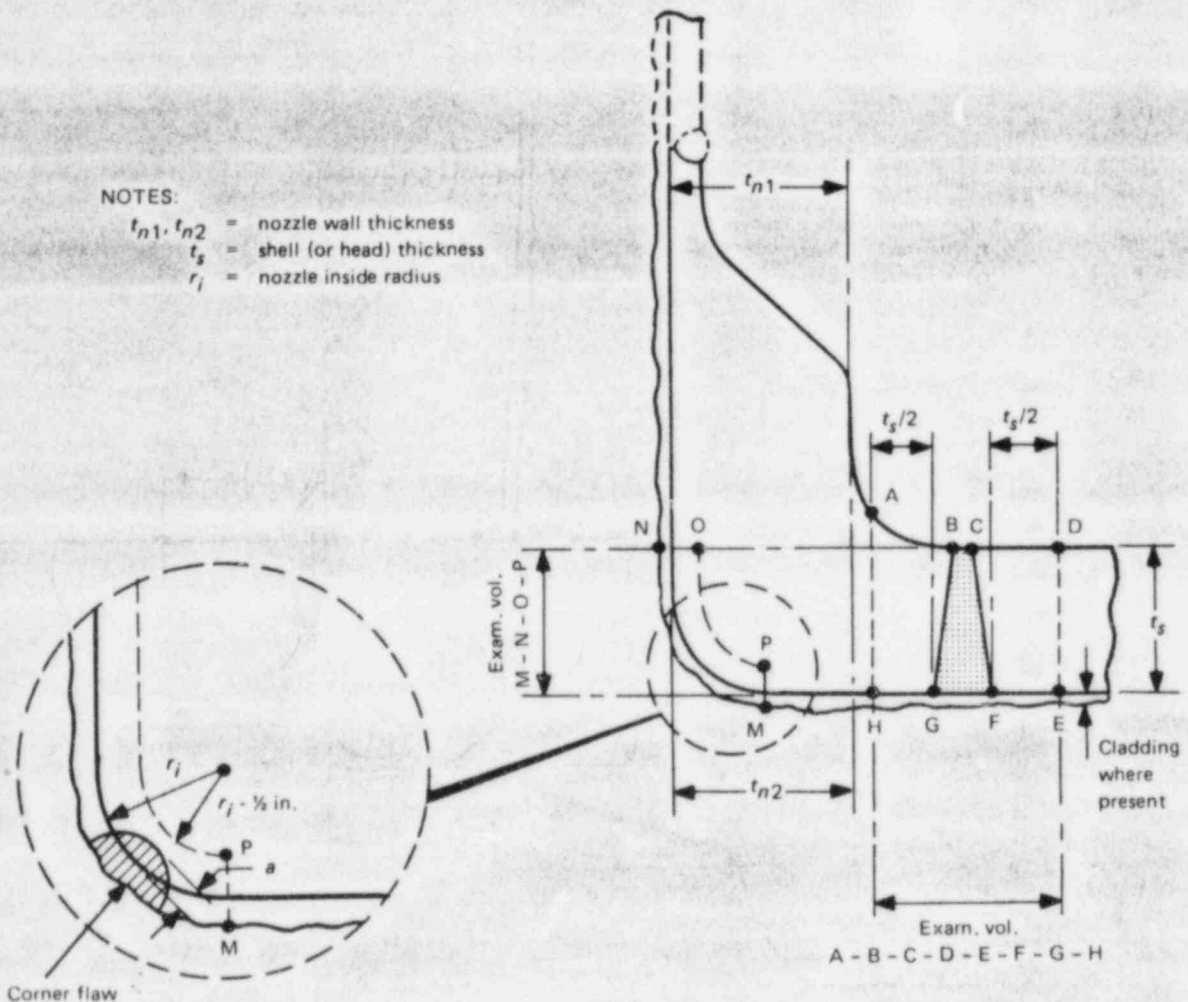
EXAMINATION VOLUME²

- C-D-E-F
- B-C-F-G
- A-B-G-H-I
- M-N-O-P

NOTES:

- (1) Examination regions are identified for the purpose of differentiating the acceptance standards in IWB-3512.
- (2) Examination volumes may be determined either by direct measurements on the component or by measurements based on design drawings.

FIG. IWB-2500-7(a) NOZZLE IN SHELL OR HEAD
 (Examination Zones in Barrel Type Nozzles Joined by Full Penetration Corner Welds)



NOTES:

- t_{n1}, t_{n2} = nozzle wall thickness
- t_s = shell (or head) thickness
- r_i = nozzle inside radius

EXAMINATION REGION¹

- Shell (or head) adjoining region
- Attachment weld region
- Nozzle cylinder region
- Nozzle inside corner region

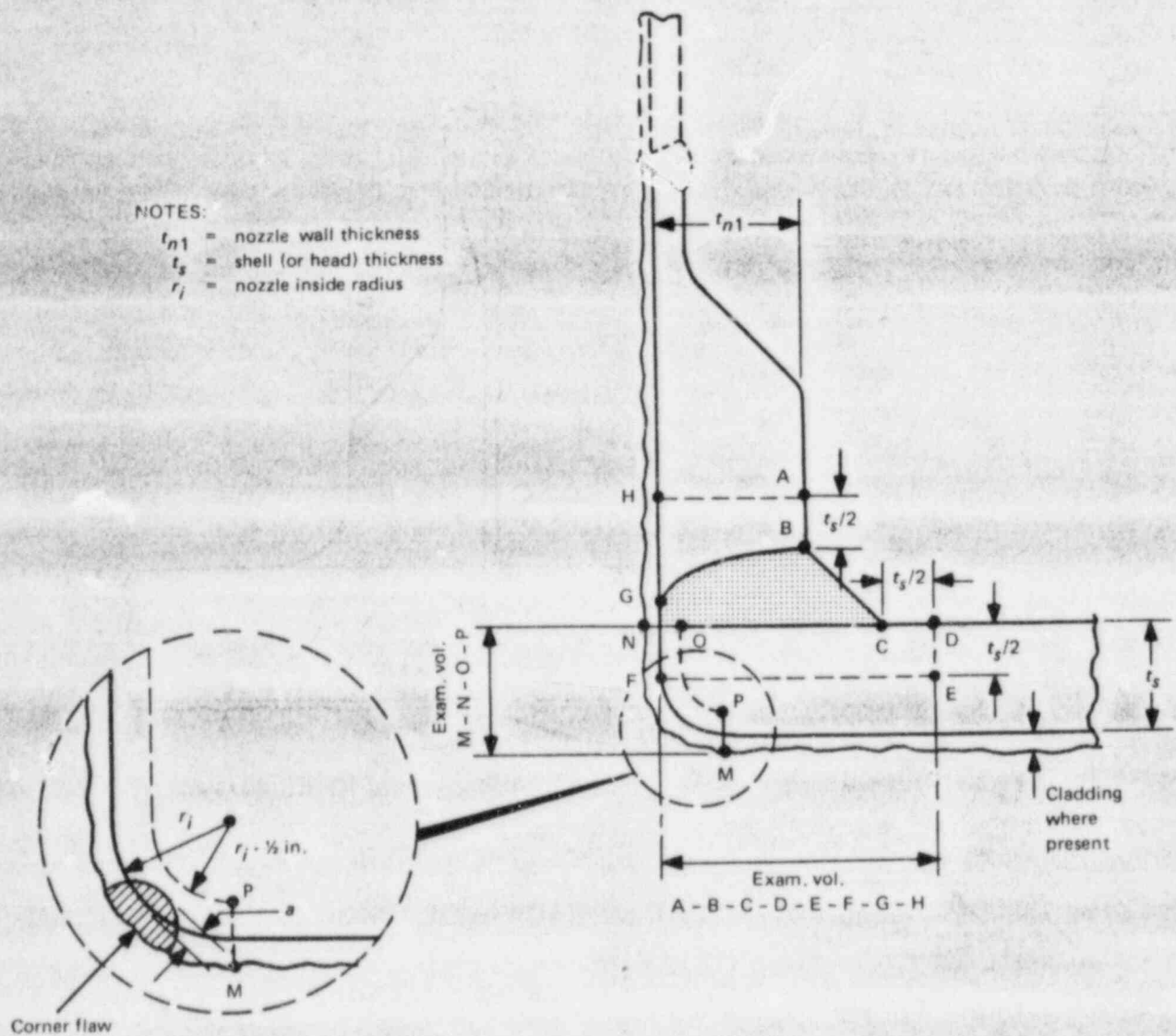
EXAMINATION VOLUME²

- C-D-E-F
- B-C-F-G
- A-B-G-H
- M-N-O-P

NOTES:

- (1) Examination regions are identified for the purpose of differentiating the acceptance standards in IWB-3512.
- (2) Examination volumes may be determined either by direct measurements on the component or by measurements based on design drawings.

FIG. IWB-2500-7(b) NOZZLE IN SHELL OR HEAD
(Examination Zones in Flange Type Nozzles Joined by Full Penetration Butt Welds)



EXAMINATION REGION¹

- Shell (or head) adjoining region
- Attachment weld region
- Nozzle cylinder region
- Nozzle inside corner region

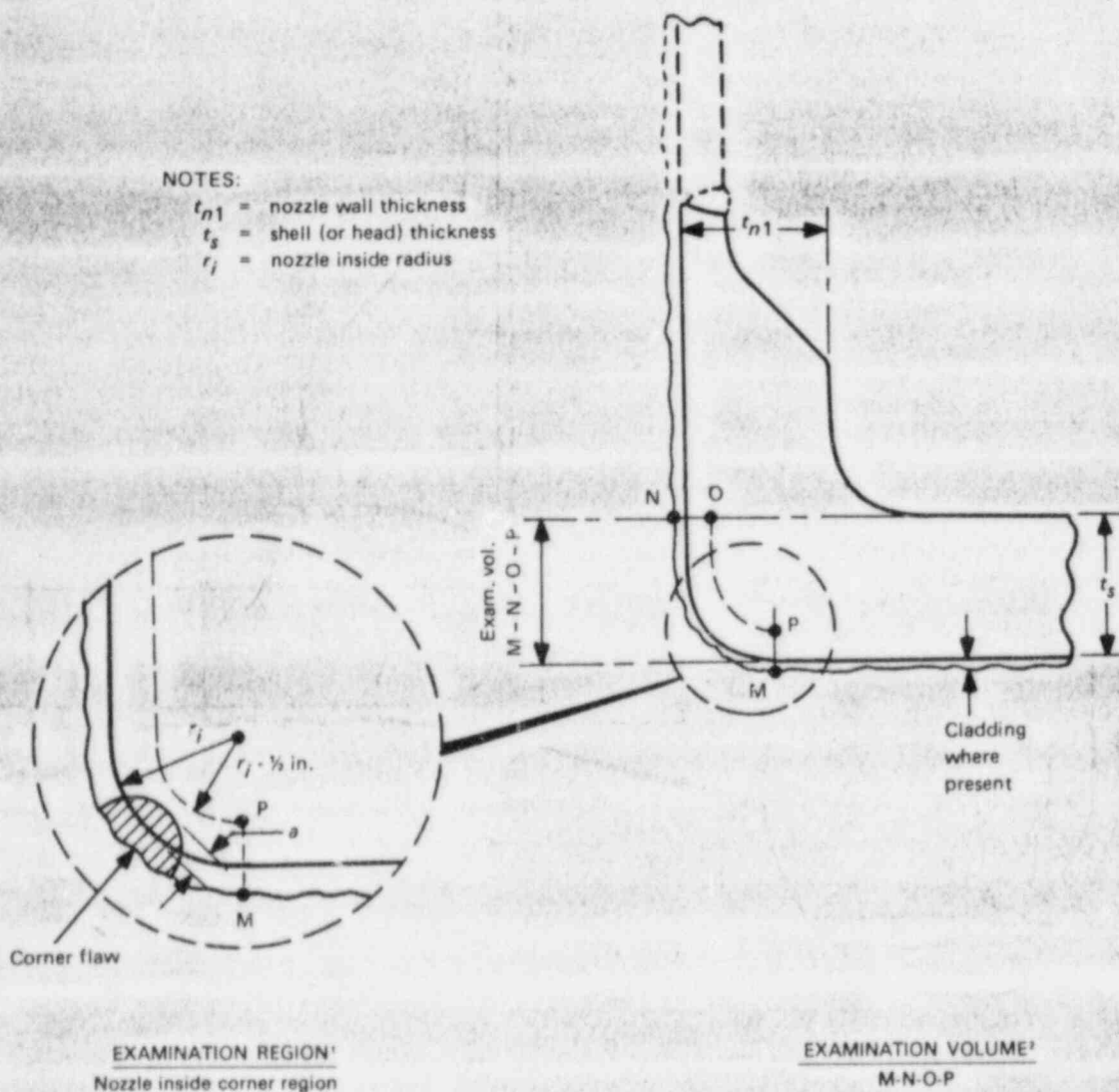
EXAMINATION VOLUME²

- C-D-E-F-G
- B-C-G
- A-B-G-H
- M-N-O-P

NOTES:

- (1) Examination regions are identified for the purpose of differentiating the acceptance standards in IWB-3512.
- (2) Examination volumes may be determined either by direct measurements on the component or by measurements based on design drawings.

FIG. IWB-2500-7(c) NOZZLE IN SHELL OR HEAD
(Examination Zones in Set-On Type Nozzles Joined by Full Penetration Corner Welds)

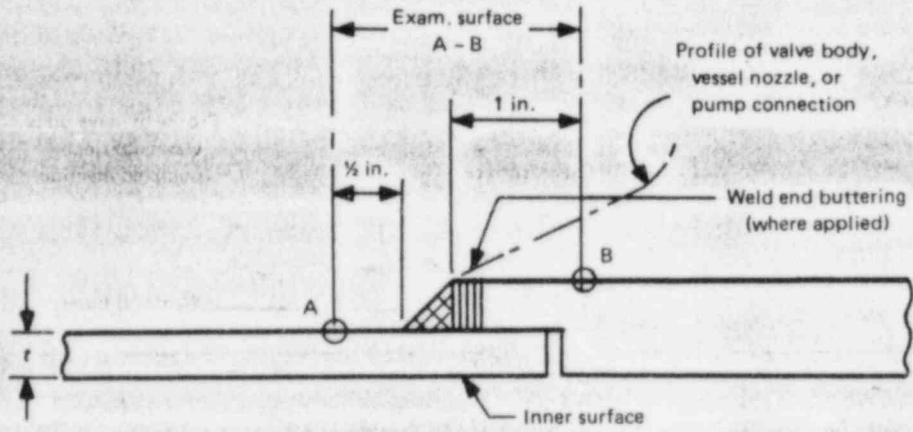


NOTES:

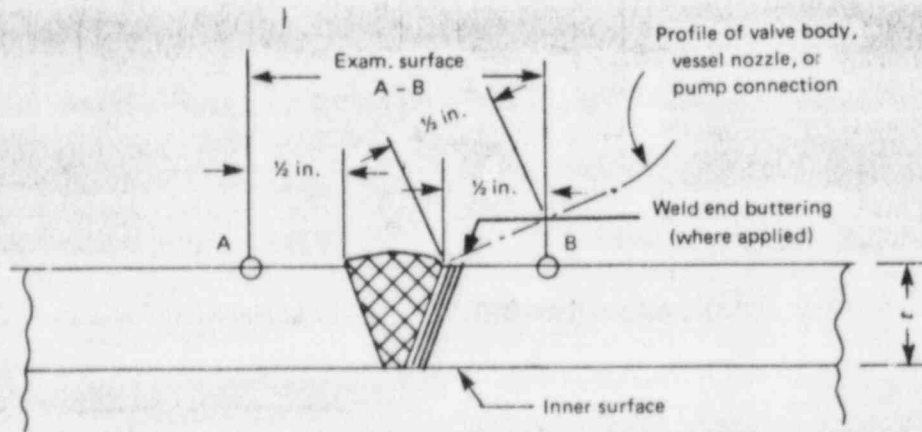
- (1) Examination regions are identified for the purpose of differentiating the acceptance standards in IWB-3512.
- (2) Examination volumes may be determined either by direct measurements on the component or by measurements based on design drawings.

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FIG. IWB-2500-7(d) NOZZLE IN SHELL OR HEAD
(Examination Zone in Nozzles Integrally Cast or Formed in Shell or Head)



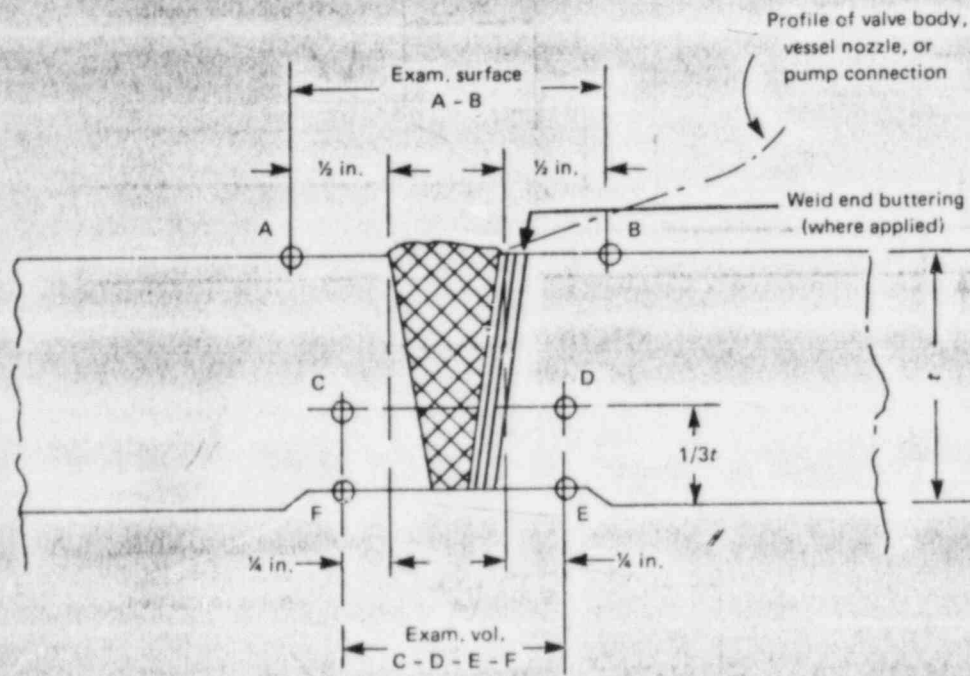
(a) Socket Welded Piping



(b) NPS < 4 in.

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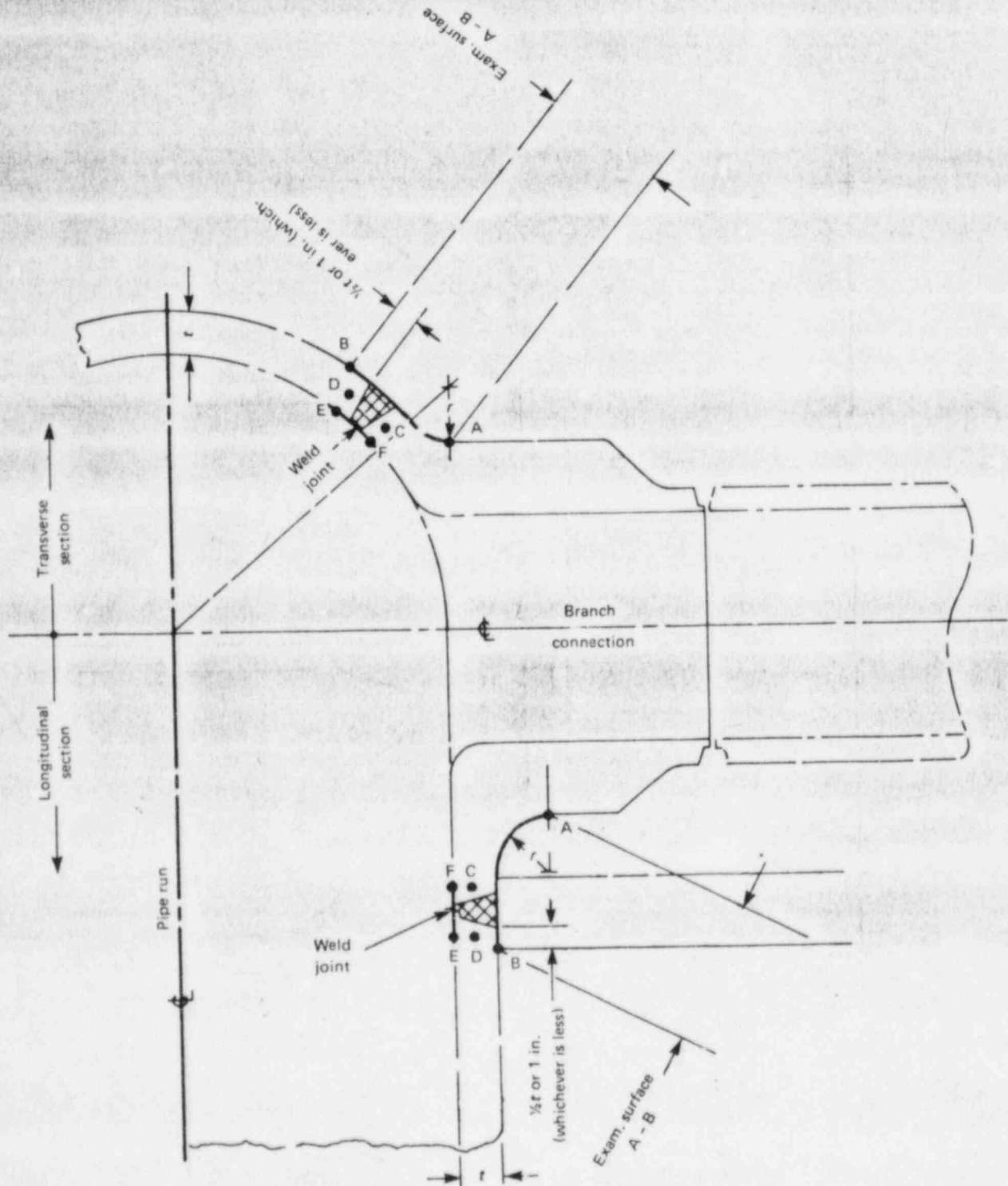
FIG. IWB-2500-8 SIMILAR AND DISSIMILAR METAL WELDS IN COMPONENTS AND PIPING



(c) NPS > 4 in.

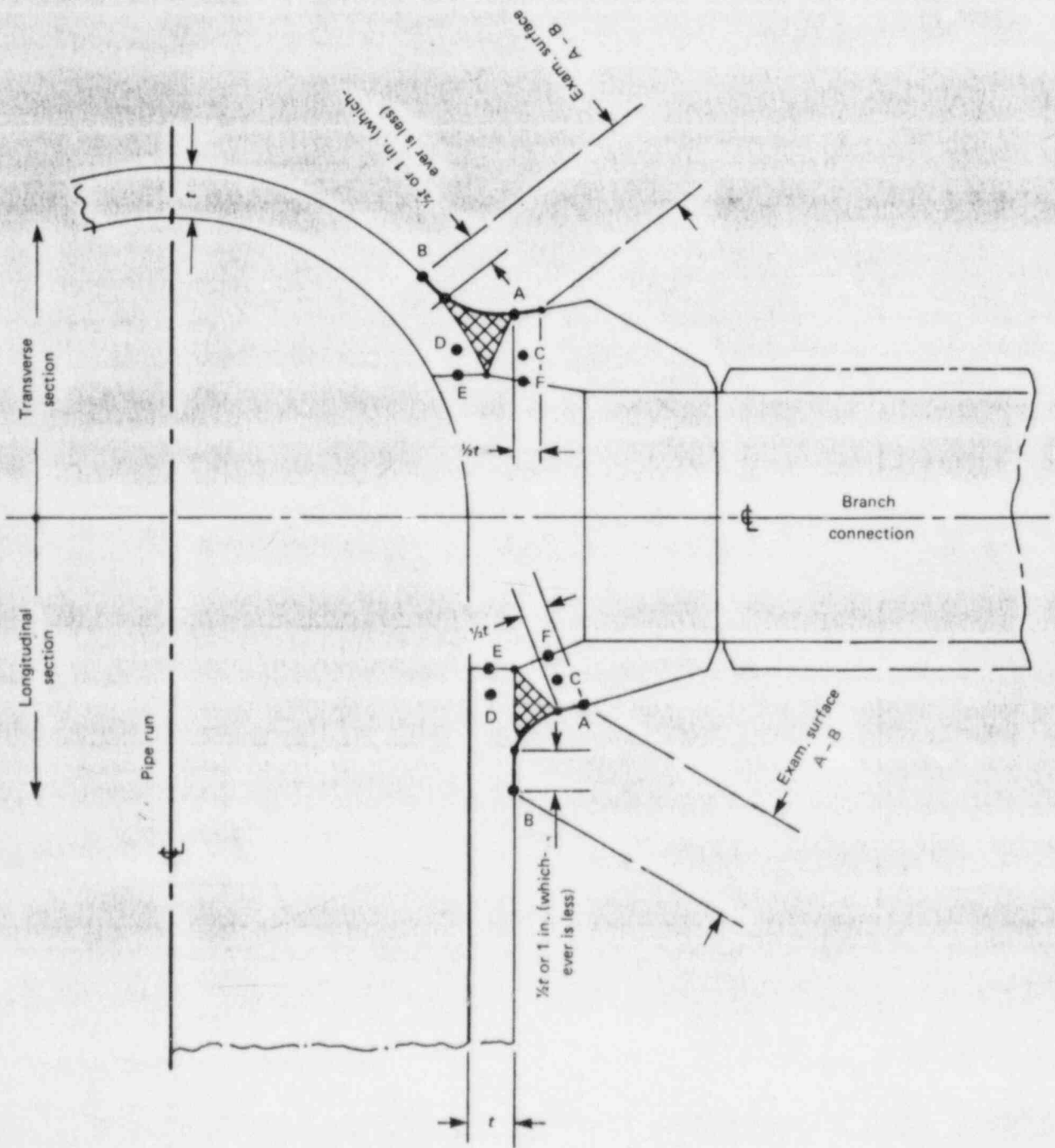
W80

FIG. IWB-2500-8 SIMILAR AND DISSIMILAR METAL WELDS IN COMPONENTS AND PIPING (CONT'D)



NOTE: Examination volumes C - D - E - F are defined per Fig. IWB-2500-8.

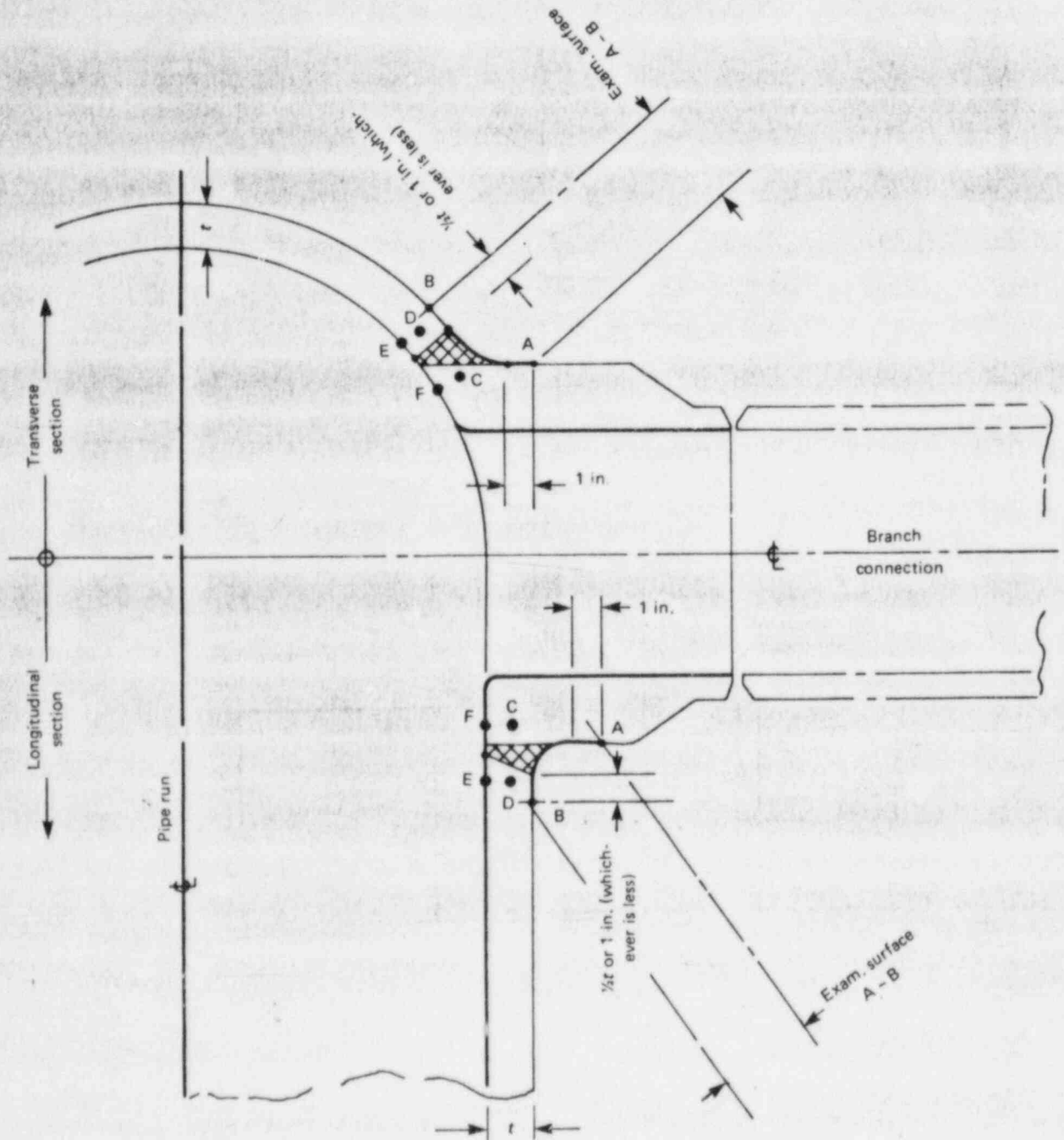
FIG. IWB-2500-9 PIPE BRANCH CONNECTION



NOTE: Examination volumes C - D - E - F are defined per Fig. IWB-2500-8.

FIG. IWB-2500-10 PIPE BRANCH CONNECTION

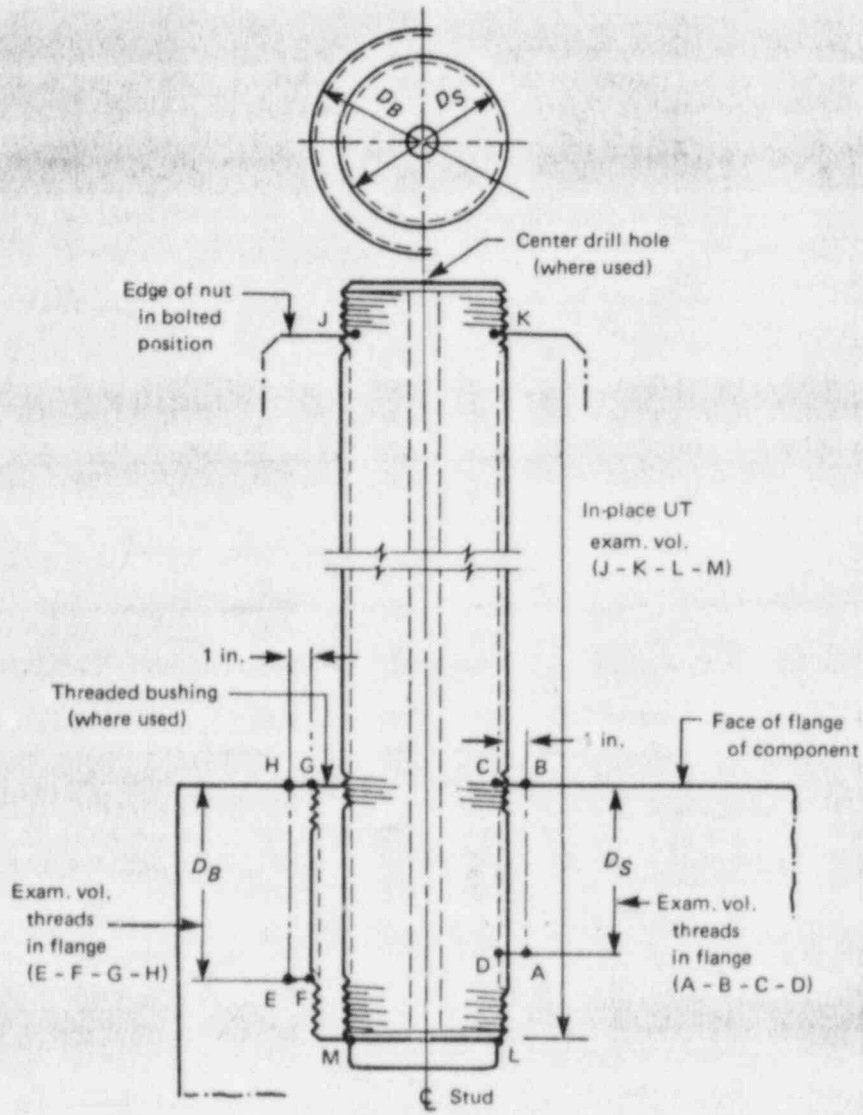
W80
W81



NOTE: Examination volumes C - D - E - F are defined per Fig. IWB-2500-B.

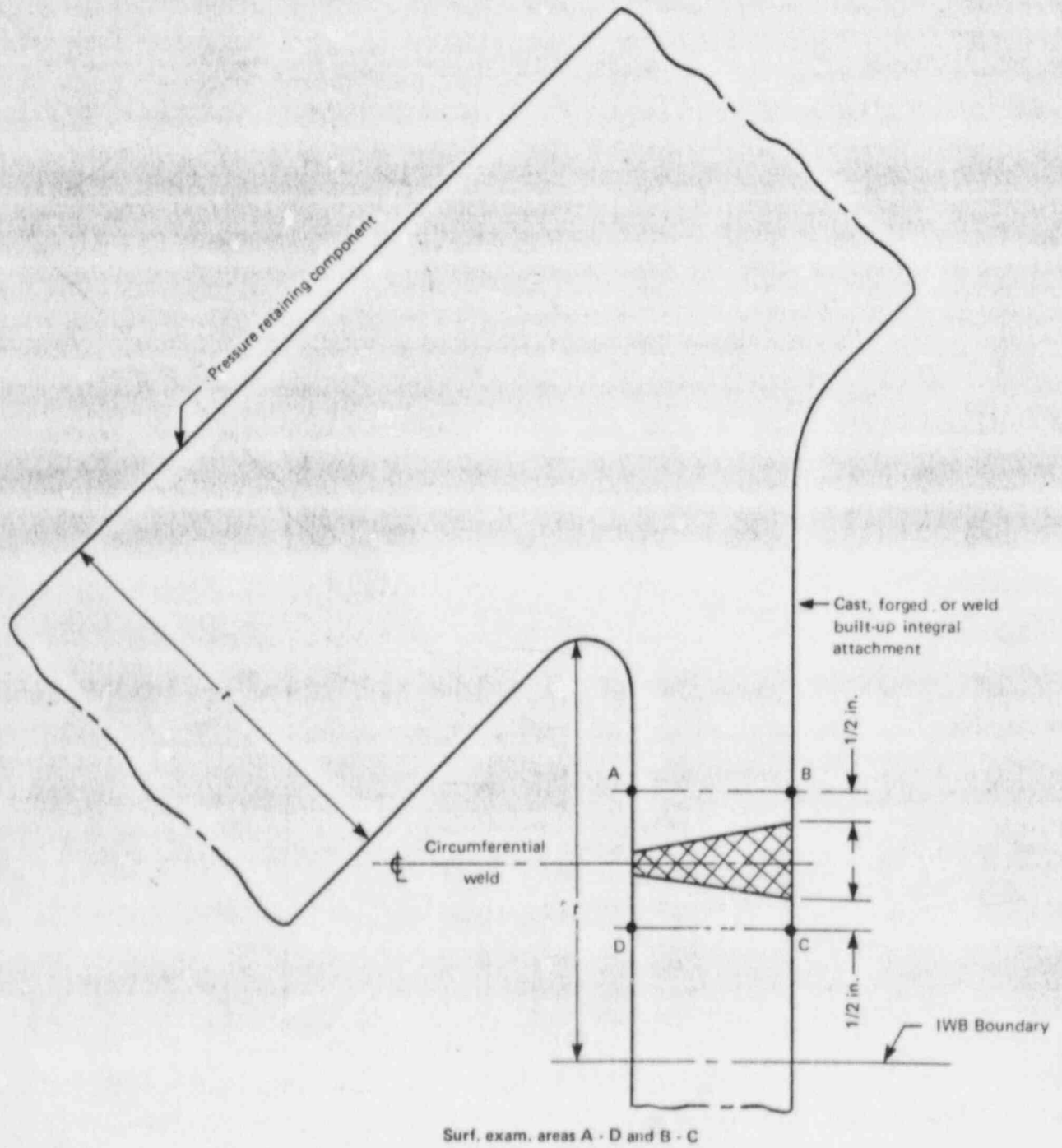
FIG. IWB-2500-11 PIPE BRANCH CONNECTION

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NOTE: D_B is the diameter of the threaded bushing;
 D_S is the diameter of the stud.

FIG. IWB-2500-12 CLOSURE STUD AND THREADS IN FLANGE STUD HOLE



GENERAL NOTE:

A volumetric examination of volume A - B - C - D from one side (B - C) of the circumferential weld may be performed in lieu of the surface examinations.

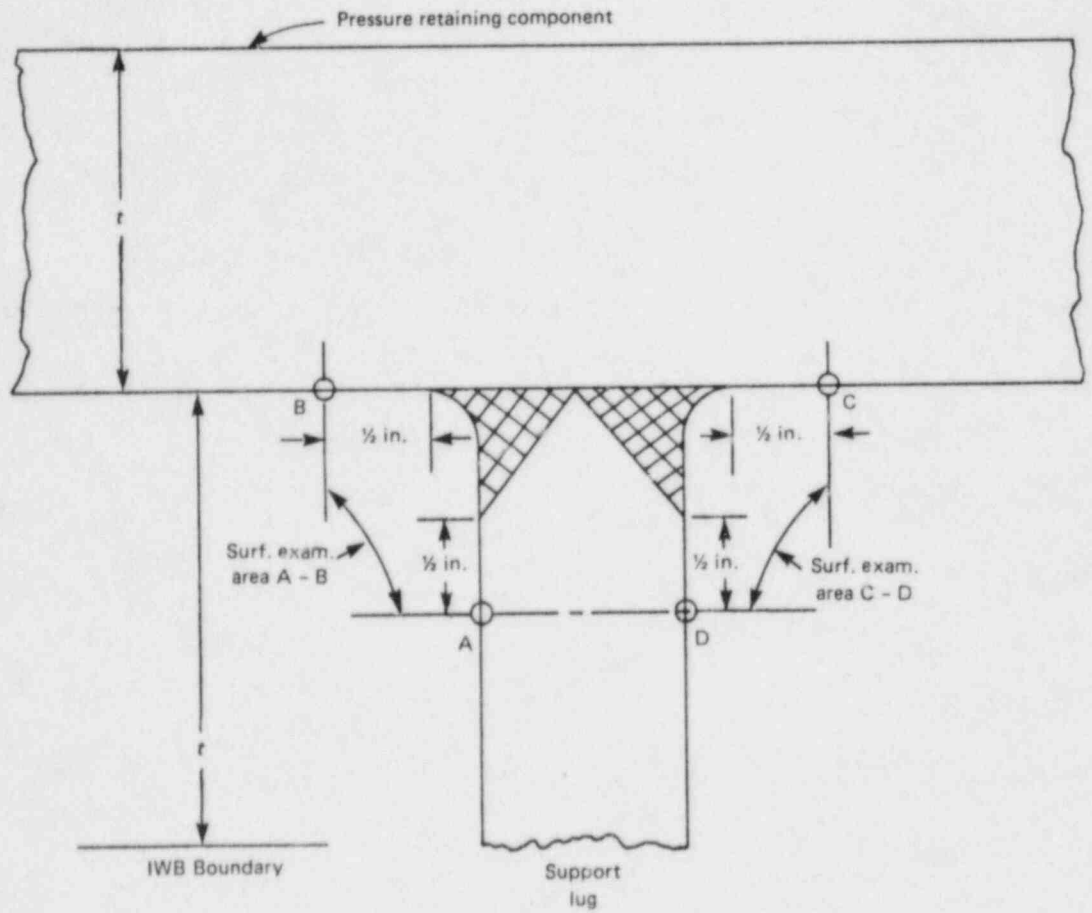


FIG. IWB-2500-15 INTEGRAL ATTACHMENT

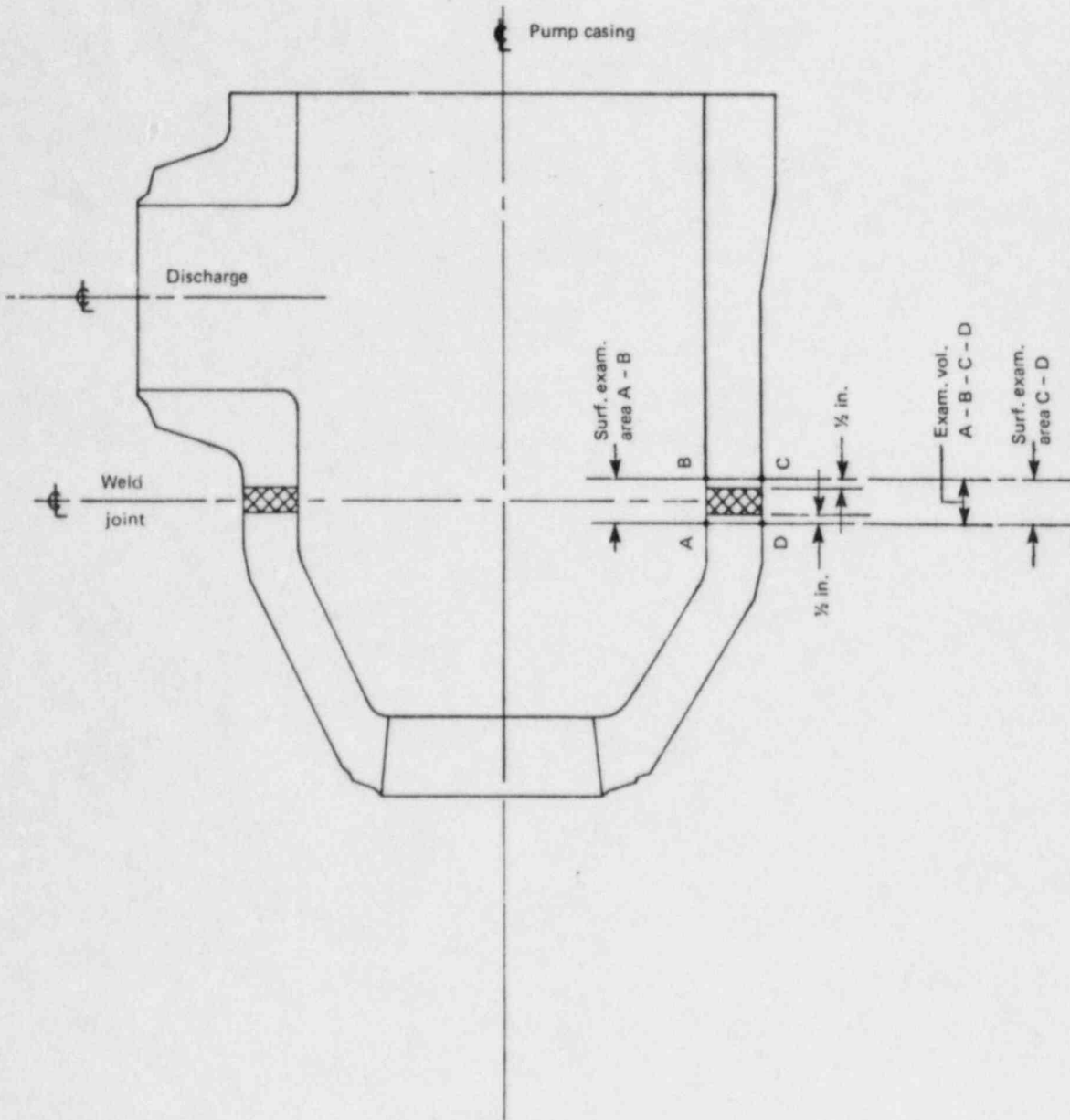


FIG. IWB-2500-16 PUMP CASING WELD
[Type F Pump (Section III)]

REQUIREMENTS FOR CLASS 1 COMPONENTS

Fig. IWB-2500-17

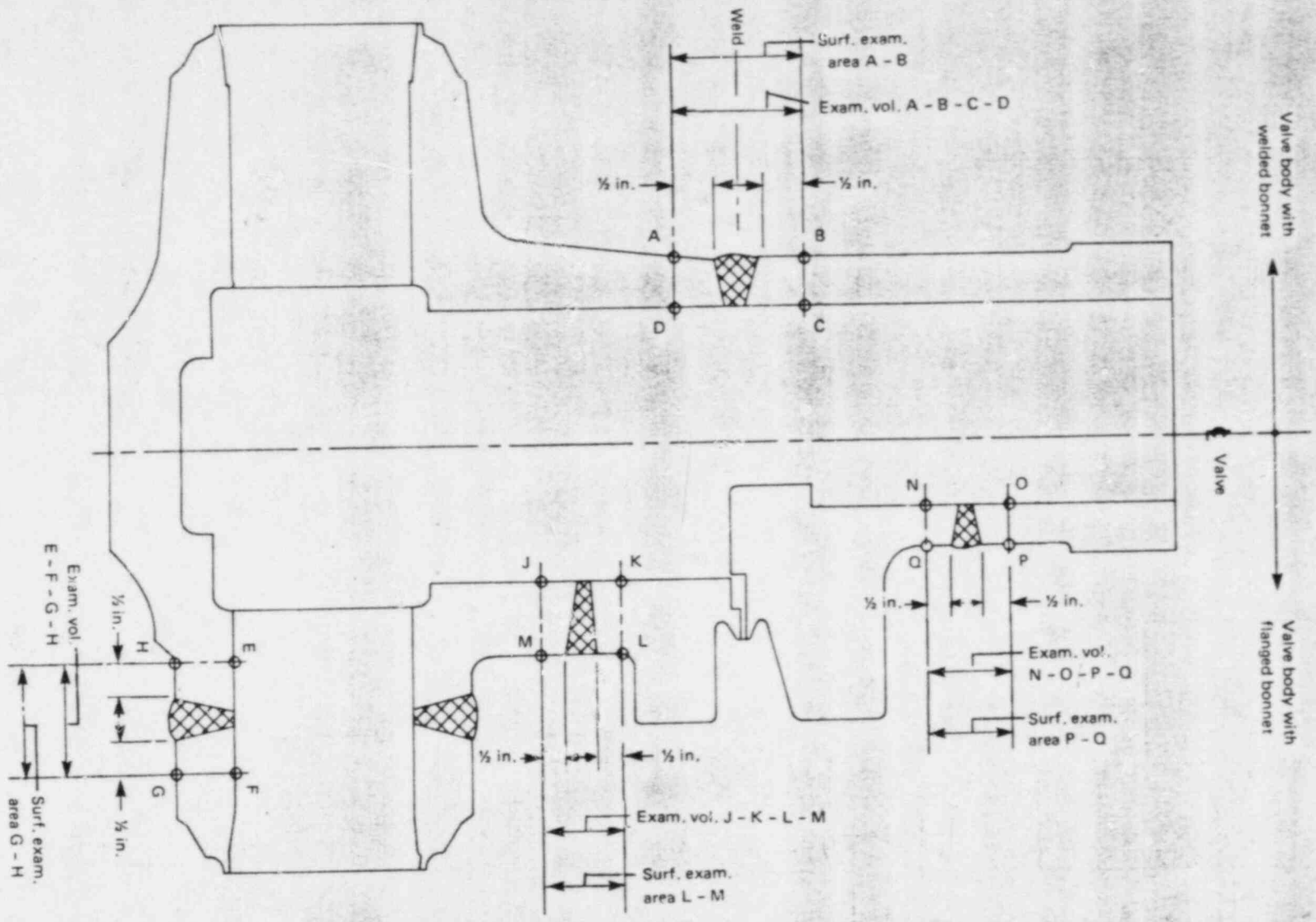
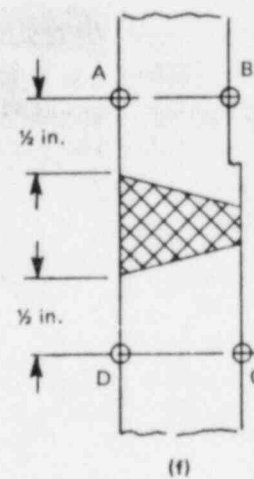
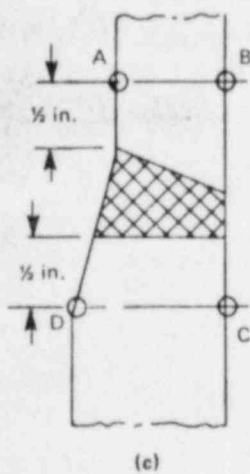
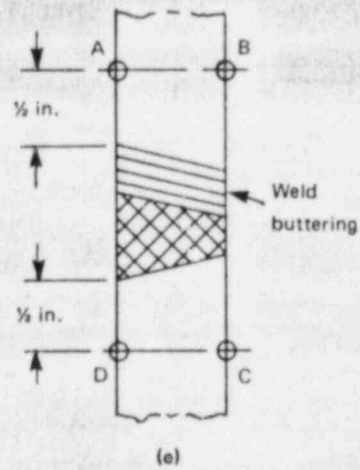
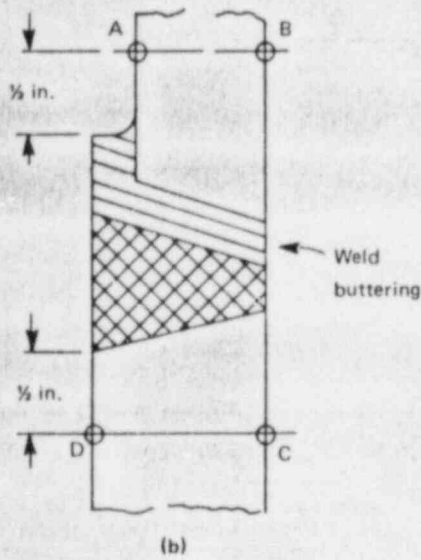
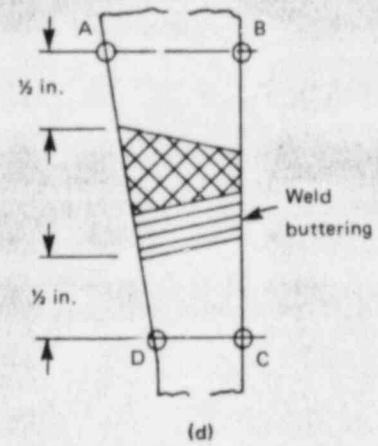
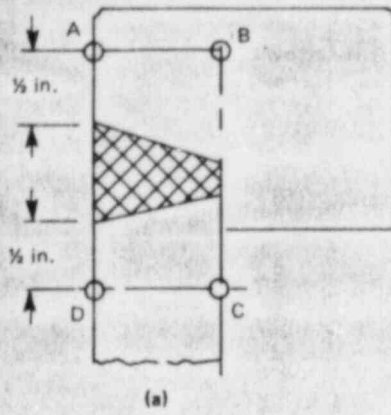


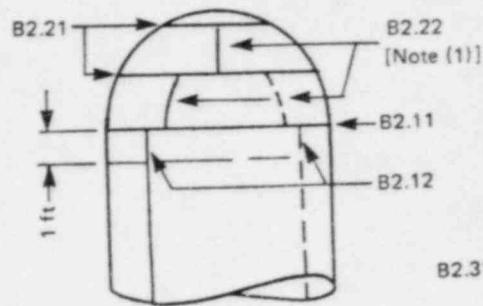
FIG. IWB-2500-17 VALVE BODY WELDS



Examination Volume A - B - C - D
Surface Examination Area A - D

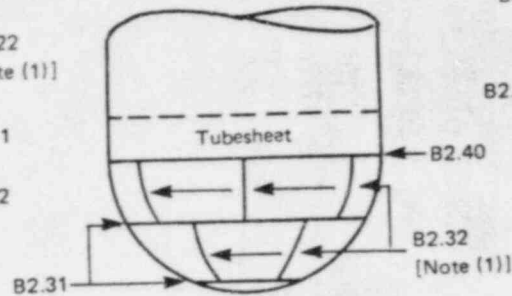
FIG. IWB-2500-18 CONTROL ROD DRIVE HOUSING WELDS

Pressurizer



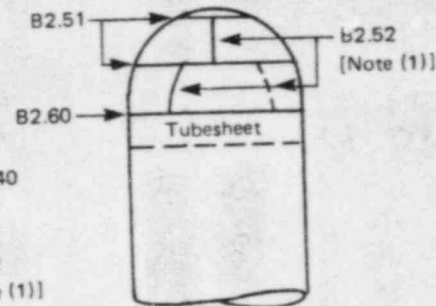
(a) 1st Inspection Interval

Steam Generators



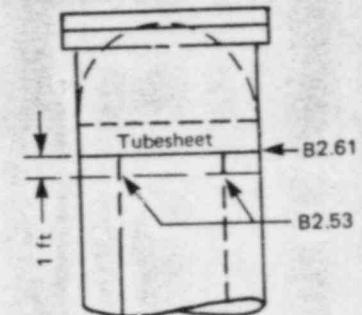
(c) 1st Inspection Interval
(Each Steam Generator)

Heat Exchangers
Class 1 Side - Head



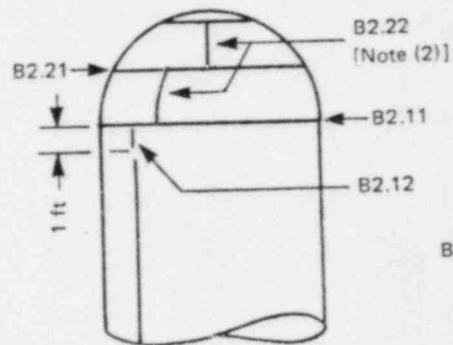
(e) 1st Inspection Interval
(Each Exchanger)

Heat Exchangers
Class 1 Side - Shell

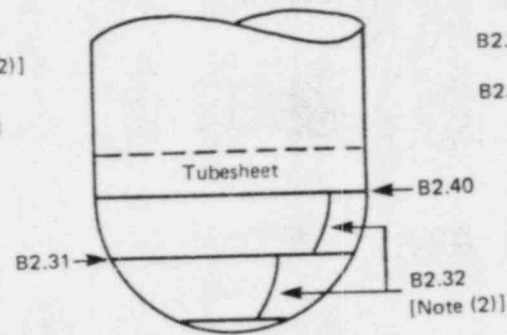


(g) 1st Inspection Interval
(Each Exchanger)

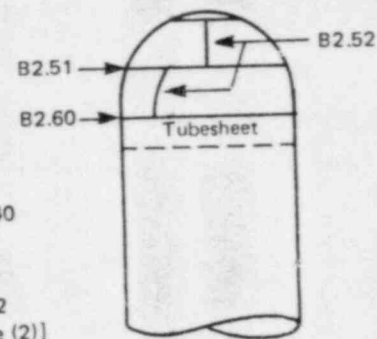
84.1



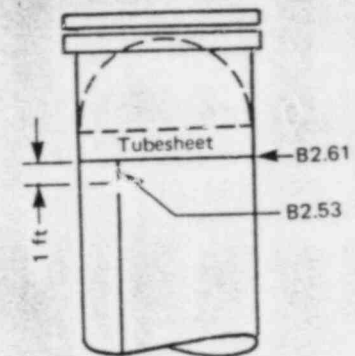
(b) 2nd, 3rd, and 4th
Inspection Intervals



(d) 2nd, 3rd, and 4th
Inspection Intervals
(One Steam Generator)



(f) 2nd, 3rd, and 4th
Inspection Intervals
(One Exchanger)



(h) 2nd, 3rd, and 4th
Inspection Intervals
(One Exchanger)

NOTES:

- (1) Includes welds within 180 deg. meridian of head.
- (2) Includes welds within 90 deg. meridian of head.

FIG. IWB-2500-20 EXTENT OF WELD EXAMINATION

REQUIREMENTS FOR CLASS 1 COMPONENTS

FIG. IWB-2500-20

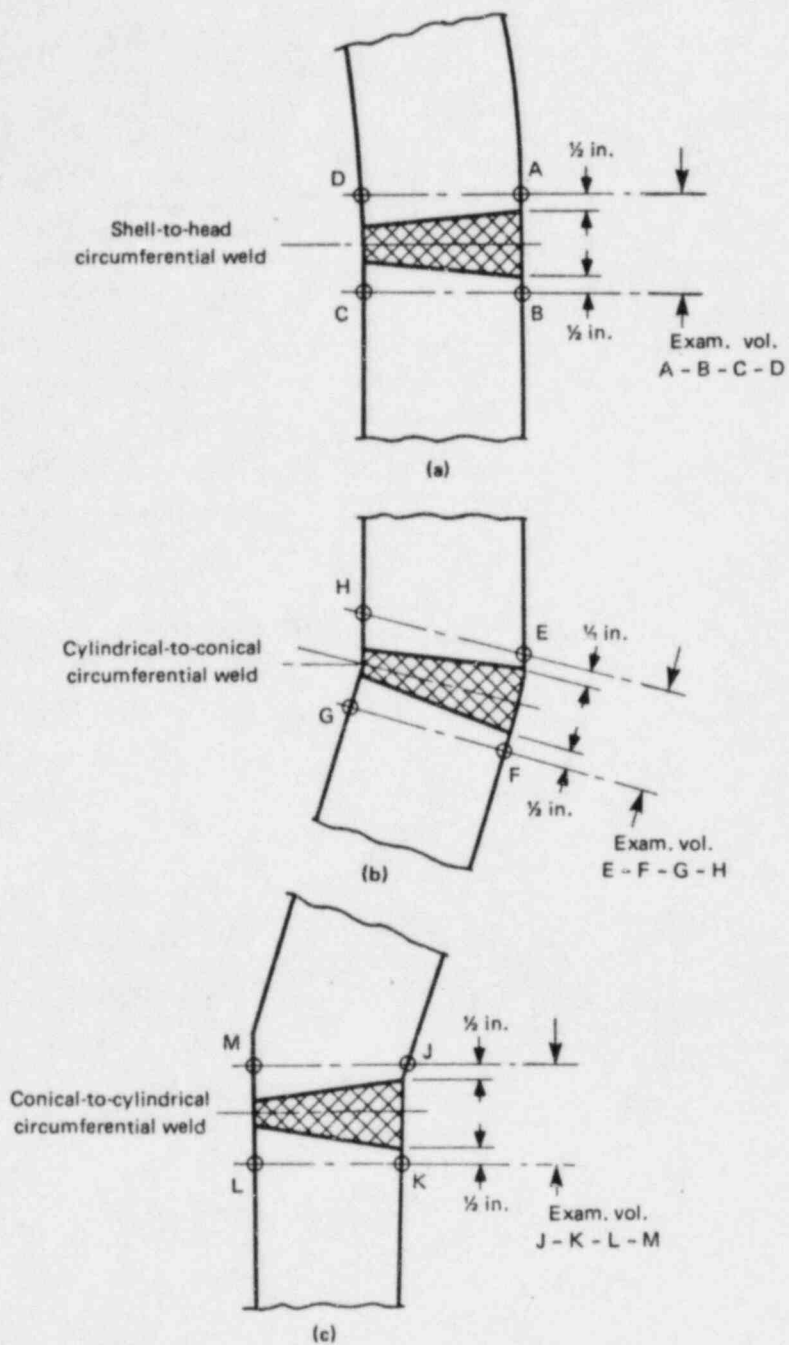


FIG. IWC-2500-1 VESSEL CIRCUMFERENTIAL WELDS

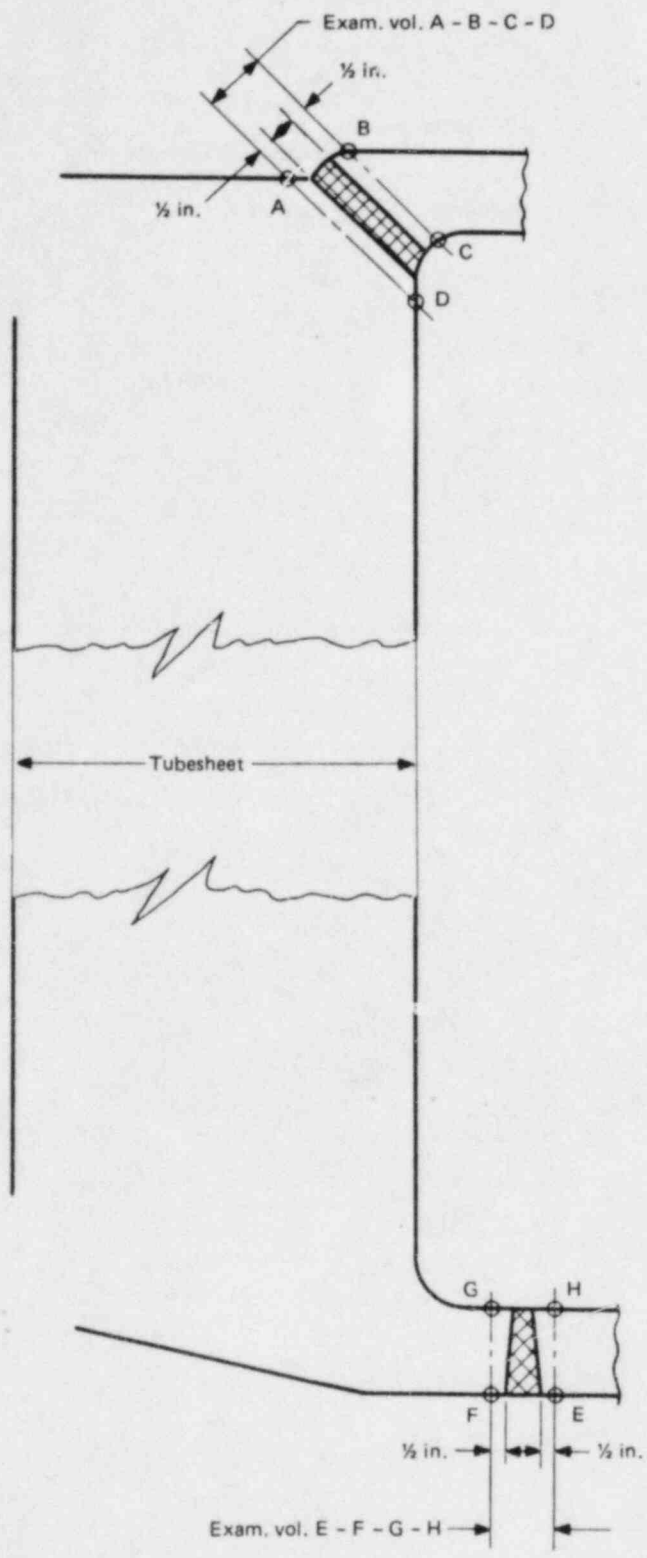
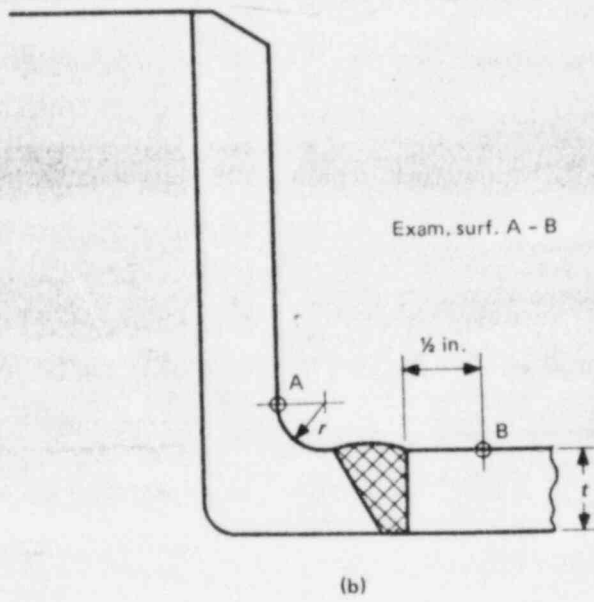
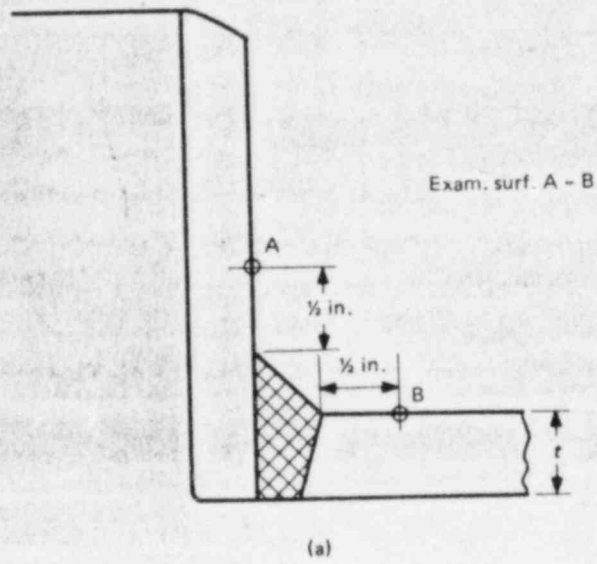
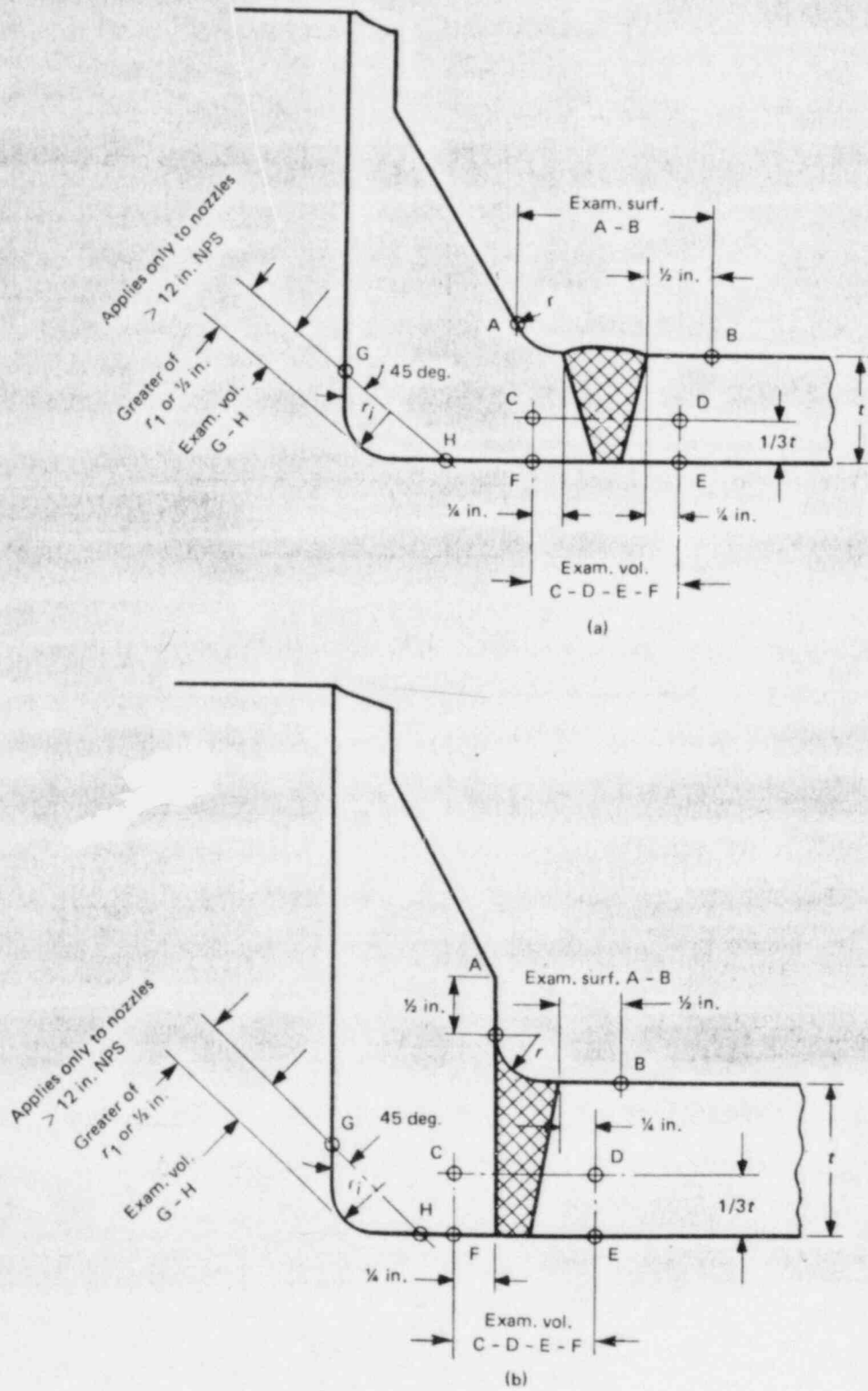


FIG. IWC-2500-2 TYPICAL TUBESHEET-TO-SHELL CIRCUMFERENTIAL WELDS (Steam Generator Designs)



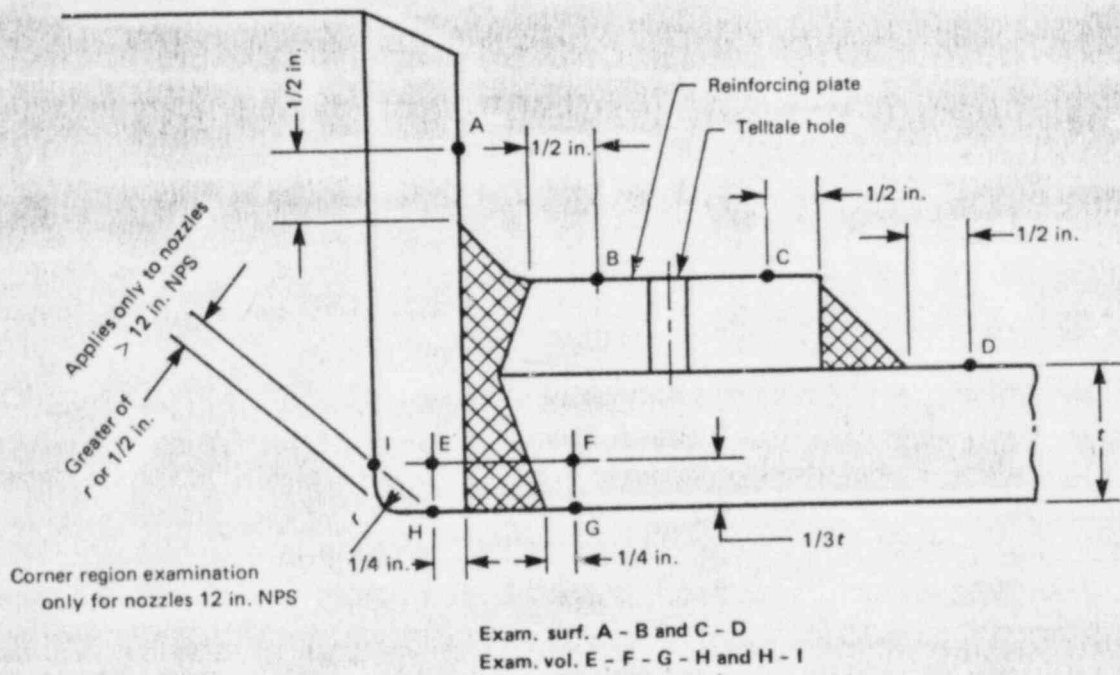
GENERAL NOTE: Nozzles sizes over 4 in. NPS;
vessel thickness $t \leq \frac{1}{2}$ in.

FIG. IWC-2500-3 NOZZLE-TO-VESSEL WELDS



GENERAL NOTE: Nozzle sizes over 4 in. NPS; vessel thickness over $\frac{1}{2}$ in.

FIG. IWC-2500-4 NOZZLE-TO-VESSEL WELDS



(c)

FIG. IWC-2500-4 NOZZLE-TO-VESSEL WELDS (CONT'D)

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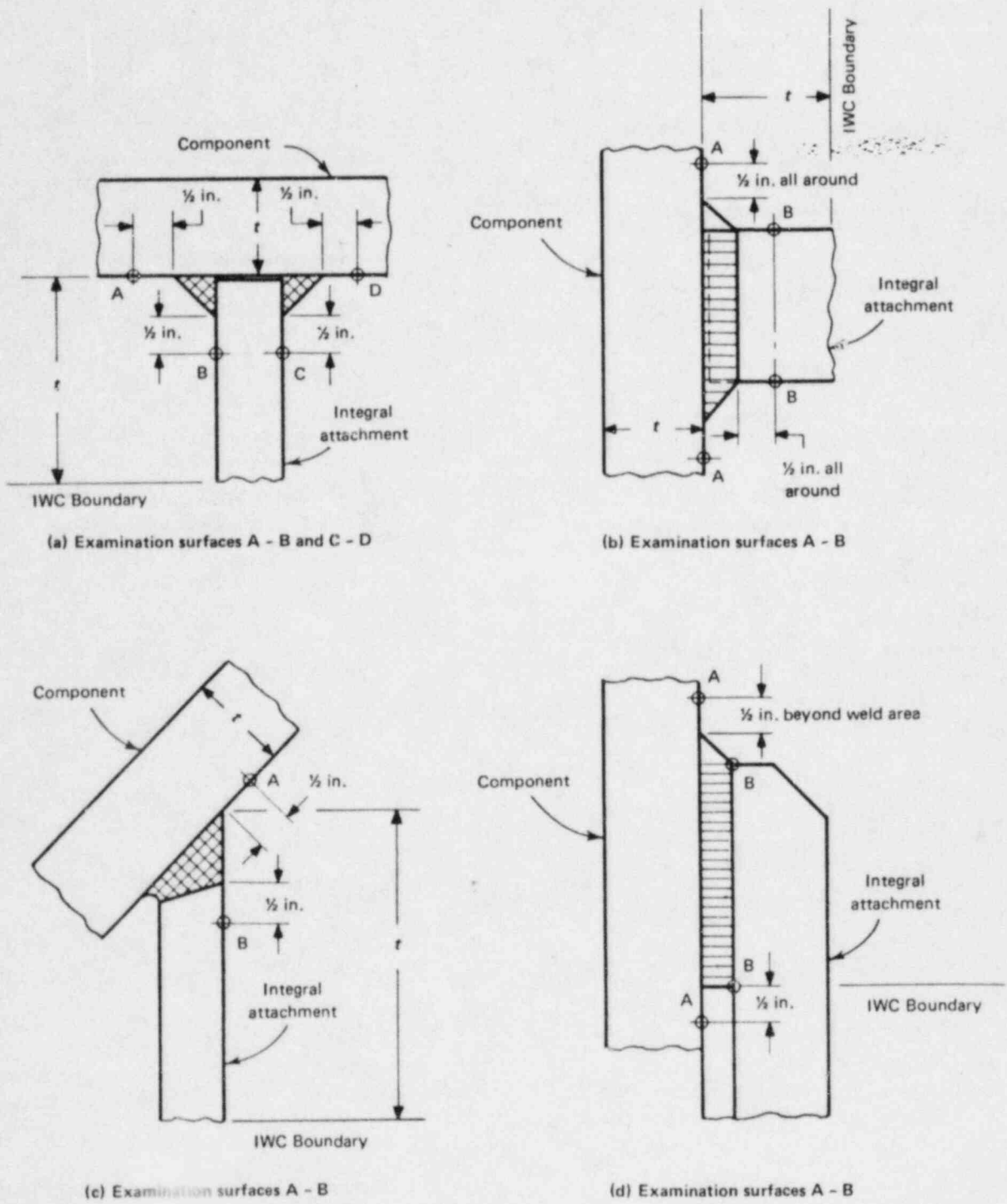


FIG. IWC-2500-5 INTEGRALLY WELDED ATTACHMENTS

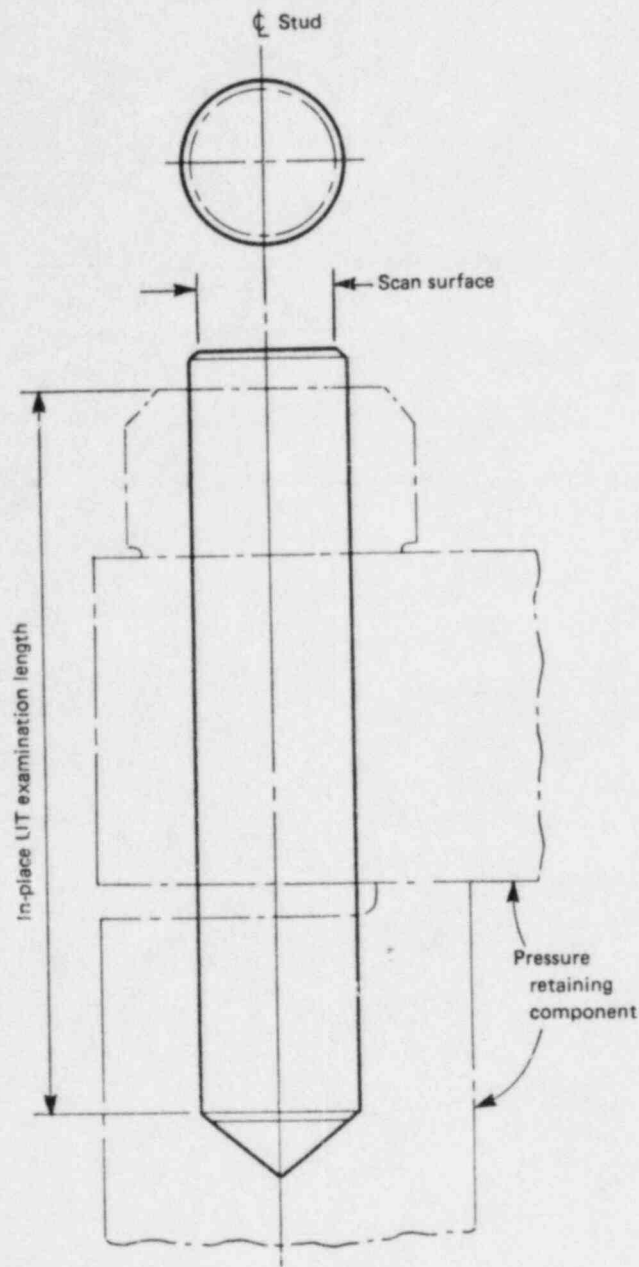
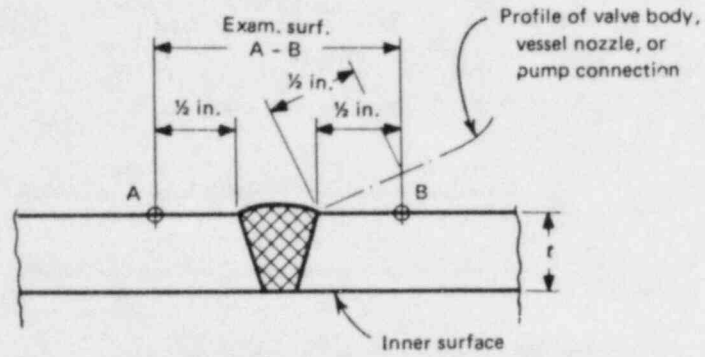
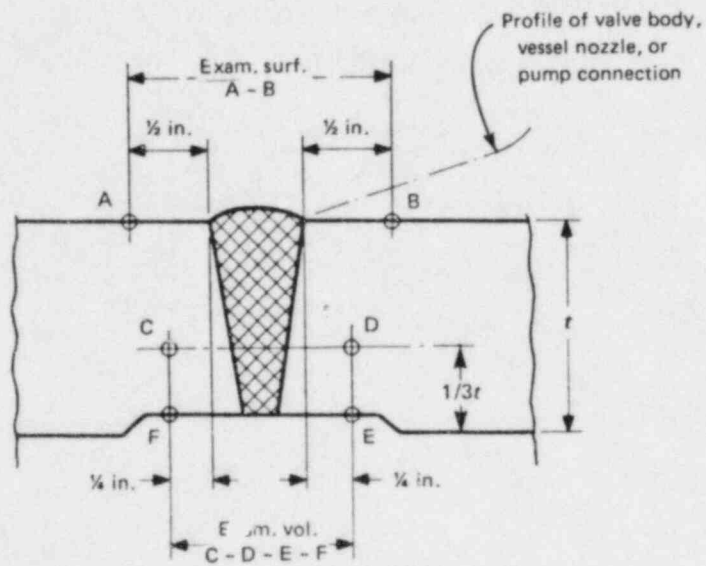


FIG. IWC-2500-6 PRESSURE RETAINING BOLTING



(a) Nominal pipe wall thickness $t \leq 1/2$ in.



(b) Nominal pipe wall thickness $t > 1/2$ in.

FIG. IWC-2500-7 WELDS IN PIPING

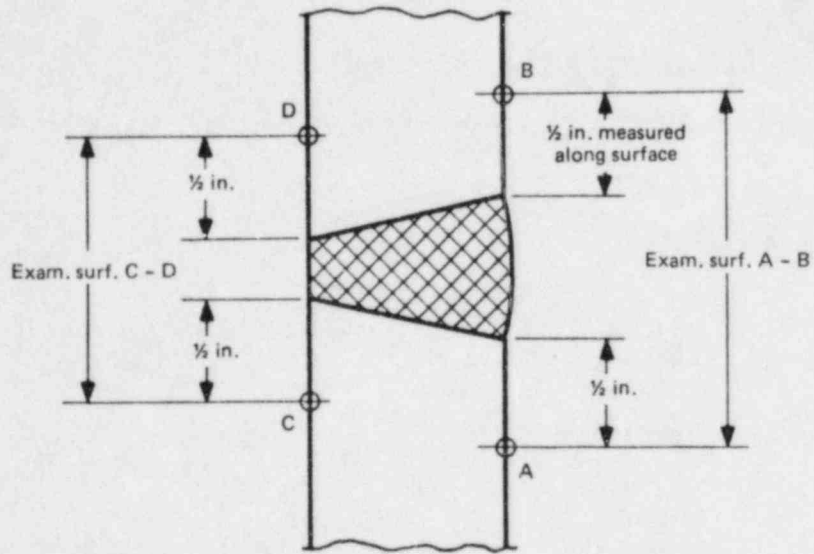


FIG. IWC-2500-8 WELDS IN PUMP CASING AND VALVE BODIES

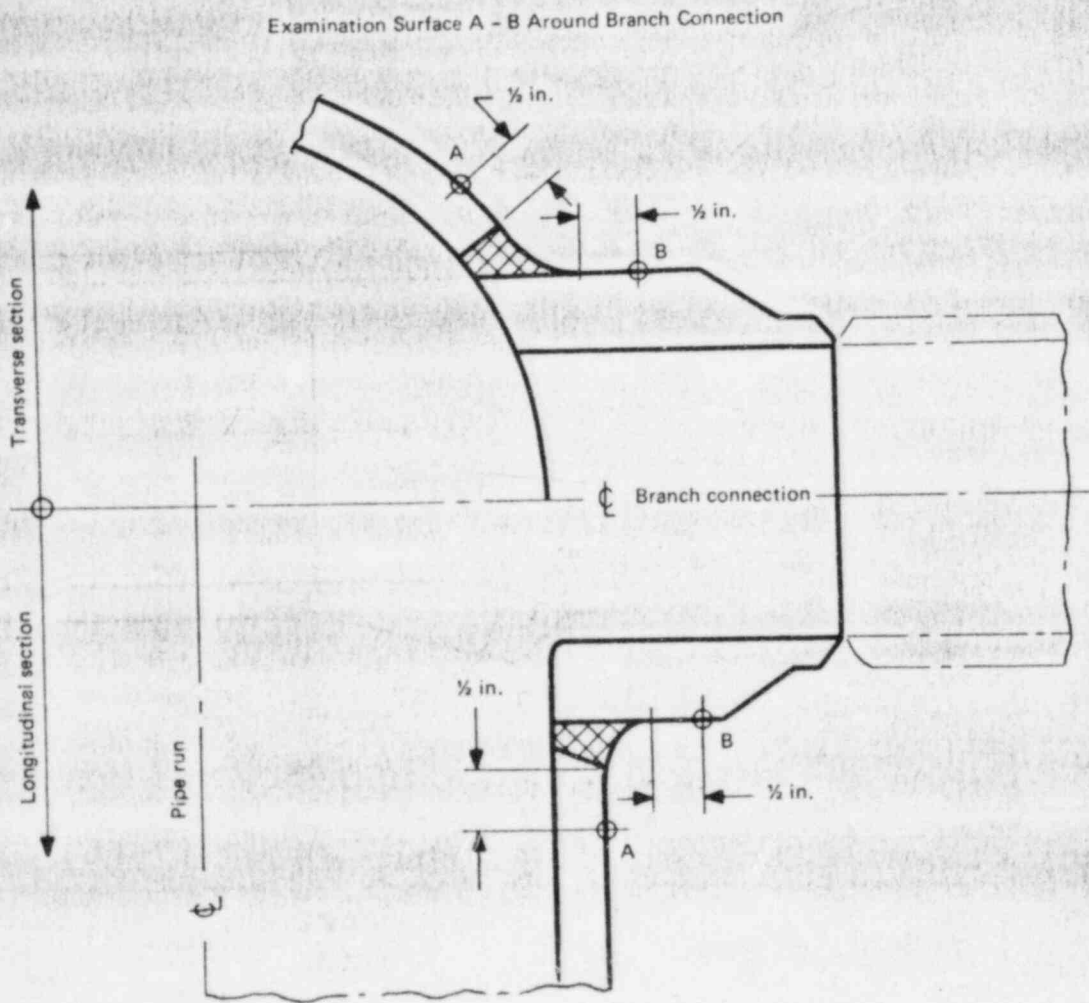
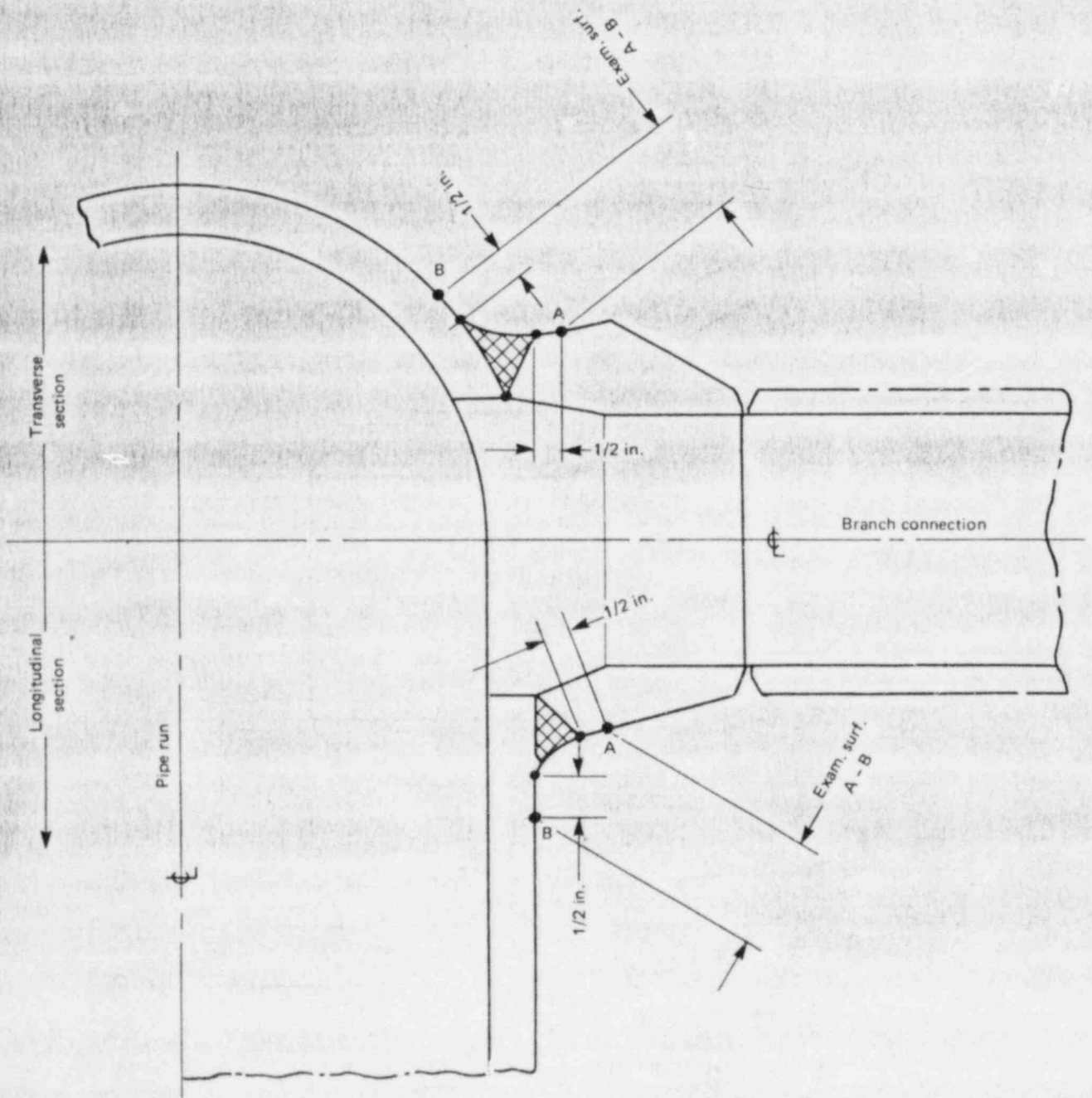
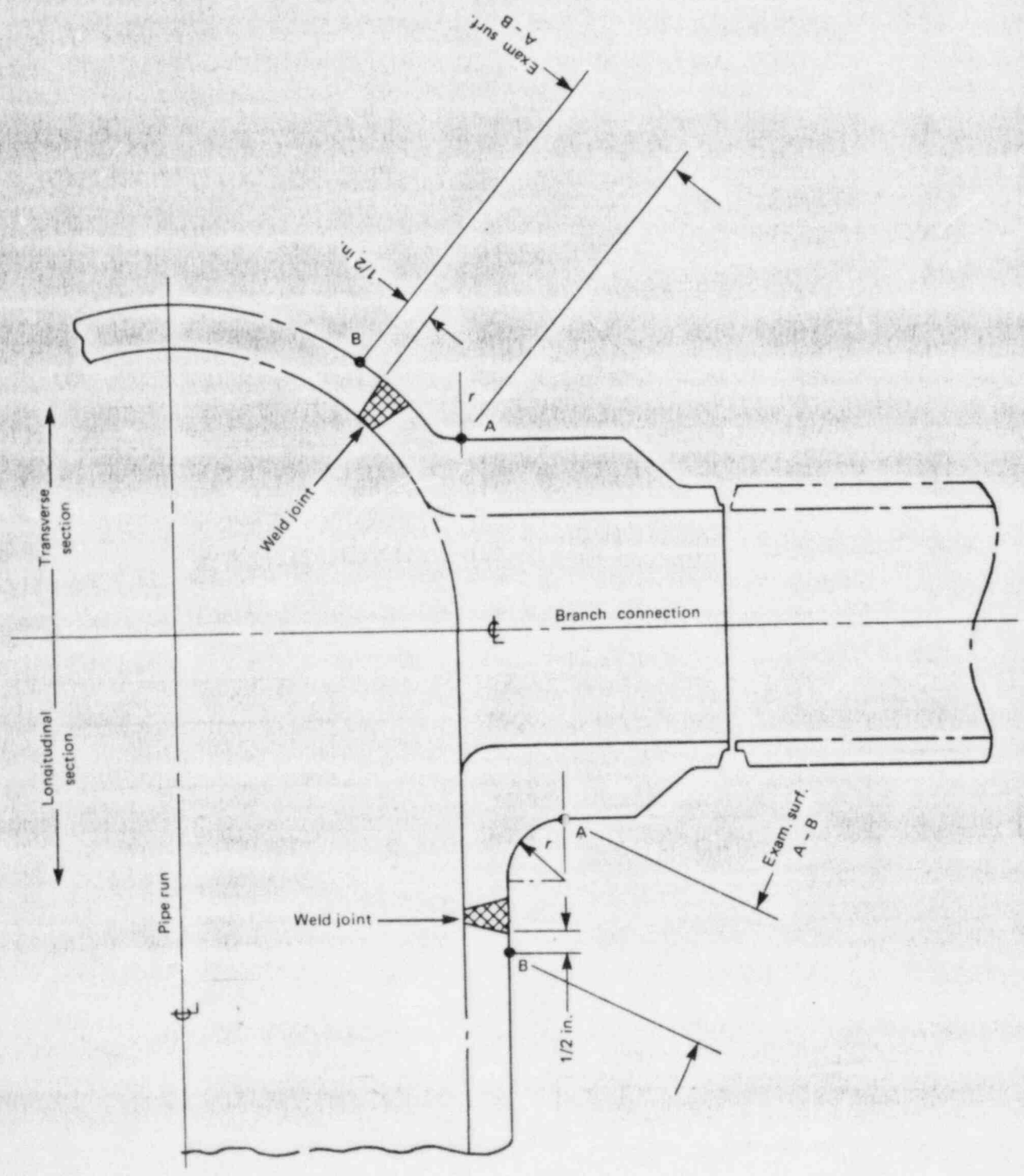


FIG. IWC-2500-9 BRANCH CONNECTION WELDS



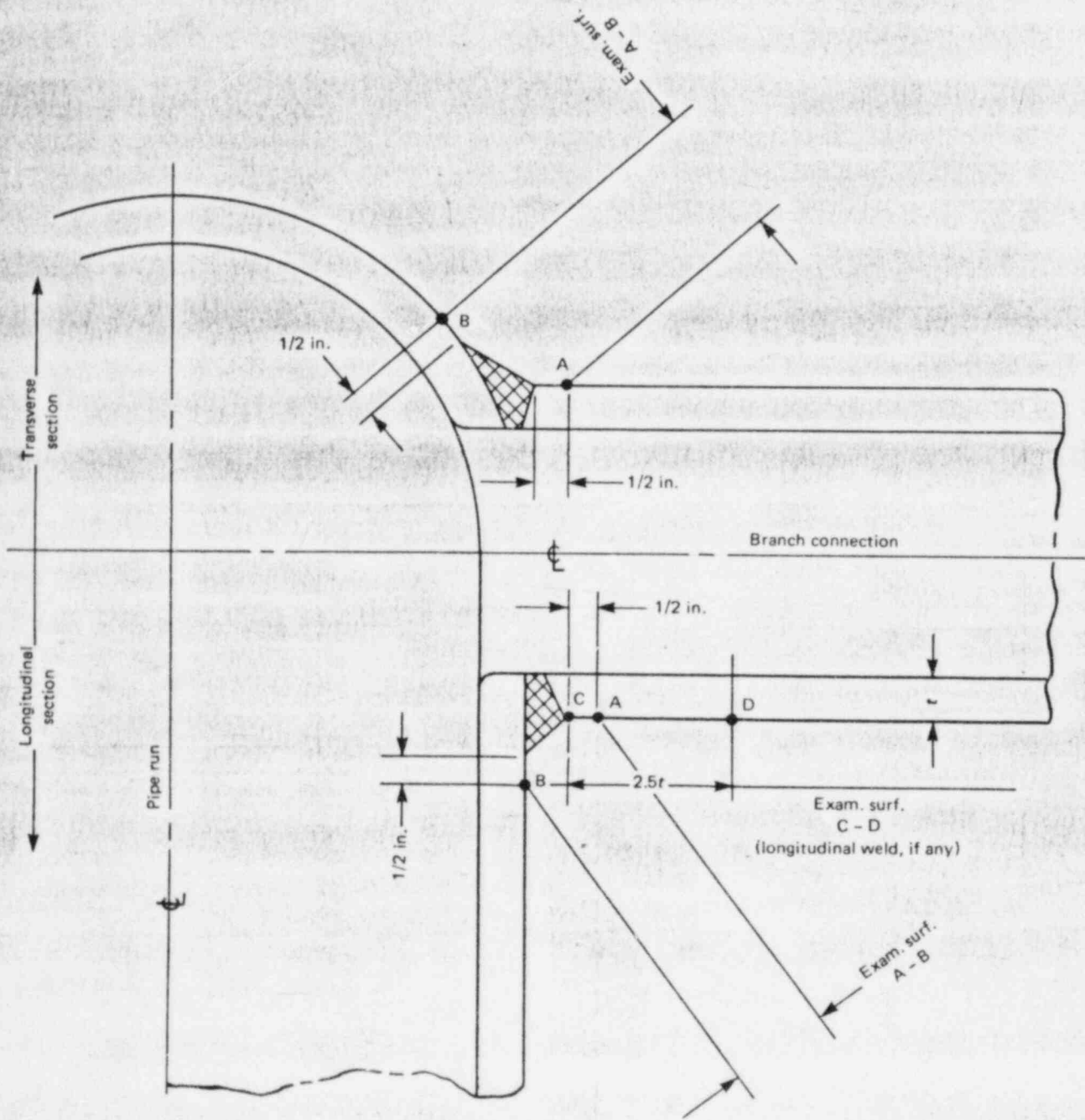
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FIG. IWC-2500-10 PIPE BRANCH CONNECTION



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FIG. IWC-2500-11 PIPE BRANCH CONNECTION



W81

FIG. IWC-2500-12 PIPE BRANCH CONNECTION

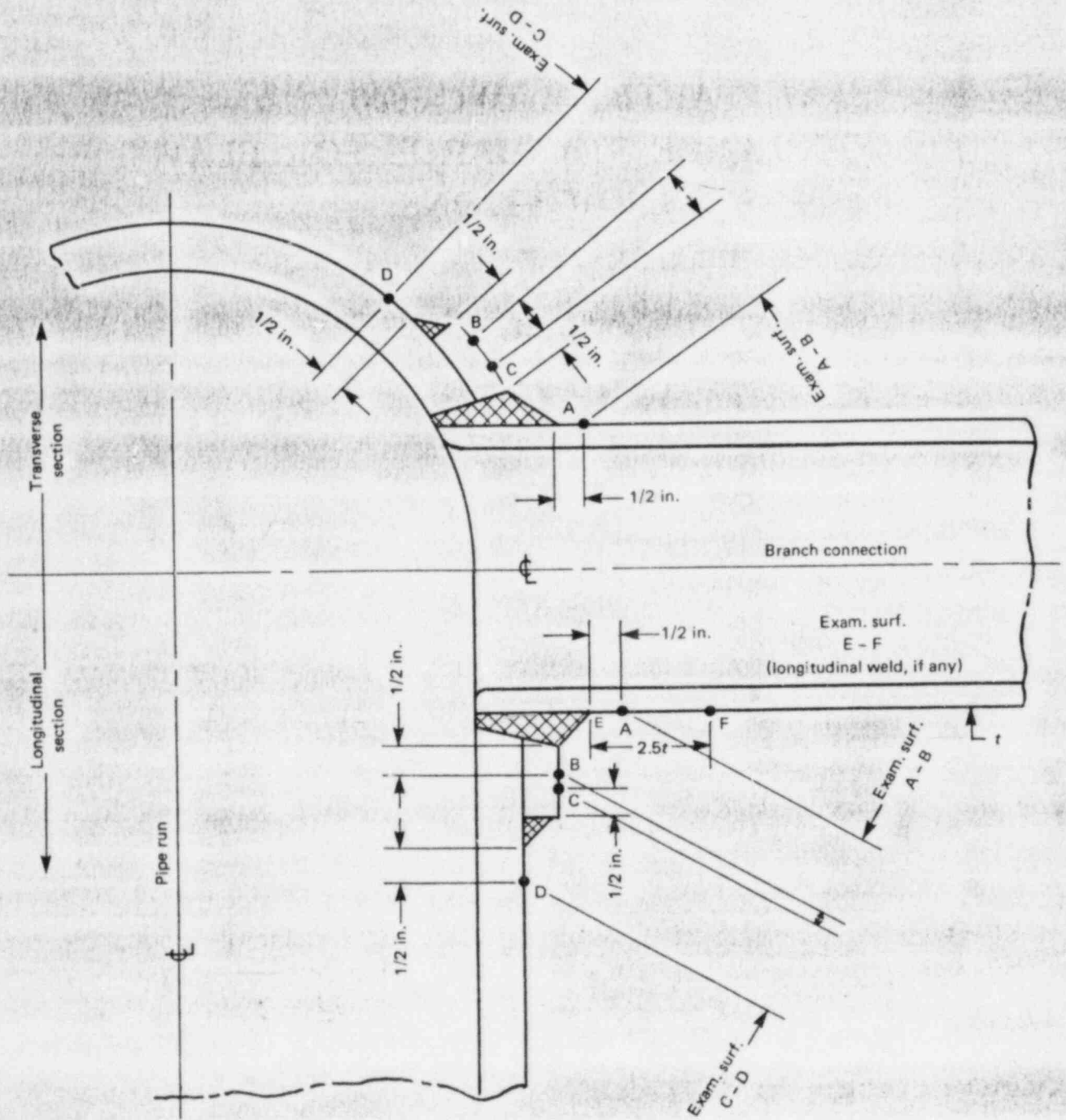


FIG. IWC-2500-13 PIPE BRANCH CONNECTION

W81

INVENTORY LIST AND DRAWINGS FOR CALIBRATION STANDARDS

Included in this section is an inventory list and drawings of the calibration standards applicable to the examinations required during this second ten (10) year inspection interval.

The calibration standards are the property of Arkansas Power & Light Company. The standards shall be placed in controlled storage and their removal from and return to storage will be controlled.

The calibration standards shall be protected as necessary against mechanical or chemical damage, rust or corrosion.

CALIBRATION STANDARDS DRAWINGS AND INVENTORY LIST

Included in this section is a list of calibration standards and drawings of the calibrations standards applicable to the examination required during this refueling outage 1R7.

The calibration standards are the property of Arkansas Power and Light Company. These standards should be placed in bonded storage, and their removal from and return to storage should be controlled.

The calibration standards shall be protected as necessary against mechanical damage, rust and corrosion.

LIST OF CALIBRATION STANDARDS

<u>CALIBRATION STANDARD NUMBER</u>	<u>MATERIAL TYPE</u>	<u>CLAD</u>	<u>DRAWING NUMBER</u>
40008	Inconel 600	-----	PC-25614-1
40801	Carbon Steel	Stainless Steel	PC-24900-2
40802	Carbon Steel	Stainless Steel	PC-24901-2
40803	Carbon Steel	Stainless Steel	PC-24902-2
40804	Carbon Steel	Stainless Steel	PC-24903-2
40805	Carbon Steel	Stainless Steel	PC-24904-2
40806	Carbon Steel	Stainless Steel	PC-24905-1
40807	Carbon Steel	Stainless Steel	PC-24906-1
40808	Carbon Steel	Stainless Steel	PC-24907-1
40809	Stainless Steel	-----	PC-24908-2
40810	Stainless Steel	-----	PC-24909-1
40811	Stainless Steel	-----	PC-24910-3
40812	Stainless Steel	-----	PC-24911-2
40813	Stainless Steel	-----	PC-24912-3
40814	Inconel	-----	PC-24913-2
40815	Inconel	-----	PC-24914-3
40816	Inconel	-----	PC-24915-2
40817	Inconel	-----	PC-24916-3
40818	Stainless Steel	-----	PC-24917-3
40819	Carbon Steel	-----	PC-24918-2
40820	Stainless Steel	-----	PC-24919-2
40821	Inconel 600	-----	PC-24987-1
40823	Carbon Steel	-----	PC-25561-0
40824	Carbon Steel	-----	C6370501090-UT-51
40825	Carbon Steel	-----	D6370501058-UT-48
40826	Carbon Steel	-----	PC-25612-0
40828	Carbon Steel	Stainless Steel	PHD-30116
40829	Carbon Steel	-----	PHD-30115
40830	Carbon Steel	Stainless Steel	PHD-30117
40831	Carbon Steel	-----	PC-25676-1
40834	Carbon Steel	-----	PC-25677-0
40836	Carbon Steel	-----	PC-25680-1
40837	Carbon Steel	-----	C6370501080-UT-50
40838	Carbon Steel	-----	PC-25681-1
40840	Stainless Steel	-----	PC-25682-1
40843	Stainless Steel	-----	PC-25675-1
40845	Stainless Steel	-----	PC-25679-2
40846	Stainless Steel	-----	PC-25641-1
40848	Stainless Steel	-----	PC-25678-0
40849	Stainless Steel	-----	PC-25683-0
40850	Inconel 600	-----	PC-25684-0
40851	Inconel 600	-----	PC-25685-0
40352	Stainless Steel	-----	1121229B-0
40853	Stainless Steel	-----	1121230B-0

LIST OF CALIBRATION STANDARDS
(continued)

<u>CALIBRATION STANDARD NUMBER</u>	<u>MATERIAL TYPE</u>	<u>CLAD</u>	<u>DRAWING NUMBER</u>
40854	Stainless Steel	-----	1121231B-0
40855	CS, SA540 GR23	-----	1122837B-1
40856	CS, SA320 L43	-----	C6370501-102-01
40857	CS, SA320 L43	-----	C6370501-121-01
40858	CS, SA320 L43	-----	C6370501-122-01
40859	CS, SA320 L43	-----	C6370501-123-01
40860	CS, SA540 GR23	-----	C6370501-124-01
40861	CS, SA540 GR23	-----	PC-256 12B-4
40863	CS, A193B7	-----	C6370501-125-01
40864	SS, A312 or 376	-----	1122840B-1
40865	SS, A312 or 376	-----	112284 1B-2
40866	CS, N/A	-----	C6370501-126-01
40867	SS, N/A	-----	1122980C-0
40868	CS, N/A	-----	C6370501-127-01
40869	CS, N/A	-----	C6370501-128-01
40870	N/A	-----	C6370501-129-01
40872	CS, N/A	-----	C6370501-130-01
40900	CS, SA533 GR-B	Stainless Steel	1135870C-1
40901	CS, ASTM 508-64 CL-2	Stainless Steel	1135871C-1
40902	CS, ASTM 508-64 CL-2	Stainless Steel	1135872C-1
40903	CS, ASTM 508-64 CL-2	Stainless Steel	1135873C-1
40904	SS, SA376 TY-316	-----	1135874C-1
40905	CS, ASTM 508-64 CL-2	Stainless Steel	1135875B-1
40906	CS, A508 C1-2	Stainless Steel	1135876B-1
49030	INC, SB-163	-----	1135953B-0
49031	INC, SB-163	-----	1135952B-0

U J U I 5 / U 4 U 3 Y

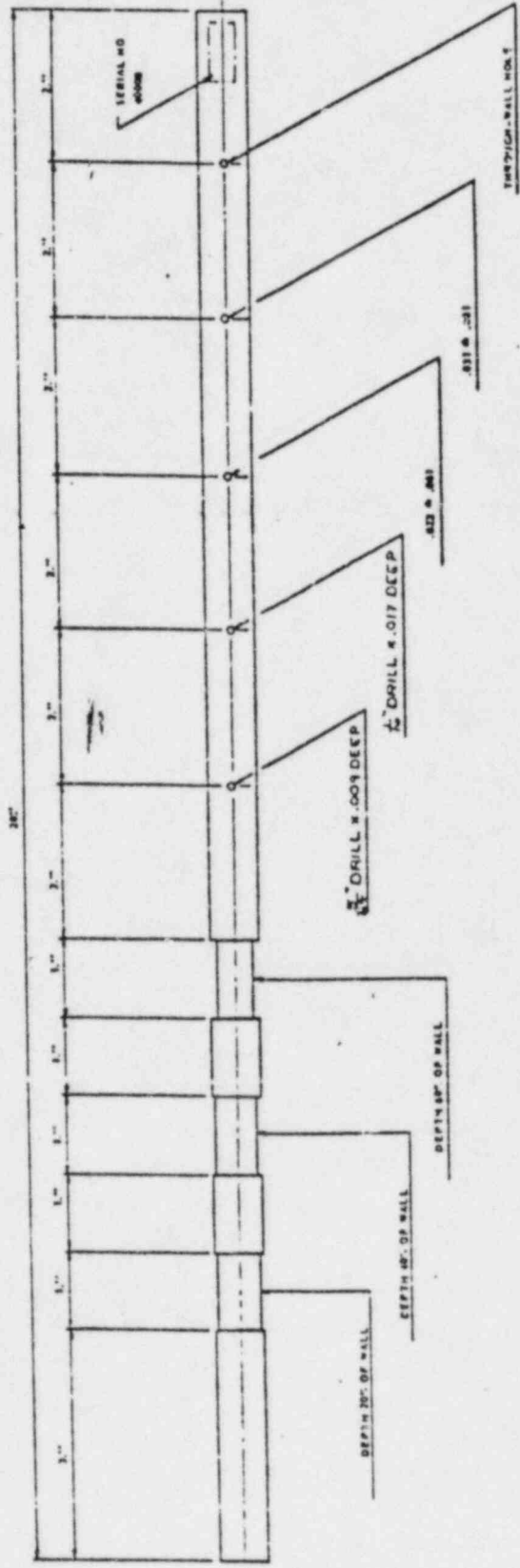
THE BARCOCK & WILCOX COMPANY
POWER GENERATION GROUP

B&W CONSTRUCTION COMPANY

REV.	DATE	DESCRIPTION	BY	CHK'D
1	8/14	CHANGED NOTE # 3 AND HOLE DIA. & DEPTH ON 20% & 40% HOLES DLW		

- NOTES:**
1. MATERIAL IS IN CONFORMANCE WITH SPECIFICATION - .03" NOMINAL, .04" MINIMUM
 2. 5% TOLERANCE ON WALL THICKNESS - .03" NOMINAL, .04" MINIMUM
 3. HOLE DIA. TOLERANCE OF 1/16" UNLESS NOTED
 4. HOLE DEPT. TO BE AS SHOWN UNLESS NOTED
 5. DRILL HOLES ARE TO BE FLAT BOTTOMED
 6. DEPTHS OBSERVED USING .003" DIAMETER FLAT PROBE.

PC-25411-1

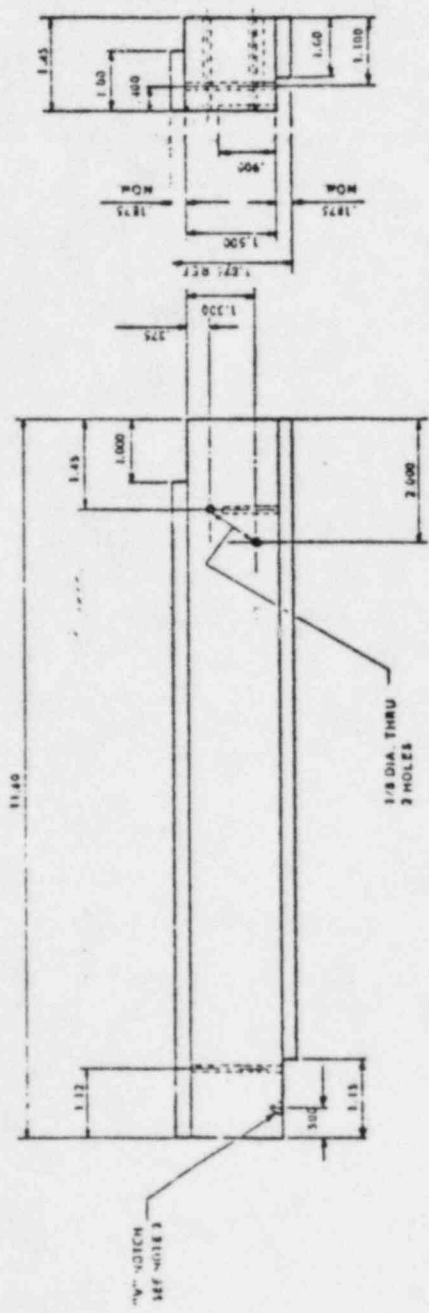


FOR B&W CONSTRUCTION COMPANY

U J U I S / U 4 J U 4 I

THE BARCOCK & WALSH COMPANY
POWER OPERATION GROUP
B&W CONSTRUCTIVE COMPANY

REV.	DATE	DESCRIPTION
1	12/14	DRAWING CORRECTED PER EPISodic BLOCK
2	1/12	CORRECTION OF DIMENSION



- NOTES:
1. MATERIAL CARBON STEEL, SA516 GR 70
 2. CLADDING THICKNESS 3/16" NOMINAL, 308 SS.
 3. "V" NOTCH, 0.125" DEEP
 4. WAS BLR BLOCK #2.

END VIEW

SIDE VIEW

PROJECT NO. 192-011-008

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DATE: 3/16/74
DRAWN BY: C. J. W.
CHECKED BY: C. J. W.
SCALE: AS SHOWN

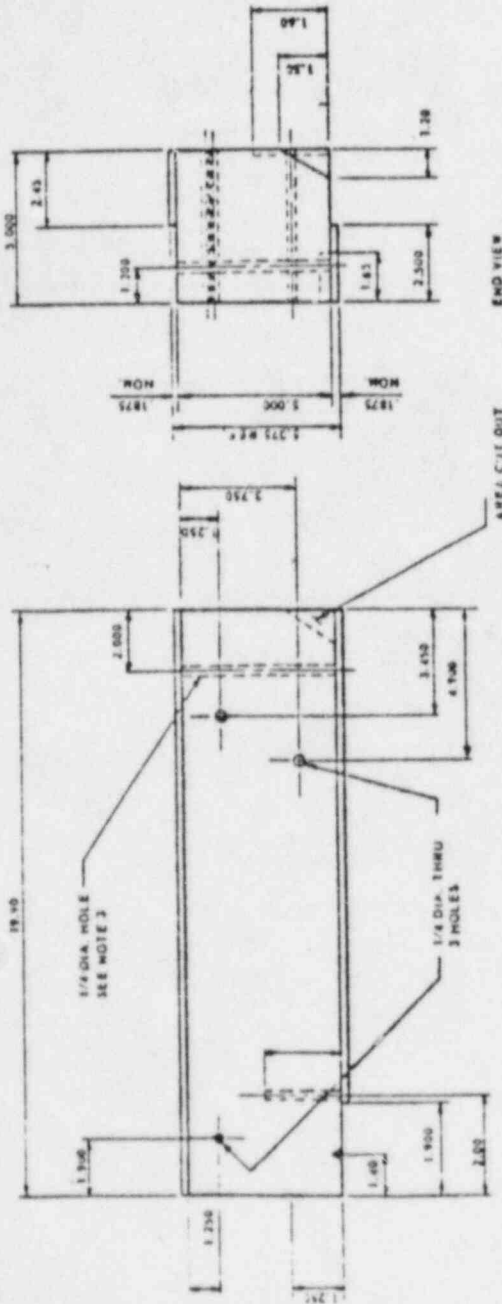
AF&L, ARKANSAS NUCLEAR ONE, UNIT #1 - CALIBRATION 31-001 #0802
PC 24901-2

U I J / U 4 U 4 2

THE BABCOCK & WILCOX COMPANY
POWER GENERATION GROUP
B&W CONSTRUCTION COMPANY

NO.	DESCRIPTION	DATE	BY	CHKD.
1	1/2" DIA. HOLE CORRECTED FOR FINISHING TOLERANCE			
2	8 1/2" DIA. CONNECTION DIMENSIONS			

- NOTES:**
1. MATERIAL, CARBON STEEL, SA 515 GR 70.
 2. CLADDING THICKNESS 3/16" NOMINAL, 308 SS.
 3. HOLE DRILLED TO CLAD.
 4. 1/4" NOTCH, 0.15" DEEP BY 1.6 L.H.C.
 5. WAS BLK BLOCK #3.



PROJECT NO. 192-034-006

APPL. ARKANSAS NUCLEAR ONE,
UNIT 1 - CALIBRATION BLOCK #4203

DESIGNED BY: CRH
CHECKED BY: CAH

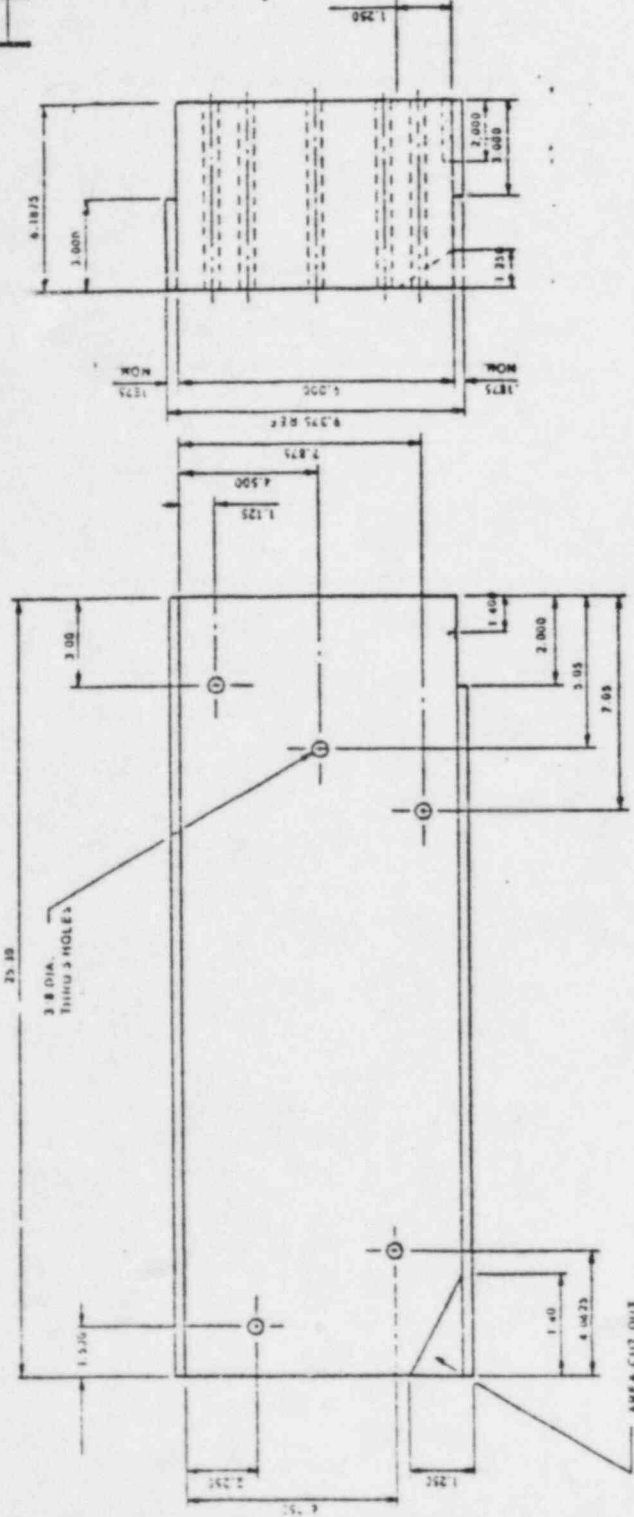
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U I S / U A U 4 4

THE BABCOCK & WILCOX COMPANY
 POWER GENERATION GROUP
 BABCOCK TRACTION COMPANY

REV.	DATE	BY	CHKD.	DESCRIPTION
1	12 14	A	D	DRAWING CORRECTED PER EXISTING BLOCK
2	4 12 79	C		CORRECTION OF DIMENSIONS

- NOTES
1. MATERIAL: CARBON STEEL, SA 315 (GR 7).
 2. CLADDING: THICKNESS 3/16" NOMINAL, 308 SS.
 3. 1/4" NOTCH 0.270" DEEP BY 2.0" LONG.
 4. WAS BLR BLOCK #3.



END VIEW

SIDE VIEW

AREA CUT OUT FOR ANALYSIS

PROJECT NO. 192-034-006

AP&L, ARKANSAS NUCLEAR ONE,
 UNIT #1 - CALIBRATION BLOCK - 40005

DATE: 3 16 76
 DRAWN BY: L. J. NY
 CHECKED BY: C. R. A.
 APPR. BY: C. A. H.

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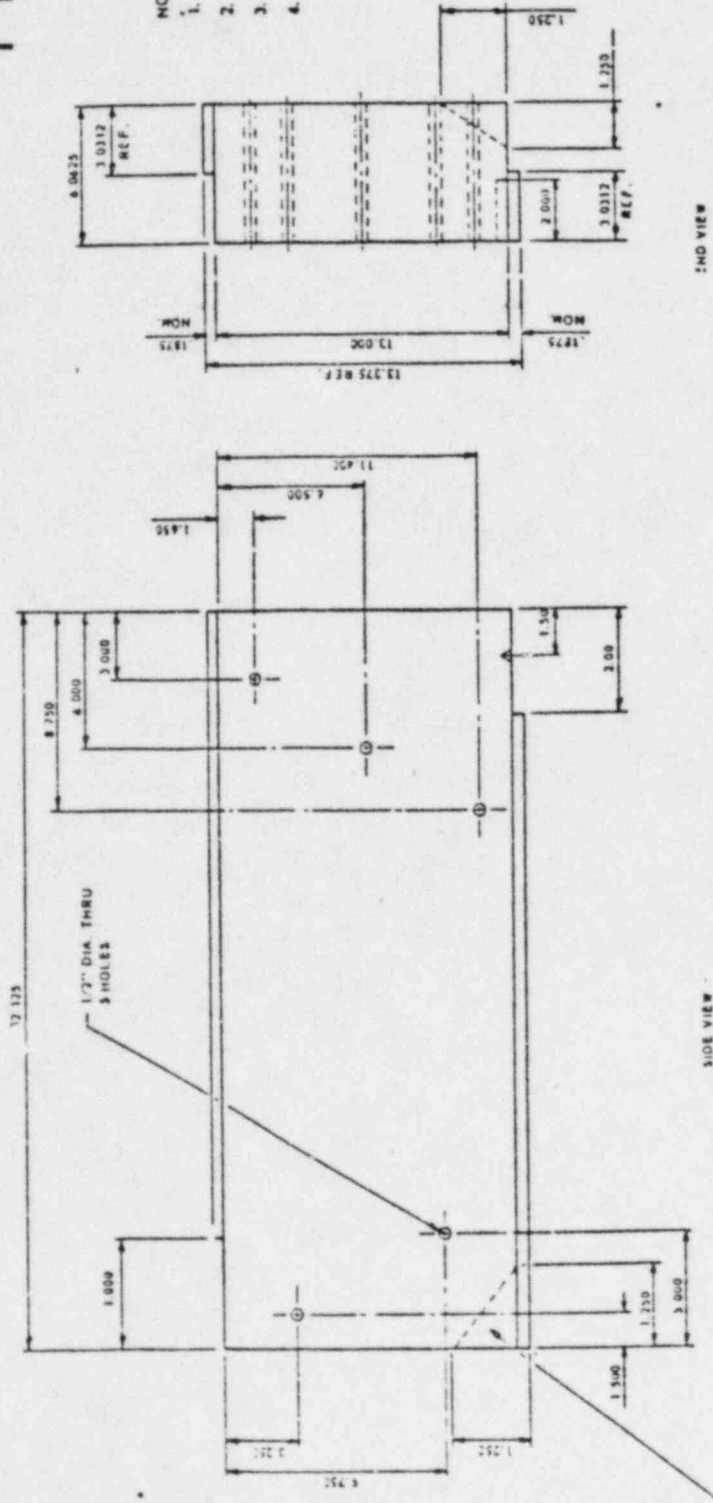
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THE BARCOCK & WILCOX COMPANY
 POWER GENERATION GROUP
 B&W CONSTRUCTION COMPANY

NO.	DATE	REVISIONS	BY	CHKD.
1	12 14	DRAWING CORRECTED FOR EXISTING BLOCK		

NOTES:

1. MATERIAL CARBON STEEL, SA 302 GR B
2. CLADDING THICKNESS 3/16" NOMINAL.
3. "V" NOTCH, 0.375" DEEP BY 20" LONG.
4. WAS LLR BLOCK #8



PROJECT NO. 192 031 (086

AP&L, ARKANSAS NUCLEAR ONE
 UNIT #1 - CALIBRATION BLOCK #10808

DATE 3 16 76
 DRAWN BY J MW
 CHECKED BY CRH
 APPROVED BY CRH

SCALE 1:1
 SHEET 1 OF 1

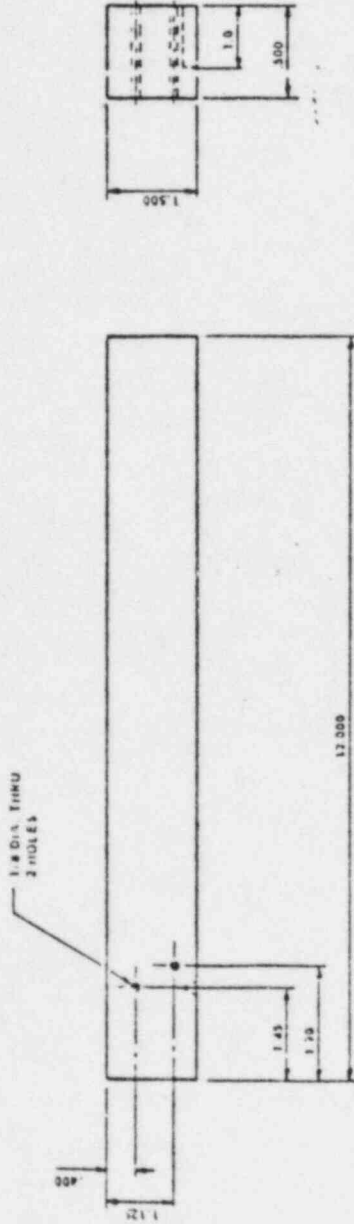
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2015/01/04

THE BARCOCK & WILCOX COMPANY
POWER GENERATION GROUP
NEW CONSTRUCTION COMPANY

ITEM	DATE	REVISION	BY	CHK'D	APP'D
1	12/14	DRAWING CORRECTED PER LISTING OF LOCK			
2	4/12/78	CONTRACTOR DIMENSIONS			

- NOTES:**
1. MATERIAL: STAINLESS STEEL, SA 286 - TP 304.
 2. NO CL. AT DRILLING.
 3. **V** NOTIC: 0.045" DEEP BY 1.0" LONG.
 4. WAS BLK BLOCK #9.



SIDE VIEW

END VIEW

PROJECT NO. 192-034 UHS

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AP&L, ARKANSAS NUCLEAR ONE,
UNIT #1 - CALIBRATION BLOCK #40809

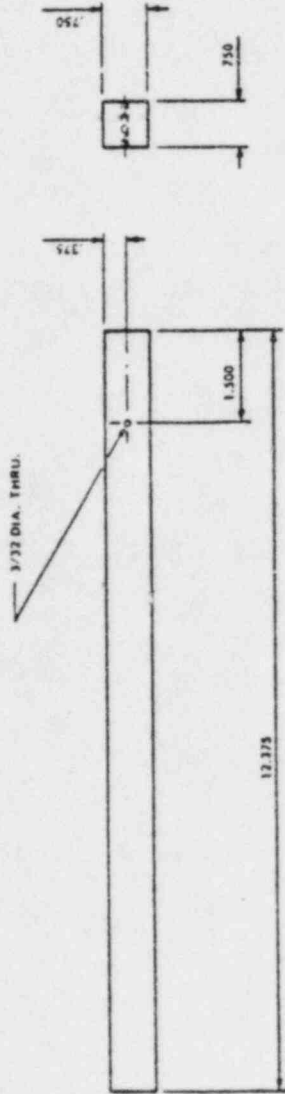
PC-24908-2

THE BARCOCK & WILCOX COMPANY
 POWER GENERATION GROUP
 B&W CONSTRUCTION COMPANY

REV.	DATE	DESCRIPTION	BY	CHKD.
1	12-14-76	DRAWING CONSIDERED FOR EXISTING BLOCK		

NOTES:

1. MATERIAL STAINLESS STEEL.
2. NO CLADDING.
3. WAS BLK. BLOCK - 10



END VIEW

SIDE VIEW

PROJECT NO. 192-031 006

AP&L, ARKANSAS NUCLEAR ONE
 UNIT #1 - CALIBRATION BLOCK 40810

DATE: 3-16-76
 DRAWN BY: J.M.
 CHECKED BY: C.R.H.

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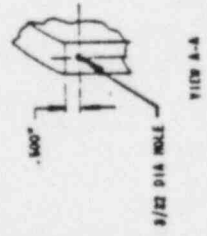
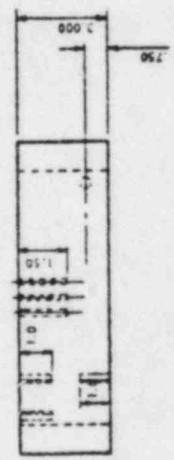
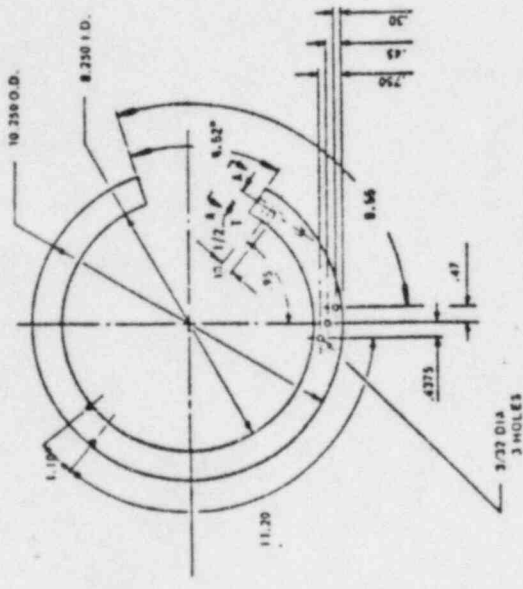
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THE BABCOCK & WILCOX COMPANY
 POWER GENERATION GROUP
 B&W CONSTRUCTION COMPANY

NO.	DATE	REVISION	BY	CHKD.	APPROVED
1	12/14/75	DRAWING CORRECTED PER EXISTING BLOCK			
2	4/12/77	CORRECTION OF DIMENSIONS			
3	7/17/80	REV. 3101 #101H			

NOTES

1. MATERIAL, STAINLESS STEEL, SA 240 TP 304
2. NO CELL WALLS
3. "V" NOTCH, 0.030" DEEP BY 1.0 LONG, ON OD
4. "V" NOTCH, 0.030" DEEP BY 1.0 LONG, ON ID
5. WAS BIR BLOCK #11.



PROJECT NO 192-034-006

AP&L, ARKANSAS NUCLEAR ONE,
 UNIT #1 - CALIBRATION BLOCK #40911

DATE 3-16-75

BY L. J. M. (Signature)

SCALE 1:1

PROJ. NO. 192-034-006

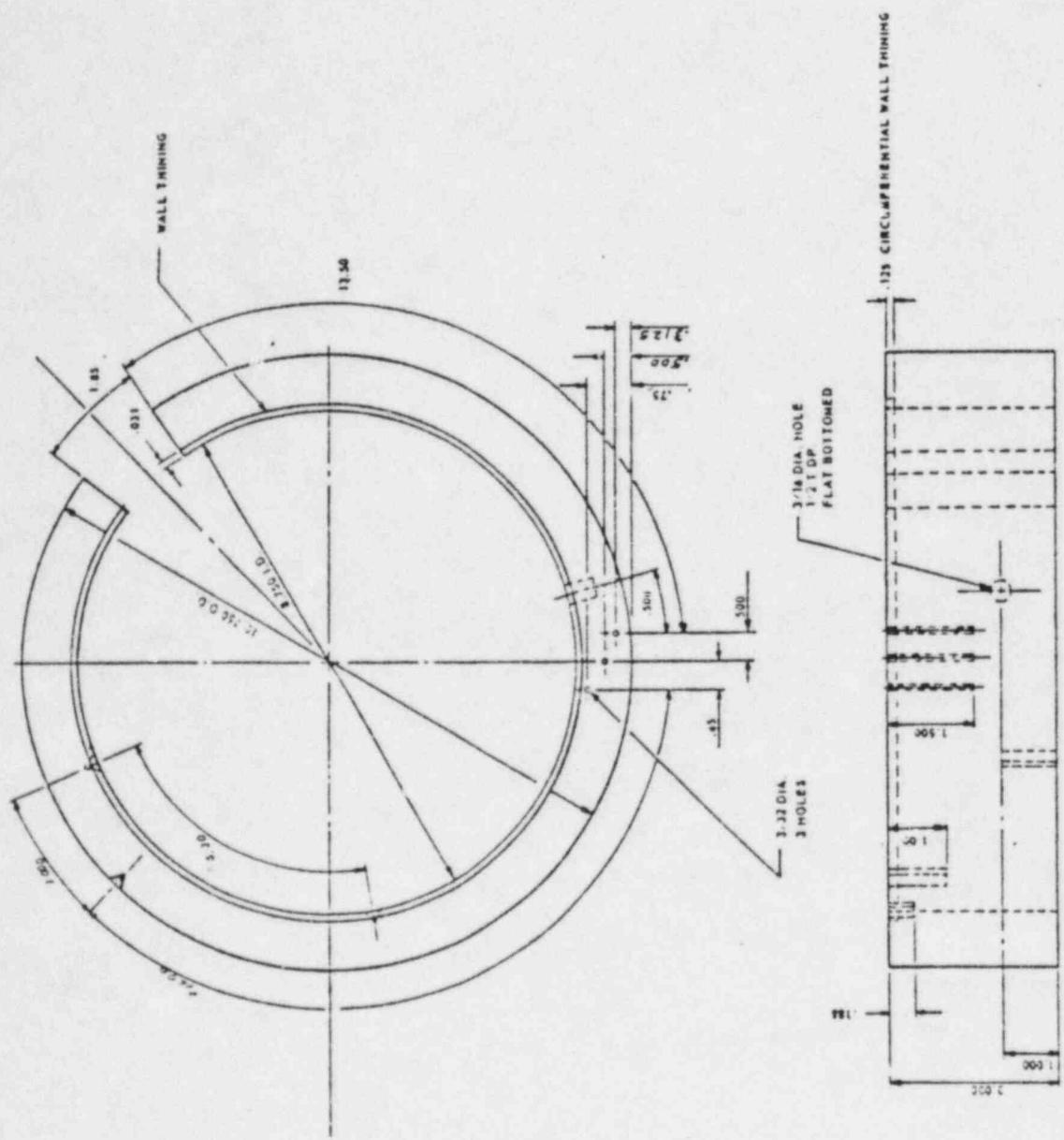
BRUNING 17991

1570453

THE BARCOCK & WILCOX COMPANY
 POWER GENERATION GROUP
 B&W CONSTRUCTION COMPANY

REV	DATE	DESCRIPTION	BY	CHK
1	12-14-74	ISSUE FOR CONSTRUCTION OF CALCIUM BLOCK		
2	4-12-75	CONSTRUCTION OF DIMENSIONS		

- NOTES:**
1. MATERIAL INCONEL SB 166.
 2. NO CLADDING.
 3. $\frac{1}{4}$ " NOTCH, 0.00" DEEP BY 1.0" LONG, ON OD.
 4. $\frac{1}{4}$ " NOTCH, 0.00" DEEP BY 1.0" LONG, ON ID.
 5. WAS 3/16" BLOCK #14.



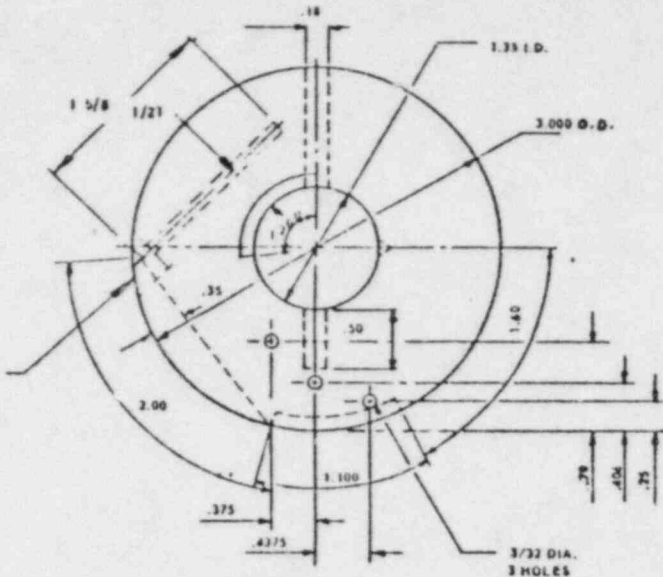
PROJECT NO. 122-034-006

APPL. ARKANSAS NUCLEAR DIV.
 UNIT #1 - CALCIUM BLOCK 40814

DATE 3-10-74
 DRAWN C.R.H.
 CHECKED C.R.H.

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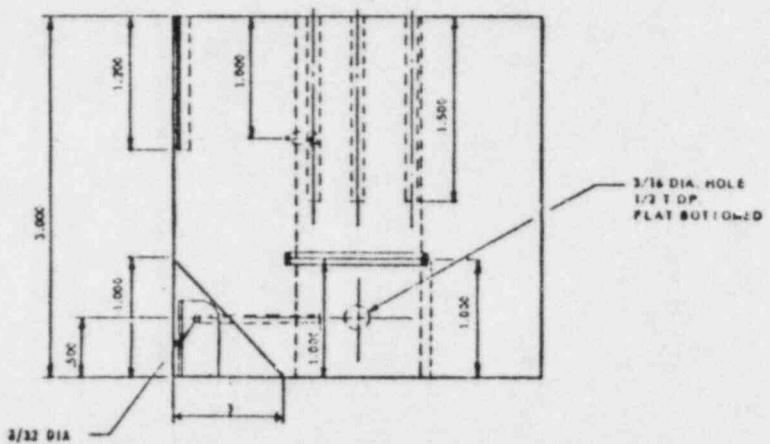
THE BABCOCK & WILCOX COMPANY
 POWER GENERATION GROUP
 B&W CONSTRUCTION COMPANY



DATE	DESCRIPTION	BY	CHKD BY
12/14/76	DRAWING CORRECTED FOR EXISTING BLOCK		
4/12/77	CORRECTION OF DIMENSIONS		
7/17/81	ADDED 3/32 DIA. HOLE		

A SMALL AMOUNT OF METAL WAS MILLED AWAY IN THIS AREA TO AID IN DRILLING.

- NOTES:
1. MATERIAL, INCONEL, SB 166.
 2. NO CLADDING.
 3. TWO "V" NOTCHES, 0.025" DEEP.
 4. TWO "V" NOTCHES, 0.025" DEEP.
 5. WAS BLR BLOCK #15.



PROJECT NO. 192-034-006

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DATE 3/10/76
 APPR CRN

AP&L, ARKANSAS NUCLEAR ONE,
 UNIT #1 - CALIBRATION BLOCK #40815

PC-24914 3

BRUNNEN 177981

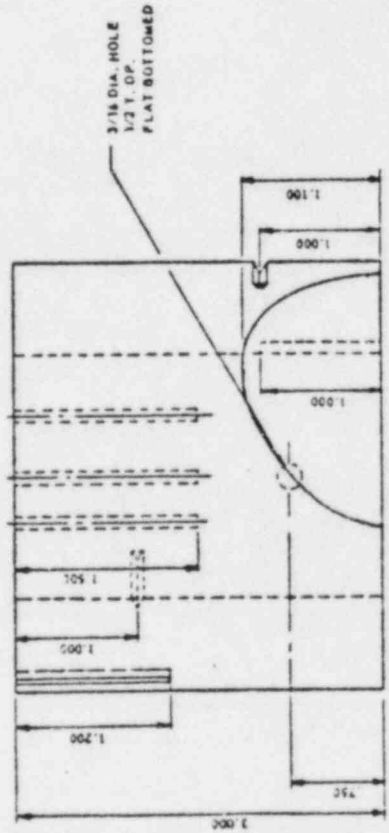
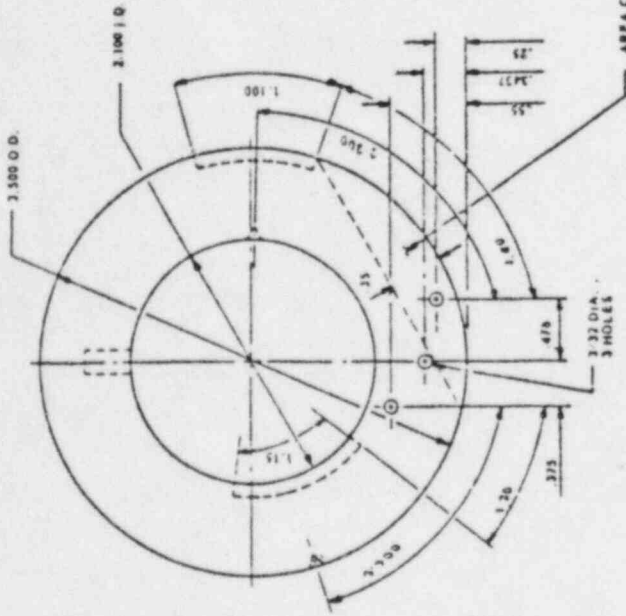
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THE BARCOCK & WILCOX COMPANY
 POWER GENERATION GROUP
 BAW CONSTRUCTION COMPANY

NO.	DATE	REVISIONS	BY	CHKD.
1	12 14 76	ISSUE CORRECTED PER EXISTING BLOCK		
2	4 12 78	CORRECTION OF DIMENSIONS		

NOTES:

1. MATERIAL INCONEL, JB 166.
2. NO CLADDING
3. TWO "V" NOTCHES, 0.422" DEEP
4. TWO "V" NOTCHES, 0.422" DEEP
5. WAS BLR LOCK #16.



PROJECT NO. 192 J34-0166

AP&L, ARKANSAS NUCLEAR ONE
 UNIT 3 - CALIBRATION BLOCK #40816

DATE: 3 10 76
 DRAWN BY: J M
 CHECKED BY: C R H

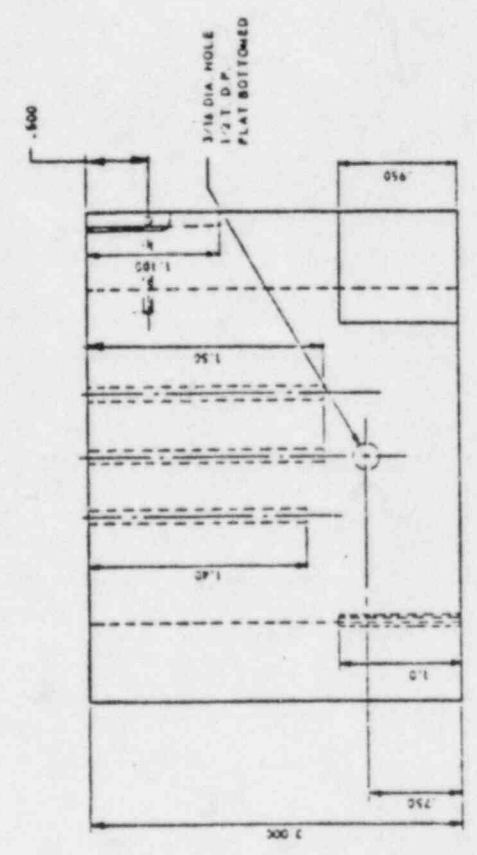
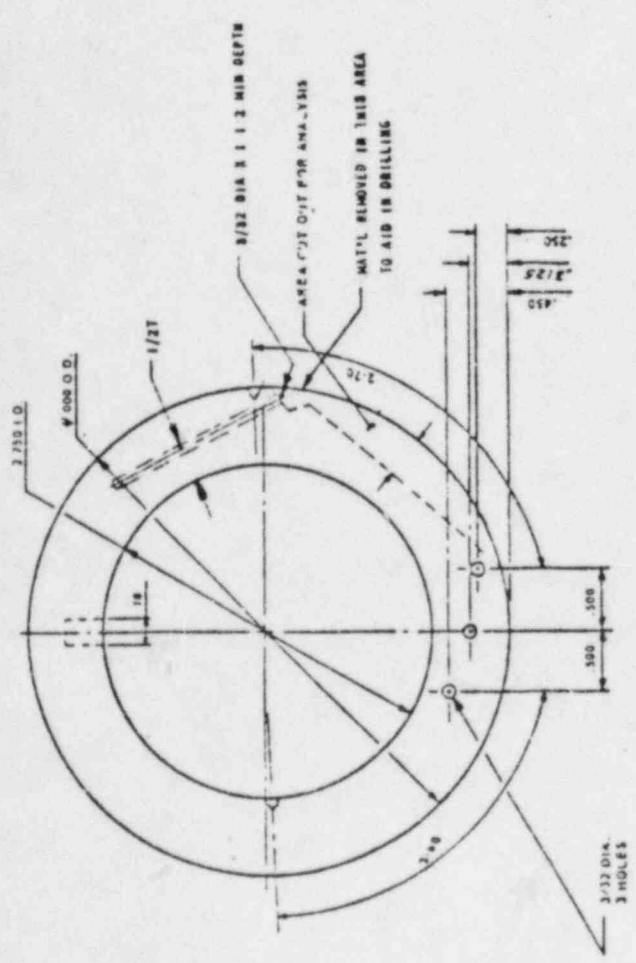
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PC-24915-2

1010704000

THE BARCOCK & WILCOX COMPANY
POWER GENERATION GROUP
BSW CONSTRUCTION COMPANY

REV.	DATE	DESCRIPTION	BY	CHKD.
1	12-14-75	DRAWING CORRECTED PER EXISTING BLOCK		
2	4-22-77	AS IN SECTION OF DIMENSIONS		
3	2-17-77	APPROX. 1/2" DIA. HOLE, 1/2" MIN. DEPTH		



1. MATERIAL, INCONEL 600, SB 100.
2. DELETE.
3. 1.1" V" NOTCHE 0.020" DEEP BY LONG ON OD.
4. 1.0" V" NOTCHE 0.020" DEEP BY LONG ON ID.
5. WASHLR BLOCK # 7.
6. CONTACT 808-0391-10-02.
7. CUSTOMER ADDRESS AS POWER & LIGHT.
8. DATA BASE #40817

- NOTES:
1. TOL FRA: FRACTIONS ± 1/32
 .50 ± .01
 .125 ± .010

PROJECT NO 192-014-006

APPL, ARKANSAS NUCLEAR ONE,
UNIT #1 - CALIBRATION OF CK N 40817

DATE 3-10-76
BY L. J. NI
CHKD C.M.P.
APP'D C.R.N.

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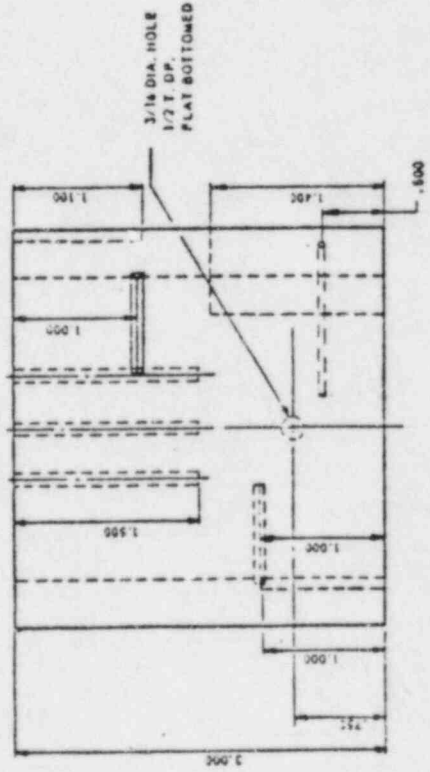
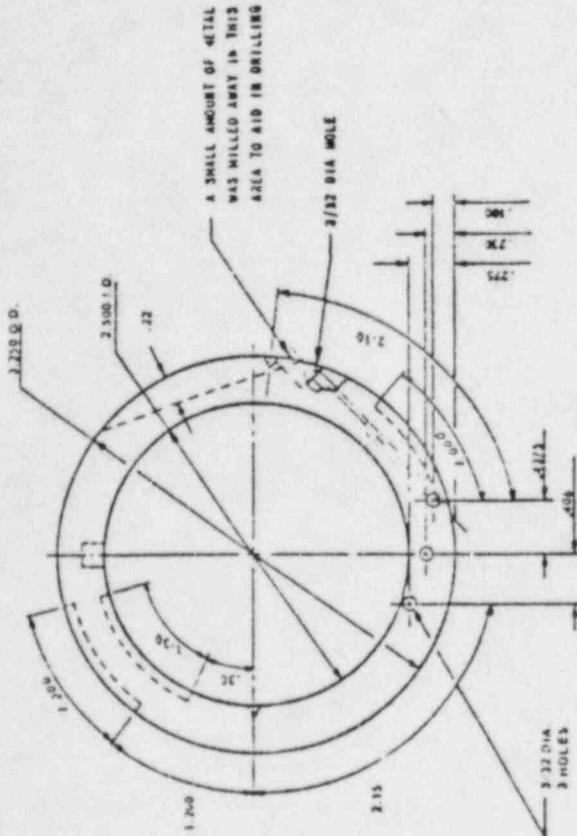
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THE BARCOCK & WILCOX COMPANY
 POWER OPERATION GROUP
 BSW CC INSTRUCTION COMPANY

REV.	DATE	DESCRIPTION	BY	CHKD.
1	12/14	WORKING CORRECTED PER FINISHING BLOCK		
2	1/12/77	CORRECTING OF DIMENSIONS		
3	2/12/77	ADDED 3/32 DIA HOLE @ 1 T		

NOTES:

1. MATERIAL: STAINLESS STEEL.
2. SA 304, TP 304.
3. NO CHAMFERING.
4. TWO "V" NOTCHES, 0.020" DEEP.
5. WAS I.L.R. BLOCK #48.



PROJECT NO 192-034 006

APPL, ARKANSAS NUCLEAR ONE,
 UNIT #1 - CALIBRATION BLOCK #48R1H

DATE 3 12 76
 DRAWN BY CBI
 CHECKED BY CBI

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PC-24917 3

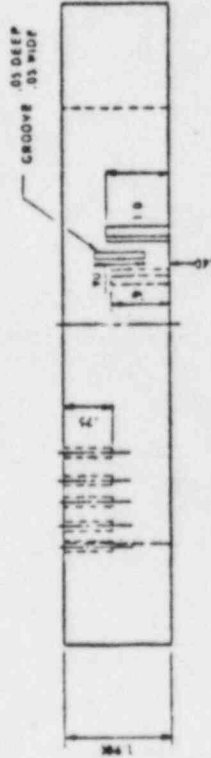
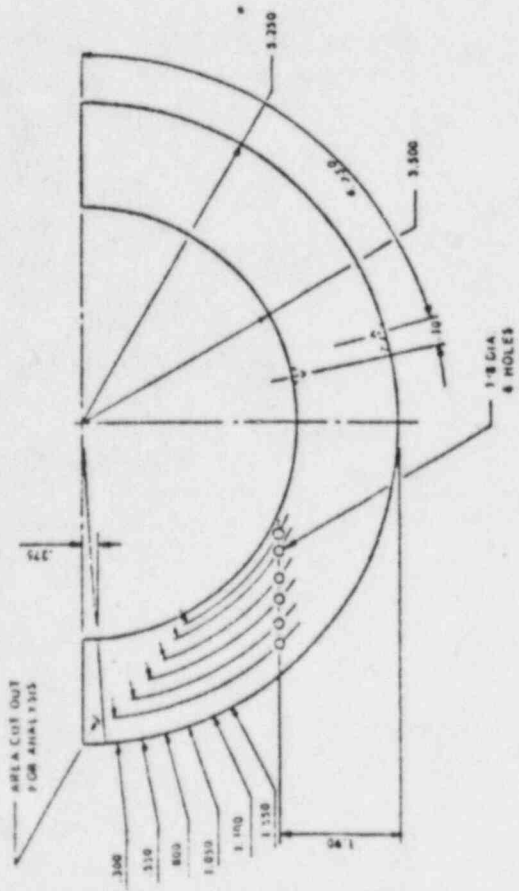
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THE BABCOCK & WILCOX COMPANY
 POWER GENERATION GROUP
 NEW CONSTRUCTION COMPANY

REV.	DATE	BY	APP.	DESCRIPTION
1	12/14			DRAWING CORRECTED PER ASSISTING BLOCK
2	4/12/77			CORRECTING DIMENSIONS

NOTES:

1. MATERIAL, CARBON STEEL.
2. NOT TO SCALE.
3. ONE "V" NOTCH, 0.052" DEEP BY 1.0 LONG, ON ID.
4. ONE "V" NOTCH, 0.052" DEEP BY 0.9 LONG, ON ID.
5. WAS BLK BLOCK #12.



PROJECT NO. 152-034-005

AP&L, ARKANSAS NUCLEAR ON
 UNIT #1 - CALIBRATION BLOCK #40819

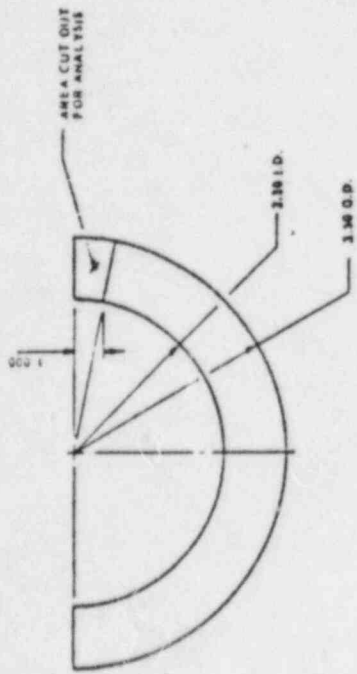
DATE: 1-16-78
 DRAWN BY: J.M.
 CHECKED BY: C.K.J.
 APPROVED BY: C.R.I.

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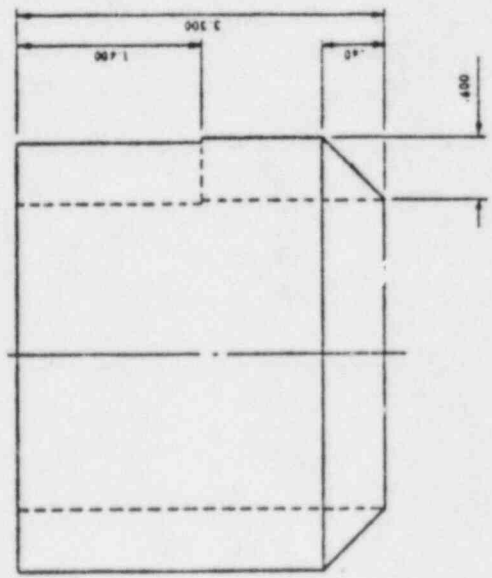
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THE BABCOCK & WILCOX COMPANY
POWER GENERATION GROUP
B&W CONSTRUCTION COMPANY

REV.	DATE	DESCRIPTION	BY	CHK.
1	12 13 78	DRAWING CORRECTION PER EXISTING BLOCK		
2	1 12 79	CORRECT ALL DIMENSIONS		



- NOTES:
1. MATERIAL STAINLESS STEEL, SA 271 - TP 316.
 2. NO C-ADDING.
 3. WAS B.R. BLOCK #2.



PROJECT NO. 197 031 006

APPL. ARKANSAS NUCLEAR ONE
UNIT 1 - CALIBRATION BLOCK #4829

DESIGNER: L. J. M.
DATE: 3-10-78
CHECKER: C.R.F.
APPROVER: M.R.C.

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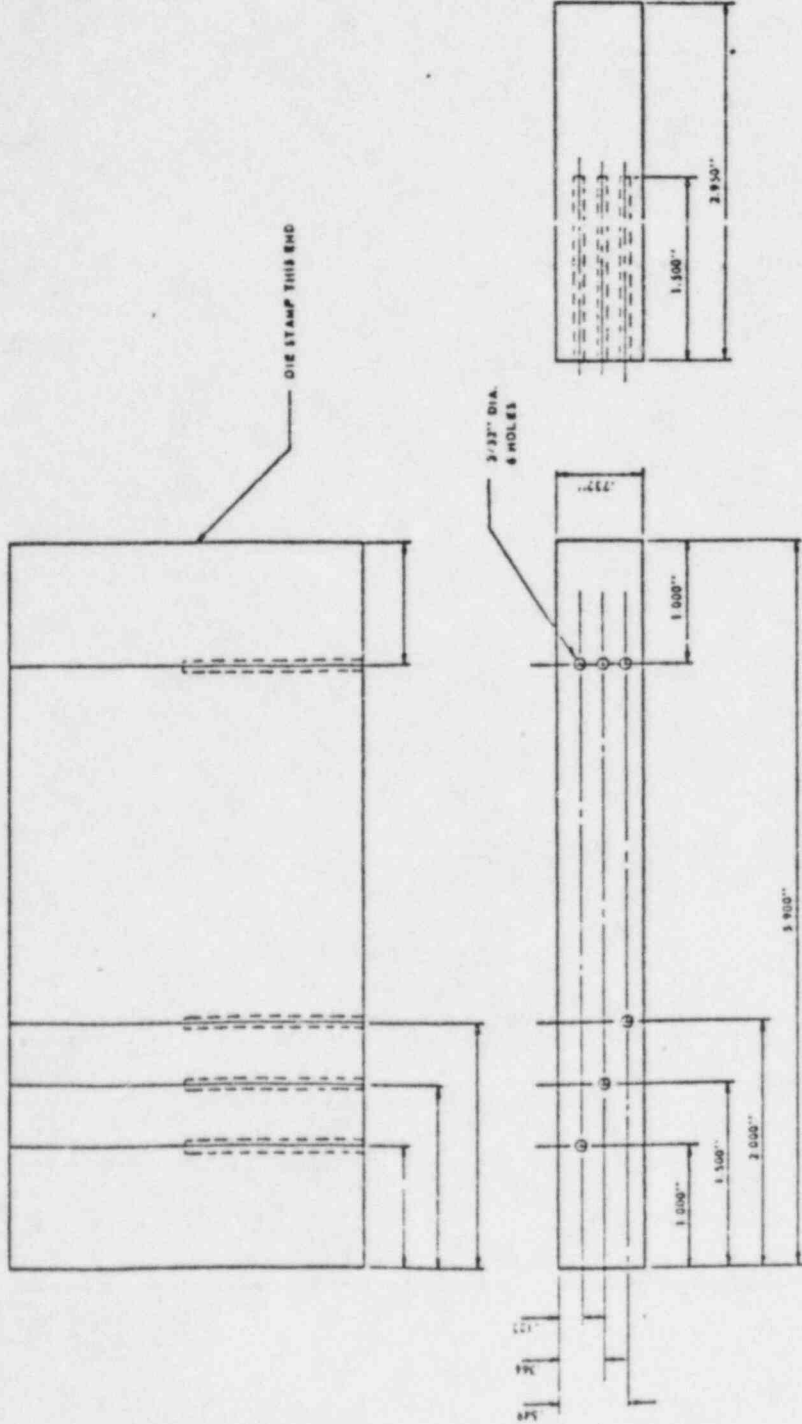
015704061

THE BARCOCK & WILCOX COMPANY
POWER GENERATION GROUP
J&W CONSTRUCTION COMPANY

REV.	DATE	REVISION	DRAWN BY	CHECKED BY	APPROVED BY

NOTES.

1. MATERIAL CARBON STEEL
2. SCRIBE LINES TO BE MARKED ACROSS TOP SURFACE AS SHOWN
3. NO CLADDING
4. NO "V" NOTCH



PROJECT NO. 192-011-016

APPL. ANALYSIS NUCLEAR DIV.
UNIT #1 CALIBRATION BLOCK #40823

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PC-25561-U

FORM NO. 1047-B

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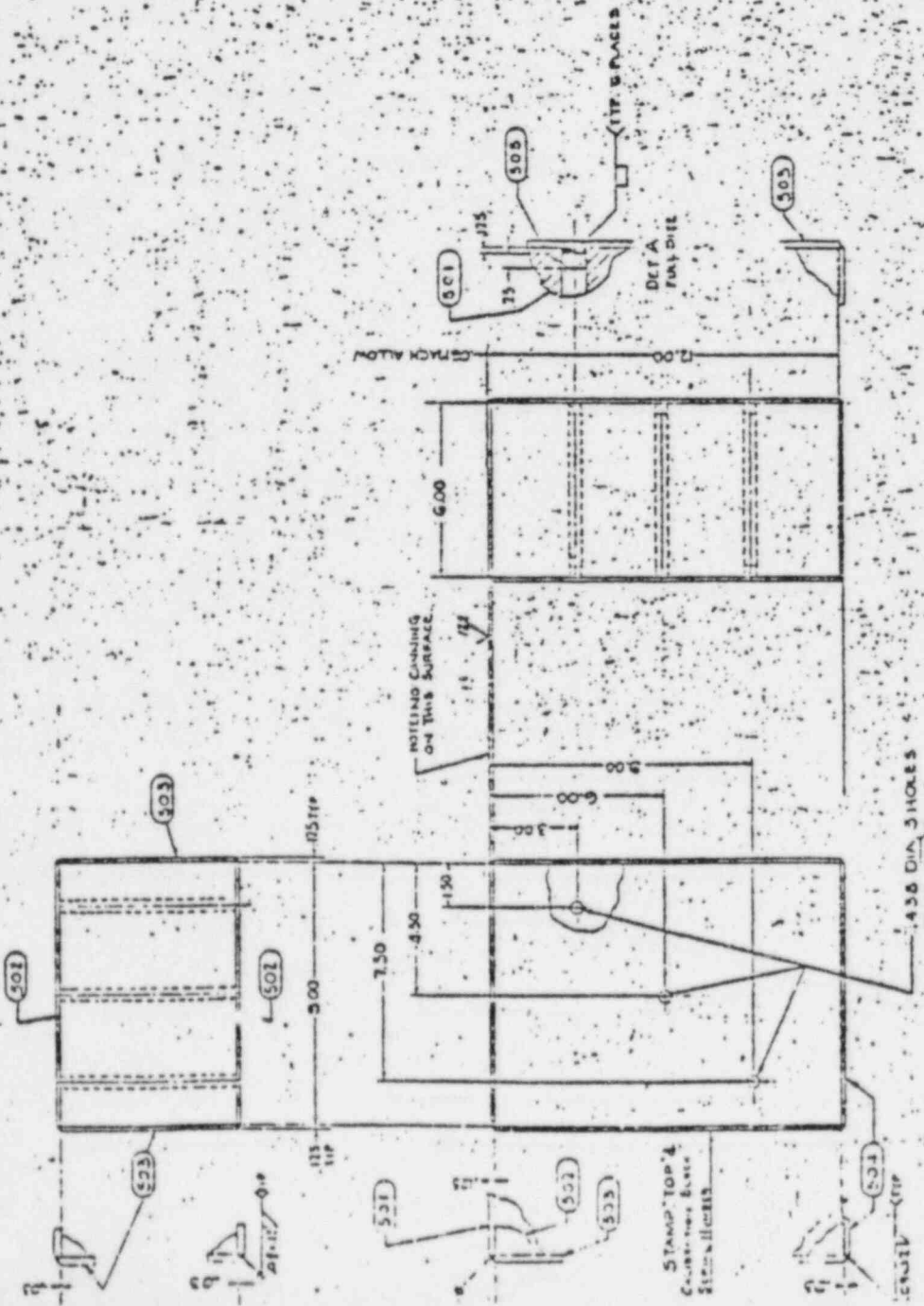
U 4 U 6 6

40829

REV	DESCRIPTION	DATE	BY
0	ISSUED FOR PRODUCTION	11/15/58	WJ
1	CHANGES RELEASED FOR PRODUCTION	11/15/58	WJ
2	REVISIONS FOR PRODUCTION	11/15/58	WJ
3	REVISIONS FOR PRODUCTION	11/15/58	WJ
4	REVISIONS FOR PRODUCTION	11/15/58	WJ

NOTE:
 ALL FIELDS TO BE GROUND SMOOTH,
 ALL WELDS TO BE DYE PENETRANT
 INSPECTED AND ALL INDICATIONS
 REMOVED.

NO	QTY	DESCRIPTION	UNIT
501	1	CALIBRATION BLOCK	PC
502	1	FLANGE MOUNT	PC
503	1	FLANGE MOUNT	PC
504	1	FLANGE MOUNT	PC
505	1	FLANGE MOUNT	PC
506	1	FLANGE MOUNT	PC
507	1	FLANGE MOUNT	PC
508	1	FLANGE MOUNT	PC
509	1	FLANGE MOUNT	PC
510	1	FLANGE MOUNT	PC



40829

ARKANSAS CALIBRATION BLOCK NO. 40829

STD 177 P. VESSEL	40829
CALIBRATION BLOCK	
FLANGE MOUNT	
NO. 40829	
DATE	
BY	
CHKD BY	
APPROVED BY	
DATE	

EST. WT { BLOCK-184 LB.
 CAN.-13 LB

TOTAL WT=199 LB

4.50 DIA. 3 HOLES
 THRU (502) ONLY
 INSERT PLUG (503) AT EACH END OF
 HOLE-SEE DET A

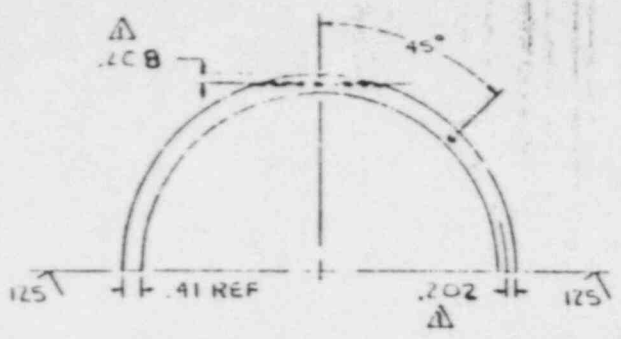
STAMP TOP 4
 CALIBRATION BLOCK
 SERIAL NO. 40829

PID30115

4

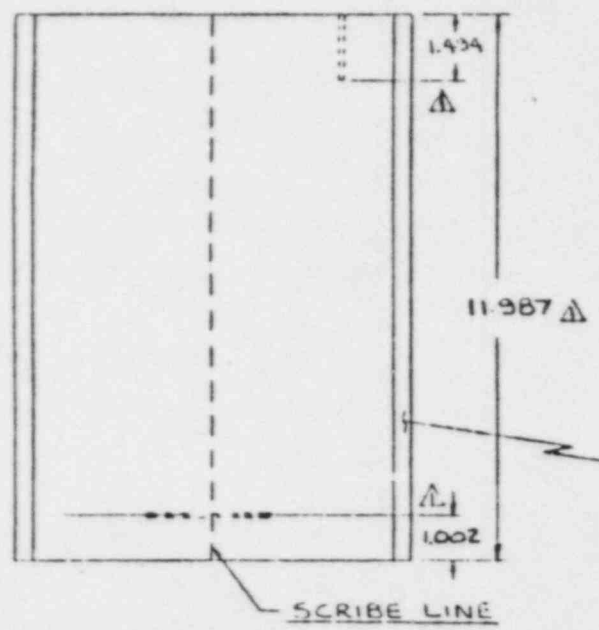
THE BABCOCK & WILCOX COMPANY
POWER GENERATION GROUP

REVISIONS		DATE	DESCRIPTION	BY	CHKD
1	AS	1-14-74	AS - PLANT 1 AND 2	AS	AS



NOTES

1. MATERIAL. 80" SCH 60 PIPE
ASTM A-106B
TYPE CS SEAMLESS
2. HOLE DIA. = .033
3. FOR TANGENTIAL HOLE, DEPTH IS THRU OR 1" BEYOND SCRIBE LINE
4. TOL. FOR TWO DEC. PLACES $\pm .01$
FOR FRACTIONAL DIM. $\pm .015$
FOR ANGULAR DIM $\pm \frac{1}{2}^\circ$
5. STANDARD DATA BASE NO. 40831
6. CONTRACT NO. 599-0341-10-02.



STAMP STANDARD
DATA BASE NUMBER

ARKANSAS POWER & LIGHT UNIT 1

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DRN BY: C.F.B. DATE: 2-15-74
CHKD BY: J.L.B. APPR: J.L.B.

UT CALIBRATION BLOCK
DATA BASE No. 40831

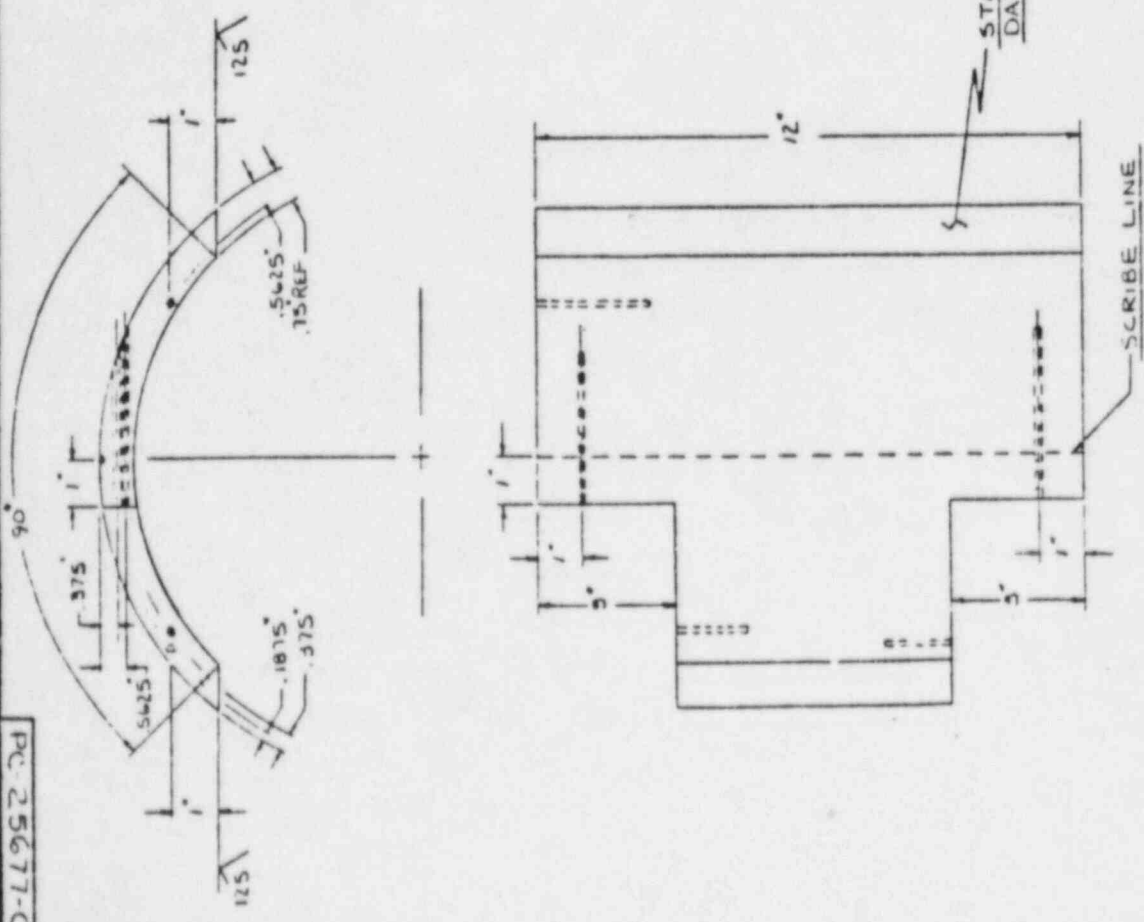
PC-25676-1

SEE FIG. 15-1182

015/04069

THE BABCOCK & WILCOX COMPANY
POWER GENERATION GROUP

REV.	DATE	BY	DESCRIPTION



- NOTES
1. MATERIAL - 14" SCH 80 PIPE
ASTM A-106 B
TYPE C-2, SEAMLESS
 2. HOLE DIA. .752
 3. FOR TANGENTIAL HOLE DEPTH IS THRU OR 1" BEYOND SCRIBE LINE FOR ENC HOLES DEPTH IS 2 1/4".
 4. TOL. FOR TWO DEC. PLACES ±.01 FOR FRACTIONAL DIM. 1/2. FOR ANGULAR DIM. 1/2.
 5. STANDARD DATA BASE NO. 40834
 6. CONTRACT NO. 192-034-015

ARKANSAS POWER & LIGHT UNIT 1
 UT CALIBRATION BUICK
 DATA BASE No 40834

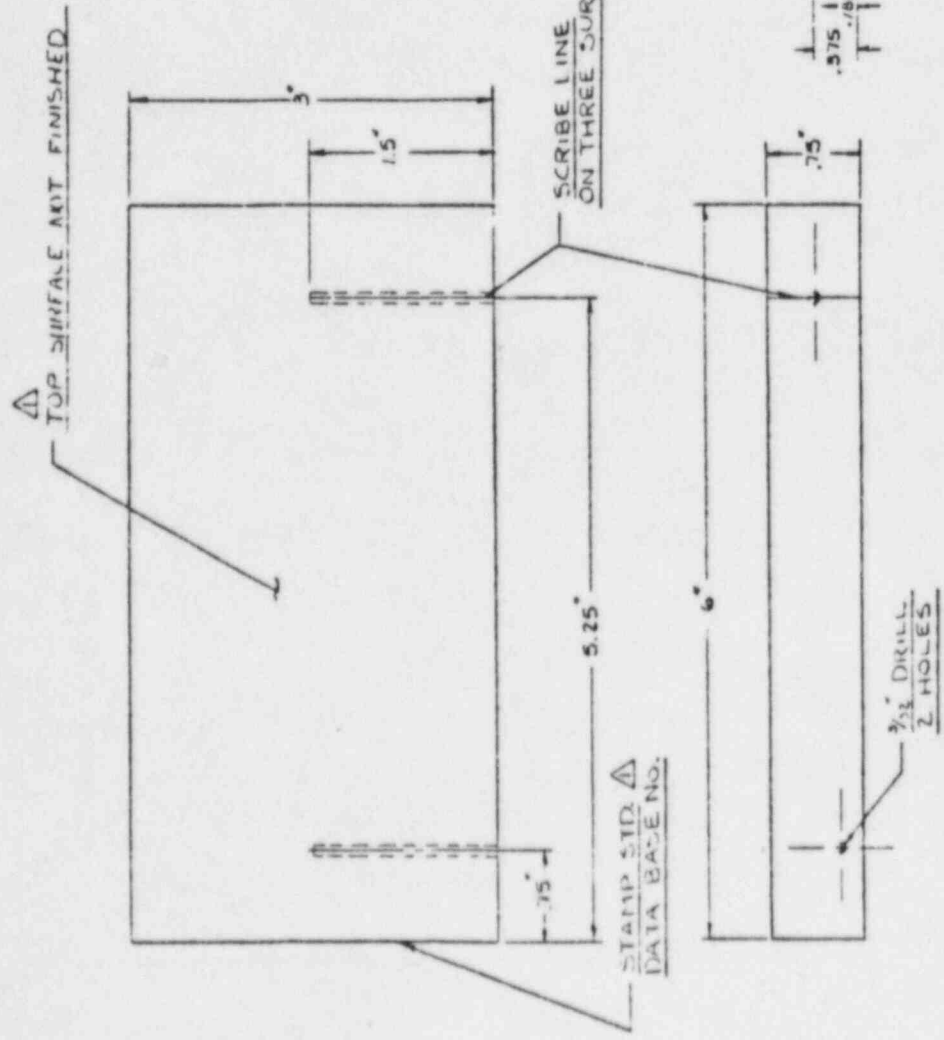
015704070

PC-25680-1

THE BABCOCK & WILCOX COMPANY
POWER GENERATION GROUP

REV	DATE	BY	DESCRIPTION
1	5/21/54	W.C. WILSON	AS PER DRAWING
2	6/1/54	W.C. WILSON	REVISED TO SHOW
3	6/1/54	W.C. WILSON	REVISED TO SHOW
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- NOTES
1. MATERIAL $\frac{3}{4}$ " THK CS.
 2. HOLES DIA. $\frac{3}{16}$ " DEPTH $\frac{1}{2}$ "
 3. TOL. FOR TWO DEC. PLACES ± 0.010
TOL. FOR FRACTIONAL DIM ± 0.015
 4. STANDARD DATA BASE NO 40836
 5. CONTRACT NO. 192-034-015
 6. MACHINE FIN TO 125 R.P.M. 5 UNLESS OTHERWISE NOTED

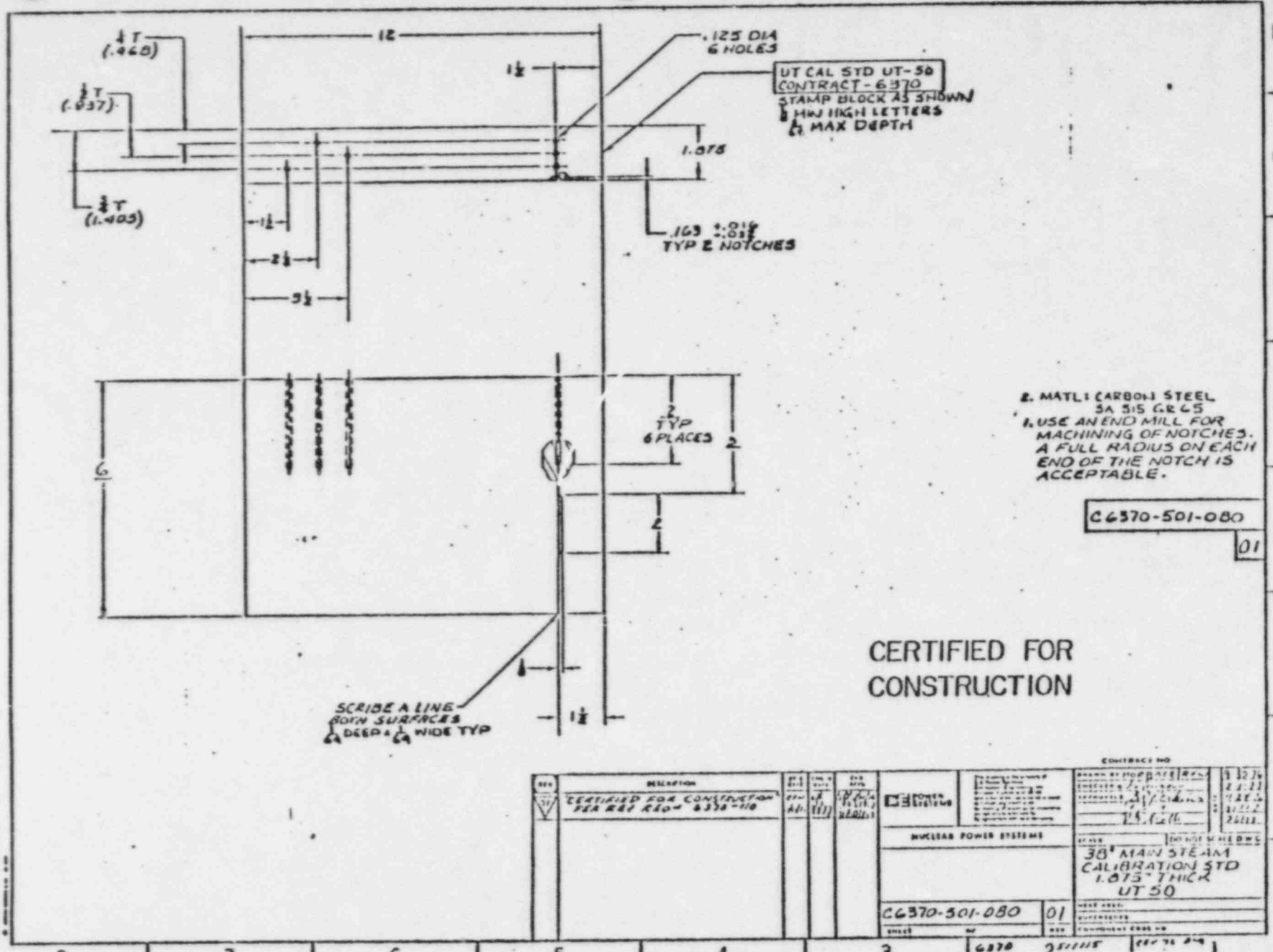


ARKANSAS POWER & LIGHT UNIT I

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PC-25680-1

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THE BABCOCK & WILCOX COMPANY.



2. MAT'L CARBON STEEL
SA 515 GR 65
1. USE AN END MILL FOR
MACHINING OF NOTCHES.
A FULL RADIUS ON EACH
END OF THE NOTCH IS
ACCEPTABLE.

6370-501-080

01

CERTIFIED FOR
CONSTRUCTION

SCRIBE A LINE
BOTH SURFACES
.04 DEEP x .14 WIDE TYP

REV	DESCRIPTION	BY	CHKD	DATE	APPROVED	CONTRACT NO	ISSUED BY	DATE
1	CERTIFIED FOR CONSTRUCTION PER REV REQ# 6370-110	AD	AD	11/11		6370-501-080	01	11/11
NUCLEAR POWER SYSTEMS						30" MAIN STEAM CALIBRATION STD 1.075" THICK UT 50		
6370-501-080						01		
SHEET NO						2 OF 2		

8 7 6 5 4 3 2 1

Project No. 192-034-006

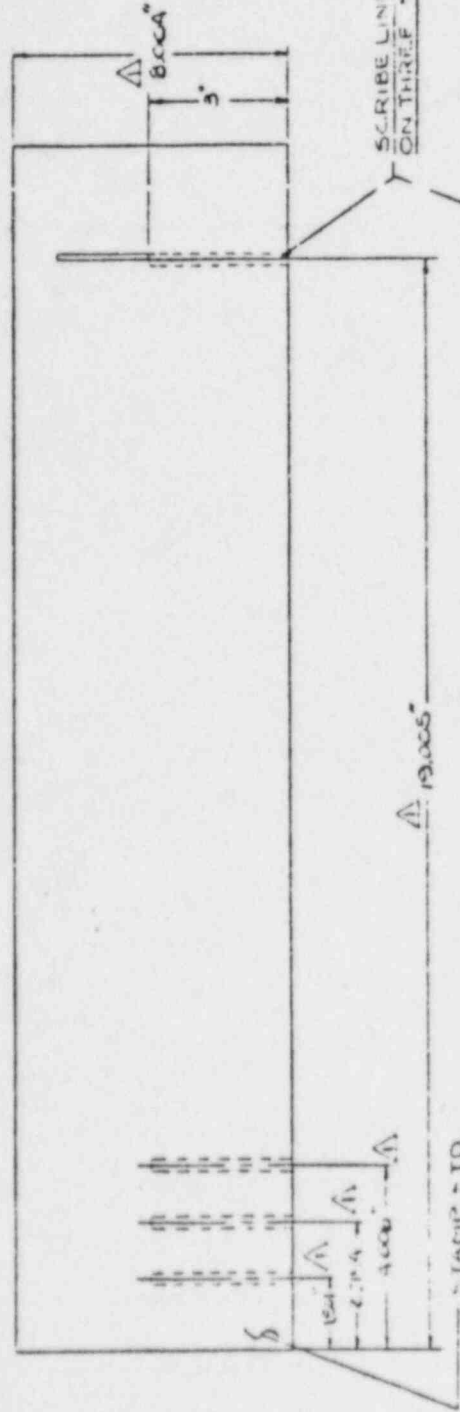
AP&L ARKANSAS NUCLEAR ONE
UNIT #1-CALIBRATION BLOCK
#40837

U I J J U U U U U

PC-25681

THE BARCOCK & WILCOX COMPANY
POWER GENERATION GROUP

REV.	DATE	DESCRIPTION	BY	CHKD.
1		As Shown		



- NOTES:**
1. MATERIAL S THK CS
 2. SA-511, GR-70
 3. 2 HOLES DIA. 1.62 DEPTH .3
 4. TOL FOR TWO DEC. PLACES ±.010
 5. TOL FOR FRACTIONAL DIM. ±.015
 6. NOTCHES 2" x .125, WIDE x .10218
 7. STANDARD DATA BASE NO. 40838
 8. CONTRACT NO. 593-0241-10 02

7. MACHINE FINISH TO 125 RMS

STAMP TO DATA BASE NO.

1/8" DRILL 6 HOLES

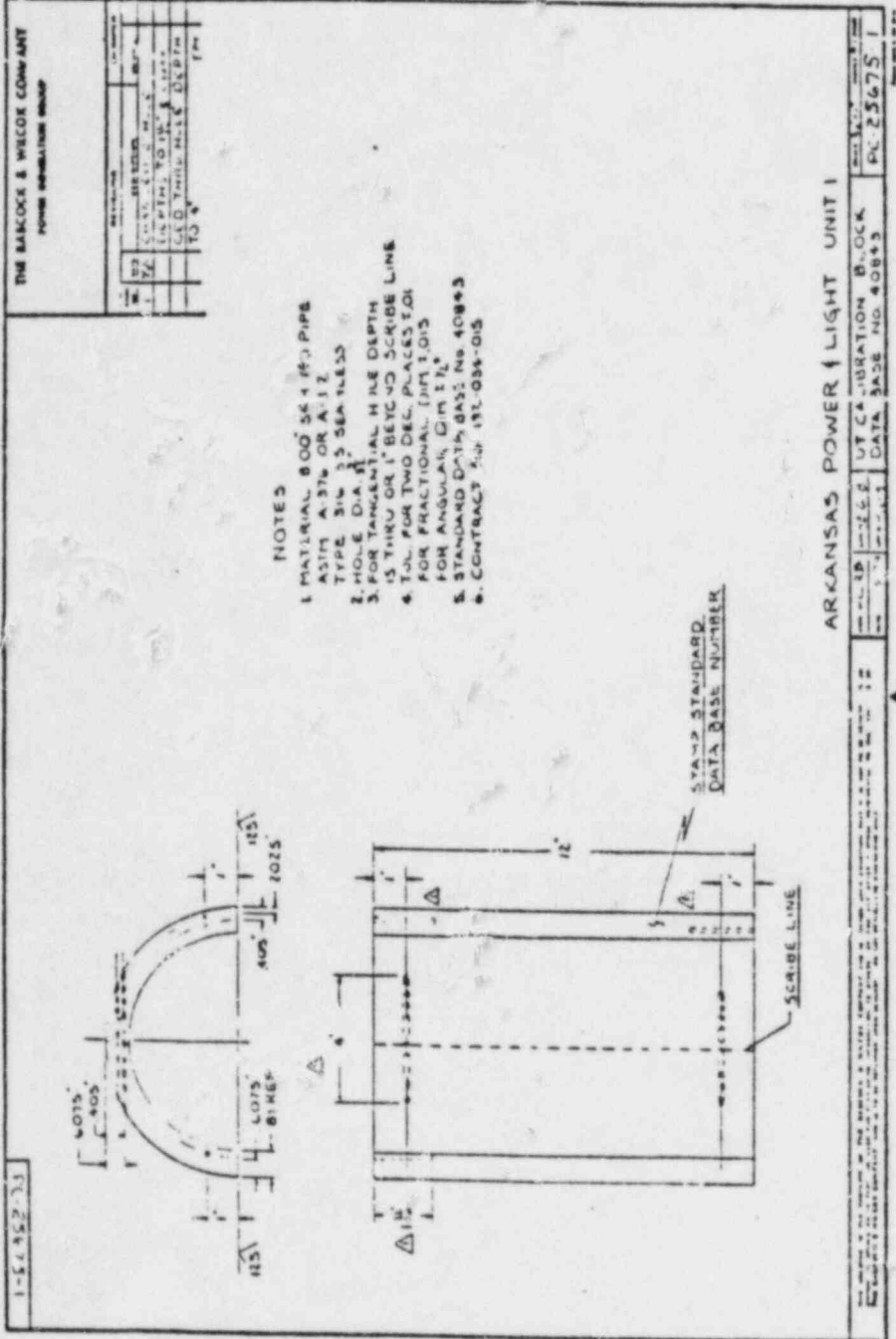
ARKANSAS POWER & LIGHT UNIT

UT CALIBRATION BLOCK
DATA BASE NO. 40838

PC-25681

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U I 3 7 0 1 0 7 4



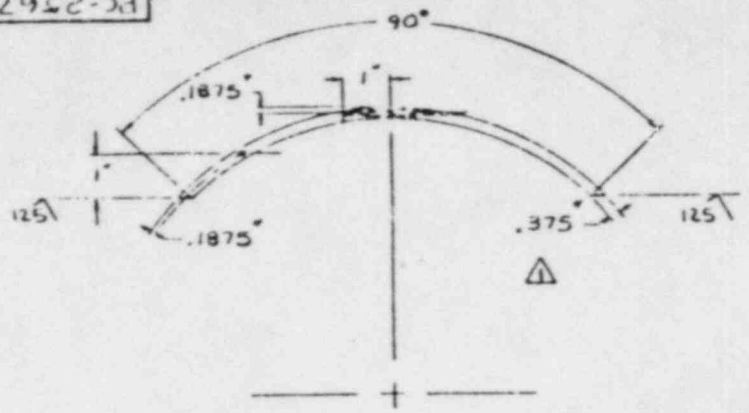
MICROFILMED BY:
D & W LYNCHBURG, VA.

03-24-70

PC-25679-1

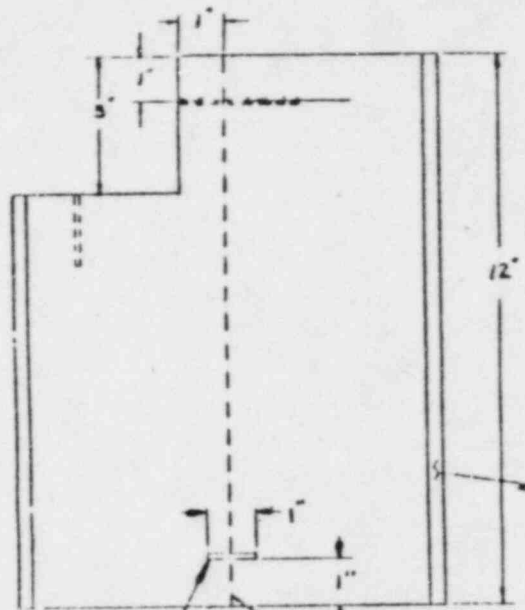
THE BABCOCK & WILCOX COMPANY
POWER BRIMATION GROUP

REVISIONS:		MICROFILM
NO.	DATE	DESCRIPTION
1	7-1-79	HANDLE FILED TO STD PIPE IN P
2	7-1-79	ADDED NOTCH



NOTES

1. MATERIAL 12.75 SCH. STD. PIPE
ASTM A-358 CLASS 1
TYPE 304 WELDED
2. HOLE DIA. $\frac{1}{32}$ "
3. FOR TANGENTIAL HOLE DEPTH
IS THRU OR 1" BEYOND SCRIBE LINE
FOR END HOLE DEPTH IS $1\frac{1}{2}$ "
4. TOL. FOR TWO DEC PLACES $\pm .01$
FOR FRACTIONAL DIM. $\pm .015$
FOR ANGULAR DIM. $\pm \frac{1}{2}^\circ$
5. STANDARD DATA BASE No. 40845
6. CONTRACT No. 192-054-015



STAMP STANDARD
DATA BASE NUMBER

NOTCH: LENGTH-1" MINIMUM
WIDTH-NO GREATER THAN
DEPTH- $10\%T(0.25) \pm .005$
 $\pm .010$

PERPENDICULARITY $\pm 2^\circ$ TO ID & OD SURFACES

ARKANSAS POWER & LIGHT UNIT 1

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THE BABCOCK & WILCOX COMPANY AND IS TO BE RETURNED UPON REQUEST. DO NOT SCALE. USE DIMENSIONS ONLY.

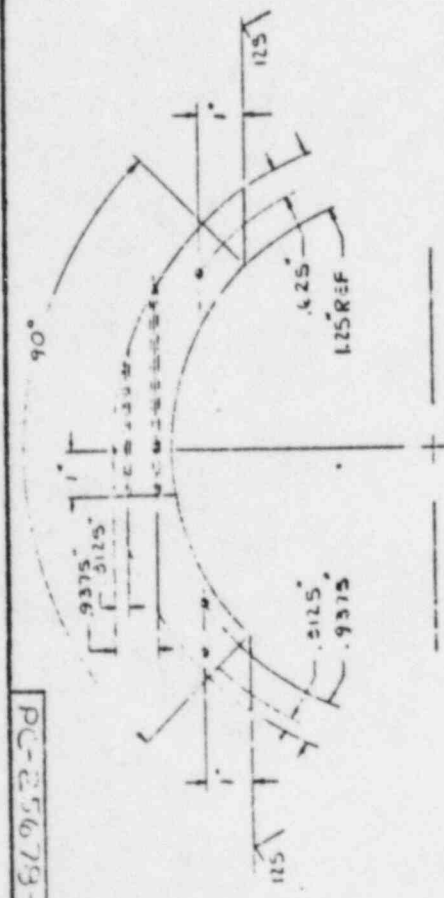
DATE 2-19-79	BY H.S.	UT CALIBRATION BLOCK DATA BASE NO. 40845	PC-25679-2
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REV. NO. 15 1187

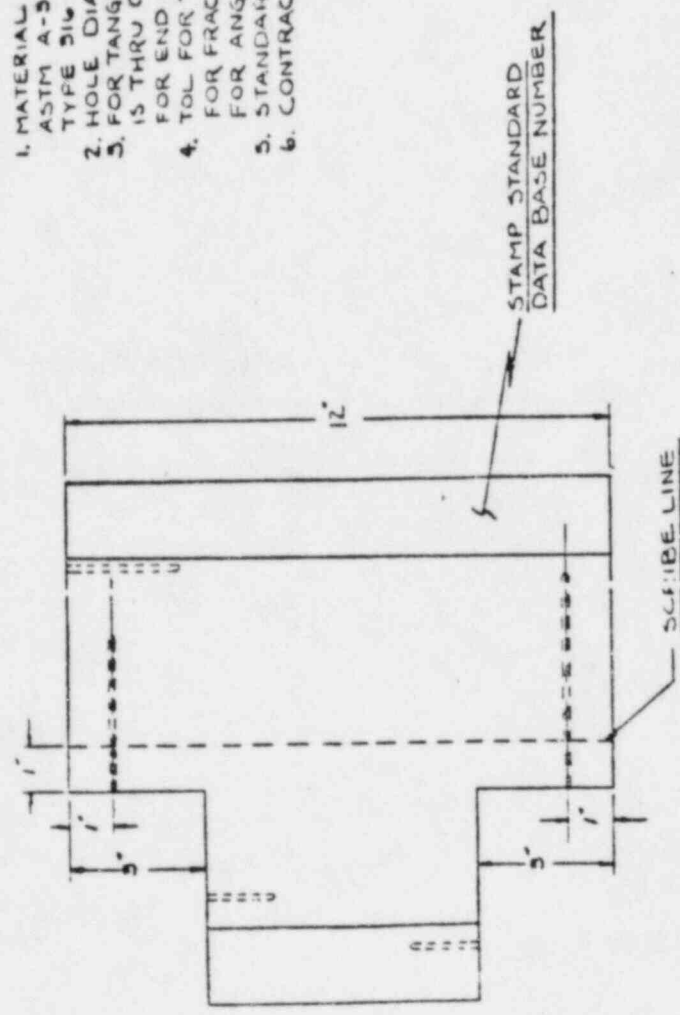
015104077

THE BASCOCK & WILCOX COMPANY
POWER GENERATION GROUP

REV.	DESCRIPTION	DATE



- NOTES**
1. MATERIAL 1/4" SCH 140 PIPE
ASTM A-576 OR A-512
TYPE 316 SS, SEAMLESS
 2. HOLE DIA. 1/8"
 3. FOR TANGENTIAL HOLE DEPTH
IS THRU OR 1" BEYOND SCRIBE LINE
FOR END HOLES DEPTH IS 1 1/2"
 4. TOL FOR TWO DEC PLACES ±.01
FOR FRACTIONAL DIM 1/16
FOR ANGULAR DIM 1/2°
 5. STANDAKD DATA BASE NO. 40848
 6. CONTRACT NO 192-034-015



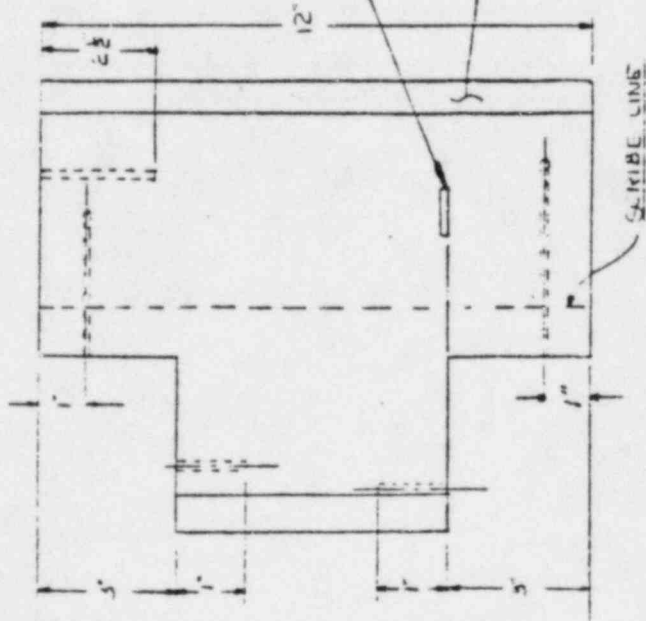
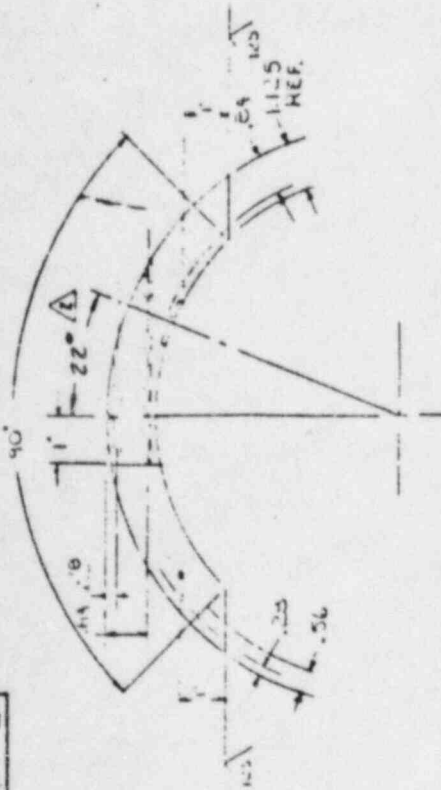
ARKANSAS POWER & LIGHT UNIT 1

DATE: 2-17-71	BY: J.J.	UT CALIBRATION BLOCK	PC-25678-0
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UNIT 3 / U-1 U / 6

THE BARCOCK & WILCOX COMPANY
POWER GENERATION GROUP

REV.	DATE	BY	CHKD.	DESCRIPTION
1	11/23	AW	AW	REVISED MACH



NOTES:

1. MATERIAL - K75 SCH 140 PIPE
A: TM A 370 OF A-312
TYPE 316 SS; SEAMLESS
2. HOLE DIA. $\frac{1}{8}$ "
3. FOR TANGENTIAL HOLE DEPTH IS
THRU OR 1" BEYOND SCRIBE LINE
4. TOOL FOR TWO DEC. PLACES 10"
FOR FRACTIONAL DEPT. 0.5"
FOR ANGULAR DIM. $1\frac{1}{4}$ "
5. STANDARD DATA BASE NO. 40840
6. CONTRACT NO. 142-034-015

NOTCH: LENGTH - 1" MINIMUM
WIDTH - NO GREATER THAN $\frac{1}{8}$ "
DEPTH - 10% T (.1125) T .02250"
PERPENDICULARITY - 12° TO ID OD SURFACES

STAMP STANDARD
DATA BASE NO.

ARKANSAS POWER LIGHT UNIT 1

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OWN BY DTW
DATE 10/21/71

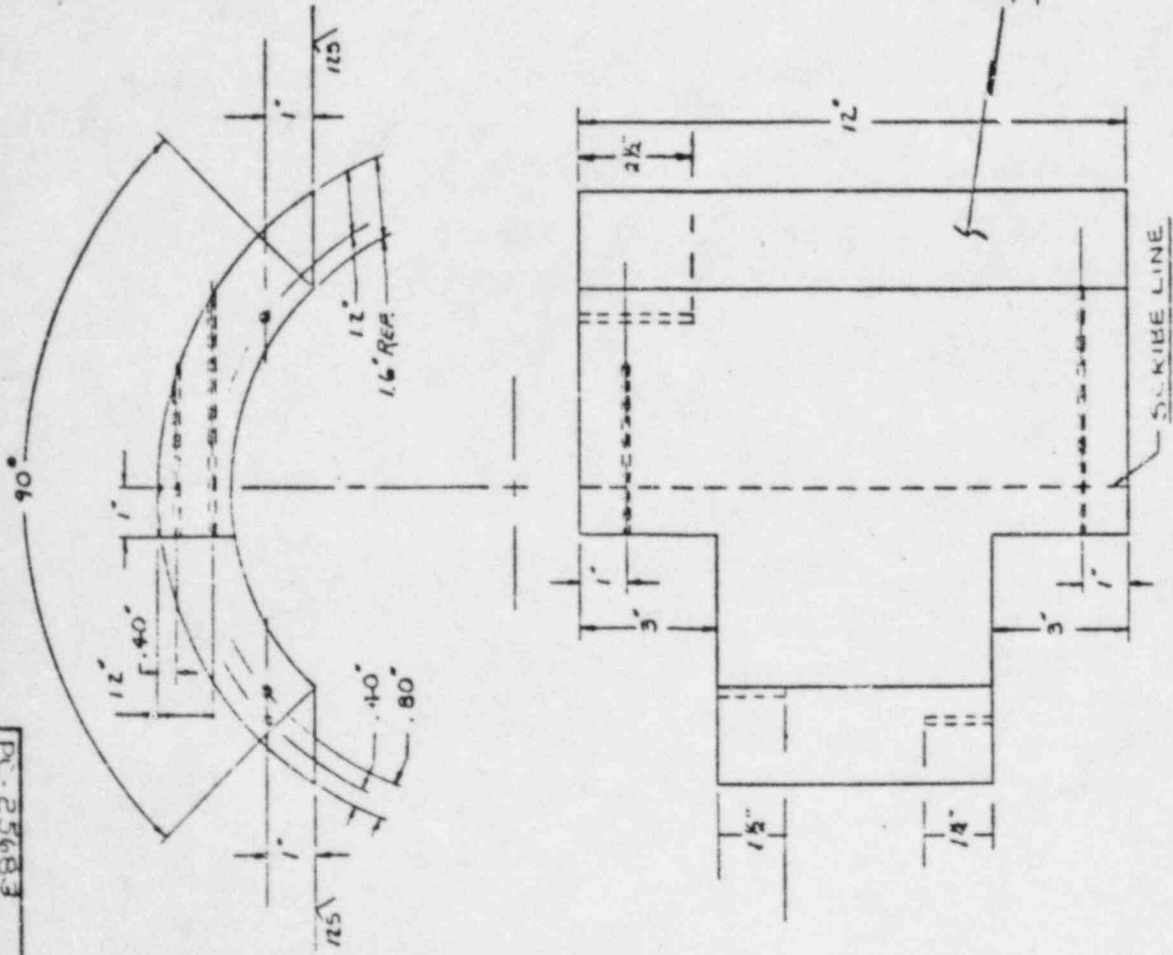
UT CALIBRATION BLOCK
DATA BASE NO. 40846

PC-25641-1

U I 3 / U 4 U 1 0

THE BARCOCK & WILCOX COMPANY
POWER EQUIPMENT GROUP

REVISIONS		DATE	BY	REASON



NOTES

1. MATERIAL 15.60 O.D. 1.60 THK. NOT STANDARD PIPE SIZE TYPE SS. SA-336-L3A
2. HOLE DIA. 1/2"
3. FOR TANGENTIAL HOLE DEPTH IS THRU OR 1" BEYOND SCRIBE LINE. FOR END HOLES DEPTH IS 1 1/2" OR 2 1/2"
4. TOL. FOR TWO DEC. PLACES ±.01 FOR FRACTIONAL DIM. ± 1/20 FOR ANGULAR DIM. ± 1/20
5. STANDARD DATA BASE NO. 40849
6. CONTRACT NO. 192-034-015

STAMP STANDARD DATA BASE NUMBER

ARKANSAS POWER & LIGHT UNIT I

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DATE 2-28-79	BY E.G.S.	UT CALIBRATION BLOCK DATA BASE NO. 40849	PC-25683-0
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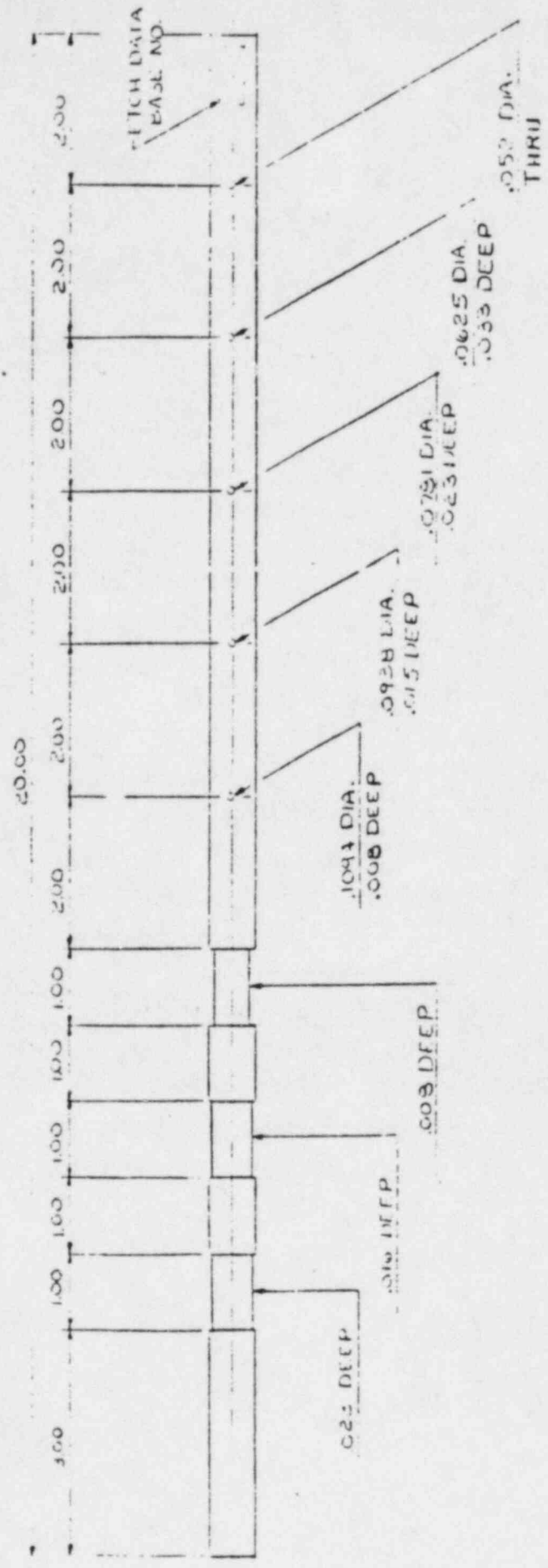
0013704079

THE BABCOCK & WILCOX COMPANY
POWER GENERATION GROUP

REVISED BY	DATE	REVISION

NOTES:

1. MATERIAL IS INCONEL 600
2. 5/8" OD TUBE, .034" WALL
3. FLAT BOTTOM DRILL ALL HOLES



U I 3 / U 1 U 0 0

0-589520

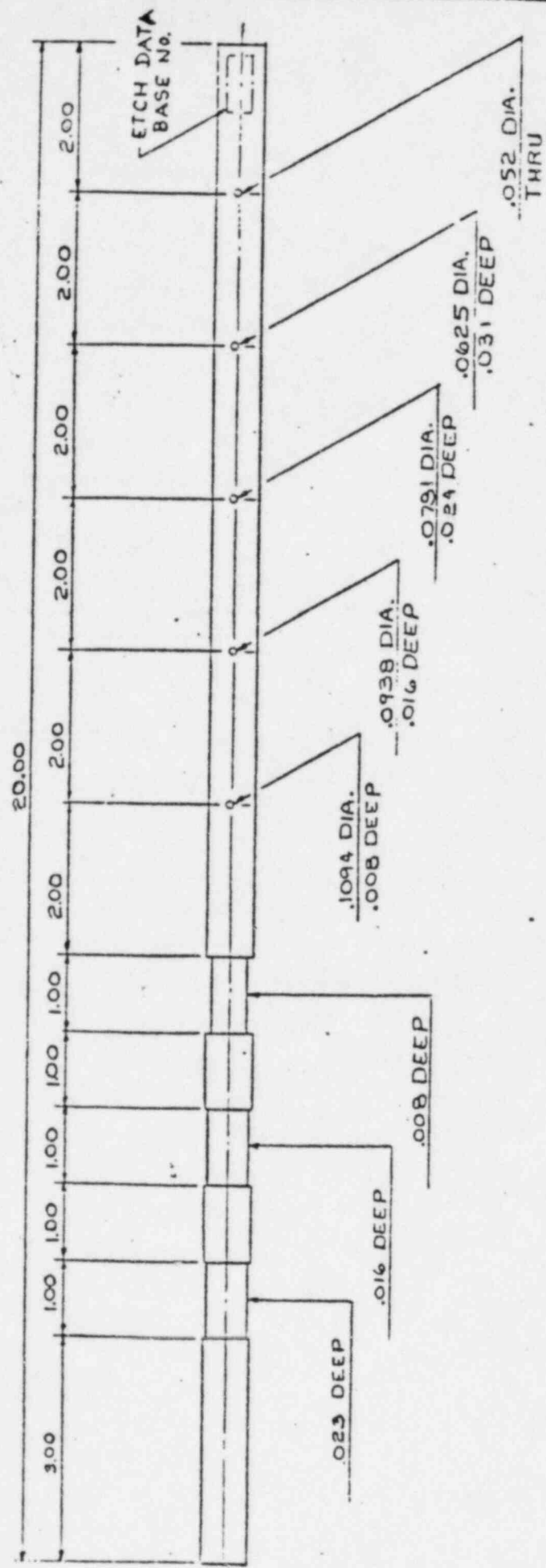
NOTES:

- 1. MATERIAL IS INCONEL 600
- 2. $\frac{7}{8}$ " OD. TUBE, .034" WALL
- 3. FLAT BOTTOM DRILL ALL HOLES

THE BARCOCK & WILCOX COMPANY
POWER GENERATION GROUP

40851

REVISIONS		MICROFILM	
NO.	DATE	NO.	DATE



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DATE BY PLM 3/15/74

OTSG ET CALIBRATION
STD. DATA BASE # 40851

PC-25685-0

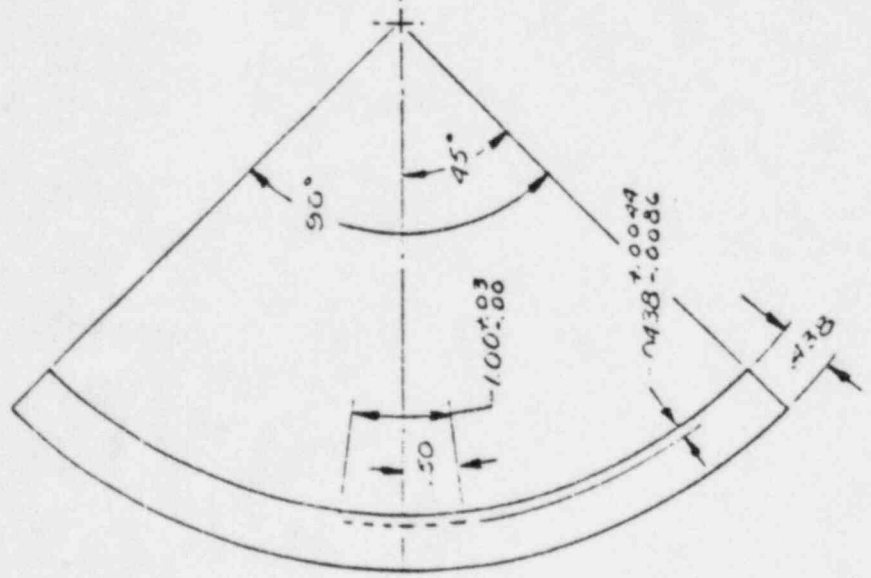
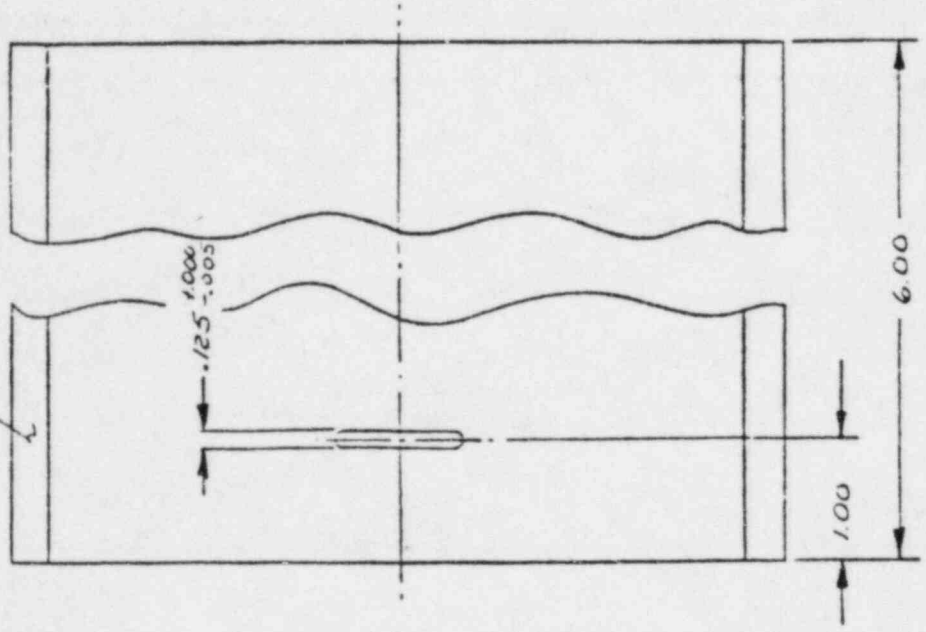
U I J / U 4 U 0 1

B G221211

THE BABCOCK & WILCOX COMPANY
POWER GENERATION GROUP

REV.	DATE	BY	CHK.

STAMP STANDARD
DATA BASE NO. 40352



NOTES:

1. SIZE (DIA): 4" SCH 120
2. MATL: A516 OR A312 TYPE B16
3. SITE: RICHMOND, VA
4. CUSTOMER: HANOVERIA P/L
5. CONTRACT NO: 599-0541-25-01
6. DATA BASE NO: 40352
7. TOL. FOR .XX = ±.03
.XAX = ±.030
8. SIDES OF SLOT TO BE PERPENDICULAR TO I.D. AND O.D. WITHIN ±.01

APPROXIMATE FORWARD LIGHT 2.17.1

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DATE: DEC 1953
BY: J. J. J.
CHK: J. J. J.

U.T. 40352
112129 B-0

03015704082

Q 0E21211

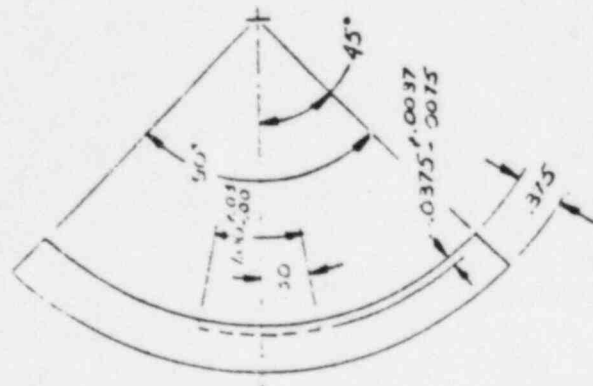
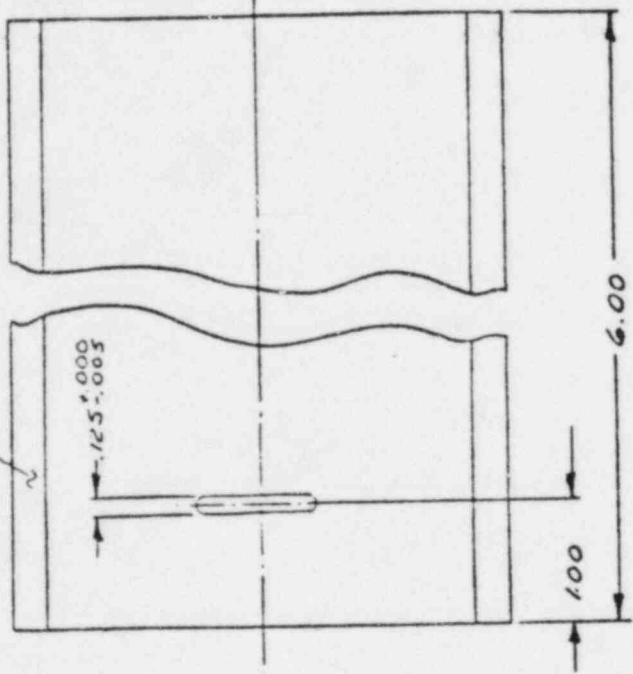
THE BARCOCK & WILCOX COMPANY
POWER EQUIPMENT GROUP

REV	DATE	BY	DESCRIPTION

NOTES:

1. SIZE (DIA) 1 2 1/2" SCH 160
2. MATL: SAE 316
3. SITE: RUSSELLVILLE, ARK
4. CUSTOMER: ARKANSAS P&L
5. CONTRACT NO: 599-0391-25-01
6. DATA BASE NO: 40853
7. TOL. FOR .XX = ±.03
.XXX = ±.030
8. SIDES OF SLOT TO BE PERPENDICULAR TO I.D. AND O.D. WITHIN ±2°

STAMP STANDARD
DATA BASE NO. 40853



ARKANSAS POWERLIGHT UNIT #1

U.T. FABRICATION STG.
277 CH-80 40853

DATE: 11-20-50

BY: P.L.K.

CHKD BY: P.L.K.

APPROVED: P.L.K.

DATE: 11-20-50

BY: P.L.K.

CHKD BY: P.L.K.

APPROVED: P.L.K.

DATE: 11-20-50

BY: P.L.K.

CHKD BY: P.L.K.

APPROVED: P.L.K.

DATE: 11-20-50

BY: P.L.K.

CHKD BY: P.L.K.

APPROVED: P.L.K.

DATE: 11-20-50

BY: P.L.K.

CHKD BY: P.L.K.

APPROVED: P.L.K.

DATE: 11-20-50

BY: P.L.K.

CHKD BY: P.L.K.

APPROVED: P.L.K.

DATE: 11-20-50

BY: P.L.K.

CHKD BY: P.L.K.

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U I J U U U

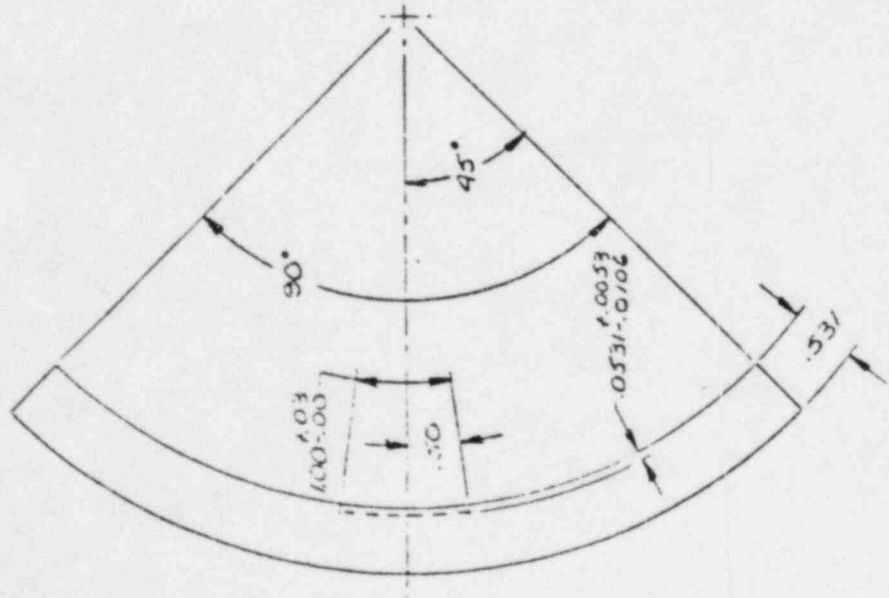
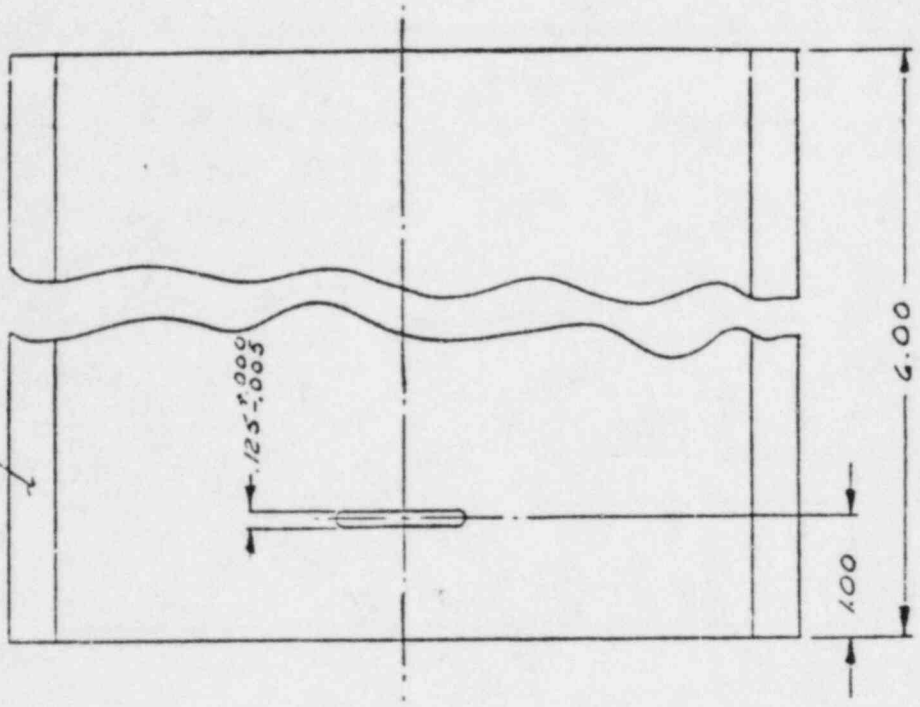
THE BABCOCK & WILCOX COMPANY
POWER GENERATION GROUP

REV.	DATE	DESCRIPTION	BY	CHK.

NOTES:

1. SIZE (DIA): 4" SCH 160
2. MATL: SA312 TYPE 316
3. SITE: RUSSELLVILLE, ARK
4. CUSTOMER: APARANSAS PPL
5. CONTRACT NO: 599-0341 25-01
6. DATA BASE NO: 40BS4
7. TOL. FOR .XX = ±.03
.XX = ±.030
8. SIDES OF SLOT TO BE PERPENDICULAR TO I.D. AND O.D. WITHIN ±2°

STAMP STANDARD
DATA BASE NO. 40BS4



1121211

APARANSAS POWERLIGHT UNIT #1

U.S. CALIBRATION SLT: 40BS4
4" SCH 160

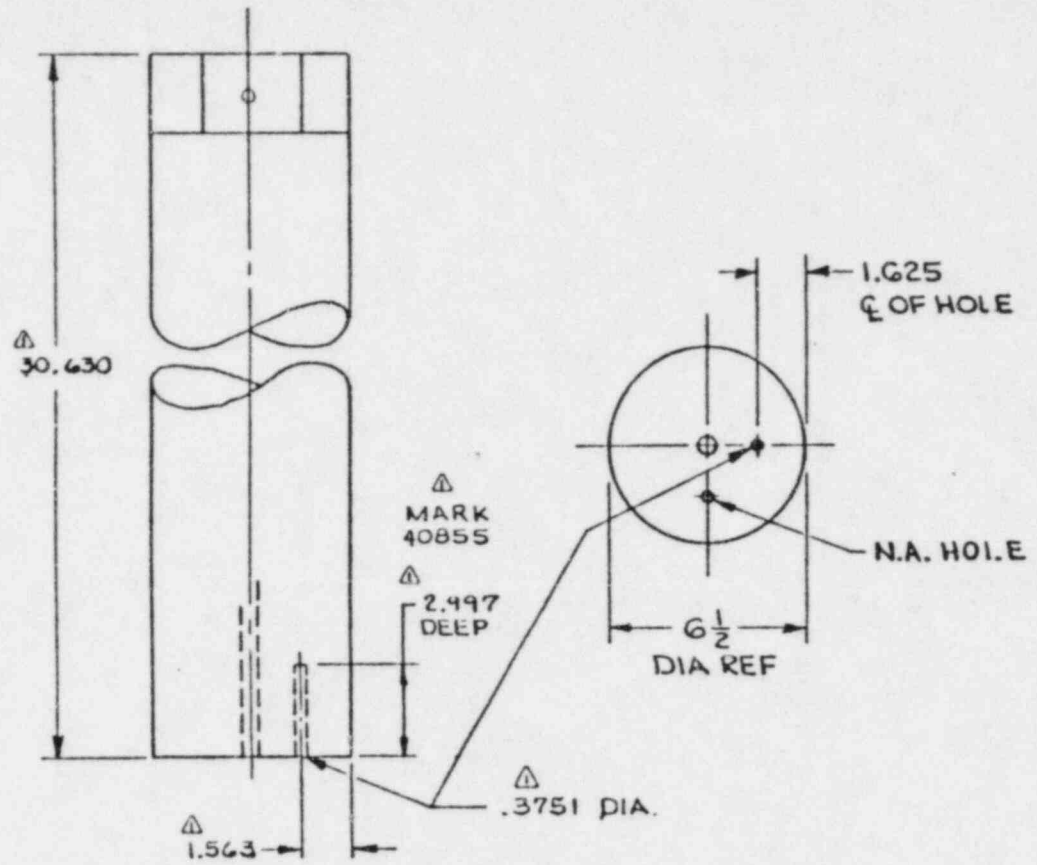
1121211 B-0

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1122837 B

THE BABCOCK & WILCOX COMPANY
POWER GENERATION GROUP

REVISIONS		MICROFILM
NO.	DATE	DESCRIPTION
1	12-10-80	AS-BUILT REV



- INFORMATION REQUIRED
1. SIZE DIA. 8 1/2"
 2. TYPE OF MAT. A540-R23.
 3. ARKANSAS POWER & LIGHT.
 4. AP&L UNIT 1.
 5. CONTRACT 589-0341 14-05.
 6. DATA BASE NO. 40855.

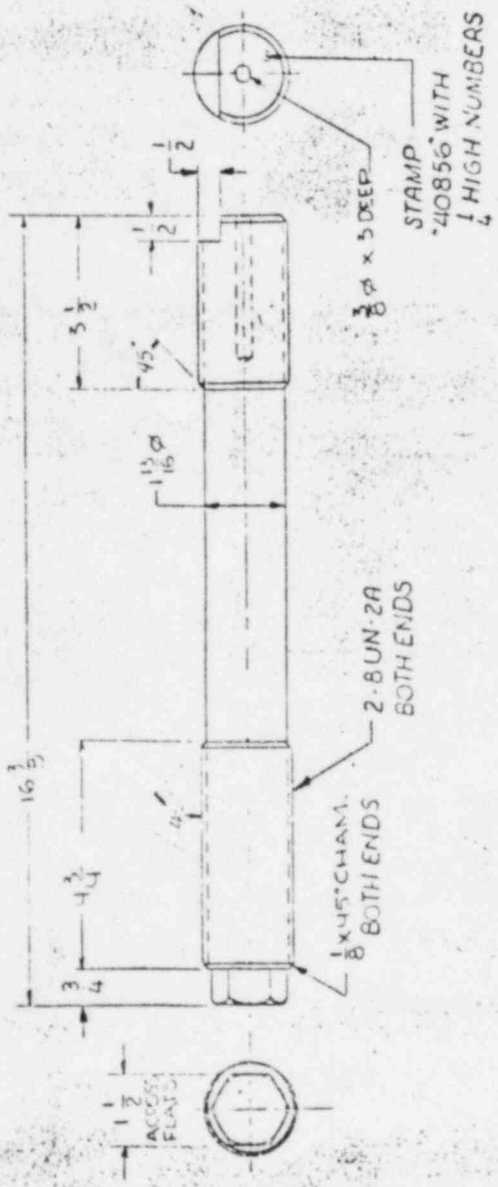
- NOTES:
1. HOLE DIA. 3/8".
 2. TOL FOR XX = .01
TOL FOR .XXX = .003
TOL FOR FRACTION = ± 1/32

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DATE 12-10-80	APP. MCH	R.V. CLOSURE STUD	SCALE	INCHES - 1 FOOT
		CALIBRATION BLOCK DB40855	1122837	B-1

BILL OF MATERIALS
QUANTITIES ARE FOR

GROUP NO. & QUANTITY	ITEM NO.	NAME	PIECE NO.	MATERIAL	RE MARKS
6 5 4 3 2 1	1	CALIBRATION STD 40856	C-6370-501-120	GR L83	



1. UNLESS OTHERWISE SPECIFIED ALL DIMS ARE IN INCHES.

C-6370-501-120

CERTIFIED FOR CONSTRUCTION

GROUP NO. & QUANTITY	ITEM NO.	NAME	PIECE NO.	MATERIAL	RE MARKS
6 5 4 3 2 1	1	CALIBRATION STD 40856	C-6370-501-120	GR L83	

GROUP NO. & QUANTITY	ITEM NO.	NAME	PIECE NO.	MATERIAL	RE MARKS
6 5 4 3 2 1	1	CALIBRATION STD 40856	C-6370-501-120	GR L83	

GROUP NO. & QUANTITY	ITEM NO.	NAME	PIECE NO.	MATERIAL	RE MARKS
6 5 4 3 2 1	1	CALIBRATION STD 40856	C-6370-501-120	GR L83	

GROUP NO. & QUANTITY	ITEM NO.	NAME	PIECE NO.	MATERIAL	RE MARKS
6 5 4 3 2 1	1	CALIBRATION STD 40856	C-6370-501-120	GR L83	

GROUP NO. & QUANTITY	ITEM NO.	NAME	PIECE NO.	MATERIAL	RE MARKS
6 5 4 3 2 1	1	CALIBRATION STD 40856	C-6370-501-120	GR L83	

GROUP NO. & QUANTITY	ITEM NO.	NAME	PIECE NO.	MATERIAL	RE MARKS
6 5 4 3 2 1	1	CALIBRATION STD 40856	C-6370-501-120	GR L83	

ARKANSAS POWER & LIGHT CO

NUCLEAR ONE - UNIT 1

SUPPLIERS

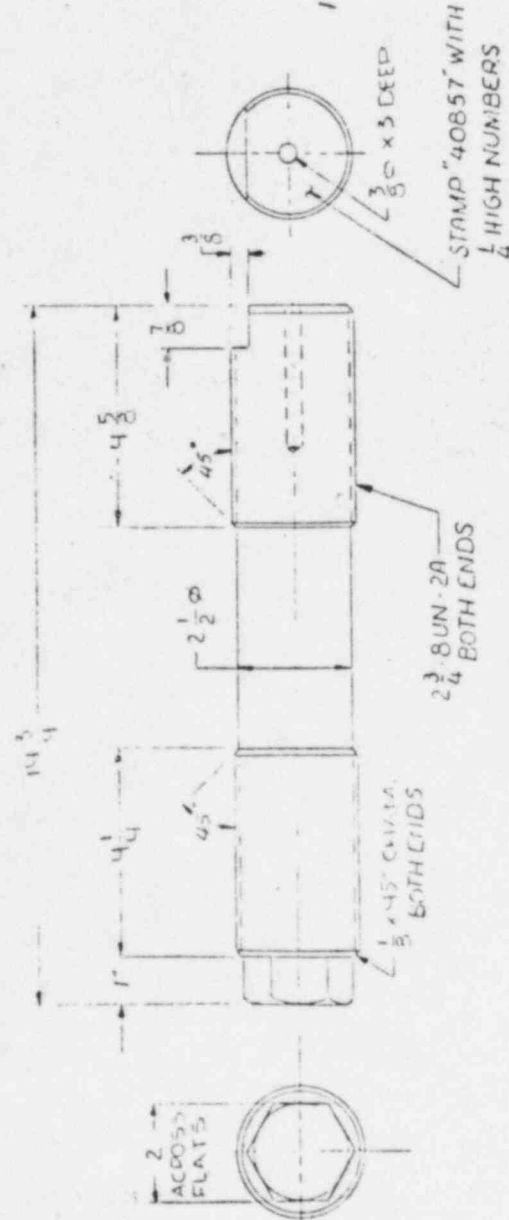
CALIBRATION STD 40856

40856

C-6370-501-120

BILL OF MATERIALS
QUANTITIES ARE FOR

GROUP NO & QUANTITY	ITEM NO	NAME	PIECE NO	MATERIAL	REMARKS
5	4	3	2	1	
CALIBRATION STD 40857 C-6370-501-121 SAJ20 68243					



1- UNLESS OTHERWISE SPECIFIED ALL DIMS ARE
IN INCHES

C-6370-501-121
01

1 CALIBRATION STD 40857

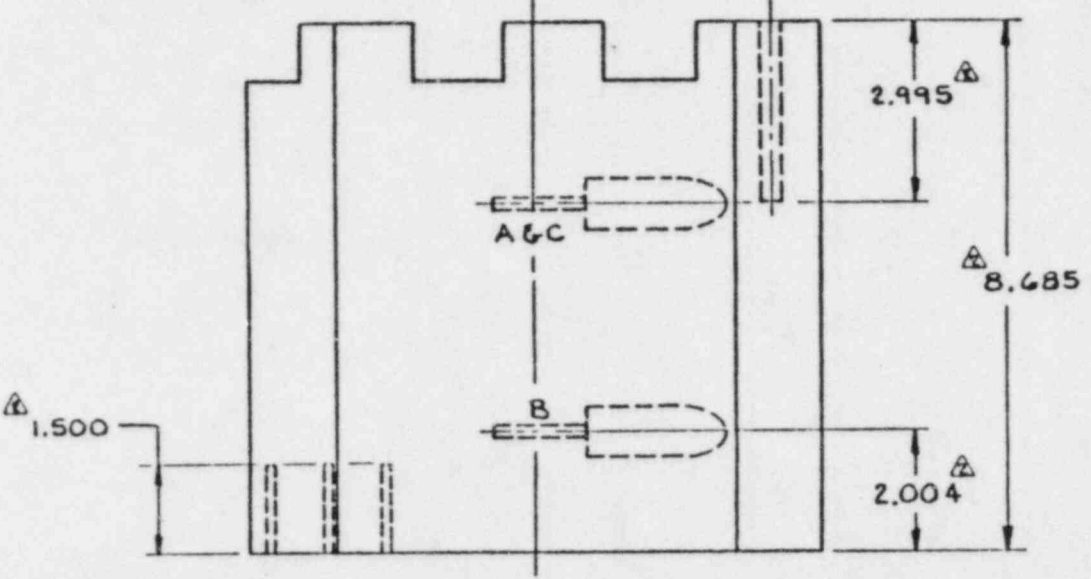
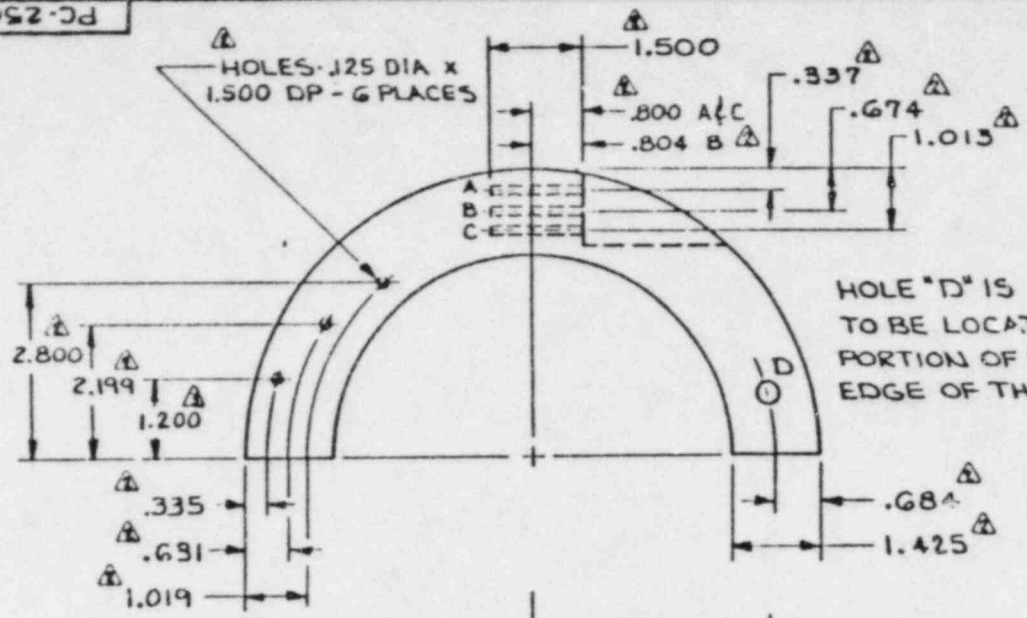
CERTIFIED FOR
CONSTRUCTION

GROUP NO & QUANTITY	ITEM NO	NAME	PIECE NO	MATERIAL	REMARKS
5	4	3	2	1	
CALIBRATION STD 40857 C-6370-501-121 SAJ20 68243					
UNLESS OTHERWISE SPECIFIED DIMENSIONING & TOLERANCING PER ANSI Y14.5 1973					
DIMENSIONS UNDER 8" OVER 18" DECIMAL 1/1005 1/1005 1/1010 FRACTION 1/8 1/16 1/32 1/64 1/128 1/256 1/512					
DO NOT SCALE DRAWING					
BREAK CORNERS 1/8" APPROX R OR CHAM - FILLETS 1/8" TO 1/32" R					
FINISH 10. AA125 MICRO IN					
DESIGNATION					
CERTIFIED FOR CONSTRUCTION PER REV REQ 4678-290					
DRAWN BY: [Signature]					
CHECKED BY: [Signature]					
APPROVALS: [Signature]					
DATE: 11-13-53					
TITLE					
CUSTOMER					
ARIZONA POWER & LIGHT CO					
NUCLEAR ONE - UNIT 1					
SUPERSEDES					
CALIBRATION STD 40857					
UNIT NO					
C-6370-501-121-01					

THE BARCOCK & WILCOX COMPANY
POWER GENERATION GR-UP

REV. NO.	DATE	ISS. BY	REVISION	CHKD. BY
1	10-10-80		REVISED & REDRAWN	
2	11-11-81		AS-BUILT REV.	
3	1-14-81		1.280 WAS 1.501	
4	1-14-81		40861 WAS 40816	

PC-25612



NOTES:

- DIMENSIONAL TOLERANCES:
 I, II ± .1"
 III ± .05"
 IIII ± .005"
- BASE MATERIAL
 A-540 GR B-23
- SIX HOLES - .125" x 1.500"
 MIN. DEEP.
- USE FOR RV CLOSURE NUTS.

REV. 10 11 83

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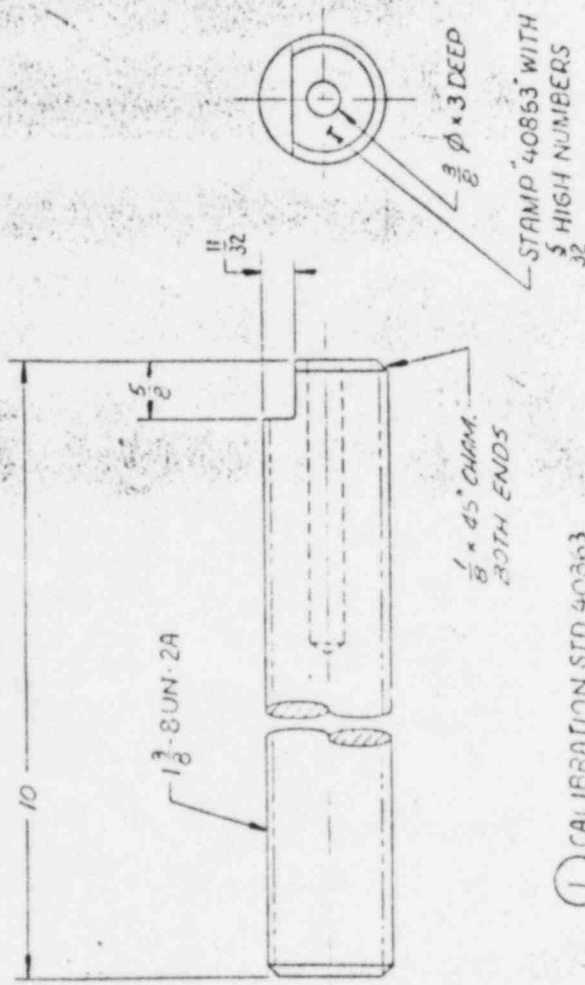
B. B. BODDYS
 DATE 6-17-79
 OFF. M.G.

R.V. CLOSURE NUT
 CALIBRATION BLOCK TJB40861

PC-25612 B-4

BILL OF MATERIALS
QUANTITIES ARE FOR

GROUP NO.	QUANTITY	ITEM NO.	NAME	PIECE NO.	MATERIAL	REMARKS
6	1	1	CALIBRATION STD 40863		AIN93 GR B7	



1- UNLESS OTHERWISE SPECIFIED ALL DIMS ARE IN INCHES

C-6370-501-125

1 CALIBRATION STD 40863

CERTIFIED FOR CONSTRUCTION

REV	DESCRIPTION	DATE	BY	CHKD	APP'D
1	CERTIFIED FOR CONSTRUCTION PER REV REQ 4678-290	11/12/74	W		

UNLESS OTHERWISE SPECIFIED DIMENSIONING & TOLERANCING PER ANSI Y14.5 1973	POWER SYSTEMS CORPORATION, NATIONAL, SC	THE QUALITY OF THE SERVICE OF THIS COMPANY IS GUARANTEED TO BE THAT OF THE BEST AVAILABLE FOR THE TYPE OF WORK ORDERED AT THE TIME OF ORDERING.
DIMENSIONS APPLY AT 85°F (20°C)	NUCLEAR POWER SYSTEMS	THIS DRAWING IS THE PROPERTY OF POWER SYSTEMS CORPORATION. IT IS TO BE USED ONLY FOR THE PROJECT AND FOR THE QUANTITY SPECIFIED THEREON. IT IS NOT TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF POWER SYSTEMS CORPORATION.
DO NOT SCALE DRAWING	ARKANSAS POWER LIGHT CO.	DATE: 11/12/74
DIMENSIONS UNDER 8 - 18 OVER 18	NUCLEAR ONE-UNIT	CHECKER: [Signature]
DECIMAL ± .005 ± .010		APPROVALS: [Signature]
FRACTION ± 1/64 ± 1/32 ± 1/16		DATE: 11/12/74
BREAK CORNERS 1/64 APPROX. R		
OR CHAM - FILLETS 1/64 TO 1/32 R		

CUSTOMER	PROJECT NO.
ARKANSAS POWER LIGHT CO.	40863
NUCLEAR ONE-UNIT	
ASSEMBLY	

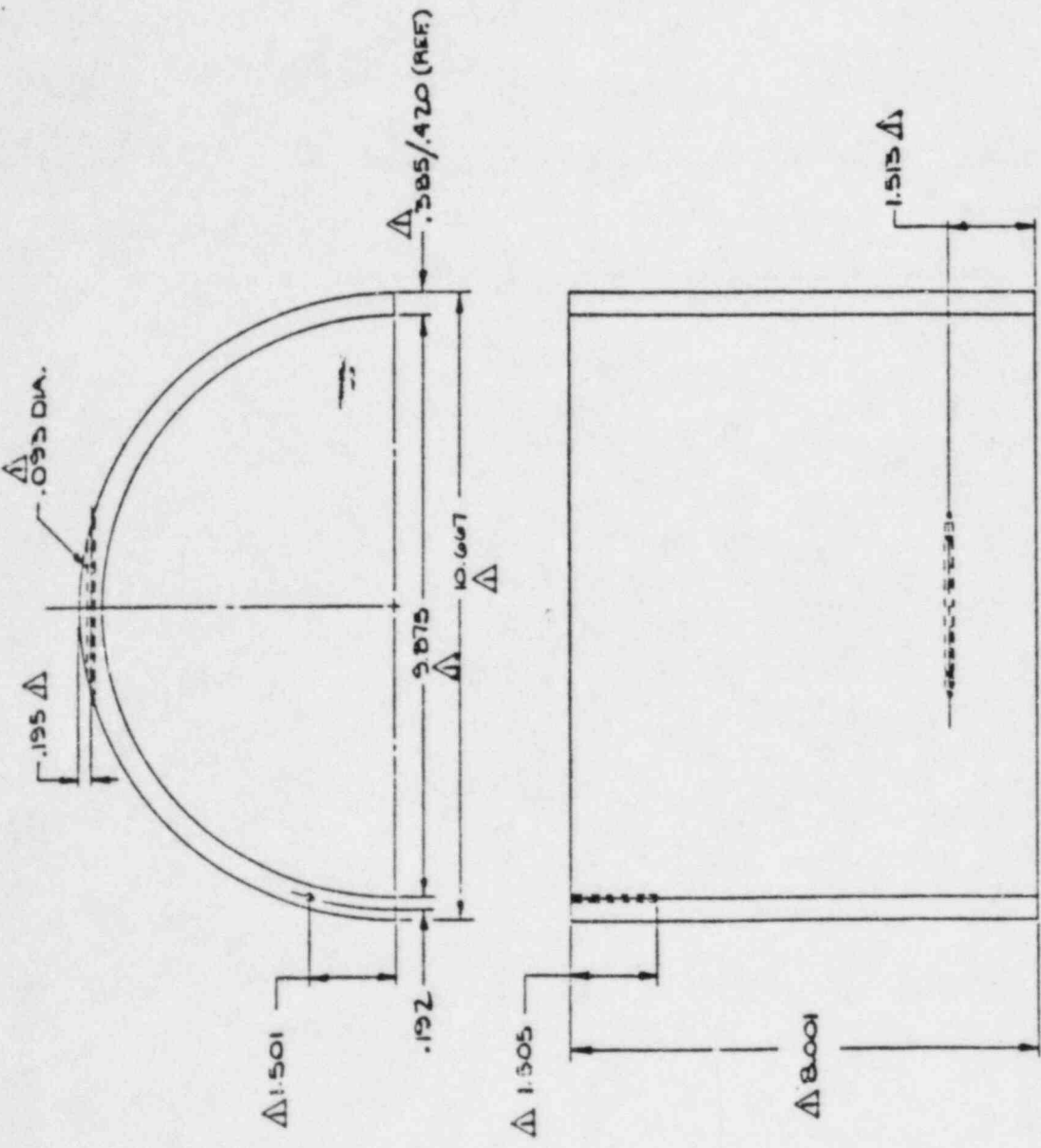
C-6370-501-125 01

015704009

Q 0182211

THE BABCOCK & WILCOX COMPANY
POWER GENERATION GROUP

REVISED	DATE	BY	REASON
1			AS-BUILT DIMS.



INFORMATION REQUIRED

1. SIZE 10"
2. TYPE OF MAT. SA312 OR SA378-304SS.
3. ARKANSAS POWER & LIGHT.
4. AP&L UNIT NO. 1.
5. CONTRAIT 588-0341-10-02.
6. DATA BASE NO. 48884.

NOTES:

1. TOL. FOR .14 = .01
- TOL. FOR .588 = .003
- TOL. FOR FRACTION = 1/32.

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DATE: 12-11-80
 DRAWN BY: JERRE
 CHECKED BY: MCH
 SCALE: 1/2" = 1'-0"

PROJECT: DH REMOVAL SYSTEM PIPING
 CAL. BLK. DB 40 8G4

BLK. NO. 1122840
 SHEET NO. B-1

U 1 5 / U 4 0 9 0

1122841

THE BARCOCK & WILCOX COMPANY
POWER GENERATION GROUP

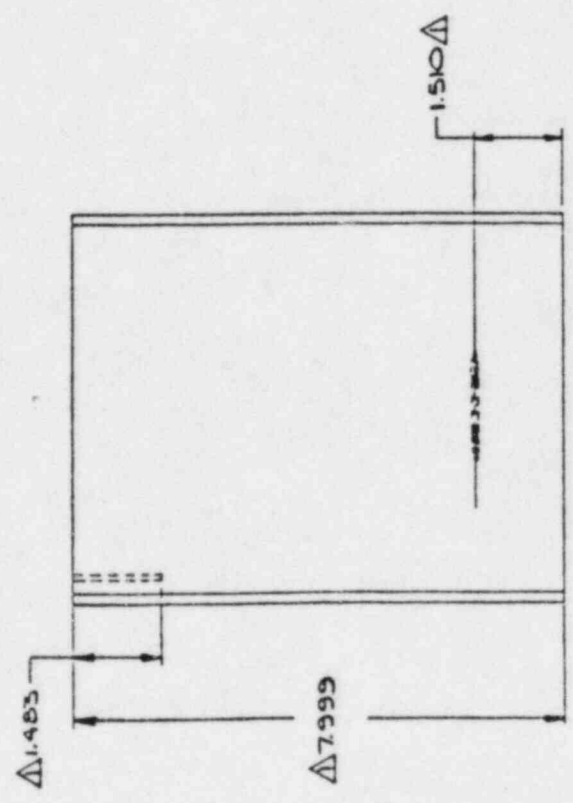
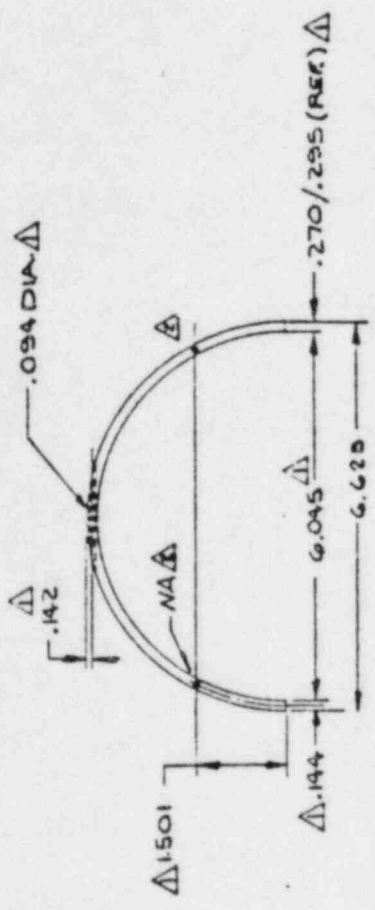
DATE	REVISIONS	MICROFILM
11/27/77	A2-BUILT DIMS	
11/27/77	CHGD HOLE LOCATION	

INFORMATION REQUIRED

1. SIZE 6" ID.
2. TYPE OF L-1. SA312 OR 316 304SS.
3. ARKANSAS POWER & L.GHT.
4. APPL UNIT 1.
5. CONTRACT 589-0341-10-02.
6. DATA BASE NO. 40865.

NOTES:

1. TOL. FOR .IX = .01
- TOL. FOR .III = .003
- TOL. FOR FRACTION = ± 1/32.



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COPIED IN ANY MANNER OR FOR ANY PURPOSE WITHOUT THE WRITTEN PERMISSION OF THE BARCOCK & WILCOX COMPANY AND IS TO BE RETURNED UPON REQUEST.

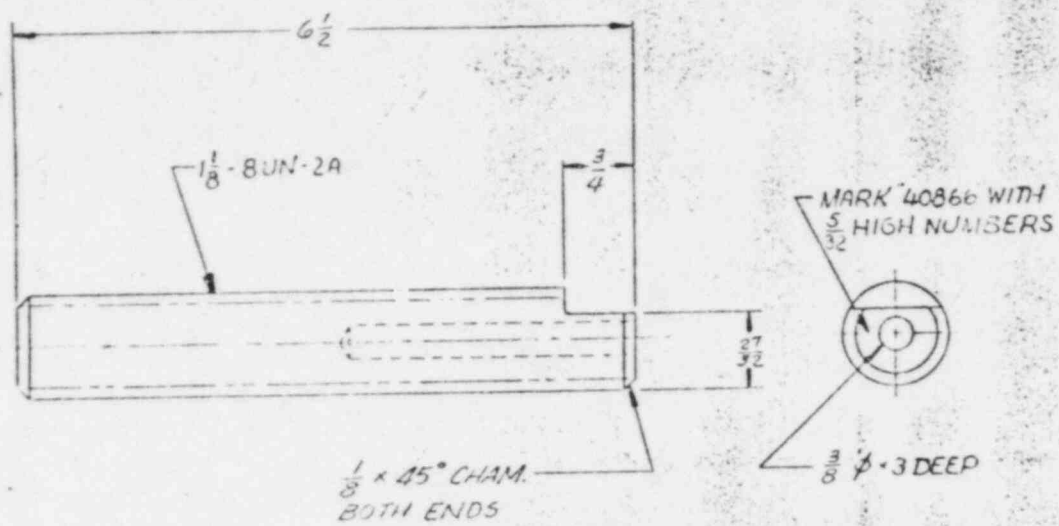
DATE: 11-27-77
BY: JAP/MLR
CHK: MGA

DH REMOVAL SYSTEM PIPING
CAL BLK DB 40865

1122841 B-2

BILL OF MATERIALS
QUANTITIES ARE FOR

GROUP NO & QUANTITY	ITEM NO	NAME	PIECE NO	MATERIAL	REMARKS
6 5 4 3 2 1	1	CALIBRATION STD 40866	C6370-501-126-1	A193 GR B7	



① CALIBRATION STD 40866

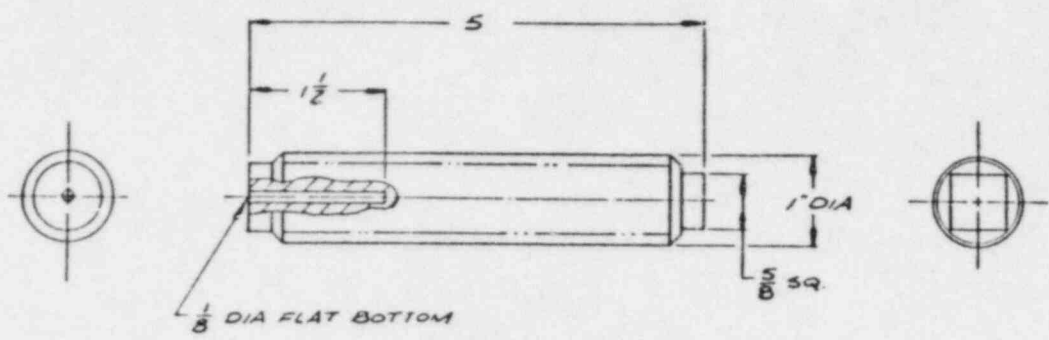
C6370-501-126
01

CERTIFIED FOR
CONSTRUCTION

DESIGNATION 1-CERTIFIED FOR CONSTRUCTION PER REV REQ 4678-290	BY & DATE [Signature]	CHK & DATE [Signature]	ENGR [Signature]	AUTH [Signature]	UNLESS OTHERWISE SPECIFIED DIMENSIONING & TOLERANCING PER ANSI Y14.5 1973 DIMENSIONS APPLY AT 68°F (20°C) DO NOT SCALE DRAWING			POWER SYSTEMS NUCLEAR POWER SYSTEMS CUSTOMER ARKANSAS POWER & LIGHT CO. NUCLEAR ONE-UNIT 1	This drawing is the property of CAPSULE SYSTEMS Commission Engineering, Inc. and is not to be reproduced or used for training and information for making of drawings or other items without written approval for the agreement with said company.	DRAWN BY [Signature] CHECKED BY [Signature] APPROVED BY [Signature]
					DIMENSIONS UNDER 6 6 18 OVER 18 DECIMAL ± .005 ± .005 ± .010 FRACTION ± 1/64 ± 1/32 ± 1/16	BREAK CORNERS 1/64 APPROX. R OR CHAM - FILLETS 1/64 TO 1/32 R FINISH (2) AA125 MICRO IN.	NEXT ASSY SUPERSEDES SCALE			

REVISIONS

REVISION NO.	DESCRIPTION	DATE	APPROVAL



NOTES:

- TOL FOR:
 FRACTIONS = ± 1/32
 .XX = .01
 .XXX = .010

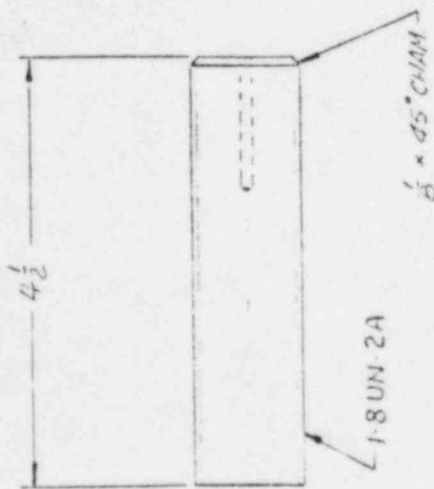
INFORMATION REQUIRED:

- SIZE: 1 DIA X 5 LG
- MATERIAL: CARBON STEEL SA320L43
- CONTRACT: 599-0341-10-02
- CUSTOMER: ARKANSAS POWER AND LIGHT
- DATA BASE NO. 40867

JEFF WOOD/ DWS BY CHKD BY DESIGNED BY APP'D BY STD. SCL. DATE	ARKANSAS POWER & LIGHT, SECONDARY HANDHOLE STUD #40867	THIS SPECIAL IS THE PROPERTY OF THE BARCOCK & WILCOX CO. POWER GENERATION GROUP ANY OR PARTIAL REUSE WITHOUT THE WRITTEN PERMISSION OF THE GROUP IS PROHIBITED. THE GROUP IS NOT RESPONSIBLE FOR THE LOSS OF THIS SPECIAL IF THE GROUP IS NOT IN THE POSSESSION OF THE GROUP AT THE TIME OF THE LOSS. THIS SPECIAL IS NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF THE GROUP.
DO NOT SCALE - SEE DIMENSIONS ONLY	SCALE FULL	DWG NO 1122980 C 0

BILL OF MATERIALS
QUANTITIES ARE FOR

GROUP NO.	QUANTITY	ITEM NO.	NAME	PIECE NO.	MATERIAL	REMARKS
6	5	1	CALIBRATION STD 40868	C-6370-501-127	SA193 B16	



① CALIBRATION STD 40868

1 - UNLESS OTHERWISE SPECIFIED ALL DIMS ARE IN INCHES

C-6370-501-127
01

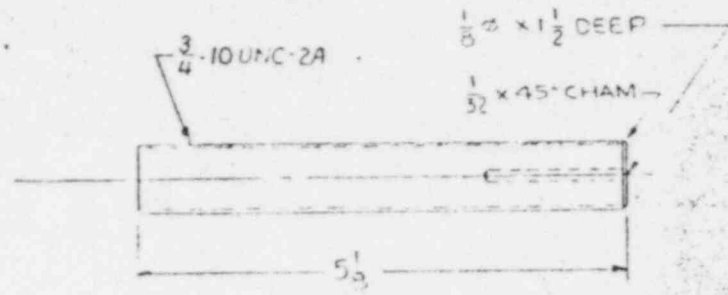
**CERTIFIED FOR
CONSTRUCTION**

GROUP NO.	QUANTITY	ITEM NO.	NAME	PIECE NO.	MATERIAL	REMARKS
6	5	1	CALIBRATION STD 40868	C-6370-501-127	SA193 B16	

UNLESS OTHERWISE SPECIFIED DIMENSIONING & TOLERANCING PER ANSI Y14.5 1972 DIMENSIONS UNDER 8" OVER 14" DECIMAL ± .005 FRACTION ± 1/32 BREAK CORNERS 1/64 APPROX. R OR CHAM - PER Y14.5 1972 TO 1/32 R FINISH (1) AA125 MICRO IN	POWER SYSTEMS NUCLEAR POWER SYSTEMS ARKANSAS POWER & LIGHT CO. NUCLEAR ONE-UNIT	DRAWN BY: [Signature] CHECKER: [Signature] APPROVAL: [Signature]
TITLE CALIBRATION STD 40868	SCALE 40868	DATE NO. C-6370-501-127 01

BILL OF MATERIALS
QUANTITIES ARE FOR

GROUP NO. & QUANTITY	ITEM NO.	NAME	PIECE NO.	MATERIAL	REMARKS
6 5 4 3 2 1	1	CALIBRATION STD 40869	C-6370-501-128-1	SA 540 B23	



UNLESS OTHERWISE SPECIFIED ALL DIMS ARE IN INCHES

① CALIBRATION STD 40869

STAMP
"40869" WITH
1/8" HIGH NUMBERS

C-6370-501-128
01

CERTIFIED FOR
CONSTRUCTION

REV.	DESCRIPTION	BY	DATE	CHK. BY	DATE	ENG. APPROV.	DATE
1	CERTIFIED FOR CONSTRUCTION PER REV REQ 4078-290						

UNLESS OTHERWISE SPECIFIED		<p>POWER SYSTEMS CONSTRUCTION SYSTEMS, INC. COLUMBIA, MISSOURI 65201</p>	<p>This drawing is the property of POWER SYSTEMS, INC. Construction Engineering, Inc. Window, Connecticut 06897 and is not to be reproduced or used to fabricate any drawings or parts without the written consent of the drawing office, drawings or parts fabrication shall be void without the agreement with said company.</p>	<p>DRAWN BY: <i>W. J. [unclear]</i> 10-12-92</p> <p>CHECKER: <i>[unclear]</i> 10-12-92</p> <p>APPROVALS: <i>[unclear]</i> 10-12-92</p> <p><i>[unclear]</i> 10-12-92</p>											
<p>DIMENSIONING & TOLERANCING PER ANSI Y14.5 1973</p> <p>DIMENSIONS APPLY AT 68°F (20°C)</p> <p>DO NOT SCALE DRAWING</p> <table border="1"> <tr> <td>DIMENSIONS</td> <td>UNDER 6</td> <td>6 - 18</td> <td>OVER 18</td> </tr> <tr> <td>DECIMAL</td> <td>± 0.015</td> <td>± 0.005</td> <td>± 0.010</td> </tr> <tr> <td>FRACTION</td> <td>± 1/64</td> <td>± 1/32</td> <td>± 1/16</td> </tr> </table> <p>BREAK CORNERS 1/64 APPROX. R OR CHAM - FILLETS 1/64 TO 1/32 R</p> <p>FINISH (1) AA125 MICRO IN.</p>				DIMENSIONS	UNDER 6	6 - 18	OVER 18	DECIMAL	± 0.015	± 0.005	± 0.010	FRACTION	± 1/64	± 1/32	± 1/16
DIMENSIONS	UNDER 6	6 - 18	OVER 18												
DECIMAL	± 0.015	± 0.005	± 0.010												
FRACTION	± 1/64	± 1/32	± 1/16												
<p>BREAK CORNERS 1/64 APPROX. R OR CHAM - FILLETS 1/64 TO 1/32 R</p> <p>FINISH (1) AA125 MICRO IN.</p>		<p>NEXT ASSY</p>	<p>SUPERSEDES</p>	<p>ENG. NO. C-6370-501-128 01</p>											
<p>FIG. NO. 037</p>		<p>COMPONENT OFFICE</p>	<p>SCALE 1/1</p>	<p>REV.</p>											

BILL OF MATERIALS
QUANTITIES ARE FOR

REMARKS

MATERIAL

PIECE NO.

NAME

CALIBRATION STD 40870

K-6370-SM-129/1

304 SST

GROUP NO. & QUANTITY

5	3	2	1
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ITEM NO

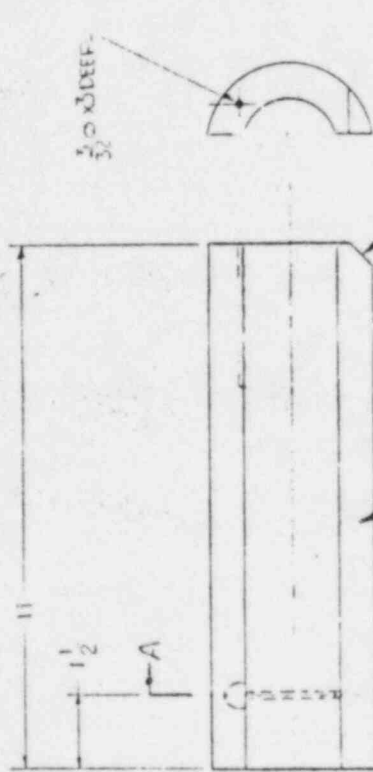
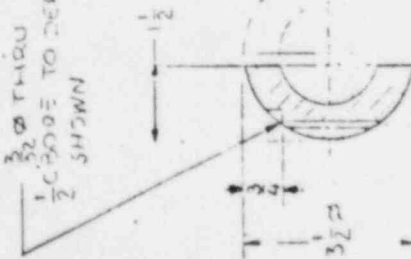
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CALIBRATION STD 40870

K-6370-SM-129/1

304 SST

$\frac{3}{32}$ DIA TO DEPTH
 $\frac{1}{2}$ CHAMFER TO DEPTH
AS SHOWN



1- UNLESS OTHERWISE SPECIFIED ALL DIMS ARE
IN INCHES.

$\frac{3}{32}$ x 45° CHAM.

STAMP
40870 WITH
 $\frac{1}{4}$ HIGH NUMBERS

① CALIBRATION STD 40870

C-6370-501-129

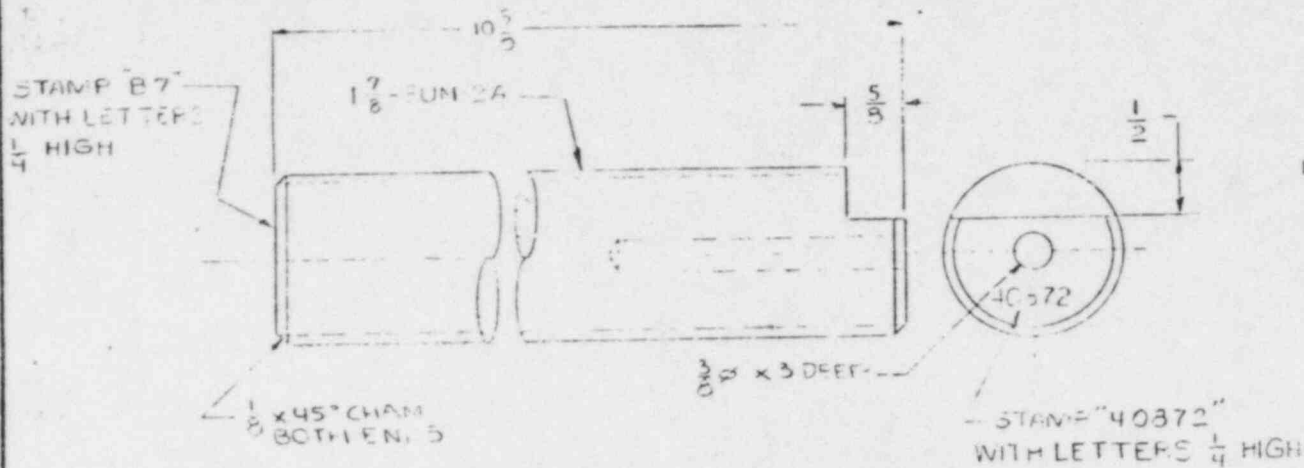
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**CERTIFIED FOR
CONSTRUCTION**

DRAWN BY: [REDACTED] CHECKED BY: [REDACTED] APPROVALS: [REDACTED]		TITLE CALIBRATION STD 40870	
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POWER SYSTEMS NUCLEAR POWER SYSTEMS		SUPERSEDES C-6370-501-129 01	
UNLESS OTHERWISE SPECIFIED DIMENSIONING & TOLERANCING PER ANSI Y14.5 1973		SCALE	
DIMENSIONS UNDER 8" - 18" OVER 18" DECIMAL ± .005 ± .005 ± .010 FRACTION ± 1/64 ± 1/32 ± 1/16		FINISH (1) AA125 MICRO. IN.	
DO NOT SCALE DRAWING		BREAK CORNERS 1/64 APPROX. R OR CHAM - FILLETS 1/64 TO 1/32 R	

BILL OF MATERIALS
QUANTITIES ARE FOR

GROUP NO & QUANTITY	ITEM NO	NAME	PIECE NO	MATERIAL	REMARKS
6 3 4 1 2 1	1	CALIBRATION STD #40872	6370-501-130-1	3A193GR87	



UNLESS OTHERWISE SPECIFIED ALL
DIMENSIONS ARE IN INCHES

C-6370-501-130
01

① CALIBRATION STANDARD #40872

CERTIFIED FOR
CONSTRUCTION

REV	DESCRIPTION	DATE	BY	CHKD	APPD
1	CERTIFIED FOR CONSTRUCTION PER REV REQ 4673-293				

UNLESS OTHERWISE SPECIFIED			
DIMENSIONING & TOLERANCING PER ANSI Y14.5 1973			
DIMENSIONS APPLY AT 68°F (20°C)			
DO NOT SCALE DRAWING			
DIMENSIONS	UNDER 8	8 - 18	OVER 18
DECIMAL	+ .005	+ .001	+ .010
FRACTION	+ 1/64	+ 1/32	+ 1/16
BREAK CORNERS 1/64 APPROX. R			
OR CHAM - FILETS 1/64 TO 1/32 R			

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		<p>APPROVALS: <i>[Signature]</i> 11-13-50</p>
<p>NUCLEAR POWER SYSTEMS</p>	<p>CUSTOMER: ARKANSAS POWER & LIGHT CO. NUCLEAR ONE-UNIT I</p>	<p>TITLE: CALIBRATION STANDARD #40872</p>
<p>NO. OF AIDS</p>	<p>SUPERSEDES</p>	<p>DWG NO. C-6370-501-130-1</p>

<p>DWG NO. C-6370-501-130-1</p>	<p>01</p>
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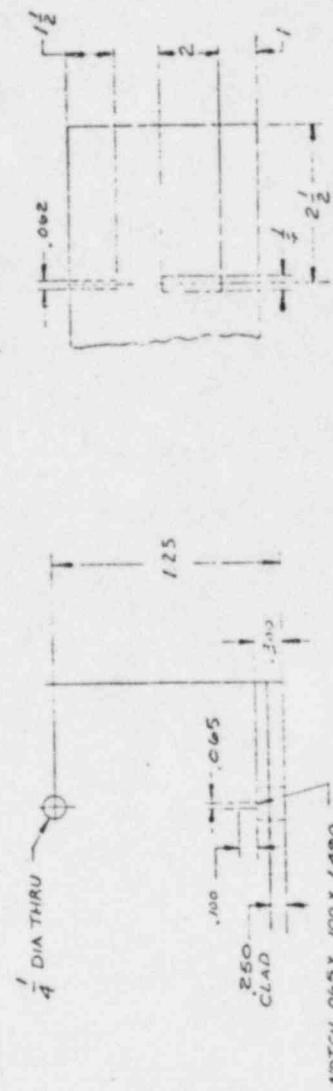
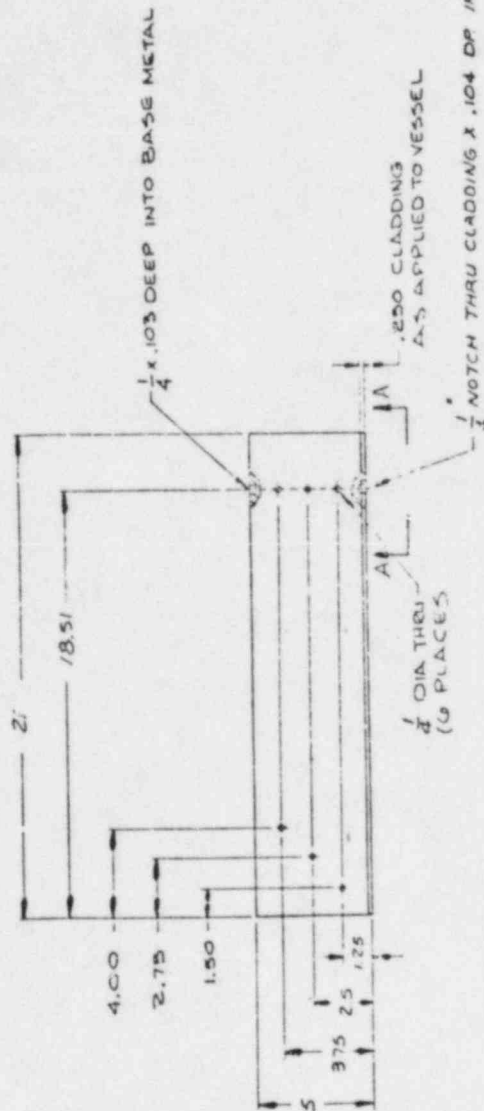
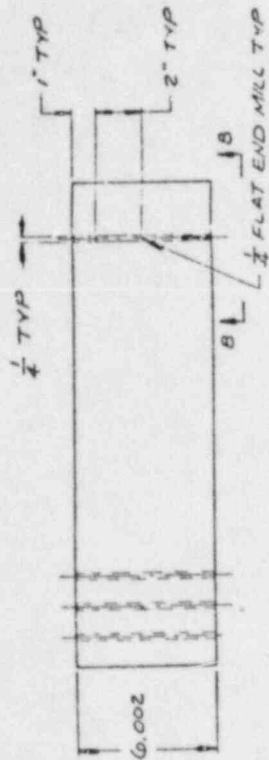
NO. 1	DESCRIPTION	DATE	APPROVAL
1	AS BUILT	11/1/82	R/S

REQUIRED INFORMATION:

1. SIZE - 5 x 21 x 6
2. MATERIAL
BASE - SA-508 CL2
CLADDING - STAINLESS STEEL
3. PLANT LOCATION - AND-1
4. CUSTOMER - ARKANSAS POWER AND LIGHT CO.
5. CONTRACT - 599-0341-10-02
6. DATA BASE # - 40901
7. R. V. LMR. HD TO DUTCHMAN.

NOTES:

1. TOL FRACTION = 1/32
.XX = .030
.XXX = .010
2. ALL HOLES SCRIBED TO DEPTH
3. FOR CRYLING INFO, SEE SHEET 2 OF DRAWING 112000781.
4. HOLES ARE TO BE PLUGGED AND SEAL WELDED AFTER DRILLING AND INSPECTION.

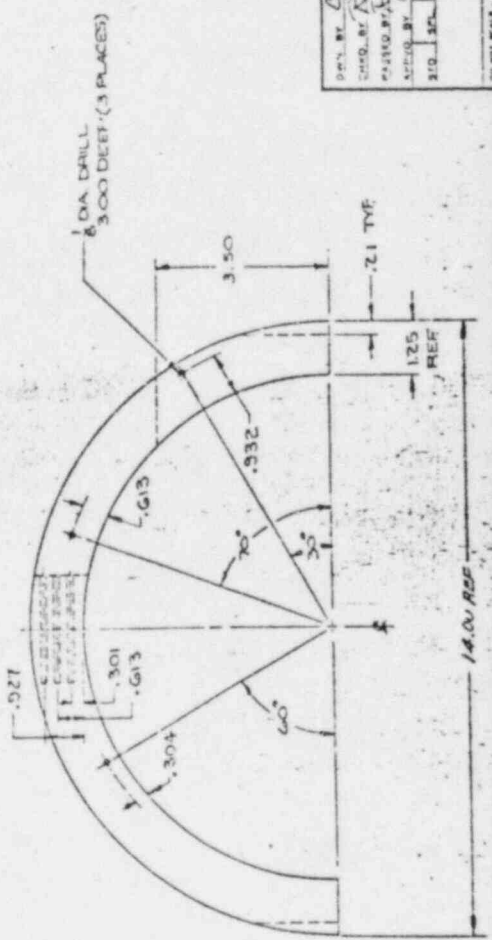
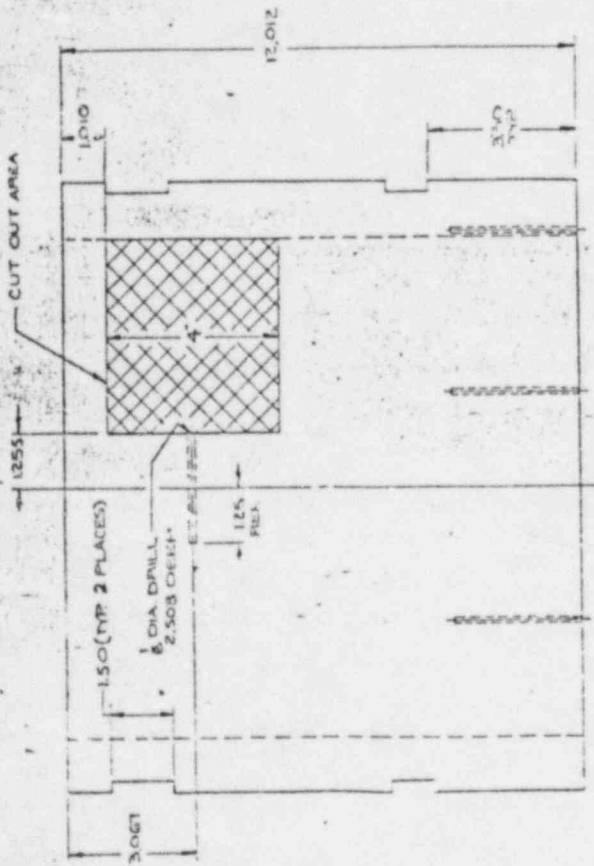


DES. BY: GIES	ARKANSAS POWER
CHKD BY: R/S	1/4 LIGHT ANO-1
DATE: 11/1/82	CALIBRATION
APP'D BY: [Signature]	BLOCK # 40901
NO. 1135871 C	

REVISIONS		DATE	APPROVAL
1	AS-BUILT DIMENSIONS	11-12-82	RPS

- REQUIRED INFORMATION:
1. SIZE 1" SQ 140
 2. MATERIAL SA333B TP319
 3. PLANT LOCATION AND 1
 4. CUSTOMER ARKANSAS POWER AND LIGHT CO.
 5. CONTRACT 593-0141-10-02
 6. DATA BASE P 40314
 7. CEN SHE END

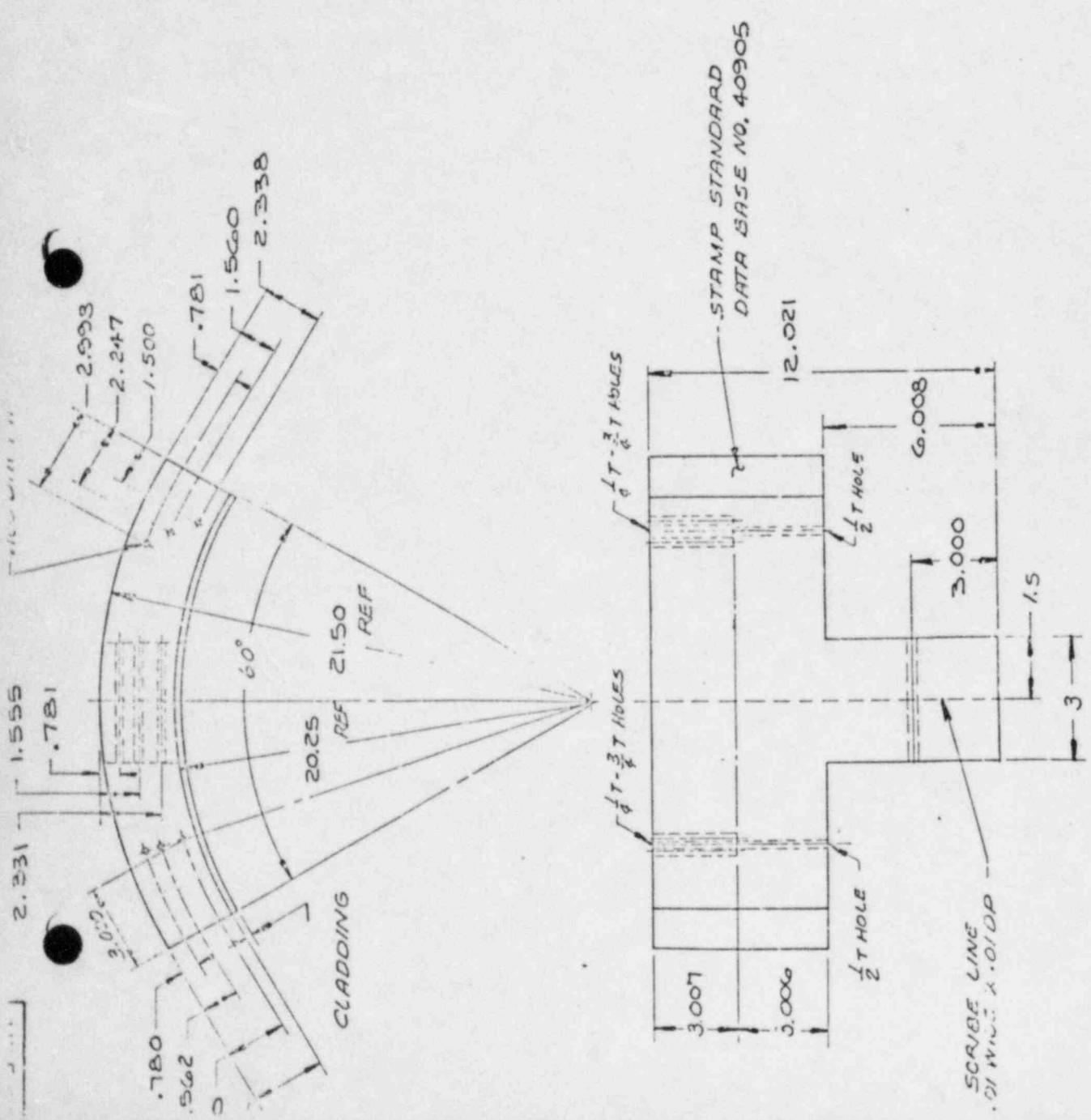
- NOTES:
1. TOLERANCE FOR FRACTION = ± 1/32
.125 = ± .010
.3125 = ± .010
 2. HOLES ARE TO BE PLUGGED AND SEAL WELDED AFT. DRILLING AND INSPECTION
 3. ALL HOLES SCRIBED TO DEPTH



DESIGNED BY: <i>Carles</i> CHECKED BY: <i>RPS</i> DRAWING BY: <i>RPS</i> APPROVED BY: <i>(Signature)</i> DATE: 11-12-82	THE ENGINEER & ARCHITECTS CO. 1135874 C I
---	--

ARKANSAS POWER & LIGHT ANO-1 CALIBRATION BLOCK # 40904

PLANNING		REVISIONS	
NO.	DATE	BY	REASON
1			AS BUILT

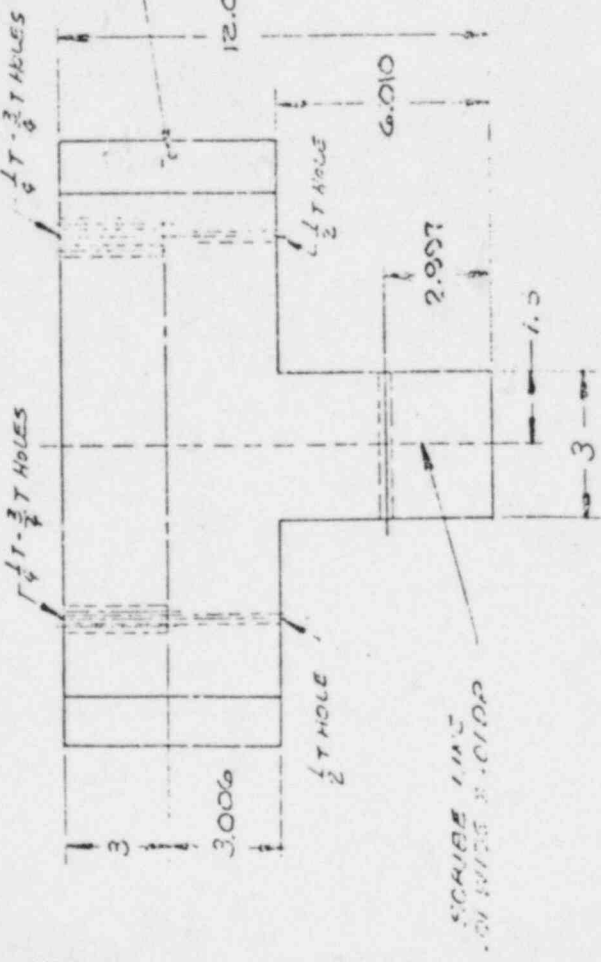
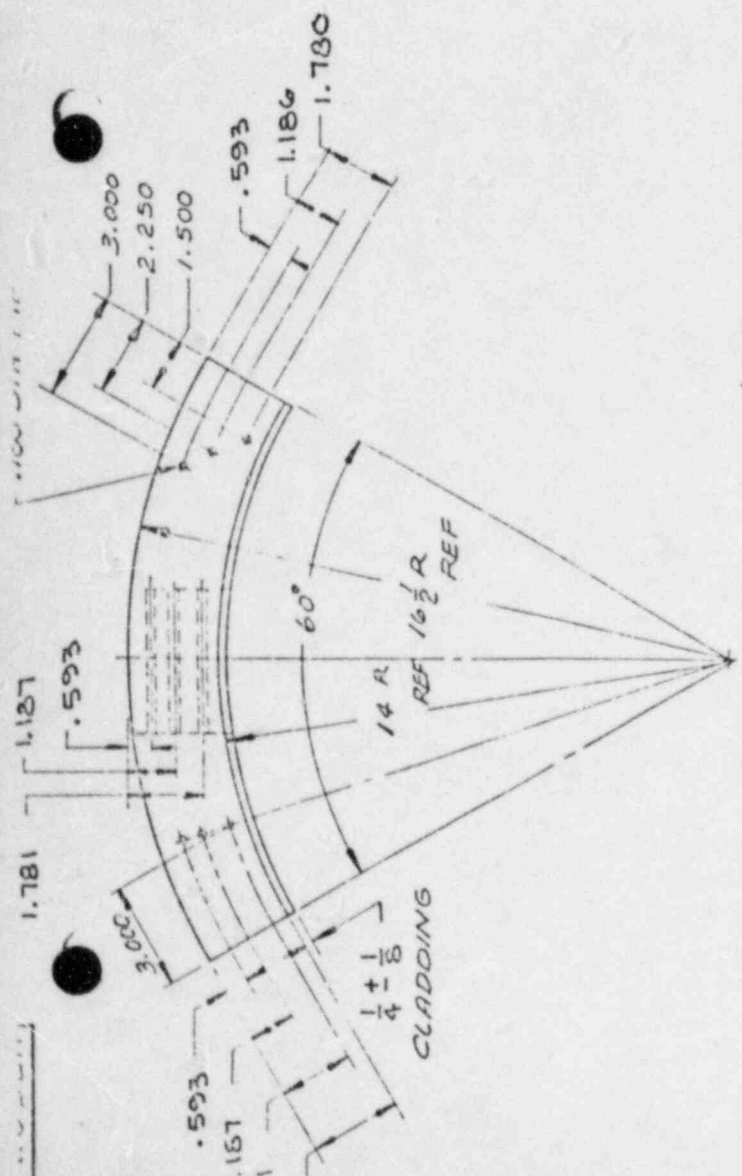


INFORMATION REQUIRED

1. SIZE - 43" O.D x 3 1/2 WALL
2. MATERIAL - A166 GR C
CLADDING - STAINLESS STEEL
3. PLANT LOCATION - AND-1
4. CUSTOMER - ARKANSAS POWER & LIGHT
5. CONTRACT # - 589-0341-10-02
6. DATA BASE # - 40005
7. R.V. NOZ TO PIPE

NOTES:

1. TOLERANCE
FRACTION = ± 1/32
.XX = .030
.XXX ± .010
2. ALL HOLES SCRIBED TO DEPTH
3. FOR CANNING INFO SEE SHEET 2 OF DWG 1120608
4. HOLES ARE TO BE PLUGGED AND SEAL WELDED AFTER DRILLING & INSPECTION



STAMP STANDARD
DATA BASE NO. 40906

NO.	DATE	REVISIONS	BY	CHKD.
1	10-25-52	AS BUILT		

INFORMATION REQUIRED:

1. SIZE - 33" O.D. x 2.50
2. MATERIAL - A-106 GR C
CLADDING - STAINLESS STEEL
3. PLANT LOCATION - AND-1
4. CUSTOMER - ARKANSAS POWER & LIGHT
5. CONTRACT # - 599-0341-10-02
6. DATA BASE # - 40906
7. R.V. NOT TO PIPE

NOTES:

1. TOLERANCE
FRAC¹/₁₆ IN = ± 1/32
.YX = .030
.XXX = .010
2. ALL HOLES SCRIBED TO DEPTH
3. FOR CARRYING INFO SEE SHEET 2 OF DRG 11200601
4. HOLES ARE TO BE PLUGGED AND SEAL GLOED
AFTER DRILLING & INSPECTION

A.P.&L. CURRENT RELIEF REQUESTS

Included in this section are letters directed to the NRC, requesting relief from certain ASME Section XI examination requirements, which for some reason cannot be examined due to structural interference, in-accessable or radiation limitations.

When a request for relief states an alternate NDE method to be used in lieu of the one required by Section XI, this alternate method shall be incorporated into the ISI Program Plan and Schedule.



02850401

ARKANSAS POWER & LIGHT COMPANY
POST OFFICE BOX 551 LITTLE ROCK, ARKANSAS 72203 (501) 371-4000

February 4, 1985

1CAN028501

Director of Nuclear Reactor Regulation
ATTN: Mr. J. F. Stolz, Chief
Operating Reactors Branch #4
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, DC 20555

SUBJECT: Arkansas Nuclear One - Unit 1
Docket No. 50-313
License No. DPR-51
ANO-1 Second 10-Year Inservice
Inspection Program Relief
Request Submittal

RECEIVED
FEB 7 1985

ARKANSAS POWER & LIGHT CO.
Energy Supply - Nuclear Operations

Gentlemen:

Our letter dated January 31, 1985, (1CAN018507) indicated that we would transmit the relief requests for the ANO-1 second 10-year Inservice Inspection Program under separate cover. Our requests for relief are enclosed with this letter.

Very truly yours,

J. Ted Enos
Manager, Licensing

JTE:DET:ds

Attachment

CRITICAL
FILE

PROMPT DISTRIBUTION

- John Griffin (Inspection Reports Only)
- Gene Campbell (Inspection Reports Only)
- M. Pendergrass
- D. Sikes
- Rick Lane
- R. Howerton
- F. Wilson
- J. Levine
- J. Marsh
- ANO-DCC
- D. Rueter
- J. Marshall
- T. Enos (3)
- D. Howard - ANO-1
- D. James - ANO-2
- R. Rothwell
- M. Cawthon
- G. Vissing (NRC)
- Shirley Bell
- Bill Johnson (NRC-ANO)
- Don Horton
- B. Cocanougher
- R. Story
- B. Morehead
- David Hunter/25
- Duke Dow

ATTACHMENT TO ICAN028501

ASME CLASS I COMPONENTS
NDE INSERVICE INSPECTION RELIEF REQUESTS
FOR ANO-1 BASED ON ASME SECTION XI-1980
CODE THROUGH WINTER 1981 ADDENDA

IWB-2500-1 ITEM NO.	EXAMINATION CATEGORY	SYSTEM OR COMPONENT	AREA TO BE EXAMINED	IMPRACTICAL CODE REQUIREMENT	REASON FOR REQUEST	LICENSEE PROPOSED ALTERNATE EXAMINATION
B5.10	B-F	Reactor Vessel	Two Core Flood Safe End Butt Welds; Weld Nos. 01-025 and 01-026.	Surface Examination of Safe End Circumferen- tial Butt Welds.	Access would require removal of the canal seal plate, shielding bricks, shielding supports in the nozzle areas, and insulation removal. This would require approximately 300 manhours of work in a 700-1000 mR/hr area.	None - These welds will be examined 100% from the I.D.
B9.11	B-J	Reactor Vessel	Two Inlet Nozzle to Pipe Circum- ferential Butt Welds; Weld Nos. 01-019 and 01-022.	Surface Examination of Inlet Nozzle to Pipe Circum- ferential Butt Welds.	Access would require removal of the canal seal plate, shielding bricks, shielding supports in the nozzle areas, and insulation removal. This would require approximately 300 manhours of work in a 700-1000 mR/hr area.	None - These welds will be examined 100% from the I.D.

ATTACHMENT TO ICAN028501 (Continued)

ASME CLASS I COMPONENTS
NDE INSERVICE INSPECTION RELIEF REQUESTS
FOR ANO-1 BASED ON ASME SECTION XI-1980
CODE THROUGH WINTER 1981 ADDENDA

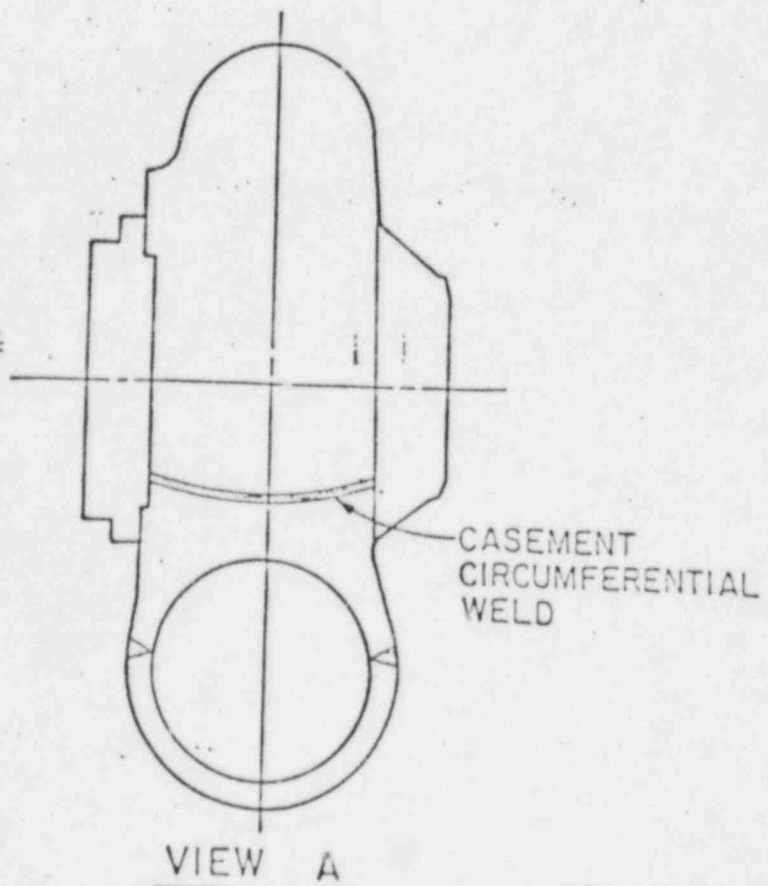
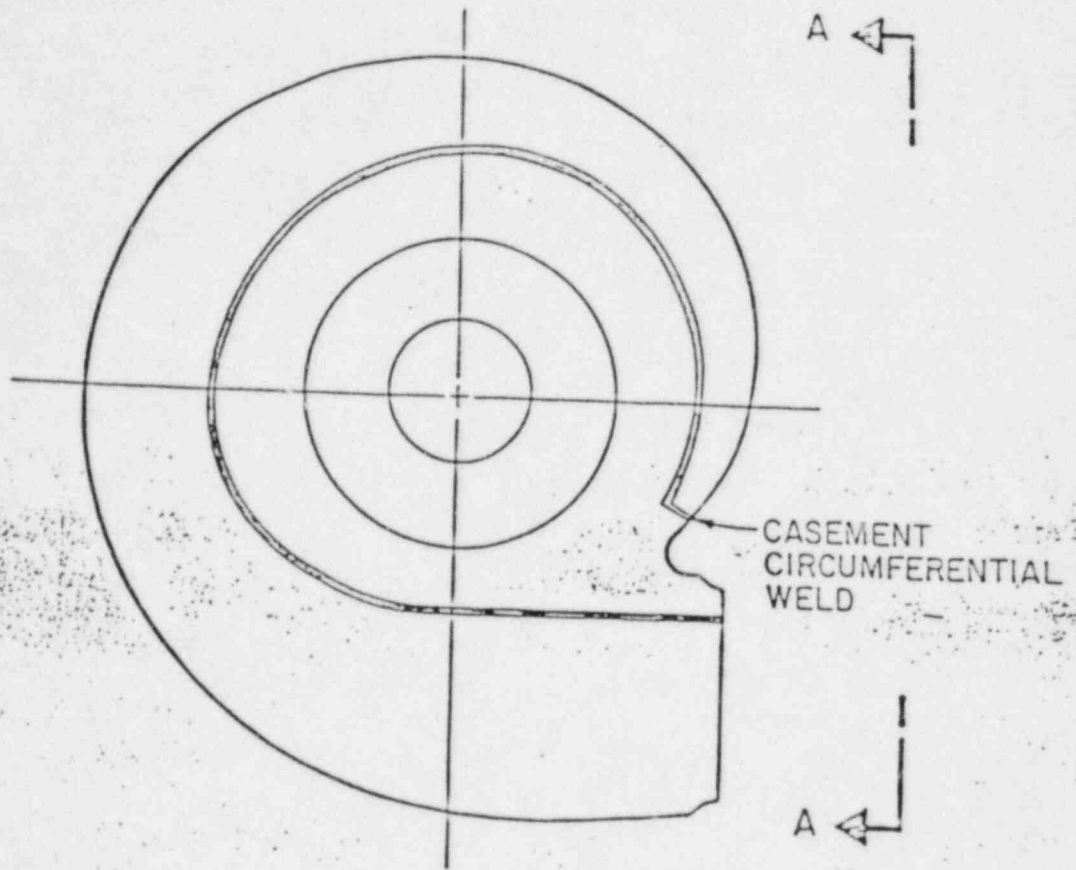
IWB-2500-1 ITEM NO.	EXAMINATION CATEGORY	SYSTEM OR COMPONENT	AREA TO BE EXAMINED	IMPRACTICAL CODE REQUIREMENT	REASON FOR REQUEST	LICENSEE PROPOSED ALTERNATE EXAMINATION
B9.11	B-J	Piping Pressure Boundary	Circumferen- tial Pipe Welds: High Pressure Injection Lines; Weld Nos. 20-008A 21-026, 22-024A and 22-027A. Core flood lines; weld nos. 19-019B and 19-021A.	The area of examination shall in- clude 100% of the weld length.	High pressure injection welds 200-008A, 21-026, 22-024A and 22-027A are inside pene- trations Nos. 13, 34, 8 and 15 respectively in the shield wall and are not accessible for examination. Core flood welds 19-019B and 19-021A are inaccessible for examination due to pipe supports. These welds were not examined during baseline and this face is documented in the preopera- tional inspection report.	None
B12.10	B-L-1	Reactor Coolant Pump Pressure Boundary	Pressure Retaining Welds in Pump Casings	Volumetric: 100% of the pressure retaining weld in at least one pump in the 120 month in- spection interval.	Pump Casing internal surfaces are inaccessible without dismantling the pump.	Volumetric: Approxi- mately 95% of the pressure retaining weld in at least one pump in the 120 month inspeciton interval.

ATTACHMENT TO ICAN028501 (Continued)

ASME CLASS I COMPONENTS
NDE INSERVICE INSPECTION RELIEF REQUESTS
FOR ANO-1 BASED ON ASME SECTION XI-1980
CODE THROUGH WINTER 1981 ADDENDA

IWB-2500-1 ITEM NO.	EXAMINATION CATEGORY	SYSTEM OR COMPONENT	AREA TO BE EXAMINED	IMPRACTICAL CODE REQUIREMENT	REASON FOR REQUEST	LICENSEE PROPOSED ALTERNATE EXAMINATION
B12.20	B-L-2	Reactor Coolant Pump Pressure Boundary	Pump Casing Internal Pressure Boundary Surfaces.	Visual	Pump casing internal surfaces are inaccessible without dismantling the pump.	Partial surface repli- cation obtainable from casing weld volumetric examination.

FIGURE 1



"Guidelines"

The following information, along with the attached sheet (Form ENG-011) is a guide to how Section 2 of the ISI Technical Manual for Arkansas Nuclear One - Unit-1 is set up.

- A - Designates the unit number this program covers.
- B - Designates whether it is a "vessel pressure boundary", or piping pressure boundary".
- C - Designates the zone number the examinations are to be performed in.
- D - Designates the component being examined, such as "Reactor Vessel".
- E - Designates the number of pages, which cover the examinations for the particular zone.
- F - Designates the ASME class to which the examinations are performed to, such as class 1-IWB, class 2-IWC, etc.
- G - Designates the unique number which is assigned to each examination, such as 01-001. This unique number is also shown on the isometric drawings after each zone.
- H - Describes what is to be examined, such as "Shell to Flange" "Circumferential Seam" (or weld).
- I - Designates the item number as specified on table 2500-1 of Section XI of the ASME Code, such as B1.3C.1.
- J - Designates the category of the weld to be examined per table 2500-1 of Section XI of the ASME code, such as BA.
- K - Designates a one year interval, of which there are ten (10).
- L - Designates a forty (40) month period, of which there are three (3). Each 40 month period covers three (3), one (1) year periods. An "x" placed in line with the exam number, parts examined, etc. and in the first year column designates which refueling outage the examination is to be performed. In this case the examination is to be performed during the 1R7 refueling outage.
- M - Designates any examinations to be performed which for some reason was not done at its regularly scheduled time during the 120 month period.
- N - Designates the percent of the weld to be examined.
- O - Describes the method of NDE to be performed on the weld, such as MT-Magnet Particle, PT-Liquid Penetrant, UT-Ultrasonics, etc.

- P - Designates the serial number of the UT calibration standard, which is to be used to calibrate the UT equipment prior to and after performing the examination.
- Q - Designates, whether scaffolding is required to safely perform the examination.
- R - Designates, whether insulation needs to be removed to allow examination of the weld or part.
- S - Designates, whether weld preparation, such as buffing or grinding is required to perform the examination.
- T - The remarks section is self explanatory and may provide pertinent information.

TEN (10) YEAR INSPECTION PLAN

Included in this section is the complete ten (10) year interval inspection program plan and schedule print-out of the required examinations for Arkansas Nuclear One, Unit One. This ten (10) year inspection plan is divided into five (5) refueling outages, with allowances for a sixth (6) refueling outage if necessary.

The examinations are divided into Class 1 ("B" item numbers with corresponding category numbers), Class 2 ("C" item numbers with corresponding category numbers), Class 3 ("D" item numbers with corresponding category numbers). For IWF Component Supports Class 1 ("B" item numbers with corresponding category numbers, when the support is intergally welded), and ("F" item and category numbers when the support is not intergally welded). Class 2 ("C" item numbers and corresponding category numbers, when the support is intergally welded) and ("F" items and category numbers when the support is not intergally welded). Class 3 ("F" item and category numbers).

Augmented inspections are those inspections which are not ASME Code required, but are being performed to satisfy Regulatory Guides, Technical Specifications, A.P.&L. commitments or for information only. Augmented inspections are designated by (X000000) examination numbers.

UNIT ONEZONE
TABLE OF CONTENTS

ZONE	DESCRIPTION	PIPE DIA.	AVG. WALL THICKNESS	CODE CLASS	ISI DWG. NO.
001	THREADED STUD HOLES IN VESSEL FLANGE	N/A	N/A	1	101 Sht.1
001	REACTOR VESSEL	N/A	5.90-12.00	1	101 Sht.2
001	INSTRUMENTATION NOZZLES	N/A	N/A	1	101 Sht.3
001	CORE SUPPORT ASSEMBLY	N/A	N/A	1	101 Sht.4
001	CORE BARREL ASSEMBLY	N/A	N/A	1	101 Sht.5
001	R.V. STUDS, NUTS & WASHERS	6.50	60.00	1	101 Sht.6
002	CRDM NOZZLES			1	102 Sht.1
002	R.V. CLOSURE HEAD	N/A	N/A	1	102 Sht.2
002	CRDM WELD LOCATIONS	4.20	.40-.60	1	102 Sht.3
003	1A STEAM GENERATOR E24A	N/A	8.50-9.00	1 & 2	103
004	1B STEAM GENERATOR E24B	N/A	8.50-9.00	1 & 2	104
005	PRESSURIZER VESSEL	N/A	3.50-7.00	1	105
006	REACTOR COOLANT - SUCTION	28" ID	2.70"	1	106
007	REACTOR COOLANT - DISCHARGE	28" ID	2.70"	1	107
008	REACTOR COOLANT - SUCTION	28" ID	2.70"	1	108
009	REACTOR COOLANT - DISCHARGE	28" ID	2.70"	1	109
010	REACTOR COOLANT - SUCTION	28" ID	2.70"	1	110
011	REACTOR COOLANT - DISCHARGE	28" ID	2.70"	1	111
012	REACTOR COOLANT - SUCTION	28" ID	2.70"	1	112
013	REACTOR COOLANT - DISCHARGE	28" ID	2.70"	1	113
014	REACTOR COOLANT - HOT LEG	36" ID	3.20"	1	114
015	REACTOR COOLANT - HOT LEG	36" ID	3.20"	1	115
016	PRESSURIZER SURGE	10" ID	1.0"	1	116

UNIT ONEZONE
TABLE OF CONTENTS

ZONE	DESCRIPTION	PIPE DIA.	AVG. WALL THICKNESS	CODE CLASS	ISI DWG. NO.
017	DECAY HEAT REMOVAL	12" ID	1.125"	1	117
018	PRESSURIZER SPRAY	2.5"	.375"	1	118
019	CORE FLOOD - A & B	14"	1.250"	1	119
020	H.P.I. TO A1 LOOP	2.5"	.375"	1	120
021	H.P.I. TO A2 LOOP	2.5" 3.0"	.375" .438"	1	121
022	H.P.I. TO B1 LOOP	2.0" 2.5" 3.0" 4.0"	.344" .375" .438" .438"	1	122
023	H.P.I. TO B2 LOOP	2.0" 2.5" 3.0" 4.0	.344" .375" .438" .438"	1	123
024	LETDOWN COOLER & DRAIN	2.5"	.375"	1	124
025	REACTOR COOLANT DRAINS	1.5"	ALL SOCKET WELD	1	125
026	FEEDWATER "A" LOOP	18" 14"	.938" .750	2	126
027	FEEDWATER "B" LOOP	18" 14"	.938" .750"	2	127
028	MAIN STEAM - "A" INSIDE CONTAINMENT	36" 26" 24"	1.055" .762" .969"	2	128
029	MAIN STEAM - "A" OUTSIDE CONTAINMENT	36" 8"	1.175" .406"	2	129
030	MAIN STEAM - "B" INSIDE CONTAINMENT	36" 26" 24"	1.055" .762" .969	2	130
031	MAIN STEAM - "B" OUTSIDE CONTAINMENT	36" 36" 8"	1.750" 1.055" .406"	2	131

UNIT ONEZONE
TABLE OF CONTENTS

ZONE	DESCRIPTION	PIPE DIA.	AVG. WALL THICKNESS	CODE CLASS	ISI DWG. NO.
032	MAKE UP PUMP SUCTION	6"	.134"	2	132
033	D.H. REMOVAL TO PUMPS	12"	.250"	2	133
034	L.P.I. PUMP "A" TO PENETRATION	10" 8" 6"	.165" .148" .134"	2	134
035	L.P.I. PUMP "B" TO PENETRATION	10" 8" 6"	.165" .148" .134"		135
036	L.P.I. PENETRATIONS TO CORE FLOOD	8" 12"	.812" 1.125"	2	136
037	LETDOWN COOLING HEAT EXCHANGER E29A	N/A	N/A	1	137
038	LETDOWN COOLING HEAT EXCHANGER E29B	N/A	N/A	1	138
039	EMERGENCY FEEDWATER (EFIC) DBD-1	6"	.432	3	139
040	EMERGENCY FEEDWATER (EFIC) DBD-2	6"	.432	3	140
041	DECAY HEAT REMOVAL COOLER E35A	53"	.5625"	2	141
042	DECAY HEAT REMOVAL COOLER E35B	53"	.5625"	2	142
043	1A-RCP & MOTOR FLYWHEEL	N/A	N/A	1	143
044	1B-RCP & MOTOR FLYWHEEL	N/A	N/A	1	144
045	1C-RCP & MOTOR FLYWHEEL	N/A	N/A	1	145
046	1D-RCP & MOTOR FLYWHEEL	N/A	N/A	1	146
047	PRESSURIZER SAFETY VALVE DISCHARGE	6"	.375"	2	147
048	PRESSURIZER SAFETY VALVE DISCHARGE	6"	.375"	2	148
049	SERVICE WATER LOOP 1A OUTSIDE CONTAINMENT	18" 10" 8"	.375" .365 .322	3	149

UNIT ONEZONE
TABLE OF CONTENTS

ZONE	DESCRIPTION	PIPE DIA.	AVG. WALL THICKNESS	CODE CLASS	ISI DWG. NO.
050	SERVICE WATER LOOP 1A INSIDE CONTAINMENT	18" 10" 8"	.375" .365" .322"	3	150
051	SERVICE WATER LOOP 2A OUTSIDE CONTAINMENT	18" 10" 8"	.375" .365" .322"	3	151
052	SERVICE WATER LOOP 2A INSIDE CONTAINMENT	18" 10" 8"	.375" .365" .322"	3	152
053	SERVICE WATER LOOPS 1A & 2A COMMON RETURN IN CONTAINMENT	18" 10" 8"	.375" .365" .322"	3	153
054	SERVICE WATER LOOPS 1A & 2A COMMON RETURN OUTSIDE CONTAINMENT	18" 10" 8"	.375" .365" .322"	3	154
055	BUILDING SPRAY LOOP 1A INSIDE CONTAINMENT	10" 8" 5"	.250" .250" .250"	2	155
056	BUILDING SPRAY LOOP 1B INSIDE CONTAINMENT	10" 8" 5"	.250" .250" .250"	2	156
057	REACTOR BLDG. LINER PLATE 0° TO 180° AREA	N/A	N/A	MC	157
058	REACTOR BLDG. LINER PLATE 180° TO 360° AREA	N/A	N/A	MC	158
059	REACTOR BLDG. DOME AREA	N/A	N/A	MC	159
060	EQUIPMENT HATCH	N/A	N/A	MC	160
061	PERSONNEL AIRLOCK	N/A	N/A	MC	161
062	EMERGENCY AIRLOCK	N/A	N/A	MC	162
100	AUGMENTED INSPECTION	N/A	N/A	N/A	N/A

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLGCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
01-001	Shell-To-Flange Circ. Seam	B1.30.1 BA	8		11		50	UT	40902	NA	NA	NA	Was WR-18-Remote Exam-From-I.D.
01-002	Shell-To-Shell-Circ. Seam	B1.11.1 BA			11		100	UT	40900	NA	NA	NA	Was WR-18-Remote Exam-From-I.D.
01-003	Shell-To-Shell-Belt-Region	B1.11.2 BA			11		100	UT	40900	NA	NA	NA	Was WR-1 Upper-Remote-Exam-From-I.D.
01-004	Shell-To-Shell-Belt-Region	B1.11.3 BA			11		100	UT	40900	NA	NA	NA	Was WR-1 Lower-Remote-Exam-From-I.D.
01-005	Shell-To-Shell-Belt-Region	B1.11.4 BA			11		100	UT	40900	NA	NA	NA	Was WR-34-Remote-Exam-From-I.D.
01-006	Meridional Head-Weld Bottom	B1.22.1 BA			11		100	UT	40900	NA	NA	NA	Was WR-35-Remote-Exam-From-I.D.
01-007	Longitudinal-Shell-Weld	B1.12.1 BA			11		100	UT	40900	NA	NA	NA	Was WR-2-Upper-Remote-Exam-From-I.D.
01-008	Longitudinal-Shell-Weld	B1.12.2 BA			11		100	UT	40900	NA	NA	NA	Was WR-2-Upper-Remote-Exam-From-I.D.
01-009	Longitudinal-Shell-Weld	B1.12.3 BA			11		100	UT	40900	NA	NA	NA	Was WR-2-Lower-Remote-Exam-From-I.D.
01-010	Longitudinal-Shell-Weld	B1.12.4 BA			11		100	UT	40900	NA	NA	NA	Was WR-2-Lower-Remote-Exam-From-I.D.
01-010A	Repair Welds Beltline Region	B1.50.1 BA			11		100	UT	40900	NA	NA	NA	Plate-Remote-Exam-From-I.D.
01-011	Nozzle-To-Vessel-Weld	B3.90.1 BD	8		11		100	UT	40902	NA	NA	NA	Remote-Exam-From-I.D.
01-011	Nozzle-Inside-Radius-Section	B3.100.1 BD	8		11		100	UT	40902	NA	NA	NA	Remote-Exam-From-I.D.
01-012	Nozzle-To-Vessel-Weld	B3.90.2 BD			11		100	UT	40902	NA	NA	NA	Remote-Exam-From-I.D.
01-012	Nozzle-Inside-Radius-Section	B3.100.2 BD			11		100	UT	40902	NA	NA	NA	Remote-Exam-From-I.D.
01-013	Nozzle-To-Vessel-Weld	B3.90.3 BD			11		100	UT	40902	NA	NA	NA	Remote-Exam-From-I.D.
01-013	Nozzle-Inside-Radius-Section	B3.100.3 BD			11		100	UT	40902	NA	NA	NA	Remote-Exam-From-I.D.
01-014	Nozzle-To-Vessel-Weld	B3.90.4 BD			11		100	UT	40902	NA	NA	NA	Remote-Exam-From-I.D.
01-014	Nozzle-Inside-Radius-Section	B3.100.4 BD			11		100	UT	40902	NA	NA	NA	Remote-Exam-From-I.D.
01-015	Nozzle-To-Vessel-Weld	B3.90.5 BD	8		11		100	UT	40902	NA	NA	NA	Remote-Exam-From-I.D.
01-015	Nozzle-Inside-Radius-Section	B3.100.5 BD	8		11		100	UT	40902	NA	NA	NA	Remote-Exam-From-I.D.
01-016	Nozzle-To-Vessel-Weld	B3.90.6 BD			11		100	UT	40902	NA	NA	NA	Remote-Exam-From-I.D.
01-016	Nozzle-Inside-Radius-Section	B3.100.6 BD			11		100	UT	40902	NA	NA	NA	Remote-Exam-From-I.D.
01-017	Nozzle-To-Vessel-Weld	B3.90.7 BD			11		100	UT	40902	NA	NA	NA	Remote-Exam-From-I.D.
01-017	Nozzle-Inside-Radius-Section	B3.100.7 BD			11		100	UT	40902	NA	NA	NA	Remote-Exam-From-I.D.
01-018	Nozzle-To-Vessel-Weld	B3.90.8 BD			11		100	UT	40902	NA	NA	NA	Remote-Exam-From-I.D.
01-018	Nozzle-Inside-Radius-Section	B3.100.8 BD			11		100	UT	40902	NA	NA	NA	Remote-Exam-From-I.D.
01-019	Nozzle To Pipe SE Circ Seam	B5.10.1 BF	8		11		100	UT	40812	NA	NA	NA	Remote-Exam-From-I.D. Hot Leg Cat. B-F
01-020	Nozzle To Pipe SE Circ Seam	B5.10.2 BF			11		100	UT	40812	NA	NA	NA	Remote-Exam-From-I.D. Cold Leg Cat. B-F
01-021	Nozzle To Pipe SE Circ Seam	B5.10.3 BF			11		100	UT	40812	NA	NA	NA	Remote-Exam-From-I.D. Cold Leg Cat. B-F
01-022	Nozzle To Pipe SE Circ Seam	B5.10.4 BF	8		11		100	UT	40812	NA	NA	NA	Remote-Exam-From-I.D. Hot Leg Cat. B-F
01-023	Nozzle To Pipe SE Circ Seam	B5.10.5 BF			11		100	UT	40812	NA	NA	NA	Remote-Exam-From-I.D. Cold Leg Cat. B-F
01-024	Nozzle To Pipe SE Circ Seam	B5.10.6 BF			11		100	UT	40812	NA	NA	NA	Remote-Exam-From-I.D. Cold Leg Cat. B-F

PROGRAM PLAN AND SCHEDULE
ZONE- 01
COMPONENT DESCRIPTION
REACTOR PRESSURE VESSEL R1

FORM ENG-011
ANO-UNIT-ONE
VESSEL PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS	
			1	2	3	4			S	I	WP		
b1-F-001	Threads In Flange #1	B6.40.1	BG1				100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
b1-F-002	Threads In Flange #2	B6.40.2	BG1				100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
b1-F-003	Threads In Flange #3	B6.40.3	BG1				100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
b1-F-004	Threads In Flange #4	B6.40.4	BG1				100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
b1-F-005	Threads In Flange #5	B6.40.5	BG1				100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
b1-F-006	Threads In Flange #6	B6.40.6	BG1				100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
b1-F-007	Threads In Flange #7	B6.40.7	BG1				100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
b1-F-008	Threads In Flange #8	B6.40.8	BG1				100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
b1-F-009	Threads In Flange #9	B6.40.9	BG1				100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
b1-F-010	Threads In Flange #10	B6.40.10	BG1				100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
b1-F-011	Threads In Flange #11	B6.40.11	BG1				100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
b1-F-012	Threads In Flange #12	B6.40.12	BG1				100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
b1-F-013	Threads In Flange #13	B6.40.13	BG1				100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
b1-F-014	Threads In Flange #14	B6.40.14	BG1				100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
b1-F-015	Threads In Flange #15	B6.40.15	BG1				100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
b1-F-016	Threads In Flange #16	B6.40.16	BG1				100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
b1-F-017	Threads In Flange #17	B6.40.17	BG1				100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
b1-F-018	Threads In Flange #18	B6.40.18	BG1				100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
b1-F-019	Threads In Flange #19	B6.40.19	BG1				100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
b1-F-020	Threads In Flange #20	B6.40.20	BG1				100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
b1-F-021	Threads In Flange #21	B6.40.21	BG1				100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
b1-F-022	Threads In Flange #22	B6.40.22	BG1				100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
b1-F-023	Threads In Flange #23	B6.40.23	BG1				100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
b1-F-024	Threads In Flange #24	B6.40.24	BG1				100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
b1-F-025	Threads In Flange #25	B6.40.25	BG1				100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
b1-F-026	Threads In Flange #26	B6.40.26	BG1				100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
b1-F-027	Threads In Flange #27	B6.40.27	BG1				100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
b1-F-028	Threads In Flange #28	B6.40.28	BG1				100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
b1-F-029	Threads In Flange #29	B6.40.29	BG1				100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
b1-F-030	Threads In Flange #30	B6.40.30	BG1				100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
b1-F-031	Threads In Flange #31	B6.40.31	BG1				100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
b1-F-032	Threads In Flange #32	B6.40.32	BG1				100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
b1-F-033	Threads In Flange #33	B6.40.33	BG1				100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	C.A.L. BLOCK	PREP-REQ			REMARKS	
			1	2	3	4				S	I	WP		
D1-F-034	Threads In Flange #34	B6.40.34	BG1		B			100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
D1-F-035	Threads In Flange #35	B6.40.35	BG1		B			100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
D1-F-036	Threads In Flange #36	B6.40.36	BG1		B			100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
D1-F-037	Threads In Flange #37	B6.40.37	BG1		B			100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
D1-F-038	Threads In Flange #38	B6.40.38	BG1		B			100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
D1-F-039	Threads In Flange #39	B6.40.39	BG1		B			100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
D1-F-040	Threads In Flange #40	B6.40.40	BG1		B			100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
D1-F-041	Threads In Flange #41	B6.40.41	BG1			100		100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
D1-F-042	Threads In Flange #42	B6.40.42	BG1			100		100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
D1-F-043	Threads In Flange #43	B6.40.43	BG1			100		100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
D1-F-044	Threads In Flange #44	B6.40.44	BG1			100		100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
D1-F-045	Threads In Flange #45	B6.40.45	BG1			100		100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
D1-F-046	Threads In Flange #46	B6.40.46	BG1			100		100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
D1-F-047	Threads In Flange #47	B6.40.47	BG1			100		100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
D1-F-048	Threads In Flange #48	B6.40.48	BG1			100		100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
D1-F-049	Threads In Flange #49	B6.40.49	BG1			100		100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
D1-F-050	Threads In Flange #50	B6.40.50	BG1			100		100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
D1-F-051	Threads In Flange #51	B6.40.51	BG1			100		100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
D1-F-052	Threads In Flange #52	B6.40.52	BG1			100		100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
D1-F-053	Threads In Flange #53	B6.40.53	BG1			100		100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
D1-F-054	Threads In Flange #54	B6.40.54	BG1			100		100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
D1-F-055	Threads In Flange #55	B6.40.55	BG1			100		100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
D1-F-056	Threads In Flange #56	B6.40.56	BG1			100		100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
D1-F-057	Threads In Flange #57	B6.40.57	BG1			100		100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
D1-F-058	Threads In Flange #58	B6.40.58	BG1			100		100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
D1-F-059	Threads In Flange #59	B6.40.59	BG1			100		100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
D1-F-060	Threads In Flange #60	B6.40.60	BG1			100		100	UT	40902	NA	NA	X	1" Annular Surface Around Stud Hole
D1-I-001	Instrumentation Nozzle #1	B4.13.1	BE					100	VT-2	NA				
D1-I-002	Instrumentation Nozzle #2	B4.13.2	BE					100	VT-2	NA				
D1-I-003	Instrumentation Nozzle #3	B4.13.3	BE					100	VT-2	NA				
D1-I-004	Instrumentation Nozzle #4	B4.13.4	BE					100	VT-2	NA				
D1-I-005	Instrumentation Nozzle #5	B4.13.5	BE					100	VT-2	NA				
D1-I-006	Instrumentation Nozzle #6	B4.13.6	BE					100	VT-2	NA				

PROGRAM PLAN AND SCHEDULE

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COMPONENT DESCRIPTION

REACTOR PRESSURE VESSEL R1

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VESSEL PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS			
			1	2	3	4				S	I		WP		
01-I-007	Instrumentation Nozzle #7	B4.13.7					100	VT-2	NA	NA	NA	NA	NA	NA	
01-I-008	Instrumentation Nozzle #8	B4.13.8	7				100	VT-2	NA	NA	NA	NA	NA	NA	During System Leakage Test Or Hydro
01-I-009	Instrumentation Nozzle #9	B4.13.9					100	VT-2	NA	NA	NA	NA	NA	NA	
01-I-010	Instrumentation Nozzle #10	B4.13.10	7				100	VT-2	NA	NA	NA	NA	NA	NA	During System Leakage Test Or Hydro
01-I-011	Instrumentation Nozzle #11	B4.13.11	7				100	VT-2	NA	NA	NA	NA	NA	NA	During System Leakage Test Or Hydro
01-I-012	Instrumentation Nozzle #12	B4.13.12					100	VT-2	NA	NA	NA	NA	NA	NA	
01-I-013	Instrumentation Nozzle #13	B4.13.13	7				100	VT-2	NA	NA	NA	NA	NA	NA	During System Leakage Test Or Hydro
01-I-014	Instrumentation Nozzle #14	B4.13.14					100	VT-2	NA	NA	NA	NA	NA	NA	
01-I-015	Instrumentation Nozzle #15	B4.13.15					100	VT-2	NA	NA	NA	NA	NA	NA	
01-I-016	Instrumentation Nozzle #16	B4.13.16					100	VT-2	NA	NA	NA	NA	NA	NA	
01-I-017	Instrumentation Nozzle #17	B4.13.17	7				100	VT-2	NA	NA	NA	NA	NA	NA	During System Leakage Test Or Hydro
01-I-018	Instrumentation Nozzle #18	B4.13.18					100	VT-2	NA	NA	NA	NA	NA	NA	
01-I-019	Instrumentation Nozzle #19	B4.13.19					100	VT-2	NA	NA	NA	NA	NA	NA	
01-I-020	Instrumentation Nozzle #20	B4.13.20					100	VT-2	NA	NA	NA	NA	NA	NA	
01-I-021	Instrumentation Nozzle #21	B4.13.21					100	VT-2	NA	NA	NA	NA	NA	NA	
01-I-022	Instrumentation Nozzle #22	B4.13.22					100	VT-2	NA	NA	NA	NA	NA	NA	
01-I-023	Instrumentation Nozzle #23	B4.13.23				9	100	VT-2	NA	NA	NA	NA	NA	NA	During System Leakage Test Or Hydro
01-I-024	Instrumentation Nozzle #24	B4.13.24					100	VT-2	NA	NA	NA	NA	NA	NA	
01-I-025	Instrumentation Nozzle #25	B4.13.25				9	100	VT-2	NA	NA	NA	NA	NA	NA	During System Leakage Test Or Hydro
01-I-026	Instrumentation Nozzle #26	B4.13.26				9	100	VT-2	NA	NA	NA	NA	NA	NA	During System Leakage Test Or Hydro
01-I-027	Instrumentation Nozzle #27	B4.13.27					100	VT-2	NA	NA	NA	NA	NA	NA	
01-I-028	Instrumentation Nozzle #28	B4.13.28					100	VT-2	NA	NA	NA	NA	NA	NA	
01-I-029	Instrumentation Nozzle #29	B4.13.29					100	VT-2	NA	NA	NA	NA	NA	NA	
01-I-030	Instrumentation Nozzle #30	B4.13.30				9	100	VT-2	NA	NA	NA	NA	NA	NA	During System Leakage Test Or Hydro
01-I-031	Instrumentation Nozzle #31	B4.13.31					100	VT-2	NA	NA	NA	NA	NA	NA	
01-I-032	Instrumentation Nozzle #32	B4.13.32					100	VT-2	NA	NA	NA	NA	NA	NA	
01-I-033	Instrumentation Nozzle #33	B4.13.33					100	VT-2	NA	NA	NA	NA	NA	NA	
01-I-034	Instrumentation Nozzle #34	B4.13.34					100	VT-2	NA	NA	NA	NA	NA	NA	
01-I-035	Instrumentation Nozzle #35	B4.13.35					100	VT-2	NA	NA	NA	NA	NA	NA	
01-I-036	Instrumentation Nozzle #36	B4.13.36					100	VT-2	NA	NA	NA	NA	NA	NA	
01-I-037	Instrumentation Nozzle #37	B4.13.37					100	VT-2	NA	NA	NA	NA	NA	NA	
01-I-038	Instrumentation Nozzle #38	B4.13.38					100	VT-2	NA	NA	NA	NA	NA	NA	
01-I-039	Instrumentation Nozzle #39	B4.13.39					100	VT-2	NA	NA	NA	NA	NA	NA	

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 ANO-UNIT-ONE
 VESSEL PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4				S	I	
01-I-040	Instrumentation Nozzle #40	04.13.40	BE				100	VT-2	NA			
01-I-041	Instrumentation Nozzle #41	04.13.41	BE				100	VT-2	NA			
01-I-042	Instrumentation Nozzle #42	04.13.42	BE				100	VT-2	NA			
01-I-043	Instrumentation Nozzle #43	04.13.43	BE				100	VT-2	NA			
01-I-044	Instrumentation Nozzle #44	04.13.44	BE				100	VT-2	NA	NA	NA	During System Leakage Test
01-I-045	Instrumentation Nozzle #45	04.13.45	BE				100	VT-2	NA	NA	NA	During System Leakage Test
01-I-046	Instrumentation Nozzle #46	04.13.46	BE				100	VT-2	NA	NA	NA	During System Leakage Test
01-I-047	Instrumentation Nozzle #47	04.13.47	BE				100	VT-2	NA	NA	NA	During System Leakage Test
01-I-048	Instrumentation Nozzle #48	04.13.48	BE				100	VT-2	NA	NA	NA	During System Leakage Test
01-I-049	Instrumentation Nozzle #49	04.13.49	BE				100	VT-2	NA	NA	NA	During System Leakage Test
01-I-050	Instrumentation Nozzle #50	04.13.50	BE				100	VT-2	NA	NA	NA	During System Leakage Test
01-I-051	Instrumentation Nozzle #51	04.13.51	BE				100	VT-2	NA			
01-I-052	Instrumentation Nozzle #52	04.13.52	BE				100	VT-2	NA			
01-N-001	Closure-Head-Nut #1	06.10.1	BG1				100	MT	NA	NA	X	When Removed-Clean
01-N-002	Closure-Head-Nut #2	06.10.2	BG1				100	MT	NA	NA	X	When Removed-Clean
01-N-003	Closure-Head-Nut #3	06.10.3	BG1				100	MT	NA	NA	X	When Removed-Clean
01-N-004	Closure-Head-Nut #4	06.10.4	BG1				100	MT	NA	NA	X	When Removed-Clean
01-N-005	Closure-Head-Nut #5	06.10.5	BG1				100	MT	NA	NA	X	When Removed-Clean
01-N-006	Closure-Head-Nut #6	06.10.6	BG1				100	MT	NA	NA	X	When Removed-Clean
01-N-007	Closure-Head-Nut #7	06.10.7	BG1				100	MT	NA	NA	X	When Removed-Clean
01-N-008	Closure-Head-Nut #8	06.10.8	BG1				100	MT	NA	NA	X	When Removed-Clean
01-N-009	Closure-Head-Nut #9	06.10.9	BG1				100	MT	NA	NA	X	When Removed-Clean
01-N-010	Closure-Head-Nut #10	06.10.10	BG1				100	MT	NA	NA	X	When Removed-Clean
01-N-011	Closure-Head-Nut #11	06.10.11	BG1				100	MT	NA	NA	X	When Removed-Clean
01-N-012	Closure-Head-Nut #12	06.10.12	BG1				100	MT	NA	NA	X	When Removed-Clean
01-N-013	Closure-Head-Nut #13	06.10.13	BG1				100	MT	NA	NA	X	When Removed-Clean
01-N-014	Closure-Head-Nut #14	06.10.14	BG1				100	MT	NA	NA	X	When Removed-Clean
01-N-015	Closure-Head-Nut #15	06.10.15	BG1				100	MT	NA	NA	X	When Removed-Clean
01-N-016	Closure-Head-Nut #16	06.10.16	BG1				100	MT	NA	NA	X	When Removed-Clean
01-N-017	Closure-Head-Nut #17	06.10.17	BG1				100	MT	NA	NA	X	When Removed-Clean
01-N-018	Closure-Head-Nut #18	06.10.18	BG1				100	MT	NA	NA	X	When Removed-Clean
01-N-019	Closure-Head-Nut #19	06.10.19	BG1				100	MT	NA	NA	X	When Removed-Clean
01-N-020	Closure-Head-Nut #20	06.10.20	BG1				100	MT	NA	NA	X	When Removed-Clean

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
01-N-021	Closure-Head-Nut #21	B6.10.21	BG1				100	MT	NA	NA	X	When Removed-Clean	
01-N-022	Closure-Head-Nut #22	B6.10.22	BG1				100	MT	NA	NA	X	When Removed-Clean	
01-N-023	Closure-Head-Nut #23	B6.10.23	BG1				100	MT	NA	NA	X	When Removed-Clean	
01-N-024	Closure-Head-Nut #24	B6.10.24	BG1				100	MT	NA	NA	X	When Removed-Clean	
01-N-025	Closure-Head-Nut #25	B6.10.25	BG1				100	MT	NA	NA	X	When Removed-Clean	
01-N-026	Closure-Head-Nut #26	B6.10.26	BG1				100	MT	NA	NA	X	When Removed-Clean	
01-N-027	Closure-Head-Nut #27	B6.10.27	BG1				100	MT	NA	NA	X	When Removed-Clean	
01-N-028	Closure-Head-Nut #28	B6.10.28	BG1				100	MT	NA	NA	X	When Removed-Clean	
01-N-029	Closure-Head-Nut #29	B6.10.29	BG1				100	MT	NA	NA	X	When Removed-Clean	
01-N-030	Closure-Head-Nut #30	B6.10.30	BG1				100	MT	NA	NA	X	When Removed-Clean	
01-N-031	Closure-Head-Nut #31	B6.10.31	BG1				100	MT	NA	NA	X	When Removed-Clean	
01-N-032	Closure-Head-Nut #32	B6.10.32	BG1				100	MT	NA	NA	X	When Removed-Clean	
01-N-033	Closure-Head-Nut #33	B6.10.33	BG1				100	MT	NA	NA	X	When Removed-Clean	
01-N-034	Closure-Head-Nut #34	B6.10.34	BG1				100	MT	NA	NA	X	When Removed-Clean	
01-N-035	Closure-Head-Nut #35	B6.10.35	BG1				100	MT	NA	NA	X	When Removed-Clean	
01-N-036	Closure-Head-Nut #36	B6.10.36	BG1				100	MT	NA	NA	X	When Removed-Clean	
01-N-037	Closure-Head-Nut #37	B6.10.37	BG1				100	MT	NA	NA	X	When Removed-Clean	
01-N-038	Closure-Head-Nut #38	B6.10.38	BG1				100	MT	NA	NA	X	When Removed-Clean	
01-N-039	Closure-Head-Nut #39	B6.10.39	BG1				100	MT	NA	NA	X	When Removed-Clean	
01-N-040	Closure-Head-Nut #40	B6.10.40	BG1				100	MT	NA	NA	X	When Removed-Clean	
01-N-041	Closure-Head-Nut #41	B6.10.41	BG1				100	MT	NA	NA	X	When Removed-Clean	
01-N-042	Closure-Head-Nut #42	B6.10.42	BG1				100	MT	NA	NA	X	When Removed-Clean	
01-N-043	Closure-Head-Nut #43	B6.10.43	BG1				100	MT	NA	NA	X	When Removed-Clean	
01-N-044	Closure-Head Nut #44	B6.10.44	BG1				100	MT	NA	NA	X	When Removed-Clean	
01-N-045	Closure-Head Nut #45	B6.10.45	BG1				100	MT	NA	NA	X	When Removed-Clean	
01-N-046	Closure-Head Nut #46	B6.10.46	BG1				100	MT	NA	NA	X	When Removed-Clean	
01-N-047	Closure-Head Nut #47	B6.10.47	BG1				100	MT	NA	NA	X	When Removed-Clean	
01-N-048	Closure-Head Nut #48	B6.10.48	BG1				100	MT	NA	NA	X	When Removed-Clean	
01-N-049	Closure-Head Nut #49	B6.10.49	BG1				100	MT	NA	NA	X	When Removed-Clean	
01-N-050	Closure-Head Nut #50	B6.10.50	BG1				100	MT	NA	NA	X	When Removed-Clean	
01-N-051	Closure-Head Nut #51	B6.10.51	BG1				100	MT	NA	NA	X	When Removed-Clean	
01-N-052	Closure-Head Nut #52	B6.10.52	BG1				100	MT	NA	NA	X	When Removed-Clean	
01-N-053	Closure-Head Nut #53	B6.10.53	BG1				100	MT	NA	NA	X	When Removed-Clean	

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EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4				S	I WP	
01-N-054	Closure-Head Nut #54	B6.10.54	BG1		10		100	MT	NA	NA X	When Removed-Clean	
01-N-055	Closure-Head Nut #55	B6.10.55	BG1		10		100	MT	NA	NA X	When Removed-Clean	
01-N-056	Closure-Head Nut #56	B6.10.56	BG1		10		100	MT	NA	NA X	When Removed-Clean	
01-N-057	Closure-Head Nut #57	B6.10.57	BG1		10		100	MT	NA	NA X	When Removed-Clean	
01-N-058	Closure-Head Nut #58	B6.10.58	BG1		10		100	MT	NA	NA X	When Removed-Clean	
01-N-059	Closure-Head Nut #59	B6.10.59	BG1		10		100	MT	NA	NA X	When Removed-Clean	
01-N-060	Closure-Head Nut #60	B6.10.60	BG1		10		100	MT	NA	NA X	When Removed-Clean	
01-P-053	Pressure Retaining Boundary	B15.10	BP	7	18	9	10	11	NA	NA NA	System Leakage Test	
01-P-054	Pressure Retaining Boundary	B15.11	BP				11		NA	NA NA	System Hydrotest	
01-S-001	Closure Stud #1	B6.20.1	BG1	7					40855	NA NA NA	Inplace	
01-S-002	Closure Stud #2	B6.20.2	BG1	7					40855	NA NA X	When Removed-Clean	
01-S-003	Closure Stud #3	B6.20.3	BG1	7					40855	NA NA NA	Inplace	
01-S-004	Closure Stud #4	B6.20.4	BG1	7					40855	NA NA NA	Inplace	
01-S-005	Closure Stud #5	B6.20.5	BG1	7					40855	NA NA X	When Removed-Clean	
01-S-006	Closure Stud #6	B6.20.6	BG1	7					40855	NA NA X	When Removed-Clean	
01-S-007	Closure Stud #7	B6.20.7	BG1	7					40855	NA NA NA	Inplace	
01-S-008	Closure Stud #8	B6.20.8	BG1	7					40855	NA NA NA	Inplace	
01-S-009	Closure Stud #9	B6.20.9	BG1	7					40855	NA NA X	When Removed-Clean	
01-S-010	Closure Stud #10	B6.20.10	BG1	7					40855	NA NA NA	Inplace	
01-S-011	Closure Stud #11	B6.20.11	BG1	7					40855	NA NA NA	Inplace	
01-S-012	Closure Stud #12	B6.20.12	BG1	7					40855	NA NA X	When Removed-Clean	
01-S-012	Closure Stud #12	B6.20.12	BG1	7					40855	NA NA X	When Removed-Clean	

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				%	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
01-S-013	Closure Stud #13	B6.20.13	BG17				100	UT	40855	NA	NA	NA	Inplace
01-S-013	Closure Stud #13	B6.30.13	BG17				100	UT MT	40855	NA	NA	X	When Removed-Clean
01-S-014	Closure Stud #14	B6.20.14	BG17				100	UT	40855	NA	NA	NA	Inplace
01-S-014	Closure Stud #14	B6.30.14	BG17				100	UT MT	40855	NA	NA	X	When Removed-Clean
01-S-015	Closure Stud #15	B6.20.15	BG17				100	UT	40855	NA	NA	NA	Inplace
01-S-015	Closure Stud #15	B6.30.15	BG17				100	UT MT	40855	NA	NA	X	When Removed-Clean
01-S-016	Closure Stud #16	B6.20.16	BG17				100	UT	40855	NA	NA	NA	Inplace
01-S-016	Closure Stud #16	B6.30.16	BG17				100	UT MT	40855	NA	NA	X	When Removed-Clean
01-S-017	Closure Stud #17	B6.20.17	BG17				100	UT	40855	NA	NA	NA	Inplace
01-S-017	Closure Stud #17	B6.30.17	BG17				100	UT MT	40855	NA	NA	X	When Removed-Clean
01-S-018	Closure Stud #18	B6.20.18	BG17				100	UT	40855	NA	NA	NA	Inplace
01-S-018	Closure Stud #18	B6.30.18	BG17				100	UT MT	40855	NA	NA	X	When Removed-Clean
01-S-019	Closure Stud #19	B6.20.19	BG17				100	UT	40855	NA	NA	NA	Inplace
01-S-019	Closure Stud #19	B6.30.19	BG17				100	UT MT	40855	NA	NA	X	When Removed-Clean
01-S-020	Closure Stud #20	B6.20.20	BG17				100	UT	40855	NA	NA	NA	Inplace
01-S-020	Closure Stud #20	B6.30.20	BG17				100	UT MT	40855	NA	NA	X	When Removed-Clean
01-S-021	Closure Stud #21	B6.20.21	BG17				100	UT	40855	NA	NA	NA	Inplace
01-S-021	Closure Stud #21	B6.30.21	BG17				100	UT MT	40855	NA	NA	X	When Removed-Clean
01-S-022	Closure Stud #22	B6.20.22	BG17				100	UT	40855	NA	NA	NA	Inplace
01-S-022	Closure Stud #22	B6.30.22	BG17				100	UT MT	40855	NA	NA	X	When Removed-Clean
01-S-023	Closure Stud #23	B6.20.23	BG17				100	UT	40855	NA	NA	NA	Inplace
01-S-023	Closure Stud #23	B6.30.23	BG17				100	UT MT	40855	NA	NA	X	When Removed-Clean
01-S-024	Closure Stud #24	B6.20.24	BG17				100	UT	40855	NA	NA	NA	Inplace
01-S-024	Closure Stud #24	B6.30.24	BG17				100	UT MT	40855	NA	NA	X	When Removed-Clean
01-S-025	Closure Stud #25	B6.20.25	BG17				100	UT	40855	NA	NA	NA	Inplace
01-S-025	Closure Stud #25	B6.30.25	BG17				100	UT MT	40855	NA	NA	X	When Removed-Clean
01-S-026	Closure Stud #26	B6.20.26	BG17				100	UT	40855	NA	NA	NA	Inplace
01-S-026	Closure Stud #26	B6.30.26	BG17				100	UT MT	40855	NA	NA	X	When Removed-Clean
01-S-027	Closure Stud #27	B6.20.27	BG17				100	UT	40855	NA	NA	NA	Inplace
01-S-027	Closure Stud #27	B6.30.27	BG17				100	UT MT	40855	NA	NA	X	When Removed-Clean
01-S-028	Closure Stud #28	B6.20.28	BG17				100	UT	40855	NA	NA	NA	Inplace
01-S-028	Closure Stud #28	B6.30.28	BG17				100	UT MT	40855	NA	NA	X	When Removed-Clean
01-S-029	Closure Stud #29	B6.20.29	BG17				100	UT	40855	NA	NA	NA	Inplace

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CLASS 1

REACTOR PRESSURE VESSEL R1

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
Q1-S-029	Closure Stud #29	B6.30.29 BG1		9			100	UT MT	40855	NA	NA	X	When Removed-Clean
Q1-S-030	Closure Stud #30	B6.20.30 BG1		9			100	UT	40855	NA	NA	NA	Inplace
Q1-S-030	Closure Stud #30	B6.30.30 BG1		9			100	UT MT	40855	NA	NA	X	When Removed-Clean
Q1-S-031	Closure Stud #31	B6.20.31 BG1		9			100	UT	40855	NA	NA	NA	Inplace
Q1-S-031	Closure Stud #31	B6.30.31 BG1		9			100	UT MT	40855	NA	NA	X	When Removed-Clean
Q1-S-032	Closure Stud #32	B6.20.32 BG1		9			100	UT	40855	NA	NA	NA	Inplace
Q1-S-032	Closure Stud #32	B6.30.32 BG1		9			100	UT MT	40855	NA	NA	X	When Removed-Clean
Q1-S-033	Closure Stud #33	B6.20.33 BG1		9			100	UT	40855	NA	NA	NA	Inplace
Q1-S-033	Closure Stud #33	B6.30.33 BG1		9			100	UT MT	40855	NA	NA	X	When Removed-Clean
Q1-S-034	Closure Stud #34	B6.20.34 BG1		9			100	UT	40855	NA	NA	NA	Inplace
Q1-S-034	Closure Stud #34	B6.30.34 BG1		9			100	UT MT	40855	NA	NA	X	When Removed-Clean
Q1-S-035	Closure Stud #35	B6.20.35 BG1		9			100	UT	40855	NA	NA	NA	Inplace
Q1-S-035	Closure Stud #35	B6.30.35 BG1		9			100	UT MT	40855	NA	NA	X	When Removed-Clean
Q1-S-036	Closure Stud #36	B6.20.36 BG1		9			100	UT	40855	NA	NA	NA	Inplace
Q1-S-036	Closure Stud #36	B6.30.36 BG1		9			100	UT MT	40855	NA	NA	X	When Removed-Clean
Q1-S-037	Closure Stud #37	B6.20.37 BG1		9			100	UT	40855	NA	NA	NA	Inplace
Q1-S-037	Closure Stud #37	B6.30.37 BG1		9			100	UT MT	40855	NA	NA	X	When Removed-Clean
Q1-S-038	Closure Stud #38	B6.20.38 BG1		9			100	UT	40855	NA	NA	NA	Inplace
Q1-S-038	Closure Stud #38	B6.30.38 BG1		9			100	UT MT	40855	NA	NA	X	When Removed-Clean
Q1-S-039	Closure Stud #39	B6.20.39 BG1		9			100	UT	40855	NA	NA	NA	Inplace
Q1-S-039	Closure Stud #39	B6.30.39 BG1		9			100	UT MT	40855	NA	NA	X	When Removed-Clean
Q1-S-040	Closure Stud #40	B6.20.40 BG1		9			100	UT	40855	NA	NA	NA	Inplace
Q1-S-040	Closure Stud #40	B6.30.40 BG1		9			100	UT MT	40855	NA	NA	X	When Removed-Clean
Q1-S-041	Closure Stud #41	B6.20.41 BG1			10		100	UT	40855	NA	NA	NA	Inplace
Q1-S-041	Closure Stud #41	B6.30.41 BG1			10		100	UT MT	40855	NA	NA	X	When Removed-Clean
Q1-S-042	Closure Stud #42	B6.20.42 BG1			10		100	UT	40855	NA	NA	NA	Inplace
Q1-S-042	Closure Stud #42	B6.30.42 BG1			10		100	UT MT	40855	NA	NA	X	When Removed-Clean
Q1-S-043	Closure Stud #43	B6.20.43 BG1			10		100	UT	40855	NA	NA	NA	Inplace
Q1-S-043	Closure Stud #43	B6.30.43 BG1			10		100	UT MT	40855	NA	NA	X	When Removed-Clean
Q1-S-044	Closure Stud #44	B6.20.44 BG1			10		100	UT	40855	NA	NA	NA	Inplace
Q1-S-044	Closure Stud #44	B6.30.44 BG1			10		100	UT MT	40855	NA	NA	X	When Removed-Clean
Q1-S-045	Closure Stud #45	B6.20.45 BG1			10		100	UT	40855	NA	NA	NA	Inplace
Q1-S-045	Closure Stud #45	B6.30.45 BG1			10		100	UT MT	40855	NA	NA	X	When Removed-Clean

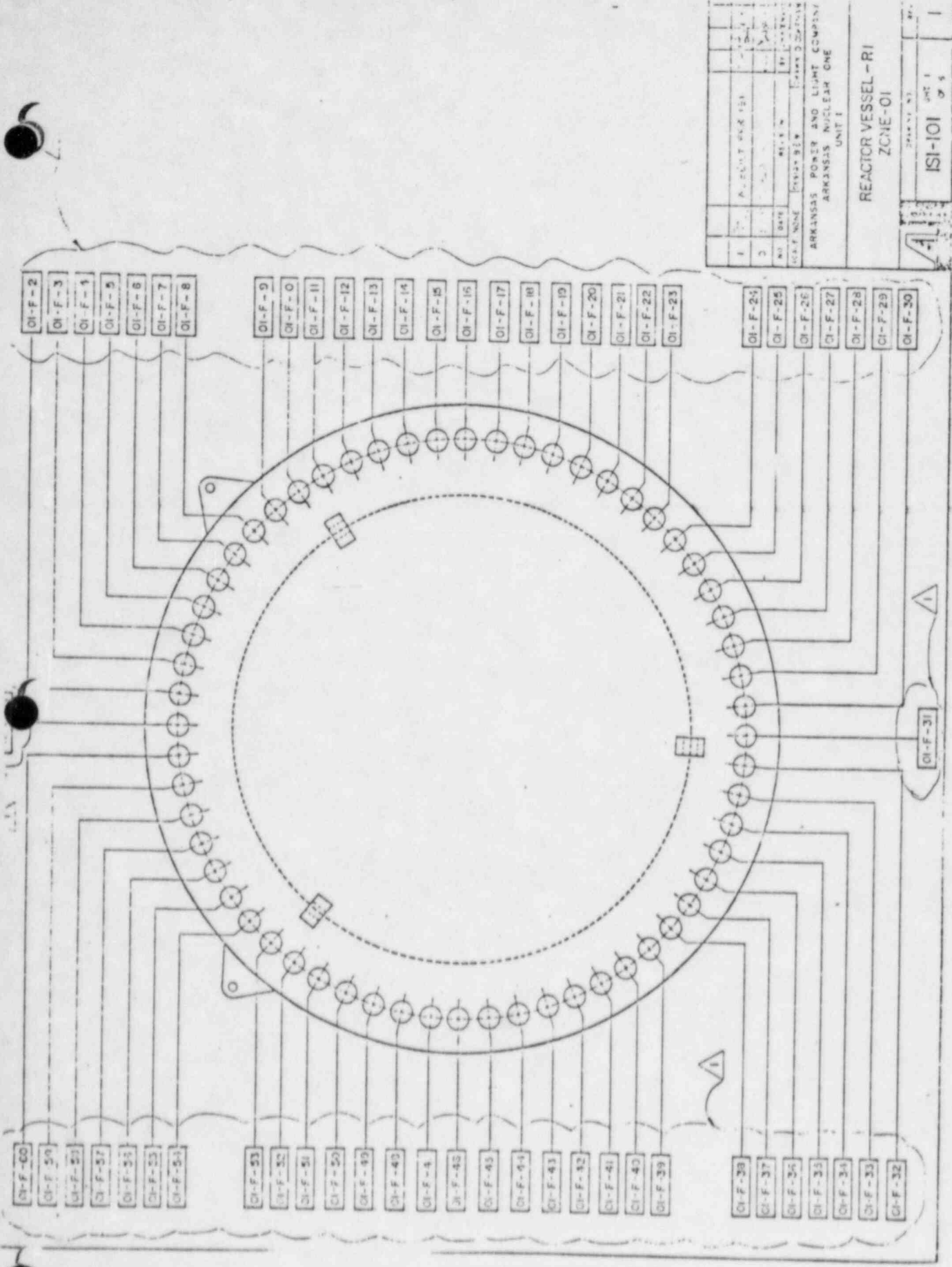
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			1	2	3	4				S	I	WP	
01-S-046	Closure Stud #46	B6.20.46 BG1			10		100	UT	40855	NA	NA	NA	Inplace
01-S-046	Closure Stud #46	B6.30.46 BG1			10		100	UT MT	40855	NA	NA	X	When Removed-Clean
01-S-047	Closure Stud #47	B6.20.47 BG1			10		100	UT	40855	NA	NA	NA	Inplace
01-S-047	Closure Stud #47	B6.30.47 BG1			10		100	UT MT	40855	NA	NA	X	When Removed-Clean
01-S-048	Closure Stud #48	B6.20.48 BG1			10		100	UT	40855	NA	NA	NA	Inplace
01-S-048	Closure Stud #48	B6.30.48 BG1			10		100	UT MT	40855	NA	NA	X	When Removed-Clean
01-S-049	Closure Stud #49	B6.20.49 BG1			10		100	UT	40855	NA	NA	NA	Inplace
01-S-049	Closure Stud #49	B6.30.49 BG1			10		100	UT MT	40855	NA	NA	X	When Removed-Clean
01-S-050	Closure Stud #50	B6.20.50 BG1			10		100	UT	40855	NA	NA	NA	Inplace
01-S-050	Closure Stud #50	B6.30.50 BG1			10		100	UT MT	40855	NA	NA	X	When Removed-Clean
01-S-051	Closure Stud #51	B6.20.51 BG1			10		100	UT	40855	NA	NA	NA	Inplace
01-S-051	Closure Stud #51	B6.30.51 BG1			10		100	UT MT	40855	NA	NA	X	When Removed-Clean
01-S-052	Closure Stud #52	B6.20.52 BG1			10		100	UT	40855	NA	NA	NA	Inplace
01-S-052	Closure Stud #52	B6.30.52 BG1			10		100	UT MT	40855	NA	NA	X	When Removed-Clean
01-S-053	Closure Stud #53	B6.20.53 BG1			10		100	UT	40855	NA	NA	NA	Inplace
01-S-053	Closure Stud #53	B6.30.53 BG1			10		100	UT MT	40855	NA	NA	X	When Removed-Clean
01-S-054	Closure Stud #54	B6.20.54 BG1			10		100	UT	40855	NA	NA	NA	Inplace
01-S-054	Closure Stud #54	B6.30.54 BG1			10		100	UT MT	40855	NA	NA	X	When Removed-Clean
01-S-055	Closure Stud #55	B6.20.55 BG1			10		100	UT	40855	NA	NA	NA	Inplace
01-S-055	Closure Stud #55	B6.30.55 BG1			10		100	UT MT	40855	NA	NA	X	When Removed-Clean
01-S-056	Closure Stud #56	B6.20.56 BG1			10		100	UT	40855	NA	NA	NA	Inplace
01-S-056	Closure Stud #56	B6.30.56 BG1			10		100	UT MT	40855	NA	NA	X	When Removed-Clean
01-S-057	Closure Stud #57	B6.20.57 BG1			10		100	UT	40855	NA	NA	NA	Inplace
01-S-057	Closure Stud #57	B6.30.57 BG1			10		100	UT MT	40855	NA	NA	X	When Removed-Clean
01-S-058	Closure Stud #58	B6.20.58 BG1			10		100	UT	40855	NA	NA	NA	Inplace
01-S-058	Closure Stud #58	B6.30.58 BG1			10		100	UT MT	40855	NA	NA	X	When Removed-Clean
01-S-059	Closure Stud #59	B6.20.59 BG1			10		100	UT	40855	NA	NA	NA	Inplace
01-S-059	Closure Stud #59	B6.30.59 BG1			10		100	UT MT	40855	NA	NA	X	When Removed-Clean
01-S-060	Closure Stud #60	B6.20.60 BG1			10		100	UT	40855	NA	NA	NA	Inplace
01-S-060	Closure Stud #60	B6.30.60 BG1			10		100	UT MT	40855	NA	NA	X	When Removed-Clean
01-W-001	Closure Washer Bushing #1	B6.50.1 BG1	7				100	VT-1	NA	NA	NA	X	Inplace Or Removed
01-W-002	Closure Washer Bushing #2	B6.50.2 BG1	7				100	VT-1	NA	NA	NA	X	Inplace Or Removed
01-W-003	Closure Washer Bushing #3	B6.50.3 BG1	7				100	VT-1	NA	NA	NA	X	Inplace or Removed

FORM ENG-011
 ANO-UNIT-ONE
 VESSEL PRESSURE BOUNDARY
 PROGRAM PLAN AND SCHEDULE
 ZONE- 01
 COMPONENT DESCRIPTION
 REACTOR PRESSURE VESSEL, RI

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
01-W-004	Closure Washer Bushing #4	B6.50.4	BG17				100	VT-1	NA	NA	NA	X	Inplace Or Removed
01-W-005	Closure Washer Bushing #5	B6.50.5	BG17				100	VT-1	NA	NA	NA	X	Inplace Or Removed
01-W-006	Closure Washer Bushing #6	B6.50.6	BG17				100	VT-1	NA	NA	NA	X	Inplace Or Removed
01-W-007	Closure Washer Bushing #7	B6.50.7	BG17				100	VT-1	NA	NA	NA	X	Inplace Or Removed
01-W-008	Closure Washer Bushing #8	B6.50.8	BG17				100	VT-1	NA	NA	NA	X	Inplace Or Removed
01-W-009	Closure Washer Bushing #9	B6.50.9	BG17				100	VT-1	NA	NA	NA	X	Inplace Or Removed
01-W-010	Closure Washer Bushing #10	B6.50.10	BG17				100	VT-1	NA	NA	NA	X	Inplace Or Removed
01-W-011	Closure Washer Bushing #11	B6.50.11	BG17				100	VT-1	NA	NA	NA	X	Inplace Or Removed
01-W-012	Closure Washer Bushing #12	B6.50.12	BG17				100	VT-1	NA	NA	NA	X	Inplace Or Removed
01-W-013	Closure Washer Bushing #13	B6.50.13	BG17				100	VT-1	NA	NA	NA	X	Inplace Or Removed
01-W-014	Closure Washer Bushing #14	B6.50.14	BG17				100	VT-1	NA	NA	NA	X	Inplace Or Removed
01-W-015	Closure Washer Bushing #15	B6.50.15	BG17				100	VT-1	NA	NA	NA	X	Inplace Or Removed
01-W-016	Closure Washer Bushing #16	B6.50.16	BG17				100	VT-1	NA	NA	NA	X	Inplace Or Removed
01-W-017	Closure Washer Bushing #17	B6.50.17	BG17				100	VT-1	NA	NA	NA	X	Inplace Or Removed
01-W-018	Closure Washer Bushing #18	B6.50.18	BG17				100	VT-1	NA	NA	NA	X	Inplace Or Removed
01-W-019	Closure Washer Bushing #19	B6.50.19	BG17				100	VT-1	NA	NA	NA	X	Inplace Or Removed
01-W-020	Closure Washer Bushing #20	B6.50.20	BG17				100	VT-1	NA	NA	NA	X	Inplace Or Removed
01-W-021	Closure Washer Bushing #21	B6.50.21	BG17				100	VT-1	NA	NA	NA	X	Inplace Or Removed
01-W-022	Closure Washer Bushing #22	B6.50.22	BG17				100	VT-1	NA	NA	NA	X	Inplace Or Removed
01-W-023	Closure Washer Bushing #23	B6.50.23	BG17				100	VT-1	NA	NA	NA	X	Inplace Or Removed
01-W-024	Closure Washer Bushing #24	B6.50.24	BG17				100	VT-1	NA	NA	NA	X	Inplace Or Removed
01-W-025	Closure Washer Bushing #25	B6.50.25	BG17				100	VT-1	NA	NA	NA	X	Inplace Or Removed
01-W-026	Closure Washer Bushing #26	B6.50.26	BG17				100	VT-1	NA	NA	NA	X	Inplace Or Removed
01-W-027	Closure Washer Bushing #27	B6.50.27	BG17				100	VT-1	NA	NA	NA	X	Inplace Or Removed
01-W-028	Closure Washer Bushing #28	B6.50.28	BG17				100	VT-1	NA	NA	NA	X	Inplace Or Removed
01-W-029	Closure Washer Bushing #29	B6.50.29	BG17				100	VT-1	NA	NA	NA	X	Inplace Or Removed
01-W-030	Closure Washer Bushing #30	B6.50.30	BG17				100	VT-1	NA	NA	NA	X	Inplace Or Removed
01-W-031	Closure Washer Bushing #31	B6.50.31	BG17				100	VT-1	NA	NA	NA	X	Inplace Or Removed
01-W-032	Closure Washer Bushing #32	B6.50.32	BG17				100	VT-1	NA	NA	NA	X	Inplace Or Removed
01-W-033	Closure Washer Bushing #33	B6.50.33	BG17				100	VT-1	NA	NA	NA	X	Inplace Or Removed
01-W-034	Closure Washer Bushing #34	B6.50.34	BG17				100	VT-1	NA	NA	NA	X	Inplace Or Removed
01-W-035	Closure Washer Bushing #35	B6.50.35	BG17				100	VT-1	NA	NA	NA	X	Inplace Or Removed
01-W-036	Closure Washer Bushing #36	B6.50.36	BG17				100	VT-1	NA	NA	NA	X	Inplace Or Removed

PROGRAM PLAN AND SCHEDULE
 ZONE- 01
 COMPONENT DESCRIPTION
 REACTOR PRESSURE VESSEL_R1

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
61-W-037	Closure Washer Bushing #37	66.50.37	BG1				100	VT-1	NA	NA	NA	NA	Inplace Or Removed
61-W-038	Closure Washer Bushing #38	66.50.38	BG1				100	VT-1	NA	NA	NA	NA	Inplace Or Removed
61-W-039	Closure Washer Bushing #39	66.50.39	BG1				100	VT-1	NA	NA	NA	NA	Inplace Or Removed
61-W-040	Closure Washer Bushing #40	66.50.40	BG1				100	VT-1	NA	NA	NA	NA	Inplace Or Removed
61-W-041	Closure Washer Bushing #41	66.50.41	BG1				100	VT-1	NA	NA	NA	NA	Inplace Or Removed
61-W-042	Closure Washer Bushing #42	66.50.42	BG1				100	VT-1	NA	NA	NA	NA	Inplace Or Removed
61-W-043	Closure Washer Bushing #43	66.50.43	BG1				100	VT-1	NA	NA	NA	NA	Inplace Or Removed
61-W-044	Closure Washer Bushing #44	66.50.44	BG1				100	VT-1	NA	NA	NA	NA	Inplace Or Removed
61-W-045	Closure Washer Bushing #45	66.50.45	BG1				100	VT-1	NA	NA	NA	NA	Inplace Or Removed
61-W-046	Closure Washer Bushing #46	66.50.46	BG1				100	VT-1	NA	NA	NA	NA	Inplace Or Removed
61-W-047	Closure Washer Bushing #47	66.50.47	BG1				100	VT-1	NA	NA	NA	NA	Inplace Or Removed
61-W-048	Closure Washer Bushing #48	66.50.48	BG1				100	VT-1	NA	NA	NA	NA	Inplace Or Removed
61-W-049	Closure Washer Bushing #49	66.50.49	BG1				100	VT-1	NA	NA	NA	NA	Inplace Or Removed
61-W-050	Closure Washer Bushing #50	66.50.50	BG1				100	VT-1	NA	NA	NA	NA	Inplace Or Removed
61-W-051	Closure Washer Bushing #51	66.50.51	BG1				100	VT-1	NA	NA	NA	NA	Inplace Or Removed
61-W-052	Closure Washer Bushing #52	66.50.52	BG1				100	VT-1	NA	NA	NA	NA	Inplace Or Removed
61-W-053	Closure Washer Bushing #53	66.50.53	BG1				100	VT-1	NA	NA	NA	NA	Inplace Or Removed
61-W-054	Closure Washer Bushing #54	66.50.54	BG1				100	VT-1	NA	NA	NA	NA	Inplace Or Removed
61-W-055	Closure Washer Bushing #55	66.50.55	BG1				100	VT-1	NA	NA	NA	NA	Inplace Or Removed
61-W-056	Closure Washer Bushing #56	66.50.56	BG1				100	VT-1	NA	NA	NA	NA	Inplace Or Removed
61-W-057	Closure Washer Bushing #57	66.50.57	BG1				100	VT-1	NA	NA	NA	NA	Inplace Or Removed
61-W-058	Closure Washer Bushing #58	66.50.58	BG1				100	VT-1	NA	NA	NA	NA	Inplace Or Removed
61-W-059	Closure Washer Bushing #59	66.50.59	BG1				100	VT-1	NA	NA	NA	NA	Inplace Or Removed
61-W-060	Closure Washer Bushing #60	66.50.60	BG1				100	VT-1	NA	NA	NA	NA	Inplace Or Removed

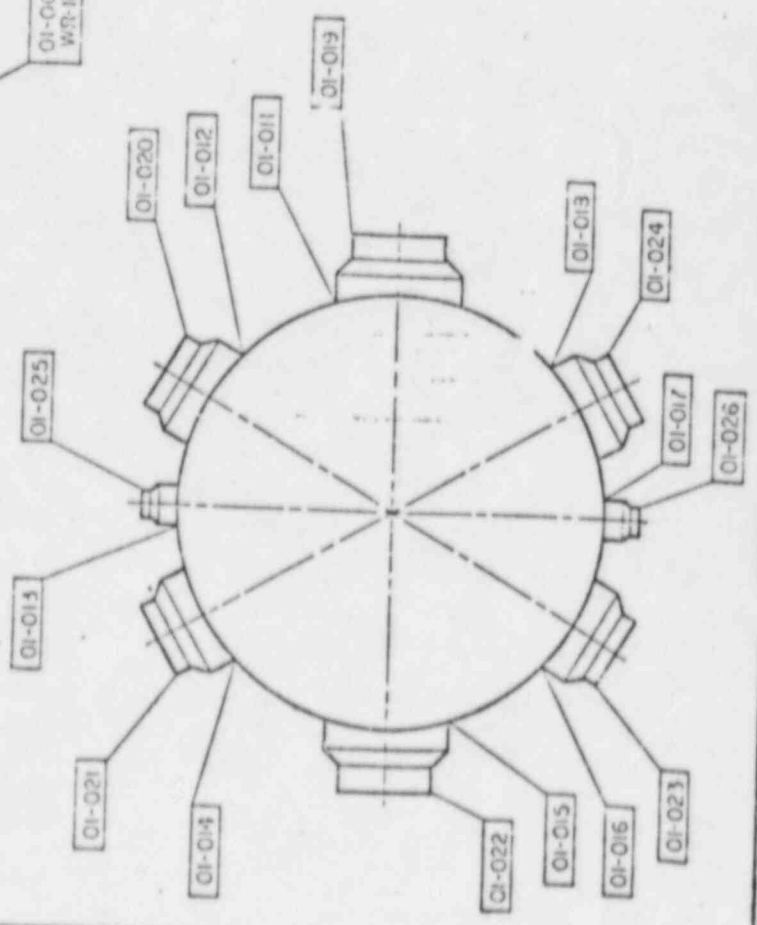
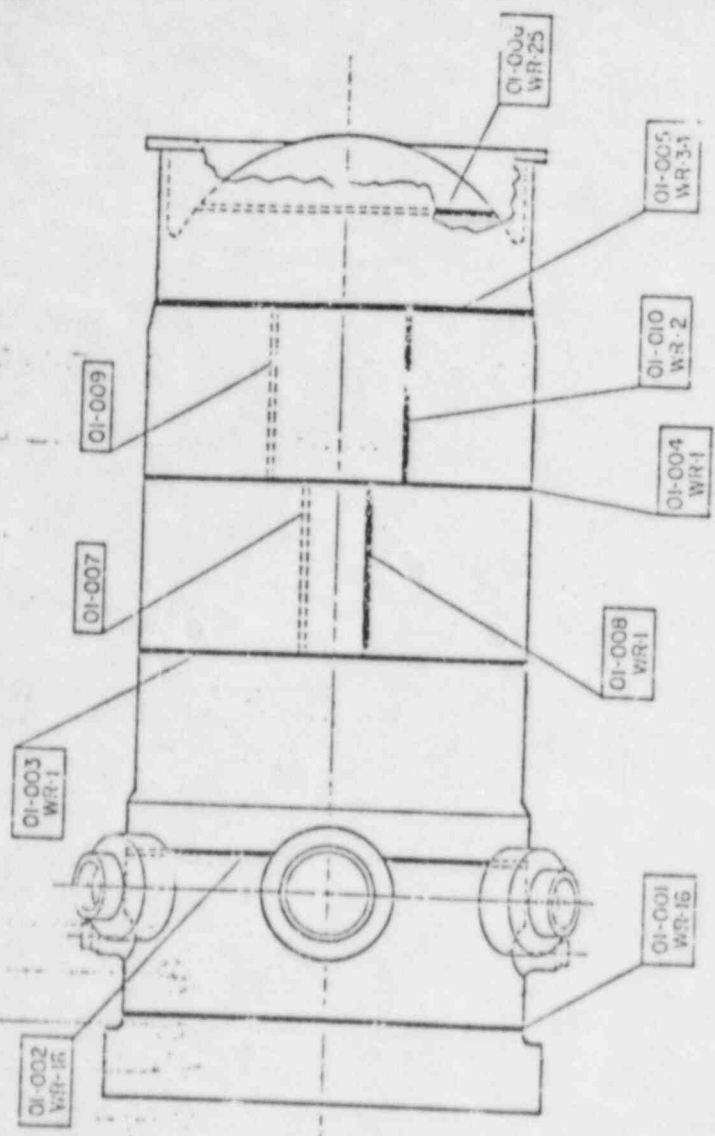


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ARKANSAS POWER AND LIGHT COMPANY
 ARKANSAS NUCLEAR ONE
 UNIT 1

REACTOR VESSEL - RI
 ZCNE-01

ISI-101 UNIT 1



ASME SECTION VIII DIVISION 1

NO.	REV.	DATE	BY	CHKD.	DESCRIPTION
1					
2					
3					

DESIGNED BY: []
 CHECKED BY: []
 DRAWN BY: []
 APPROVED BY: []

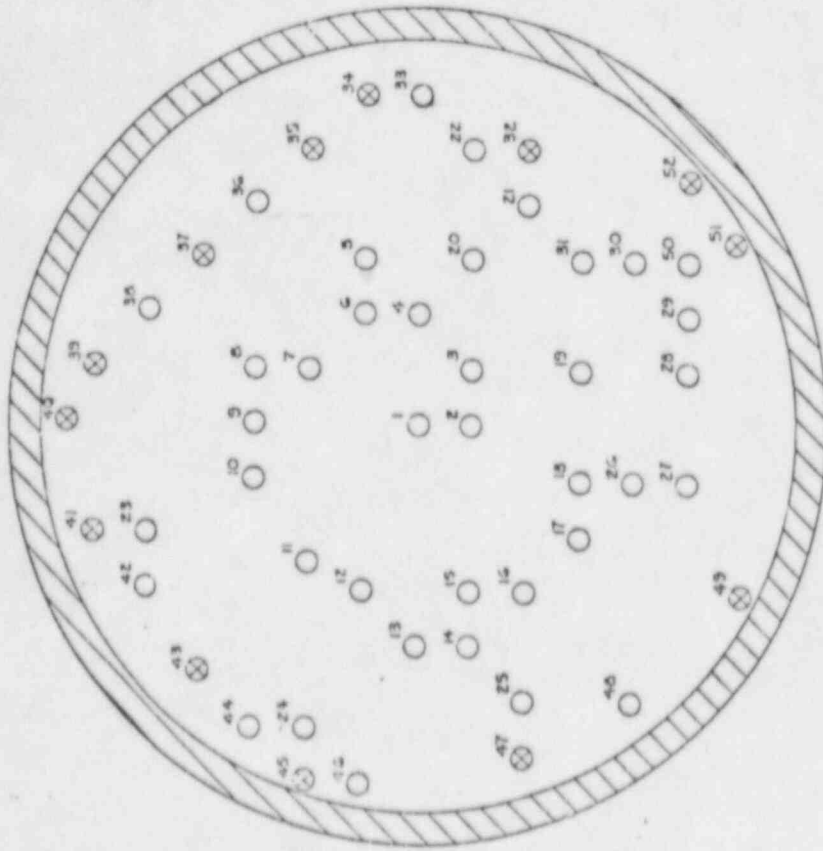
ARKANSAS POWER AND LIGHT COMPANY
 ARKANSAS NUCLEAR ONE
 UNIT

REACTOR VESSEL - RI
 ZONE-01

DATE: [] [] []
 SHEET: [] OF []

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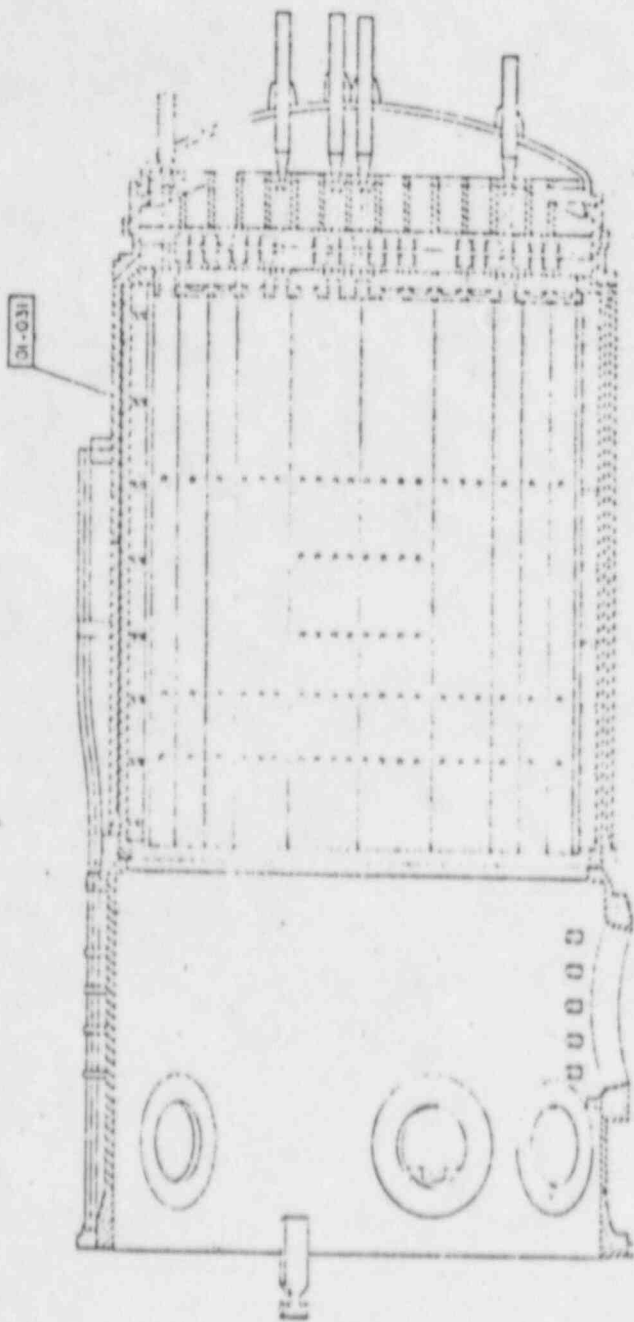


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2		REVISION		

ARGONAS POWER AND LIGHT COMPANY
 ARKANSAS NUCLEAR ONE
 UNIT 1

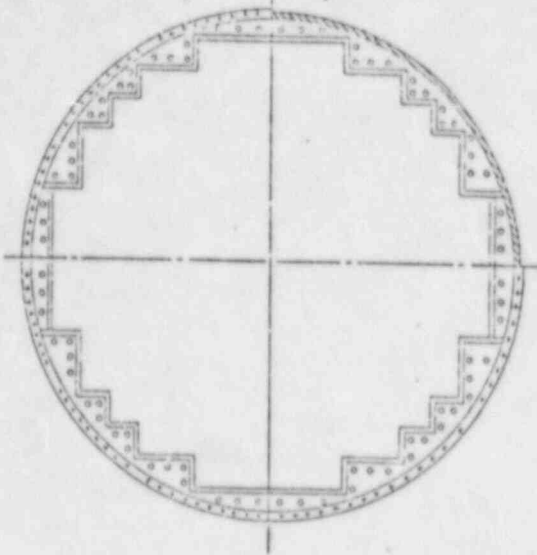
REACTOR VESSEL
 INSTRUMENTATION NOZZLES
 ZONE-01

ISI-101
 1 of 6



CORE SUPPORT ASSEMBLY

ARKANSAS POWER AND LIGHT COMPANY ARKANSAS NUCLEAR ONE UNIT 1					
CORE SUPPORT ASSY - RI ZONE-01					
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CORE BARREL ASSY.

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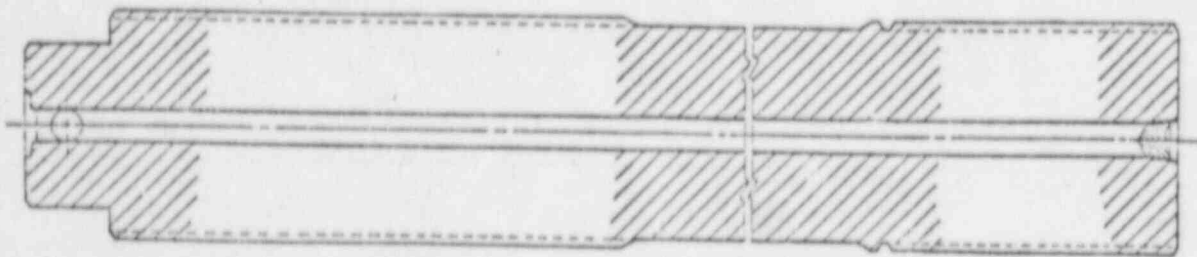
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ARKANSAS POWER AND LIGHT COMPANY
 ARKANSAS NUCLEAR ONE
 UNIT

REACTOR VESSEL - RI
 ZCNE-01

DATE: 11-10-68
 SHEET NO. 101 OF 101

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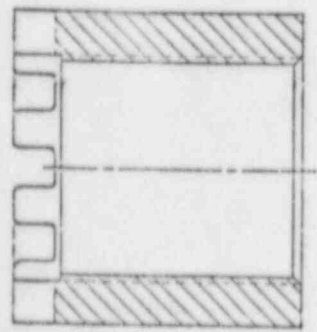


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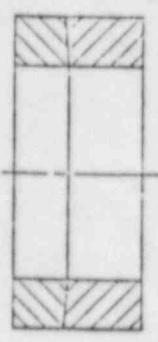
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ARKANSAS POWER AND LIGHT COMPANY
ARKANSAS NUCLEAR ONE
UNIT 1

ISI-101

PROGRAM PLAN AND SCHEDULE

ZONE- 02

COMPONENT DESCRIPTION

REACTOR PRESSURE VESSEL R1 CLOSURE HEAD

FORM ENG-011

AKO-UNIT-ONE

VESSEL PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS	
			1	2	3	4				S	I		WP
02-B-001	FROM Mechanism Bolts	B7.80.1	7				100	VT-1	NA	NA	X	8-Bolts Of CRIM #51 Clean-Disassembled	
02-B-002	FROM Mechanism Bolts	B7.80.2	7				100	VT-1	NA	NA	X	8-Bolts Of CRIM #56 Clean-Disassembled	
02-B-003	FROM Mechanism Bolts	B7.80.3	7		10		100	VT-1	NA	NA	X	8-Bolts Of CRIM #58 Clean-Disassembled	
02-C-001	FROM Housing Butt Weld #46	B14.10.1					100	UT	40817				
02-C-002	FROM Housing Butt Weld #47	B14.10.2					100	UT	40817	NA	NA	X	Chemical Etch Weld
02-C-003	FROM Housing Butt Weld #48	B14.10.3					100	UT	40817				
02-C-004	FROM Housing Butt Weld #49	B14.10.4					100	UT	40817				
02-C-005	FROM Housing Butt Weld #50	B14.10.5					100	UT	40817				
02-C-006	FROM Housing Butt Weld #51	B14.10.6					100	UT	40817				
02-C-007	FROM Housing Butt Weld #52	B14.10.7					100	UT	40817				
02-C-008	FROM Housing Butt Weld #53	B14.10.8					100	UT	40817				
02-C-009	FROM Housing Butt Weld #54	B14.10.9					100	UT	40817				
02-C-010	FROM Housing Butt Weld #55	B14.10.10					100	UT	40817	NA	NA	X	Chemical Etch Weld
02-C-011	FROM Housing Butt Weld #56	B14.10.11		9			100	UT	40817				
02-C-012	FROM Housing Butt Weld #57	B14.10.12					100	UT	40817	NA	NA	X	Chemical Etch Weld
02-C-013	FROM Housing Butt Weld #58	B14.10.13			10		100	UT	40817				
02-C-014	FROM Housing Butt Weld #59	B14.10.14					100	UT	40817				
02-C-015	FROM Housing Butt Weld #60	B14.10.15					100	UT	40817				
02-C-016	FROM Housing Butt Weld #61	B14.10.16					100	UT	40817				
02-C-017	FROM Housing Butt Weld #62	B14.10.17					100	UT	40817				
02-C-018	FROM Housing Butt Weld #63	B14.10.18					100	UT	40817				
02-C-019	FROM Housing Butt Weld #64	B14.10.19					100	UT	40817				
02-C-020	FROM Housing Butt Weld #65	B14.10.20					100	UT	40817				
02-C-021	FROM Housing Butt Weld #66	B14.10.21					100	UT	40817				
02-C-022	FROM Housing Butt Weld #67	B14.10.22					100	UT	40817				
02-C-023	FROM Housing Butt Weld #68	B14.10.23					100	UT	40817				
02-C-024	FROM Housing Butt Weld #69	B14.10.24					100	UT	40817			#46	
02-C-025	FROM Base To Motor Tube Weld	B14.10.25					100	UT	40817				
02-C-026	FROM Base To Motor Tube Weld	B14.10.26					100	UT	40817	NA	NA	X	#47
02-C-027	FROM Base To Motor Tube Weld	B14.10.27					100	UT	40817				
02-C-028	FROM Base To Motor Tube Weld	B14.10.28					100	UT	40817				
02-C-029	FROM Base To Motor Tube Weld	B14.10.29					100	UT	40817			#49	
02-C-030	FROM Base To Motor Tube Weld	B14.10.30					100	UT	40817			#50	
							100	UT	40817			#51	

FORM ENG-011
PROGRAM PLAN AND SCHEDULE

ZONE - 02

COMPONENT DESCRIPTION

REACTOR PRESSURE VESSEL R1 CLOSURE HEAD

AND UNIT-ONE

VESSEL PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4				S	WF	
02-C-031	CRDM Base To Motor Tube Weld	B14.10.31					100	UT	40817			#52
02-C-032	CRDM Base To Motor Tube Weld	B14.10.32					100	UT	40817			#53
02-C-033	CRDM Base To Motor Tube Weld	B14.10.33					100	UT	40817			#54
02-C-034	CRDM Base To Motor Tube Weld	B14.10.34					100	UT	40817			#55
02-C-035	CRDM Base To Motor Tube Weld	B14.10.35		9			100	UT	40817	NA	NA	#56 Chemical Etch Weld
02-C-036	CRDM Base To Motor Tube Weld	B14.10.36					100	UT	40817			#57
02-C-037	CRDM Base To Motor Tube Weld	B14.10.37			10		100	UT	40817	NA	NA	#58 Chemical Etch Weld
02-C-038	CRDM Base To Motor Tube Weld	B14.10.38					100	UT	40817	NA	NA	#59
02-C-039	CRDM Base To Motor Tube Weld	B14.10.39					100	UT	40817	NA	NA	#60
02-C-040	CRDM Base To Motor Tube Weld	B14.10.40					100	UT	40817	NA	NA	#61
02-C-041	CRDM Base To Motor Tube Weld	B14.10.41					100	UT	40817	NA	NA	#62
02-C-042	CRDM Base To Motor Tube Weld	B14.10.42					100	UT	40817	NA	NA	#63
02-C-043	CRDM Base To Motor Tube Weld	B14.10.43					100	UT	40817	NA	NA	#64
02-C-044	CRDM Base To Motor Tube Weld	B14.10.44					100	UT	40817	NA	NA	#65
02-C-045	CRDM Base To Motor Tube Weld	B14.10.45					100	UT	40817	NA	NA	#66
02-C-046	CRDM Base To Motor Tube Weld	B14.10.46					100	UT	40817	NA	NA	#67
02-C-047	CRDM Base To Motor Tube Weld	B14.10.47					100	UT	40817	NA	NA	#68
02-C-049	CRDM Motor Tube To Extension	B14.10.49					100	UT	40818	NA	NA	#46
02-C-050	CRDM Motor Tube To Extension	B14.10.50					100	UT	40818	NA	NA	#47
02-C-051	CRDM Motor Tube To Extension	B14.10.51				7	100	UT	40818	NA	NA	#48 Chemical Etch Weld
02-C-052	CRDM Motor Tube To Extension	B14.10.52					100	UT	40818	NA	NA	#49
02-C-053	CRDM Motor Tube To Extension	B14.10.53					100	UT	40818	NA	NA	#50
02-C-054	CRDM Motor Tube To Extension	B14.10.54					100	UT	40818	NA	NA	#51
02-C-055	CRDM Motor Tube To Extension	B14.10.55					100	UT	40818	NA	NA	#52
02-C-056	CRDM Motor Tube To Extension	B14.10.56					100	UT	40818	NA	NA	#53
02-C-057	CRDM Motor Tube To Extension	B14.10.57					100	UT	40818	NA	NA	#54
02-C-058	CRDM Motor Tube To Extension	B14.10.58					100	UT	40818	NA	NA	#55
02-C-059	CRDM Motor Tube To Extension	B14.10.59		9			100	UT	40818	NA	NA	#56 Chemical Etch Weld
02-C-060	CRDM Motor Tube To Extension	B14.10.60					100	UT	40818	NA	NA	#57
02-C-061	CRDM Motor Tube To Extension	B14.10.61			10		100	UT	40818	NA	NA	#58 Chemical Etch Weld
02-C-062	CRDM Motor Tube To Extension	B14.10.62					100	UT	40818	NA	NA	#59
02-C-063	CRDM Motor Tube To Extension	B14.10.63					100	UT	40818	NA	NA	#60

PROGRAM PLAN AND SCHEDULE

ZONE- 02

COMPONENT DESCRIPTION

REACTOR PRESSURE VESSEL R1 CLOSURE HEAD

FORM ENG-011

AWP-UNIT-ONE

VESSEL PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4				S	I	
02-C-064	FROM Motor Tube To Extension	B14.10.64					100	UT	40818	NA	NA	#61
02-C-065	FROM Motor Tube To Extension	B14.10.65					100	UT	40818	NA	NA	#62
02-C-066	FROM Motor Tube To Extension	B14.10.66					100	UT	40818	NA	NA	#63
02-C-067	FROM Motor Tube To Extension	B14.10.67					100	UT	40818	NA	NA	#64
02-C-068	FROM Motor Tube To Extension	B14.10.68					100	UT	40818	NA	NA	#65
02-C-069	FROM Motor Tube To Extension	B14.10.69					100	UT	40818	NA	NA	#66
02-C-070	FROM Motor Tube To Extension	B14.10.70					100	UT	40818	NA	NA	#67
02-C-071	FROM Motor Tube To Extension	B14.10.71					100	UT	40818	NA	NA	#68
02-C-072	FROM Motor Tube To Extension	B14.10.72					100	UT	40818	NA	NA	#69
02-C-073	FROM Extension To Cap Weld	B14.10.73					100	UT	40818	NA	NA	#66
02-C-074	FROM Extension To Cap Weld	B14.10.74					100	UT	40818	NA	NA	#67
02-C-075	FROM Extension To Cap Weld	B14.10.75					100	UT	40818	NA	NA	#48 Chemical Etch Weld
02-C-076	FROM Extension To Cap Weld	B14.10.76					100	UT	40818	NA	NA	#49
02-C-077	FROM Extension To Cap Weld	B14.10.77					100	UT	40818	NA	NA	#50
02-C-078	FROM Extension To Cap Weld	B14.10.78					100	UT	40818	NA	NA	#51
02-C-079	FROM Extension To Cap Weld	B14.10.79					100	UT	40818	NA	NA	#52
02-C-080	FROM Extension To Cap Weld	B14.10.80					100	UT	40818	NA	NA	#53
02-C-081	FROM Extension To Cap Weld	B14.10.81					100	UT	40818	NA	NA	#54
02-C-082	FROM Extension To Cap Weld	B14.10.82					100	UT	40818	NA	NA	#55
02-C-083	FROM Extension To Cap Weld	B14.10.83					100	UT	40818	NA	NA	#56 Chemical Etch Weld
02-C-084	FROM Extension To Cap Weld	B14.10.84					100	UT	40818	NA	NA	#57
02-C-085	FROM Extension To Cap Weld	B14.10.85					100	UT	40818	NA	NA	#58 Chemical Etch Weld
02-C-086	FROM Extension To Cap Weld	B14.10.86					100	UT	40818	NA	NA	#59
02-C-087	FROM Extension To Cap Weld	B14.10.87					100	UT	40818	NA	NA	#60
02-C-088	FROM Extension To Cap Weld	B14.10.88					100	UT	40818	NA	NA	#61
02-C-089	FROM Extension To Cap Weld	B14.10.89					100	UT	40818	NA	NA	#62
02-C-090	FROM Extension To Cap Weld	B14.10.90					100	UT	40818	NA	NA	#63
02-C-091	FROM Extension To Cap Weld	B14.10.91					100	UT	40818	NA	NA	#64
02-C-092	FROM Extension To Cap Weld	B14.10.92					100	UT	40818	NA	NA	#65
02-C-093	FROM Extension To Cap Weld	B14.10.93					100	UT	40818	NA	NA	#66
02-C-094	FROM Extension To Cap Weld	B14.10.94					100	UT	40818	NA	NA	#67
02-C-095	FROM Extension To Cap Weld	B14.10.95					100	UT	40818	NA	NA	#68
02-C-096	FROM Extension To Cap Weld	B14.10.96					100	UT	40818	NA	NA	#69

PROGRAM PLAN AND SCHEDULE
ZONE - 02
COMPONENT DESCRIPTION
REACTOR PRESSURE VESSEL R1 CLOSURE HEAD

FORM ENG-011
ANO-UNIT-ONE
VESSEL PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
02-N-001	CRDM Nozzle To Head #1	B4.12.1					100	VT-2	NA				
02-N-002	CRDM Nozzle To Head #2	B4.12.2					100	VT-2	NA				
02-N-003	CRDM Nozzle To Head #3	B4.12.3					100	VT-2	NA				
02-N-004	CRDM Nozzle To Head #4	B4.12.4					100	VT-2	NA				
02-N-005	CRDM Nozzle To Head #5	B4.12.5					100	VT-2	NA				
02-N-006	CRDM Nozzle To Head #6	B4.12.6					100	VT-2	NA				
02-N-007	CRDM Nozzle To Head #7	B4.12.7					100	VT-2	NA				
02-N-008	CRDM Nozzle To Head #8	B4.12.8					100	VT-2	NA				
02-N-009	CRDM Nozzle To Head #9	B4.12.9					100	VT-2	NA				
02-N-010	CRDM Nozzle To Head #10	B4.12.10					100	VT-2	NA				
02-N-011	CRDM Nozzle To Head #11	B4.12.11					100	VT-2	NA				
02-N-012	CRDM Nozzle To Head #12	B4.12.12					100	VT-2	NA				
02-N-013	CRDM Nozzle To Head #13	B4.12.13					100	VT-2	NA				
02-N-014	CRDM Nozzle To Head #14	B4.12.14					100	VT-2	NA				
02-N-015	CRDM Nozzle To Head #15	B4.12.15					100	VT-2	NA				
02-N-016	CRDM Nozzle To Head #16	B4.12.16					100	VT-2	NA				
02-N-017	CRDM Nozzle To Head #17	B4.12.17					100	VT-2	NA				
02-N-018	CRDM Nozzle To Head #18	B4.12.18					100	VT-2	NA				
02-N-019	CRDM Nozzle To Head #19	B4.12.19					100	VT-2	NA				
02-N-020	CRDM Nozzle To Head #20	B4.12.20					100	VT-2	NA				
02-N-021	CRDM Nozzle To Head #21	B4.12.21					100	VT-2	NA				
02-N-022	CRDM Nozzle To Head #22	B4.12.22					100	VT-2	NA				
02-N-023	CRDM Nozzle To Head #23	B4.12.23					100	VT-2	NA				
02-N-024	CRDM Nozzle To Head #24	B4.12.24					100	VT-2	NA				
02-N-025	CRDM Nozzle To Head #25	B4.12.25					100	VT-2	NA				
02-N-026	CRDM Nozzle To Head #26	B4.12.26					100	VT-2	NA				
02-N-027	CRDM Nozzle To Head #27	B4.12.27					100	VT-2	NA				
02-N-028	CRDM Nozzle To Head #28	B4.12.28					100	VT-2	NA				
02-N-029	CRDM Nozzle To Head #29	B4.12.29					100	VT-2	NA				
02-N-030	CRDM Nozzle To Head #30	B4.12.30					100	VT-2	NA				
02-N-031	CRDM Nozzle To Head #31	B4.12.31					100	VT-2	NA				
02-N-032	CRDM Nozzle To Head #32	B4.12.32					100	VT-2	NA				
02-N-033	CRDM Nozzle To Head #33	B4.12.33					100	VT-2	NA				

PROGRAM PLAN AND SCHEDULE

ZONE - 02

COMPONENT DESCRIPTION

REACTOR PRESSURE VESSEL RI CLOSURE HEAD

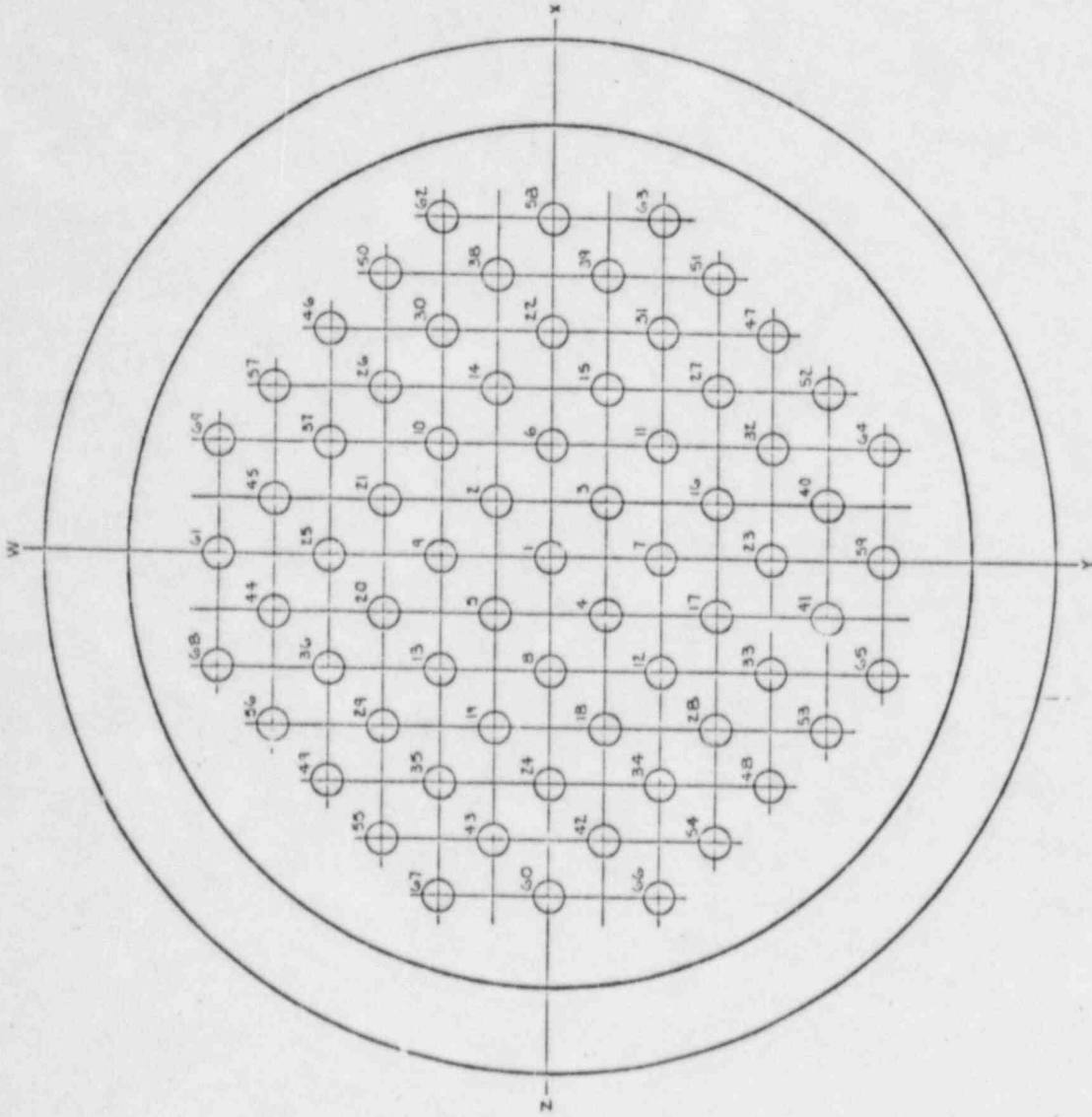
FORM ENG-011

ANO-UNIT-ONE

VESSEL PRESSURE BOUNDARY

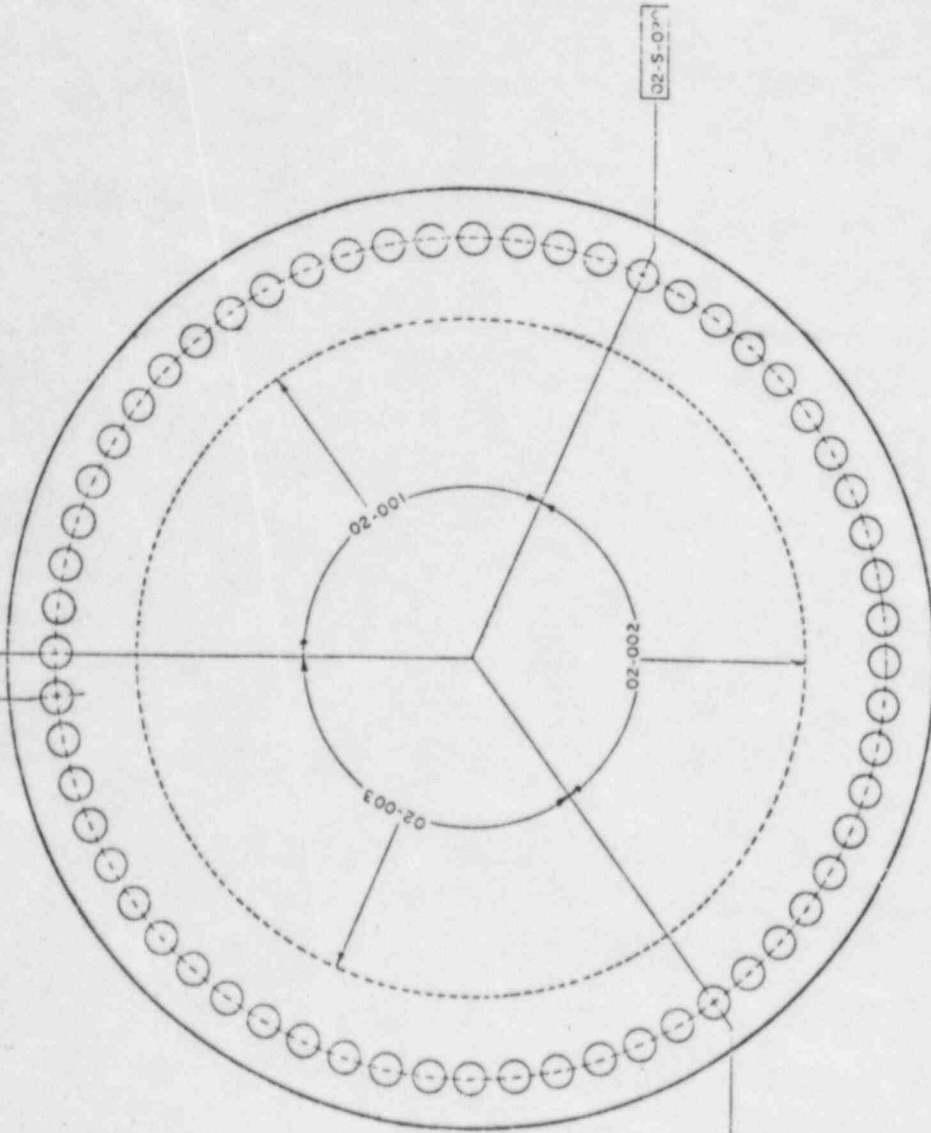
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			1	2	3	4				S	I	WP	
B2-N-034	CRDM Nozzle To Head #34	BE				100	VT-2	NA	NA	NA	NA	During System Leakage Test	
B2-N-035	CRDM Nozzle To Head #35	BE				100	VT-2	NA					
B2-N-036	CRDM Nozzle To Head #36	BE				100	VT-2	NA					
B2-N-037	CRDM Nozzle To Head #37	BE				100	VT-2	NA					
B2-N-038	CRDM Nozzle To Head #38	BE				100	VT-2	NA					
B2-N-039	CRDM Nozzle To Head #39	BE				100	VT-2	NA					
B2-N-040	CRDM Nozzle To Head #40	BE				100	VT-2	NA					
B2-N-041	CRDM Nozzle To Head #41	BE				100	VT-2	NA					
B2-N-042	CRDM Nozzle To Head #42	BE				100	VT-2	NA					
B2-N-043	CRDM Nozzle To Head #43	BE				100	VT-2	NA					
B2-N-044	CRDM Nozzle To Head #44	BE				100	VT-2	NA					
B2-N-045	CRDM Nozzle To Head #45	BE				100	VT-2	NA					
B2-N-046	CRDM Nozzle To Head #46	BE				100	VT-2	NA					
B2-N-047	CRDM Nozzle To Head #47	BE				100	VT-2	NA					
B2-N-048	CRDM Nozzle To Head #48	BE				100	VT-2	NA					
B2-N-049	CRDM Nozzle To Head #49	BE				100	VT-2	NA					
B2-N-050	CRDM Nozzle To Head #50	BE				100	VT-2	NA					
B2-N-051	CRDM Nozzle To Head #51	BE				100	VT-2	NA					
B2-N-052	CRDM Nozzle To Head #52	BE				100	VT-2	NA					
B2-N-053	CRDM Nozzle To Head #53	BE				100	VT-2	NA					
B2-N-054	CRDM Nozzle To Head #54	BE				100	VT-2	NA					
B2-N-055	CRDM Nozzle To Head #55	BE				100	VT-2	NA					
B2-N-056	CRDM Nozzle To Head #56	BE				100	VT-2	NA					
B2-N-057	CRDM Nozzle To Head #57	BE				100	VT-2	NA					
B2-N-058	CRDM Nozzle To Head #58	BE				100	VT-2	NA					
B2-N-059	CRDM Nozzle To Head #59	BE				100	VT-2	NA					
B2-N-060	CRDM Nozzle To Head #60	BE				100	VT-2	NA					
B2-N-061	CRDM Nozzle To Head #61	BE				100	VT-2	NA					
B2-N-062	CRDM Nozzle To Head #62	BE				100	VT-2	NA					
B2-N-063	CRDM Nozzle To Head #63	BE				100	VT-2	NA					
B2-N-064	CRDM Nozzle To Head #64	BE				100	VT-2	NA					
B2-N-065	CRDM Nozzle To Head #65	BE				100	VT-2	NA					
B2-N-066	CRDM Nozzle To Head #66	BE				100	VT-2	NA					

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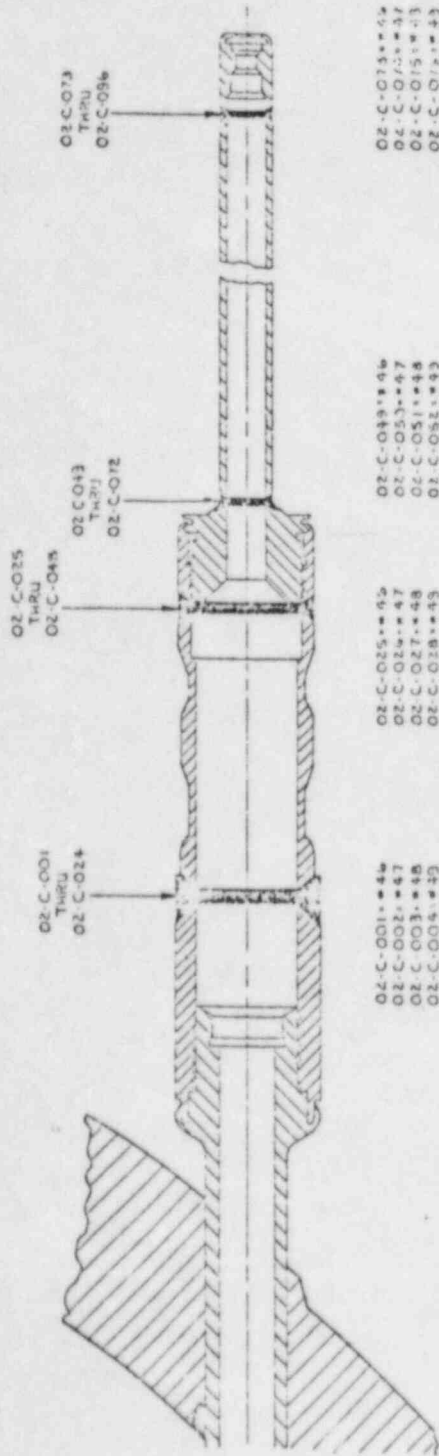


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NO	DATE	REVISION	BY
LOCAL NAME		DESIGN OF	
ARKANSAS POWER AND LIGHT COMPANY			
ARKANSAS NUCLEAR ONE			
UNIT 1			
REACTOR VESSEL CLOSURE			
HEAD CROSS AND LAYOUT			
ZONE 02			
DRAWING NO.		REV.	
ISI-102		1	

02-001—BETWEEN 02-S-C AND 02-S-020
 02-002—BETWEEN 02-S-020 AND 02-S-0
 03-003—BETWEEN 02-S-040 AND 02-S-043



NO	DATE	REV	BY	CHKD	DATE
0					
REACTOR VESSEL HEAD TO FLANGE ZONE-02 ARKANSAS POWER AND LIGHT COMPANY ARKANSAS NUCLEAR ONE UNIT 1 DRAWING NO. ISI-102 SHEET NO. 0					



02-C-001**44
 02-C-002**47
 02-C-003**48
 02-C-004**49
 02-C-005**50
 02-C-006**51
 02-C-007**52
 02-C-008**53
 02-C-009**54
 02-C-010**55
 02-C-011**56
 02-C-012**57
 02-C-013**58
 02-C-014**59
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 02-C-017**62
 02-C-018**63
 02-C-019**64
 02-C-020**65
 02-C-021**66
 02-C-022**67
 02-C-023**68
 02-C-024**69

02-C-025**92
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 02-C-031**52
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02-C-049**96
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 02-C-072**69

02-C-073**44
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 02-C-095**68
 02-C-096**69

NO. 214	REV. N	DATE	BY
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02-C-005	02-C-006	02-C-007	02-C-008
02-C-009	02-C-010	02-C-011	02-C-012
02-C-013	02-C-014	02-C-015	02-C-016
02-C-017	02-C-018	02-C-019	02-C-020
02-C-021	02-C-022	02-C-023	02-C-024
02-C-025	02-C-026	02-C-027	02-C-028
02-C-029	02-C-030	02-C-031	02-C-032
02-C-033	02-C-034	02-C-035	02-C-036
02-C-037	02-C-038	02-C-039	02-C-040
02-C-041	02-C-042	02-C-043	02-C-044
02-C-045	02-C-046	02-C-047	02-C-048
02-C-049	02-C-050	02-C-051	02-C-052
02-C-053	02-C-054	02-C-055	02-C-056
02-C-057	02-C-058	02-C-059	02-C-060
02-C-061	02-C-062	02-C-063	02-C-064
02-C-065	02-C-066	02-C-067	02-C-068
02-C-069	02-C-070	02-C-071	02-C-072
02-C-073	02-C-074	02-C-075	02-C-076
02-C-077	02-C-078	02-C-079	02-C-080
02-C-081	02-C-082	02-C-083	02-C-084
02-C-085	02-C-086	02-C-087	02-C-088
02-C-089	02-C-090	02-C-091	02-C-092
02-C-093	02-C-094	02-C-095	02-C-096
02-C-097	02-C-098	02-C-099	02-C-100

ARKANSAS POWER AND LIGHT COMPANY
 ARKANSAS NUCLEAR ONE
 UNIT 1

REACTOR VESSEL- RI
 ZONE -01

151-102	1 of 3
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FORM ENG-011

ASO-UNIT-ONE

VESSEL PRESSURE BOUNDARY

PROGRAM PLAN AND SCHEDULE

ZONE - 03

COMPONENT DESCRIPTION

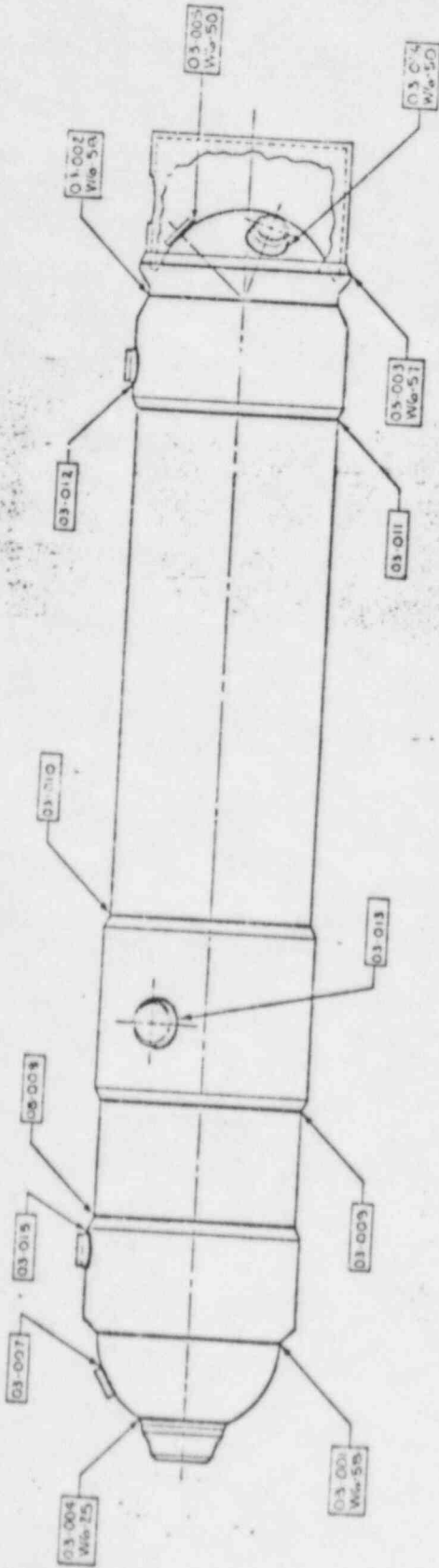
1A-STEAM GENERATOR E24A

REVISED 12/01/83

PAGE-1 of 2

CLASS-1 & 2

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
03-001	Upper Head To Tubesheet Weld	E2.40.1	BB	18			100	UT	40805	X	X	X	
03-002	Lower Head To Tubesheet Weld	E2.40.2	BB				100	UT	40805	X	X	X	
03-003	Supp Skirt Tran To Low Hd Weld	E8.30.1	BH	9			100	UT	40805	X	X	X	
03-004	BCS Nozzle To Upper Head Weld	B3.130.1	BD	7			100	UT	40804	X	X	X	
03-005	Nozzle To Head Inner Radius	B3.140.1	BD	7			100	UT	40804	X	X	X	
03-006	Low Manway To Low Hd Nozz Weld	B3.130.2	BD				100	UT	40804	X	X	X	
03-007	Nozzle To Head Inner Radius	B3.140.2	BD				100	UT	40804	X	X	X	
03-008	Low Manway To Low Hd Nozz Weld	B3.130.3	BD	7			100	UT	40804	X	X	X	
03-009	Nozzle To Head Inner Radius	B3.140.3	BD	7			100	UT	40804	X	X	X	
03-010	Manway To Upper Head Nozzle	B3.130.4	BD				100	UT	40804	X	X	X	
03-011	Nozzle To Head Inner Radius	B3.140.4	BD				100	UT	40804	X	X	X	
03-012	Upper Shell To Tubesheet Weld	C1.10.1	CA	9			100	UT	40805	X	X	X	
03-013	Upper Shell To Nozz Belt Weld	C1.10.2	CA				100	UT	40805	X	X	X	
03-014	Upper Nozz Belt To Shell Weld	C1.10.3	CA	8			100	UT	40805	X	X	X	
03-015	Lower Tubesheet To Shell Weld	C1.10.4	CA	7			100	UT	40805	X	X	X	
03-016	Main Feedwater Nozzle To Shell	C2.21.1	CB	8			100	UT	40805	X	X	X	
03-017	Nozzle To Shell Inner Radius	C2.22.1	CB	8			100	UT	40805	X	X	X	
03-018	Main Steam Nozzle To Shell	C2.21.2	CB	9			100	UT	40805	X	X	X	
03-019	Nozzle To Shell Inner Radius	C2.22.2	CB	9			100	UT	40805	X	X	X	
03-020	Main Steam Nozzle To Shell	C2.21.3	CB				100	UT	40805	X	X	X	
03-021	Nozzle To Shell Inner Radius	C2.22.3	CB				100	UT	40805	X	X	X	
03-022	FW Nozzle To Shell Weld	C2.21.4	CB				100	UT	40804	X	X	X	
03-023	Nozzle To Shell Inner Radius	C2.22.4	CB				100	UT	40804	X	X	X	
03-024	Low Inspect Nozz To Shell Weld	C3.150.5	BD	7			100	UT	40805	X	X	X	
03-025	Upper Head Manway Studs	B6.90.1	BG	7			100	VT	40858	NA	NA	NA	
03-026	Lower Head Manway Studs	B6.90.2	BG	8			100	VT	40858	NA	NA	NA	
03-027	Upper Head Manway Studs	B6.90.3	BG				100	VT	40858	NA	NA	NA	
03-028	Lower Head Manway Stud Holes	B6.100.1	BG	7			100	VT-1	NA	NA	NA	NA	When Disassembled
03-029	Upper Head Manway Stud Holes	B6.100.2	BG	8			100	VT-1	NA	NA	NA	NA	When Disassembled
03-030	Lower Head Manway Stud Holes	B6.100.3	BG				100	VT-1	NA	NA	NA	NA	When Disassembled
03-031	Upper Head Manway Nuts	B6.110.1	BG	7			100	VT-1	NA	NA	NA	NA	When Disassembled
03-032	Lower Head Manway Nuts	B6.110.2	BG	8			100	VT-1	NA	NA	NA	NA	When Disassembled
03-033	Upper Head Manway Nuts	B6.110.3	BG	9			100	VT-1	NA	NA	NA	NA	When Disassembled



1	ISSUED PER ISI	KK	CP	
0	ISSUED PER ISI	BA	CP	
NO	DATE	REVISION	BY	DATE
SCALE	NO.	DESIGN	CS	DESIGN & CHECK
ARKANSAS POWER AND LIGHT COMPANY				
ARKANSAS NUCLEAR ONE				
UNIT 1				
IA STEAM GENERATOR E24A				
ZONE 03				
DRAWING NO				
REF				
ISI - 103				
1				

PROGRAM PLAN AND SCHEDULE

ZONE - 04

COMPONENT DESCRIPTION

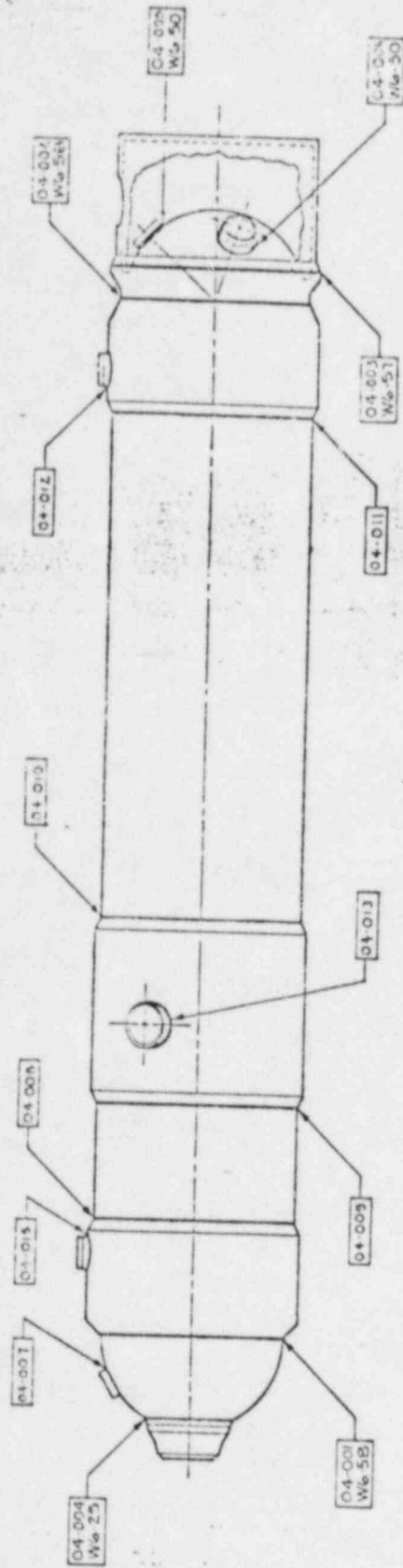
1B STEAM GENERATOR E24B

FORM ENG-011

ANO-UNIT-ONE

PIPING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4				S	I	
64-001	Upper Head To Tubesheet Weld	62.40.1					100	HT	60805	X	X	All NDE Exams Will Be Performed On 1A-SG E24A
64-002	Lower Head To Tubesheet Weld	62.40.2					100	HT	60805	X	X	
64-003	Upper Skirt Flange To Low Hd Weld	62.40.3					100	HT	60805	X	X	
64-004	CS Nozzle To Upper Head Weld	63.150.1					100	HT	60804	X	X	
64-005	Nozzle To Head Inner Radius	63.160.1					100	HT	60804	X	X	
64-006	Low Manway To Low Hd Nozz Weld	63.150.2					100	HT	60804	X	X	
64-007	Nozzle To Head Inner Radius	63.160.2					100	HT	60804	X	X	
64-008	Low Manway To Low Hd Nozz Weld	63.150.3					100	HT	60804	X	X	
64-009	Nozzle To Head Inner Radius	63.160.3					100	HT	60804	X	X	
64-010	Manway To Upper Head Nozzle	63.150.4					100	HT	60804	X	X	
64-011	Nozzle To Head Inner Radius	63.160.4					100	HT	60805	X	X	
64-012	Upper Shell To Tube Sheet Weld	61.10.1					100	HT	60805	X	X	
64-013	Upper Shell To Nozz Belt Weld	61.10.2					100	HT	60805	X	X	
64-014	Upper Nozz Belt To Shell Weld	61.10.3					100	HT	60805	X	X	
64-015	Lower Tubesheet To Shell Weld	61.10.4					100	HT	60805	X	X	
64-016	Main Feedwater Nozzle to Shell	62.21.1					100	HT	60805	X	X	
64-017	Nozzle To Shell Inner Radius	62.22.1					100	HT	60805	X	X	
64-018	Main Steam Nozzle To Shell	62.21.2					100	HT	60805	X	X	
64-019	Nozzle To Shell Inner Radius	62.22.2					100	HT	60805	X	X	
64-020	Main Steam Nozzle To Shell	62.21.3					100	HT	60805	X	X	
64-021	Nozzle To Shell Inner Radius	62.22.3					100	HT	60804	X	X	
64-022	FW Nozzle To Shell Weld	62.21.4					100	HT	60804	X	X	
64-023	Nozzle To Shell Inner Radius	62.22.4					100	HT	60805	X	X	
64-024	Low Inspect Nozz To Shell Weld	63.150.5					100	HT	60858	NA	NA	
64-025	Upper Head Manway Studs	66.90.1					100	UT	60858	NA	NA	
64-026	Lower Head Manway Studs	66.90.2					100	UT	60858	NA	NA	
64-027	Upper Head Manway Studs	66.90.3					100	UT	60858	NA	NA	
64-028	Upper Head Manway Stud Holes	66.100.1					100	VT-1	NA	NA	When Disassembled	
64-029	Lower Head Manway Stud Holes	66.100.2					100	VT-1	NA	NA	When Disassembled	
64-030	Lower Head Manway Stud Holes	66.100.3					100	VT-1	NA	NA	When Disassembled	
64-031	Upper Head Manway Nuts	66.110.1					100	VT-1	NA	NA		
64-032	Lower Head Manway Nuts	66.110.2					100	VT-1	NA	NA		
64-033	Lower Head Manway Nuts	66.110.3					100	VT-1	NA	NA		



1	ISSUED PER 11	REVISION	DATE	BY
0	ISSUED PER 101	REVISION	DATE	BY
NO	DATE	REVISION	DATE	BY
SCALE	NO.	DATE	DATE	BY
ARKANSAS POWER AND LIGHT COMPANY				
ARKANSAS NUCLEAR ONE				
UNIT 1				
1B STEAM GENERATOR E24B				
ZONE 04				
DRAWING NO.				
ISI-104				
REV.				
1				

PROGRAM PLAN AND SCHEDULE

ZONE- 05

COMPONENT DESCRIPTION

PRESSURIZER VESSEL T1

FORM ENG-011

ANO-UNIT-ONE
VESSEL PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4				S	W/P	
05-001	Upper Head To Shell Circ Seam	B2.11.1					100	UT	40804	N	X	Was WP-16 And 1 Ft of LS 0/2
05-002	Shell Section #1 Long Seam	B2.12.1					100	UT	40804	X	X	Was WP-1
05-003	Shell To Shell Circ Seam	B2.11.2					100	UT	40804	N	X	Was WP-3
05-004	Shell Section #2 Long Seam	B2.12.2					100	UT	40804	N	X	Was WP-1
05-005	Shell To Shell Circ Seam	B2.11.3					100	UT	40804	N	X	Was WP-3
05-006	Shell Section #3 Long Seam	B2.12.3					100	UT	40804	N	X	Was WP-1
05-007	Shell To Htr Belt Shell Cir Sm	B2.11.4					100	UT	40804	N	X	Was WP-4
05-008	Htr Belt Shell To Lo Hd Cir Sm	B2.11.5					100	UT	40804	N	X	Was WP-28 and 1 Ft of LS 010 And 011
05-009	Htr Bundle Shell Half Cir Seam	B2.11.6					100	UT	40804	N	X	Was WP-7
05-010	Htr Bdle Shell Long Sm X-Axis	B2.12.4					100	UT	40804	N	X	Was WP-7
05-011	Htr Bdle Shell Long Sm Y-Axis	B2.12.5					100	UT	40803	N	X	Was WP-34
05-012	Spray Nozzle To Head Weld	B3.110.1					100	UT	40803	N	X	Was WP-33
05-013	Nozzle Inside Radius Section	B3.120.1					100	UT	40803	N	X	Was WP-33
05-014	Pzz Relief Nozz Between W-X Ax	B3.110.2					100	UT	40803	N	X	Was WP-33
05-015	Nozzle Inside Radius Section	B3.120.2					100	UT	40803	N	X	Was WP-33
05-016	Pzz Relief Nozz Between X-Y Ax	B3.110.3					100	UT	40803	N	X	Was WP-33
05-017	Nozzle Inside Radius Section	B3.120.3					100	UT	40803	N	X	Was WP-33
05-018	Pzz Relief Nozz Between Z-W Ax	B3.110.4					100	UT	40803	N	X	Was WP-33
05-019	Nozzle Inside Radius Section	B3.120.4					100	UT	40803	N	X	Was WP-33
05-020	Manway To Upper Head Nozzle	B3.110.5					100	UT	40803	N	X	Was WP-33
05-021	Nozzle Inside Radius Section	B3.120.5					100	UT	40803	N	X	Was WP-33
05-022	Vent Nozzle To Shell Weld	B3.110.6					100	UT	40803	N	X	Was WP-33
05-023	Nozzle Inside Radius Section	B3.120.6					100	UT	40803	N	X	Was WP-33
05-024	Vent Nozzle To Shell Weld	B3.110.7					100	UT	40803	N	X	Was WP-33
05-025	Nozzle Inside Radius Section	B3.120.7					100	UT	40803	N	X	Was WP-33
05-026	Drain Line Nozzle To Shell	B3.110.8					100	UT	40803	N	X	Was WP-33
05-027	Nozzle Inside Radius Section	B3.120.8					100	UT	40803	N	X	Was WP-33
05-028	Drain Line Nozzle To Shell	B3.110.9					100	UT	40803	N	X	Was WP-33
05-029	Nozzle Inside Radius Section	B3.120.9					100	UT	40803	N	X	Was WP-33
05-030	Surge Nozzle To Bottom Head	B3.110.10					100	UT	40803	N	X	Was WP-33
05-031	Nozzle Inside Radius Section	B3.120.10					100	UT	40803	N	X	Was WP-33
05-032	Support Lug To Shell Weld	BB.20.1					100	MT	NA	X	X	W-Axis
05-033	Shell To Support Lug Weld	BB.20.1					100	MT	NA	X	X	W-Axis

PROGRAM PLAN AND SCHEDULE

ZONE - 05

COMPONENT DESCRIPTION

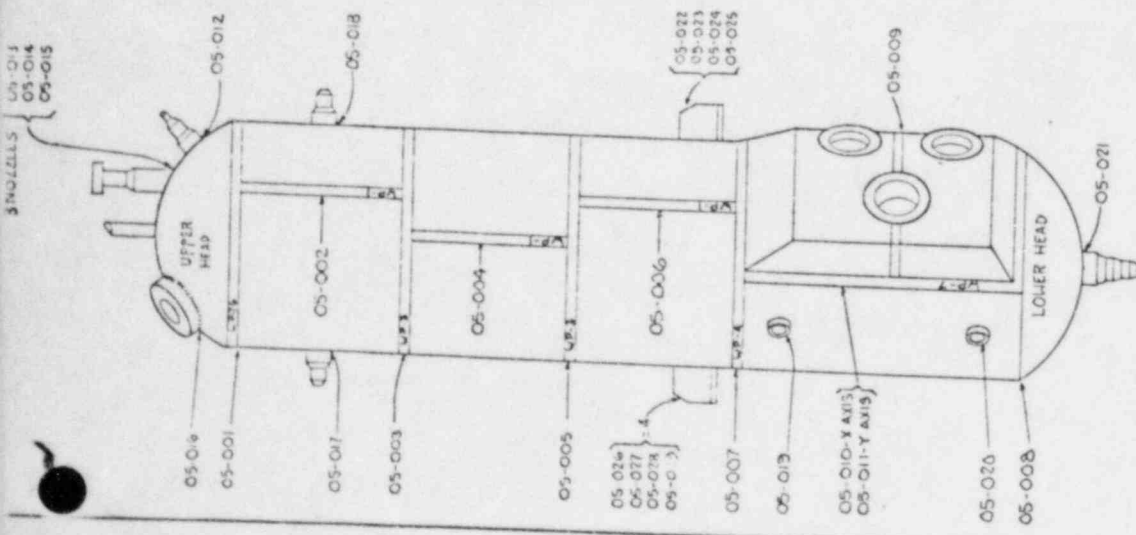
PRESSURIZER VESSEL T1

FORM ENG-011

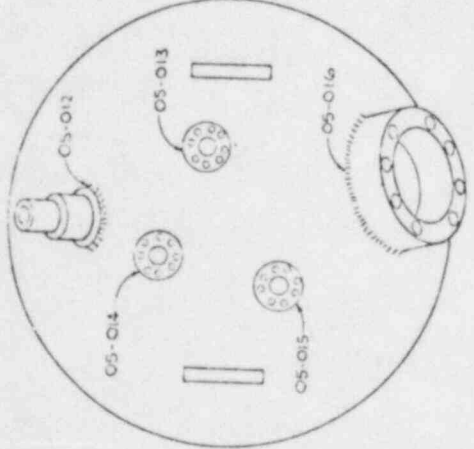
ANO-UNIT-ONE

VESSEL PRESSURE BOUNDARY

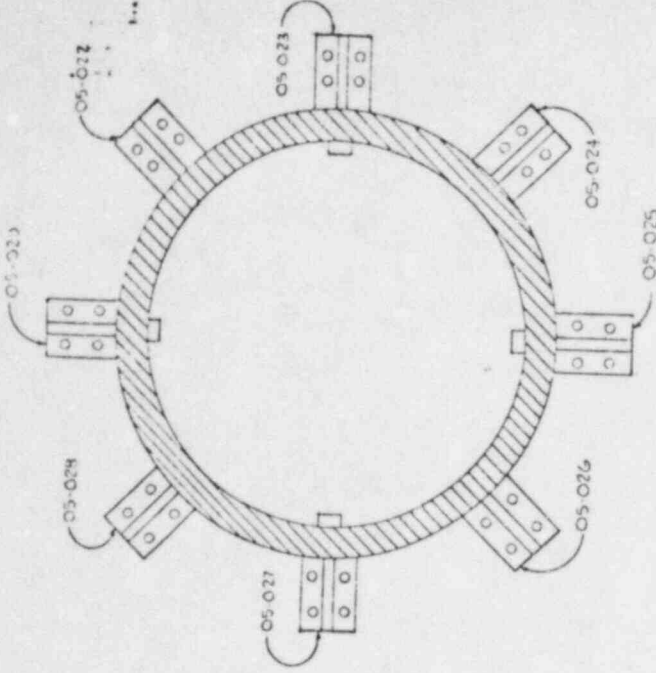
EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4				S	I WF	
05-023	Support Lug To Shell Weld	BH 88.20.2			1h		100	MT	NA	X	X	W-X Axis
05-023	Shell To Support Lug Weld	BH 88.20.2			1h		100	MT	NA	X	X	W-X Axis
05-024	Support Lug To Shell Weld	BH 88.20.3			1h		100	MT	NA	X	X	X-Axis
05-024	Shell To Support Lug Weld	BH 88.20.3			1h		100	MT	NA	X	X	X-Axis
05-025	Support Lug To Shell Weld	BH 88.20.4			1h		100	MT IIT	NA	X	X	X-Y Axis
05-025	Shell To Support Lug Weld	BH 88.20.4			1h		100	MT IIT	NA	X	X	X-Y Axis
05-026	Support Lug To Shell Weld	BH 88.20.5			1h		100	MT IIT	NA	X	X	Y-Axis
05-026	Shell To Support Lug Weld	BH 88.20.5			1h		100	MT IIT	NA	X	X	Y-Axis
05-027	Support Lug To Shell Weld	BH 88.20.6			1h		100	MT IIT	NA	X	X	Y-Z Axis
05-027	Shell To Support Lug Weld	BH 88.20.6			1h		100	MT IIT	NA	X	X	Y-Z Axis
05-028	Support Lug To Shell Weld	BH 88.20.7			1h		100	MT IIT	NA	X	X	Z-Axis
05-028	Shell To Support Lug Weld	BH 88.20.7			1h		100	MT IIT	NA	X	X	Z-Axis
05-029	Support Lug To Shell Weld	BH 88.20.8			1h		100	MT IIT	NA	X	X	Z-W Axis
05-029	Shell To Support Lug Weld	BH 88.20.8			1h		100	MT IIT	NA	X	X	Z-W Axis
05-030	Heater Connection Welds	BF 84.20			1h		100	VT-2	NA	X	X	25 Percent Of Welds
05-031	Heater Bundle Studs	BG1 87.20.1			1h		100	VT-1	NA	X	X	1" Around Stud Holes (When Disassembled)
05-032	Heater Bundle Nuts	BG1 87.20.1			1h		100	VT-1	NA	X	X	1" Around Stud Holes (When Disassembled)
05-033	Heater Bundle Stud Holes	BG1 86.70.1			1h		100	VT-1	NA	X	X	1" Around Stud Holes (When Disassembled)
05-034	Manway Studs	BG1 87.20.2			1h		100	VT-1	NA	X	X	1" Around Stud Holes (When Disassembled)
05-035	Manway Nuts	BG1 87.20.2			1h		100	VT-1	NA	X	X	1" Around Stud Holes (When Disassembled)
05-036	Manway Flange Stud Holes	BG1 86.70.2			1h		100	VT-1	NA	X	X	System Leakage Test
05-037	Pressure Retaining Boundary	BF 84.20		8	9	10	100	VT-2	NA	X	X	System Hydrotest
05-038	Pressure Retaining Boundary	BF 84.20			11		100	VT-2	NA	X	X	System Hydrotest



PRESSURIZER VESSEL



UPPER HEAD



SUPPORT BRACKETS

ISSUED PER IS:	BY:	DATE:	SCALE:	WORK:	DESIGN:	APPROVAL:	ORIGIN:	DATE:
0	22	12/19	1/8"	05-000	05-000	05-000	05-000	05-000
ARKANSAS POWER AND LIGHT COMPANY ARKANSAS NUCLEAR ONE UNIT 1								
PRESSURIZER VESSEL - TI ZONE 05								
DRAWING NO.				REVISION				
ISI-105				0				

5/17/77

PROGRAM PLAN AND SCHEDULE

ZONE - 06

COMPONENT DESCRIPTION

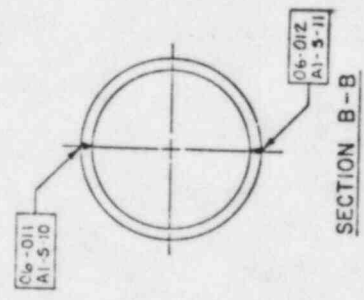
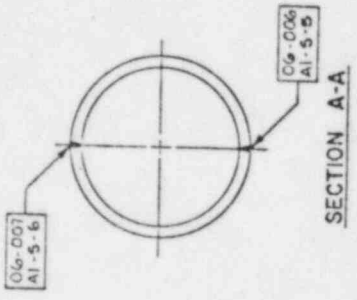
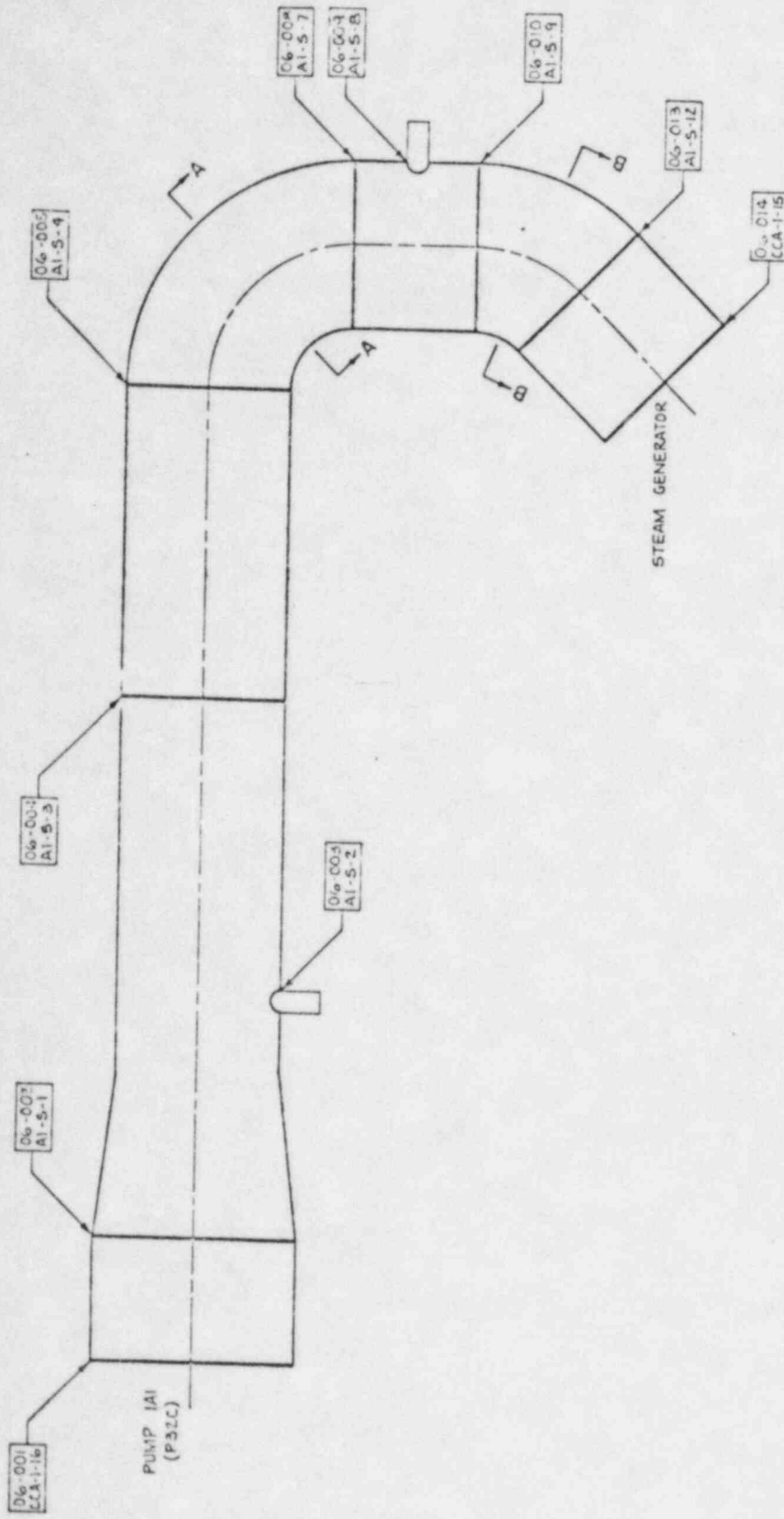
REACTOR COOLANT SUCTION AI-COLD LEG

FORM ENG-011

ANO-UNIT-ONE

PIPING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
b6-001	Pipe To Pump Circ Seam CS	B9.11.1					100	PT	NA		X	X	CCA-1-16
b6-001	Pipe To Pump Circ Seam CS	B9.11.1					100	UT	40812		X	X	CCA-1-16
b6-002	Pipe To Pipe Circ Seam SE DMW	B5.50.1					100	PT	NA		X	X	AI-S-1
b6-002	Pipe To Pipe Circ Seam SE DMW	B5.50.1					100	UT	40812		X	X	AI-S-1
b6-003	Pipe To Rte. Nozzle Branch DMW	B5.50.2					100	PT	NA		X	X	AI-S-2
b6-003	Pipe To Rte. Nozzle Branch DMW	B5.50.2					100	UT	40812		X	X	AI-S-2
b6-004	Pipe To Rte. Nozzle Branch DMW	B5.50.2					100	MT	NA		X	X	AI-S-3
b6-004	Pipe To Rte. Nozzle Branch DMW	B5.50.2					100	UT	40812		X	X	AI-S-3
b6-005	Pipe To Ell. Circ Seam	B9.11.3					100	MT	NA		X	X	AI-S-4
b6-005	Pipe To Ell. Circ Seam	B9.11.3					100	UT	40812		X	X	AI-S-4 And 1 FT Of LS 006 And 007
b6-005	Pipe To Ell. Circ Seam	B9.11.3					100	UT	40812		X	X	AI-S-4 And 1 FT Of LS 006 And 007
b6-006	Ell Inside Long Seam	B9.12.1					100	MT	NA		X	X	AI-S-5
b6-006	Ell Inside Long Seam	B9.12.1					100	UT	40812		X	X	AI-S-5
b6-007	Ell Outside Long Seam	B9.12.2					100	MT	NA		X	X	AI-S-6
b6-007	Ell Outside Long Seam	B9.12.2					100	UT	40812		X	X	AI-S-6
b6-008	Ell To Pipe Circ Seam	B9.11.4					100	MT	NA		X	X	AI-S-7
b6-008	Ell To Pipe Circ Seam	B9.11.4					100	UT	40812		X	X	AI-S-7 And 1 FT Of LS 006 And 007
b6-009	Pipe To Nozzle Branch DMW	B5.50.3					100	PT	NA		X	X	AI-S-8
b6-009	Pipe To Nozzle Branch DMW	B5.50.3					100	UT	40812		X	X	AI-S-8
b6-010	Pipe To Ell. Circ Seam	B9.11.5					100	MT	NA		X	X	AI-S-9
b6-010	Pipe To Ell. Circ Seam	B9.11.5					100	UT	40812		X	X	AI-S-9 And 1 FT Of LS 011 And 012
b6-011	Ell Inside Long Seam	B9.12.3					100	MT	NA		X	X	AI-S-10
b6-011	Ell Inside Long Seam	B9.12.3					100	UT	40812		X	X	AI-S-10
b6-012	Ell Outside Long Seam	B9.12.4					100	MT	NA		X	X	AI-S-11
b6-012	Ell Outside Long Seam	B9.12.4					100	UT	40812		X	X	AI-S-11
b6-013	Ell To Pipe Circ Seam	B9.11.6					100	MT	NA		X	X	AI-S-12
b6-013	Ell To Pipe Circ Seam	B9.11.6					100	UT	40812		X	X	AI-S-12 And 1 FT Of LS 011 And 012
b6-014	Pipe To SG Circ Seam	B9.11.7					100	MT	NA		X	X	CCA-1-15
b6-014	Pipe To SG Circ Seam	B9.11.7					100	UT	40812		X	X	CCA-1-15
b6-015	Pressure Retaining Boundary	B15.50					100	VT-2	NA		NA	NA	System Leakage Test
b6-016	Pressure Retaining Boundary	B15.51					100	VT-2	NA		NA	NA	System Hydro Test



STEAM GENERATOR

PUMP IAI
(P32C)

NO.	DATE	ISSUED PER	BY	SCALE	NOTE	DESIGN	DATE	BY	DATE
0		ISSUED PER ISI	BS						
ARKANSAS POWER AND LIGHT COMPANY ARKANSAS NUCLEAR ONE UNIT 1 IAI SUCTION FROM STEAM GENERATOR A TO PUMP IAI ZONE - 06									
DRAWING NO.								ISI - 106	

PROGRAM PLAN AND SCHEDULE

ZONE - 07

COMPONENT DESCRIPTION

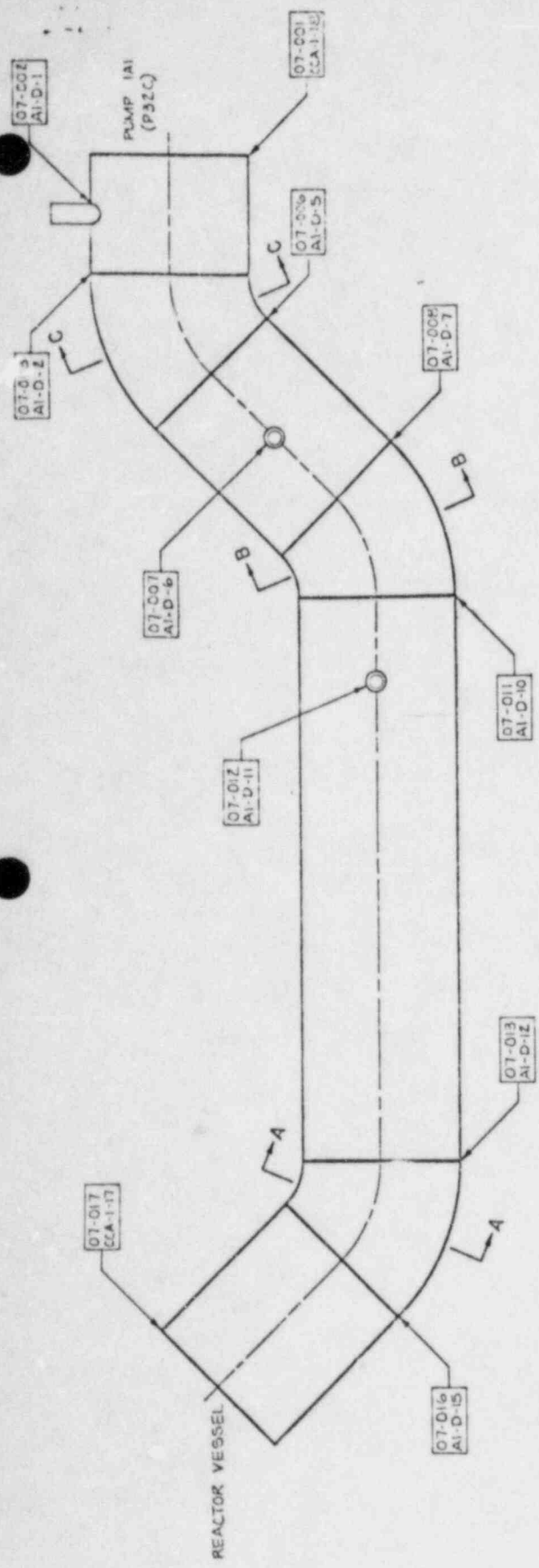
REACTOR COOLANT AIDISCHARGE-COLD LEG

FORM ENG-011

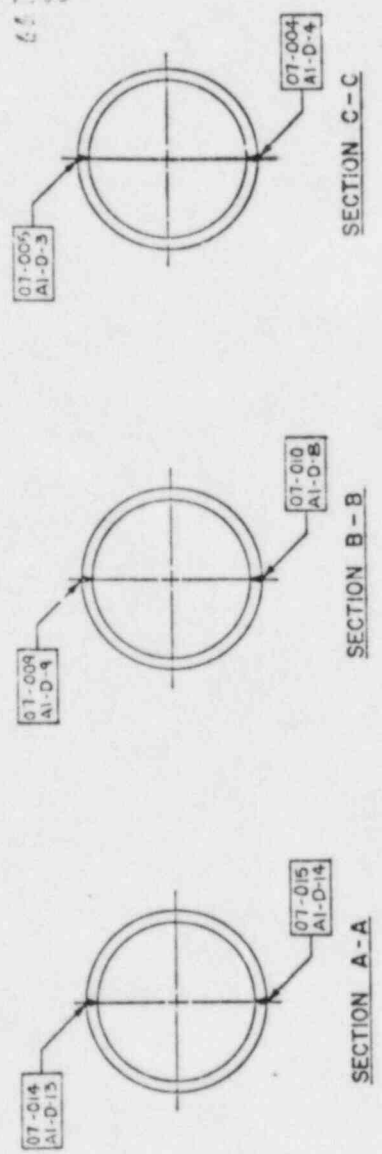
ANO-UNIT-ONE

PIPING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4				S	I	
07-001	Pipe To Pump IA Circ Seam CS	B9.11.1					100	PT	NA	X	X	CCA-1-18
07-001	Pipe To Pump IA Circ Seam CS	B9.11.1					100	UT	40812	X	X	CCA-1-18
07-002	Nozzle To Pipe Branch	B9.31.1					100	PT	NA	X	X	A1-D-1
07-002	Nozzle To Pipe Branch	B9.31.1					100	UT	40812	X	X	A1-D-1
07-003	Pipe To Ell Circ Seam SE	B5.50.1			10		100	PT	NA	X	X	A1-D-2 And 1 FT Of LS 004 And 005
07-003	Pipe To Ell Circ Seam SE	B5.50.1			10		100	UT	40812	X	X	A1-D-2 And 1 FT Of LS 004 And 005
07-004	Ell Inside Long Seam	B9.12.1			11		100	MT	NA	X	X	A1-D-3
07-004	Ell Inside Long Seam	B9.12.1			11		100	UT	40812	X	X	A1-D-3
07-005	Ell Outside Long Seam	B9.12.2			11		100	MT	NA	X	X	A1-D-4
07-005	Ell Outside Long Seam	B9.12.2			11		100	UT	40812	X	X	A1-D-4
07-006	Ell To Pipe Circ Seam	B9.11.2		9			100	MT	NA	X	X	A1-D-5 And 1 FT Of LS 004 And 005
07-006	Ell To Pipe Circ Seam	B9.11.2		9			100	UT	40812	X	X	A1-D-5 And 1 FT Of LS 004 And 005
07-007	Nozzle To Pipe Branch	B9.31.2		8			100	PT	NA	X	X	A1-D-6
07-007	Nozzle To Pipe Branch	B9.31.2		8			100	UT	40812	X	X	A1-D-6
07-008	Pipe To Ell Circ Seam	B9.11.3					100	MT	NA	X	X	A1-D-7 And 1 FT Of LS 009 And 010
07-008	Pipe To Ell Circ Seam	B9.11.3					100	UT	40812	X	X	A1-D-7 And 1 FT Of LS 009 And 010
07-009	Ell Inside Long Seam	B9.12.3					100	MT	NA	X	X	A1-D-8
07-009	Ell Inside Long Seam	B9.12.3					100	UT	40812	X	X	A1-D-8
07-010	Ell Outside Long Seam	B9.12.4					100	MT	NA	X	X	A1-D-9
07-010	Ell Outside Long Seam	B9.12.4					100	UT	40812	X	X	A1-D-9
07-011	Ell To Pipe Circ Seam	B9.11.4					100	MT	NA	X	X	A1-D-10 And 1 FT Of LS 009 And 010
07-011	Ell To Pipe Circ Seam	B9.11.4					100	UT	40812	X	X	A1-D-10 And 1 FT Of LS 009 And 010
07-012	Nozzle To Pipe Branch DMW	B5.50.2		7			100	MT	NA	X	X	A1-D-11
07-012	Nozzle To Pipe Branch DMW	B5.50.2		7			100	UT	40812	X	X	A1-D-11
07-013	Pipe To Ell Circ Seam	B9.11.5					100	MT	NA	X	X	A1-D-12 And 1 FT Of LS 014 And 015
07-013	Pipe To Ell Circ Seam	B9.11.5					100	UT	40812	X	X	A1-D-12 And 1 FT Of LS 014 And 015
07-014	Ell Inside Long Seam	B9.12.5					100	MT	NA	X	X	A1-D-13
07-014	Ell Inside Long Seam	B9.12.5					100	UT	40812	X	X	A1-D-13
07-015	Ell Outside Long Seam	B9.12.6					100	MT	NA	X	X	A1-D-14
07-015	Ell Outside Long Seam	B9.12.6					100	UT	40812	X	X	A1-D-14
07-016	Ell To Pipe Circ Seam	B9.11.6					100	MT	NA	X	X	A1-D-15 And 1 FT Of LS 014 And 015
07-016	Ell To Pipe Circ Seam	B9.11.6					100	UT	40812	X	X	A1-D-15 And 1 FT Of LS 014 And 015
07-017	Pipe To RV Nozz Circ Seam	B9.11.7					100	MT	NA	X	X	Exemption Requested



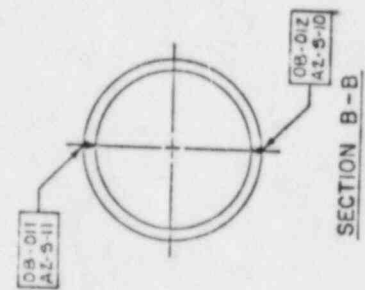
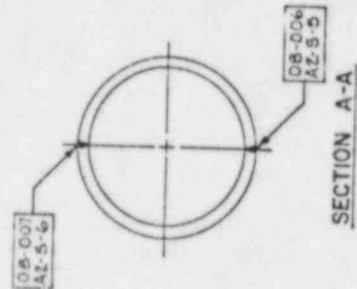
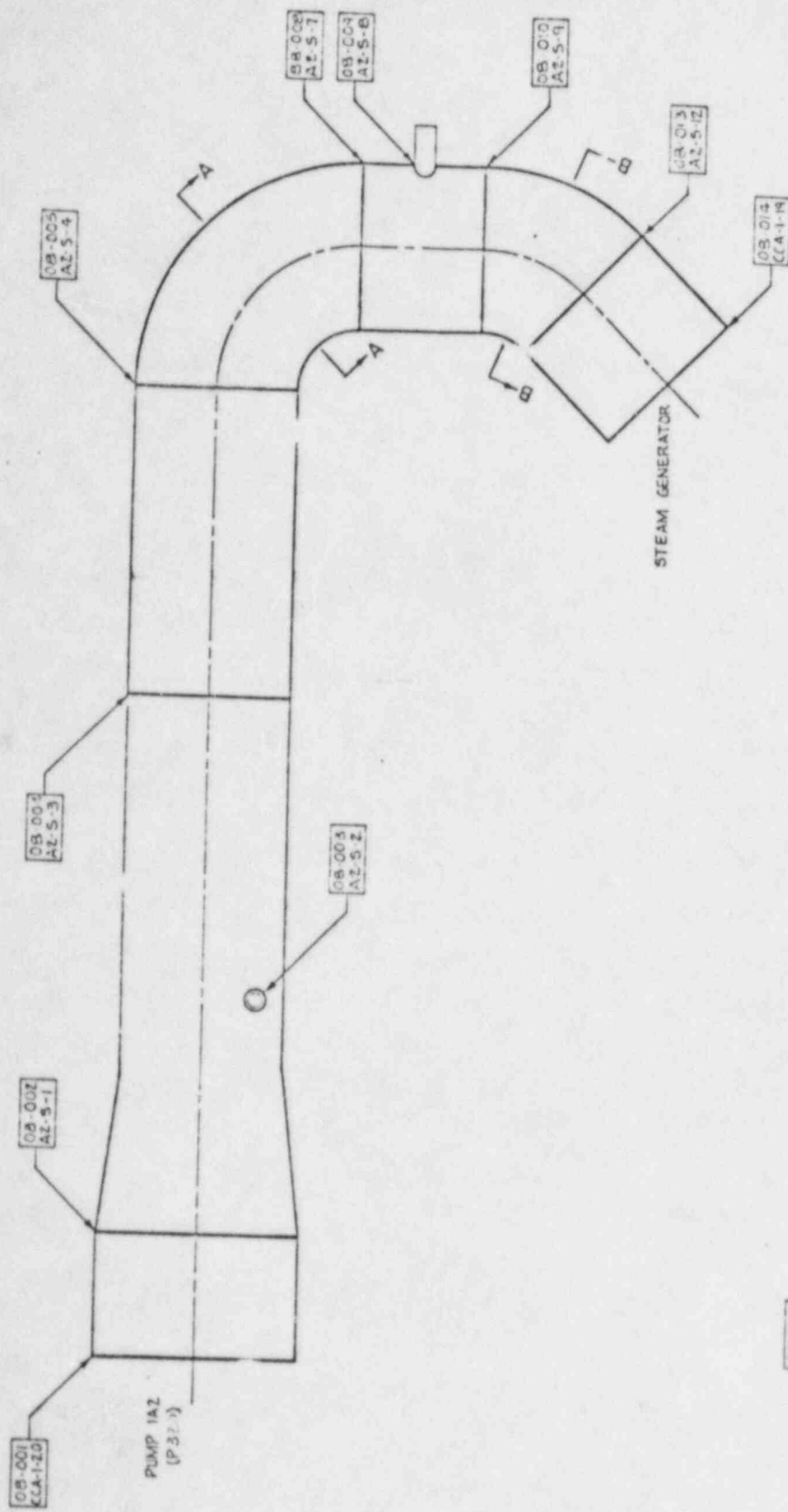
65701 ISI-107



NO	DATE	REVISION	BY	CHKD	APP'D
0		ISSUED PER ISI	RB		

SCALE NONE
 DESIGNED BY CE
 DRAWN BY BRUCE
 ARKANSAS POWER AND LIGHT COMPANY
 ARKANSAS NUCLEAR ONE
 UNIT 1
 IAI DISCHARGE
 FROM PUMP IAI
 TO REACTOR VESSEL
 ZONE - 07
 DRAWING NO. ISI-107
 REV. 0

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
08-001	Pump I A2 To Pipe Circ Seam CS	B9.11.1			H1		100	PT	NA	X	X	X	CCA-1-20
08-001	Pump I A2 To Pipe Circ Seam CS	B9.11.1			H1		100	UT	40812	X	X	X	CCA-1-20
08-002	Pipe To Pipe Circ Seam SE	B5.50.1					100	PT	NA	X	X	X	A2-S-1
08-002	Pipe To Pipe Circ Seam SE	B5.50.1					100	UT	40812	X	X	X	A2-S-1
08-003	Pipe To Nozzle Branch	B5.50.2		9			100	MT	NA	X	X	X	A2-S-2
08-003	Pipe To Nozzle Branch	B5.50.2		9			100	UT	40812	X	X	X	A2-S-2
08-004	Pipe To Pipe Circ Seam	B9.11.2		8			100	MT	NA	X	X	X	A2-S-3
08-004	Pipe To Pipe Circ Seam	B9.11.2		8			100	UT	40812	X	X	X	A2-S-3
08-005	Pipe To Ell Circ Seam	B9.11.3					100	MT	NA	X	X	X	A2-S-4 And 1 FT Of LS 006 And 007
08-005	Pipe To Ell Circ Seam	B9.11.3					100	UT	40812	X	X	X	A2-S-4 And 1 FT Of LS 006 And 007
08-006	Ell Inside Long Seam	B9.12.1					100	MT	NA	X	X	X	A2-S-5
08-006	Ell Inside Long Seam	B9.12.1					100	UT	40812	X	X	X	A2-S-5
08-007	Ell Outside Long Seam	B9.12.2					100	MT	NA	X	X	X	A2-S-6
08-007	Ell Outside Long Seam	B9.12.2					100	UT	40812	X	X	X	A2-S-6
08-008	Ell To Pipe Circ Seam	B9.11.4					100	MT	NA	X	X	X	A2-S-7 And 1 FT Of LS 006 And 007
08-008	Ell To Pipe Circ Seam	B9.11.4					100	UT	40812	X	X	X	A2-S-7 And 1 FT Of LS 006 And 007
08-009	Nozzle To Pipe Branch	B5.50.3		9			100	MT	NA	X	X	X	A2-S-8
08-009	Nozzle To Pipe Branch	B5.50.3		9			100	UT	40812	X	X	X	A2-S-8
08-010	Pipe To Ell Circ Seam	B9.11.5					100	MT	NA	X	X	X	A2-S-9 And 1 FT Of LS 011 And 012
08-010	Pipe To Ell Circ Seam	B9.11.5					100	UT	40812	X	X	X	A2-S-9 And 1 FT Of LS 011 And 012
08-011	Ell Inside Long Seam	B9.12.3					100	MT	NA	X	X	X	A2-S-10
08-011	Ell Inside Long Seam	B9.12.3					100	UT	40812	X	X	X	A2-S-10
08-012	Ell Outside Long Seam	B9.12.4			10		100	MT	NA	X	X	X	A2-S-11
08-012	Ell Outside Long Seam	B9.12.4			10		100	UT	40812	X	X	X	A2-S-11
08-013	Ell To Pipe Circ Seam	B9.11.6					100	MT	NA	X	X	X	A2-S-12 And 1 FT Of LS 011 And 012
08-013	Ell To Pipe Circ Seam	B9.11.6					100	UT	40812	X	X	X	A2-S-12 And 1 FT Of LS 011 And 012
08-014	Pipe To A Stm Gen Circ Seam	B9.11.7					100	MT	NA	X	X	X	CCA-1-19
08-014	Pipe To A Stm Gen Circ Seam	B9.11.7					100	UT	40812	X	X	X	CCA-1-19
08-015	Pressure Retaining Boundary	B15.50		8	9	10	100	VT-2	NA	NA	NA	NA	System Leakage Test
08-016	Pressure Retaining Boundary	B15.51			11		100	VT-2	NA	NA	NA	NA	System Hydro Test



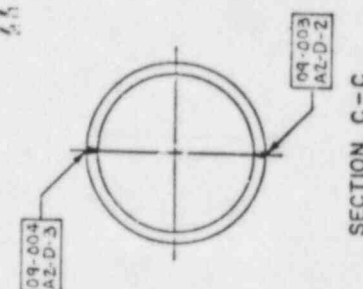
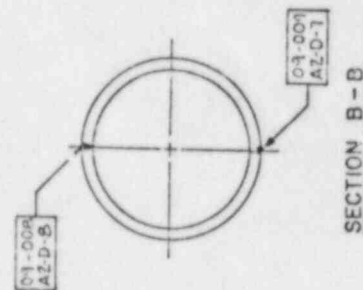
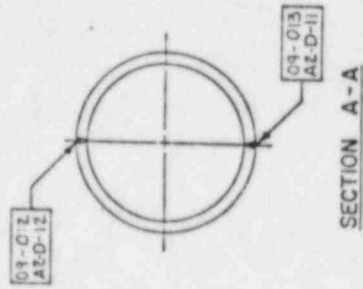
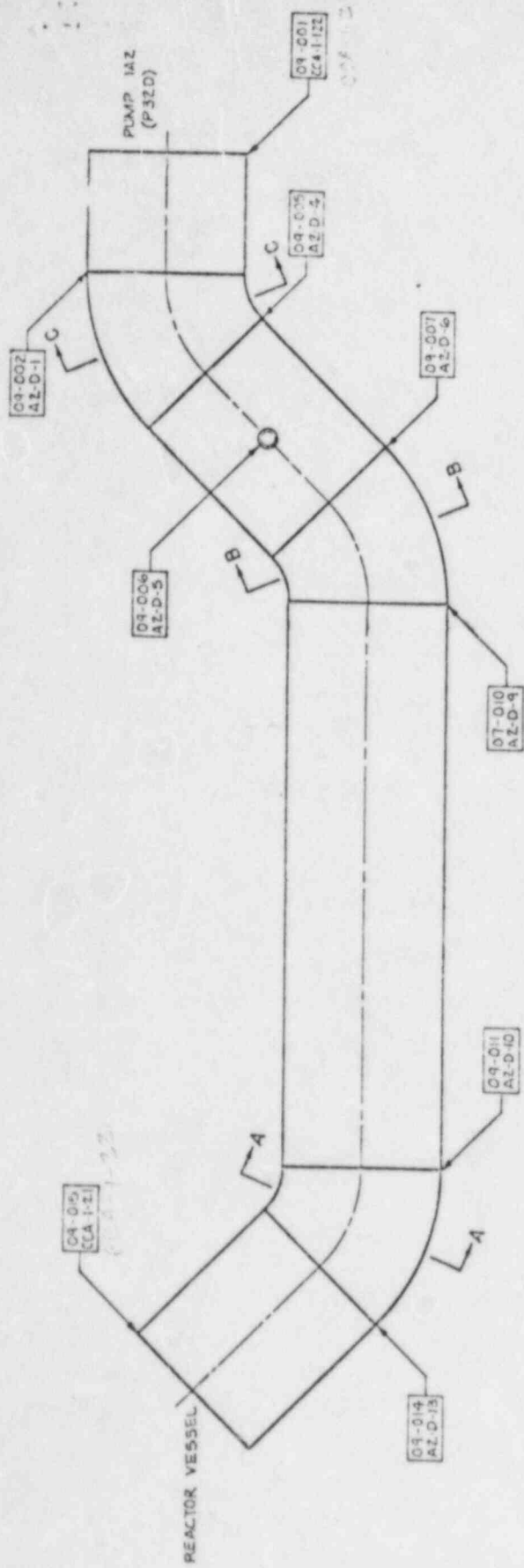
NO	DATE	REV'SION	BY	CHK'D	APP'D
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ISSUED PER ISI
 ARKANSAS POWER AND LIGHT COMPANY
 ARKANSAS NUCLEAR ONE
 UNIT 1
 IAZ SUCTION FROM
 STEAM GENERATOR A
 TO PUMP IAZ
 ZONE - 08

SCALE: NONE DESIGN: CE DRAWN: B. BROCK

DRAWING NO. ISI - 108 REV. 0

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
09-001	Pump 1A2 To Pipe Circ Seam CS	B9.11.1					100	PT	NA	X	X	X	CCA-1-22
09-001	Pump 1A2 To Pipe Circ Seam CS	B9.11.1					100	UT	40812	X	X	X	CCA-1-22
09-002	Pipe To Ell Circ Seam SE	B5.50.1					100	PT	NA	X	X	X	A2-D-1
09-002	Pipe To Ell Circ Seam SE	B5.50.1					100	UT	40812	X	X	X	A2-D-1 And 1 FT Of 003 And 004
09-003	Ell Inside Long Seam	B9.12.1					100	MT	NA	X	X	X	A2-D-2 And 1 FT Of 003 And 004
09-003	Ell Inside Long Seam	B9.12.1					100	UT	40812	X	X	X	A2-D-2
09-004	Ell Outside Long Seam	B9.12.2					100	MT	NA	X	X	X	A2-D-3
09-004	Ell Outside Long Seam	B9.12.2					100	UT	40812	X	X	X	A2-D-3
09-005	Ell To Pipe Circ Seam	B9.11.2					100	MT	NA	X	X	X	A2-D-4 And 1 FT Of 003 And 004
09-005	Ell To Pipe Circ Seam	B9.11.2					100	UT	40812	X	X	X	A2-D-4 And 1 FT Of 003 And 004
09-006	Pipe To Nozzle Branch	B9.31.1			10		100	MT	NA	X	X	X	A2-D-5
09-006	Pipe To Nozzle Branch	B9.31.1			10		100	UT	40812	X	X	X	A2-D-5
09-007	Pipe To Ell Circ Seam	B9.11.3				8	100	MT	NA	X	X	X	A2-D-6 And 1 FT Of 008 And 009
09-007	Pipe To Ell Circ Seam	B9.11.3				8	100	UT	40812	X	X	X	A2-D-6 And 1 FT Of 008 And 009
09-008	Ell Inside Long Seam	B9.12.3			10		100	MT	NA	X	X	X	A2-D-7
09-008	Ell Inside Long Seam	B9.12.3			10		100	UT	40812	X	X	X	A2-D-7
09-009	Ell Outside Long Seam	B9.12.4				11	100	MT	NA	X	X	X	A2-D-8
09-009	Ell Outside Long Seam	B9.12.4				11	100	UT	40812	X	X	X	A2-D-8
09-010	Ell To Pipe Circ Seam	B9.11.4				9	100	MT	NA	X	X	X	A2-D-9 And 1 FT Of 008 And 009
09-010	Ell To Pipe Circ Seam	B9.11.4				9	100	UT	40812	X	X	X	A2-D-9 And 1 FT Of 008 And 009
09-011	Pipe To Ell Circ Seam	B9.11.5					100	MT	NA	X	X	X	A2-D-10 And 1 FT Of 012 And 013
09-011	Pipe To Ell Circ Seam	B9.11.5					100	UT	40812	X	X	X	A2-D-10 And 1 FT Of 012 And 013
09-012	Ell Inside Long Seam	B9.12.5					100	MT	NA	X	X	X	A2-D-11
09-012	Ell Inside Long Seam	B9.12.5					100	UT	40812	X	X	X	A2-D-11
09-013	Ell Outside Long Seam	B9.12.6					100	MT	NA	X	X	X	A2-D-12
09-013	Ell Outside Long Seam	B9.12.6					100	UT	40812	X	X	X	A2-D-12
09-014	Ell To Pipe Circ Seam	B9.11.6					100	MT	NA	X	X	X	A2-D-13 And 1 FT Of 012 And 013
09-014	Ell To Pipe Circ Seam	B9.11.6					100	UT	40812	X	X	X	A2-D-13 And 1 FT Of 012 And 013
09-015	Pipe To RV Nozz Circ Seam	B9.11.7					100	MT	NA	X	X	X	CCA-1-21 Exemption Requested
09-015	Pipe To RV Nozz Circ Seam	B9.11.7					100	UT	40812	X	X	X	CCA-1-21 Exemption Requested
09-016	Pressure Retaining Boundary	B15.50		8	9	10	100	VT-2	NA	NA	NA	NA	System Leakage Test
09-017	Pressure Retaining Boundary	B15.51				11	100	VT-2	NA	NA	NA	NA	System Hydr. Test



NO.	ISSUED PER ISI	BY	DATE	SCALE	NO.	DESIGN	CE	DRY	BOOK
0	1								

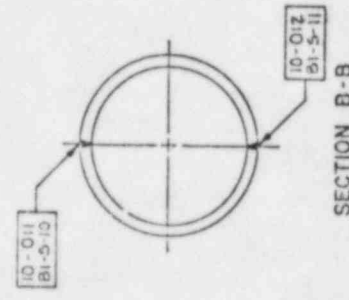
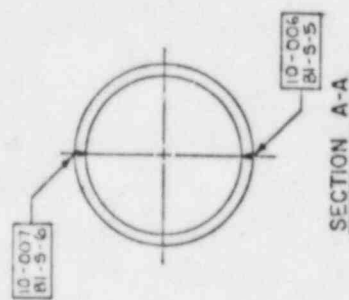
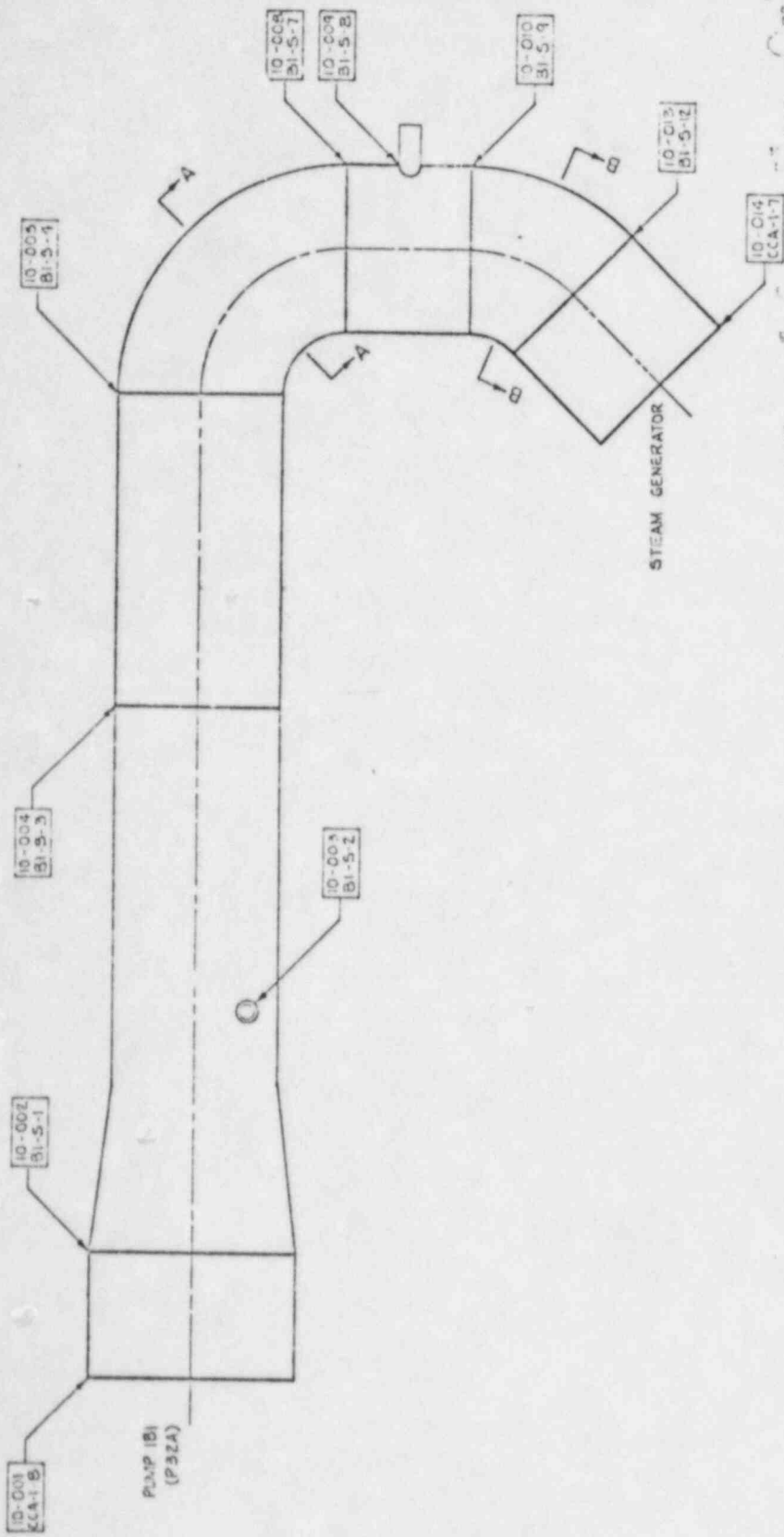
ARKANSAS POWER AND LIGHT COMPANY
ARKANSAS NUCLEAR ONE
UNIT 1

IAZ DISCHARGE
FROM PUMP IAZ
TO REACTOR VESSEL
ZONE - 09

Draw No. 09-109

Arkansas Nuclear One

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4				S	I	
10-001	Pump 1B To Pipe Circ Seam CS	B9.11.1					100	PT	NA	X	X	CCA-1-8
10-001	Pump 1B To Pipe Circ Seam CS	B9.11.1					100	UT	40812	X	X	CCA-1-8
10-002	Pipe To Pipe Circ Seam SE	B5.50.1					100	PT	NA	X	X	B1-S-1
10-002	Pipe To Pipe Circ Seam SE	B5.50.1					100	UT	40812	X	X	B1-S-1
10-003	Pipe To Rte Nozzle Branch DMW	B5.50.2					100	MT	NA	X	X	B1-S-2
10-003	Pipe To Rte Nozzle Branch DMW	B5.50.2					100	UT	40812	X	X	B1-S-2
10-004	Pipe To Pipe Circ Seam	B9.11.2					100	MT	NA	X	X	B1-S-3
10-004	Pipe To Pipe Circ Seam	B9.11.2					100	UT	40812	X	X	B1-S-3
10-005	Pipe To Ell Circ Seam	B9.11.3					100	MT	NA	X	X	B1-S-4 And 1 FT Of 006 And 007
10-005	Pipe To Ell Circ Seam	B9.11.3					100	UT	40812	X	X	B1-S-4 And 1 FT Of 006 And 007
10-006	Ell Inside Long Seam	B9.12.1					100	MT	NA	X	X	B1-S-5
10-006	Ell Inside Long Seam	B9.12.1					100	UT	40812	X	X	B1-S-5
10-007	Ell Outside Long Seam	B9.12.2					100	MT	NA	X	X	B1-S-6
10-007	Ell Outside Long Seam	B9.12.2					100	UT	40812	X	X	B1-S-6
10-008	Ell To Pipe Circ Seam	B9.11.4					100	MT	NA	X	X	B1-S-7 And 1 FT Of 006 And 007
10-008	Ell To Pipe Circ Seam	B9.11.4					100	UT	40812	X	X	B1-S-7 And 1 FT Of 006 And 007
10-009	Pipe To Drain Nozzle Branch	B9.31.1					100	MT	NA	X	X	B1-S-8
10-009	Pipe To Drain Nozzle Branch	B9.31.1					100	UT	40812	X	X	B1-S-8
10-010	Pipe To Ell Circ Seam	B9.11.5					100	MT	NA	X	X	B1-S-9 And 1 FT Of 011 And 012
10-010	Pipe To Ell Circ Seam	B9.11.5					100	UT	40812	X	X	B1-S-9 And 1 FT Of 011 And 012
10-011	Ell Inside Long Seam	B9.12.3					100	MT	NA	X	X	B1-S-10
10-011	Ell Inside Long Seam	B9.12.3					100	UT	40812	X	X	B1-S-10
10-012	Ell Outside Long Seam	B9.12.4					100	MT	NA	X	X	B1-S-11
10-012	Ell Outside Long Seam	B9.12.4					100	UT	40812	X	X	B1-S-11
10-013	Ell To Pipe Circ Seam	B9.11.6					100	MT	NA	X	X	B1-S-12 And 1 FT Of 011 And 012
10-013	Ell To Pipe Circ Seam	B9.11.6					100	UT	40812	X	X	B1-S-12 And 1 FT Of 011 And 012
10-014	Pipe To Stem Gen B Circ Seam	B9.11.7					100	PT	NA	X	X	CCA-1-7
10-014	Pipe To Stem Gen B Circ Seam	B9.11.7					100	UT	40812	X	X	CCA-1-7
10-015	Pressure Retaining Boundary	B15.50					100	VT-2	NA	NA	NA	System Leakage Test
10-016	Pressure Retaining Boundary	B15.51					100	VT-2	NA	NA	NA	System Leakage Test



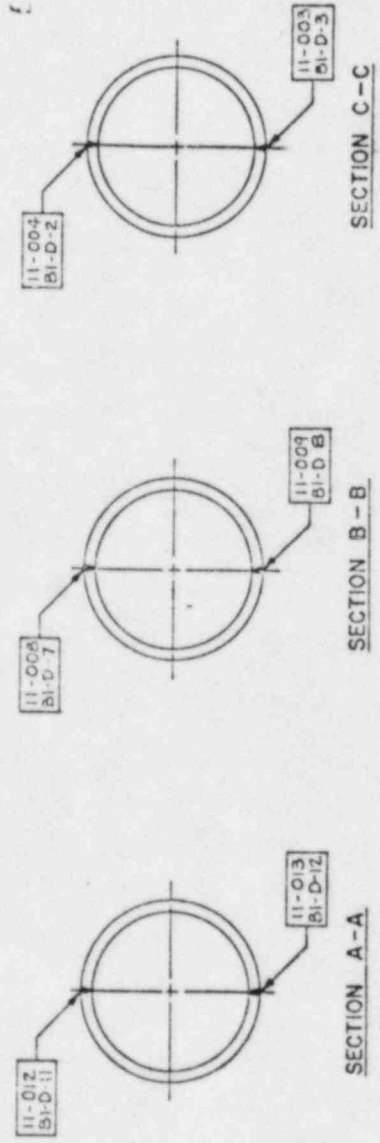
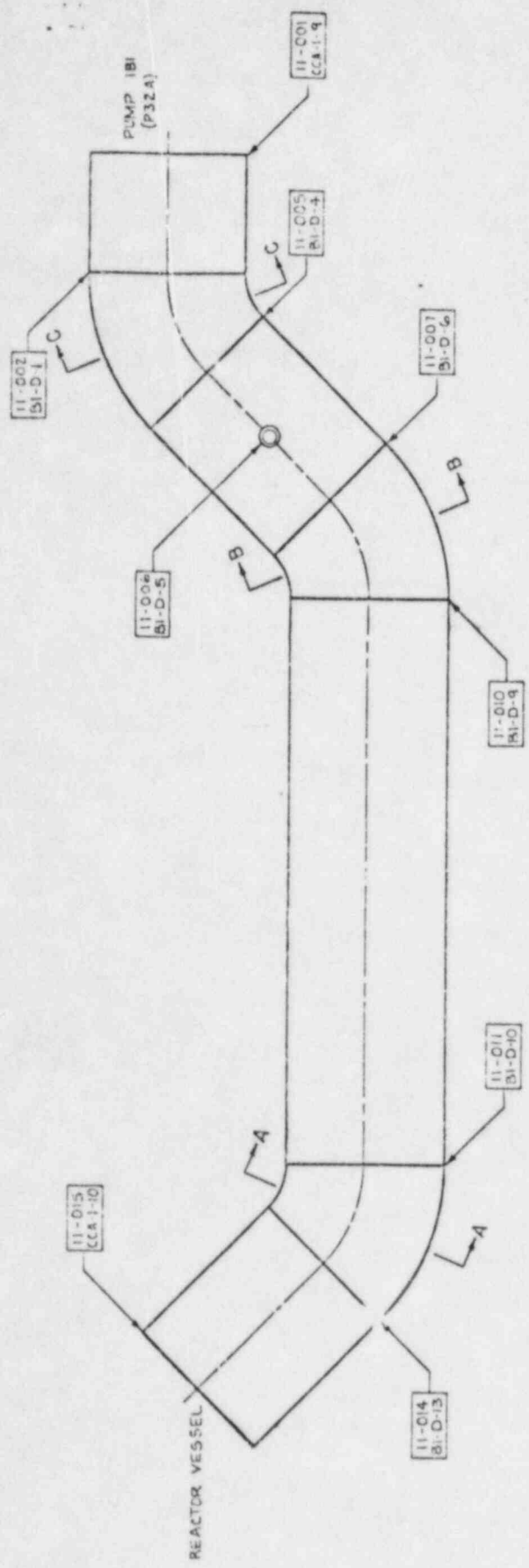
NO.	DATE	REVISION	BY	CHKD.
0		ISSUED PER ISI	BB	BB
SCALE NONE BY JSM/CE DRAWN B. BUCK				
ARKANSAS POWER AND LIGHT COMPANY				
UNIT 1				
IBI SUCTION FROM				
STEAM GENERATOR B				
TO PUMP IBI				
ZONE - 10				
REV.	DATE	BY	CHKD.	APP.

ISI - 110

FORM ENG-011
PROGRAM PLAN AND SCHEDULE
ZONE - 11
COMPONENT DESCRIPTION
REACTOR COOLANT B1 DISCHARGE-COLD LEG

ANO-UNIT-ONE
PIPING PRESSURE BOUNDARY

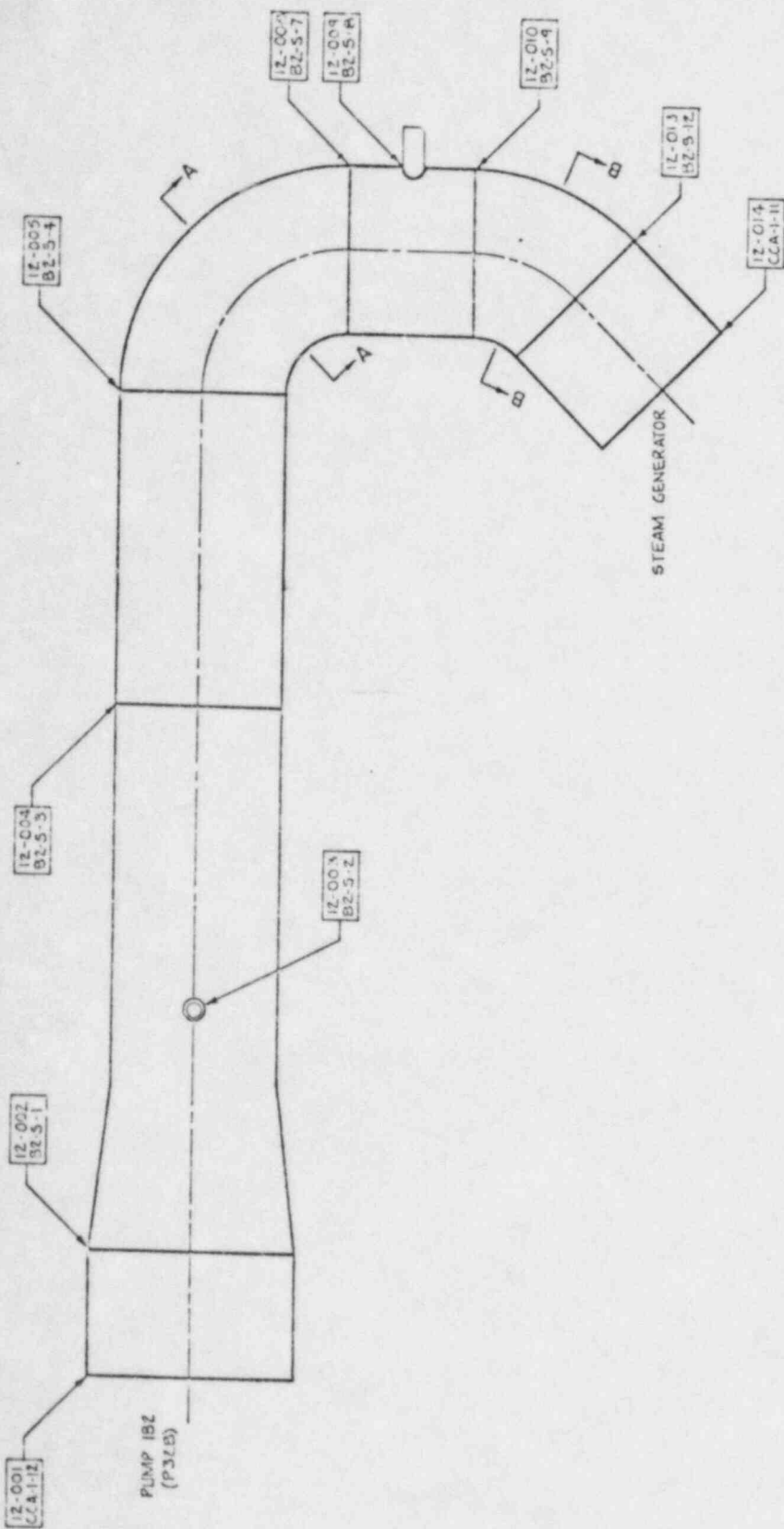
EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WT	
B1-001	Pump 1B To Pipe Circ Seam CS	B9.11.1			B1		100	FT	NA	X	X	X	CCA-1-9
B1-001	Pump 1B To Pipe Circ Seam CS	B9.11.1			B1		100	UT	40812	X	X	X	CCA-1-9
B1-002	Pipe To Ell Circ Seam SE	B5.50.1					100	PT	NA	X	X	X	B1-D-1 And 1 FT Of 003 And 004
B1-002	Pipe To Ell Circ Seam SE	B5.50.1					100	UT	40812	X	X	X	B1-D-1 And 1 FT Of 003 And 004
B1-002	Pipe To Ell Circ Seam SE	B9.12.1					100	MT	NA	X	X	X	B1-D-1
B1-003	Ell Inside Long Seam	B9.12.1					100	UT	40812	X	X	X	B1-D-2
B1-003	Ell Inside Long Seam	B9.12.1					100	MT	NA	X	X	X	B1-D-3
B1-004	Ell Outside Long Seam	B9.12.2					100	UT	40812	X	X	X	B1-D-3
B1-004	Ell Outside Long Seam	B9.12.2					100	MT	NA	X	X	X	B1-D-4 And 1 FT Of 003 And 004
B1-005	Ell To Pipe Circ Seam	B9.11.2					100	UT	40812	X	X	X	B1-D-4 And 1 FT Of 003 And 004
B1-005	Ell To Pipe Circ Seam	B9.11.2					100	PT	NA	X	X	X	B1-D-5
B1-006	Pipe To Rte Nozzle Branch	B9.31.1					100	UT	40812	X	X	X	B1-D-5
B1-006	Pipe To Rte Nozzle Branch	B9.31.1					100	MT	NA	X	X	X	B1-D-6 And 1 FT Of 008 And 009
B1-007	Pipe To Ell Circ Seam	B9.11.3					100	UT	40812	X	X	X	B1-D-6 And 1 FT Of 008 And 009
B1-007	Pipe To Ell Circ Seam	B9.11.3					100	MT	NA	X	X	X	B1-D-7
B1-008	Ell Inside Long Seam	B9.12.3					100	UT	40812	X	X	X	B1-D-7
B1-008	Ell Inside Long Seam	B9.12.3					100	MT	NA	X	X	X	B1-D-8
B1-009	Ell Outside Long Seam	B9.12.4					100	UT	40812	X	X	X	B1-D-9 And 1 FT Of 008 And 009
B1-009	Ell Outside Long Seam	B9.12.4					100	MT	NA	X	X	X	B1-D-9 And 1 FT Of 008 And 009
B1-010	Ell To Pipe Circ Seam	B9.11.4					100	UT	40812	X	X	X	B1-D-10 And 1 FT Of 012 And 013
B1-010	Ell To Pipe Circ Seam	B9.11.4					100	MT	NA	X	X	X	B1-D-10 And 1 FT Of 012 And 013
B1-011	Pipe To Ell Circ Seam	B9.11.5					100	UT	40812	X	X	X	B1-D-10 And 1 FT Of 012 And 013
B1-011	Pipe To Ell Circ Seam	B9.11.5					100	MT	NA	X	X	X	B1-D-11
B1-012	Ell Inside Long Seam	B9.12.5					100	UT	40812	X	X	X	B1-D-11
B1-012	Ell Inside Long Seam	B9.12.5					100	MT	NA	X	X	X	B1-D-12
B1-013	Ell Outside Long Seam	B9.12.6					100	UT	40812	X	X	X	B1-D-13 And 1 FT Of 012 And 013
B1-013	Ell Outside Long Seam	B9.12.6					100	MT	NA	X	X	X	B1-D-13 And 1 FT Of 012 And 013
B1-014	Ell To Pipe Circ Seam	B9.11.6					100	UT	40812	X	X	X	CAA-1-10 Exemption Requested
B1-014	Ell To Pipe Circ Seam	B9.11.6					100	MT	NA	X	X	X	CAA-1-10 Remote During RV Weld Exam Category B-F
B1-015	Pipe To RV Circ Seam	B9.11.7					100	UT	40812	X	X	X	System Leakage Test
B1-015	Pipe To RV Circ Seam	B9.11.7					100	VT-2	NA	NA	NA	NA	System Hydro Test
B1-016	Pressure Retaining Boundary	B15.50		9	10		100	VT-2	NA	NA	NA	NA	
B1-017	Pressure Retaining Boundary	B15.51					100	VT-2	NA	NA	NA	NA	



77
 77
 77

NO.	DATE	ISSUED PER	BY	BY
0		PER 151	32/1/68	
NO.	DATE	REVISION	BY	BY
SCALE	NO.	DESIGN	CE	DRYAN & BRUCE
ARKANSAS POWER AND LIGHT COMPANY ARKANSAS NUCLEAR ONE UNIT 1				
IBI DISCHARGE FROM PUMP IBI TO REACTOR VESSEL ZONE - II				
DESIGN NO.	ISI - III			
REV.	0			

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
12-001	Pump To Pipe Circ Seam	B9.11.1					100	PT	NA	X	X	X	CCA-1-12
12-001	Pump To Pipe Circ Seam	B9.11.1					100	UT	40812	X	X	X	CCA-1-12
12-002	Pipe To Pipe Circ Seam SE	B5.50.1					100	MT	NA	X	X	X	E2-S-1
12-002	Pipe To Pipe Circ Seam SE	B5.50.1					100	UT	40812	X	X	X	B2-S-1
12-003	Pipe To Rte Nozzle Branch DMW	B5.50.2	8				100	MT	NA	X	X	X	B2-S-2
12-003	Pipe To Rte Nozzle Branch DMW	B5.50.2	8				100	UT	40812	X	X	X	B2-S-2
12-004	Pipe To Pipe Circ Seam	B9.11.2					100	MT	NA	X	X	X	B2-S-3
12-004	Pipe To Pipe Circ Seam	B9.11.2					100	UT	40812	X	X	X	B2-S-3
12-005	Pipe To Ell Circ Seam	B9.11.3					100	MT	NA	X	X	X	B2-S-4 And 1 FT Of 006 And 007
12-005	Pipe To Ell Circ Seam	B9.11.3					100	UT	40812	X	X	X	B2-S-4 And 1 FT Of 006 And 007
12-006	Ell Inside Long Seam	B9.12.1					100	MT	NA	X	X	X	B2-S-5
12-006	Ell Inside Long Seam	B9.12.1					100	UT	40812	X	X	X	B2-S-5
12-007	Ell Outside Long Seam	B9.12.2					100	MT	NA	X	X	X	B2-S-6
12-007	Ell Outside Long Seam	B9.12.2					100	UT	40812	X	X	X	B2-S-6
12-008	Ell To Pipe Circ Seam	B9.11.4		9			100	MT	NA	X	X	X	B2-S-7 And 1 FT Of 006 And 007
12-008	Ell To Pipe Circ Seam	B9.11.4		9			100	UT	40812	X	X	X	B2-S-7 And 1 FT Of 006 And 007
12-009	Pipe To Drain Nozz Branch DMW	B5.50.3	8				100	MT	NA	X	X	X	B2-S-8
12-009	Pipe To Drain Nozz Branch DMW	B5.50.3	8				100	UT	40812	X	X	X	B2-S-8
12-010	Pipe To Ell Circ Seam	B9.11.5			10		100	MT	NA	X	X	X	B2-S-9 And 1 FT Of 011 And 012
12-010	Pipe To Ell Circ Seam	B9.11.5			10		100	UT	40812	X	X	X	B2-S-9 And 1 FT Of 011 And 012
12-011	Ell Inside Long Seam	B9.12.3					100	MT	NA	X	X	X	B2-S-10
12-011	Ell Inside Long Seam	B9.12.3					100	UT	40812	X	X	X	B2-S-10
12-012	Ell Outside Long Seam	B9.12.4			11		100	MT	NA	X	X	X	B2-S-11
12-012	Ell Outside Long Seam	B9.12.4			11		100	UT	40812	X	X	X	B2-S-11
12-013	Ell To Pipe Circ Seam	B9.11.6					100	MT	NA	X	X	X	B2-S-12 And 1 FT Of 011 And 012
12-013	Ell To Pipe Circ Seam	B9.11.6					100	UT	40812	X	X	X	B2-S-12 And 1 FT Of 011 And 012
12-014	Pipe To Stm Gen 2B Circ Seam	B9.11.7					100	MT	NA	X	X	X	CCA-1-11
12-014	Pipe To Stm Gen 2B Circ Seam	B9.11.7					100	UT	40812	X	X	X	CCA-1-11
12-015	Pressure Retaining Boundary	B15.50	8	9	10		100	VT-2	NA	NA	NA	NA	System Leakage Test
12-015	Pressure Retaining Boundary	B15.50	8	9	10		100	VT-2	NA	NA	NA	NA	System Hydro Test
12-016	Pressure Retaining Boundary	B15.51					100	VT-2	NA	NA	NA	NA	



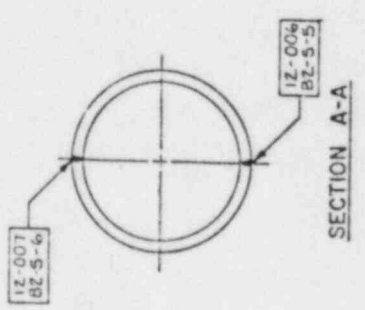
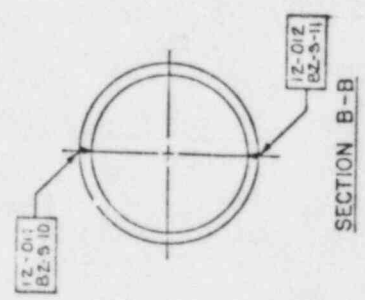
ARKANSAS POWER AND LIGHT COMPANY

NO.	DATE	BY	SCALE	NAME	DESIGN	CE	DRYAN	B	WEDGE
0	9/20/51	BB							

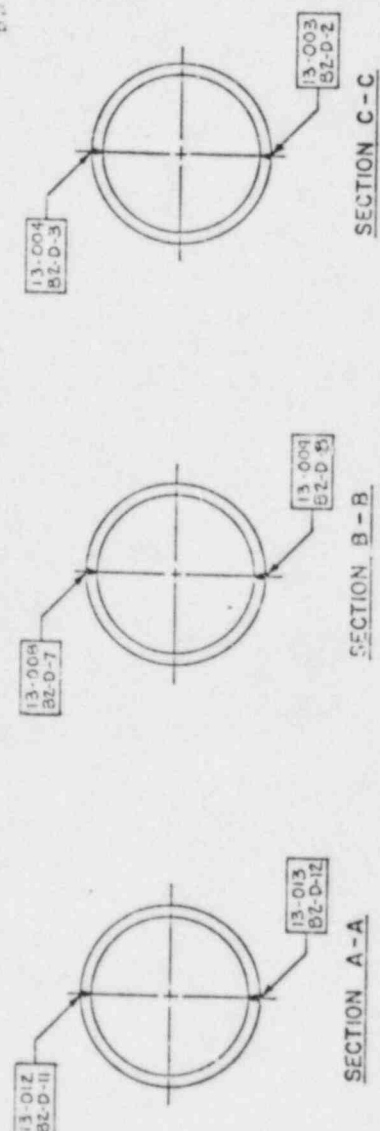
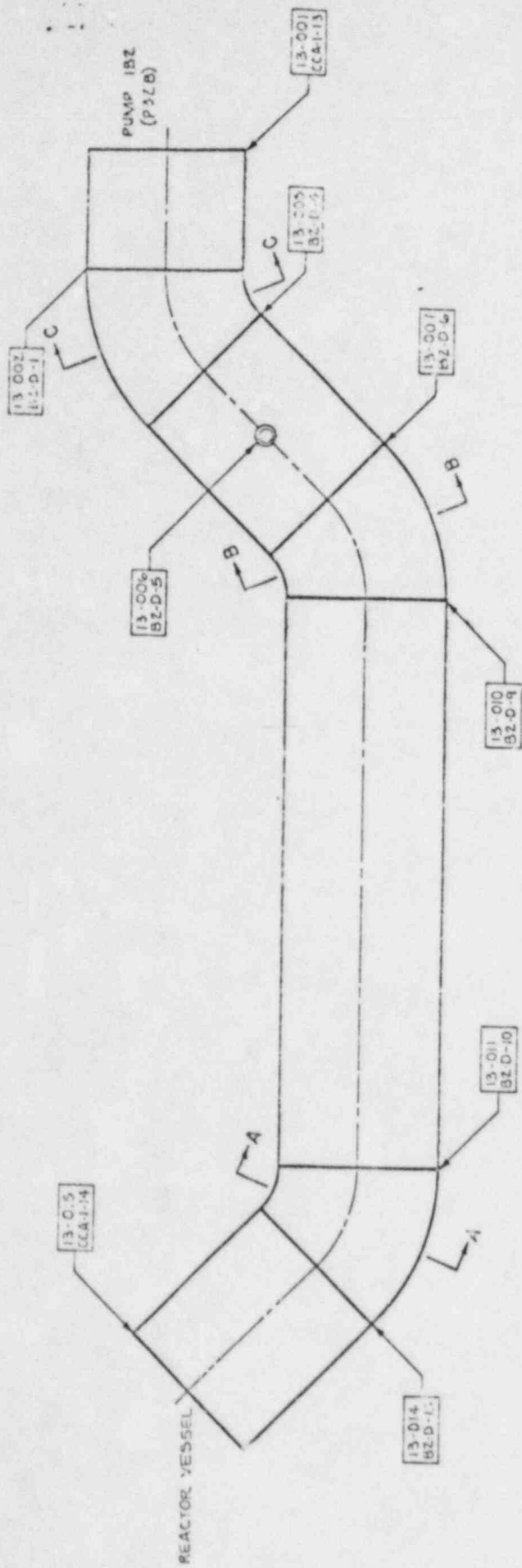
ISSUED PER ISI
 ARKANSAS POWER AND LIGHT COMPANY
 ARKANSAS NUCLEAR ONE
 UNIT 1

IB2 SUCTION FROM
 STEAM GENERATOR B
 TO PUMP IB2
 ZONE - 12

DATE NO
 12-112
 REV. 0



EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4			S	I	WP	
13-001	Pump B2 To Pipe Circ Seam CS	B9.11.1					100	NA	X	X	X	CCA-1-13
13-001	Pump B2 To Pipe Circ Seam CS	B9.11.1					100	40812	X	X	X	CCA-1-13
13-002	Pipe To Ell Circ Seam SE	B5.50.1		9			100	NA	X	X	X	B2-D-1 And 1 FT Of 003 And 004
13-002	Pipe To Ell Circ Seam SE	B5.50.1		9			100	40812	X	X	X	B2-D-1 And 1 FT Of 003 And 004
13-003	Ell Inside Long Seam	B9.12.1			11		100	NA	X	X	X	B2-D-2
13-003	Ell Inside Long Seam	B9.12.1			11		100	40812	X	X	X	B2-D-2
13-004	Ell Outside Long Seam	B9.12.2			10		100	NA	X	X	X	B2-D-3
13-004	Ell Outside Long Seam	B9.12.2			10		100	40812	X	X	X	B2-D-3
13-005	Ell To Pipe Circ Seam	B9.11.2					100	NA	X	X	X	B2-D-4 And 1 FT Of 003 And 004
13-005	Ell To Pipe Circ Seam	B9.11.2					100	40812	X	X	X	B2-D-4 And 1 FT Of 003 And 004
13-006	Nozzle To Pipe Branch	B9.31.1					100	NA	X	X	X	B2-D-5
13-006	Nozzle To Pipe Branch	B9.31.1					100	40812	X	X	X	B2-D-5
13-007	Pipe To Ell Circ Seam	B9.11.3					100	NA	X	X	X	B2-D-6 And 1 FT Of 008 And 009
13-007	Pipe To Ell Circ Seam	B9.11.3					100	40812	X	X	X	B2-D-6 And 1 FT Of 008 And 009
13-007	Pipe To Ell Circ Seam	B9.11.3					100	NA	X	X	X	B2-D-7
13-008	Ell Inside Long Seam	B9.12.3					100	40812	X	X	X	B2-D-7
13-008	Ell Inside Long Seam	B9.12.3					100	NA	X	X	X	B2-D-8
13-009	Ell Outside Long Seam	B9.12.4					100	40812	X	X	X	B2-D-8
13-009	Ell Outside Long Seam	B9.12.4					100	NA	X	X	X	B2-D-9 And 1 FT Of 008 And 009
13-010	Ell To Pipe Circ Seam	B9.11.4					100	40812	X	X	X	B2-D-9 And 1 FT Of 008 And 009
13-010	Ell To Pipe Circ Seam	B9.11.4					100	NA	X	X	X	B2-D-10 And 1 FT Of 012 And 013
13-011	Pipe To Ell Circ Seam	B9.11.5					100	40812	X	X	X	B2-D-10 And 1 FT Of 012 And 013
13-011	Pipe To Ell Circ Seam	B9.11.5					100	NA	X	X	X	B2-D-11
13-012	Ell Inside Long Seam	B9.12.5					100	40812	X	X	X	B2-D-11
13-012	Ell Inside Long Seam	B9.12.5					100	NA	X	X	X	B2-D-12
13-013	Ell Outside Long Seam	B9.12.6					100	40812	X	X	X	B2-D-12
13-013	Ell Outside Long Seam	B9.12.6					100	NA	X	X	X	B2-D-13 And 1 FT Of 012 And 013
13-014	Ell To Pipe Circ Seam	B9.11.6		8			100	40812	X	X	X	B2-D-13 And 1 FT Of 012 And 013
13-014	Ell To Pipe Circ Seam	B9.11.6		8			100	NA	X	X	X	CCA-1-14 Exemption Requested
13-015	Pipe To RV Nozzle Circ Seam	B9.11.7		7			100	40812	X	X	X	CCA-1-14 Remote During RV Weld Exam Category B-D
13-015	Pipe To RV Nozzle Circ Seam	B9.11.7		7			100	NA	NA	NA	NA	System Leakage Test
13-016	Pressure Retaining Boundary	B15.50		8	9	10	100	NA	NA	NA	NA	System Hydro Test
13-017	Pressure Retaining Boundary	B15.51			11		100	NA	NA	NA	NA	System Hydro Test



NO.	ISSUED PER	REVISION	BY	DATE
0	151			28/1/51

SCALE NONE DESIGN CC CHECKED BY B. BOCK

ARKANSAS POWER AND LIGHT COMPANY
ARKANSAS NUCLEAR ONE
UNIT 1

IB2 DISCHARGE LINE
FROM PUMP 1B2
TO REACTOR VESSEL
ZONE - 13

DRAW NO 83

ISI - 113

Arkansas Power and Light Company

PROGRAM PLAN AND SCHEDULE

ZONE- 14

COMPONENT DESCRIPTION

A REACTOR COOLANT-HOT LEG

FORM ENG-011

ANO-UNIT-ONE

PIPING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	TREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
14-001	Stm Gen A To Pipe Circ Seam	89.11.1					100	PT	NA	X	X	X	CCA-1-4
14-001	Stm Gen A To Pipe Circ Seam	89.11.1					100	UT	40812	X	X	X	CCA-1-4
14-002	Pipe To Ell Circ Seam	89.11.2					100	MT	NA	X	X	X	AH-1 And 1 FT Of 003 And 004
14-002	Pipe To Ell Circ Seam	89.11.2					100	UT	40812	X	X	X	AH-1 And 1 FT Of 003 And 004
14-003	Ell Inside Long Seam	89.12.1					100	MT	NA	X	X	X	AH-2
14-003	Ell Inside Long Seam	89.12.1					100	UT	40812	X	X	X	AH-2
14-004	Ell Outside Long Seam	89.12.2					100	MT	NA	X	X	X	AH-3
14-004	Ell Outside Long Seam	89.12.2					100	UT	40812	X	X	X	AH-3
14-005	Pipe To Nozzle Branch DMW	85.50.1					100	PT	NA	X	X	X	AH-4
14-005	Pipe To Nozzle Branch DMW	85.50.1					100	UT	40812	X	X	X	AH-4
14-006	Ell To Ell Circ Seam	89.11.3					100	MT	NA	X	X	X	AH-5 And 1 FT Of 003 And 004-007 And 008
14-006	Ell To Ell Circ Seam	89.11.3					100	UT	40812	X	X	X	AH-5 And 1 FT Of 003 And 004-007 And 008
14-007	Ell Inside Long Seam	89.12.3					100	MT	NA	X	X	X	AH-6
14-007	Ell Inside Long Seam	89.12.3					100	UT	40812	X	X	X	AH-6
14-008	Ell Outside Long Seam	89.12.4					100	MT	NA	X	X	X	AH-7
14-008	Ell Outside Long Seam	89.12.4					100	UT	40812	X	X	X	AH-7
14-009	Ell To Pipe Circ Seam	89.11.4					100	MT	NA	X	X	X	AH-8 And 1 FT Of 007 And 008
14-009	Ell To Pipe Circ Seam	89.11.4					100	UT	40812	X	X	X	AH-8 And 1 FT Of 007 And 008
14-010	Pipe To Nozzle Branch DMW	85.50.2					100	PT	NA	X	X	X	AH-9
14-010	Pipe To Nozzle Branch DMW	85.50.2					100	UT	40812	X	X	X	AH-9
14-011	Pipe To Nozzle Branch DMW	85.50.3					100	MT	NA	X	X	X	AH-10
14-011	Pipe To Nozzle Branch DMW	85.50.3					100	UT	40812	X	X	X	AH-10
14-012	Pipe To Nozzle Branch DMW	85.50.4					100	MT	NA	X	X	X	AH-11
14-012	Pipe To Nozzle Branch DMW	85.50.4					100	UT	40812	X	X	X	AH-11
14-013	Pipe To Nozzle Branch DMW	85.50.5					100	MT	NA	X	X	X	AH-12
14-013	Pipe To Nozzle Branch DMW	85.50.5					100	UT	40812	X	X	X	AH-12
14-014	Pipe To Pipe Circ Seam	89.11.5					100	MT	NA	X	X	X	AH-13
14-014	Pipe To Pipe Circ Seam	89.11.5					100	UT	40812	X	X	X	AH-13
14-015	Pipe To Pipe Circ Seam	89.11.6					100	MT	NA	X	X	X	AH-14
14-015	Pipe To Pipe Circ Seam	89.11.6					100	UT	40812	X	X	X	AH-14
14-016	Pipe To Nozzle Branch DMW	85.50.6					100	MT	NA	X	X	X	AH-15
14-016	Pipe To Nozzle Branch DMW	85.50.6					100	UT	40812	X	X	X	AH-15
14-017	Pipe To Nozzle Branch DMW	85.50.7					100	MT	NA	X	X	X	AH-16
14-017	Pipe To Nozzle Branch DMW	85.50.7					100	UT	40812	X	X	X	AH-16

PROGRAM PLAN AND SCHEDULE

ZONE- 14

COMPONENT DESCRIPTION

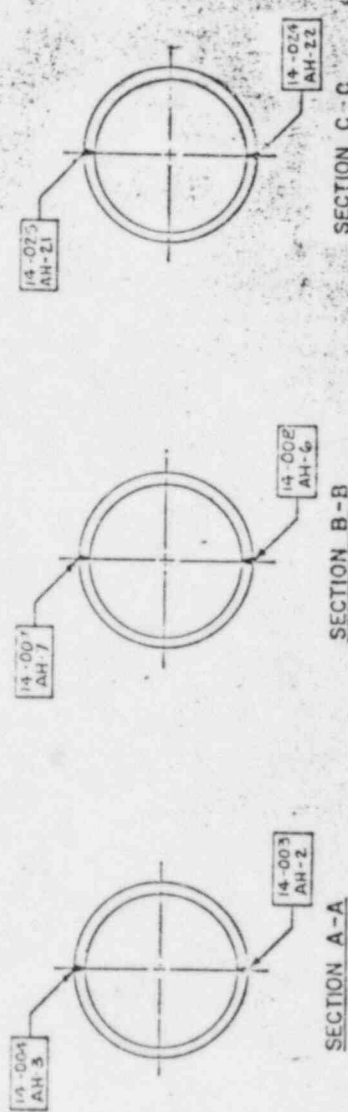
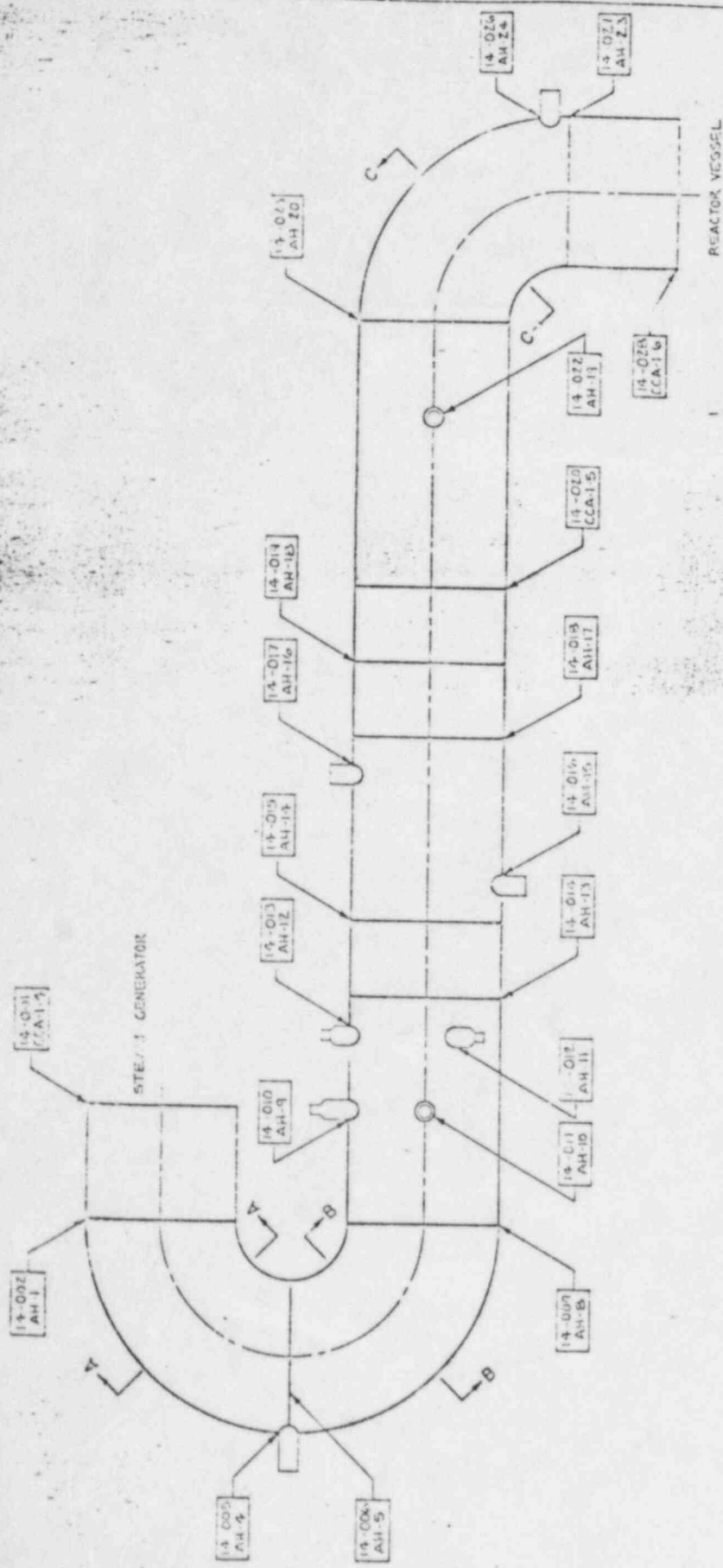
A REACTOR COOLANT-HOT LEG

FORM ENG-011

ANO-UNIT-ONE

PIPING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4				S	I	
14-017	Pipe To Nozzle Branch DMW	B5.50.7	8				100	UT	40812	X	X	AH-16
14-018	Pipe To Pipe Circ Seam	B9.11.7	8				100	MT	NA	X	X	AH-17
14-018	Pipe To Pipe Circ Seam	B9.11.7	8				100	UT	40812	X	X	AH-17
14-019	Pipe To Pipe Circ Seam	B9.11.8			11		100	MT	NA	X	X	AH-18
14-019	Pipe To Pipe Circ Seam	B9.11.8			11		100	UT	40812	X	X	AH-18
14-020	Pipe To Pipe Circ Seam	B9.11.9			11		100	MT	NA	X	X	CCA-1-5
14-020	Pipe To Pipe Circ Seam	B9.11.9			11		100	UT	40812	X	X	CCA-1-5
14-021	Pipe To Pipe Circ Seam	B9.11.10					100	MT	NA	X	X	
14-021	Pipe To Pipe Circ Seam	B9.11.10					100	UT	40812	X	X	
14-022	Pipe To Nozzle Branch	B9.31.1					100	PT	NA	X	X	AH-19
14-022	Pipe To Nozzle Branch	B9.31.1					100	UT	40812	X	X	AH-19
14-023	Pipe To Ell Circ Seam	B9.11.11					100	MT	NA	X	X	AH-20 And 1 FT Of 024 And 025
14-023	Pipe To Ell Circ Seam	B9.11.11					100	UT	40812	X	X	AH-20 And 1 FT Of 024 And 025
14-024	Ell Inside Long Seam	B9.12.5					100	MI	NA	X	X	AH-21
14-024	Ell Inside Long Seam	B9.12.5					100	UT	40812	X	X	AH-21
14-025	Ell Outside Long Seam	B9.12.6					100	MT	NA	X	X	AH-22
14-025	Ell Outside Long Seam	B9.12.6					100	UT	40812	X	X	AH-22
14-026	Pipe To Nozzle Branch	B9.31.2	7				100	PT	NA	X	X	AH-23
14-026	Pipe To Nozzle Branch	B9.31.2	7				100	UT	40812	X	X	AH-23
14-027	Ell To Pipe Circ Seam	B9.11.12					100	MT	NA	X	X	AH-24 And 1 FT Of 024 And 025
14-027	Ell To Pipe Circ Seam	B9.11.12					100	UT	40812	X	X	AH-24 And 1 FT Of 024 And 025
14-027	Ell To Pipe Circ Seam	B9.11.13					100	MT	NA	X	X	CCA-1-6 Exemption Requested
14-027	Ell To Pipe Circ Seam	B9.11.13					100	UT	40812	X	X	CCA-1-6 Exemption Requested
14-028	Pipe To RV Nozzle Circ Seam	B9.11.13					100	UT	40812	X	X	CCA-1-6 Remote During RV Weld Exam Category B-D
14-029	Pressure Retaining Boundary	B15.50	7	9	10		100	VT-2	NA	NA	NA	System Leakage Test
14-030	Pressure Retaining Boundary	B15.51			11		100	VT-2	NA	NA	NA	System Hydro Test



NO.	DATE	REVISION	BY	CHKD.
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SCALE: NONE TO 1/4" = 1'-0"

1 ARKANSAS POWER AND LIGHT COMPANY
2 KANSAS NUCLEAR ONE
UNIT 1

A HOT LEG FROM
REACTOR VESSEL TO
STEAM GENERATOR 1
ZONE 14

DATE NO. 13

ISI-114

1

FORM ENG-011

ANO-UNIT-ONE

PIPING PRESSURE BOUNDARY

PROGRAM PLAN AND SCHEDULE

ZONE - 15

COMPONENT DESCRIPTION

E REACTOR COOLANT-HOT LEG

REVISED 12/01/83

PAGE - 1 of 2

CLASS - 1

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4				S	I WP	
5-001	Stm Gen To Pipe Circ Seam	89.11.1					100	PT	NA	X	X	CCA-1-1
5-001	Stm Gen To Pipe Circ Seam	89.11.1					100	UT	40812	X	X	CCA-1-1
5-002	Pipe To Ell Circ Seam	89.11.2					100	MT	NA	X	X	BH-1 And 1 FT Of 003 And 004
5-002	Pipe To Ell Circ Seam	89.11.2					100	UT	40812	X	X	BH-1 And 1 FT Of 003 And 004
5-003	Ell Inside Long Seam	89.12.1					100	UT	40812	X	X	BH-2
5-003	Ell Inside Long Seam	89.12.1					100	MT	NA	X	X	BH-2
5-004	Ell Outside Long Seam	89.12.2					100	UT	40812	X	X	BH-3
5-004	Ell Outside Long Seam	89.12.2					100	MT	NA	X	X	BH-3
5-005	Pipe To Nozzle Branch DMW	85.50.1					100	PT	NA	X	X	BH-5
5-005	Pipe To Nozzle Branch DMW	85.50.1					100	UT	40812	X	X	BH-5
5-006	Ell To Ell Circ Seam	89.11.3					100	MT	NA	X	X	And 1 FT Of 003 And 004 And 006 And 007
5-006	Ell To Ell Circ Seam	89.11.3					100	UT	40812	X	X	And 1 FT Of 003 And 004 And 006 And 007
5-007	Ell Inside Long Seam	89.12.3					100	MT	NA	X	X	BH-6
5-007	Ell Inside Long Seam	89.12.3					100	UT	40812	X	X	BH-6
5-008	Ell Outside Long Seam	89.12.4					100	MT	NA	X	X	BH-7
5-008	Ell Outside Long Seam	89.12.4					100	UT	40812	X	X	BH-7
5-009	Ell To Pipe Circ Seam	89.11.4					100	MT	NA	X	X	BH-8 And 1 FT Of 006 And 007
5-009	Ell To Pipe Circ Seam	89.11.4					100	UT	40812	X	X	BH-8 And 1 FT Of 006 And 007
5-010	Pipe To Nozzle Branch DMW	85.50.2					100	PT	NA	X	X	BH-9
5-010	Pipe To Nozzle Branch DMW	85.50.2					100	UT	40812	X	X	BH-9
5-011	Pipe To Nozzle Branch DMW	85.50.3					100	PT	NA	X	X	BH-10
5-011	Pipe To Nozzle Branch DMW	85.50.3					100	UT	40812	X	X	BH-10
5-012	Pipe To Rte Nozzle Branch DMW	85.50.4					100	PT	NA	X	X	BH-11
5-012	Pipe To Rte Nozzle Branch DMW	85.50.4					100	UT	40812	X	X	BH-11
5-013	Pipe To Rte Nozzle Branch DMW	85.50.5					100	PT	NA	X	X	BH-12
5-013	Pipe To Rte Nozzle Branch DMW	85.50.5					100	UT	40812	X	X	BH-12
5-014	Pipe To Pipe Circ Seam	89.11.5					100	MT	NA	X	X	BH-13
5-014	Pipe To Pipe Circ Seam	89.11.5					100	UT	40812	X	X	BH-13
5-015	Pipe To Pipe Circ Seam	89.11.6					100	MT	NA	X	X	BH-15
5-015	Pipe To Pipe Circ Seam	89.11.6					100	UT	40812	X	X	BH-15
5-016	Pipe To Nozzle Branch DMW	85.50.6					100	PT	NA	X	X	BH-15
5-016	Pipe To Nozzle Branch DMW	85.50.6					100	UT	40812	X	X	BH-15
5-017	Pipe To Nozzle Branch DMW	85.50.7					100	PT	NA	X	X	BH-16
5-017	Pipe To Nozzle Branch DMW	85.50.7					100	UT	40812	X	X	BH-16

PROGRAM PLAN AND SCHEDULE

FORM ENG-011

ANO-UNIT-ONE

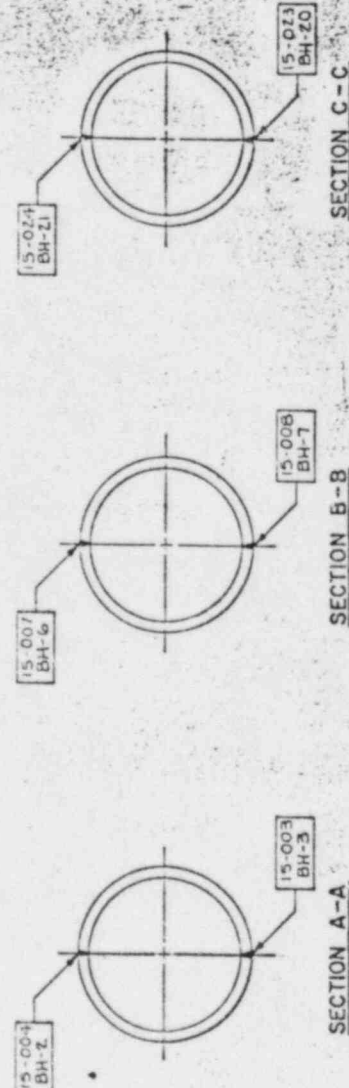
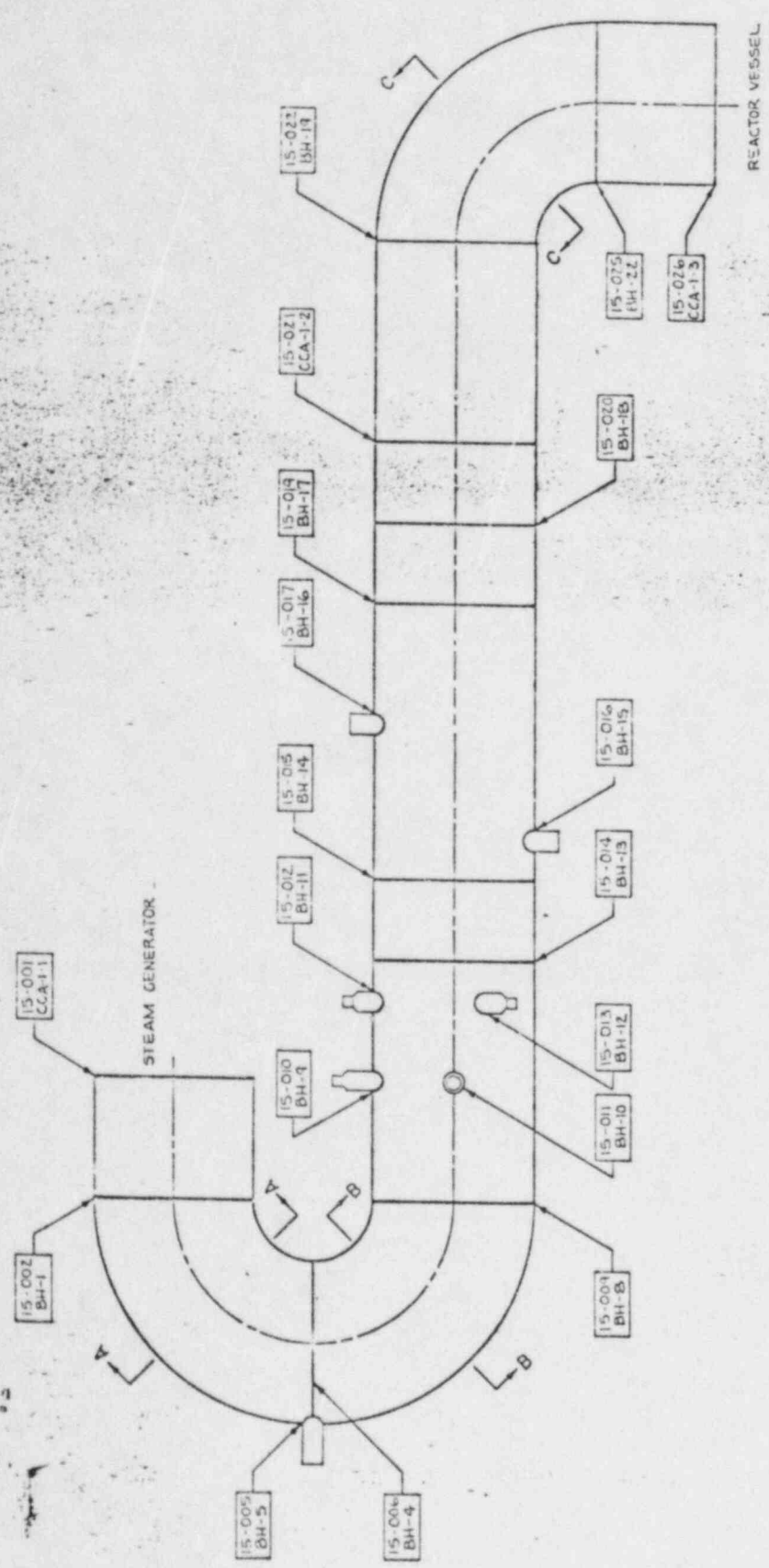
PIPING PRESSURE BOUNDARY

ZONE - 15

COMPONENT DESCRIPTION

B REACTOR COOLANT-HOT LEG

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
B5-017	Pipe To Nozzle Branch DMW	B5.50.7					100	UT	40812	X	X	X	BH-16
B5-018	Pipe To Pipe Circ Seam	B9.11.7					100	MT	NA	X	X	X	
B5-019	Pipe To Pipe Circ Seam	B9.11.7					100	UT	40812	X	X	X	
B5-019	Pipe To Pipe Circ Seam	B9.11.8					100	MT	NA	X	X	X	BH-17
B5-019	Pipe To Pipe Circ Seam	B9.11.8					100	UT	40812	X	X	X	BH-17
B5-020	Pipe To Pipe Circ Seam	B9.11.9					100	MT	NA	X	X	X	BH-18
B5-020	Pipe To Pipe Circ Seam	B9.11.9					100	UT	40812	X	X	X	BH-18
B5-021	Pipe To Pipe Circ Seam	B9.11.10					100	MT	NA	X	X	X	CCA-1-2
B5-021	Pipe To Pipe Circ Seam	B9.11.10					100	UT	40812	X	X	X	CCA-1-2
B5-022	Pipe To Ell Circ Seam	B9.11.11					100	MT	NA	X	X	X	BH-19 And 1 FT OF 023 And 024
B5-022	Pipe To Ell Circ Seam	B9.11.11					100	UT	40812	X	X	X	BH-19 And 1 FT OF 023 And 024
B5-023	Pipe To Ell Circ Seam	B9.11.11					100	MT	NA	X	X	X	BH-20
B5-023	Pipe To Ell Circ Seam	B9.11.11					100	UT	40812	X	X	X	BH-20
B5-024	Ell Inside Long Seam	B9.12.5					100	MT	NA	X	X	X	BH-21
B5-024	Ell Inside Long Seam	B9.12.5					100	UT	40812	X	X	X	BH-21
B5-025	Ell Outside Long Seam	B9.12.6					100	MT	NA	X	X	X	BH-22 And 1 FT OF 023 And 024
B5-025	Ell Outside Long Seam	B9.12.6					100	UT	40812	X	X	X	BH-22 And 1 FT OF 023 And 024
B5-025	Ell To Pipe Circ Seam	B9.11.12					100	MT	NA	X	X	X	CCA-1-3 Exemption Requested
B5-025	Ell To Pipe Circ Seam	B9.11.12					100	UT	40812	X	X	X	CCA-1-3 Exemption Requested
B5-026	Pipe To RV Nozzle Circ Seam	B9.11.13					100	MT	NA	X	X	X	CCA-1-3 Remote During RV Weld Exams Category B-D
B5-026	Pipe To RV Nozzle Circ Seam	B9.11.13					100	UT	40812	X	X	X	CCA-1-3 Remote During RV Weld Exams Category B-D
B5-027	Pressure Retaining Boundary	B15.50		8	9	10	100	VT-2	NA	NA	NA	NA	System Leakage Test
B5-028	Pressure Retaining Boundary	B15.51					100	VT-2	NA	NA	NA	NA	System Hyuro Test



NO	DATE	REVISION	BY	CHK'D
1	10/15/78	REVISED PER I.I.	TUR	
2	11/15/78	REVISED PER	SS	
3	12/15/78	REVISED PER	SS	
4	01/15/79	REVISED PER	SS	
5	02/15/79	REVISED PER	SS	
6	03/15/79	REVISED PER	SS	
7	04/15/79	REVISED PER	SS	
8	05/15/79	REVISED PER	SS	
9	06/15/79	REVISED PER	SS	
10	07/15/79	REVISED PER	SS	
11	08/15/79	REVISED PER	SS	
12	09/15/79	REVISED PER	SS	
13	10/15/79	REVISED PER	SS	
14	11/15/79	REVISED PER	SS	
15	12/15/79	REVISED PER	SS	
16	01/15/80	REVISED PER	SS	
17	02/15/80	REVISED PER	SS	
18	03/15/80	REVISED PER	SS	
19	04/15/80	REVISED PER	SS	
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37	10/15/81	REVISED PER	SS	
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98	11/15/86	REVISED PER	SS	
99	12/15/86	REVISED PER	SS	
100	01/15/87	REVISED PER	SS	

ARKANSAS POWER AND LIGHT COMPANY
 ARKANSAS NUCLEAR ONE
 UNIT 1
 B HOT LEG FROM
 REACTOR VESSEL TO
 STEAM GENERATOR B
 ZONE 15



ISI-115

REV. 1

PROGRAM PLAN AND SCHEDULE

ZONE - 16

COMPONENT DESCRIPTION

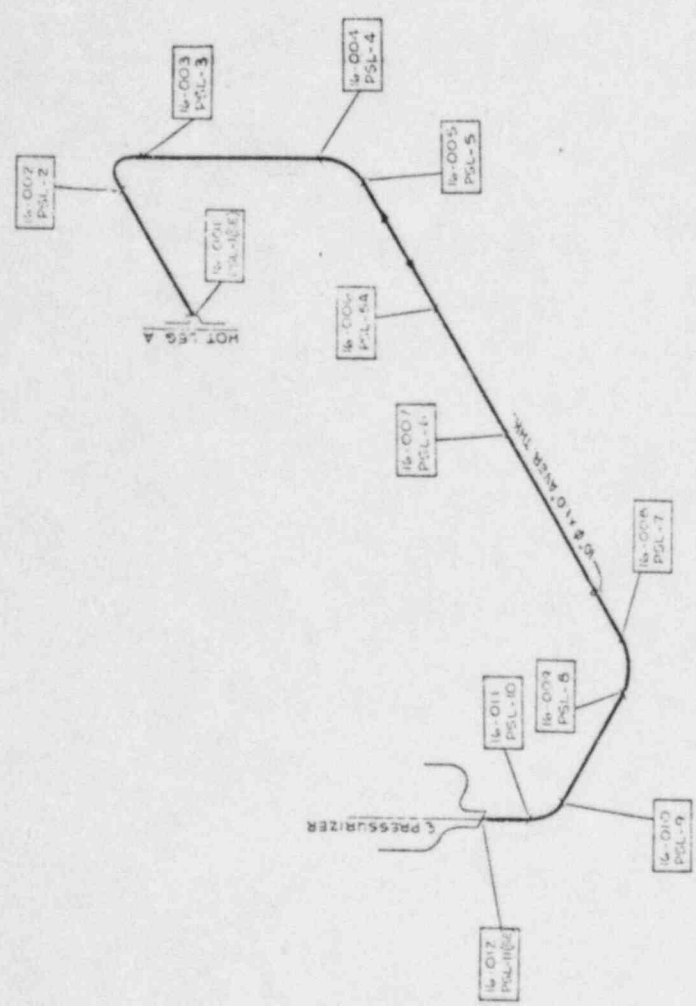
PRESSURIZER SURGE LINE CCA-2-10"

FORM ENG-011

ANO-UNIT-ONE

PIPING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
16-001	Nozzle To Pipe SE Circ Seam	B5.50.1				11	100	PT	NA	X	X	X	PSL-1
16-001	Nozzle To Pipe SE Circ Seam	B5.50.1				11	100	UT	40814	X	X	X	PSL-1
16-002	Pipe To Ell Circ Seam	B9.11.1					100	PT	NA	X	X	X	PSL-2
16-002	Pipe To Ell Circ Seam	B9.11.2					100	UT	40814	X	X	X	PSL-2
16-003	Ell To Pipe Circ Seam	B9.11.3					100	PT	NA	X	X	X	PSL-3
16-003	Ell To Pipe Circ Seam	B9.11.3					100	UT	40814	X	X	X	PSL-3
16-004	Pipe To Ell Circ Seam	B9.11.4					100	PT	NA	X	X	X	PSL-4
16-004	Pipe To Ell Circ Seam	B9.11.4					100	UT	40814	X	X	X	PSL-4
16-005	Ell To Pipe Circ Seam	B9.11.5					100	PT	NA	X	X	X	PSL-5
16-005	Ell To Pipe Circ Seam	B9.11.5					100	UT	40814	X	X	X	PSL-5
16-006	Pipe To Pipe Circ Seam	B9.11.6					100	PT	NA	X	X	X	PSL-5A
16-006	Pipe To Pipe Circ Seam	B9.11.6					100	UT	40814	X	X	X	PSL-5A
16-007	Pipe To Pipe Circ Seam	B9.11.7					100	PT	NA	X	X	X	PSL-6
16-007	Pipe To Pipe Circ Seam	B9.11.7					100	UT	40814	X	X	X	PSL-6
16-008	Pipe To Ell Circ Seam	B9.11.8					100	PT	NA	X	X	X	PSL-7
16-008	Pipe To Ell Circ Seam	B9.11.8					100	UT	40814	X	X	X	PSL-7
16-009	Ell To Pipe Circ Seam	B9.11.9				9	100	PT	NA	X	X	X	PSL-8
16-009	Ell To Pipe Circ Seam	B9.11.9				9	100	UT	40814	X	X	X	PSL-8
16-010	Pipe To Ell Circ Seam	B9.11.10				10	100	PT	NA	X	X	X	PSL-9
16-010	Pipe To Ell Circ Seam	B9.11.10				10	100	UT	40814	X	X	X	PSL-9
16-011	Ell To Pipe Circ Seam	B9.11.11				8	100	PT	NA	X	X	X	PSL-10
16-011	Ell To Pipe Circ Seam	B9.11.11				8	100	UT	40814	X	X	X	PSL-10
16-012	Pipe To Nozzle SE Circ Seam	B5.50.2				7	100	PT	NA	X	X	X	PSL-11
16-012	Pipe To Nozzle SE Circ Seam	B5.50.2				7	100	UT	40814	X	X	X	PSL-11
16-013	Mechanical Snubber HS-100	F3.50.1				7	100	VT-4	NA	X	X	X	SK#1-200
16-014	Hydraulic Snubber HS-101	F3.50.2				8	100	VT-4	NA	X	X	X	SK#1-201 (Test)
16-015	Hydraulic Snubber HS-102	F3.50.3				8	100	VT-4	NA	X	X	X	SK#1-202
16-016	Pressure Retaining Boundary	B15.50				8	100	VT-2	NA	NA	NA	NA	System Leakage Test
16-017	Pressure Retaining Boundary	B15.51				11	100	VT-2	NA	NA	NA	NA	System Hydro Test



SAFETY RECORD - 10-15-77

NO	DATE	ISSUED FOR	BY	SCALE	SECTION	BY	DATE	REV.
0	7/23	ISSUED FOR ISI	RJII					0

ARKANSAS POWER AND LIGHT COMPANY
ARKANSAS NUCLEAR ONE
UNIT 1

PRESSURIZER SURGE
ZONE 16

16-017 PSL-10

16-011 PSL-10

16-003 PSL-6

16-004 PSL-7

16-004 PSL-4

16-007 PSL-4

16-004 PSL-5A

16-005 PSL-5

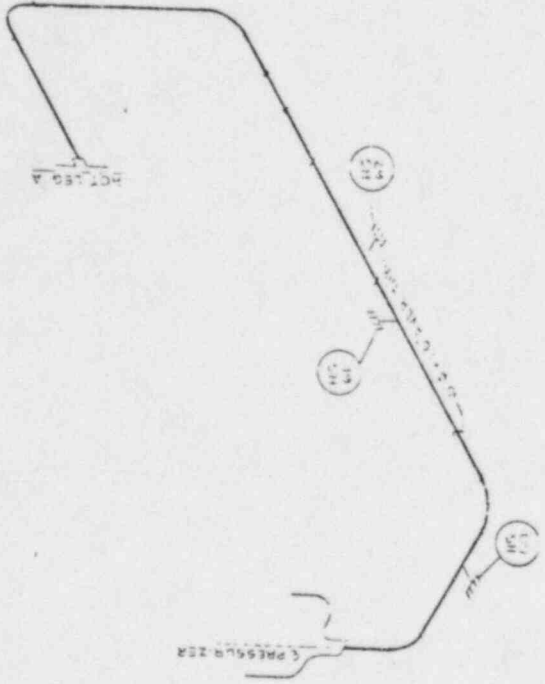
16-007 PSL-2

16-003 PSL-3

16-004 PSL-4

HOT LEG A

7.



FOR INFORMATION ONLY

PROJECT	IS-116H
DATE	12/11/61
DESIGNED BY	ISI-116H
DRAWN BY	ISI-116H
CHECKED BY	ISI-116H
APPROVED BY	ISI-116H
UNIT	ISI-116H

PRESSURIZER SURGE
ZONE 16

PROGRAM PLAN AND SCHEDULE

FORM ENG-011

ANO-UNIT-ONE

PIPING PRESSURE BOUNDARY

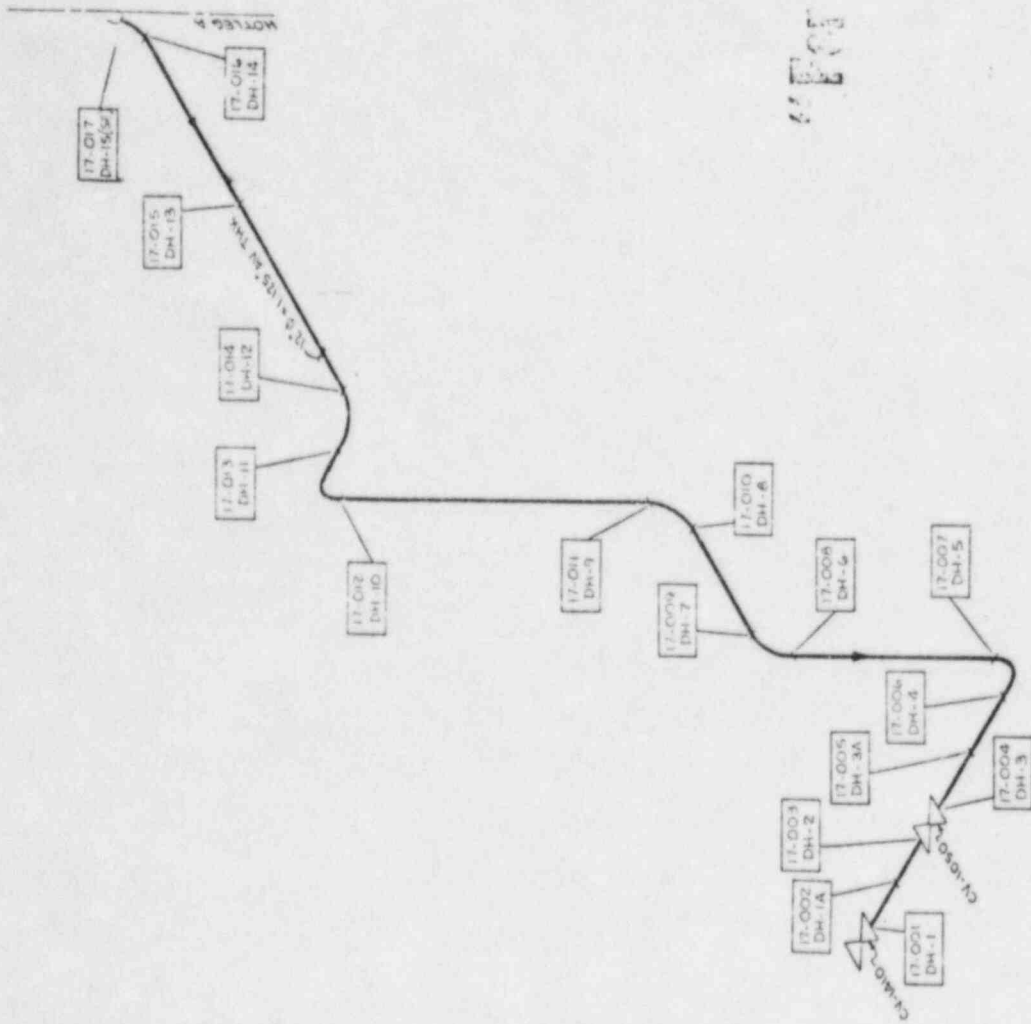
ZONE 17

COMPONENT DESCRIPTION

DECAY HEAT REMOVAL CCA-8-12"

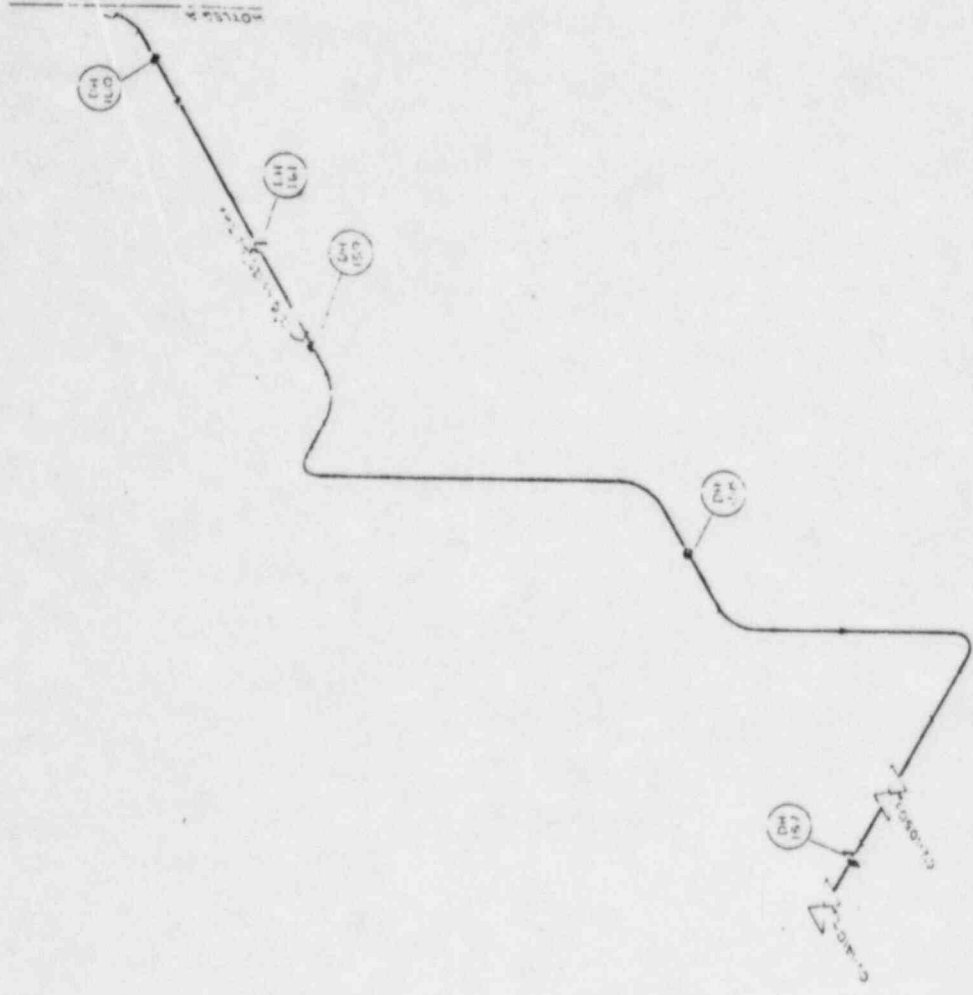
EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WF	
17-001	Pipe To Valve Circ Seam	B9.11.1					100	PT	NA	X	X	X	DH-1
17-001	Pipe To Valve Circ Seam	B9.11.1					100	UT	40846	X	X	X	DH-1A
17-002	Pipe To Pipe Circ Seam	B9.11.2	8				100	PT	NA	X	X	X	DH-1A
17-002	Pipe To Pipe Circ Seam	B9.11.2	8				100	UT	40846	X	X	X	DH-1A
17-003	Pipe To Valve Circ Seam	B9.11.3		9			100	PT	NA	X	X	X	DH-2
17-003	Pipe To Valve Circ Seam	B9.11.3		9			100	UT	40846	X	X	X	DH-2
17-004	Valve To Pipe Circ Seam	B9.11.4			10		100	PT	NA	X	X	X	DH-3
17-004	Valve To Pipe Circ Seam	B9.11.4			10		100	UT	40846	X	X	X	DH-3
17-005	Pipe To Pipe Circ Seam	B9.11.5				11	100	PT	NA	X	X	X	DH-3A
17-005	Pipe To Pipe Circ Seam	B9.11.5				11	100	UT	40846	X	X	X	DH-3A
17-006	Pipe To Ell Circ Seam	B9.11.6					100	PT	NA	X	X	X	DH-4
17-006	Pipe To Ell Circ Seam	B9.11.6					100	UT	40846	X	X	X	DH-4
17-007	Pipe To Ell Circ Seam	B9.11.7					100	PT	NA	X	X	X	DH-5
17-007	Pipe To Ell Circ Seam	B9.11.7					100	UT	40846	X	X	X	DH-5
17-008	Pipe To Ell Circ Seam	B9.11.8					100	PT	NA	X	X	X	DH-6
17-008	Pipe To Ell Circ Seam	B9.11.8					100	UT	40846	X	X	X	DH-6
17-009	Pipe To Ell Circ Seam	B9.11.9					100	PT	NA	X	X	X	DH-7
17-009	Pipe To Ell Circ Seam	B9.11.9					100	UT	40846	X	X	X	DH-7
17-010	Pipe To Ell Circ Seam	B9.11.10					100	PT	NA	X	X	X	DH-8
17-010	Pipe To Ell Circ Seam	B9.11.10					100	UT	40846	X	X	X	DH-8
17-011	Pipe To Ell Circ Seam	B9.11.11					100	PT	NA	X	X	X	DH-9
17-011	Pipe To Ell Circ Seam	B9.11.11					100	UT	40846	X	X	X	DH-9
17-012	Pipe To Ell Circ Seam	B9.11.12					100	PT	NA	X	X	X	DH-10
17-012	Pipe To Ell Circ Seam	B9.11.12					100	UT	40846	X	X	X	DH-10
17-013	Pipe To Ell Circ Seam	B9.11.13					100	PT	NA	X	X	X	DH-11
17-013	Pipe To Ell Circ Seam	B9.11.13					100	UT	40846	X	X	X	DH-11
17-014	Pipe To Ell Circ Seam	B9.11.14					100	PT	NA	X	X	X	DH-12
17-014	Pipe To Ell Circ Seam	B9.11.14					100	UT	40846	X	X	X	DH-12
17-015	Pipe To Pipe Circ Seam	B9.11.15					100	PT	NA	X	X	X	DH-13
17-015	Pipe To Pipe Circ Seam	B9.11.15					100	UT	40846	X	X	X	DH-13
17-016	Pipe To Ell Circ Seam	B9.11.16					100	PT	NA	X	X	X	DH-14
17-016	Pipe To Ell Circ Seam	B9.11.16					100	UT	40846	X	X	X	DH-14
17-017	Ell To Hot Leg SE Circ Seam	B5.50.1	RF7				100	PT	NA	X	X	X	DH-15SE

EXAM NUMBER	PAR'S EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				SCH %	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
17-017	Ell To Ho' Leg SE Circ Seam	B5.50.1	BE	7			100	UT	40846	X	X	X	DH-155E
17-018	12" Valve CV-1410	B12.40.1	EM	2			100	VT-3	NA	X	X	NA	
17-019	12" Valve CV-1050	B12.40.2	EM	2	REF		100	VT-3	NA	X	X	NA	
17-020	Valve CV-1410 Bolts	B7.70.1	BG	2			100	VT-1	NA	X	X	X	All Bolts & Nuts Inplace
17-021	Valve CV-1410 Bolts	B7.70.2	BG	2			100	VT-1	NA	X	X	X	All Bolts Removed
17-022	Valve CV-1410 Nuts	B7.70.3	BG	2			100	VT-1	NA	X	X	X	All Nuts Removed
17-022F	Valve Flange Surface	B7.70.4	BG	2			100	VT-1	NA	X	X	X	When Disassembled
17-023	F34A DHR Pump	B12.40.1	BL	2			100	VT-3	NA	NA	NA	NA	Internal Surface (When Disassembled)
17-024	F34B DHR Pump	B12.40.2	BL	2	REF		100	VT-3	NA	NA	NA	NA	Internal Surface
17-025	Pump P34A Bolts	B6.180.1	BG	1			100	UT	NA	NA	X	NA	All Bolts
17-026	Pump P34A Nuts & Washers	B6.200.1	BG	1			100	VT-1	NA	NA	X	NA	All Nuts & Washers
17-027	Pump P34A Flange Surface	B6.190.1	BG	1			100	VT-1	NA	NA	X	NA	When Disassembled
17-028	Pump P34B Bolts	B6.180.2	BG	1	REF		100	UT	NA	NA	X	NA	All Bolts
17-029	Pump P34B Nuts & Washers	B6.200.2	BG	1	REF		100	VT-1	NA	NA	X	NA	All Nuts & Washers
17-030	Pump P34B Flange Surface	B6.190.2	BG	1	REF		100	VT-1	NA	NA	X	NA	When Disassembled
17-031	Guide Stop DH-157	B10.10.1	BK	1			100	PT	NA	NA	NA	NA	SK#1-800
17-032	Spring Hanger DH-159	F3.50.1	F-C		9		100	VT-4	NA	NA	NA	NA	SK#1-805
17-033	Spring Hanger DH-158	F3.50.2	F-C				100	VT-4	NA	NA	NA	NA	SK#1-803
17-034	Guide Stop DH-157	F2.10.1	F-C		7		100	VT-3	NA	NA	NA	NA	SK#1-800
17-035	Spring Hanger DH-160	F3.50.3	F-C				100	VT-4	NA	NA	NA	NA	SK#1-807
17-036	Guide DH-161	F2.10.2	F-C				100	VT-3	NA	NA	NA	NA	SK#1-808
17-037	Pressure Retaining Boundary	B15.50	BP	7	8	9	10	VT-2	NA	NA	NA	NA	System Leakage Test
17-038	Pressure Retaining Boundary	B15.51	BP				11	VT-2	NA	NA	NA	NA	System Hydro-test
17-039	Pressure Retaining Boundary	B15.60	BP	7	8	9	10	VT-2	NA	NA	NA	NA	System Leakage Test
17-040	Pressure Retaining Boundary	B15.61	BP				11	VT-2	NA	NA	NA	NA	System Hydro-Test
17-041	Pressure Retaining Boundary	B15.70	BP	7	8	9	10	VT-2	NA	NA	NA	NA	System Leakage Test
17-042	Pressure Retaining Boundary	B15.71	BP				11	VT-2	NA	NA	NA	NA	System Hydro-Test



Arkansas Nuclear Company

ISSUED PER I.S.I.	H. J. JONES
NO. DATE	BY
SCALE	REV. NO.
DESIGN	BY
REVISION	BY
DATE	BY
UNIT	
ARKANSAS POWER AND LIGHT COMPANY	
ARKANSAS NUCLEAR ONE	
UNIT 1	
DECAY HEAT	
ZONE 17	
ISSUED NO.	17-117
REV.	0



DATE	ISSUED FOR	BY
11/17/51	104 25	49
NO.	REV.	DATE
1		
DRAWN BY: [unclear]		
CHECKED BY: [unclear]		
APPROVED BY: [unclear]		
PROJECT: [unclear]		
SHEET: [unclear]		
SCALE: [unclear]		
UNITS: [unclear]		
DECAY HEAT		
ZONE 17		
151-117H		

FOR INFORMATION ONLY
DO NOT USE VERIFY

FORM ENG-011

ANO-UNIT-ONE

PIPING PRESSURE BOUNDARY

PROGRAM PLAN AND SCHEDULE

ZONE - 18

COMPONENT DESCRIPTION

PRESSURIZER SPRAY

REVISED 12/01/83

PAGE - 1 of 3

CLASS - 1

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
18-001	Nozzle To Pipe SE Circ Seam	B5.50.1	BF	7			100	PT	NA	X	X	X	SL-1
18-002	Nozzle To Pipe SE Circ Seam	B5.50.1	BF	7			100	UT	40818	X	X	X	SL-1
18-002	Pipe To Ell Circ Seam	B9.11.1	BJ				100	PT	NA	X	X	X	SL-2
18-003	Pipe To Ell Circ Seam	B9.11.1	BJ				100	UT	40813	X	X	X	SL-2
18-003	Ell To Reducer Circ Seam	B9.11.2	BJ				100	PT	NA	X	X	X	SL-3
18-004	Ell To Reducer Circ Seam	B9.11.2	BJ				100	UT	40813	X	X	X	SL-3
18-004	Reducer To Pipe Circ Seam	B9.11.3	BJ				100	PT	NA	X	X	X	SL-3A
18-005	Reducer To Pipe Circ Seam	B9.11.3	BJ				100	UT	40813	X	X	X	SL-3A
18-006	Pipe To Tee Circ Seam	B9.11.4	BJ	8			100	PT	NA	X	X	X	SL-4
18-006	Pipe To Tee Circ Seam	B9.11.4	BJ	8			100	UT	40813	X	X	X	SL-4
18-007	Tee To Reducer Circ Seam	B9.11.5	BJ				100	PT	NA	X	X	X	SL-5A
18-007	Tee To Reducer Circ Seam	B9.11.5	BJ				100	UT	40813	X	X	X	SL-5A
18-007	Reducer To Pipe Circ Seam	B9.11.6	BJ	8			100	PT	NA	X	X	X	SL-5B
18-008	Reducer To Pipe Circ Seam	B9.11.6	BJ	8			100	UT	40813	X	X	X	SL-5B
18-008	Tee To Ell Circ Seam	B9.11.7	BJ				100	PT	NA	X	X	X	SL-6
18-009	Tee To Ell Circ Seam	B9.11.7	BJ				100	UT	40813	X	X	X	SL-6
18-009	Ell To Pipe Circ Seam	B9.11.8	BJ				100	PT	NA	X	X	X	SL-7
18-009	Ell To Pipe Circ Seam	B9.11.8	BJ				100	UT	40813	X	X	X	SL-7
18-010	Pipe To Valve Circ Seam	B9.11.9	BJ				100	PT	NA	X	X	X	SL-8
18-010	Pipe To Valve Circ Seam	B9.11.9	BJ				100	UT	40813	X	X	X	SL-8
18-011	Valve To Tee Circ Seam	B9.11.10	BJ				100	PT	NA	X	X	X	SL-9
18-011	Valve To Tee Circ Seam	B9.11.10	BJ				100	UT	40813	X	X	X	SL-9
18-012	Tee To Reducer Circ Seam	B9.11.11	BJ				100	PT	NA	X	X	X	SL-10
18-012	Tee To Reducer Circ Seam	B9.11.11	BJ				100	UT	40813	X	X	X	SL-10
18-013	Tee To Pipe Circ Seam	B9.11.12	BJ				100	PT	NA	X	X	X	SL-11
18-013	Tee To Pipe Circ Seam	B9.11.12	BJ				100	UT	40813	X	X	X	SL-11
18-014	Pipe To Pipe Circ Seam	B9.11.13	BJ				100	PT	NA	X	X	X	SL-12
18-014	Pipe To Pipe Circ Seam	B9.11.13	BJ				100	UT	40813	X	X	X	SL-12
18-015	Pipe To Valve Circ Seam	B9.11.14	BJ				100	PT	NA	X	X	X	SL-12A
18-015	Pipe To Valve Circ Seam	B9.11.14	BJ				100	UT	40813	X	X	X	SL-12A
18-016	Valve To Pipe Circ Seam	B2.11.15	BJ				100	PT	NA	X	X	X	SL-13
18-016	Valve To Pipe Circ Seam	B2.11.15	BJ				100	UT	40813	X	X	X	SL-13
18-017	Pipe To Ell Circ Seam	B9.11.16	BJ				100	PT	NA	X	X	X	SL-14
18-017	Pipe To Ell Circ Seam	B9.11.16	BJ				100	UT	40813	X	X	X	SL-14

PROGRAM PLAN AND SCHEDULE

FORM ENG-011

ANO-UNIT-ONE

PIPING PRESSURE BOUNDARY

ZONE- 18

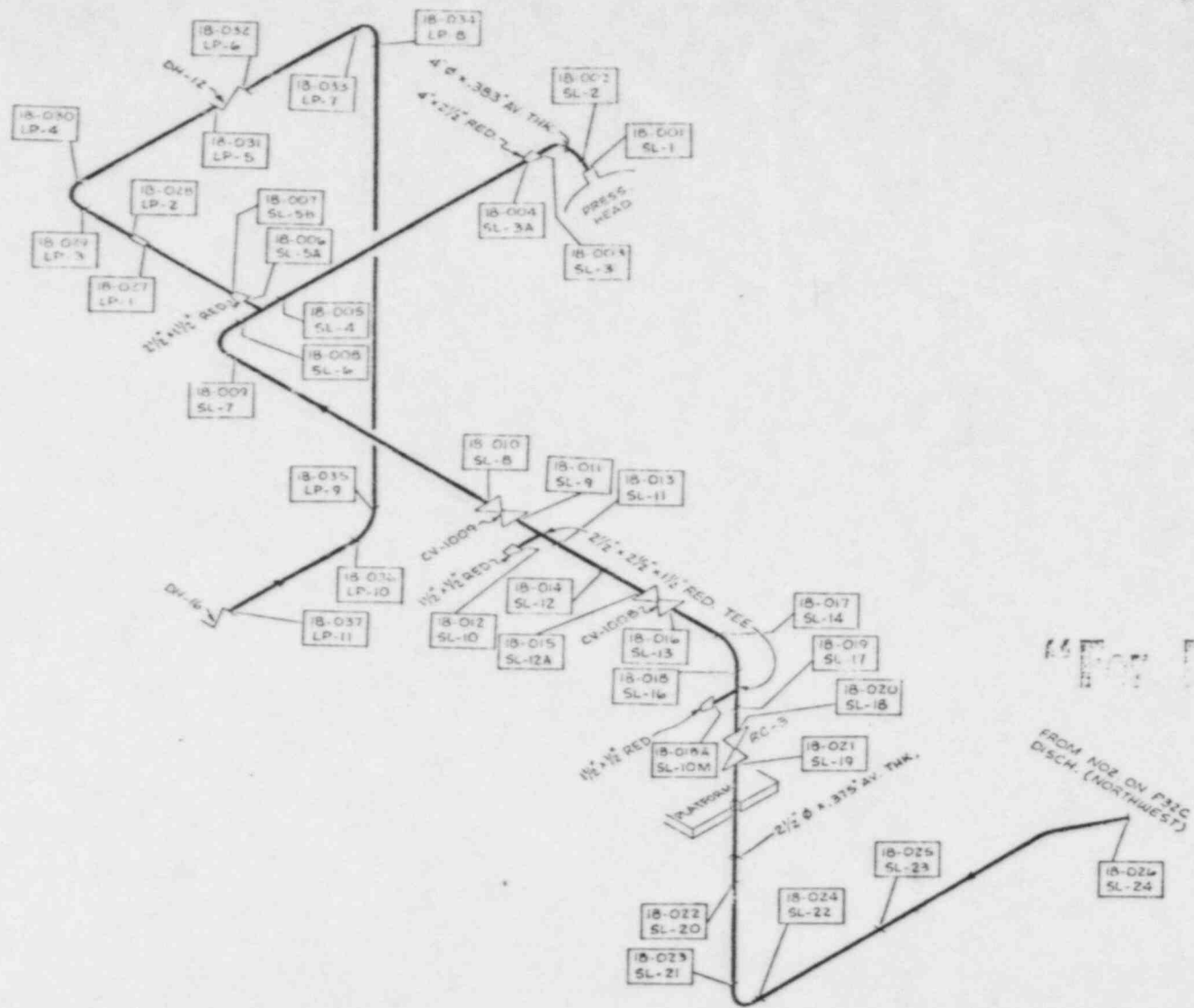
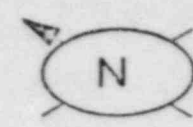
COMPONENT DESCRIPTION

PRESSURIZER SPRAY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
18-017	Pipe To Ell Circ Seam	89.11.16					100	UT	40813	X	X	X	SL-14
18-018	Ell To Ice Circ Seam	89.11.17					100	PT	NA	X	X	X	SL-16
18-018	Ell To Ice Circ Seam	89.11.17					100	UT	40813	X	X	X	SL-16
18-018A	Ice To Reducer Circ Seam	89.11.18					100	PT	NA	X	X	X	SL-10M
18-018A	Ice To Reducer Circ Seam	89.11.18					100	UT	40813	X	X	X	SL-10M
18-019	Ice To Pipe Circ Seam	89.11.19					100	PT	NA	X	X	X	SL-17
18-019	Ice To Pipe Circ Seam	89.11.19					100	UT	40813	X	X	X	SL-17
18-020	Pipe To Valve Circ Seam	89.11.20					100	PT	NA	X	X	X	SL-18
18-020	Pipe To Valve Circ Seam	89.11.20					100	UT	40813	X	X	X	SL-18
18-021	Valve To Pipe Circ Seam	89.11.21					100	PT	NA	X	X	X	SL-19
18-021	Valve To Pipe Circ Seam	89.11.21					100	PT	NA	X	X	X	SL-19
18-022	Pipe To Pipe Circ Seam	89.11.22					100	PT	NA	X	X	X	SL-20
18-022	Pipe To Pipe Circ Seam	89.11.22					100	PT	NA	X	X	X	SL-20
18-023	Pipe To Ell Circ Seam	89.11.23					100	PT	NA	X	X	X	SL-21
18-023	Pipe To Ell Circ Seam	89.11.23					100	PT	NA	X	X	X	SL-21
18-024	Ell To Pipe Circ Seam	89.11.24					100	PT	NA	X	X	X	SL-22
18-024	Ell To Pipe Circ Seam	89.11.24					100	PT	NA	X	X	X	SL-22
18-025	Pipe To Pipe Circ Seam	89.11.25					100	PT	NA	X	X	X	SL-23
18-025	Pipe To Pipe Circ Seam	89.11.25					100	PT	NA	X	X	X	SL-23
18-026	Pipe To P32C Disch Circ Seam	89.11.26					100	PT	NA	X	X	X	SL-24
18-026	Pipe To P32C Disch Circ Seam	89.11.26					100	PT	NA	X	X	X	SL-24
18-027	Pipe To Socket Weld Coupling	89.40.1		9			100	PT	NA	X	X	X	LP-1
18-027	Pipe To Socket Weld Coupling	89.40.1		9			100	PT	NA	X	X	X	LP-1
18-028	Socket Weld Coupling To Pipe	89.40.2			10		100	PT	NA	X	X	X	LP-3
18-028	Socket Weld Coupling To Pipe	89.40.2			10		100	PT	NA	X	X	X	LP-3
18-029	Pipe To Socket Weld Ell	89.40.3			10		100	PT	NA	X	X	X	LP-4
18-029	Pipe To Socket Weld Ell	89.40.3			10		100	PT	NA	X	X	X	LP-4
18-030	Socket Weld Ell To Pipe	89.40.4				11	100	PT	NA	X	X	X	LP-5
18-030	Socket Weld Ell To Pipe	89.40.4				11	100	PT	NA	X	X	X	LP-5
18-031	Pipe To Socket Weld Valve	89.40.5					100	PT	NA	X	X	X	LP-6
18-031	Pipe To Socket Weld Valve	89.40.5					100	PT	NA	X	X	X	LP-6
18-032	Socket Weld Valve To Pipe	89.40.6					100	PT	NA	X	X	X	LP-7
18-032	Socket Weld Valve To Pipe	89.40.6					100	PT	NA	X	X	X	LP-7
18-033	Pipe To Socket Weld Ell	89.40.7					100	PT	NA	X	X	X	LP-8
18-033	Pipe To Socket Weld Ell	89.40.7					100	PT	NA	X	X	X	LP-8
18-034	Socket Weld Ell To Pipe	89.40.8					100	PT	NA	X	X	X	LP-9
18-034	Socket Weld Ell To Pipe	89.40.8					100	PT	NA	X	X	X	LP-9
18-035	Pipe To Socket Weld Ell	89.40.9					100	PT	NA	X	X	X	LP-10
18-035	Pipe To Socket Weld Ell	89.40.9					100	PT	NA	X	X	X	LP-10
18-036	Socket Weld Ell To Pipe	89.40.10					100	PT	NA	X	X	X	LP-11
18-036	Socket Weld Ell To Pipe	89.40.10					100	PT	NA	X	X	X	LP-11
18-037	Pipe To Socket Weld Valve	89.40.11					100	PT	NA	X	X	X	LP-11
18-037	Pipe To Socket Weld Valve	89.40.11					100	PT	NA	X	X	X	LP-11
18-042	Hydraulic Snubber HS-8	83.50.1					100	VT-4	NA	NA	NA	NA	SK#J-408
18-042	Hydraulic Snubber HS-8	83.50.1					100	VT-4	NA	NA	NA	NA	SK#J-408

PROGRAM PLAN AND SCHEDULE
 ZONE- 18
 COMPONENT DESCRIPTION
 PRESSURIZER SPRAY

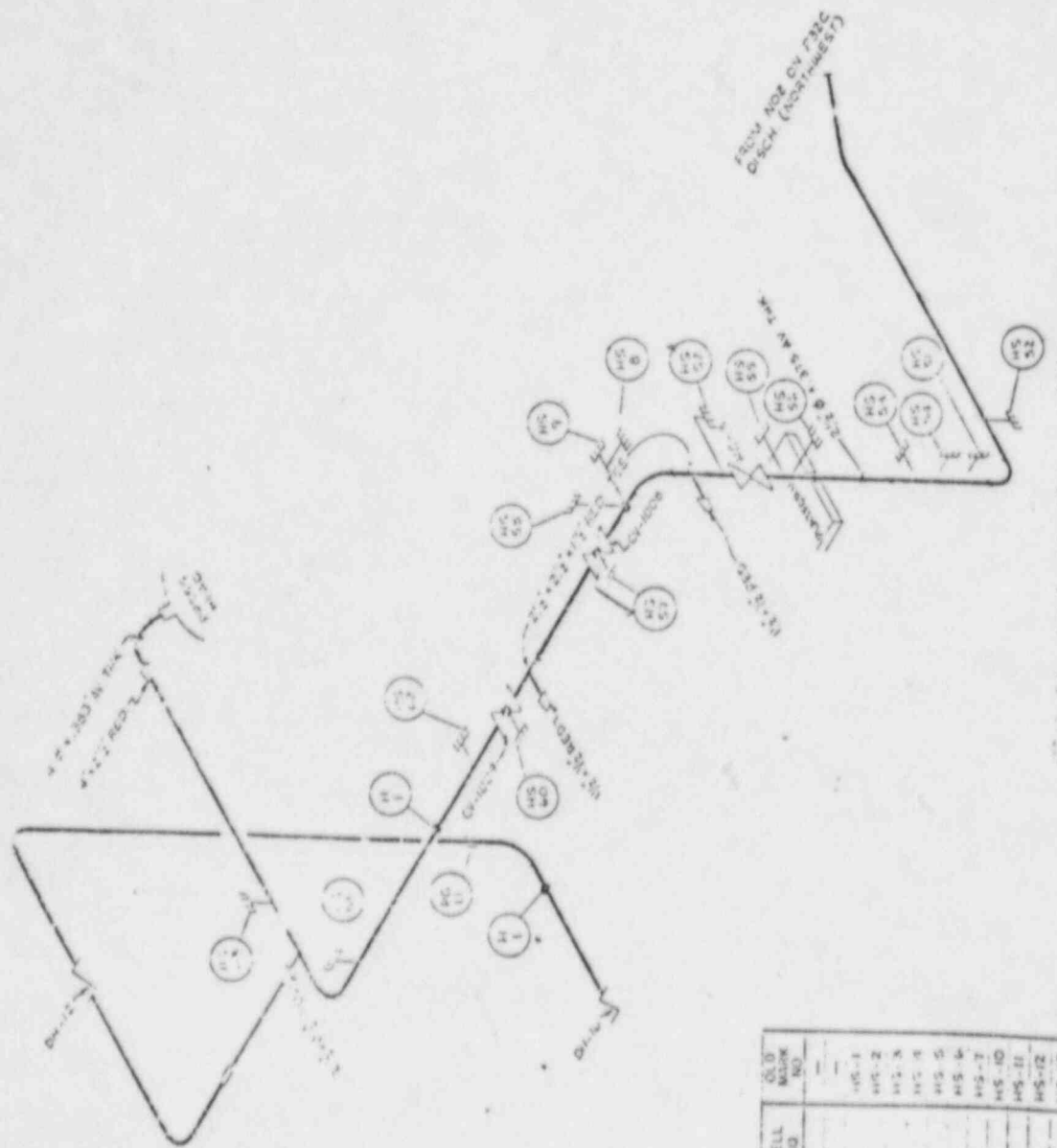
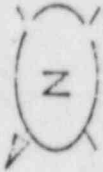
EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4				S	I	
18-043	Hydraulic Snubber HS-9	F3.50.2	F-C				100	VT-4	NA	NA	NA	SK#1-409
18-044	Hydraulic Snubber HS-51	F3.50.3	F-C				100	VT-4	NA	NA	NA	SK#1-401
18-045	Hydraulic Snubber HS-52	F3.50.4	F-C				100	VT-4	NA	NA	NA	SK#1-402
18-046	Hydraulic Snubber HS-53	F3.50.5	F-C	8			100	VT-4	NA	NA	NA	SK#1-404 (Test)
18-047	Hydraulic Snubber HS-54	F3.50.6	F-C				100	VT-4	NA	NA	NA	SK#1-403
18-048	Hydraulic Snubber HS-55	F3.50.7	F-C				100	VT-4	NA	NA	NA	SK#1-406
18-049	Hydraulic Snubber HS-56	F3.50.8	F-C				100	VT-4	NA	NA	NA	SK#1-405
18-050	Hydraulic Snubber HS-57	F3.50.9	F-C				100	VT-4	NA	NA	NA	SK#1-407
18-051	Hydraulic Snubber HS-58	F3.50.10	F-C			11	100	VT-4	NA	NA	NA	SK#1-410
18-052	Hydraulic Snubber HS-59	F3.50.11	F-C				100	VT-4	NA	NA	NA	SK#1-411
18-053	Hydraulic Snubber HS-60	F3.50.12	F-C				100	VT-4	NA	NA	NA	SK#1-200
18-054	Hydraulic Snubber HS-61	F3.50.13	F-C				100	VT-4	NA	NA	NA	SK#1-201
18-055	Hydraulic Snubber HS-62	F3.50.14	F-C				100	VT-4	NA	NA	NA	SK#1-202
18-056	Hydraulic Snubber HS-63	F3.50.15	F-C				100	VT-4	NA	NA	NA	SK#1-415
18-057	Spring Hanger H-1	F3.50.16	F-C			9	100	VT-4	NA	NA	NA	
18-058	Spring Hanger H-1	F3.50.17	F-C				100	VT-4	NA	NA	NA	
18-059	Guide PG-11	F3.60.1	F-C			10	100	VT-3	NA	NA	NA	
18-060	Pressure Retaining Boundary	B15.50		7	8	9	10	100	VT-2	NA	NA	System Leakage Test
18-061	Pressure Retaining Boundary	B15.51					11	100	VT-2	NA	NA	System Hydrotest
18-062	Pressure Retaining Boundary	B15.60		7	8	9	10	100	VT-2	NA	NA	System Leakage Test
18-063	Pressure Retaining Boundary	B15.61					11	100	VT-2	NA	NA	System Hydrotest
18-064	Pressure Retaining Boundary	B15.70		7	8	9	10	100	VT-2	NA	NA	System Leakage Test
18-065	Pressure Retaining Boundary	B15.71					11	100	VT-2	NA	NA	System Hydrotest



For Information Only

FROM NOZ ON P32C DISCH. (NORTHWEST)

NO.	DATE	REV. IN	BY	CHKD.
SCALE: --- DESIGN: B.B.W. DRAWN: R. JONES				
ARKANSAS POWER AND LIGHT COMPANY ARKANSAS NUCLEAR ONE UNIT 1				
PRESSURIZER SPRAY ZONE 18				
DRAWING NO.			REV.	
ISI-118			<input type="radio"/>	



MS-15	MS-14	MS-13	MS-12	MS-11	MS-10	MS-9	MS-8	MS-7	MS-6	MS-5	MS-4	MS-3	MS-2	MS-1	MS-0
1-815	1-814	1-813	1-812	1-811	1-810	1-809	1-808	1-807	1-806	1-805	1-804	1-803	1-802	1-801	1-800
MS-15	MS-14	MS-13	MS-12	MS-11	MS-10	MS-9	MS-8	MS-7	MS-6	MS-5	MS-4	MS-3	MS-2	MS-1	MS-0

COPY

PROGRAM PLAN AND SCHEDULE

ZONE - 19

COMPONENT DESCRIPTION

CORE FLOOD A & B CCA-6-14"

FORM ENG-011

AMO-UNIT-ONE

PIPING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
9-0018	Valve To Ell Circ Seam	99.11.1					100	PT	NA				CFB-1
9-0018	Valve To Ell Circ Seam	99.11.1					100	UT	40848				CFB-1
9-0028	Ell To Pipe Circ Seam	99.11.2					100	PT	NA				CFB-2
9-0028	Ell To Pipe Circ Seam	99.11.2					100	UT	40843				CFB-2
9-0038	Pipe To Tee Circ Weld	99.11.3					100	PT	NA				CFB-3
9-0038	Pipe To Tee Circ Weld	99.11.3					100	UT	40843				CFB-3
9-0048	Tee To Ell Circ Seam	99.11.4					100	PT	NA				CFB-4
9-0048	Tee To Ell Circ Seam	99.11.4					100	UT	40843				CFB-4
9-0058	Ell To Pipe Circ Seam	99.11.5					100	PT	NA				CFB-5
9-0058	Ell To Pipe Circ Seam	99.11.5					100	UT	40843				CFB-5
9-0068	Pipe To Valve Circ Seam	99.11.6					100	PT	NA				CFB-6
9-0068	Pipe To Valve Circ Seam	99.11.6					100	UT	40848				CFB-6
9-0078	Tee To Pipe Circ Seam	99.11.7					100	PT	NA				CFB-7
9-0078	Tee To Pipe Circ Seam	99.11.7					100	UT	40843				CFB-7
9-0088	Pipe To Pipe Circ Seam	99.11.8					100	PT	NA				CFB-8
9-0088	Pipe To Pipe Circ Seam	99.11.8					100	UT	40843				CFB-8
9-0098	Pipe To Tee Circ Seam	99.11.9					100	PT	NA				CFB-9
9-0098	Pipe To Tee Circ Seam	99.11.9					100	UT	40843				CFB-9
9-0108	Tee To Reducer Circ Seam	99.11.10					100	PT	NA				CFB-11
9-0108	Tee To Reducer Circ Seam	99.11.10					100	UT	40843				CFB-11
9-0118	Reducer To Valve Circ Seam	99.11.11					100	PT	NA				CFB-10
9-0118	Reducer To Valve Circ Seam	99.11.11					100	UT	40848				CFB-10
9-0128	Tee To Valve Circ Seam	99.11.12					100	PT	NA				CFB-12
9-0128	Tee To Valve Circ Seam	99.11.12					100	UT	40848				CFB-12
9-0138	Valve To Pipe Circ Seam	99.11.13					100	PT	NA				CFB-13
9-0138	Valve To Pipe Circ Seam	99.11.13					100	UT	40843				CFB-13
9-0148	Pipe To Pipe Circ Seam	99.11.14					100	PT	NA				CFB-14
9-0148	Pipe To Pipe Circ Seam	99.11.14					100	UT	40843				CFB-14
9-0158	Pipe To Ell Circ Seam	99.11.15					100	PT	NA				CFB-15
9-0158	Pipe To Ell Circ Seam	99.11.15					100	UT	40843				CFB-15
9-0168	Ell To Pipe Circ Seam	99.11.16					100	PT	NA				CFB-16
9-0168	Ell To Pipe Circ Seam	99.11.16					100	UT	40843				CFB-16
9-0178	Pipe To Ell Circ Seam	99.11.17					100	PT	NA				CFB-17
9-0178	Pipe To Ell Circ Seam	99.11.17					100	UT	NA				CFB-17

PROGRAM PLAN AND SCHEDULE

FORM ENG-011

ASO-UNIT-ONE

PIPING PRESSURE BOUNDARY

ZONE - 19

COMPONENT DESCRIPTION

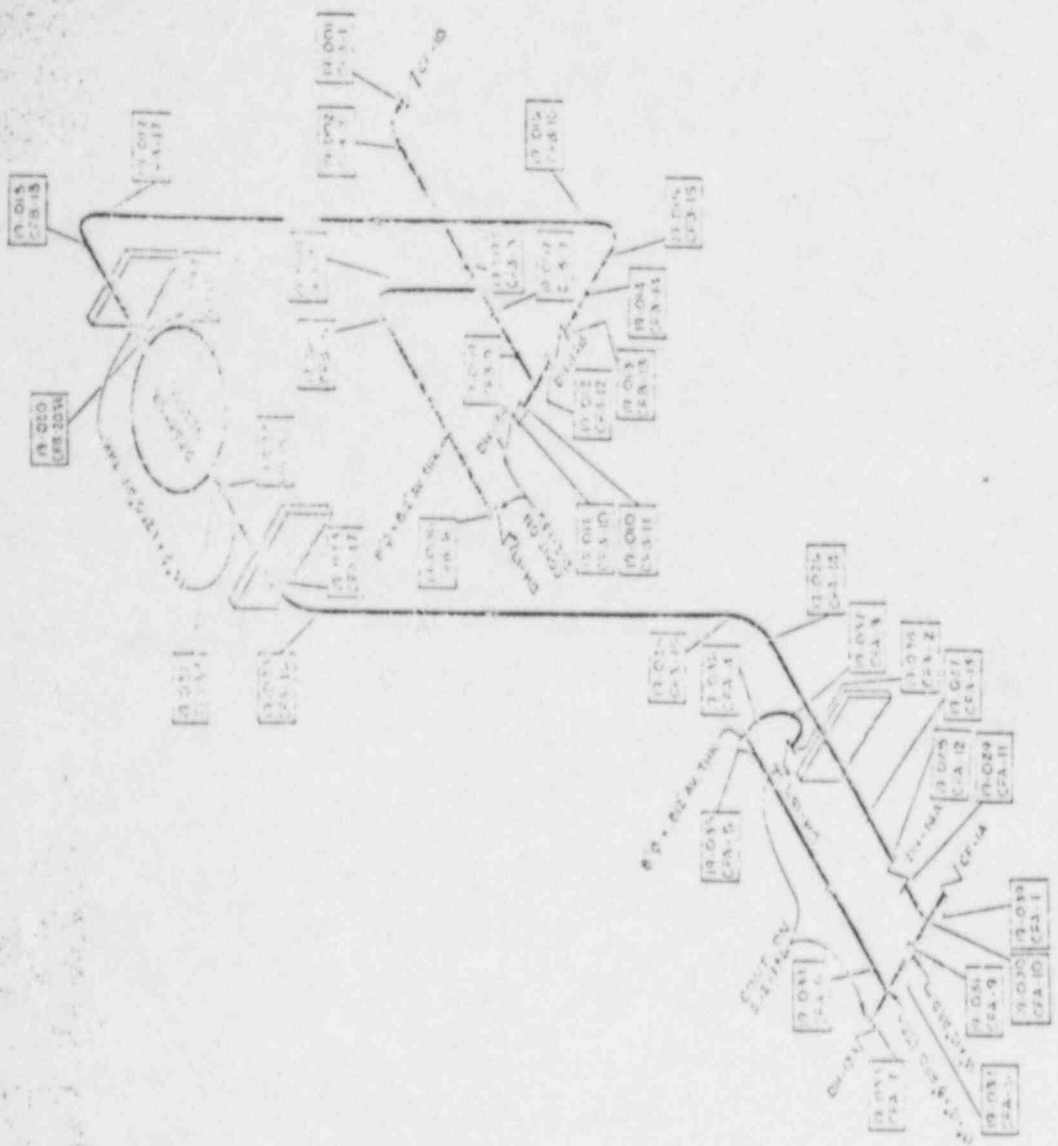
CORE FLOOD A & B CCA-6-14"

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4				S	I	
19-0178	Pipe To Ell Circ Seam	89.11.17					100	UT	40843			CFB-17
19-0188	Ell To Pipe Circ Seam	89.11.18					100	PT	NA	X	X	CFB-18
19-0188	Ell To Pipe Circ Seam	89.11.18					100	UT	40843	X	X	CFB-18
19-0198	Pipe To Pipe Circ Seam	89.11.19					100	PT	NA			CFB-19
19-0198	Pipe To Pipe Circ Seam	89.11.19					100	UT	40843			CFB-19
19-0208	Pipe To RV Noz SE Circ Seam	85.50.1					100	PT	NA	NA	NA	Exemption Requested
19-0208	Pipe To RV Noz SE Circ Seam	85.50.1					100	UT	40904	NA	NA	Remote Exam From I.D. Under Category B-D
19-0218	Pipe To RV Noz SE Circ Seam	85.50.1					100	PT	NA	X	X	Exemption Requested
19-0218	Pipe To RV Noz SE Circ Seam	85.50.1					100	UT	40904	X	X	Remote Exam From I.D. Under Category B-D
19-0218	14" Valve DH-148	812.40.1					100	VT-3	NA			CFA-18
19-0228	Pipe To Pipe Circ Seam	89.11.1					100	PT	NA			CFA-18
19-0228	Pipe To Pipe Circ Seam	89.11.1					100	UT	40843			CFA-18
19-0228	8" Valve DH-18	812.40.1					100	VT-3	NA	X	X	
19-0228	8" Valve DH-17	812.40.2					100	PT	NA			
19-0238	Pipe To Ell Circ Seam	89.11.2					100	UT	40843	X	X	CFA-17
19-0238	Pipe To Ell Circ Seam	89.11.2					100	VT-3	NA			CFA-17
19-0238	8" Valve DH-13A	812.40.2					100	PT	NA	NA	NA	
19-0238	8" Valve DH-13B	812.40.3					100	PT	NA	NA	NA	
19-0248	Ell To Pipe Circ Seam	89.11.3					100	MT	40843			CFA-16
19-0248	Ell To Pipe Circ Seam	89.11.3					100	VT-3	NA			CFA-16
19-0248	14" Valve DH-14A	812.40.3					100	VT-3	NA	X	X	
19-0248	14" Valve CF-18	89.11.4					100	PT	NA			CFA-15
19-0258	Pipe To Ell Circ Seam	89.11.4					100	UT	40843	X	X	CFA-15
19-0258	14" Valve CF-18	812.40.4					100	VT-3	NA			CFA-15
19-0258	Valve DH-148 Bolts & Studs	86.210.1					100	PT	NA	NA	NA	All Bolts & Studs
19-0268	Ell To Pipe Circ Seam	89.11.5					100	PT	NA			CFA-14
19-0268	Ell To Pipe Circ Seam	89.11.5					100	UT	40843			CFA-14
19-0268	Valve DH-18 Bolts & Studs	86.210.1					100	VT-1	NA	NA	NA	All Bolts
19-0268	Valve DH-148 Nuts & Washers	86.210.1					100	PT	NA	NA	NA	All Nuts & Washers
19-0278	Pipe To Pipe Circ Seam	89.11.6					100	PT	NA			CFA-13
19-0278	Pipe To Pipe Circ Seam	89.11.6					100	UT	40843			CFA-13
19-0278	Valve DH-18 Nuts & Washers	86.210.1					100	VT-1	NA	NA	NA	All Nuts

AND UNIT ONE
PIPING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4				S	I	
19-027B	Valve DH-17 Bolts & Studs	86.210.2	BG1				100	UT	NA	NA	K	All Bolts & Studs
19-028A	Pipe To Valve Circ Seam	89.11.7	BJ				100	PT	NA	X	K	CFA-12
19-028A	Pipe To Valve Circ Seam	89.11.7	BJ				100	UT	40848	X	K	CFA-12
19-028A	Valve DH-13A Bolts & Studs	86.210.2	BG1	NOT	REQ.		100	UT	NA	NA	K	All Bolts
19-028B	Valve DH-17 Nuts & Washers	86.230.2	BG1				100	VT-1	NA	NA	K	All Nuts & Washers
19-029A	Valve To Pipe Circ Seam	89.11.8	BJ				100	PT	NA			CFA-11
19-029A	Valve To Pipe Circ Seam	89.11.8	BJ				100	UT	40848			CFA-11
19-029A	Valve DH-13A Nuts & Washers	86.230.2	BG1	NOT	REQ.		100	VT-1	NA	NA	K	All Nuts
19-029B	Valve DH-13B Bolts & Studs	86.210.3	BG1	NOT	REQ.		100	UT	NA	NA	K	All Bolts & Studs
19-030A	Pipe To Pipe Branch Circ Seam	89.11.9	BJ				100	PT	NA			CFA-10
19-030A	Pipe To Pipe Branch Circ Seam	89.11.9	BJ				100	UT	40843			CFA-10
19-030A	Valve DH-14A Bolts & Studs	86.210.3	BG1				100	UT	NA	NA	K	All Bolts
19-030B	Valve DH-13B Nuts & Washers	86.230.3	BG1	NOT	REQ.		100	VT-1	NA	NA	K	All Nuts & Washers
19-031A	Pipe To Reducer Circ Seam	89.11.10	BJ				100	PT	NA	X	K	CFA-9
19-031A	Pipe To Reducer Circ Seam	89.11.10	BJ				100	UT	40843	X	K	CFA-9
19-031A	Valve DH-14A Nuts & Washers	86.230.3	BG1				100	VT-1	NA	NA	K	All Nuts
19-031B	Valve CF-1B Bolts & Studs	86.210.4	BG1	NOT	REQ.		100	UT	NA	NA	K	All Bolts & Studs
19-032A	Reducer To Red Tee Circ Seam	89.11.11	BJ				100	PT	NA			CFA-8
19-032A	Reducer To Red Tee Circ Seam	89.11.11	BJ				100	UT	40843			CFA-8
19-032A	Valve CF-11 Bolts & Studs	86.210.4	BG1				100	UT	NA	NA	K	All Bolts
19-032B	Valve CF-1B Nuts & Washers	86.230.4	BG1	NOT	REQ.		100	VT-1	NA	NA	K	All Nuts & Washers
19-033A	Red Tee To Valve Circ Seam	89.11.12	BJ				100	PT	NA			CFA-7
19-033A	Red Tee To Valve Circ Seam	89.11.12	BJ				100	UT	40843			CFA-7
19-033A	Valve CF-1A Nuts & Washers	86.230.4	BG1				100	VT-1	NA	NA	K	All Nuts & Washers
19-033B	Valve DH-14B Flange	86.220.1	BG1				100	PT	NA			CFA-7
19-034A	Red Tee To Pipe Circ Seam	89.11.13	BJ				100	PT	NA			CFA-6
19-034A	Red Tee To Pipe Circ Seam	89.11.13	BJ				100	UT	40843			CFA-6
19-034A	Valve DH-18 Flange Surfaces	86.220.1	BG1	NOT	REQ.		100	VT-1	NA	NA	K	When Disassembled
19-034B	Valve DH-17 Flange	86.220.2	BG1				100	VT-1	NA	NA	K	CFA-5
19-035A	Pipe To Ell Circ Seam	89.11.14	BJ				100	PT	NA			CFA-5
19-035A	Pipe To Ell Circ Seam	89.11.14	BJ				100	UT	40843			CFA-5
19-035A	Valve DH-13A Flange Surfaces	86.220.2	BG1	NOT	REQ.		100	VT-1	NA	NA	K	CFA-5
19-035B	Valve DH-13B Flange	86.220.3	BG1	NOT	REQ.		100	VT-1	NA	NA	K	CFA-5

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				%	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4				S	I	
19-036A	Ell To Pipe Circ Seam	B9.11.15					100	PT	NA			CFA-4
19-036A	Ell To Pipe Circ Seam	B9.11.15					100	UT	40843			CFA-4
19-036B	Valve DH-16A Flange Surfaces	F6.220.3					100	VT-1	NA	NA	NA	When Disassembled
19-036B	Valve CF-1B Flange	F6.220.4					100	VT-1	NA	NA	NA	
19-037A	Pipe To Ell Circ Seam	B9.11.16					100	PT	NA			CFA-3
19-037A	Pipe To Ell Circ Seam	B9.11.16					100	UT	40843			CFA-3
19-037A	Valve CF-1A Flange Surfaces	F6.220.4					100	VT-1	NA	NA	NA	When Disassembled
19-037B	Restraint DH-175	F3.40.1					100	VT-3	NA	NA	NA	SK#1-610
19-038A	Ell To Valve Circ Seam	B9.11.17					100	PT	NA			CFA-2
19-038A	Ell To Valve Circ Seam	B9.11.17					100	UT	40848			CFA-2
19-038A	Restraint DH-198	F3.40.2					100	VT-3	NA	NA	NA	SK#1-600
19-038B	Restraint DH-171	F3.40.3					100	VT-3	NA	NA	NA	SK#1-608
19-039A	Pipe To Valve Circ Seam	B9.11.18					100	PT	NA			CFA-1
19-039A	Pipe To Valve Circ Seam	B9.11.18					100	UT	40848			CFA-1
19-039A	Spring Hanger DH-197	F3.50.1					100	VT-4	NA	NA	NA	SK#1-602
19-039B	Restraint DH-164	F3.40.4					100	VT-3	NA	NA	NA	SK#1-607
19-040A	Restraint DH-196	F3.40.5					100	VT-3	NA	NA	NA	SK#1-604
19-040B	Spring Hanger DH-163	F3.50.2					100	VT-4	NA	NA	NA	SK#1-606
19-041A	Spring Hanger DH-195	F3.50.3					100	VT-4	NA	NA	NA	SK#1-605
19-041B	Spring Hanger DH-174	F3.50.4					100	VT-4	NA	NA	NA	SK#1-609
19-042A	Pressure Retaining Boundary	B15.50					100	VT-2	NA	NA	NA	System Leakage Test
19-042B	Pressure Retaining Boundary	B15.50					100	VT-2	NA	NA	NA	System Leakage Test
19-043A	Pressure Retaining Boundary	B15.51					100	VT-2	NA	NA	NA	System Hydrotest
19-043B	Pressure Retaining Boundary	B15.51					100	VT-2	NA	NA	NA	System Hydrotest
19-044A	Pressure Retaining Boundary	B15.70					100	VT-2	NA	NA	NA	System Leakage Test
19-044B	Pressure Retaining Boundary	B15.70					100	VT-2	NA	NA	NA	System Leakage Test
19-045A	Pressure Retaining Boundary	B15.71					100	VT-2	NA	NA	NA	System Hydrotest
19-045B	Pressure Retaining Boundary	B15.71					100	VT-2	NA	NA	NA	System Hydrotest



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
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ARKANSAS POWER AND LIGHT CO. INC.
ENGINEER NUMBER 501
NO. 1

CCONE FLOW
ZONE 10

SI - 119

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4				S	I	
20-001	Valve To Pipe Circ Seam	29.11.1					100	PT	NA			HPI-A1-1
20-001	Valve To Pipe Circ Seam	29.11.1					100	UT	40816			HPI-A1-1
20-002	Pipe To Pipe Circ Seam	29.11.2					100	PT	NA			HPI-A1-2
20-002	Pipe To Pipe Circ Seam	29.11.2					100	UT	40816			HPI-A1-2
20-003	Pipe To Ell Circ Seam	29.11.3					100	PT	NA			HPI-A1-3
20-003	Pipe To Ell Circ Seam	29.11.3					100	UT	40816			HPI-A1-3
20-004	Ell To Pipe Circ Seam	29.11.4					100	PT	NA			HPI-A1-4
20-004	Ell To Pipe Circ Seam	29.11.4					100	UT	40816			HPI-A1-4
20-005	Pipe To Ell Circ Seam	29.11.5					100	PT	NA			HPI-A1-5
20-005	Pipe To Ell Circ Seam	29.11.5					100	UT	40816			HPI-A1-5
20-006	Ell To Pipe Circ Seam	29.11.6					100	PT	NA			HPI-A1-6
20-006	Ell To Pipe Circ Seam	29.11.6					100	UT	40816			HPI-A1-6
20-007	Pipe To Ell Circ Seam	29.11.7					100	PT	NA			HPI-A1-7
20-007	Pipe To Ell Circ Seam	29.11.7					100	UT	40816			HPI-A1-7
20-008	Ell To Pipe Circ Seam	29.11.8					100	PT	NA			HPI-A1-8
20-008	Ell To Pipe Circ Seam	29.11.8					100	UT	40816			HPI-A1-8
20-008A	Pipe To Pipe Circ Seam	29.11.9					100	PT	NA			HPI-A1-8A
20-008A	Pipe To Pipe Circ Seam	29.11.9					100	UT	40816			HPI-A1-8A
20-009	Pipe To Pipe Circ Seam	29.11.10					100	PT	NA			HPI-A1-9
20-009	Pipe To Pipe Circ Seam	29.11.10					100	UT	40816			HPI-A1-9
20-010	Pipe To Ell Circ Seam	29.11.11					100	PT	NA			HPI-A1-10
20-010	Pipe To Ell Circ Seam	29.11.11					100	UT	40816			HPI-A1-10
20-011	Ell To Pipe Circ Seam	29.11.12					100	PT	NA			HPI-A1-11
20-011	Ell To Pipe Circ Seam	29.11.12					100	UT	40816			HPI-A1-11
20-012	Pipe To Ell Circ Seam	29.11.13					100	PT	NA			HPI-A1-12
20-012	Pipe To Ell Circ Seam	29.11.13					100	UT	40816			HPI-A1-12
20-013	Ell To Pipe Circ Seam	29.11.14					100	PT	NA			HPI-A1-13
20-013	Ell To Pipe Circ Seam	29.11.14					100	UT	40816			HPI-A1-13
20-014	Pipe To Ell Circ Seam	29.11.15					100	PT	NA			HPI-A1-14
20-014	Pipe To Ell Circ Seam	29.11.15					100	UT	40816			HPI-A1-14
20-015	Ell To Pipe Circ Seam	29.11.16					100	PT	NA			HPI-A1-15
20-015	Ell To Pipe Circ Seam	29.11.16					100	UT	40816			HPI-A1-15
20-016	Pipe To Ell Circ Seam	29.11.17					100	PT	NA			HPI-A1-16
20-016	Pipe To Ell Circ Seam	29.11.17					100	UT	40816			HPI-A1-16

HPI TO AI LOOP

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
20-016	Pipe To Ell Circ Seam	89.11.17					100	UT	40816				HPI-A1-16
20-017	Ell To Pipe Circ Seam	89.11.18					100	PT	NA				HPI-A1-17
20-018	Ell To Pipe Circ Seam	89.11.18					100	UT	40816				HPI-A1-17
20-018	Pipe To Ell Circ Seam	89.11.19					100	PT	NA				HPI-A1-18
20-018	Pipe To Ell Circ Seam	89.11.19					100	UT	40816				HPI-A1-18
20-019	Ell To Pipe Circ Seam	89.11.20					100	PT	NA				HPI-A1-19
20-019	Ell To Pipe Circ Seam	89.11.20					100	UT	40816				HPI-A1-19
20-020	Pipe To Ell Circ Seam	89.11.21					100	PT	NA				HPI-A1-20
20-020	Pipe To Ell Circ Seam	89.11.21					100	UT	40816				HPI-A1-20
20-021	Ell To Pipe Circ Seam	89.11.22					100	PT	NA				HPI-A1-21
20-021	Ell To Pipe Circ Seam	89.11.22					100	UT	40816				HPI-A1-21
20-022	Pipe To Ell Circ Seam	89.11.23					100	PT	NA				HPI-A1-22
20-022	Pipe To Ell Circ Seam	89.11.23					100	UT	40816				HPI-A1-22
20-023	Ell To Pipe Circ Seam	89.11.24					100	PT	NA				HPI-A1-23
20-023	Ell To Pipe Circ Seam	89.11.24					100	UT	40816				HPI-A1-23
20-024	Pipe To Ell Circ Seam	89.11.25					100	PT	NA				HPI-A1-24
20-024	Pipe To Ell Circ Seam	89.11.25					100	UT	40816				HPI-A1-24
20-025	Ell To Pipe Circ Seam	89.11.26					100	PT	NA				HPI-A1-25
20-025	Ell To Pipe Circ Seam	89.11.26					100	UT	40816				HPI-A1-25
20-026	Pipe To Pipe Circ Seam	89.11.27					100	PT	NA		X	X	HPI-A1-26
20-026	Pipe To Pipe Circ Seam	89.11.27					100	UT	40816		X	X	HPI-A1-26
20-027	Pipe To Ell Circ Seam	89.11.28					100	PT	NA		X	X	HPI-A1-27
20-027	Pipe To Ell Circ Seam	89.11.28					100	UT	40816		X	X	HPI-A1-27
20-028	Ell To Pipe Circ Seam	89.11.29					100	PT	NA		X	X	HPI-A1-28
20-028	Ell To Pipe Circ Seam	89.11.29					100	UT	40816		X	X	HPI-A1-28
20-029	Pipe To Pipe Circ Seam	89.11.30					100	PT	NA				HPI-A1-29
20-029	Pipe To Pipe Circ Seam	89.11.30					100	UT	40816				HPI-A1-29
20-030	Pipe To Ell Circ Seam	89.11.31					100	PT	NA		X	X	HPI-A1-30
20-030	Pipe To Ell Circ Seam	89.11.31					100	UT	40816		X	X	HPI-A1-30
20-031	Ell To Pipe Circ Seam	89.11.32					100	PT	NA		X	X	HPI-A1-31
20-031	Ell To Pipe Circ Seam	89.11.32					100	UT	40816		X	X	HPI-A1-31
20-032	Pipe To Ell Circ Seam	89.11.33					100	PT	NA		X	X	HPI-A1-32
20-032	Pipe To Ell Circ Seam	89.11.33					100	UT	40816		X	X	HPI-A1-32

HPI TO A1 LOOP

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
20-033	Ell To Pipe Circ Seam	B9.11.34			1d		100	PT	NA	X	X	X	HPI-A1-33
20-033	Ell To Pipe Circ Seam	B9.11.34			1d		100	UT	40816	X	X	X	HPI-A1-33
20-034	Pipe To Pipe Circ Seam	B9.11.35			9		100	PT	NA	X	X	X	HPI-A1-34
20-034	Pipe To Pipe Circ Seam	B9.11.35			9		100	UT	40816	X	X	X	HPI-A1-34
20-035	Pipe To Valve Circ Seam	B9.11.36			9		100	PT	NA	X	X	X	HPI-A1-35
20-035	Pipe To Valve Circ Seam	B9.11.36			9		100	UT	40816	X	X	X	HPI-A1-35
20-036	Valve To Ell Circ Seam	B9.11.37			9		100	PT	NA	X	X	X	HPI-A1-36
20-036	Valve To Ell Circ Seam	B9.11.37			9		100	UT	40816	X	X	X	HPI-A1-36
20-037	Ell To Pipe Circ Seam	B9.11.38					100	PT	NA				HPI-A1-37
20-037	Ell To Pipe Circ Seam	B9.11.38					100	UT	40816				HPI-A1-37
20-038	Pipe To Pipe Circ Seam	B9.11.39			8		100	PT	NA	X	X	X	HPI-A1-38
20-038	Pipe To Pipe Circ Seam	B9.11.39			8		100	UT	40816	X	X	X	HPI-A1-38
20-039	Pipe To Ell Circ Seam	B9.11.40			8		100	PT	NA	X	X	X	HPI-A1-39
20-039	Pipe To Ell Circ Seam	B9.11.40			8		100	UT	40816	X	X	X	HPI-A1-39
20-040	Ell To Pipe Circ Seam	B9.11.41			8		100	PT	NA	X	X	X	HPI-A1-40
20-040	Ell To Pipe Circ Seam	B9.11.41			8		100	UT	40816	X	X	X	HPI-A1-40
20-041	Pipe To Valve Circ Seam	B9.11.42			7		100	PT	NA	X	X	X	HPI-A1-41
20-041	Pipe To Valve Circ Seam	B9.11.42			7		100	UT	40816	X	X	X	HPI-A1-41
20-042	Valve To Pipe Circ Seam	B9.11.43			7		100	PT	NA	X	X	X	HPI-A1-42
20-042	Valve To Pipe Circ Seam	B9.11.43			7		100	UT	40816	X	X	X	HPI-A1-42
20-043	Pipe To Ell Circ Seam	B9.11.44			7		100	PT	NA	X	X	X	HPI-A1-43
20-043	Pipe To Ell Circ Seam	B9.11.44			7		100	UT	40816	X	X	X	HPI-A1-43
20-044	Pipe To Pipe Circ Seam	B9.11.45			7		100	PT	NA	X	X	X	HPI-A1-44
20-044	Pipe To Pipe Circ Seam	B9.11.45			7		100	UT	40816	X	X	X	HPI-A1-44
20-045	Ell To Pipe Circ Seam	B5.50.1			BF 7		100	PT	NA	X	X	X	HPI-A1-45 Safe End
20-045	Pipe To P32C Disch Safe End	B5.50.1			BF 7		100	UT	40816	X	X	X	HPI-A1-45 Safe End
20-046	Pipe To Red Circ Seam	B9.11.46					100	PT	NA				FW-62
20-046	Pipe To Red Circ Seam	B9.11.46					100	UT	40816				FW-62
20-047	Red To Valve Circ Seam	B9.11.47					100	PT	NA				FW-61
20-047	Red To Valve Circ Seam	B9.11.47					100	UT	40816				FW-61
20-048	Valve To Pipe Circ Seam	B9.11.48					100	PT	NA				FW-2
20-048	Valve To Pipe Circ Seam	B9.11.48					100	UT	40816				FW-2
20-049	Pipe To Tee Circ Seam	B9.11.49					100	PT	NA				FW-3
20-049	Pipe To Tee Circ Seam	B9.11.49					100	UT	NA				FW-3

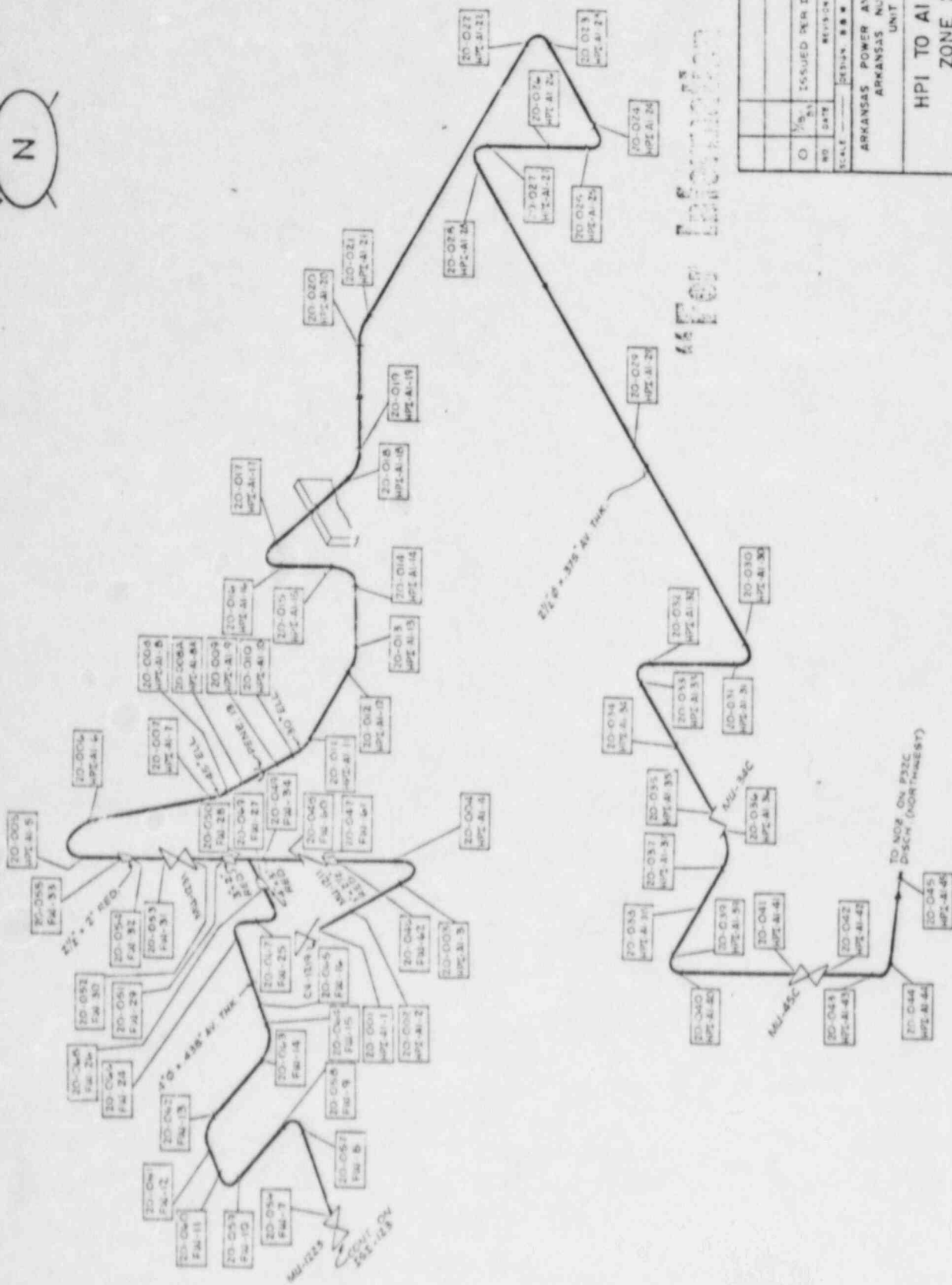
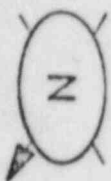
PROGRAM PLAN AND SCHEDULE
ZONE - 20
COMPONENT DESCRIPTION
HPI TO AI LOOP

FORM ENG-011
ASO-UNIT-ONE
FILLING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
20-049	Pipe To Tee Circ Seam	89.11.59					100	UT	40816				FW-3
20-050	Tee To Red Circ Seam	89.11.50					100	PT	NA				FW-28
20-050	Tee To Red Circ Seam	89.11.50					100	UT	40816				FW-28
20-051	Red To Pipe Circ Seam	89.11.51					100	PT	NA				FW-29
20-051	Red To Pipe Circ Seam	89.11.51					100	UT	40816				FW-29
20-052	Pipe To Valve Circ Seam	89.11.52					100	PT	NA				FW-30
20-052	Pipe To Valve Circ Seam	89.11.52					100	UT	40816				FW-30
20-053	Valve To Pipe Circ Seam	89.11.53					100	PT	NA				FW-31
20-053	Valve To Pipe Circ Seam	89.11.53					100	UT	40816				FW-31
20-054	Pipe To Red Circ Seam	89.11.54					100	PT	NA				FW-32
20-054	Pipe To Red Circ Seam	89.11.54					100	UT	40816				FW-32
20-055	Red To Pipe Circ Seam	89.11.55					100	PT	NA				FW-33
20-055	Red To Pipe Circ Seam	89.11.55					100	UT	40816				FW-33
20-056	Valve To Pipe Circ Seam	89.11.56					100	PT	NA				FW-7
20-056	Valve To Pipe Circ Seam	89.11.56					100	UT	40816				FW-7
20-057	Valve To Pipe Circ Seam	89.11.57					100	PT	NA				FW-8
20-057	Valve To Pipe Circ Seam	89.11.57					100	UT	40816				FW-8
20-058	Pipe To Ell Circ Seam	89.11.58					100	PT	NA				FW-9
20-058	Pipe To Ell Circ Seam	89.11.58					100	UT	40816				FW-9
20-059	Ell To Pipe Circ Seam	89.11.59					100	PT	NA				FW-10
20-059	Ell To Pipe Circ Seam	89.11.59					100	UT	40816				FW-10
20-060	Pipe To Ell Circ Seam	89.11.60					100	PT	NA				FW-11
20-060	Pipe To Ell Circ Seam	89.11.60					100	UT	40816				FW-11
20-061	Ell To Pipe Circ Seam	89.11.61					100	PT	NA				FW-12
20-061	Ell To Pipe Circ Seam	89.11.61					100	UT	40816				FW-12
20-062	Pipe To Ell Circ Seam	89.11.62					100	PT	NA				FW-13
20-062	Pipe To Ell Circ Seam	89.11.62					100	UT	40816				FW-13
20-063	Ell To Pipe Circ Seam	89.11.63					100	PT	NA				FW-14
20-063	Ell To Pipe Circ Seam	89.11.63					100	UT	40816				FW-14
20-064	Pipe To Ell Circ Seam	89.11.64					100	PT	NA				FW-15
20-064	Pipe To Ell Circ Seam	89.11.64					100	UT	40816				FW-15
20-065	Ell To Pipe Circ Seam	89.11.65					100	PT	NA				FW-16
20-065	Ell To Pipe Circ Seam	89.11.65					100	UT	40816				FW-16

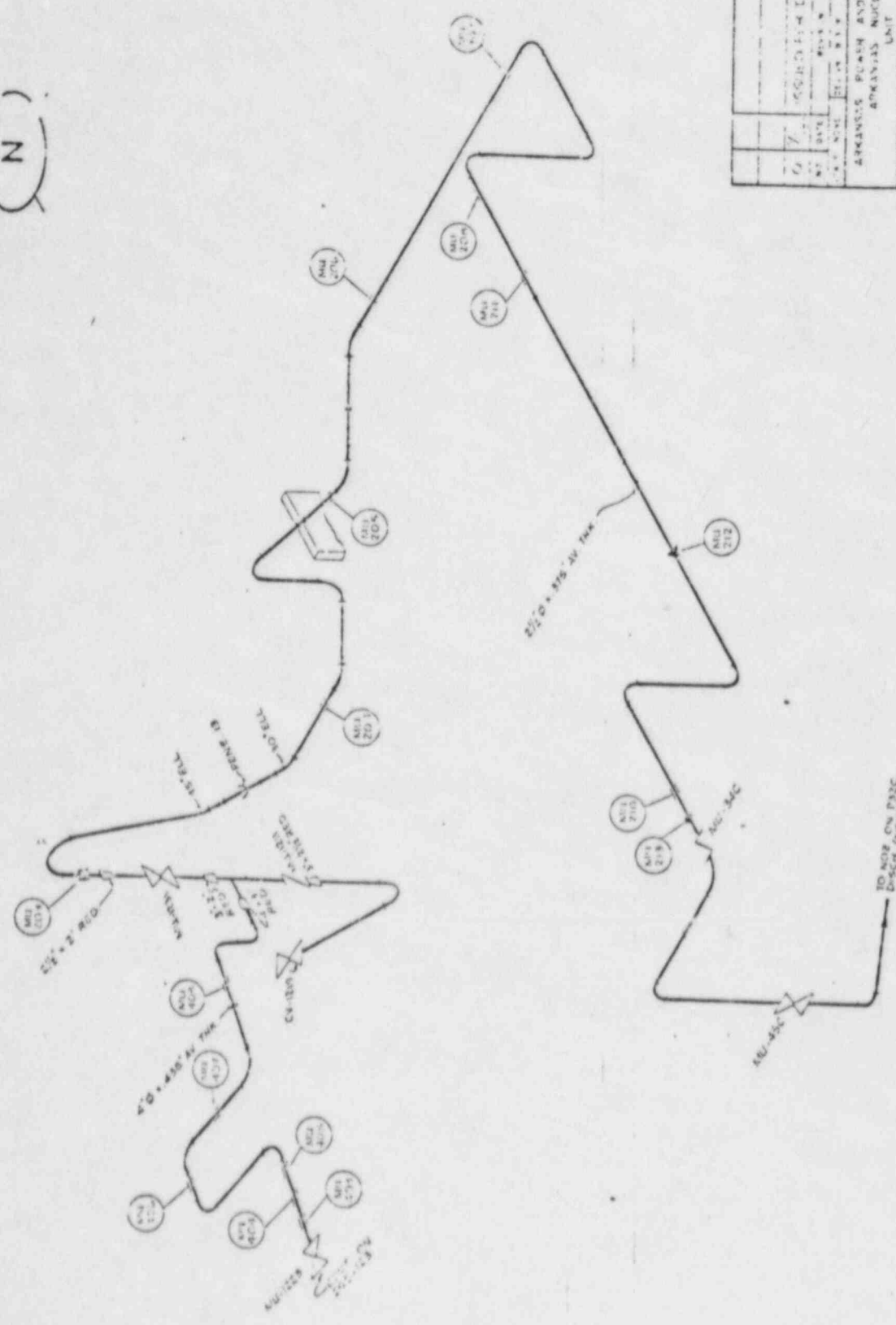
EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4				S	I	
20-066	Pipe To Ell Circ Seam	B1					100	PT	NA			FW-24
20-066	Pipe To Ell Circ Seam	B1					100	UT	40816			FW-24
20-067	Pipe To Ell Circ Seam	B1					100	PT	NA			FW-25
20-067	Pipe To Ell Circ Seam	B1					100	PT	40816			FW-25
20-068	Pipe To Ell Circ Seam	B1					100	PT	NA			FW-26
20-068	Pipe To Ell Circ Seam	B1					100	PT	40816			FW-26
20-069	Pipe To Tee Circ Seam	B1					100	PT	NA			FW-27
20-069	Pipe To Tee Circ Seam	B1					100	PT	40816			FW-27
20-070	Pipe To Tee Circ Seam	B1					100	PT	NA			FW-35
20-070	Pipe To Tee Circ Seam	B1					100	PT	40816			FW-35
20-071	Pipe To Pipe Circ Seam	B2					100	VT-3	NA	NA	NA	Internal
20-071	Pipe To Pipe Circ Seam	B2					100	VT-3	NA	NA	NA	Internal
20-072	2" Valve MV-1211	B2					100	VT-3	NA	NA	NA	Internal
20-072	2" Valve MV-1211	B2					100	VT-3	NA	NA	NA	Internal
20-073	2" Valve MV-1219	B2					100	VT-3	NA	NA	NA	Internal
20-073	2" Valve MV-1219	B2					100	VT-3	NA	NA	NA	Internal
20-074	2" Valve MV-1231	B2					100	VT-3	NA	NA	NA	Internal
20-074	2" Valve MV-1231	B2					100	VT-3	NA	NA	NA	Internal
20-075	2" Valve MV-34C	B2					100	VT-3	NA	NA	NA	Internal
20-075	2" Valve MV-34C	B2					100	VT-3	NA	NA	NA	Internal
20-076	2" Valve MV-55C	B2					100	VT-1	NA			
20-076	2" Valve MV-55C	B2					100	VT-1	NA			
20-077	Valve MV-1211 Bolts-Studs-Nuts	B2					100	VT-1	NA			
20-077	Valve MV-1211 Bolts-Studs-Nuts	B2					100	VT-1	NA			
20-078	Valve MV-1211 Bolts-Studs-Nuts	B2					100	VT-1	NA			
20-078	Valve MV-1211 Bolts-Studs-Nuts	B2					100	VT-1	NA			
20-079	Valve MV-1219 Bolts-Studs-Nuts	B2					100	VT-1	NA			
20-079	Valve MV-1219 Bolts-Studs-Nuts	B2					100	VT-1	NA			
20-080	Valve MV-1231 Bolts-Studs-Nuts	B2					100	VT-1	NA			
20-080	Valve MV-1231 Bolts-Studs-Nuts	B2					100	VT-1	NA			
20-081	Valve MV-14C Bolts-Studs-Nuts	B2					100	VT-1	NA			
20-081	Valve MV-14C Bolts-Studs-Nuts	B2					100	VT-1	NA			
20-082	Valve MV-55C Bolts-Studs-Nuts	B2					100	VT-1	NA			
20-082	Valve MV-55C Bolts-Studs-Nuts	B2					100	VT-1	NA			
20-083	Guide Stop MV-212	B3					100	PT	NA	X	X	SK#1-561
20-083	Guide Stop MV-212	B3					100	PT	NA	NA	NA	SK#1-563
20-084	Shield Hanger MV-203	F-C					100	VT-3	NA	NA	NA	SK#1-550
20-084	Shield Hanger MV-203	F-C					100	VT-3	NA	NA	NA	SK#1-551
20-085	Guide MV-204	F-C					100	VT-3	NA	NA	NA	SK#1-554
20-085	Guide MV-204	F-C					100	VT-3	NA	NA	NA	SK#1-555
20-086	Guide MV-205	F-C					100	VT-3	NA	NA	NA	SK#1-560
20-086	Guide MV-205	F-C					100	VT-3	NA	NA	NA	SK#1-561
20-087	Guide MV-207	F-C					100	VT-3	NA	NA	NA	SK#1-558
20-087	Guide MV-207	F-C					100	VT-3	NA	NA	NA	SK#1-562
20-088	Guide MV-208	F-C					100	VT-3	NA	NA	NA	SK#1-552
20-088	Guide MV-208	F-C					100	VT-3	NA	NA	NA	SK#1-552
20-089	Guide MV-211	F-C					100	VT-3	NA	NA	NA	SK#1-552
20-089	Guide MV-211	F-C					100	VT-3	NA	NA	NA	SK#1-552
20-090	Guide Stop MV-212	F-C					100	VT-3	NA	NA	NA	SK#1-558
20-090	Guide Stop MV-212	F-C					100	VT-3	NA	NA	NA	SK#1-562
20-091	Restraint MV-210	F-C					100	VT	NA	NA	NA	SK#1-552
20-091	Restraint MV-210	F-C					100	VT	NA	NA	NA	SK#1-552
20-092	Spring Hanger MV-213	F-C					100	VT-3	NA	NA	NA	SK#1-552
20-092	Spring Hanger MV-213	F-C					100	VT-3	NA	NA	NA	SK#1-552
20-093	Guide MV-206	F-C					100	VT-3	NA	NA	NA	SK#1-552
20-093	Guide MV-206	F-C					100	VT-3	NA	NA	NA	SK#1-552

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				%	EXAM METHOD	CAL BLOCK	FRFP-REQ			REMARKS
			1	2	3	4				S	I	WP	
20-094	Guide MU-403	F3.30.10	F-C				100	VT-3	NA	NA	NA	NA	CCA-5-MU-403
20-095	Guide MU-404	F3.30.11	F-C				100	VT-3	NA	NA	NA	NA	CCA-5-MU-404
20-096	Guide MU-405	F3.30.12	F-C				100	VT-3	NA	NA	NA	NA	CCA-5-MU-405
20-097	Guide MU-406	F3.30.13	F-C				100	VT-3	NA	NA	NA	NA	CCA-5-MU-406
20-098	Guide MU-407	F3.30.14	F-C				100	VT-3	NA	NA	NA	NA	CCA-5-MU-407
20-099	Guide MU-408	F3.30.15	F-C				100	VT-3	NA	NA	NA	NA	CCA-5-MU-408
20-100	Pressure Retaining Boundary	R15.50	B-P	7	8	9	10	VT-2	NA	NA	NA	NA	System Leakage Test
20-101	Pressure Retaining Boundary	R15.51	B-P					VT-2	NA	NA	NA	NA	System Hydrotest
20-102	Pressure Retaining Boundary	R15.70	B-P	7	8	9	10	VT-2	NA	NA	NA	NA	System Leakage Test
20-103	Pressure Retaining Boundary	R15.71	B-P					VT-2	NA	NA	NA	NA	System Hydrotest



NO.	DATE	ISSUED PER I.S.E.	R.J.T.	BY	DATE
0					
SCALE: DESIGNER: REVISION: UNIT: 1					
ARKANSAS POWER AND LIGHT COMPANY					
ARKANSAS NUCLEAR ONE					
HPI TO AI LOOP					
ZONE 20					
REV	NO	DATE			
0		12-12-77			





UNIT	7	SECTION	ISI	UNIT	20
NO. DATE		REV. NO.		REV. DATE	
APPROVED		DESIGNED		DATE	
ARGONNE PURNAP AND LIGHT COMPANY ADVANCED NUCLEAR ONE UNIT 1					
HPI TO AI LOOP ZONE 20					
ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED DATE 01-12-2011 BY 60322 UCBAW					

FOR INFORMATION ONLY

THIS DOCUMENT IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4				S	I WP	
21-001	Valve To Red Circ Seam	B9.11.1	RJ	7			100	PT	NA	X	X	FW-16
21-001	Valve To Red Circ Seam	B9.11.1	RJ	7			100	UT	40816	X	X	FW-16
21-002	Red To Valve Circ Seam	B9.11.2	RJ	7			100	PT	NA	X	X	FW-15
21-002	Red To Valve Circ Seam	B9.11.2	RJ	7			100	UT	40816	X	X	FW-15
21-003	Valve To Pipe Circ Seam	B9.11.3	RJ				100	PT	NA			FW-16
21-003	Valve To Pipe Circ Seam	B9.11.3	RJ				100	UT	40816			FW-16
21-004	Pipe To Tee Circ Seam	B9.11.4	RJ	7			100	PT	NA	X	X	FW-13
21-004	Pipe To Tee Circ Seam	B9.11.4	RJ	7			100	UT	40816	X	X	FW-13
21-005	Tee To Red Circ Seam	B9.11.5	RJ	8			100	PT	NA	X	X	FW-17
21-005	Tee To Red Circ Seam	B9.11.5	RJ	8			100	UT	40816	X	X	FW-17
21-006	Red To Valve Circ Seam	B9.11.6	RJ	8			100	PT	NA	X	X	FW-18
21-006	Red To Valve Circ Seam	B9.11.6	RJ	8			100	UT	40816	X	X	FW-18
21-007	Tee To Pipe Circ Seam	B9.11.7	RJ				100	PT	NA			FW-62
21-007	Tee To Pipe Circ Seam	B9.11.7	RJ				100	UT	40816			FW-62
21-008	Pipe To Pipe Circ Seam	B9.11.8	RJ	8			100	PT	NA	X	X	FW-11
21-008	Pipe To Pipe Circ Seam	B9.11.8	RJ	8			100	UT	40816	X	X	FW-11
21-009	Pipe To Valve Circ Seam	B9.11.9	RJ				100	PT	NA			FW-10
21-009	Pipe To Valve Circ Seam	B9.11.9	RJ				100	UT	40816			FW-10
21-010	Valve To Red Circ Seam	B9.11.10	RJ	9			100	PT	NA	V	X	FW-9
21-010	Valve To Red Circ Seam	B9.11.10	RJ	9			100	UT	40816	X	X	FW-9
21-011	Red To Pipe Circ Seam	B9.11.11	RJ	9			100	PT	NA	X	X	FW-8
21-011	Red To Pipe Circ Seam	B9.11.11	RJ	9			100	UT	40816	X	X	FW-8
21-012	Pipe To Valve Circ Seam	B9.11.12	RJ	9			100	PT	NA	X	X	FW-56
21-012	Pipe To Valve Circ Seam	B9.11.12	RJ	9			100	UT	40816	X	X	FW-56
21-013	Valve To Pipe Circ Seam	B9.11.13	RJ	10			100	PT	NA	X	X	FW-58
21-013	Valve To Pipe Circ Seam	B9.11.13	RJ	10			100	UT	40816	X	X	FW-58
21-014	Pipe To Ell Circ Seam	B9.11.14	RJ	10			100	PT	NA	X	X	FW-7
21-014	Pipe To Ell Circ Seam	B9.11.14	RJ	10			100	UT	40816	X	X	FW-7
21-015	Ell To Pipe Circ Seam	B9.11.15	RJ	10			100	PT	NA	X	X	FW-6
21-015	Ell To Pipe Circ Seam	B9.11.15	RJ	10			100	UT	40816	X	X	FW-6
21-016	Pipe To Tee Circ Seam	B9.11.16	RJ	11			100	PT	NA	X	X	FW-58B
21-016	Pipe To Tee Circ Seam	B9.11.16	RJ	11			100	UT	40816	X	X	FW-58B
21-017	Tee To Pipe Circ Seam	B9.11.17	RJ	11			100	PT	NA	X	X	FW-2
21-017	Tee To Pipe Circ Seam	B9.11.17	RJ	11			100	UT	NA	X	X	FW-2

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
21-017	Tee To Pipe Circ Seam	B9.11.17					100	UT	40816	X	X	X	FW-2
21-018	Pipe To Pipe Circ Seam	B9.11.18					100	PT	NA	X	X	X	FW-1
21-018	Pipe To Pipe Circ Seam	B9.11.18					100	UT	40816	X	X	X	FW-1
21-019	Pipe To Valve Circ Seam	B9.11.19					100	PT	NA	X	X	X	HPI-A2-8
21-019	Pipe To Valve Circ Seam	B9.11.19					100	UT	40816	X	X	X	HPI-A2-8
21-020	Tee To Pipe Circ Seam	B9.11.20					100	PT	NA				FW-61
21-020	Tee To Pipe Circ Seam	B9.11.20					100	UT	40816				FW-61
21-021	Pipe To Ell Circ Seam	B9.11.21					100	PT	NA				FW-3
21-021	Pipe To Ell Circ Seam	B9.11.21					100	UT	40816				FW-3
21-022	Ell To Pipe Circ Seam	B9.11.22					100	PT	NA				FW-59
21-022	Ell To Pipe Circ Seam	B9.11.22					100	UT	40816				FW-59
21-023	Pipe To Pipe Circ Seam	B9.11.23					100	PT	NA				FW-54
21-023	Pipe To Pipe Circ Seam	B9.11.23					100	UT	40816				FW-54
21-024	Pipe To Ell Circ Seam	B9.11.24					100	PT	NA				FW-4
21-024	Pipe To Ell Circ Seam	B9.11.24					100	UT	40816				FW-4
21-025	Ell To Pipe Circ Seam	B9.11.25					100	PT	NA				FW-5
21-025	Ell To Pipe Circ Seam	B9.11.25					100	UT	40816				FW-5
21-026	Pipe To Pipe Circ Seam	B9.11.26					100	PT	NA				HPI-A2-4
21-026	Pipe To Pipe Circ Seam	B9.11.26					100	UT	40816				HPI-A2-4
21-027	Pipe To Pipe Circ Seam	B9.11.27					100	PT	NA				HPI-A2-9
21-027	Pipe To Pipe Circ Seam	B9.11.27					100	UT	40816				HPI-A2-9
21-028	Pipe To Ell Circ Seam	B9.11.28					100	PT	NA				HPI-A2-10
21-028	Pipe To Ell Circ Seam	B9.11.28					100	UT	40816				HPI-A2-10
21-029	Ell To Pipe Circ Seam	B9.11.29					100	PT	NA				HPI-A2-11
21-029	Ell To Pipe Circ Seam	B9.11.29					100	UT	40816				HPI-A2-11
21-030	Pipe To Ell Circ Seam	B9.11.30					100	PT	NA				HPI-A2-12
21-030	Pipe To Ell Circ Seam	B9.11.30					100	UT	40816				HPI-A2-12
21-031	Ell To Pipe Circ Seam	B9.11.31					100	PT	NA				HPI-A2-13
21-031	Ell To Pipe Circ Seam	B9.11.31					100	UT	40816				HPI-A2-13
21-032	Pipe To Ell Circ Seam	B9.11.32					100	PT	NA				HPI-A2-14
21-032	Pipe To Ell Circ Seam	B9.11.32					100	UT	40816				HPI-A2-14
21-033	Ell To Pipe Circ Seam	B9.11.33					100	PT	NA				HPI-A2-15
21-033	Ell To Pipe Circ Seam	B9.11.33					100	UT	40816				HPI-A2-15

HPI TO A2 LOOP

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4				S	I	
21-034	Pipe To Ell Circ Seam	89.11.34					100	PT	NA			HPI-A2-16
21-034	Pipe To Ell Circ Seam	89.11.34					100	UT	40816			HPI-A2-16
21-035	Ell To Pipe Circ Seam	89.11.35					100	PT	NA			HPI-A2-17
21-035	Ell To Pipe Circ Seam	89.11.35					100	UT	40816			HPI-A2-17
21-036	Pipe To Ell Circ Seam	89.11.36					100	PT	NA			HPI-A2-18
21-036	Pipe To Ell Circ Seam	89.11.36					100	UT	40816			HPI-A2-18
21-037	Ell To Pipe Circ Seam	89.11.37					100	PT	NA			HPI-A2-19
21-037	Ell To Pipe Circ Seam	89.11.37					100	UT	40816			HPI-A2-19
21-038	Pipe To Ell Circ Seam	89.11.38					100	PT	NA			HPI-A2-20
21-038	Pipe To Ell Circ Seam	89.11.38					100	UT	40816			HPI-A2-20
21-039	Ell To Pipe Circ Seam	89.11.39					100	PT	NA			HPI-A2-21
21-039	Ell To Pipe Circ Seam	89.11.39					100	UT	40816			HPI-A2-21
21-040	Pipe To Ell Circ Seam	89.11.40					100	PT	NA			HPI-A2-22
21-040	Pipe To Ell Circ Seam	89.11.40					100	UT	40816			HPI-A2-22
21-041	Ell To Pipe Circ Seam	89.11.41					100	PT	NA			HPI-A2-23
21-041	Ell To Pipe Circ Seam	89.11.41					100	UT	40816			HPI-A2-23
21-042	Pipe To Ell Circ Seam	89.11.42					100	PT	NA			HPI-A2-24
21-042	Pipe To Ell Circ Seam	89.11.42					100	UT	40816			HPI-A2-24
21-043	Ell To Pipe Circ Seam	89.11.43					100	PT	NA			HPI-A2-25
21-043	Ell To Pipe Circ Seam	89.11.43					100	UT	40816			HPI-A2-25
21-044	Pipe To Ell Circ Seam	89.11.44					100	PT	NA			HPI-A2-26
21-044	Pipe To Ell Circ Seam	89.11.44					100	UT	40816			HPI-A2-26
21-045	Ell To Pipe Circ Seam	89.11.45					100	PT	NA			HPI-A2-27
21-045	Ell To Pipe Circ Seam	89.11.45					100	UT	40816			HPI-A2-27
21-046	Pipe To Pipe Circ Seam	89.11.46					100	PT	NA			HPI-A2-28
21-046	Pipe To Pipe Circ Seam	89.11.46					100	UT	40816			HPI-A2-28
21-047	Pipe To Ell Circ Seam	89.11.47					100	PT	NA			HPI-A2-29
21-047	Pipe To Ell Circ Seam	89.11.47					100	UT	40816			HPI-A2-29
21-048	Ell To Pipe Circ Seam	89.11.48					100	PT	NA			HPI-A2-30
21-048	Ell To Pipe Circ Seam	89.11.48					100	UT	40816			HPI-A2-30
21-049	Pipe To Pipe Circ Seam	89.11.49					100	PT	NA			HPI-A2-31
21-049	Pipe To Pipe Circ Seam	89.11.49					100	UT	40816			HPI-A2-31
21-050	Pipe To Pipe Circ Seam	89.11.50					100	PT	NA			HPI-A2-32

PROGRAM PLAN AND SCHEDULE

FORM ENG-011

ANO-UNIT-ONE

PIPING PRESSURE BOUNDARY

ZONE - 21

COMPONENT DESCRIPTION

HPI TO A2 LOOP

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
1-050	Pipe To Pipe Circ Seam	89.11.50					100	UT	40816				HPI-A2-32
1-051	Pipe To Ell Circ Seam	89.11.51					100	PT	NA				HPI-A2-33
1-051	Pipe To Ell Circ Seam	89.11.51					100	UT	40816				HPI-A2-33
1-052	Pipe To Ell Circ Seam	89.11.52					100	PT	NA				HPI-A2-34
1-052	Pipe To Ell Circ Seam	89.11.52					100	UT	40816				HPI-A2-34
1-053	Pipe To Valve Circ Seam	89.11.53					100	PT	NA				HPI-A2-35
1-053	Pipe To Valve Circ Seam	89.11.53					100	UT	40816				HPI-A2-35
1-054	Valve To Ell Circ Seam	89.11.54					100	PT	NA				HPI-A2-36
1-054	Valve To Ell Circ Seam	89.11.54					100	UT	40816				HPI-A2-36
1-055	Valve To Ell Circ Seam	89.11.55					100	PT	NA				HPI-A2-37
1-055	Pipe To Pipe Circ Seam	89.11.55					100	UT	40816				HPI-A2-37
1-056	Pipe To Pipe Circ Seam	89.11.56					100	PT	NA				HPI-A2-38
1-056	Pipe To Pipe Circ Seam	89.11.56					100	UT	40816				HPI-A2-38
1-057	Pipe To Ell Circ Seam	89.11.57					100	PT	NA				HPI-A2-39
1-057	Pipe To Ell Circ Seam	89.11.57					100	UT	40816				HPI-A2-39
1-058	Pipe To Pipe Circ Seam	89.11.58					100	PT	NA				HPI-A2-40
1-058	Pipe To Pipe Circ Seam	89.11.58					100	UT	40816				HPI-A2-40
1-059	Pipe To Valve Circ Seam	89.11.59					100	PT	NA				HPI-A2-41
1-059	Pipe To Valve Circ Seam	89.11.59					100	UT	40816				HPI-A2-41
1-060	Valve To Pipe Circ Seam	89.11.60					100	PT	NA				HPI-A2-42
1-060	Valve To Pipe Circ Seam	89.11.60					100	UT	40816				HPI-A2-42
1-061	Pipe To Pipe Circ Seam	89.11.61					100	PT	NA				HPI-A2-43
1-061	Pipe To Pipe Circ Seam	89.11.61					100	UT	40816				HPI-A2-43
1-062	Pipe To Ell Circ Seam	89.11.62					100	PT	NA				HPI-A2-44
1-062	Pipe To Ell Circ Seam	89.11.62					100	UT	40816				HPI-A2-44
1-063	Pipe To Pipe Circ Seam	89.11.63					100	PT	NA				HPI-A2-45
1-063	Pipe To Pipe Circ Seam	89.11.63					100	UT	40816				HPI-A2-45
1-064	Pipe To P34D Disch Safe End	85.50.1					100	PT	NA				HPI-A2-SE
1-064	Pipe To P34D Disch Safe End	85.50.1					100	UT	40816				HPI-A2-SE
1-065	2" Valve CV-1220	812.40.1					NA	VT-3	NA				Internal Surface
1-066	3" Valve MU-1224	812.40.2					NA	VT-3	NA				Internal Surface
1-067	3" Valve MU-1238	812.40.3					NA	VT-3	NA				Internal Surface
1-068	3" Valve CV-1234	812.40.4					NA	VT-3	NA				Internal Surface

PROGRAM PLAN AND SCHEDULE

ZONE- 21

COMPONENT DESCRIPTION

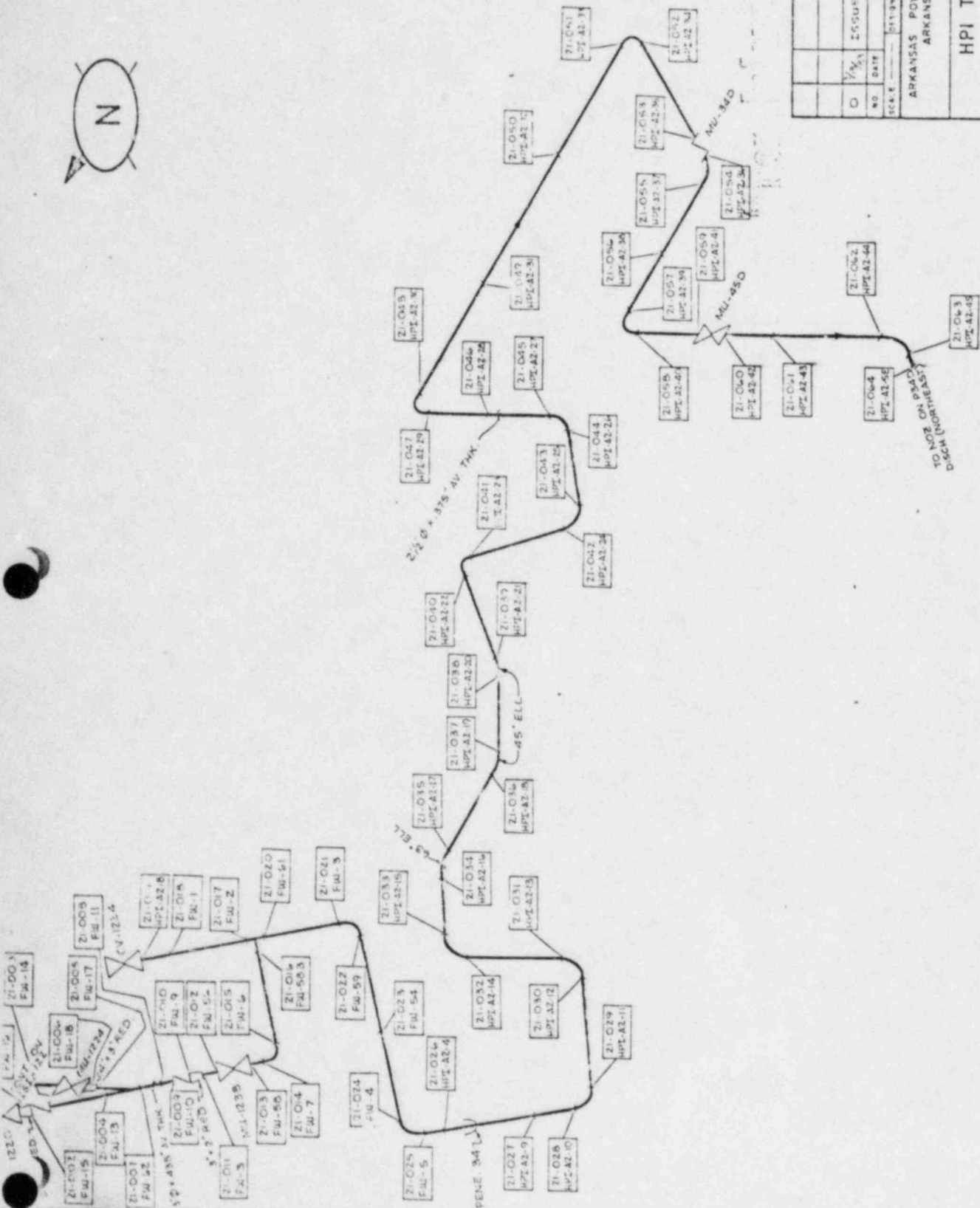
HPI TO AZ LOOP

FORM ENG-011

ANO-UNIT-ONE

PIPING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
21-069	2 1/2" Valve MU-34D	B12.40.5	NOT	REQ			NA	VT-3	NA	X	X	X	Internal Surface
21-070	2 1/2" Valve MU-45D	B12.40.6			11		NA	VT-3	NA	X	X	X	Internal Surface
21-071	Pump P32D	B12.20.1			11		100	VT-3	NA	X	X	X	Internal Surface
21-072	Pump P32D Bolts & Studs	B6.180.1			11		100	UT		X	X	X	All Bolts & Studs
21-073	Pump P32D Nuts & Washers	B6.200.1			11		100	VT-1	NA	X	X	X	All Nuts & Washers
21-074	Pump P32D Flange Surfaces	B6.190.1			11		100	VT-1	NA	X	X	X	
21-074	Valve CV-1220 Bolts-Studs-Nuts	B7.70.1			11		100	VT-1	NA	X	X	X	
21-075	Valve MU-1224 Bolts-Studs-Nuts	B7.70.2			11		100	VT-1	NA	X	X	X	
21-076	Valve MU-1238 Bolts-Studs-Nuts	B7.70.3			11		100	VT-1	NA	X	X	X	
21-077	Valve CV-1234 Bolts-Studs-Nuts	B7.70.4	NOT	REQ			100	VT-1	NA	X	X	X	
21-078	Valve MU-34D Bolts-Studs-Nuts	B7.70.5	NOT	REQ			100	VT-1	NA	X	X	X	
21-079	Valve MU-45D Bolts-Studs-Nuts	B7.70.6	NOT	REQ			100	VT-1	NA	X	X	X	
21-080	Rigid Hanger MU-194	F3.30.1	F-C	7			100	VT-3	NA	NA	NA	NA	SK#1-541
21-081	Guide MU-195	F3.40.1	F-C				100	VT-3	NA	NA	NA	NA	SK#1-542
21-082	Guide MU-196	F3.40.2	F-C				100	VT-3	NA	NA	NA	NA	SK#1-544
21-083	Guide MU-198	F3.40.3	F-C				100	VT-3	NA	NA	NA	NA	SK#1-546
21-084	Spring Hanger MU-199	F3.50.1	F-C	8			100	VT-4	NA	NA	NA	NA	SK#1-548
21-085	Restraint MU-197	F3.30.2	F-C				100	VT-3	NA	NA	NA	NA	SK#1-545
21-086	Restraint MU-201	F3.30.3	F-C				100	VT-3	NA	NA	NA	NA	SK#1-568
21-087	Spring Hanger MU-200	F3.50.2	F-C				100	VT-4	NA	NA	NA	NA	SK#1-549
21-088	Rigid Hanger MU-193	F3.30.4	F-C				100	VT-3	NA	NA	NA	NA	CCA-5-MU-193
21-089	Pressure Retaining Boundary	B15.50		7	8	9	10	VT-2	NA	X	X	X	System Hydrotest
21-090	Pressure Retaining Boundary	B15.51						VT-2	NA	X	X	X	System Hydrotest
21-091	Pressure Retaining Boundary	B15.60		7	8	9	10	VT-2	NA	X	X	X	System Leakage Test
21-092	Pressure Retaining Boundary	B15.61						VT-2	NA	X	X	X	System Hydrotest
21-093	Pressure Retaining Boundary	B15.70		7	8	9	10	VT-2	NA	X	X	X	System Leakage Test
21-094	Pressure Retaining Boundary	B15.71						VT-2	NA	X	X	X	System Hydrotest



ARKANSAS POWER AND LIGHT COMPANY
 ARKANSAS NUCLEAR ONE
 UNIT 1

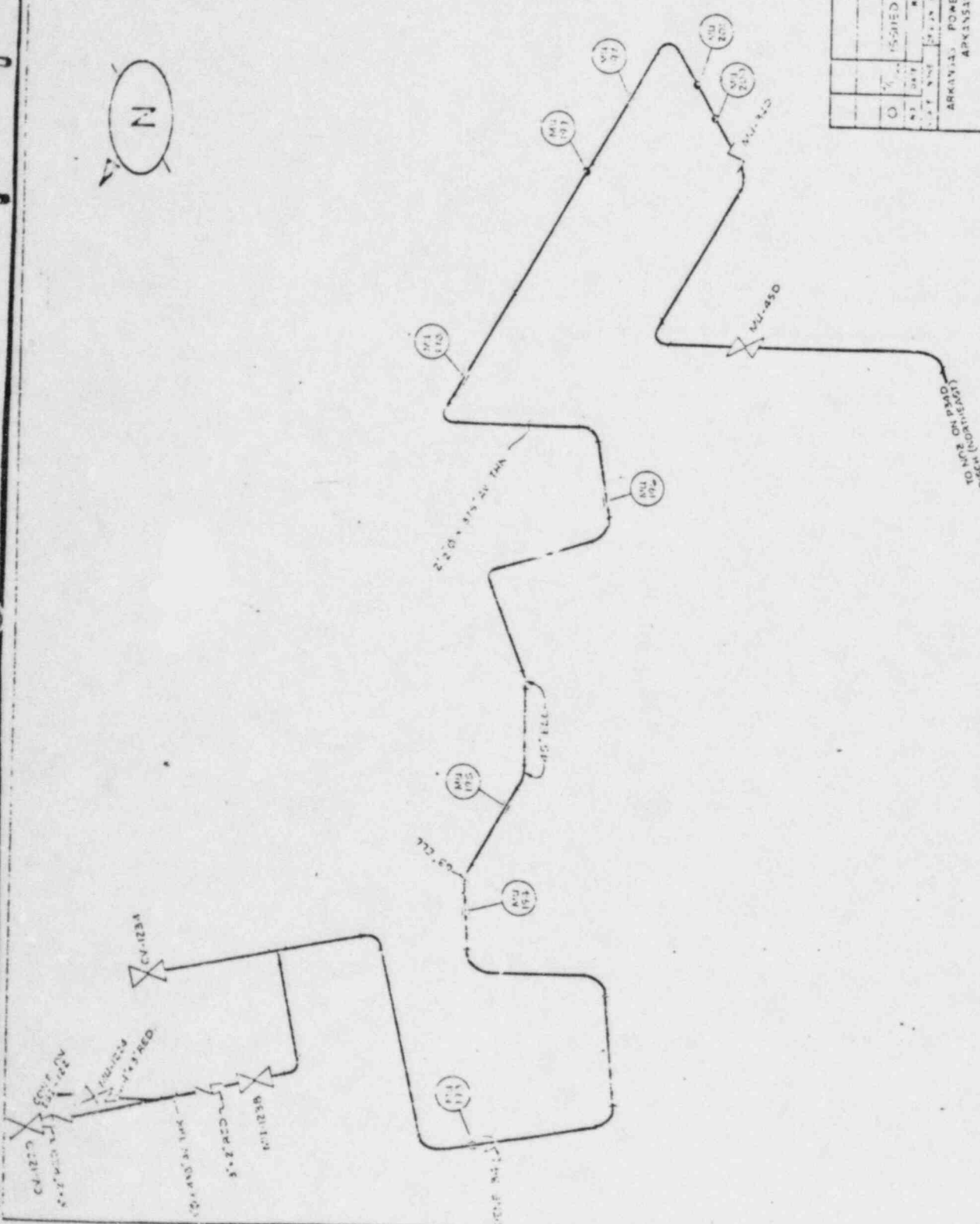
HPI TO A2 LOOP
 ZONE 21

ISSUED PER I.S.I. 1/15/53
 REVISION BY
 DIVISION R.W.M. JOHN W. JONES

NO NOZ ON 950Z DUCT (NORTHEAST)

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ISI-121



REV	DATE	BY	CHKD

ISSUED PER IS-1

ARAVIND POWER AND LIGHT COMPANY
APRAXIS NUCLEAR ONE
UNIT

HPI TO A2 LOOP
ZONE 2I

DATE: 01/03/03

ISI-121H

FOR INFORMATION ONLY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4				S	I	
22-001	Valve To Pipe Circ Seam	B9.11.1					100	PT	NA	X	X	FW-19
22-001	Valve To Pipe Circ Seam	B9.11.1					100	UT	40816	X	X	FW-19
22-002	Pipe To Ell Circ Seam	B9.11.2					100	PT	NA	X	X	FW-20
22-002	Pipe To Ell Circ Seam	B9.11.2					100	UT	40816	X	X	FW-20
22-003	Ell To Pipe Circ Seam	B9.11.3					100	PT	NA	X	X	FW-21
22-003	Ell To Pipe Circ Seam	B9.11.3					100	UT	40816	X	X	FW-21
22-004	Pipe To Pipe Circ Seam	B9.11.4					100	PT	NA	X	X	FW-22
22-004	Pipe To Pipe Circ Seam	B9.11.4					100	UT	40816	X	X	FW-22
22-005	Pipe To Ell Circ Seam	B9.11.5					100	PT	NA	X	X	FW-30
22-005	Pipe To Ell Circ Seam	B9.11.5					100	UT	40816	X	X	FW-30
22-006	Ell To Pipe Circ Seam	B9.11.6					100	PT	NA	X	X	FW-31
22-006	Ell To Pipe Circ Seam	B9.11.6					100	UT	40816	X	X	FW-31
22-007	Pipe To Red Circ Seam	B9.11.7					100	PT	NA	X	X	FW-32
22-007	Pipe To Red Circ Seam	B9.11.7					100	UT	40816	X	X	FW-32
22-008	Red To Tee Circ Seam	B9.11.8					100	PT	NA	X	X	FW-33
22-008	Red To Tee Circ Seam	B9.11.8					100	UT	40816	X	X	FW-33
22-009	Tee To Pipe Circ Seam	B9.11.9					100	PT	NA	X	X	FW-34
22-009	Tee To Pipe Circ Seam	B9.11.9					100	UT	40816	X	X	FW-34
22-010	Pipe To Valve Circ Seam	B9.11.10					100	PT	NA	X	X	FW-35
22-010	Pipe To Valve Circ Seam	B9.11.10					100	UT	40816	X	X	FW-35
22-011	Valve To Red Circ Seam	B9.11.11					100	PT	NA	X	X	FW-36
22-011	Valve To Red Circ Seam	B9.11.11					100	UT	40816	X	X	FW-36
22-012	Red To Valve Circ Seam	B9.11.12					100	PT	NA	X	X	FW-37
22-012	Red To Valve Circ Seam	B9.11.12					100	UT	40816	X	X	FW-37
22-013	Tee To Pipe Circ Seam	B9.11.13					100	PT	NA	X	X	FW-38
22-013	Tee To Pipe Circ Seam	B9.11.13					100	UT	40816	X	X	FW-38
22-014	Pipe To Pipe Circ Seam	B9.11.14					100	PT	NA	X	X	FW-52
22-014	Pipe To Pipe Circ Seam	B9.11.14					100	UT	40816	X	X	FW-52
22-015	Pipe To Pipe Circ Seam	B9.11.15					100	PT	NA	X	X	FW-39
22-015	Pipe To Pipe Circ Seam	B9.11.15					100	UT	40816	X	X	FW-39
22-016	Pipe To Ell Circ Seam	B9.11.16					100	PT	NA	X	X	FW-45
22-016	Pipe To Ell Circ Seam	B9.11.16					100	UT	40816	X	X	FW-45
22-017	Ell To Red Circ Seam	B9.11.17					100	PT	NA	X	X	FW-46
22-017	Ell To Red Circ Seam	B9.11.17					100	UT	40816	X	X	FW-46

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
22-017	Ell To Red Circ Seam	B9.11.17			11		100	UT	40816	X	X	X	FW-46
22-018	Red To Pipe Circ Seam	B9.11.18			11		100	PT	NA	X	X	X	FW-47
22-018	Red To Pipe Circ Seam	B9.11.18			11		100	UT	40816	X	X	X	FW-47
22-019	Pipe To Valve Circ Seam	B9.11.19			11		100	PT	NA	X	X	X	FW-48
22-019	Pipe To Valve Circ Seam	B9.11.19			11		100	UT	40816	X	X	X	FW-48
22-020	Valve To Pipe Circ Seam	B9.11.20			11		100	PT	NA				FW-49
22-020	Valve To Pipe Circ Seam	B9.11.20			11		100	UT	40816				FW-49
22-021	Pipe To Red Circ Seam	B9.11.21			11		100	PT	NA				FW-50
22-021	Pipe To Red Circ Seam	B9.11.21			11		100	UT	40816				FW-50
22-022	Red To Pipe Circ Seam	B9.11.22			11		100	PT	NA				FW-51
22-022	Red To Pipe Circ Seam	B9.11.22			11		100	UT	40816				FW-51
22-023	Pipe To Ell Circ Seam	B9.11.23			11		100	PT	NA				HPI-B1-6
22-023	Pipe To Ell Circ Seam	B9.11.23			11		100	UT	40816				HPI-B1-6
22-024	Ell To Pipe Circ Seam	B9.11.24			11		100	PT	NA				HPI-B1-7
22-024	Ell To Pipe Circ Seam	B9.11.24			11		100	UT	40816				HPI-B1-7
22-025	Pipe To Ell Circ Seam	B9.11.25			11		100	PT	NA				HPI-B1-8
22-025	Pipe To Ell Circ Seam	B9.11.25			11		100	UT	40816				HPI-B1-8
22-026	Ell To Pipe Circ Seam	B9.11.26			11		100	PT	NA				HPI-B1-9
22-026	Ell To Pipe Circ Seam	B9.11.26			11		100	UT	40816				HPI-B1-9
22-027	Pipe To Pipe Circ Seam	B9.11.27			11		100	PT	NA				HPI-B1-10
22-027	Pipe To Pipe Circ Seam	B9.11.27			11		100	UT	40816				HPI-B1-10
22-028	Pipe To Ell Circ Seam	B9.11.28			11		100	PT	NA				HPI-B1-11
22-028	Pipe To Ell Circ Seam	B9.11.28			11		100	UT	40816				HPI-B1-11
22-028	Pipe To Ell Circ Seam	B9.11.28			11		100	PT	NA				HPI-B1-12
22-028	Pipe To Ell Circ Seam	B9.11.28			11		100	UT	40816				HPI-B1-12
22-029	Ell To Pipe Circ Seam	B9.11.29			11		100	PT	NA				HPI-B1-13
22-029	Ell To Pipe Circ Seam	B9.11.29			11		100	UT	40816				HPI-B1-13
22-030	Pipe To Ell Circ Seam	B9.11.30			11		100	PT	NA				HPI-B1-14
22-030	Pipe To Ell Circ Seam	B9.11.30			11		100	UT	40816				HPI-B1-14
22-031	Ell To Pipe Circ Seam	B9.11.31			11		100	PT	NA				HPI-B1-15
22-031	Ell To Pipe Circ Seam	B9.11.31			11		100	UT	40816				HPI-B1-15
22-032	Pipe To Ell Circ Seam	B9.11.32			11		100	PT	NA				HPI-B1-16
22-032	Pipe To Ell Circ Seam	B9.11.32			11		100	UT	40816				HPI-B1-16
22-033	Ell To Pipe Circ Seam	B9.11.33			11		100	PT	NA				HPI-B1-16
22-033	Ell To Pipe Circ Seam	B9.11.33			11		100	UT	40816				HPI-B1-16

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
42-034	Pipe To Ell Circ Seam	89.11.34	BJ				100	PT	NA				HPI-B1-17
42-034	Pipe To Ell Circ Seam	89.11.34	BJ				100	UT	40816				HPI-B1-17
42-035	Ell To Pipe Circ Seam	89.11.35	BJ				100	PT	NA				HPI-B1-18
42-035	Ell To Pipe Circ Seam	89.11.35	BJ				100	UT	40816				HPI-B1-18
42-036	Pipe To Pipe Circ Seam	89.11.36	BJ				100	PT	NA				HPI-B1-19
42-036	Pipe To Pipe Circ Seam	89.11.36	BJ				100	UT	40816				HPI-B1-19
42-037	Pipe To Ell Circ Seam	89.11.37	BJ				100	PT	NA				HPI-B1-20
42-037	Pipe To Ell Circ Seam	89.11.37	BJ				100	UT	40816				HPI-B1-20
42-038	Ell To Pipe Circ Seam	89.11.38	BJ				100	PT	NA				HPI-B1-21
42-038	Ell To Pipe Circ Seam	89.11.38	BJ				100	UT	40816				HPI-B1-21
42-039	Pipe To Ell Circ Seam	89.11.39	BJ				100	PT	NA				HPI-B1-22
42-039	Pipe To Ell Circ Seam	89.11.39	BJ				100	UT	40816				HPI-B1-22
42-040	Ell To Pipe Circ Seam	89.11.40	BJ				100	PT	NA				HPI-B1-23
42-040	Ell To Pipe Circ Seam	89.11.40	BJ				100	UT	40816				HPI-B1-23
42-041	Pipe To Ell Circ Seam	89.11.41	BJ				100	PT	NA				HPI-B1-24
42-041	Pipe To Ell Circ Seam	89.11.41	BJ				100	UT	40816				HPI-B1-24
42-042	Ell To Pipe Circ Seam	89.11.42	BJ				100	PT	NA				HPI-B1-25
42-042	Ell To Pipe Circ Seam	89.11.42	BJ				100	UT	40816				HPI-B1-25
42-043	Pipe To Ell Circ Seam	89.11.43	BJ				100	PT	NA				HPI-B1-26
42-043	Pipe To Ell Circ Seam	89.11.43	BJ				100	UT	40816				HPI-B1-26
42-044	Ell To Pipe Circ Seam	89.11.44	BJ				100	PT	NA				HPI-B1-27
42-044	Ell To Pipe Circ Seam	89.11.44	BJ				100	UT	40816				HPI-B1-27
42-045	Pipe To Ell Circ Seam	89.11.45	BJ				100	PT	NA				HPI-B1-28
42-045	Pipe To Ell Circ Seam	89.11.45	BJ				100	UT	40816				HPI-B1-28
42-046	Ell To Pipe Circ Seam	89.11.46	BJ				100	PT	NA				HPI-B1-29
42-046	Ell To Pipe Circ Seam	89.11.46	BJ				100	UT	40816				HPI-B1-29
42-047	Pipe To Ell Circ Seam	89.11.47	BJ				100	PT	NA				HPI-B1-30
42-047	Pipe To Ell Circ Seam	89.11.47	BJ				100	UT	40816				HPI-B1-30
42-048	Ell To Pipe Circ Seam	89.11.48	BJ				100	PT	NA				HPI-B1-31
42-048	Ell To Pipe Circ Seam	89.11.48	BJ				100	UT	40816				HPI-B1-31
42-049	Pipe To Pipe Circ Seam	89.11.49	BJ				100	PT	NA				HPI-B1-32
42-049	Pipe To Pipe Circ Seam	89.11.49	BJ				100	UT	40816				HPI-B1-32
42-050	Pipe To Ell Circ Seam	89.11.50	BJ				100	PT	NA				HPI-B1-33
42-050	Pipe To Ell Circ Seam	89.11.50	BJ				100	UT	40816				HPI-B1-33

PROGRAM PLAN AND SCHEDULE

ZONE- 22

COMPONENT DESCRIPTION

HPI TO BI LOOP

FORM ENG-011

ANO-UNIT-ONE

PIPING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
2-050	Pipe To Ell Circ Seam	89.11.50					100	UT	40816				HPI-BI-33
2-051	Ell To Pipe Circ Seam	89.11.51					100	PT	NA				HPI-BI-34
2-051	Ell To Pipe Circ Seam	89.11.51					100	UT	40816				HPI-BI-34
2-052	Pipe To Ell Circ Seam	89.11.52					100	PT	NA				HPI-BI-35
2-052	Pipe To Ell Circ Seam	89.11.52					100	UT	40816				HPI-BI-35
2-053	Ell To Pipe Circ Seam	89.11.53					100	PT	NA				HPI-BI-36
2-053	Ell To Pipe Circ Seam	89.11.53					100	UT	40816				HPI-BI-36
2-054	Pipe To Ell Circ Seam	89.11.54					100	PT	NA				HPI-BI-37
2-054	Pipe To Ell Circ Seam	89.11.54					100	UT	40816				HPI-BI-37
2-055	Ell To Pipe Circ Seam	89.11.55					100	PT	NA				HPI-BI-38
2-055	Ell To Pipe Circ Seam	89.11.55					100	UT	40816				HPI-BI-38
2-056	Pipe To Pipe Circ Seam	89.11.56					100	PT	NA				HPI-BI-39
2-056	Pipe To Pipe Circ Seam	89.11.56					100	UT	40816				HPI-BI-39
2-057	Pipe To Ell Circ Seam	89.11.57					100	PT	NA				HPI-BI-40
2-057	Pipe To Ell Circ Seam	89.11.57					100	UT	40816				HPI-BI-40
2-058	Ell To Pipe Circ Seam	89.11.58					100	PT	NA				HPI-BI-41
2-058	Ell To Pipe Circ Seam	89.11.58					100	UT	40816				HPI-BI-41
2-058	Ell To Pipe Circ Seam	89.11.58					100	PT	NA				HPI-BI-42
2-059	Pipe To Pipe Circ Seam	89.11.59					100	UT	40816				HPI-BI-42
2-059	Pipe To Pipe Circ Seam	89.11.59					100	PT	NA				HPI-BI-43
2-060	Pipe To Valve Circ Seam	89.11.60					100	UT	40816				HPI-BI-43
2-060	Pipe To Valve Circ Seam	89.11.60					100	PT	NA				HPI-BI-44
2-061	Valve To Ell Circ Seam	89.11.61					100	UT	40816				HPI-BI-44
2-061	Valve To Ell Circ Seam	89.11.61					100	PT	NA				HPI-BI-45
2-062	Ell To Pipe Circ Seam	89.11.62					100	UT	40816				HPI-BI-45
2-062	Ell To Pipe Circ Seam	89.11.62					100	PT	NA				HPI-BI-46
2-063	Pipe To Pipe Circ Seam	89.11.63					100	UT	40816				HPI-BI-46
2-063	Pipe To Pipe Circ Seam	89.11.63					100	PT	NA				HPI-BI-47
2-064	Pipe To Ell Circ Seam	89.11.64					100	UT	40816				HPI-BI-47
2-064	Pipe To Ell Circ Seam	89.11.64					100	PT	NA				HPI-BI-48
2-065	Ell To Pipe Circ Seam	89.11.65					100	UT	40816				HPI-BI-48
2-065	Ell To Pipe Circ Seam	89.11.65					100	PT	NA				HPI-BI-49
2-066	Pipe To Valve Circ Seam	89.11.66					100	UT	40816				HPI-BI-49
2-066	Pipe To Valve Circ Seam	89.11.66					100	PT	NA				HPI-BI-49

PIPING PRESSURE BOUNDARY

COMPONENT DESCRIPTION

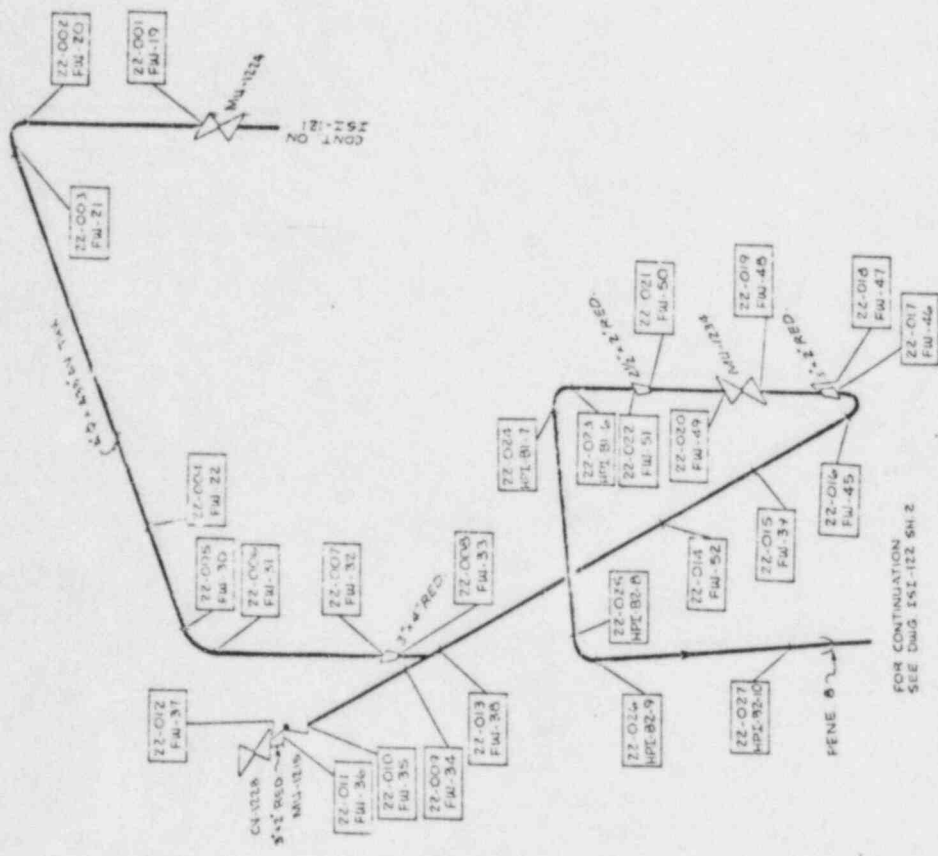
CLASS- 1

HPI TO B1 LOOP

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WT	
22-067	Valve To Pipe Circ Seam	B9.11.67					100	PT	NA				HPI-B1-50
22-067	Valve To Pipe Circ Seam	B9.11.67					100	UT	40816				HPI-B1-50
22-068	Pipe To Pipe Circ Seam	B9.11.68					100	PT	NA				HPI-B1-51
22-068	Pipe To Pipe Circ Seam	B9.11.68					100	UT	40816				HPI-B1-51
22-069	Pipe To Ell Circ Seam	B9.11.69					100	PT	NA				HPI-B1-52
22-069	Pipe To Ell Circ Seam	B9.11.69					100	UT	40816				HPI-B1-52
22-070	Ell To Pipe Circ Seam	B9.11.70					100	PT	NA				HPI-B1-53
22-070	Ell To Pipe Circ Seam	B9.11.70					100	UT	40816				HPI-B1-53
22-071	Pipe To P32A Disch Safe End	B5.50.1				X	100	PT	NA		X	X	Safe End
22-071	Pipe To P32A Disch Safe End	B5.50.1				X	100	UT	40816		X	X	Safe End
22-072	6" Valve MU-1224	B12.40.1				X	100	VT-3	NA		X	X	Internal Surface
22-073	6" Valve MU-1215	B12.40.2				X	100	VT-3	NA		X	X	Internal Surface
22-074	6" Valve CV-1228	B12.40.3				X	100	VT-3	NA		X	X	Internal Surface
22-075	6" Valve MU-1234	B12.40.4				X	100	VT-3	NA		X	X	Internal Surface
22-076	2 1/2" Valve MU-34A	B12.40.5				X	100	VT-3	NA		X	X	Internal Surface
22-077	2 1/2" Valve MU-45A	B12.40.6				X	100	VT-3	NA		X	X	Internal Surface
22-078	Valve MU-1224 Bolts-Studs-Nuts	B7.70.1				X	100	VT-1	NA		X	X	
22-079	Valve MU-1215 Bolts-Studs-Nuts	B7.70.2				X	100	VT-1	NA		X	X	
22-080	Valve CV-1228 Bolts-Studs-Nuts	B7.70.3				X	100	VT-1	NA		X	X	
22-081	Valve MU-1234 Bolts-Studs-Nuts	B7.70.4				X	100	VT-1	NA		X	X	
22-082	Valve MU-34A Bolts-Studs-Nuts	B7.70.5				X	100	VT-1	NA		X	X	
22-083	Valve MU-45A Bolts-Studs-Nuts	B7.70.6				X	100	VT-1	NA		X	X	
22-084	Pump P32A	B12.20.1				X	100	VT-3	NA				Internal Surfaces
22-085	Pump P32A Bolts & Studs	B6.180.1				X	100	VT-1	NA				All Studs & Bolts
22-086	Pump P32A Nuts & Washers	B6.200.1				X	100	VT-1	NA				All Nuts & Washers
22-087	Pump P32A Flange Surfaces	B6.190.1				X	100	VT-1	NA				
22-088	Spring Hanger MU-191	F3.50.1				7	100	VT-3	NA		NA	NA	NA
22-089	Guide MU-175	F3.40.1					100	VT-4	NA		NA	NA	SK#1-539
22-090	Guide MU-176	F3.40.2					100	VT-3	NA		NA	NA	SK#1-528
22-091	Guide MU-177	F3.40.3					100	VT-3	NA		NA	NA	SK#1-528
22-092	Rigid Hanger MU-178	F3.30.1				8	100	VT-3	NA		NA	NA	SK#1-530
22-093	Guide MU-179	F3.40.4					100	VT-3	NA		NA	NA	SK#1-531
22-094	Guide MU-180	F3.40.5					100	VT-3	NA		NA	NA	SK#1-532
							100	VT-3	NA		NA	NA	SK#1-505

HPI TO BI LOOP

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
82-095	Guide MU-181	83-40.6 F-C					100	VT-3	NA	NA	NA	NA	SK#1-507
82-096	Guide MU-182	83-40.7 F-C					100	VT-3	NA	NA	NA	NA	SK#1-509
82-097	Guide MU-183	83-40.8 F-C					100	VT-3	NA	NA	NA	NA	SK#1-511
82-098	Guide MU-184	83-40.9 F-C					100	VT-3	NA	NA	NA	NA	SK#1-513
82-099	Guide Stop MU-185	83-10.1 BK1					100	PT	NA	NA	NA	NA	SK#1-533
82-100	Rigid Hanger MU-186	83-30.2 F-C					100	VT-3	NA	NA	NA	NA	SK#1-536
82-101	Guide Stop MU-188	83-40.10 F-C					100	VT-3	NA	NA	NA	NA	SK#1-538
82-102	Guide MU-189	83-40.11 F-C					100	VT-3	NA	NA	NA	NA	SK#1-540
82-103	Guide MU-150	83-40.2 F-C					100	VT-3	NA	NA	NA	NA	SK#1-543
82-104	Pressure Retaining Boundary	85.51 BP					100	VT-2	NA	NA	NA	NA	System Leakage Test
82-105	Pressure Retaining Boundary	85.51 BP					100	VT-2	NA	NA	NA	NA	System Hydrotest
82-106	Pressure Retaining Boundary	85.60 BP					100	VT-2	NA	NA	NA	NA	System Leakage Test
82-107	Pressure Retaining Boundary	85.61 BP					100	VT-2	NA	NA	NA	NA	System Hydrotest
82-108	Pressure Retaining Boundary	85.70 BP					100	VT-2	NA	NA	NA	NA	System Leakage Test
82-109	Pressure Retaining Boundary	85.71 BP					100	VT-2	NA	NA	NA	NA	System Hydrotest



NO.	DATE	REVISION	BY	CHKD	DATE
0		ISSUED FOR I.S.I.	R.J.J.		

SCALE: 1/8" = 1'-0" DRAWN BY: JONES

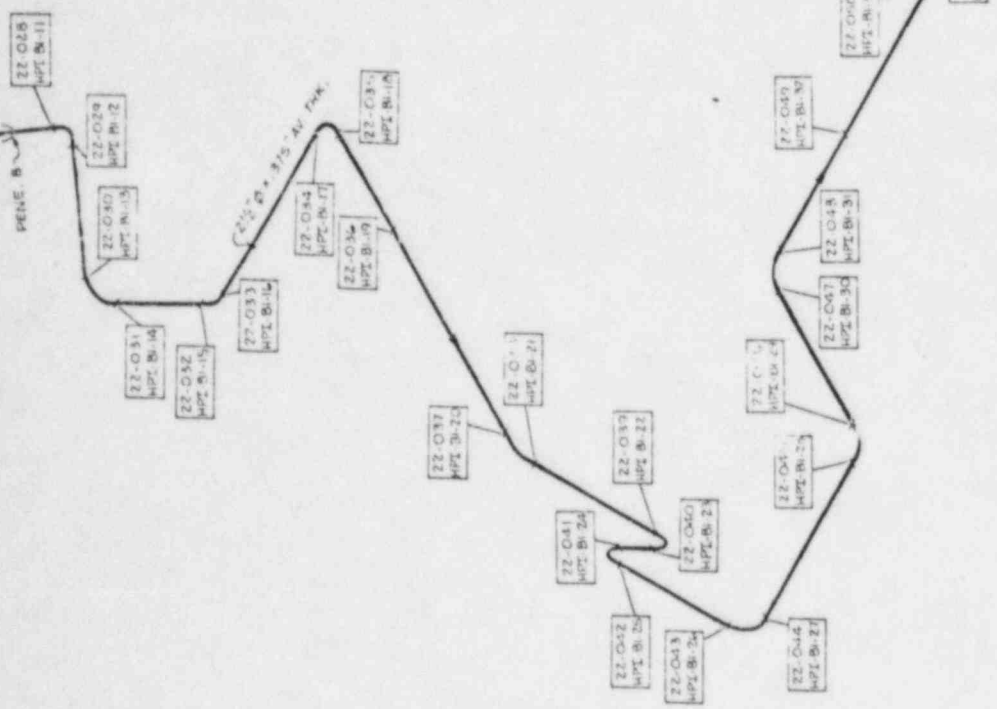
ARKANSAS POWER AND LIGHT COMPANY
ARKANSAS NUCLEAR ONE
UNIT 1

HPI TO BI LOOP
ZONE 22

DRWG NO: ISI-122
REV: 1
SHEET: 1 OF 2

FOR COMPLETION SEE DRAWING 111-122-5A.1

PENE. B



NO.	DATE	REVISION	BY	CHK'D	APP'D

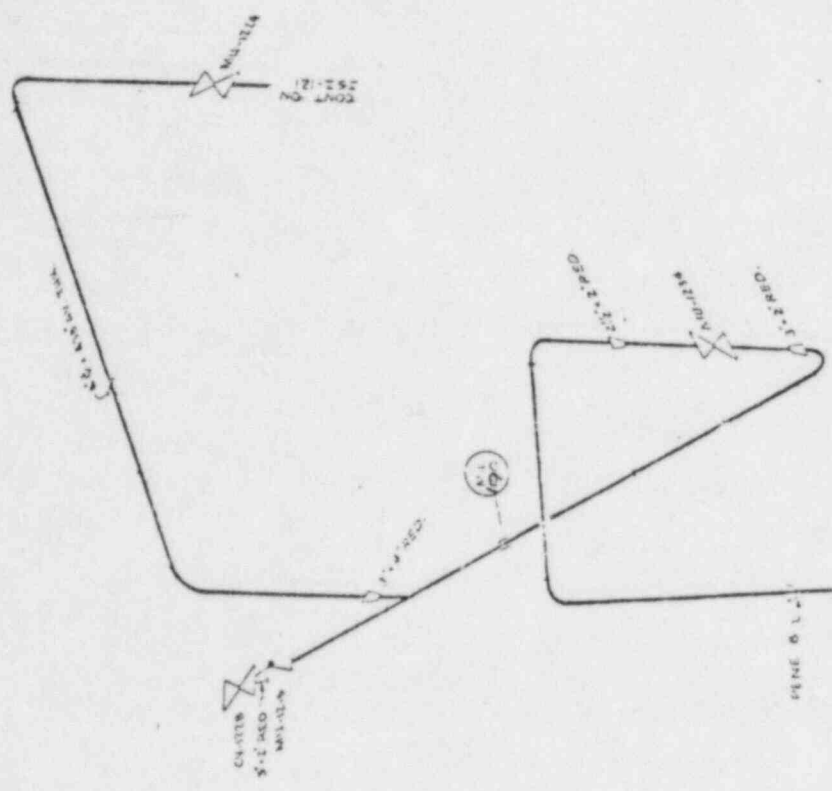
ISSUED FOR I.S. R.J.S.

SCALE: DESIGN B.B.M. DRAWN BY J.S. JONES

ARKANSAS POWER AND LIGHT COMPANY
ARKANSAS NUCLEAR ONE
UNIT 1

HPI TO BI LOOP
ZONE 22

DESIGN NO.	REV.
111-122	02



FOR CONTINUATION
SEE DIAG ENR-122 6H Z

REV	DATE	BY	CHKD	APP'D
1				
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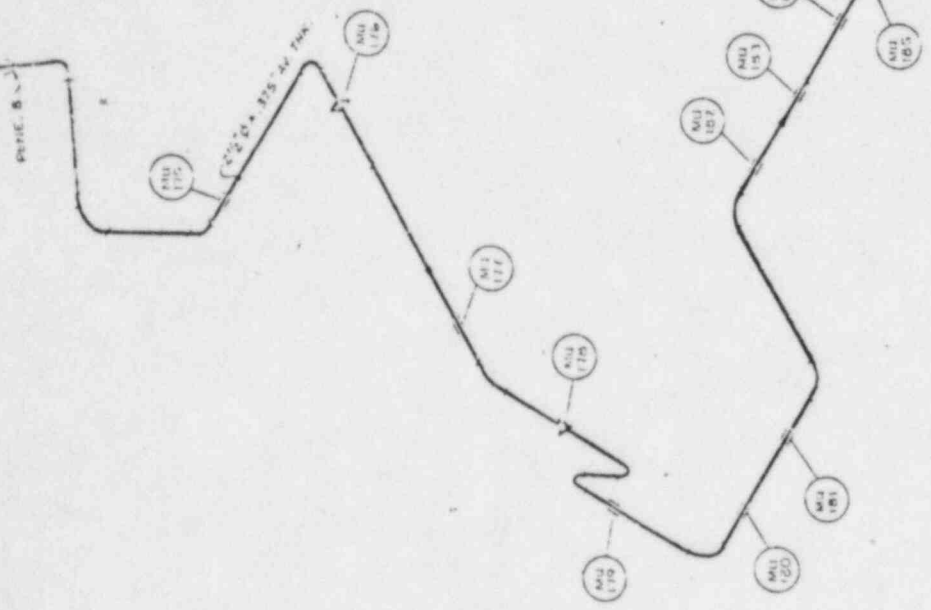
ARKANSAS POWER AND LIGHT COMPANY
ARKANSAS NUCLEAR ONE
UNIT 1

HPI TO BI LOOP
ZONE 22

ISI-122H 0

FOR INFORMATION ONLY
THIS DOCUMENT IS NOT CONTROLLED BEFORE USE, VERIFY
EQUIPMENT

FROM CONVENTIONAL
GAS UNIT 15122 ON 1



TO NOT ON TBA
DISM (COU-1041527)

REV	DATE	BY	CHKD
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APRACVIS POWER AND LIGHT COMPANY
ARKANSAS NUCLEAR ONE
UNIT 1

HPI TO BI LOOP
ZONE 22

REV: O
DATE: 12/21/77
BY: ISI-122H

FOR INFORMATION

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
23-001	Valve To Pipe Circ Seam	B9.11.1					100	PT	NA				HPI-B2-1
23-001	Valve To Pipe Circ Seam	B9.11.1					100	UT	40816				HPI-B2-1
23-002	Pipe To Pipe Circ Seam	B9.11.2					100	PT	NA				HPI-B2-2
23-002	Pipe To Pipe Circ Seam	B9.11.2					100	UT	40816				HPI-B2-2
23-003	Pipe To Ell Circ Seam	B9.11.3					100	PT	NA				HPI-B2-3
23-003	Pipe To Ell Circ Seam	B9.11.3					100	UT	40816				HPI-B2-3
23-004	Ell To Pipe Circ Seam	B9.11.4					100	PT	NA				HPI-B2-4
23-004	Ell To Pipe Circ Seam	B9.11.4					100	UT	40816				HPI-B2-4
23-005	Pipe To Red Circ Seam	B9.11.5					100	PT	NA				FW-59
23-005	Pipe To Red Circ Seam	B9.11.5					100	UT	40816				FW-59
23-006	Red To Valve Circ Seam	B9.11.6					100	PT	NA				FW-58
23-006	Red To Valve Circ Seam	B9.11.6					100	UT	40816				FW-58
23-007	Valve To Pipe Circ Seam	B9.11.7					100	PT	NA				FW-57
23-007	Valve To Pipe Circ Seam	B9.11.7					100	UT	40816				FW-57
23-008	Pipe To Pipe Circ Seam	B9.11.8					100	PT	NA				FW-49
23-008	Pipe To Pipe Circ Seam	B9.11.8					100	UT	40816				FW-49
23-009	Pipe To Tee Circ Seam	B9.11.9					100	PT	NA				FW-48
23-009	Pipe To Tee Circ Seam	B9.11.9					100	UT	40816				FW-48
23-010	Tee To Red Circ Seam	B9.11.10					100	PT	NA				FW-63
23-010	Tee To Red Circ Seam	B9.11.10					100	UT	40816				FW-63
23-011	Red To Ell Circ Seam	B9.11.11					100	PT	NA				FW-1
23-011	Red To Ell Circ Seam	B9.11.11					100	UT	40816				FW-1
23-012	Ell To Pipe Circ Seam	B9.11.12					100	PT	NA				FW-2
23-012	Ell To Pipe Circ Seam	B9.11.12					100	UT	40816				FW-2
23-013	Pipe To Ell Circ Seam	B9.11.13					100	PT	NA				FW-3
23-013	Pipe To Ell Circ Seam	B9.11.13					100	UT	40816				FW-3
23-014	Ell To Pipe Circ Seam	B9.11.14					100	PT	NA				FW-4
23-014	Ell To Pipe Circ Seam	B9.11.14					100	UT	40816				FW-4
23-015	Pipe To Ell Circ Seam	B9.11.15					100	PT	NA				FW-5
23-015	Pipe To Ell Circ Seam	B9.11.15					100	UT	40816				FW-5
23-016	Ell To Valve Circ Seam	B9.11.16					100	PT	NA				FW-6
23-016	Ell To Valve Circ Seam	B9.11.16					100	UT	40816				FW-6
23-017	Tee To Pipe Circ Seam	B9.11.17					100	PT	NA				FW-43
23-017	Tee To Pipe Circ Seam	B9.11.17					100	UT	40816	X	X	X	FW-43

PROGRAM PLAN AND SCHEDULE
ZONE-23
COMPONENT DESCRIPTION
HPI TO B2 LOOP

ANO-UNIT-ONE
PIPING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
23-017	See To Pipe Circ Seam	89.11.17					100	UT	40816	X	X	K	FW-43
23-018	Pipe To Valve Circ Seam	89.11.18					100	PT	NA	X	X	K	FW-44
23-018	Pipe To Valve Circ Seam	89.11.18					100	UT	40816	X	X	K	FW-44
23-019	Valve To Pipe Circ Seam	89.11.19					100	PT	NA	X	X	K	FW-45
23-019	Valve To Pipe Circ Seam	89.11.19					100	UT	40816	X	X	K	FW-45
23-019	Valve To Pipe Circ Seam	89.11.19					100	PT	NA	X	X	K	FW-46
23-020	Pipe To Red Circ Seam	89.11.20					100	UT	40816	X	X	K	FW-46
23-020	Pipe To Red Circ Seam	89.11.20					100	PT	NA	X	X	K	FW-47
23-021	Red To Pipe Circ Seam	89.11.21					100	UT	40816	X	X	K	HPI-B2-7
23-022	Pipe To 45 Ell Circ Seam	89.11.22					100	PT	NA	X	X	K	HPI-B2-7
23-022	Pipe To 45 Ell Circ Seam	89.11.22					100	UT	40816	X	X	K	HPI-B2-8
23-022	Pipe To 45 Ell Circ Seam	89.11.23					100	PT	NA	X	X	K	HPI-B2-8
23-023	45 Ell To Pipe Circ Seam	89.11.23					100	UT	40816	X	X	K	HPI-B2-9
23-023	45 Ell To Pipe Circ Seam	89.11.24					100	PT	NA	X	X	K	HPI-B2-9
23-024	Pipe To Pipe Circ Seam	89.11.24					100	UT	40816	X	X	K	HPI-B2-11
23-024	Pipe To Pipe Circ Seam	89.11.25					100	PT	NA	X	X	K	HPI-B2-11
23-025	Pipe To Ell Circ Seam	89.11.25					100	UT	40816	X	X	K	HPI-B2-12
23-025	Pipe To Ell Circ Seam	89.11.26					100	PT	NA	X	X	K	HPI-B2-12
23-026	Ell To Pipe Circ Seam	89.11.26					100	UT	40816	X	X	K	HPI-B2-13
23-026	Ell To Pipe Circ Seam	89.11.27					100	PT	NA	X	X	K	HPI-B2-13
23-027	Pipe To Ell Circ Seam	89.11.27					100	UT	40816	X	X	K	HPI-B2-14
23-028	Ell To Pipe Circ Seam	89.11.28					100	PT	NA	X	X	K	HPI-B2-14
23-029	Pipe To Ell Circ Seam	89.11.29					100	UT	40816	X	X	K	HPI-B2-15
23-029	Pipe To Ell Circ Seam	89.11.29					100	PT	NA	X	X	K	HPI-B2-15
23-030	Ell To Pipe Circ Seam	89.11.30					100	UT	40816	X	X	K	HPI-B2-16
23-030	Ell To Pipe Circ Seam	89.11.30					100	PT	NA	X	X	K	HPI-B2-16
23-031	Pipe To 30 Ell Circ Seam	89.11.31					100	UT	40816	X	X	K	HPI-B2-17
23-031	Pipe To 30 Ell Circ Seam	89.11.31					100	PT	NA	X	X	K	HPI-B2-17
23-032	30 Ell To Pipe Circ Seam	89.11.32					100	UT	40816	X	X	K	HPI-B2-18
23-032	30 Ell To Pipe Circ Seam	89.11.32					100	PT	NA	X	X	K	HPI-B2-18
23-033	30 Ell To Pipe Circ Seam	89.11.33					100	UT	40816	X	X	K	HPI-B2-19
23-033	Pipe To Ell Circ Seam	89.11.33					100	PT	NA	X	X	K	HPI-B2-19
23-033	Pipe To Ell Circ Seam	89.11.33					100	UT	40816	X	X	K	HPI-B2-19

FORM ENG-011

ANO-UNIT-ONE

PIPING PRESSURE BOUNDARY

PROGRAM PLAN AND SCHEDULE

ZONE - 23

COMPONENT DESCRIPTION

HPI TO B2 LOOP

REVISED 12/01/83

PAGE - 3 of 6

CLASS - 1

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
B3-034	Ell To Pipe Circ Seam	B9.11.34					100	PT	NA				HPI-B2-20
B3-034	Ell To Pipe Circ Seam	B9.11.34					100	UT	40816				HPI-B2-20
B3-035	Pipe To Ell Circ Seam	B9.11.35					100	PT	NA				HPI-B2-21
B3-035	Pipe To Ell Circ Seam	B9.11.35					100	UT	40816				HPI-B2-21
B3-036	Ell To Pipe Circ Seam	B9.11.36					100	PT	NA				HPI-B2-22
B3-036	Ell To Pipe Circ Seam	B9.11.36					100	UT	40816				HPI-B2-22
B3-037	Pipe To 60 Ell Circ Seam	B9.11.37					100	PT	NA				HPI-B2-23
B3-037	Pipe To 60 Ell Circ Seam	B9.11.37					100	UT	40816				HPI-B2-23
B3-038	60 Ell To Pipe Circ Seam	B9.11.38					100	PT	NA				HPI-B2-24
B3-038	60 Ell To Pipe Circ Seam	B9.11.38					100	UT	40816				HPI-B2-24
B3-039	Pipe To Ell Circ Seam	B9.11.39					100	PT	NA				HPI-B2-25
B3-039	Pipe To Ell Circ Seam	B9.11.39					100	UT	40816				HPI-B2-25
B3-040	Ell To Pipe Circ Seam	B9.11.40					100	PT	NA				HPI-B2-26
B3-040	Ell To Pipe Circ Seam	B9.11.40					100	UT	40816				HPI-B2-26
B3-041	Pipe To Ell Circ Seam	B9.11.41					100	PT	NA				HPI-B2-27
B3-041	Pipe To Ell Circ Seam	B9.11.41					100	UT	40816				HPI-B2-27
B3-042	Ell To Pipe Circ Seam	B9.11.42					100	PT	NA				HPI-B2-28
B3-042	Ell To Pipe Circ Seam	B9.11.42					100	UT	40816				HPI-B2-28
B3-043	Pipe To Pipe Circ Seam	B9.11.43					100	PT	NA				HPI-B2-29
B3-043	Pipe To Pipe Circ Seam	B9.11.43					100	UT	40816				HPI-B2-29
B3-044	Pipe To Ell Circ Seam	B9.11.44					100	PT	NA				HPI-B2-30
B3-044	Pipe To Ell Circ Seam	B9.11.44					100	UT	40816				HPI-B2-30
B3-045	Ell To Pipe Circ Seam	B9.11.45					100	PT	NA				HPI-B2-31
B3-045	Ell To Pipe Circ Seam	B9.11.45					100	UT	40816				HPI-B2-31
B3-046	Pipe To Ell Circ Seam	B9.11.46					100	PT	NA				HPI-B2-32
B3-046	Pipe To Ell Circ Seam	B9.11.46					100	UT	40816				HPI-B2-32
B3-047	Ell To Pipe Circ Seam	B9.11.47					100	PT	NA				HPI-B2-33
B3-047	Ell To Pipe Circ Seam	B9.11.47					100	UT	40816				HPI-B2-33
B3-048	Pipe To Ell Circ Seam	B9.11.48					100	PT	NA				HPI-B2-34
B3-048	Pipe To Ell Circ Seam	B9.11.48					100	UT	40816				HPI-B2-34
B3-049	Ell To Pipe Circ Seam	B9.11.49					100	PT	NA				HPI-B2-35
B3-049	Ell To Pipe Circ Seam	B9.11.49					100	UT	40816				HPI-B2-35
B3-050	Pipe To Pipe Circ Seam	B9.11.50					100	PT	NA				HPI-B2-36
B3-050	Pipe To Pipe Circ Seam	B9.11.50					100	UT	40816				HPI-B2-36

FORM ENG-011

ANO-UNIT-ONE

PIPING PRESSURE BOUNDARY

PROGRAM PLAN AND SCHEDULE

ZONE-23

COMPONENT DESCRIPTION

HPI TO B2 LOOP

REVISED 12/01/83

PAGE-4 of 6

CLASS-1

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4				S	WP	
23-050	Pipe To Pipe Circ Seam	49.11.50					100	UT	40816			HPI-B2-36
23-051	Pipe To Ell Circ Seam	49.11.51					100	PT	NA			HPI-B2-37
23-052	Pipe To Ell Circ Seam	49.11.51					100	UT	40816			HPI-B2-37
23-052	Ell To Pipe Circ Seam	49.11.52					100	PT	NA			HPI-B2-38
23-052	Ell To Pipe Circ Seam	49.11.52					100	UT	40816			HPI-B2-38
23-053	Pipe To Pipe Circ Seam	49.11.53					100	PT	NA			HPI-B2-39
23-053	Pipe To Pipe Circ Seam	49.11.53					100	UT	40816			HPI-B2-39
23-054	Pipe To Pipe Circ Seam	49.11.54					100	PT	NA			HPI-B2-40
23-054	Pipe To Pipe Circ Seam	49.11.54					100	UT	40816			HPI-B2-40
23-055	Pipe To Valve Circ Seam	49.11.55					100	PT	NA			HPI-B2-41
23-055	Pipe To Valve Circ Seam	49.11.55					100	UT	40816			HPI-B2-41
23-056	Valve To Ell Circ Seam	49.11.56					100	PT	NA			HPI-B2-42
23-056	Valve To Ell Circ Seam	49.11.56					100	UT	40816			HPI-B2-42
23-057	Ell To Pipe Circ Seam	49.11.57					100	PT	NA			HPI-B2-42A
23-057	Ell To Pipe Circ Seam	49.11.57					100	UT	40816			HPI-B2-42A
23-058	Pipe To Pipe Circ Seam	49.11.58					100	PT	NA			HPI-B2-43
23-058	Pipe To Pipe Circ Seam	49.11.58					100	UT	40816			HPI-B2-43
23-059	Pipe To Ell Circ Seam	49.11.59					100	PT	NA			HPI-B2-44
23-059	Pipe To Ell Circ Seam	49.11.59					100	UT	40816			HPI-B2-44
23-060	Ell To Pipe Circ Seam	49.11.60					100	PT	NA			HPI-B2-45
23-060	Ell To Pipe Circ Seam	49.11.60					100	UT	40816			HPI-B2-45
23-061	Pipe To Valve Circ Seam	49.11.61					100	PT	NA			HPI-B2-46
23-061	Pipe To Valve Circ Seam	49.11.61					100	UT	40816			HPI-B2-46
23-062	Valve To Pipe Circ Seam	49.11.62					100	PT	NA			HPI-B2-47
23-062	Valve To Pipe Circ Seam	49.11.62					100	UT	40816			HPI-B2-47
23-063	Pipe To Ell Circ Seam	49.11.63					100	PT	NA			HPI-B2-48
23-063	Pipe To Ell Circ Seam	49.11.63					100	UT	40816			HPI-B2-48
23-064	Ell To Pipe Circ Seam	49.11.64					100	PT	NA			HPI-B2-49
23-064	Ell To Pipe Circ Seam	49.11.64					100	UT	40816			HPI-B2-49
23-065	Pipe To P22B Disch Safe End	45.50.1					100	PT	NA			Safe End
23-065	Pipe To P22B Disch Safe End	45.50.1					100	UT	40816			Safe End
23-066	2 1/2" Valve CW-1227	412.40.1					100	VT-3	NA			Internal Surfaces
23-067	3" Valve MU-1214	412.40.2					100	VT-3	NA			Internal Surfaces

FORM ENG-011

ANO-UNIT-ONE

PIPING PRESSURE BOUNDARY

PROGRAM PLAN AND SCHEDULE

ZONE - 23

COMPONENT DESCRIPTION

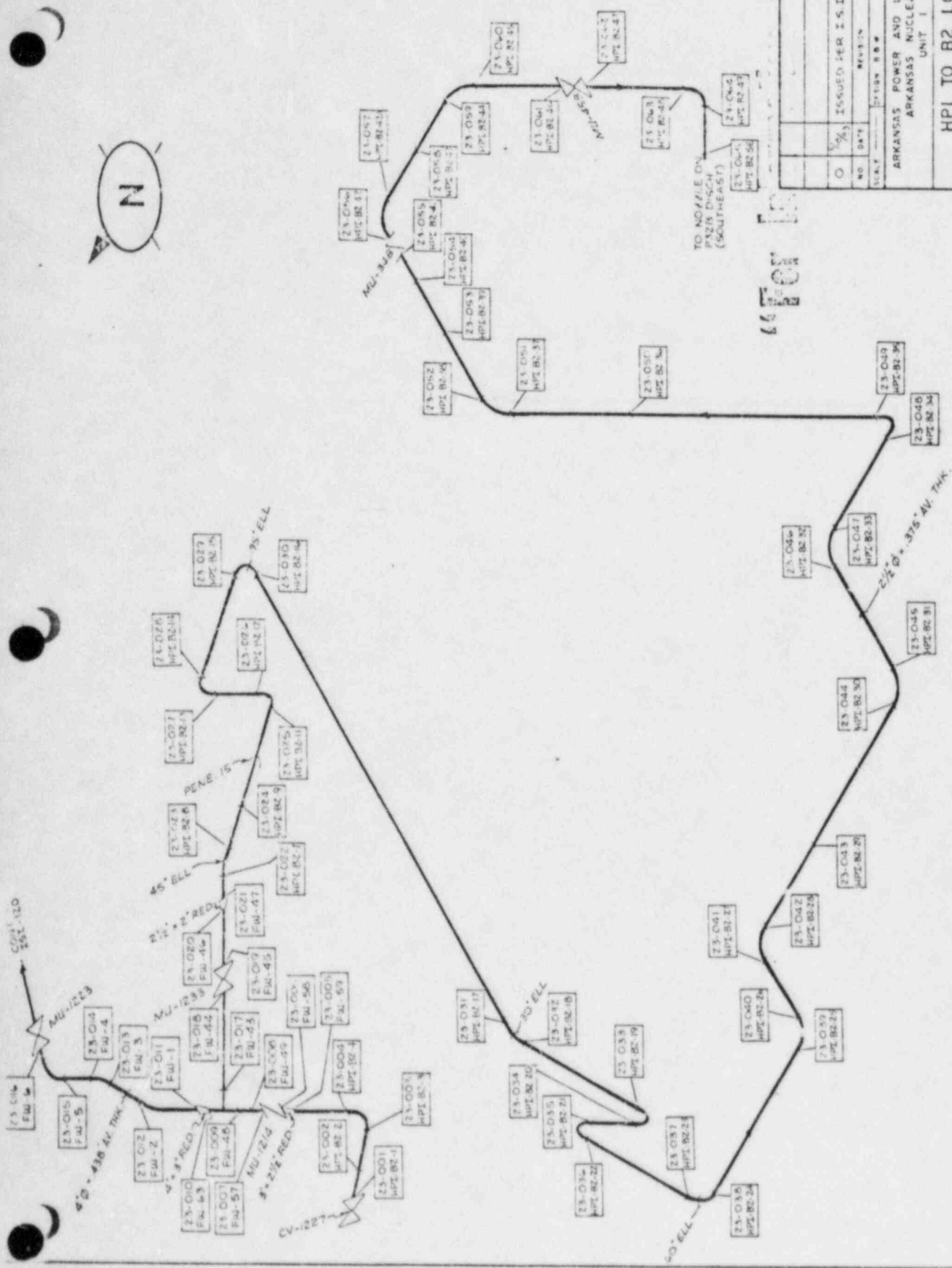
HPI TO B2 LOOP

REVISED 12/01/83

PAGE 5 of 6

CLASS - 1

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PSEP-REQ			REMARKS
			1	2	3	4				S	I	WP	
23-068	3" Valve MU-1233	BM2			III		100	VI-3	NA	X	X	X	Internal Surfaces
23-069	4" Valve MU-1223	BM2			III		100	VI-3	NA	X	X	X	Internal Surfaces
23-070	2" Valve MU-45R	BM2	NOT	REQ.			100	VI-3	NA				Internal Surfaces
23-071	Valve CV-1227 Bolts-Studs-Nuts	BG2			III		100	VI-1	NA	X	X	X	
23-072	Valve MI-1214 Bolts-Studs-Nuts	BG2	NOT	REQ.			100	VI-1	NA				
23-073	Valve MI-1233 Bolts-Studs-Nuts	BG2			III		100	VI-1	NA	X	X	X	
23-074	Valve MI-1223 Bolts-Studs-Nuts	BG2			III		100	VI-1	NA	X	X	X	
23-075	Valve MI-45R Bolts-Studs-Nuts	BG2	NOT	REQ.			100	VI-1	NA				
23-076	Pump P32R Casing	BL2			III		100	VI-3	NA	X	X	X	Internal Surfaces
23-077	Pump P32R Studs & Bolts	BG1			III		100	UT		X	X	X	
23-078	Pump P32R Nuts & Washers	BG1			III		100	VI-1	NA	X	X	X	
23-079	Pump P32R Flange Surfaces	BG1			III		100	VI-1	NA	X	X	X	
23-080	Guide Stop MU-169	BK1			III		100	PT	NA	X	X	X	SK#1-521
23-081	Guide MU-154	F-C			III		100	VI-3	NA	NA	NA	NA	SK#1-500
23-082	Guide MU-156	F-C			III		100	VI-3	NA	NA	NA	NA	SK#1-500
23-083	Rigid Guide MU-157	F-C			III		100	VI-3	NA	NA	NA	NA	SK#1-500
23-084	Guide MU-158	F-C			III		100	VI-3	NA	NA	NA	NA	SK#1-500
23-085	Guide MU-159	F-C			III		100	VI-3	NA	NA	NA	NA	SK#1-500
23-086	Guide MU-160	F-C			III		100	VI-3	NA	NA	NA	NA	SK#1-507
23-087	Guide MU-161	F-C			III		100	VI-3	NA	NA	NA	NA	SK#1-509
23-088	Guide MU-162	F-C			III		100	VI-3	NA	NA	NA	NA	SK#1-511
23-089	Guide MU-163	F-C			III		100	VI-3	NA	NA	NA	NA	SK#1-513
23-090	Rigid Hanger MU-164	F-C			III		100	VI-3	NA	NA	NA	NA	SK#1-514
23-091	Guide MU-165	F-C			III		100	VI-3	NA	NA	NA	NA	SK#1-515
23-092	Guide MU-166	F-C			III		100	VI-3	NA	NA	NA	NA	SK#1-516
23-093	Guide MU-168	F-C			III		100	VI-3	NA	NA	NA	NA	SK#1-519
23-094	Guide Stop MU-169	F-C			III		100	VI-3	NA	NA	NA	NA	SK#1-521
23-095	Restraint MU-167	F-C			III		100	VI-3	NA	NA	NA	NA	SK#1-518
23-096	Spring Hanger MU-170	F-C			III		100	VI-4	NA	NA	NA	NA	SK#1-522
23-097	Spring Hanger MU-153	F-C			III		100	VI-4	NA	NA	NA	NA	SK#1-2-532
23-098	Spring Hanger MU-402	F-C			III		100	VI-4	NA	NA	NA	NA	CCA-5-MU-402
23-099	Pressure Retaining Boundary		7	8	9	10	100	VI-2	NA	NA	NA	NA	System Leakage Test
23-100	Pressure Retaining Boundary						100	VI-2	NA	NA	NA	NA	System Leakage Test



NO.	DATE	ISSUED FOR	BY	SCALE	DESIGN	BY	DATE
0		ISSUED FOR I.S.I.	PJ				

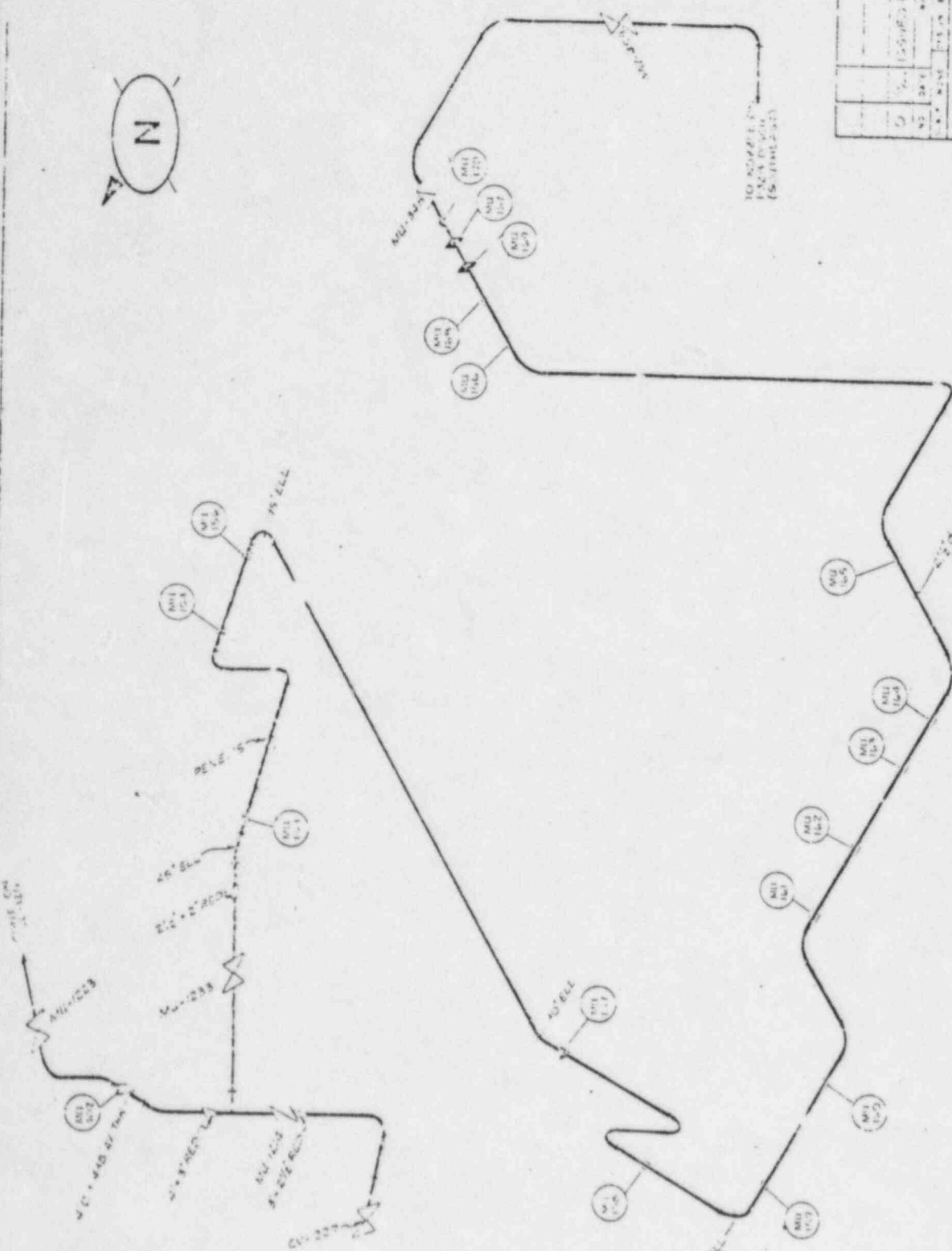
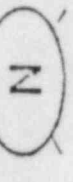
ARIZONA B.B. & JONES

ARKANSAS POWER AND LIGHT COMPANY
UNIT 1
ARKANSAS NUCLEAR ONE

HPI TO B2 LOOP
ZONE 23

ISSUED NO
0

ISI-123



HPI TO B2 LOOP
ZONE 23

ISI - 123H

ARRANGES POWER AND LIGHT COMPONENT
ARANSAS NUCLEAR ONE
UNIT 1

FOR INFORMATION ONLY

PROGRAM PLAN AND SCHEDULE
 ZONE- 24
 COMPONENT DESCRIPTION
 LETDOWN COOLER & DRAIN

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS		
			1	2	3	4			S	I		WF	
24-001	Red To Tee Circ Seam	B9.11.1			10		100	PT	NA	X	X	LDC-1	
24-001	Red To Tee Circ Seam	B9.11.1			10		100	UT	40813	X	X	LDC-1	
24-002	Tee To Pipe Circ Seam	B9.11.2					100	PT	NA			LDC-3	
24-002	Tee To Pipe Circ Seam	B9.11.2					100	UT	40813			LDC-3	
24-003	Tee To Pipe Circ Seam	B9.11.3		9			100	PT	NA	X	X	LDC-4	
24-003	Tee To Pipe Circ Seam	B9.11.3		9			100	UT	40813	X	X	LDC-4	
24-004	Pipe To Ell Circ Seam	B9.11.4		9			100	PT	NA	X	X	LDC-5	
24-004	Pipe To Ell Circ Seam	B9.11.4		9			100	UT	40813	X	X	LDC-5	
24-005	Ell To Pipe Circ Seam	B9.11.5		9			100	PT	NA	X	X	LDC-6	
24-005	Ell To Pipe Circ Seam	B9.11.5		9			100	UT	40813	X	X	LDC-6	
24-006	Pipe To Ell Circ Seam	B9.11.6		8			100	PT	NA	X	X	LDC-7	
24-006	Pipe To Ell Circ Seam	B9.11.6		8			100	UT	40813	X	X	LDC-7	
24-007	Ell To Pipe Circ Seam	B9.11.7					100	PT	NA	X	X	LDC-8	
24-007	Ell To Pipe Circ Seam	B9.11.7					100	UT	40813	X	X	LDC-8	
24-008	Pipe To Ell Circ Seam	B9.11.8		8			100	PT	NA	X	X	LDC-9	
24-008	Pipe To Ell Circ Seam	B9.11.8		8			100	UT	40813	X	X	LDC-9	
24-009	Ell To Pipe Circ Seam	B9.11.9		8			100	PT	NA	X	X	LDC-10	
24-009	Ell To Pipe Circ Seam	B9.11.9		8			100	UT	40813	X	X	LDC-10	
24-010	Pipe To Pipe Circ Seam	B9.11.10		7			100	PT	NA	X	X	LDC-11	
24-010	Pipe To Pipe Circ Seam	B9.11.10		7			100	UT	40813	X	X	LDC-11	
24-011	Pipe To Ell Circ Seam	B9.11.11		7			100	PT	NA	X	X	LDC-12	
24-011	Pipe To Ell Circ Seam	B9.11.11		7			100	UT	40813	X	X	LDC-12	
24-012	Ell To Pipe Circ Seam	B9.11.12		7			100	PT	NA			LDC-13	
24-012	Ell To Pipe Circ Seam	B9.11.12		7			100	UT	40813			LDC-13	
24-013	Pipe To Ell Circ Seam	B9.11.13		7			100	PT	NA	X	X	LDC-14	
24-013	Pipe To Ell Circ Seam	B9.11.13		7			100	UT	40813	X	X	LDC-14	
24-014	Ell To Pipe Circ Seam	B9.11.14		7			100	PT	NA			LDC-15	
24-014	Ell To Pipe Circ Seam	B9.11.14		7			100	UT	40813			LDC-15	
24-015	Pipe To Ell Circ Seam	B9.11.15		7			100	PT	NA			LDC-16	
24-015	Pipe To Ell Circ Seam	B9.11.15		7			100	UT	40813			LDC-16	
24-016	Ell To Tee Circ Seam	B9.11.16		7			100	PT	NA			LDC-17	
24-016	Ell To Tee Circ Seam	B9.11.16		7			100	UT	40813			LDC-17	
24-017	Tee To Pipe Circ Seam	B9.11.17		7			100	PT	NA			LDC-18	
24-017	Tee To Pipe Circ Seam	B9.11.17		7			100	UT	40813			LDC-18	

PROGRAM PLAN AND SCHEDULE
ZONE - 24
COMPONENT DESCRIPTION
LETDOWN COOLER & DRAIN

FORM ENG-011
ANO-UNIT-ONE
PIPING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
14-017	Tee To Pipe Circ Seam	89.11.17					100	UT	40813				LDC-18
14-018	Pipe To Ell Circ Seam	89.11.18					100	PT	NA				LDC-19
14-018	Pipe To Ell Circ Seam	89.11.18					100	UT	40813				LDC-19
14-019	Ell To Pipe Circ Seam	89.11.19					100	PT	NA				LDC-20
14-019	Ell To Pipe Circ Seam	89.11.19					100	UT	40813				LDC-20
14-020	Tee To Pipe Circ Seam	89.11.20					100	PT	NA				LDC-21
14-020	Tee To Pipe Circ Seam	89.11.20					100	UT	40813				LDC-21
14-021	Pipe To Ell Circ Seam	89.11.21					100	PT	NA				LDC-22
14-021	Pipe To Ell Circ Seam	89.11.21					100	UT	40813				LDC-22
14-022	Ell To Pipe Circ Seam	89.11.22					100	PT	NA				LDC-23
14-022	Ell To Pipe Circ Seam	89.11.22					100	UT	40813				LDC-23
14-023	Pipe To Pipe Circ Seam	89.11.23					100	PT	NA				LDC-24
14-023	Pipe To Pipe Circ Seam	89.11.23					100	UT	40813				LDC-24
14-024	Pipe To Valve Circ Seam	89.11.24					100	PT	NA				LDC-25
14-024	Pipe To Valve Circ Seam	89.11.24					100	UT	40813				LDC-25
14-025	Valve To Pipe Circ Seam	89.11.25					100	PT	NA				LDC-26
14-025	Valve To Pipe Circ Seam	89.11.25					100	UT	40813				LDC-26
14-026	Pipe To Ell Circ Seam	89.11.26					100	PT	NA				LDC-27
14-026	Pipe To Ell Circ Seam	89.11.26					100	UT	40813				LDC-27
14-027	Ell To Pipe Circ Seam	89.11.27					100	PT	NA				LDC-28
14-027	Ell To Pipe Circ Seam	89.11.27					100	UT	40813				LDC-28
14-028	Pipe To Pipe Circ Seam	89.11.28					100	PT	NA				LDC-29
14-028	Pipe To Pipe Circ Seam	89.11.28					100	UT	40813				LDC-29
14-029	Pipe To Ell Circ Seam	89.11.29					100	PT	NA				LDC-30
14-029	Pipe To Ell Circ Seam	89.11.29					100	UT	40813				LDC-30
14-030	Ell To Pipe Circ Seam	89.11.30					100	PT	NA				LDC-31
14-030	Ell To Pipe Circ Seam	89.11.30					100	UT	40813				LDC-31
14-031	Pipe To Red Circ Seam	89.11.31					100	PT	NA				LDC-32
14-031	Pipe To Red Circ Seam	89.11.31					100	UT	40813				LDC-32
14-032A	Red To E29A Circ Seam	89.11.32					100	PT	NA				LDC-32A
14-032A	Red To E29A Circ Seam	89.11.32					100	UT	40813				LDC-32A
14-033A	E29B To Red Circ Seam	89.11.33					100	PT	NA				LDC-50A
14-033A	E29B To Red Circ Seam	89.11.33					100	UT	40813				LDC-50A

PROGRAM PLAN AND SCHEDULE

ZONE-24

COMPONENT DESCRIPTION
LETDOWN COOLER & DRAIN

FORM ENG-011

ANO-UNIT-ONE

PIPING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
24-034	Red To Pipe Circ Seam	B9.11.34					100	PT	NA				LDC-50
24-034	Red To Pipe Circ Seam	B9.11.34					100	UT	40813				LDC-50
24-035	Pipe To Ell Circ Seam	B9.11.35					100	PT	NA				LDC-49
24-035	Pipe To Ell Circ Seam	B9.11.35					100	U	40813				LDC-49
24-036	Ell To Pipe Circ Seam	B9.11.36					100	PT	NA				LDC-48
24-036	Ell To Pipe Circ Seam	B9.11.36					100	UT	40813				LDC-48
24-037	Pipe To Pipe Circ Seam	B9.11.37					100	PT	NA				LDC-47
24-037	Pipe To Pipe Circ Seam	B9.11.37					100	UT	40813				LDC-47
24-038	Pipe To Valve Circ Seam	B9.11.38					100	PT	NA				LDC-46
24-038	Pipe To Valve Circ Seam	B9.11.38					100	UT	40813				LDC-46
24-039	Valve To Pipe Circ Seam	B9.11.39					100	PT	NA				LDC-45
24-039	Valve To Pipe Circ Seam	B9.11.39					100	UT	40813				LDC-45
24-040	Pipe To Ell Circ Seam	B9.11.40					100	PT	NA				LDC-44
24-040	Pipe To Ell Circ Seam	B9.11.40					100	UT	40813				LDC-44
24-041	Ell To Pipe Circ Seam	B9.11.41					100	PT	NA				LDC-43
24-041	Ell To Pipe Circ Seam	B9.11.41					100	UT	40813				LDC-43
24-042	Pipe To Pipe Circ Seam	B9.11.42					100	PT	NA				LDC-42
24-042	Pipe To Pipe Circ Seam	B9.11.42					100	UT	40813				LDC-42
24-043	Pipe To Ell Circ Seam	B9.11.43					100	PT	NA				LDC-41
24-043	Pipe To Ell Circ Seam	B9.11.43					100	UT	40813				LDC-41
24-044	Ell To Pipe Circ Seam	B9.40.1					100	PT	NA				LDC-40
24-044	Ell To Pipe Circ Seam	B9.40.1					100	UT	NA				LDC-40
24-045	Red To Pipe Socket Weld	B9.40.2					100	PT	NA		X	X	DL-B1-2
24-045	Red To Pipe Socket Weld	B9.40.2					100	UT	NA		X	X	DL-B1-3
24-046	Pipe To Valve Socket Weld	B9.40.4					100	PT	NA		X	X	DL-B1-4
24-046	Pipe To Valve Socket Weld	B9.40.4					100	UT	NA		X	X	DL-B1-5
24-047	Valve To Tee Socket Weld	B9.40.5					100	PT	NA		X	X	DL-B1-7
24-047	Valve To Tee Socket Weld	B9.40.5					100	UT	NA		X	X	DL-B1-8
24-048	Pipe To Tee Socket Weld	B9.40.6					100	PT	NA		X	X	DL-B1-7
24-048	Pipe To Tee Socket Weld	B9.40.6					100	UT	NA		X	X	DL-B1-8
24-049	Tee To Pipe Socket Weld	B9.40.8					100	PT	NA		X	X	LDC-39
24-049	Tee To Pipe Socket Weld	B9.40.8					100	UT	NA		X	X	LDC-39
24-051	Valve To Pipe Circ Seam	B9.11.44					100	PT	40813				LDC-38
24-051	Valve To Pipe Circ Seam	B9.11.44					100	UT	NA				LDC-38
24-052	Pipe To Ell Circ Seam	B9.11.45					100	PT	40813				LDC-37
24-052	Pipe To Ell Circ Seam	B9.11.45					100	UT	NA				LDC-37
24-053	Ell To Pipe Circ Seam	B9.11.46					100	PT	NA				LDC-37
24-053	Ell To Pipe Circ Seam	B9.11.46					100	UT	NA				LDC-37

PROGRAM PLAN AND SCHEDULE

ZONE- 24

COMPONENT DESCRIPTION

LETDOWN COOLER & DRAIN

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE					% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4	S				I	WP		
24-053	Ell To Pipe Circ Seam	B9.11.46					100	UT	40813				LDC-37	
24-054	Pipe To Pipe Circ Seam	B9.11.47					100	PT	NA				LDC-36	
24-054	Pipe To Pipe Circ Seam	B9.11.47					100	UT	40813				LDC-36	
24-055	Pipe To Ell Circ Seam	B9.11.48					100	PT	NA				LDC-35	
24-055	Pipe To Ell Circ Seam	B9.11.48					100	UT	40813				LDC-35	
24-056	Ell To Pipe Circ Seam	B9.11.49					100	PT	NA				LDC-34	
24-056	Ell To Pipe Circ Seam	B9.11.49					100	UT	40813				LDC-34	
24-057	Pipe To Red Circ Seam	B9.11.50					100	PT	NA				LDC-33	
24-057	Pipe To Red Circ Seam	B9.11.50					100	UT	40813				LDC-33	
24-058	Red To Pipe Circ Seam	B9.11.51					100	PT	NA				LDC-51	
24-058	Red To Pipe Circ Seam	B9.11.51					100	UT	40813				LDC-51	
24-059	Pipe To Ell Circ Seam	B9.11.52					100	PT	NA				LDC-52	
24-059	Pipe To Ell Circ Seam	B9.11.52					100	UT	40813				LDC-52	
24-060	Ell To Pipe Circ Seam	B9.11.53					100	PT	NA				LDC-53	
24-060	Ell To Pipe Circ Seam	B9.11.53					100	UT	40813				LDC-53	
24-061	Pipe To Pipe Circ Seam	B9.11.54					100	PT	NA				LDC-55	
24-061	Pipe To Pipe Circ Seam	B9.11.54					100	UT	40813				LDC-55	
24-062	Pipe To Ell Circ Seam	B9.11.55					100	PT	NA				LDC-56	
24-062	Pipe To Ell Circ Seam	B9.11.55					100	UT	40813				LDC-56	
24-063	Ell To Pipe Circ Seam	B9.11.56					100	PT	NA				LDC-57	
24-063	Ell To Pipe Circ Seam	B9.11.56					100	UT	40813				LDC-57	
24-064	Pipe To Valve Circ Seam	B9.11.57					100	PT	NA				LDC-58	
24-064	Pipe To Valve Circ Seam	B9.11.57					100	UT	40813				LDC-58	
24-065	Red To Pipe Circ Seam	B9.11.58					100	PT	NA				LDC-51A	
24-065	Red To Pipe Circ Seam	B9.11.58					100	UT	40813				LDC-51A	
24-066	Pipe To SE Circ Seam	B5.50.1					100	PT	NA				LDC-1SE	
24-066	Pipe To SE Circ Seam	B5.50.1					100	UT	40813				LDC-1SE	
24-067	1 3/4" Valve RBD-8A	B12.40.1					100	VT-3	NA					
24-067	1 3/4" Valve RBD-8A	B12.40.1					100	VT-3	NA					
24-068	1 3/4" Valve RBD-9A	B12.40.2					100	VT-3	NA					
24-068	1 3/4" Valve RBD-9A	B12.40.2					100	VT-3	NA					
24-069	2 3/4" Valve CV-1213	B12.40.3					100	VT-3	NA					
24-069	2 3/4" Valve CV-1213	B12.40.3					100	VT-3	NA					
24-070	2 3/4" Valve CV-1215	B12.40.4					100	VT-3	NA					
24-070	2 3/4" Valve CV-1215	B12.40.4					100	VT-3	NA					
24-071	2 3/4" Valve CV-1214	B12.40.5					100	VT-3	NA					
24-071	2 3/4" Valve CV-1214	B12.40.5					100	VT-3	NA					
24-072	2 3/4" Valve CV-1216	B12.40.6					100	VT-3	NA					
24-072	2 3/4" Valve CV-1216	B12.40.6					100	VT-3	NA					

PROGRAM PLAN AND SCHEDULE

ANO-UNIT-ONE

ZONE- 24

P. 0E-5 of 5

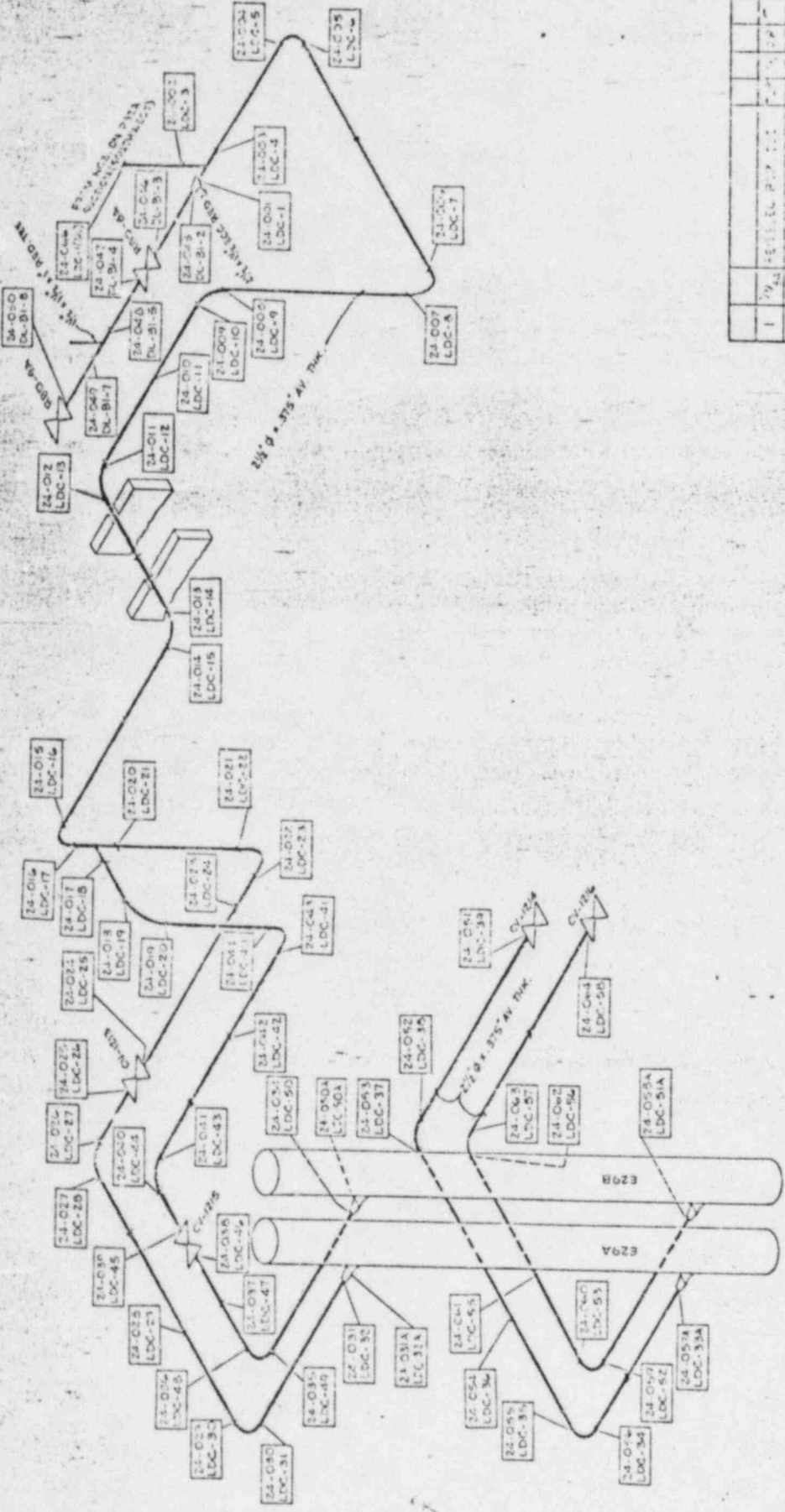
PIPING PRESSURE BOUNDARY

COMPONENT DESCRIPTION

CLASS- 1

LEIDOWN COOLER & DRAIN

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
24-073	Valve RFD-8A Bolts-Studs-Nuts	B7.70.1					100	VT-1	NA	X	X	X	
24-074	Valve RFD-9A Bolts-Studs-Nuts	B7.70.2					100	VT-1	NA	X	X	X	
24-075	Valve CV-1213 Bolts-Studs-Nuts	B7.70.3	REQ.				100	VT-1	NA	NA	NA	NA	
24-076	Valve CV-1215 Bolts-Studs-Nuts	B7.70.4	REQ.				100	VT-1	NA	NA	NA	NA	
24-077	Valve CV-1214 Bolts-Studs-Nuts	B7.70.5	REQ.				100	VT-1	NA	NA	NA	NA	
24-078	Valve CV-1216 Bolts-Studs-Nuts	B7.70.6	REQ.				100	VT-1	NA	NA	NA	NA	
24-079	Guide MU-125	B10.10.1					100	PT	NA	X	X	X	SK#1-306
24-080	Spring Hanger MU-135	F3.50.1					100	VT-4	NA	NA	NA	NA	SK#1-320
24-081	Restraint MU-134	F3.40.1					100	VT-3	NA	NA	NA	NA	SK#1-318
24-082	Spring Hanger MU-133	F3.50.2					100	VT-4	NA	NA	NA	NA	SK#1-316
24-083	Spring Hanger MU-132	F3.50.3					100	VT-4	NA	NA	NA	NA	SK#1-315
24-084	Spring Hanger MU-130	F3.50.4					100	VT-4	NA	NA	NA	NA	SK#1-325
24-085	Rigid Hanger MU-129	F3.40.2					100	VT-3	NA	NA	NA	NA	SK#1-311
24-086	Restraint MU-128	F3.40.3					100	VT-3	NA	NA	NA	NA	SK#1-310
24-087	Spring Hanger MU-127	F3.50.5					100	VT-4	NA	NA	NA	NA	SK#1-309
24-088	Spring Hanger MU-126	F3.50.6					100	VT-4	NA	NA	NA	NA	SK#1-307
24-089	Spring Hanger MU-130	F3.50.7					100	VT-4	NA	NA	NA	NA	SK#1-326
24-090	Guide MU-125	F3.40.4					100	VT-3	NA	NA	NA	NA	SK#1-306
24-091	Spring Hanger MU-136	F3.50.8					100	VT-4	NA	NA	NA	NA	SK#1-322
24-092	Spring Hanger MU-124	F3.50.9					100	VT-4	NA	NA	NA	NA	SK#1-305
24-093	Pressure Retaining Boundary	B15.50	BP				100	VT-2	NA	NA	NA	NA	System Leakage Test
24-094	Pressure Retaining Boundary	B15.51	BP				100	VT-2	NA	NA	NA	NA	System Hydrotest
24-095	Pressure Retaining Boundary	B15.70	BP				100	VT-2	NA	NA	NA	NA	System Leakage Test
24-096	Pressure Retaining Boundary	B15.71	BP				100	VT-2	NA	NA	NA	NA	System Hydrotest

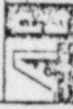


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ARKANSAS POWER AND LIGHT COMPANY
 ARKANSAS NUCLEAR ONE
 UNIT 1

LETDOWN COOLER & DRAIN
 ZONE 24

DATE: 8/1/52
 DRAWN BY: W. J. ...
 CHECKED BY: ...
 SCALE: 1\"/>



PROGRAM PLAN AND SCHEDULE

FORM ENG-011

ANO-UNIT-ONE

PIPING PRESSURE BOUNDARY

ZONE- 25

COMPONENT DESCRIPTION

RC DRAINS

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4				S	WF	
25-001	P32C Suction To Coupling SE	B5.42.1	BE 7				100	PT	NA	X	X	DL-A1-1 S/E
25-002	Coupling To Pipe Socket Weld	B9.40.1	BJ 8				100	PT	NA	X	X	DL-2
25-003	Pipe To Ell Socket Weld	B9.40.2	BJ 9				100	PT	NA	X	X	DL-3
25-004	Ell To Pipe Socket Weld	B9.40.3	BJ				100	PT	NA			DL-4
25-005	Pipe To Valve Socket Weld	B9.40.4	BJ				100	PT	NA			DL-5
25-006	Valve To Pipe Socket Weld	B9.40.5	BJ				100	PT	NA			DL-6
25-007	Pipe To Tee Socket Weld	B9.40.6	BJ				100	PT	NA			DL-7
25-008	Tee To Red Socket Weld	B9.40.7	BJ				100	PT	NA			DL-8
25-009	Tee To Pipe Socket Weld	B9.40.8	BJ				100	PT	NA			DL-9
25-010	Pipe To Valve Socket Weld	B9.40.9	BJ				100	PT	NA			DL-10
25-011	P32D Suction To Coupling SE	B5.42.2	BE 7				100	PT	NA	X	X	DL-A2-1 S/E
25-012	Coupling To Pipe Socket Weld	B9.40.10	BJ 8				100	PT	NA	X	X	DL-2
25-013	Pipe To Ell Socket Weld	B9.40.11	BJ	10			100	PT	NA	X	X	DL-3
25-014	Ell To Pipe Socket Weld	B9.40.12	BJ				100	PT	NA			DL-4
25-015	Pipe To Valve Socket Weld	B9.40.13	BJ				100	PT	NA			DL-5
25-016	Valve To Pipe Socket Weld	B9.40.14	BJ				100	PT	NA			DL-6
25-017	Pipe To Tee Socket Weld	B9.40.15	BJ				100	PT	NA			DL-7
25-018	Tee To Red Socket Weld	B9.40.16	BJ				100	PT	NA			DL-8
25-019	Tee To Pipe Socket Weld	B9.40.17	BJ				100	PT	NA			DL-9
25-020	Pipe To Valve Socket Weld	B9.40.18	BJ				100	PT	NA			DL-A2-10
25-021	P32B Suction To Coupling SE	B5.42.3	BE 7				100	PT	NA	X	X	DL-B2-1 S/E
25-022	Coupling To Pipe Socket Weld	B9.40.20	BJ				100	PT	NA			DL-2
25-023	Pipe To Ell Socket Weld	B9.40.21	BJ				100	PT	NA			DL-2A
25-024	Ell To Pipe Socket Weld	B9.40.22	BJ		11		100	PT	NA	X	X	DL-2B
25-025	Pipe To Ell Socket Weld	B9.40.23	BJ		11		100	PT	NA	X	X	DL-2C
25-026	Ell To Pipe Socket Weld	B9.40.24	BJ		10		100	PT	NA	X	X	DL-2D
25-027	Pipe To Ell Socket Weld	B9.40.25	BJ 9				100	PT	NA	X	X	DL-2E
25-028	Ell To Pipe Socket Weld	B9.40.26	BJ				100	PT	NA			DL-2F
25-029	Pipe To Ell Socket Weld	B9.40.27	BJ				100	PT	NA			DL-2G
25-030	Ell To Pipe Socket Weld	B9.40.28	BJ				100	PT	NA			DL-2H
25-031	Pipe To Valve Socket Weld	B9.40.29	BJ				100	PT	NA			DL-5
25-032	Valve To Pipe Socket Weld	B9.40.30	BJ				100	PT	NA			DL-6
25-033	Pipe To Tee Socket Weld	B9.40.31	BJ				100	PT	NA			DL-7

PROGRAM PLAN AND SCHEDULE

FORM ENG-011

ANO-UNIT-ONE

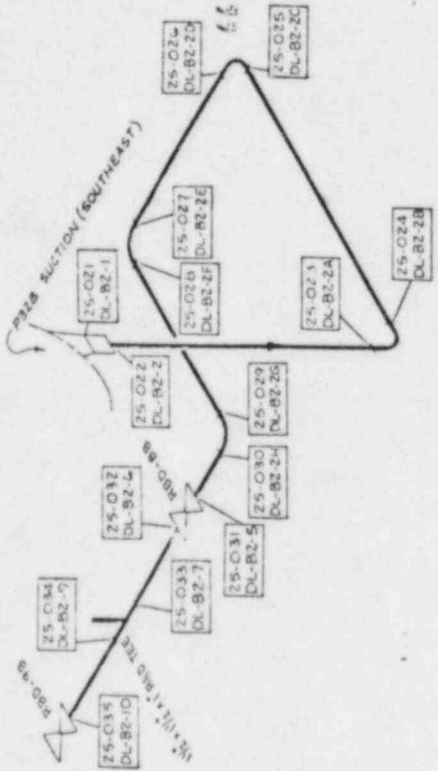
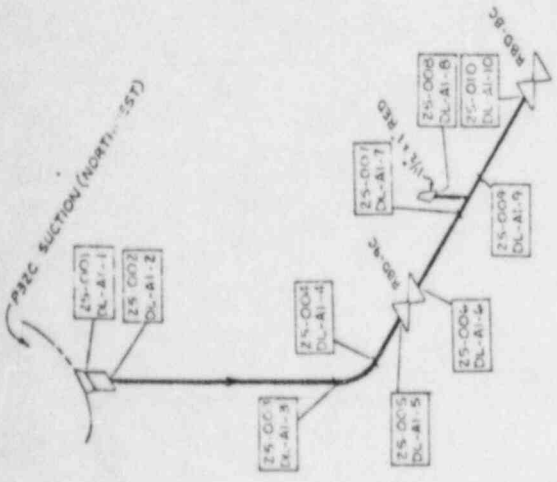
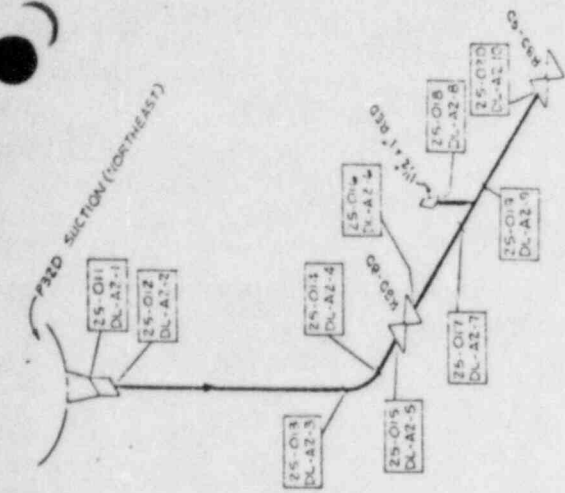
ZONE-25

CLASS-1

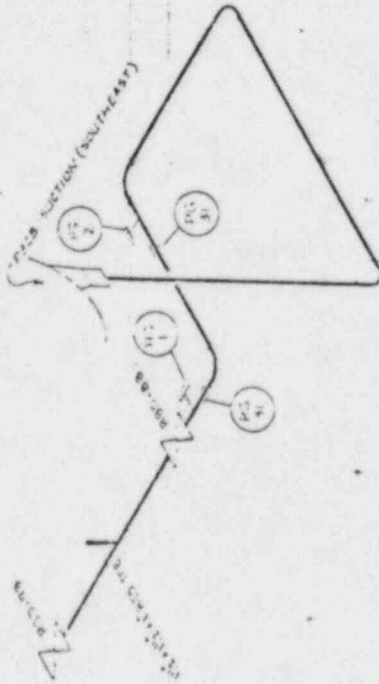
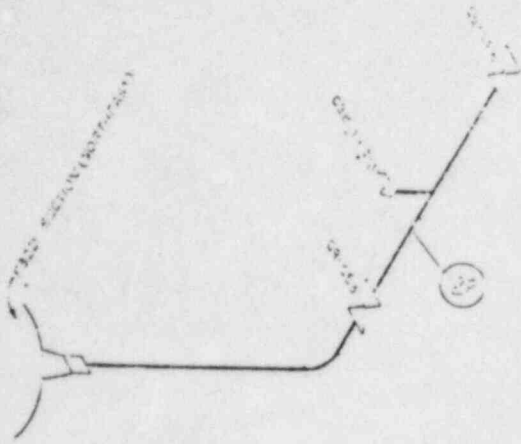
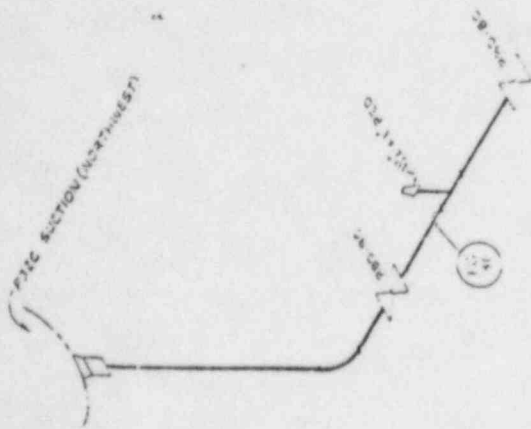
COMPONENT DESCRIPTION

RC DRAINS

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
25-034	Tee To Pipe Socket Weld	B1					100	PT	NA				DL-9
25-035	Pipe To Valve Socket Weld	B1					100	PT	NA				DL-B2-10
25-036	1" Valve RBD-8C	B2					100	VT-3	NA	X	X		
25-037	1" Valve RBD-9C	B2					100	VT-3	NA				
25-038	1" Valve RBD-8D	B2					100	VT-3	NA				
25-039	1" Valve RBD-9D	B2					100	VT-3	NA				
25-040	1" Valve RBD-8B	B2					100	VT-3	NA				
25-041	1" Valve RBD-9B	B2					100	VT-3	NA				
25-042	1" Valve RBD-10B	B2					100	VT-3	NA	X	X		
25-043	Valve RBD-8C Bolts-Studs-Nuts	B2					100	VT-1	NA				
25-044	Valve RBD-9C Bolts-Studs-Nuts	B2					100	VT-1	NA				
25-045	Valve RBD-8D Bolts-Studs-Nuts	B2					100	VT-1	NA				
25-046	Valve RBD-9D Bolts-Studs-Nuts	B2					100	VT-1	NA				
25-047	Valve RBD-8B Bolts-Studs-Nuts	B2					100	VT-1	NA				
25-048	Valve RBD-9B Bolts-Studs-Nuts	B2					100	VT-1	NA				
25-049	Valve RBD-10B Bolts-Studs-Nuts	B2					100	VT-1	NA				
25-050	Hydraulic Snubber HS-1	F-C					100	VT-4	NA	NA	NA	NA	SK#13-271 (Test)
25-051	Hydraulic Snubber HS-2	F-C					100	VT-4	NA	NA	NA	NA	SK#1
25-052	Guide PG-31	F-C					100	VT-3	NA	NA	NA	NA	SK#M-1021
25-053	Guide PG-31	F-C					100	VT-3	NA	NA	NA	NA	SK#M-1021
25-054	Guide PG-31	F-C					100	VT-3	NA	NA	NA	NA	SK#M-1021
25-055	Guide PG-31	F-C					100	VT-3	NA	NA	NA	NA	SK#M-1021
25-056	Pressure Retaining Boundary	BP	7	8	9	10	100	VT-2	NA	NA	NA	NA	System Leakage Test
25-057	Pressure Retaining Boundary	BP	7	8	9	10	100	VT-2	NA	NA	NA	NA	System Leakage Test
25-058	Pressure Retaining Boundary	BP	7	8	9	10	100	VT-2	NA	NA	NA	NA	System Leakage Test
25-059	Pressure Retaining Boundary	BP	7	8	9	10	100	VT-2	NA	NA	NA	NA	System Leakage Test



NO.	DATE	REVISED PER	BY
0		ISSUED PER I.S.I.	R.J.I.
SCALE: DESIGN BY DRAWN BY CHECKED BY			
ARIZONA POWER AND LIGHT COMPANY			
ARKANSAS NUCLEAR ONE			
UNIT 1			
RC DRAINS			
ZONE 25			
DRAWING NO.	REV.		
ISI-125	0		



DATE	BY	CHKD	APP'D

ANALYSIS, POWER AND LIGHT COMPONENT
 2' MAGNITUDE AND EAST ONE
 UNIT 1

RC DRAIN 3
 ZONE 25

151 - 125H

FOR INFORMATION ONLY

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 DATE 08-14-2014 BY 60322 UCBAW/DK/STP

FORM ENG-011

PROGRAM PLAN AND SCHEDULE

REVISED 12/01/83

AKO-UNIT-ONE

ZONE-25

PAGE-1 of 4

PIPING PRESSURE BOUNDARY

COMPONENT DESCRIPTION

CLASS- 2

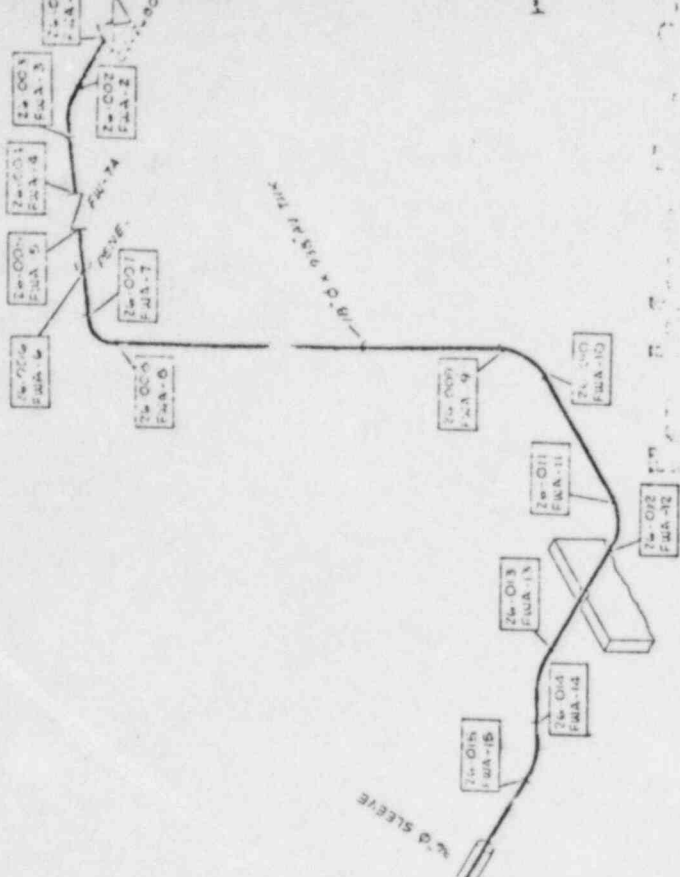
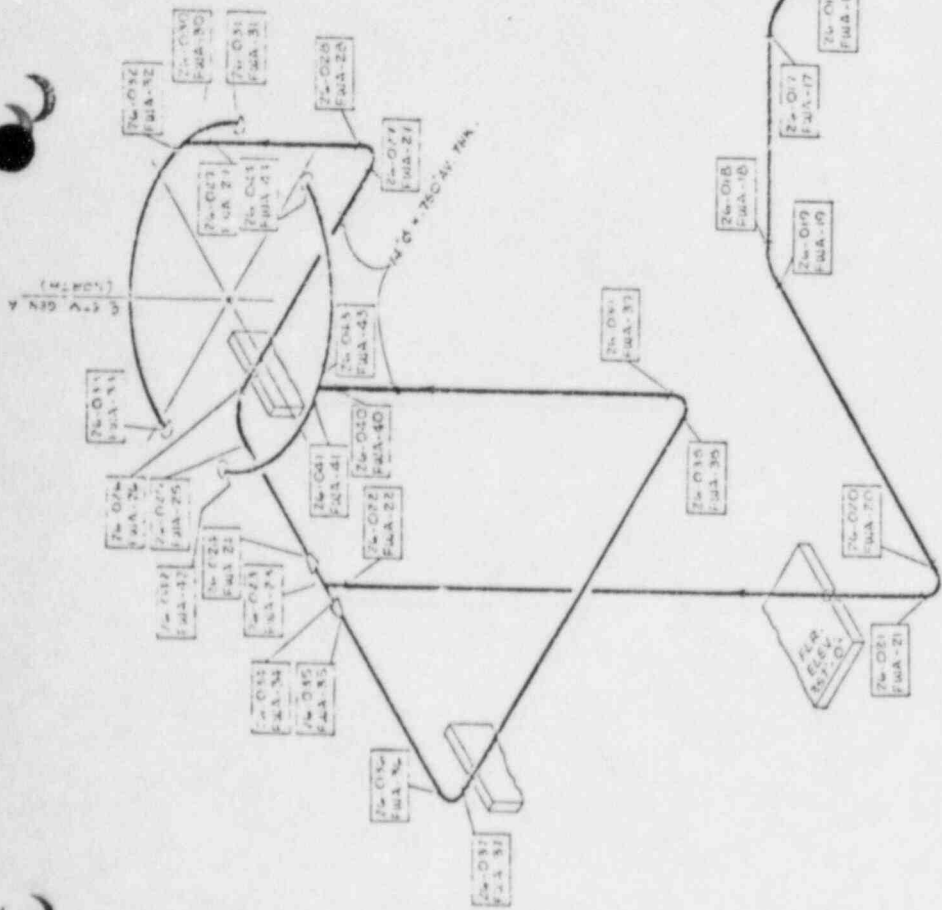
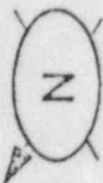
MAIN FEEDWATER A LOOP

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
26-001	Valve To Pipe Circ Seam	CS.21.1	CF				100	MT	NA	X	X	X	FWA-1
26-001	Valve To Pipe Circ Seam	CS.21.1	CF				100	UT	40834	X	X	X	FWA-1
26-002	Pipe To Ell Circ Seam	CS.21.2	CF				100	MT	NA				FWA-2
26-002	Pipe To Ell Circ Seam	CS.21.2	CF				100	UT	40834				FWA-2
26-003	Ell To Pipe Circ Seam	CS.21.3	CF				100	MT	NA				FWA-3
26-003	Ell To Pipe Circ Seam	CS.21.3	CF				100	UT	40834				FWA-3
26-004	Pipe To Valve Circ Seam	CS.21.4	CF				100	MT	NA				FWA-4
26-004	Pipe To Valve Circ Seam	CS.21.4	CF				100	UT	40834				FWA-4
26-005	Valve To Pipe Circ Seam	CS.21.5	CF				100	MT	NA				FWA-5
26-005	Valve To Pipe Circ Seam	CS.21.5	CF				100	UT	40834				FWA-5
26-006	Pipe To Pene. Circ Seam	CS.21.6	CF				100	MT	NA				FWA-6
26-006	Pipe To Pene. Circ Seam	CS.21.6	CF				100	UT	40834				FWA-6
26-007	Pene. To Ell Circ Seam	CS.21.7	CF				100	MT	NA				FWA-7
26-007	Pene. To Ell Circ Seam	CS.21.7	CF				100	UT	40834				FWA-7
26-008	Ell To Pipe Circ Seam	CS.21.8	CF				100	MT	NA				FWA-8
26-008	Ell To Pipe Circ Seam	CS.21.8	CF				100	UT	40834				FWA-8
26-009	Pipe To Ell Circ Seam	CS.21.9	CF				100	MT	NA				FWA-9
26-009	Pipe To Ell Circ Seam	CS.21.9	CF				100	UT	40834				FWA-9
26-010	Ell To Pipe Circ Seam	CS.21.10	CF				100	MT	NA				FWA-10
26-010	Ell To Pipe Circ Seam	CS.21.10	CF				100	UT	40834				FWA-10
26-011	Pipe To Ell Circ Seam	CS.21.11	CF				100	MT	NA				FWA-11
26-011	Pipe To Ell Circ Seam	CS.21.11	CF				100	UT	40834				FWA-11
26-012	Ell To Pipe Circ Seam	CS.21.12	CF				100	MT	NA				FWA-12
26-012	Ell To Pipe Circ Seam	CS.21.12	CF				100	UT	40834				FWA-12
26-013	Pipe To Ell Circ Seam	CS.21.13	CF				100	MT	NA				FWA-13
26-013	Pipe To Ell Circ Seam	CS.21.13	CF				100	UT	40834				FWA-13
26-014	Ell To Ell Circ Seam	CS.21.14	CF				100	MT	NA				FWA-14
26-014	Ell To Ell Circ Seam	CS.21.14	CF				100	UT	40834				FWA-14
26-015	Ell To Pipe Circ Seam	CS.21.15	CF				100	MT	NA				FWA-15
26-015	Ell To Pipe Circ Seam	CS.21.15	CF				100	UT	40834				FWA-15
26-016	Pipe To Ell Circ Seam	CS.21.16	CF				100	MT	NA				FWA-16
26-016	Pipe To Ell Circ Seam	CS.21.16	CF				100	UT	40834				FWA-16
26-017	Ell To Pipe Circ Seam	CS.21.17	CF				100	MT	NA				FWA-17
26-017	Ell To Pipe Circ Seam	CS.21.17	CF				100	UT	40834				FWA-17

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
26-017	Fill To-Pipe-Circ-Seam	CS-21-17	CE				100	UT	40834				FWA-17
26-018	Pipe To-El1-Circ-Seam	CS-21-18	CE				100	MT	NA				FWA-18
26-018	Pipe To-El1-Circ-Seam	CS-21-18	CE				100	UT	40834				FWA-18
26-019	El1 To-Pipe-Circ-Seam	CS-21-19	CE				100	MT	NA				FWA-19
26-019	El1 To-Pipe-Circ-Seam	CS-21-19	CE				100	UT	40834				FWA-19
26-020	Pipe To-El1-Circ-Seam	CS-21-20	CE				100	MT	NA				FWA-20
26-020	Pipe To-El1-Circ-Seam	CS-21-20	CE				100	UT	40834				FWA-20
26-021	El1 To-Pipe-Circ-Seam	CS-21-21	CE				100	MT	NA				FWA-21
26-021	El1 To-Pipe-Circ-Seam	CS-21-21	CE				100	UT	40834				FWA-21
26-022	Pipe To-El1-Circ-Seam	CS-21-22	CE				100	MT	NA				FWA-22
26-022	Pipe To-El1-Circ-Seam	CS-21-22	CE				100	UT	40834				FWA-22
26-023	TEE To-Red-Circ-Seam	CS-21-23	CE				100	MT	NA				FWA-23
26-023	TEE To-Red-Circ-Seam	CS-21-23	CE				100	UT	40834				FWA-23
26-024	Red To-Pipe-Circ-Seam	CS-21-24	CE				100	MT	NA				FWA-24
26-024	Red To-Pipe-Circ-Seam	CS-21-24	CE				100	UT	40834				FWA-24
26-025	Pipe To-El1-Circ-Seam	CS-21-25	CE				100	MT	NA				FWA-25
26-025	Pipe To-El1-Circ-Seam	CS-21-25	CE				100	UT	40834				FWA-25
26-026	El1 To-Pipe-Circ-Seam	CS-21-26	CE				100	MT	NA				FWA-26
26-026	El1 To-Pipe-Circ-Seam	CS-21-26	CE				100	UT	40834				FWA-26
26-027	Pipe To-El1-Circ-Seam	CS-21-27	CE				100	MT	NA				FWA-27
26-027	Pipe To-El1-Circ-Seam	CS-21-27	CE				100	PT	40834				FWA-27
26-028	El1 To-Pipe-Circ-Seam	CS-21-28	CE				100	MT	NA				FWA-28
26-028	El1 To-Pipe-Circ-Seam	CS-21-28	CE				100	PT	40834				FWA-28
26-029	Pipe To-El1-Circ-Seam	CS-21-29	CE				100	MT	NA				FWA-29
26-029	Pipe To-El1-Circ-Seam	CS-21-29	CE				100	UT	40834				FWA-29
26-030	TEE To-Pipe-Circ-Seam	CS-21-30	CE				100	MT	NA				FWA-30
26-030	TEE To-Pipe-Circ-Seam	CS-21-30	CE				100	UT	40834				FWA-30
26-031	Pipe To-End-Cap-Circ-Seam	CS-21-31	CE				100	MT	NA				FWA-31
26-031	Pipe To-End-Cap-Circ-Seam	CS-21-31	CE				100	UT	40834				FWA-31
26-032	TEE To-Pipe-Circ-Seam	CS-21-32	CE				100	MT	NA				FWA-32
26-032	TEE To-Pipe-Circ-Seam	CS-21-32	CE				100	UT	40834				FWA-32
26-033	Pipe To-End-Cap-Circ-Seam	CS-21-33	CE				100	MT	NA				FWA-33
26-033	Pipe To-End-Cap-Circ-Seam	CS-21-33	CE				100	UT	40834				FWA-33

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS	
			1	2	3	4				S	I	WP		
26-034	Tee To Red Circ Seam	C5.21.34	CF					100	MT	NA				FWA-34
26-034	Tee To Red Circ Seam	C5.21.34	CF					100	UT	40834				FWA-34
26-035	Red To Pipe Circ Seam	C5.21.35	CF					100	MT	NA				FWA-35
26-035	Red To Pipe Circ Seam	C5.21.35	CF					100	UT	40834				FWA-35
26-036	Pipe To Ell Circ Seam	C5.21.36	CF	7				100	MT	NA	X	X	X	FWA-36
26-036	Pipe To Ell Circ Seam	C5.21.36	CF	7				100	UT	40834	X	X	X	FWA-36
26-037	Ell To Pipe Circ Seam	C5.21.37	CF					100	MT	NA				FWA-37
26-037	Ell To Pipe Circ Seam	C5.21.37	CF					100	UT	40834				FWA-37
26-038	Pipe To Ell Circ Seam	C5.21.38	CF					100	MT	NA				FWA-38
26-038	Pipe To Ell Circ Seam	C5.21.38	CF					100	UT	40834				FWA-38
26-039	Ell To Pipe Circ Seam	C5.21.39	CF					100	MT	NA				FWA-39
26-039	Ell To Pipe Circ Seam	C5.21.39	CF					100	UT	40834				FWA-39
26-040	Pipe To Tee Circ Seam	C5.21.40	CF					100	MT	NA				FWA-40
26-040	Pipe To Tee Circ Seam	C5.21.40	CF					100	UT	40834				FWA-40
26-041	Tee To Pipe Circ Seam	C5.21.41	CF					100	MT	NA				FWA-41
26-041	Tee To Pipe Circ Seam	C5.21.41	CF					100	UT	40834				FWA-41
26-042	Pipe To End Cap Circ Seam	C5.21.42	CF					100	MT	NA				FWA-42
26-042	Pipe To End Cap Circ Seam	C5.21.42	CF					100	UT	40834				FWA-42
26-043	Tee To Pipe Circ Seam	C5.21.43	CF					100	MT	NA				FWA-43
26-043	Tee To Pipe Circ Seam	C5.21.43	CF					100	UT	40834				FWA-43
26-044	Pipe To End Cap Circ Seam	C5.21.44	CF					100	MT	NA				FWA-44
26-044	Pipe To End Cap Circ Seam	C5.21.44	CF					100	UT	40834				FWA-44
26-045	14" Valve CV-2680 Bolts-Studs	C4.40.1	CD					100	UT					All Bolts
26-046	Rigid Hanger MFW-25	C3.20.1	CC		9			100	PT MT	NA	X	X	X	SK#4-107
26-047	Spring Hanger MFW-19	C3.20.2	CC					100	PT MT	NA	X	X	X	SK#4-103
26-048	Spring Hanger MFW-30	F3.50.1	F-C				11	100	VT-4	NA	NA	NA	NA	SK#5-1206
26-049	Rigid Hanger MFW-26	F3.30.1	F-C					100	VT-3	NA	NA	NA	NA	SK#4-108
26-050	Rigid Hanger MFW-25	F3.30.2	F-C		9			100	VT-3	NA	NA	NA	NA	SK#4-107
26-051	Restraint MFW-22	F3.30.3	F-C					100	VT-3	NA	NA	NA	NA	SK#4-105
26-052	Restraint MFW-23	F3.30.4	F-C				10	100	VT-3	NA	NA	NA	NA	SK#4-106
26-053	Rigid Hanger MFW-24	F3.30.5	F-C					100	VT-3	NA	NA	NA	NA	SK#4-106
26-054	Spring Hanger MFW-21	F3.50.2	F-C					100	VT-4	NA	NA	NA	NA	SK#4-113
26-055	Spring Hanger MFW-19	F3.50.3	F-C	7				100	VT-4	NA	NA	NA	NA	SK#4-103

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE					% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4	S				I	WP	
26-056	Spring Hanger NFW-18	F3.50.4	F-C					100	VI-4	NA	NA	NA	SK#4-111
26-057	Restraint NFW-20	F3.30.6	F-C					100	VI-3	NA	NA	NA	SK#
26-058	Spring Hanger NFW-17	F3.50.5	F-C					100	VI-4	NA	NA	NA	SK#4-112
26-059	Hydraulic Snubber HS-22	F3.50.6	F-C					100	VI-4	NA	NA	NA	SK#4-113
26-060	Hydraulic Snubber HS-23	F3.50.7	F-C					100	VI-4	NA	NA	NA	SK#4-116
26-061	Hydraulic Snubber HS-24	F3.50.8	F-C	8				100	VI-4	NA	NA	NA	SK#4-117 (Test)
26-062	Hydraulic Snubber HS-25	F3.50.9	F-C					100	VI-4	NA	NA	NA	SK#4-118
26-063	Hydraulic Snubber HS-26	F3.50.10	F-C					100	VI-4	NA	NA	NA	SK#4-123
26-064	Hydraulic Snubber HS-27	F3.50.11	F-C					100	VI-4	NA	NA	NA	SK#4-124
26-082	Hydraulic Snubber HS-28	F3.50.12	F-C					100	VI-4	NA	NA	NA	SK#4-125
26-083	Hydraulic Snubber HS-29	F3.50.13	F-C					100	VI-4	NA	NA	NA	SK#4-126
26-084	Pressure Retaining Components	C7.10.1	CH	7	8	9	10	100	VI-2	NA	NA	NA	Pressure Retaining Boundary
26-085	Pressure Retaining Components	C7.20.1	CH	7	8	9	10	100	VI-2	NA	NA	NA	Pressure Retaining Boundary
26-086	Pressure Retaining Components	C7.70.1	CH	7	8	9	10	100	VI-2	NA	NA	NA	Pressure Retaining Boundary
26-087	Pressure Retaining Components	C7.80.1	CH	7	8	9	10	100	VI-2	NA	NA	NA	Pressure Retaining Boundary



NO.	DATE	REVISION	BY	CHKD.	APP'D.
0					

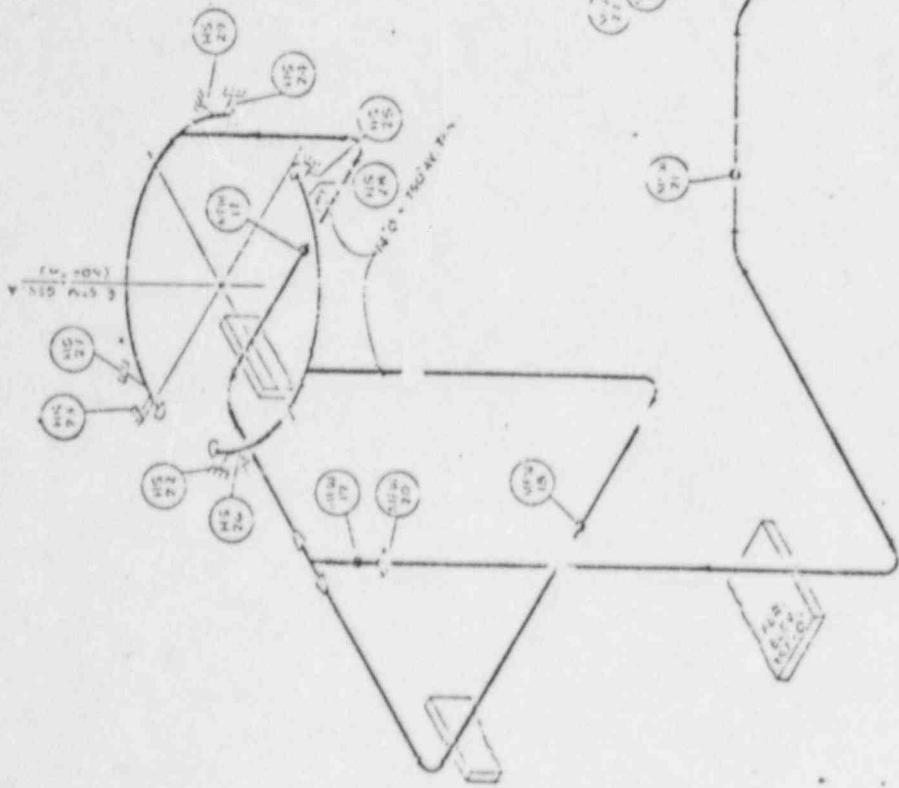
SCALE: 1/4" = 1'-0" (VERT. DIM.)
1/4" = 1'-0" (HORIZ. DIM.)

ISSUED PER I.S.T. R.J.T.

ARKANSAS POWER AND LIGHT COMPANY
ARKANSAS NUCLEAR ONE
UNIT 1

FEEDWATER A
ZONE 26

DRAWING NO. ISI-126
REV. 0



FEEDWATER A ZONE 26	
APPROVED FOR THE COMMAND APPROVED SIGNATURE ONE UNIT 1	
THIS ISSUE IS FOR THE USE OF THE COMMAND ONLY	
ISI - 126H	

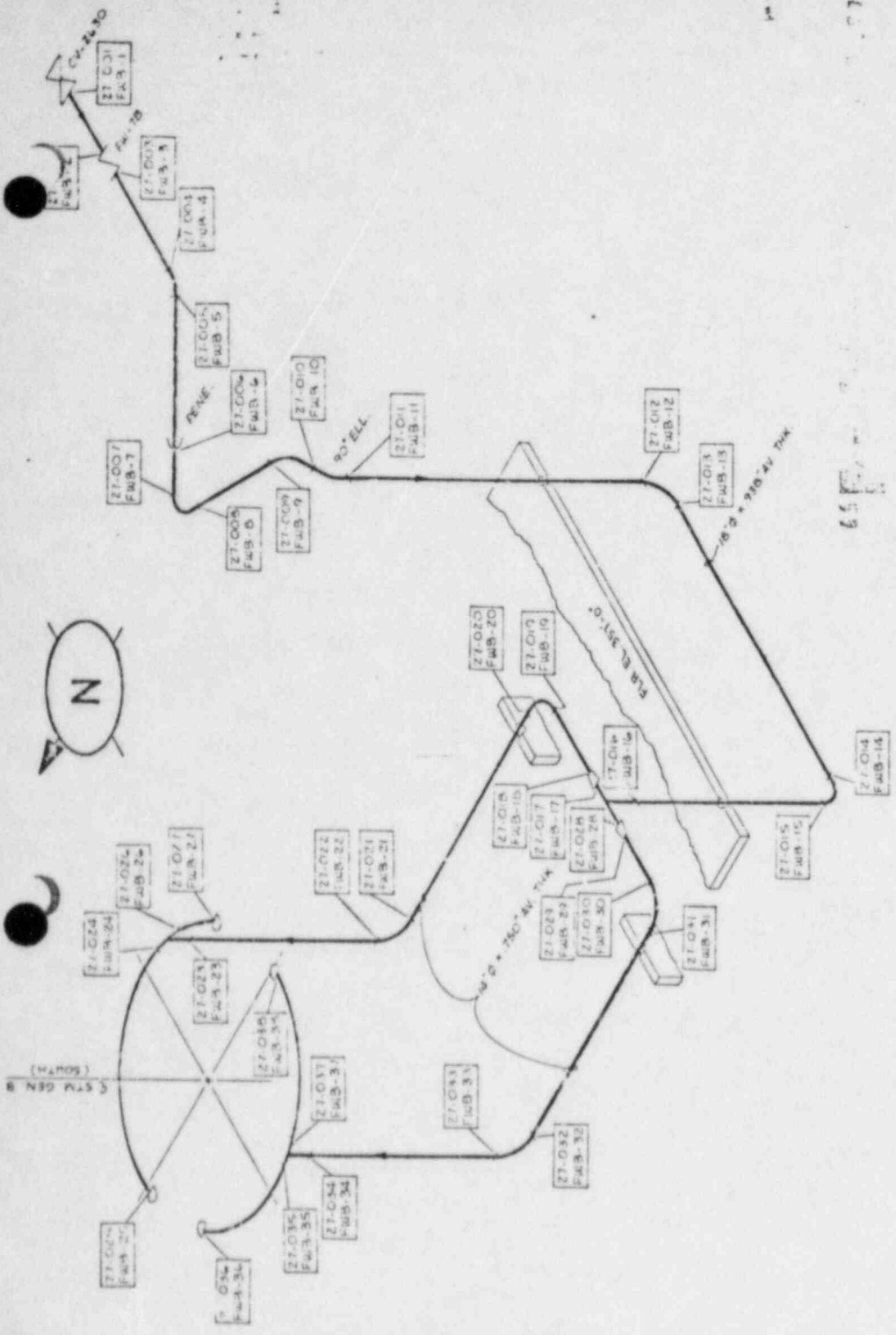
FOR INFORMATION ONLY

THIS ISSUE

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4				S	I	
27-001	Valve To Pipe Circ Seam	CS.21.1	CF				100	MT	NA	X	X	FWB-1
27-001	Valve To Pipe Circ Seam	CS.21.1	CF				100	UT	40834	X	X	FWB-1
27-002	Pipe To Valve Circ Seam	CS.21.2	CF				100	MT	NA			FWB-2
27-002	Pipe To Valve Circ Seam	CS.21.2	CF				100	UT	40834			FWB-2
27-003	Valve To Pipe Circ Seam	CS.21.3	CF				100	MT	NA			FWB-3
27-003	Valve To Pipe Circ Seam	CS.21.3	CF				100	UT	40834			FWB-3
27-004	Pipe To Ell Circ Seam	CS.21.4	CF				100	MT	NA			FWB-4
27-004	Pipe To Ell Circ Seam	CS.21.4	CF				100	UT	40834			FWB-4
27-005	Ell To Pipe Circ Seam	CS.21.5	CF				100	MT	NA			FWB-5
27-005	Ell To Pipe Circ Seam	CS.21.5	CF				100	UT	40834			FWB-5
27-006	Pipe To Pen. Circ Seam	CS.21.6	CF				100	MT	NA	X	X	FWB-6
27-006	Pipe To Pen. Circ Seam	CS.21.6	CF				100	UT	40834	X	X	FWB-6
27-007	Pen. To Ell Circ Seam	CS.21.7	CF				100	MT	NA			FWB-7
27-007	Pen. To Ell Circ Seam	CS.21.7	CF				100	UT	40834			FWB-7
27-008	Ell To Pipe Circ Seam	CS.21.8	CF				100	MT	NA			FWB-8
27-008	Ell To Pipe Circ Seam	CS.21.8	CF				100	UT	40834			FWB-8
27-009	Pipe To Ell Circ Seam	CS.21.9	CF				100	MT	NA			FWB-9
27-009	Pipe To Ell Circ Seam	CS.21.9	CF				100	UT	40834			FWB-9
27-010	Ell To Ell Circ Seam	CS.21.10	CF				100	MT	NA			FWB-10
27-010	Ell To Ell Circ Seam	CS.21.10	CF				100	UT	40834			FWB-10
27-011	Ell To Pipe Circ Seam	CS.21.11	CF				100	MT	NA			FWB-11
27-011	Ell To Pipe Circ Seam	CS.21.11	CF				100	UT	40834			FWB-11
27-012	Pipe To Ell Circ Seam	CS.21.12	CF				100	MT	NA			FWB-12
27-012	Pipe To Ell Circ Seam	CS.21.12	CF				100	UT	40834			FWB-12
27-013	Ell To Pipe Circ Seam	CS.21.13	CF				100	MT	NA			FWB-13
27-013	Ell To Pipe Circ Seam	CS.21.13	CF				100	UT	40834			FWB-13
27-014	Pipe To Ell Circ Seam	CS.21.14	CF				100	MT	NA			FWB-14
27-014	Pipe To Ell Circ Seam	CS.21.14	CF				100	UT	40834			FWB-14
27-015	Ell To Pipe Circ Seam	CS.21.15	CF				100	MT	NA			FWB-15
27-015	Ell To Pipe Circ Seam	CS.21.15	CF				100	UT	40834			FWB-15
27-016	Pipe To Tee Circ Seam	CS.21.16	CF				100	MT	NA			FWB-16
27-016	Pipe To Tee Circ Seam	CS.21.16	CF				100	UT	40834			FWB-16
27-017	Tee To Red Circ Seam	CS.21.17	CF				100	MT	NA			FWB-17

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				%	SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4					S	I	WF	
27-017	Tee To Red Circ Seam	CS-21-17	CF				100	UT	40834				FWB-17	
27-018	Red To Pipe Circ Seam	CS-21-18	CF				100	MT	NA				FWB-18	
27-019	Red To Pipe Circ Seam	CS-21-18	CF				100	UT	40834				FWB-18	
27-019	Pipe To Ell Circ Seam	CS-21-19	CF				100	MT	NA				FWB-19	
27-019	Pipe To Ell Circ Seam	CS-21-19	CF				100	UT	40834				FWB-19	
27-020	Ell To Pipe Circ Seam	CS-21-20	CF				100	MT	NA				FWB-20	
27-020	Ell To Pipe Circ Seam	CS-21-20	CF				100	UT	40834				FWB-20	
27-021	Pipe To Ell Circ Seam	CS-21-21	CF				100	MT	NA				FWB-21	
27-021	Pipe To Ell Circ Seam	CS-21-21	CF				100	UT	40834				FWB-21	
27-022	Ell To Pipe Circ Seam	CS-21-22	CF				100	MT	NA				FWB-22	
27-022	Ell To Pipe Circ Seam	CS-21-22	CF				100	UT	40834				FWB-22	
27-023	Pipe To Tee Circ Seam	CS-21-23	CF				100	MT	NA				FWB-23	
27-023	Pipe To Tee Circ Seam	CS-21-23	CF				100	UT	40834				FWB-23	
27-024	Tee To Pipe Circ Seam	CS-21-24	CF				100	MT	NA				FWB-24	
27-024	Tee To Pipe Circ Seam	CS-21-24	CF				100	UT	40834				FWB-24	
27-025	Pipe To End Cap Circ Seam	CS-21-25	CF				100	MT	NA				FWB-25	
27-025	Pipe To End Cap Circ Seam	CS-21-25	CF				100	UT	40834				FWB-25	
27-026	Tee To Pipe Circ Seam	CS-21-26	CF				100	MT	NA				FWB-26	
27-026	Tee To Pipe Circ Seam	CS-21-26	CF				100	UT	40834				FWB-26	
27-027	Pipe To End Cap Circ Seam	CS-21-27	CF		9		100	MT	NA			X X X	FWB-27	
27-027	Pipe To End Cap Circ Seam	CS-21-27	CF		9		100	UT	40834			X X X	FWB-27	
27-028	Tee To Red Circ Seam	CS-21-28	CF				100	MT	NA				FWB-28	
27-028	Tee To Red Circ Seam	CS-21-28	CF				100	UT	40834				FWB-28	
27-029	Red To Pipe Circ Seam	CS-21-29	CF				100	MT	NA				FWB-29	
27-029	Red To Pipe Circ Seam	CS-21-29	CF				100	UT	40834				FWB-29	
27-030	Pipe To Ell Circ Seam	CS-21-30	CF				100	MT	NA				FWB-30	
27-030	Pipe To Ell Circ Seam	CS-21-30	CF				100	UT	40834				FWB-30	
27-031	Ell To Pipe Circ Seam	CS-21-31	CF				100	MT	NA				FWB-31	
27-031	Ell To Pipe Circ Seam	CS-21-31	CF				100	UT	40834				FWB-31	
27-032	Pipe To Ell Circ Seam	CS-21-32	CF				100	MT	NA				FWB-32	
27-032	Pipe To Ell Circ Seam	CS-21-32	CF				100	UT	40834				FWB-32	
27-033	Ell To Pipe Circ Seam	CS-21-33	CF				100	MT	NA				FWB-33	
27-033	Ell To Pipe Circ Seam	CS-21-33	CF				100	UT	40834				FWB-33	

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4				S	I	
7-034	Pipe To Tee Circ Seam	45.21.34					100	MT	NA			FWB-34
7-034	Pipe To Tee Circ Seam	45.21.34					100	UT	40834			FWB-34
7-035	Tee To Pipe Circ Seam	45.21.35			101		100	MT	NA	X	X	FWB-35
7-035	Tee To Pipe Circ Seam	45.21.35			101		100	UT	40834	X	X	FWB-35
7-036	Pipe To End Cap Circ Seam	45.21.36					100	MT	NA			FWB-36
7-036	Pipe To End Cap Circ Seam	45.21.36					100	UT	40834			FWB-36
7-037	Tee To Pipe Circ Seam	45.21.37					100	MT	NA			FWB-37
7-037	Tee To Pipe Circ Seam	45.21.37					100	UT	40834			FWB-37
7-038	Pipe To End Cap Circ Seam	45.21.38					100	MT	NA			FWB-38
7-038	Pipe To End Cap Circ Seam	45.21.38					100	UT	40834			FWB-38
7-039	18" Valve CV-2630 Bolts	44.40.1					100	UT		X	X	All Bolts Inplace
7-040	18" Valve CV-2630 Bolts	44.40.2					100	UT		X	X	All Bolts Inplace
7-041	Rigid Hanger MFM-H12	43.40.1					100	PT	NA	X	X	SK#4-102
7-042	Restraint MFM-H11	43.40.2					100	PT	NA	X	X	SK#4-101
7-043	Hydraulic Snubber HS-31	43.40.3					100	PT	NA	X	X	SK#4-119
7-044	Spring Hanger MFM-H1	43.50.1					100	VT-4	NA	NA	NA	SK#5-1200
7-045	Rigid Hanger MFM-H12	43.30.1					100	VT-3	NA	NA	NA	SK#4-102
7-046	Restraint MFM-H11	43.30.2					100	VT-3	NA	NA	NA	SK#4-101
7-047	Spring Hanger MFM-H10	43.50.2					100	VT-4	NA	NA	NA	SK#4-100
7-048	Spring Hanger MFM-H9	43.50.3					100	VT-4	NA	NA	NA	SK#4-110
7-049	Spring Hanger MFM-H8	43.50.4					100	VT-4	NA	NA	NA	SK#4-109
7-050	Hydraulic Snubber HS-30	43.50.5					100	VT-4	NA	NA	NA	SK#4-131 (Test)
7-051	Hydraulic Snubber HS-31	43.50.6					100	VT-4	NA	NA	NA	SK#4-119
7-052	Hydraulic Snubber HS-32	43.50.7					100	VT-4	NA	NA	NA	SK#4-120
7-053	Hydraulic Snubber HS-33	43.50.8					100	VT-4	NA	NA	NA	SK#4-121
7-054	Hydraulic Snubber HS-34	43.50.9					100	VT-4	NA	NA	NA	SK#4-122
7-055	Hydraulic Snubber HS-35	43.50.10					100	VT-4	NA	NA	NA	SK#4-127
7-056	Hydraulic Snubber HS-36	43.50.11					100	VT-4	NA	NA	NA	SK#4-128
7-057	Hydraulic Snubber HS-37	43.50.12					100	VT-4	NA	NA	NA	SK#4-124A
7-058	Hydraulic Snubber HS-38	43.50.13					100	VT-4	NA	NA	NA	SK#4-130
7-059	Pressure Retaining Components	47.10.1		8	9	10	100	VT-2	NA	NA	NA	Pressure Retaining Boundary
7-060	Pressure Retaining Components	47.20.1				11	100	VT-2	NA	NA	NA	Pressure Retaining Boundary
7-061	Pressure Retaining Components	47.30.1		8	9	10	100	VT-2	NA	NA	NA	Pressure Retaining Boundary



NO	DATE	REVISION	BY	CHK'D	DATE
0	7/9/68	ISSUED PER ISI	RJIT		

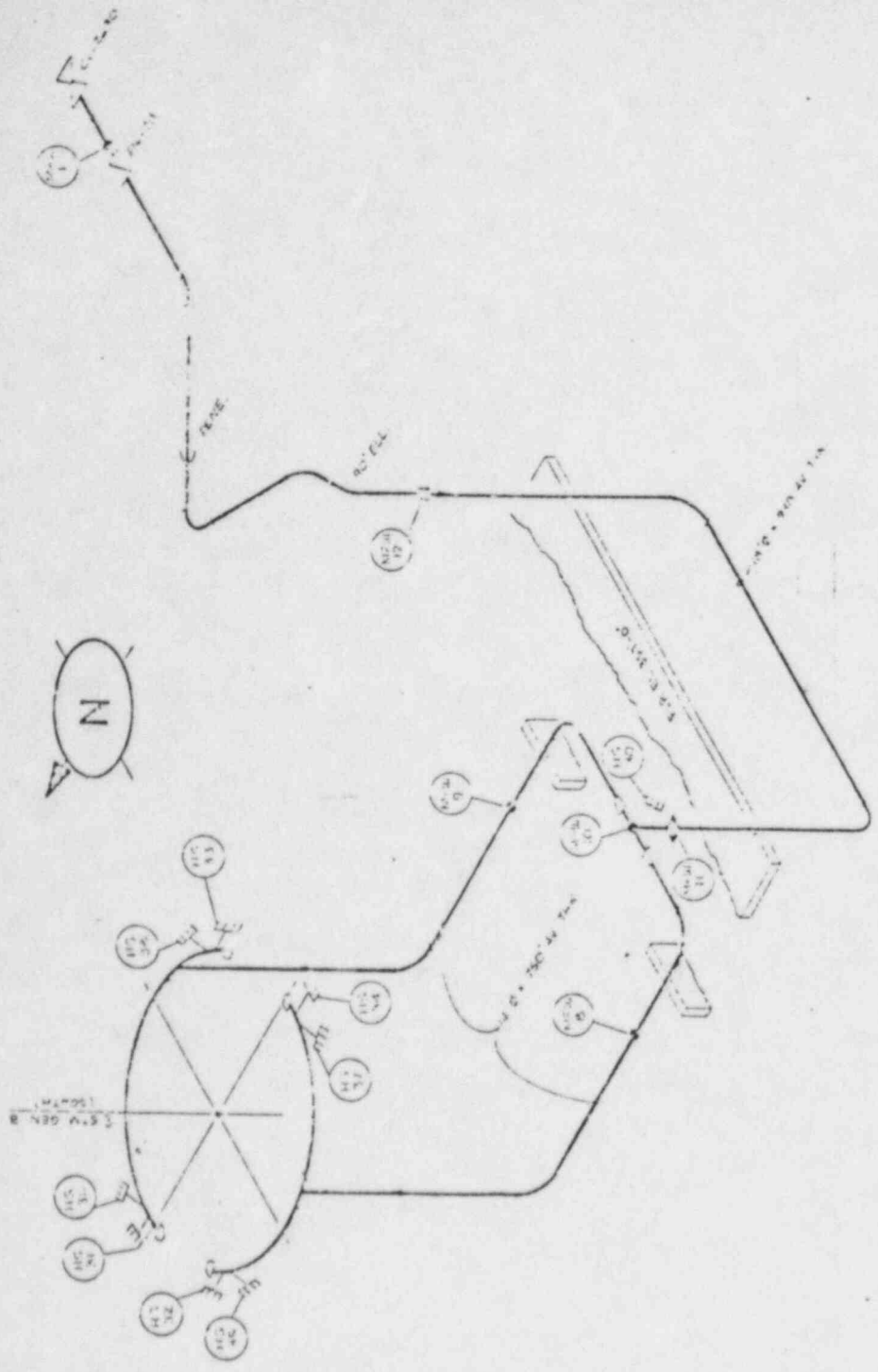
SCALE: SECTION 088 DRAWING NO. 2718

ARKANSAS POWER AND LIGHT COMPANY
ARKANSAS NUCLEAR ONE
UNIT 1

FEEDWATER B
ZONE 27

DRAWING NO. ISI-127

REV. 0



NO.	REV.	DATE	BY	CHKD.
1				
ARKANSAS POWER AND LIGHT COMPANY ARKANSAS NUCLEAR ONE UNIT 1 FEEDWATER B ZONE 27 DRAWING NO. ISI-1-711-0				

FEEDWATER B
 ZONE 27
 DRAWING NO. ISI-1-711-0

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4			S	I	
28-001	Stm Gen A Noz To Ell Circ Seam	C5.21.1					MT	NA			MSA-1
28-001	Stm Gen A Noz To Ell Circ Seam	C5.21.1					UT	40836			MSA-1
28-002	Ell To Pipe Circ Seam	C5.21.2					MT	NA			MSA-2
28-002	Ell To Pipe Circ Seam	C5.21.2					UT	40836			MSA-2
28-003	Pipe To Red Ell Circ Seam	C5.21.3					MT	NA			MSA-3
28-003	Pipe To Red Ell Circ Seam	C5.21.3					UT	40836	X	X	MSA-3
28-004	Red Ell To Pipe Circ Seam	C5.21.4					MT	NA			MSA-4
28-004	Red Ell To Pipe Circ Seam	C5.21.4					UT	40836	X	X	MSA-4
28-005	Pipe To Ell Circ Seam	C5.21.5					MT	NA			MSA-5
28-005	Pipe To Ell Circ Seam	C5.21.5					UT	40836			MSA-5
28-006	Ell To Pipe Circ Seam	C5.21.6					MT	NA			MSA-6
28-006	Ell To Pipe Circ Seam	C5.21.6					UT	40836			MSA-6
28-007	Pipe To Ell Circ Seam	C5.21.7					MT	NA			MSA-7
28-007	Pipe To Ell Circ Seam	C5.21.7					UT	40836	X	X	MSA-7
28-008	Ell To Pipe Circ Seam	C5.21.8					MT	NA			MSA-8
28-008	Ell To Pipe Circ Seam	C5.21.8					UT	40836			MSA-8
28-009	Pipe To Ell Circ Seam	C5.21.9					MT	NA			MSA-9
28-009	Pipe To Ell Circ Seam	C5.21.9					UT	40836			MSA-9
28-010	Ell To Tee Circ Seam	C5.21.10					MT	NA			MSA-10
28-010	Ell To Tee Circ Seam	C5.21.10					UT	40836			MSA-10
28-011	Stm Gen A Noz To Ell Circ Seam	C5.21.11					MT	NA			MSA-11
28-011	Stm Gen A Noz To Ell Circ Seam	C5.21.11					UT	40836			MSA-11
28-012	Ell To Pipe Circ Seam	C5.21.12					MT	NA			MSA-12
28-012	Ell To Pipe Circ Seam	C5.21.12					UT	40836			MSA-12
28-013	Pipe To Red Ell Circ Seam	C5.21.13					MT	NA			MSA-13
28-013	Pipe To Red Ell Circ Seam	C5.21.13					UT	40836			MSA-13
28-014	Red Ell To Pipe Circ Seam	C5.21.14					MT	NA			MSA-14
28-014	Red Ell To Pipe Circ Seam	C5.21.14					UT	40836			MSA-14
28-015	Pipe To Ell Circ Seam	C5.21.15					MT	NA			MSA-15
28-015	Pipe To Ell Circ Seam	C5.21.15					UT	40836			MSA-15
28-016	Ell To Pipe Circ Seam	C5.21.16					MT	NA			MSA-16
28-016	Ell To Pipe Circ Seam	C5.21.16					UT	40836			MSA-16
28-017	Pipe To Ell Circ Seam	C5.21.17					MT	NA			MSA-17
28-017	Pipe To Ell Circ Seam	C5.21.17					UT	40836			MSA-17

PROGRAM PLAN AND SCHEDULE

ZONE- 28

COMPONENT DESCRIPTION

MAIN STEAM A INSIDE CONTAINMENT

FORM ENG-011

ASMO-UNIT-ONE

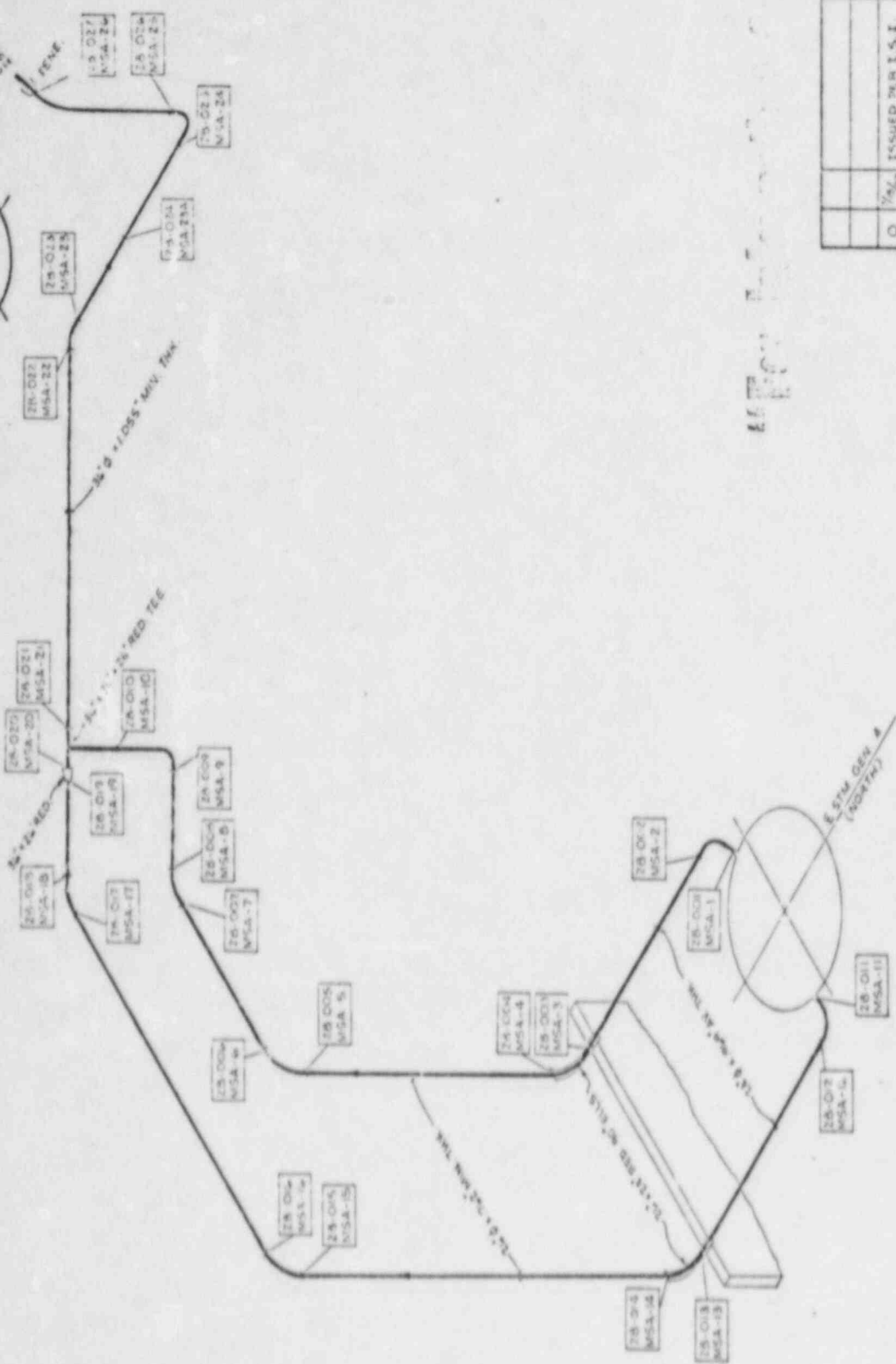
PIPING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4				S	I WF	
88-017	Pipe To Ell Circ Seam	CS-21-17	CE				100	UT	40836			MSA-17
88-018	Ell To Pipe Circ Seam	CS-21-18	CE				100	MT	NA			MSA-18
88-018	Ell To Pipe Circ Seam	CS-21-18	CE				100	UT	40836			MSA-18
88-019	Pipe To Red Circ Seam	CS-21-19	CF				100	MT	NA			MSA-19
88-019	Pipe To Red Circ Seam	CS-21-19	CF				100	UT	40836			MSA-19
88-019	Pipe To Red Circ Seam	CS-21-19	CF				100	MT	NA			MSA-20
88-019	Pipe To Red Circ Seam	CS-21-20	CF				100	UT	40836			MSA-20
88-020	Red To Tee Circ Seam	CS-21-20	CF				100	MT	NA			MSA-21
88-020	Red To Tee Circ Seam	CS-21-21	CE				100	UT	40836			MSA-21
88-021	Tee To Pipe Circ Seam	CS-21-21	CE				100	MT	NA			MSA-22
88-021	Tee To Pipe Circ Seam	CS-21-22	CF				100	UT	40836			MSA-22
88-022	Pipe To Ell Circ Seam	CS-21-22	CF				100	MT	NA			MSA-23
88-022	Pipe To Ell Circ Seam	CS-21-23	CF				100	UT	40836			MSA-23
88-023	Ell To Pipe Circ Seam	CS-21-23	CF				100	MT	NA			MSA-23A
88-023	Ell To Pipe Circ Seam	CS-21-24	CF				100	UT	40836			MSA-23A
88-024	Pipe To Pipe Circ Seam	CS-21-24	CF				100	MT	NA			MSA-24
88-024	Pipe To Pipe Circ Seam	CS-21-25	CF				100	UT	40836			MSA-24
88-025	Pipe To Ell Circ Seam	CS-21-25	CF				100	MT	NA			MSA-25
88-025	Pipe To Ell Circ Seam	CS-21-26	CF				100	UT	40836			MSA-25
88-026	Ell To Pipe Circ Seam	CS-21-26	CF				100	MT	NA			MSA-26
88-026	Ell To Pipe Circ Seam	CS-21-27	CF				100	UT	40836			MSA-26
88-027	Pipe To Pene. Circ Seam	CS-21-27	CF				100	PT MT	NA	X	X	SK#4-340
88-027	Pipe To Pene. Circ Seam	CS-21-27	CF				100	PT MT	NA	X	X	SK#4-331
88-028	Hydraulic Saubber HS-17	CS-10-1	CC				100	PT MT	NA	X	X	SK#4-332A
88-028	Hydraulic Saubber HS-17	CS-10-2	CC				100	PT MT	NA	X	X	SK#4-333A
88-029	Rigid Hanger MS-146	CS-10-3	CC				100	PT MT	NA	X	X	SK#4-340
88-030	Spring Hanger MS-147	CS-10-4	CC				100	VT-4	NA	NA	NA	SK#4-339 (Test)
88-031	Spring Hanger MS-148	CS-50-1	F-C				100	VT-4	NA	NA	NA	SK#4-343
88-032	Hydraulic Saubber HS-17	CS-50-2	F-C				100	VT-4	NA	NA	NA	SK#4-338
88-033	Hydraulic Saubber HS-16	CS-50-2	F-C				100	VT-4	NA	NA	NA	SK#4-341
88-034	Hydraulic Saubber HS-20	CS-50-3	F-C				100	VT-4	NA	NA	NA	SK#4-36A
88-035	Hydraulic Saubber HS-18	CS-50-4	F-C				100	VT-4	NA	NA	NA	SK#4-331
88-036	Hydraulic Saubber HS-19	CS-50-5	F-C				100	VT-4	NA	NA	NA	SK#4-332A
88-037	Spring Hanger MS-145	CS-50-6	F-C				100	VT-4	NA	NA	NA	SK#4-331
88-038	Rigid Hanger MS-146	CS-40-1	F-C				100	VT-4	NA	NA	NA	SK#4-332A
88-039	Spring Hanger MS-147	CS-50-7	F-C				100	VT-4	NA	NA	NA	SK#4-332A

PROGRAM PLAN AND SCHEDULE
 ZONE- 28
 COMPONENT DESCRIPTION
 MAIN STEAM A INSIDE CONTAINMENT

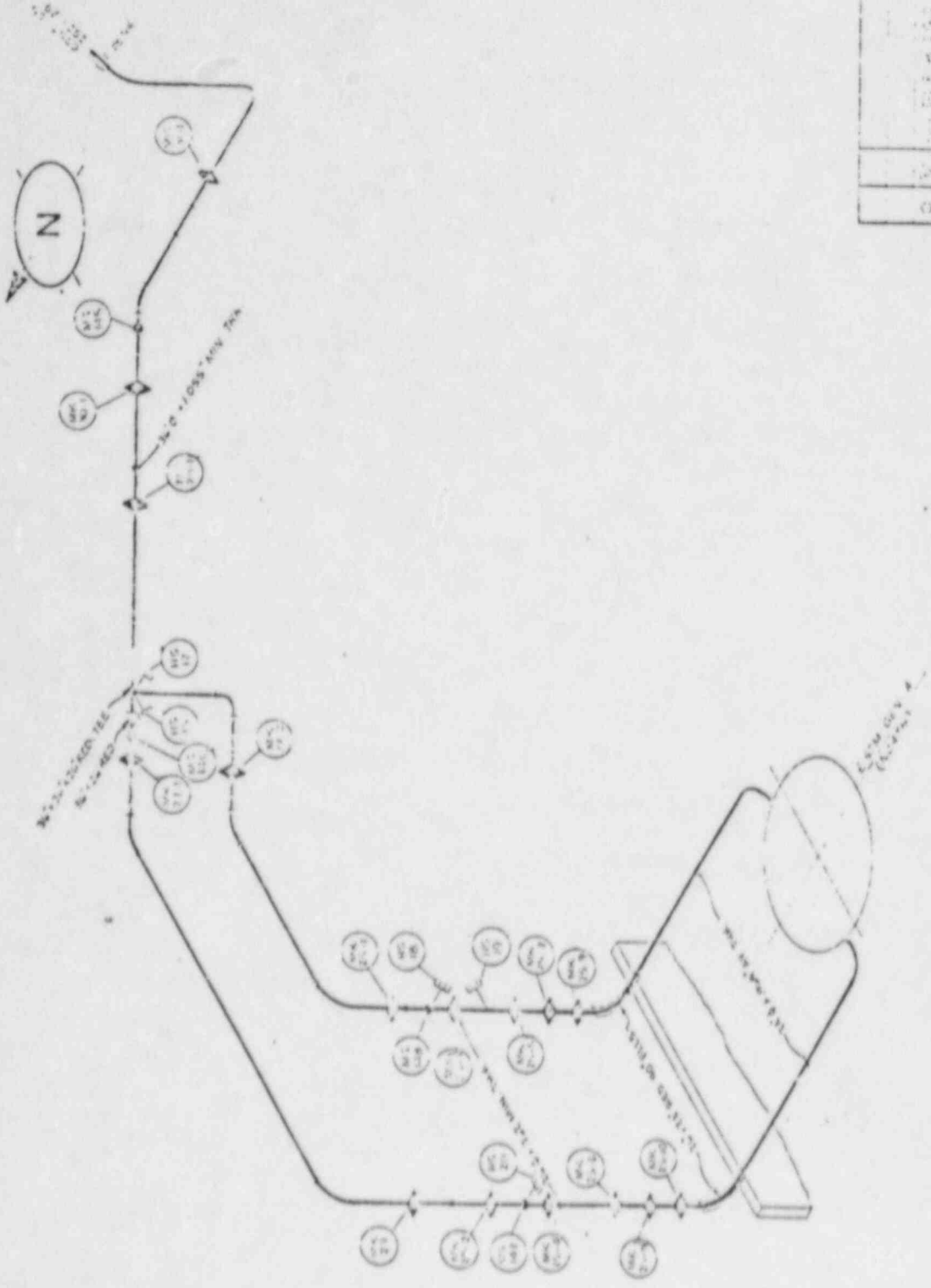
FORM ENG-011
 ANO-UNIT-ONE
 PIPING PRESSURE BOUNDRY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4				S	I	
b8-040	Spring Hanger MS-148	F-C					100	VT-4	NA	NA	NA	SK#4-333A
b8-041	Failure Restraint MK-25-1	F-C					100	VT-3	NA	NA	NA	SK#C-181
b8-042	Failure Restraint MK-25-2	F-C					100	VT-3	NA	NA	NA	SK#C-181
b8-043	Failure Restraint MK-25-3	F-C					100	VT-3	NA	NA	NA	SK#C-181
b8-044	Failure Restraint MK-25-4	F-C					100	VT-3	NA	NA	NA	SK#C-181
b8-045	Failure Restraint MK-25-5	F-C					100	VT-3	NA	NA	NA	SK#C-181
b8-046	Failure Restraint MK-25-6	F-C					100	VT-3	NA	NA	NA	SK#C-181
b8-047	Failure Restraint MK-25-7	F-C					100	VT-3	NA	NA	NA	SK#C-181
b8-048	Failure Restraint MK-25-8	F-C					100	VT-3	NA	NA	NA	SK#C-181
b8-049	Failure Restraint MK-25-9	F-C					100	VT-3	NA	NA	NA	SK#C-181
b8-050	Failure Restraint MK-25-10	F-C					100	VT-3	NA	NA	NA	SK#C-181
b8-051	Failure Restraint MK-27-1	F-C					100	VT-3	NA	NA	NA	SK#C-181
b8-052	Failure Restraint MK-27-2	F-C					100	VT-3	NA	NA	NA	SK#C-181
b8-053	Failure Restraint MK-28-1	F-C					100	VT-3	NA	NA	NA	SK#C-181
b8-054	Failure Restraint MK-30-1	F-C					100	VT-3	NA	NA	NA	SK#C-183
b8-055	Failure Restraint MK-31-1	F-C					100	VT-3	NA	NA	NA	SK#C-183
b8-056	Pressure Retaining Components	C-H	7	8	9	10	100	VT-2	NA	NA	NA	Pressure Retaining Boundary
b8-057	Pressure Retaining Components	C-H				11	100	VT-2	NA	NA	NA	Pressure Retaining Boundary
b8-058	Pressure Retaining Components	C-H	7	8	9	10	100	VT-2	NA	NA	NA	Pressure Retaining Boundary
b8-059	Pressure Retaining Components	C-H				11	100	VT-2	NA	NA	NA	Pressure Retaining Boundary



ISSUED PER I.S.I.	RJ/TJ
NO.	DATE
SCALE	REVISION
DESIGN	BY
DATE	BY
ARKANSAS POWER AND LIGHT COMPANY	
ARKANSAS NUCLEAR ONE	
UNIT 1	
MAIN STEAM A	
ZONE 28	
REF.	NO.
ISI-128	0

1177



DESIGNER DRAWN BY CHECKED BY APPROVED BY		DATE SCALE SHEET NO.
MAIN STEAM A ZONE 28		
ARKANSAS POWER AND LIGHT COMPANY ARKANSAS NUCLEAR ONE UNIT 1		
PROJECT NO. DRAWING NO.		SHEET NO.
TITLE		DATE

1000

PROGRAM PLAN AND SCHEDULE
ZONE - 29
COMPONENT DESCRIPTION
MAIN STEAM A OUTSIDE CONTAINMENT

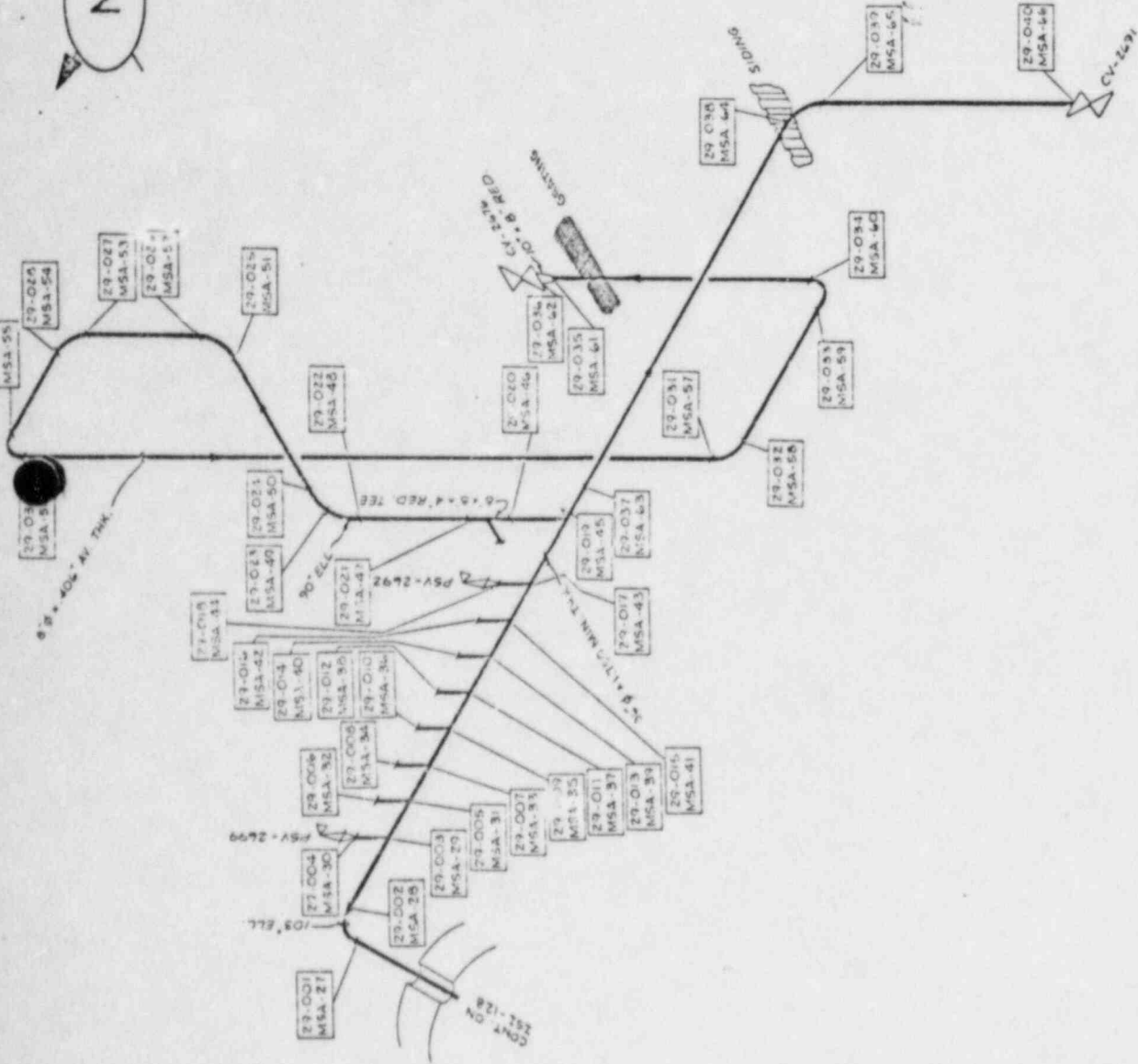
FORM ENG-011

ASO-UNIT-CSE

PIPING PRESSURE BOUNDARY

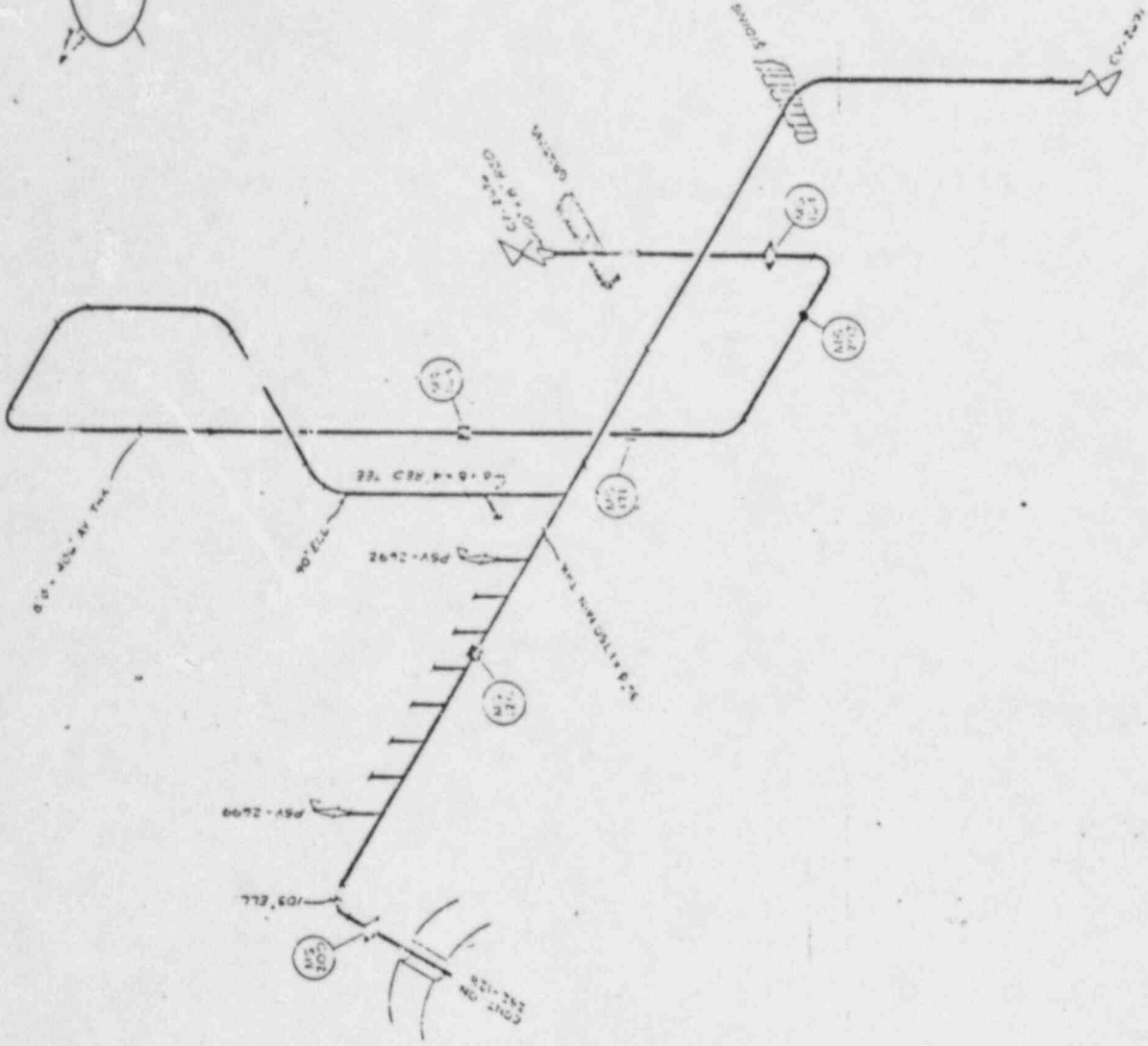
EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	FREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
B9-001	Pipe To Ell Circ Seam	CS-21.1					100	MT	NA				MSA-27
B9-001	Pipe To Ell Circ Seam	CS-21.1					100	UT	40836				MSA-27
B9-002	Ell To Pipe Circ Seam	CS-21.2					100	MT	NA				MSA-28
B9-002	Ell To Pipe Circ Seam	CS-21.2					100	UT	40836				MSA-28
B9-003	Pipe To Sweepolet	CS-31.1					100	MT	NA				MSA-29
B9-003	Pipe To Sweepolet	CS-31.1					100	UT	40836				MSA-29
B9-004	Sweepolet To Flange Circ Seam	CS-21.3					100	MT	NA				MSA-30
B9-004	Sweepolet To Flange Circ Seam	CS-21.3					100	UT	40836				MSA-30
B9-005	Pipe To Sweepolet	CS-31.2					100	MT	NA				MSA-31
B9-005	Pipe To Sweepolet	CS-31.2					100	UT	40836				MSA-31
B9-006	Sweepolet To Flange Circ Seam	CS-21.4					100	MT	NA				MSA-32
B9-006	Sweepolet To Flange Circ Seam	CS-21.4					100	UT	40836				MSA-32
B9-007	Pipe To Sweepolet	CS-31.3					100	MT	NA				MSA-33
B9-007	Pipe To Sweepolet	CS-31.3					100	UT	40836				MSA-33
B9-008	Sweepolet To Flange Circ Seam	CS-21.5					100	MT	NA				MSA-34
B9-008	Sweepolet To Flange Circ Seam	CS-21.5					100	UT	40836				MSA-34
B9-009	Pipe To Sweepolet	CS-31.4					100	MT	NA				MSA-35
B9-009	Pipe To Sweepolet	CS-31.4					100	UT	40836				MSA-35
B9-010	Sweepolet To Flange Circ Seam	CS-21.6					100	MT	NA				MSA-36
B9-010	Sweepolet To Flange Circ Seam	CS-21.6					100	UT	40836				MSA-36
B9-011	Pipe To Sweepolet	CS-31.5					100	MT	NA				MSA-37
B9-011	Pipe To Sweepolet	CS-31.5					100	UT	40836				MSA-37
B9-012	Sweepolet To Flange Circ Seam	CS-21.7					100	MT	NA				MSA-38
B9-012	Sweepolet To Flange Circ Seam	CS-21.7					100	UT	40836				MSA-38
B9-013	Pipe To Sweepolet	CS-31.6					100	MT	NA				MSA-39
B9-013	Pipe To Sweepolet	CS-31.6					100	UT	40836				MSA-39
B9-014	Sweepolet To Flange Circ Seam	CS-21.8					100	MT	NA				MSA-40
B9-014	Sweepolet To Flange Circ Seam	CS-21.8					100	UT	40836				MSA-40
B9-015	Pipe To Sweepolet	CS-31.7					100	MT	NA				MSA-41
B9-015	Pipe To Sweepolet	CS-31.7					100	UT	40836				MSA-41
B9-016	Sweepolet To Flange Circ Seam	CS-21.9					100	MT	NA				MSA-42
B9-016	Sweepolet To Flange Circ Seam	CS-21.9					100	UT	40836				MSA-42
B9-017	Pipe To Sweepolet	CS-31.8					100	MT	NA				MSA-43
B9-017	Pipe To Sweepolet	CS-31.8					100	UT	40836				MSA-43
B9-018	Sweepolet To Flange Circ Seam	CS-21.10					100	MT	NA				MSA-44
B9-018	Sweepolet To Flange Circ Seam	CS-21.10					100	UT	40836				MSA-44
B9-019	Sweepolet To Tee Pipe Cir Seam	CS-11.1					100	MT	NA				MSA-45
B9-019	Sweepolet To Tee Pipe Cir Seam	CS-11.1					100	UT	NA				MSA-45
B9-020	Pipe To Tee Circ Seam	CS-11.2					100	MT	NA				MSA-46
B9-020	Pipe To Tee Circ Seam	CS-11.2					100	UT	NA				MSA-46
B9-021	Tree To Pipe Circ Seam	CS-11.3					100	MT	NA				MSA-47
B9-021	Tree To Pipe Circ Seam	CS-11.3					100	UT	NA				MSA-47
B9-022	Pipe To Ell Circ Seam	CS-11.4					100	MT	NA				MSA-48
B9-022	Pipe To Ell Circ Seam	CS-11.4					100	UT	NA				MSA-48
B9-023	Ell To Ell Circ Seam	CS-11.5					100	MT	NA				MSA-49
B9-023	Ell To Ell Circ Seam	CS-11.5					100	UT	NA				MSA-49

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				SCH %	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS	
			1	2	3	4				S	I		WP
29-024	Ell To Pipe Circ Seam	CS.11.6					100	MT	NA			MSA-50	
29-025	Pipe To Ell Circ Seam	CS.11.7					100	MT	NA			MSA-51	
29-026	Ell To Pipe Circ Seam	CS.11.8					100	MT	NA			MSA-52	
29-027	Pipe To Ell Circ Seam	CS.11.9					100	MT	NA			MSA-53	
29-028	Ell To Pipe Circ Seam	CS.11.10					100	MT	NA			MSA-54	
29-029	Pipe To Ell Circ Seam	CS.11.11					100	MT	NA	X	X	MSA-55	
29-030	Ell To Pipe Circ Seam	CS.11.12					100	MT	NA			MSA-56	
29-031	Pipe To Ell Circ Seam	CS.11.13					100	MT	NA			MSA-57	
29-032	Ell To Pipe Circ Seam	CS.11.14					100	MT	NA			MSA-58	
29-033	Pipe To Ell Circ Seam	CS.11.15					100	MT	NA			MSA-59	
29-034	Ell To Pipe Circ Seam	CS.11.16					100	MT	NA			MSA-60	
29-035	Pipe To Ell Circ Seam	CS.11.17					100	MT	NA			MSA-61	
29-036	Red To Valve Circ Seam	CS.11.18					100	MT	NA			MSA-62	
29-037	Pipe To Pipe Circ Seam	CS.11.19					100	UT	40836			MSA-63	
29-038	Pipe To Pipe Circ Seam	CS.11.20					100	MT	NA			MSA-64	
29-039	Ell To Pipe Circ Seam	CS.11.21					100	UT	40836			MSA-65	
29-040	Pipe To Valve Circ Seam	CS.11.22					100	MT	NA			MSA-66	
29-041	36" Valve CV-2691 Bolts	CS.20.1					100	UT	40836			MSA-66	
29-042	Rigid Hanger MS-126	CS.20.2					100	PT MT	NA	X	X	All Bolts	
29-043	Rigid Hanger MS-171	CS.20.3					100	PT MT	NA	X	X	SK#4-307	
29-044	Rigid Hanger MS-163	CS.20.4					100	PT MT	NA	X	X	SK#4-306	
29-045	Restraint MS-164	CS.20.5					100	VT-3	NA	X	X	SK#4-310	
29-046	Restraint MS-200	F3.40.1					100	VT-3	NA	NA	NA	SK#5-151	
29-047	Rigid Hanger MS-126	F3.40.2					100	VT-3	NA	NA	NA	SK#4-307	
29-048	Guide MS-171	F3.40.3					100	VT-3	NA	X	X	SK#4-306	
29-049	Rigid Hanger MS-163	F3.40.4					100	VT-3	NA	NA	NA	SK#5-151	
29-050	Spring Hanger MS-202	F3.50.1					100	VT-3	NA	NA	NA	SK#4-310	
29-051	Restraint MS-164	F3.40.5					100	VT-3	NA	X	X	SK#4-306	
29-052	Pressure Retaining Components	C7.30.1	CH	7	8	9	10	100	VT-2	NA	NA	NA	Pressure Retaining Boundary



NO	DATE	REVISION	BY	CHKD
0	10/18/66	ISSUED PER I.S.I.	K.J.I.	A.
1				
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ARKANSAS POWER AND LIGHT COMPANY
 ARKANSAS NUCLEAR ONE
 UNIT 1
MAIN STEAM A
ZONE 29
 DRAWING NO. **ISI-129**
 REV. **0**



APPROVALS		
DATE	BY	FOR
MAIN STEAM A ZONE 23 LAYOUT 1		
APPLICANT: PLANT AND LIGHT COMPANY APPROVED: NUCLEAR CORP.		
ISI - 129H ()		

POWER PLANT

TINS DRAWING

PROGRAM PLAN AND SCHEDULE

ZONE- 30

COMPONENT DESCRIPTION

MAIN STEAM B INSIDE CONTAINMENT

FORM ENG-011

ANO-UNIT-ONE

PIPING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4				S	I	
30-001	Stm Gen B Noz To Ell Circ Seam	C5.21.1	CF				100	MT	NA			MSB-1
30-001	Stm Gen B Noz To Ell Circ Seam	C5.21.1	CF				100	UT	40836			MSB-1
30-002	Ell To Pipe Circ Seam	C5.21.2	CF				100	MT	NA			MSB-2
30-002	Ell To Pipe Circ Seam	C5.21.2	CF				100	UT	40836			MSB-2
30-003	Pipe To Red Ell Circ Seam	C5.21.3	CF				100	MT	NA			MSB-3
30-003	Pipe To Red Ell Circ Seam	C5.21.3	CF				100	UT	40836			MSB-3
30-004	Pipe To Red Ell Circ Seam	C5.21.4	CF				100	MT	NA			MSB-4
30-004	Pipe To Red Ell Circ Seam	C5.21.4	CF				100	UT	40836			MSB-4
30-005	Red Ell To Pipe Circ Seam	C5.21.5	CF				100	MT	NA			MSB-5
30-005	Red Ell To Pipe Circ Seam	C5.21.5	CF				100	UT	40836			MSB-5
30-006	Pipe To Ell Circ Seam	C5.21.6	CF				100	MT	NA			MSB-6
30-006	Pipe To Ell Circ Seam	C5.21.6	CF				100	UT	40836			MSB-6
30-007	Ell To Pipe Circ Seam	C5.21.7	CF				100	MT	NA			MSB-7
30-007	Ell To Pipe Circ Seam	C5.21.7	CF				100	UT	40836			MSB-7
30-008	Pipe To Ell Circ Seam	C5.21.8	CF				100	MT	NA			MSB-8
30-008	Pipe To Ell Circ Seam	C5.21.8	CF				100	UT	40836			MSB-8
30-009	Ell To Tee Circ Seam	C5.21.9	CF				100	MT	NA			MSB-9
30-009	Ell To Tee Circ Seam	C5.21.9	CF				100	UT	40836			MSB-9
30-010	Pipe To Ell Circ Seam	C5.21.10	CF				100	MT	NA			MSB-10
30-010	Pipe To Ell Circ Seam	C5.21.10	CF				100	UT	40836			MSB-10
30-011	Ell To Tee Circ Seam	C5.21.11	CF				100	MT	NA			MSB-11
30-011	Ell To Tee Circ Seam	C5.21.11	CF				100	UT	40836			MSB-11
30-012	Stm Gen B Noz To Ell Circ Seam	C5.21.12	CF				100	MT	NA			MSB-12
30-012	Stm Gen B Noz To Ell Circ Seam	C5.21.12	CF				100	UT	40836			MSB-12
30-013	Ell To Pipe Circ Seam	C5.21.13	CF				100	MT	NA			MSB-13
30-013	Ell To Pipe Circ Seam	C5.21.13	CF				100	UT	40836			MSB-13
30-014	Pipe To Red Ell Circ Seam	C5.21.14	CF				100	MT	NA			MSB-14
30-014	Pipe To Red Ell Circ Seam	C5.21.14	CF				100	UT	40836			MSB-14
30-015	Red Ell To Pipe Circ Seam	C5.21.15	CF				100	MT	NA			MSB-15
30-015	Red Ell To Pipe Circ Seam	C5.21.15	CF				100	UT	40836			MSB-15
30-016	Pipe To Ell Circ Seam	C5.21.16	CF				100	MT	NA			MSB-16
30-016	Pipe To Ell Circ Seam	C5.21.16	CF				100	UT	40836			MSB-16
30-017	Ell To Pipe Circ Seam	C5.21.17	CF				100	MT	NA			MSB-17
30-017	Ell To Pipe Circ Seam	C5.21.17	CF				100	UT	40836			MSB-17

PROGRAM PLAN AND SCHEDULE
ZONE-20
COMPONENT DESCRIPTION
MAIN STEAM B INSIDE CONTAINMENT

FORM ENG-011
ANO-UNIT-ONE
PIPING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WT	
30-017	Pipe To Ell Circ Seam	C5.21.17	CF				100	UT	40836				MSB-17
30-018	Ell To Pipe Circ Seam	C5.21.18	CF				100	MT	NA				MSB-18
30-018	Ell To Pipe Circ Seam	C5.21.18	CF				100	UT	40836				MSB-18
30-019	Pipe To Red Circ Seam	C5.21.19	CF				100	MT	NA				MSB-19
30-019	Pipe To Red Circ Seam	C5.21.19	CF				100	UT	40836				MSB-19
30-020	Red To Tee Circ Seam	C5.21.20	CF				100	MT	NA				MSB-20
30-020	Red To Tee Circ Seam	C5.21.20	CF				100	UT	40836				MSB-20
30-021	Tee To Pipe Circ Seam	C5.21.21	CF				100	MT	NA				MSB-21
30-021	Tee To Pipe Circ Seam	C5.21.21	CF				100	UT	40836				MSB-21
30-022	Pipe To Ell Circ Seam	C5.21.22	CF				100	MT	NA				MSB-22
30-022	Pipe To Ell Circ Seam	C5.21.22	CF				100	UT	40836				MSB-22
30-023	Ell To Pipe Circ Seam	C5.21.23	CF				100	MT	NA				MSB-23
30-023	Ell To Pipe Circ Seam	C5.21.23	CF				100	UT	40836				MSB-23
30-024	Pipe To Pipe Circ Seam	C5.21.24	CF				100	MT	NA				MSB-23A
30-024	Pipe To Pipe Circ Seam	C5.21.24	CF				100	UT	40836				MSB-23A
30-025	Pipe To Ell Circ Seam	C5.21.25	CF				100	MT	NA				MSB-24
30-025	Pipe To Ell Circ Seam	C5.21.25	CF				100	UT	40836				MSB-24
30-026	Ell To Pipe Circ Seam	C5.21.26	CF				100	MT	NA				MSB-25
30-026	Ell To Pipe Circ Seam	C5.21.26	CF				100	UT	40836				MSB-25
30-027	Pipe To Ell Circ Seam	C5.21.27	CF				100	MT	NA				MSB-26
30-027	Pipe To Ell Circ Seam	C5.21.27	CF				100	UT	40836				MSB-26
30-028	Ell To Pene. Circ Seam	C5.21.28	CF				100	MT	NA				MSB-27
30-028	Ell To Pene. Circ Seam	C5.21.28	CF				100	UT	40836				MSB-27
30-029	Rigid Hanger MS-141	C3.20.1	CC	7			100	PT MT	NA		X	X	SK#4-327
30-030	Hydraulic Snubber HS-3	C3.20.2	CC	7			100	PT MT	NA		X	X	SK#4-325
30-031	Spring Hanger MS-139	C3.20.3	CC				100	PT MT	NA		X	X	SK#4-326
30-032	Rigid Hanger MS-141	F3.40.1	F-C	7			100	VT-3	NA		NA	NA	SK#4-327
30-033	Restraint MS-138	F3.40.2	F-C				100	VT-3	NA		NA	NA	SK#4-325
30-034	Hydraulic Snubber HS-3	F3.50.1	F-C	7			100	VT-4	NA		NA	NA	SK#4-328
30-035	Spring Hanger MS-142	F3.50.2	F-C				100	VT-4	NA		NA	NA	SK#4-328
30-036	Spring Hanger MS-139	F3.50.3	F-C				100	VT-4	NA		NA	NA	SK#4-326
30-037	Hydraulic Snubber HS-4	F3.50.4	F-C				100	VT-4	NA		NA	NA	SK#4-334 (Test)
30-038	Spring Hanger MS-143	F3.50.5	F-C				100	VT-4	NA		NA	NA	SK#4-329

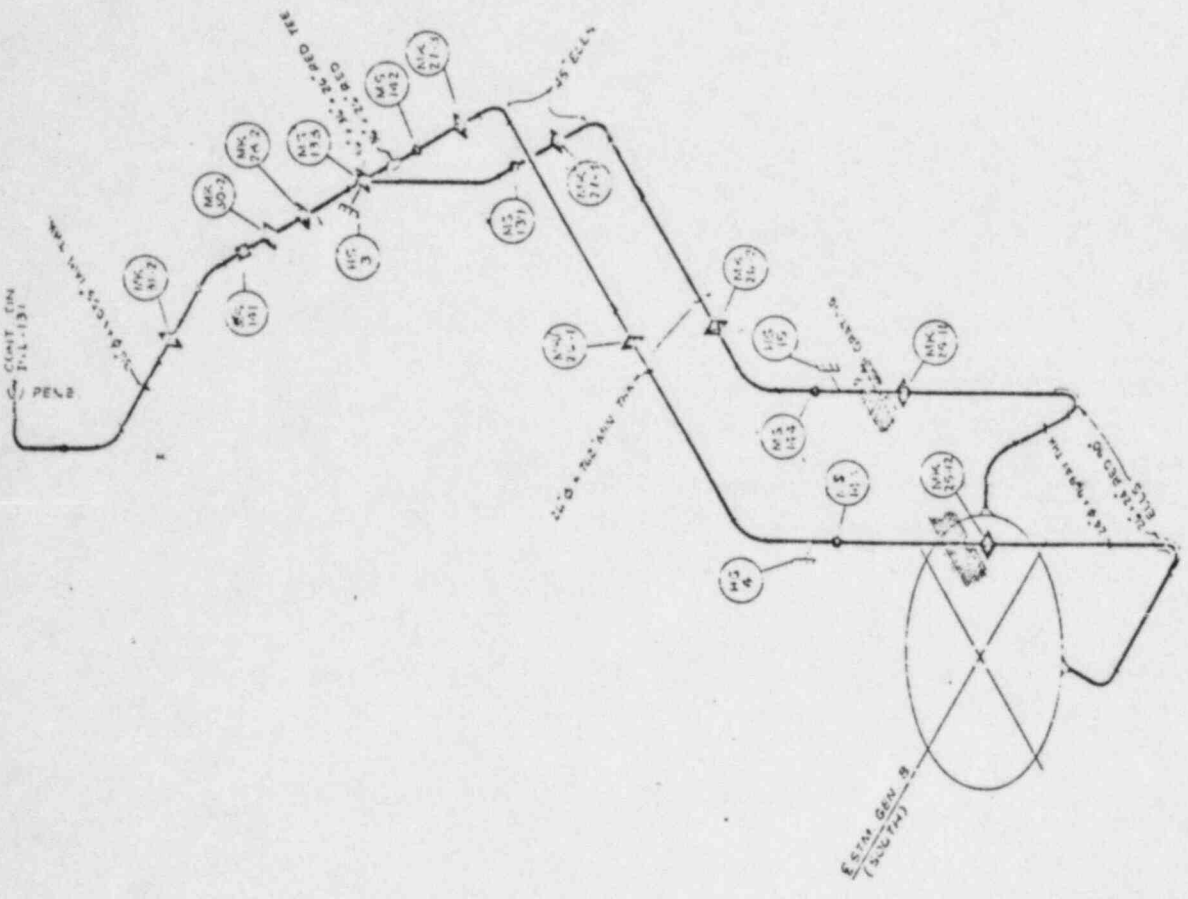
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1	DATE	1998	NO.	1	REV.	1
2	DATE	1997	NO.	1	REV.	1
3	DATE	1996	NO.	1	REV.	1
4	DATE	1995	NO.	1	REV.	1
5	DATE	1994	NO.	1	REV.	1
6	DATE	1993	NO.	1	REV.	1
7	DATE	1992	NO.	1	REV.	1
8	DATE	1991	NO.	1	REV.	1
9	DATE	1990	NO.	1	REV.	1
10	DATE	1989	NO.	1	REV.	1

ARIZONA POWER AND LIGHT COMPANY
 ARIZONA N. CLEAR ONE
 UNIT 1

MAIN STEAM B
 ZONE 30

151-130H O



FORM ENG-011
ANO-UNIT-ONE
PROGRAM PLAN AND SCHEDULE
ZONE - 31
COMPONENT DESCRIPTION
MAIN STEAM B OUTSIDE CONTAINMENT

PIPING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
B1-001	Pipe To Ell Circ Seam	C5.21.1					100	MT	NA				MSB-28
B1-001	Pipe To Ell Circ Seam	C5.21.1					100	UT	40836				MSB-28
B1-002	Ell To Pipe Circ Seam	C5.21.2					100	MT	NA				MSB-29
B1-002	Ell To Pipe Circ Seam	C5.21.2					100	UT	40836				MSB-29
B1-002	Ell To Pipe Circ Seam	C5.21.2					100	MT	NA				MSB-30
B1-002	Ell To Pipe Circ Seam	C5.21.2					100	UT	40836				MSB-30
B1-003	Pipe To Sweepolet	C5.31.1					100	MT	NA				MSB-31
B1-003	Pipe To Sweepolet	C5.31.1					100	MT	NA				MSB-32
B1-004	Sweepolet To Ell Circ Seam	C5.11.2					100	MT	NA				MSB-33
B1-005	Ell To Pipe Circ Seam	C5.11.3					100	MT	NA				MSB-34
B1-006	Pipe To Tee Circ Seam	C5.11.4					100	MT	NA				MSB-35
B1-007	Tee To Cap Circ Seam	C5.11.5					100	MT	NA				MSB-36
B1-008	Pipe To Pipe Circ Seam	C5.11.6					100	MT	NA				MSB-37
B1-009	Pipe To Ell Circ Seam	C5.11.7					100	MT	NA				MSB-38
B1-010	Ell To Pipe Circ Seam	C5.11.8					100	MT	NA				MSB-39
B1-011	Pipe To Ell Circ Seam	C5.11.9					100	MT	NA				MSB-40
B1-012	Ell To Pipe Circ Seam	C5.11.10					100	MT	NA				MSB-41
B1-013	Pipe To Ell Circ Seam	C5.11.11					100	MT	NA				MSB-42
B1-014	Ell To Ell Circ Seam	C5.11.12					100	MT	NA				MSB-43
B1-015	Ell To Pipe Circ Seam	C5.11.13					100	MT	NA		X	X	MSB-44
B1-016	Pipe To Ell Circ Seam	C5.11.14					100	MT	NA				MSB-45
B1-017	Ell To Ell Circ Seam	C5.11.15					100	MT	NA				MSB-46
B1-018	Ell To Pipe Circ Seam	C5.11.16					100	MT	NA				MSB-47
B1-019	Pipe To Red Circ Seam	C5.11.17					100	MT	NA				MSB-48
B1-020	Red To Valve Circ Seam	C5.11.17					100	MT	NA				MSB-49
B1-021	Pipe To Sweepolet	C5.31.1					100	MT	NA				MSB-50
B1-022	Sweepolet To Flange Circ Seam	C5.21.3		9			100	UT	40836				MSB-51
B1-022	Sweepolet To Flange Circ Seam	C5.21.3		9			100	MT	NA				MSB-52
B1-022	Sweepolet To Flange Circ Seam	C5.21.3					100	UT	40836				MSB-53
B1-023	Pipe To Sweepolet	C5.31.2					100	MT	NA				MSB-54
B1-024	Sweepolet To Flange Circ Seam	C5.21.4					100	UT	40836				MSB-55
B1-024	Sweepolet To Flange Circ Seam	C5.21.4					100	MT	NA				MSB-56
B1-025	Pipe To Sweepolet	C5.31.3					100	MT	NA				MSB-57
B1-026	Sweepolet To Flange Circ Seam	C5.21.5					100	UT	40836				MSB-58
B1-026	Sweepolet To Flange Circ Seam	C5.21.5					100	MT	NA				MSB-59
B1-027	Pipe To Sweepolet	C5.31.4					100	MT	NA				MSB-60
B1-028	Sweepolet To Flange Circ Seam	C5.21.6					100	MT	NA				MSB-61

PROGRAM PLAN AND SCHEDULE

ZONE - 31

COMPONENT DESCRIPTION

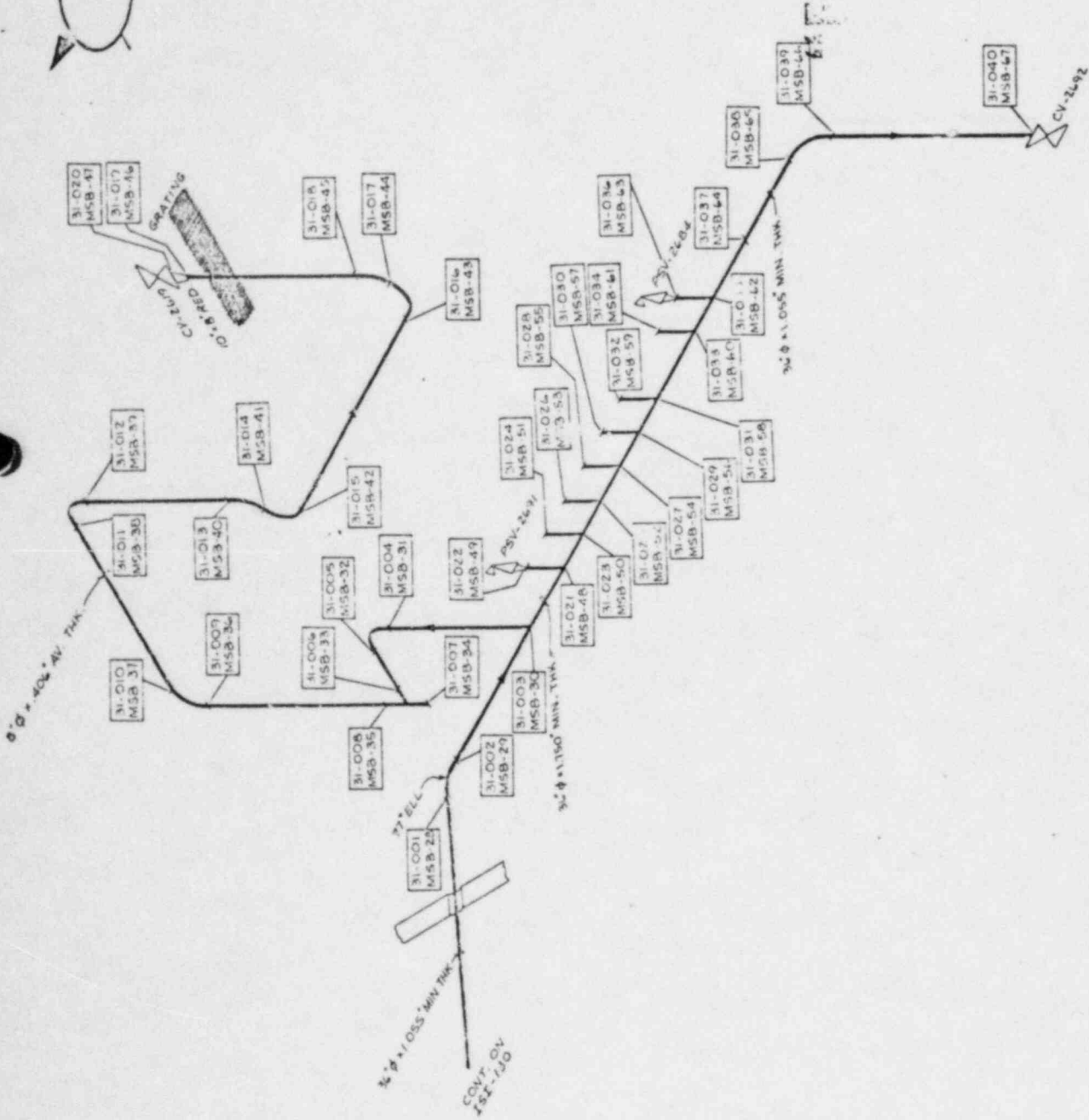
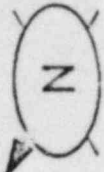
MAIN STEAM B OUTSIDE CONTAINMENT

FORM ENG-011

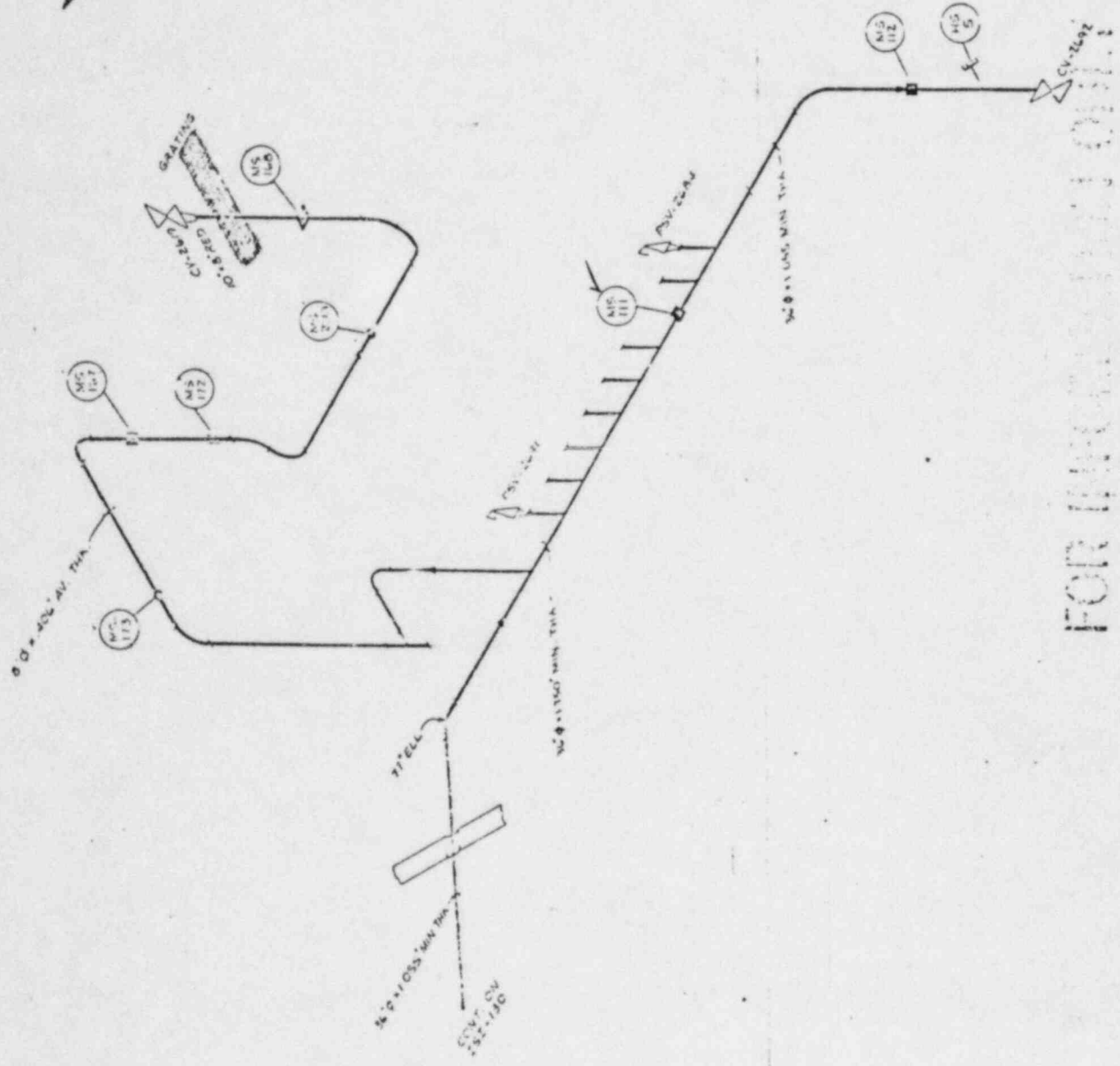
ANO-UNIT-ONE

PIPING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
1-028	Sweepolet To Flange Circ Seam	5.21.6					100	UT	40836				MSB-55
1-029	Pipe To Sweepolet	5.31.5					100	MT	NA				MSB-56
1-030	Sweepolet To Flange Circ Seam	5.21.7					100	UT	40836				MSB-57
1-031	Pipe To Sweepolet	5.31.6					100	MT	NA				MSB-58
1-032	Sweepolet To Flange Circ Seam	5.21.8					100	UT	40836				MSB-59
1-033	Pipe To Sweepolet	5.31.7					100	MT	NA				MSB-60
1-034	Sweepolet To Flange Circ Seam	5.21.9					100	UT	40836				MSB-61
1-035	Pipe To Sweepolet	5.31.6					100	MT	NA				MSB-62
1-036	Sweepolet To Flange Circ Seam	5.21.10					100	UT	40836				MSB-63
1-037	Pipe To Pipe Circ Seam	5.21.11					100	MT	NA				MSB-64
1-038	Pipe To Ell Circ Seam	5.21.12					100	UT	40836				MSB-65
1-039	Ell To Pipe Circ Seam	5.21.13					100	MT	NA				MSB-66
1-040	Pipe To Valve Circ Seam	5.21.14					100	UT	40836				MSB-67
1-041	Valve To Spring Hanger MS-173	3.20.1					100	PT MT	NA		X	X	SK#4-317
1-042	Spring Hanger MS-173	3.20.2					100	PT MT	NA		X	X	SK#4-321
1-043	Restraint MS-168	3.20.3					100	PT MT	NA		X	X	SK#5-152
1-044	Rigid Hanger MS-111	3.20.4					100	PT MT	NA		X	X	SK#5-138
1-045	Rigid Hanger MS-112	3.50.1					100	VT-4	NA		NA	NA	SK#4-317
1-046	Spring Hanger MS-173	3.40.1					100	VT-3	NA		NA	NA	SK#4-319
1-047	Guide MS-172	3.50.2					100	VT-4	NA		NA	NA	SK#4-332
1-048	Spring Hanger MS-203	3.40.2					100	VT-3	NA		NA	NA	SK#5-152
1-049	Restraint MS-168	3.40.3					100	VT-3	NA		NA	NA	SK#5-138
1-050	Rigid Hanger MS-111	3.40.4					100	VT-4	NA		NA	NA	SK#5-157
1-051	Rigid Hanger MS-112	3.50.3					100	VT-4	NA		NA	NA	Pressure Retaining Boundary
1-052	Hydraulic Stubber MS-5	67.30.1					100	VT-2	NA		NA	NA	Pressure Retaining Boundary
1-053	Pressure Retaining Components	67.30.1					100	VT-2	NA		NA	NA	Pressure Retaining Boundary



NO.	ISSUED PER I.S.I.	RJ	BY	DATE
SCALE	DESIGN	BY	DATE	
ARKANSAS POWER AND LIGHT COMPANY				
ARKANSAS NUCLEAR ONE				
UNIT 1				
MAIN STEAM B				
ZONE 31				
REV.	DATE	NO.	BY	DESCRIPTION
0				
ISI-131				
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NO.	DESCRIPTION	DATE	BY

ARKANSAS POWER AND LIGHT COMPANY
UNIT 1

MAIN STEAM B
ZONTE 31

REV. 1
ISI-131H O

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REVISED 12/01/83

P/CE-1 of 3
CLASS - 2

PROGRAM PLAN AND SCHEDULE

ZONE - 32

COMPONENT DESCRIPTION
MAKEUP PUMP SUCTION

FORM ENG-011

ANO-UNIT-ONE

PIPING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
32-001	Valve To Ell Circ Seam	C5.11.1					100	PT	NA				MU-2
32-002	Ell To Tee Circ Seam	C5.11.2					100	PT	NA				MU-1
32-003	Tee To Reducer Circ Seam	C5.11.3	7				100	PT	NA	X	X	X	MU-3
32-004	Tee To Tee Circ Seam	C5.11.4					100	PT	NA				MU-4
32-005	Tee To Pipe Circ Seam	C5.11.5					100	PT	NA				MU-5 And 1" Of LS 005A & B
32-005AB	Tee Long Seams	C5.12.1					100	PT	NA				MU-5L
32-006	Pipe To Valve Circ Seam	C5.11.6					100	PT	NA				MU-6 and 1" Of LS 005A & B
32-007	Valve To Reducer Circ Seam	C5.11.7					100	PT	NA				MU-7
32-008	Tee To Pipe Circ Seam	C5.11.8					100	PT	NA				MU-8
32-009	Pipe To Valve Circ Seam	C5.11.9					100	PT	NA				MU-9
32-010	Valve To Pipe Circ Seam	C5.11.10					100	PT	NA				MU-10
32-011	Pipe To Valve Circ Seam	C5.11.11					100	PT	NA				MU-11
32-012	Valve To Pipe Circ Seam	C5.11.12	8				100	PT	NA	X	X	X	MU-12
32-013	Pipe To Ell Circ Seam	C5.11.13					100	PT	NA				MU-13 And 1" Of LS 013A & B
32-013AB	Ell Long Seams	C5.12.2					100	PT	NA				MU-13L
32-014	Ell To Pipe Circ Seam	C5.11.14					100	PT	NA				MU-14 And 1" Of LS 013A & B
32-015	Pipe To Ell Circ Seam	C5.11.15					100	PT	NA				MU-15 And 1" Of LS 015A & B
32-015AB	Ell Long Seams	C5.12.3					100	PT	NA				MU-15L
32-016	Ell To Pipe Circ Seam	C5.11.16					100	PT	NA				MU-16 And 1" Of LS 015A & B
32-017	Pipe To Ell Circ Seam	C5.11.17					100	PT	NA				MU-17
32-018	Ell To Pipe Circ Seam	C5.11.18					100	PT	NA				MU-18
32-019	Pipe To Tee Circ Seam	C5.11.19					100	PT	NA				MU-19
32-020	Tee To Reducer Circ Seam	C5.11.20					100	PT	NA				MU-20 And 1" Of LS 020A & B
32-020AB	Tee Long Seams	C5.12.4					100	PT	NA				MU-20L
32-021	Tee To Pipe Circ Seam	C5.11.21					100	PT	NA				MU-21 And 1" Of LS 020A & B
32-022	Pipe To Ell Circ Seam	C5.11.22					100	PT	NA				MU-22
32-023	Ell To Tee Circ Seam	C5.11.23					100	PT	NA				MU-23
32-024	Tee To Pipe Circ Seam	C5.11.24					100	PT	NA				MU-24
32-025	Pipe To Valve Circ Seam	C5.11.25					100	PT	NA				MU-25
32-026	Valve To Red Ell Circ Seam	C5.11.26					100	PT	NA				MU-26
32-027	Tee To Valve Circ Seam	C5.11.27	9				100	PT	NA	X	X	X	MU-27
32-028	Valve To Pipe Circ Seam	C5.11.28					100	PT	NA				MU-28

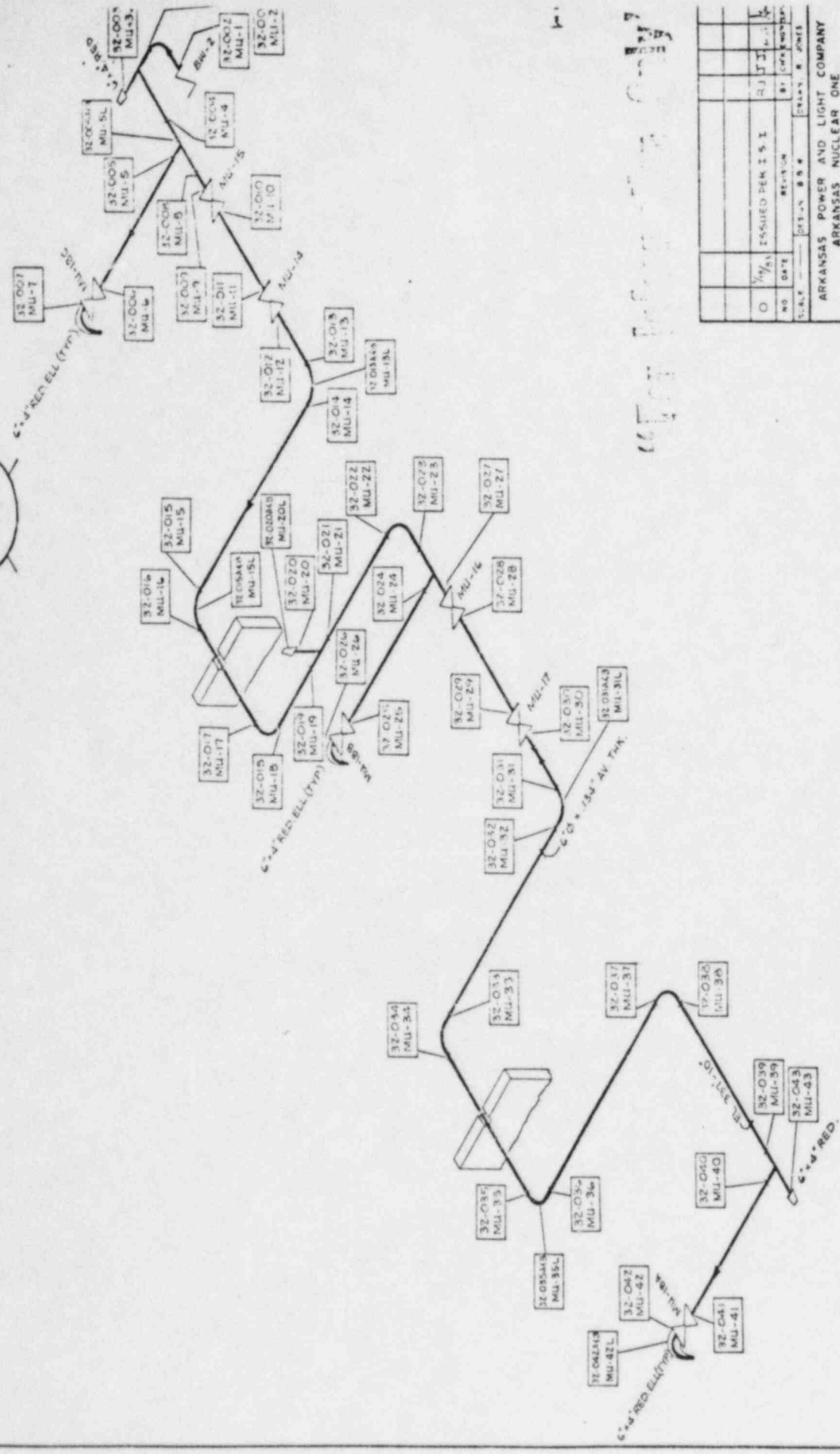
PROGRAM PLAN AND SCHEDULE

FORM ENG-011

ZONE - 32
COMPONENT DESCRIPTION
MAKEUP PUMP SUCTION

ANO-UNIT-ONE
PIPING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4				S	I	
B2-029	Pipe To Valve Circ Seam	45.11.29					100	PT	NA			MU-29
B2-030	Valve To Pipe Circ Seam	45.11.30					100	PT	NA			MU-30
B2-031	Pipe To Ell Circ Seam	45.11.31					100	PT	NA			MU-31 And 1" Of LS 031A & B
B2-031AB	All Long Seams	45.12.6					100	PT	NA			MU-31L
B2-032	Ell To Pipe Circ Seam	45.11.32					100	PT	NA			MU-32 And 1" Of LS 031A & B
B2-033	Pipe To Ell Circ Seam	45.11.33					100	PT	NA			MU-33
B2-034	Ell To Pipe Circ Seam	45.11.34					100	PT	NA			MU-34
B2-035	Pipe To Ell Circ Seam	45.11.35					100	PT	NA			MU-35 And 1" Of LS 035A & B
B2-035AB	All Long Seams	45.12.7					100	PT	NA			MU-35L
B2-036	Ell To Pipe Circ Seam	45.11.36					100	PT	NA			MU-36 And 1" Of LS 035A & B
B2-037	Pipe To Ell Circ Seam	45.11.37					100	PT	NA			MU-37
B2-038	Ell To Pipe Circ Seam	45.11.38					100	PT	NA			MU-38
B2-039	Pipe To Ell Circ Seam	45.11.39					100	PT	NA			MU-39
B2-040	Tee To Pipe Circ Seam	45.11.40					100	PT	NA			MU-40
B2-041	Pipe To Valve Circ Seam	45.11.41					100	PT	NA			MU-41
B2-042	Valve To Reducer Circ Seam	45.11.42					100	PT	NA			MU-42 And 1" Of LS 042A & B
B2-042AB	Reducer Long Seams	45.12.8					100	PT	NA			MU-42L
B2-043	Tee To Reducer Circ Seam	45.11.43					100	PT	NA			MU-43 And 1" Of LS 042A & B
B2-044	Spring Hanger DH-89	43.20.1					100	PT	NA			SK#9-207
B2-045	Rigid Hanger DH-212	43.20.2					100	PT	NA			SK#9-216
B2-046	Rigid Hanger DH-201	43.20.3					100	PT	NA			SK#9-200
B2-047	Spring Hanger DH-202	43.20.4					100	PT	NA			SK#9-201
B2-048	Rigid Hanger DH-213	43.20.5					100	PT	NA			SK#9-217
B2-049	Rigid Hanger DH-205	43.20.6					100	PT	NA			SK#9-205
B2-050	Spring Hanger DH-206	43.20.7					100	PT	NA			SK#9-206
B2-051	Spring Hanger DH-89	43.50.1					100	VT-4	NA			SK#9-207
B2-052	Rigid Hanger DH-212	43.40.1					100	VT-4	NA			SK#9-216
B2-053	Guide DH-209	43.40.2					100	VT-3	NA			SK#9-224
B2-054	Rigid Hanger DH-201	43.40.3					100	VT-3	NA			SK#9-200
B2-055	Spring Hanger DH-202	43.50.2					100	VT-4	NA			SK#9-201
B2-056	Rigid Hanger DH-213	43.40.4					100	VT-3	NA			SK#9-217
B2-057	Rigid Hanger DH-205	43.40.5					100	VT-3	NA			SK#9-205
B2-058	Restraint DH-210	43.40.6					100	VT-3	NA			SK#9-214



NO.	DATE	ISSUED PER	BY	REVISION	BY	DATE
0	7/18	ISSUED PER ISI	RJ	1		

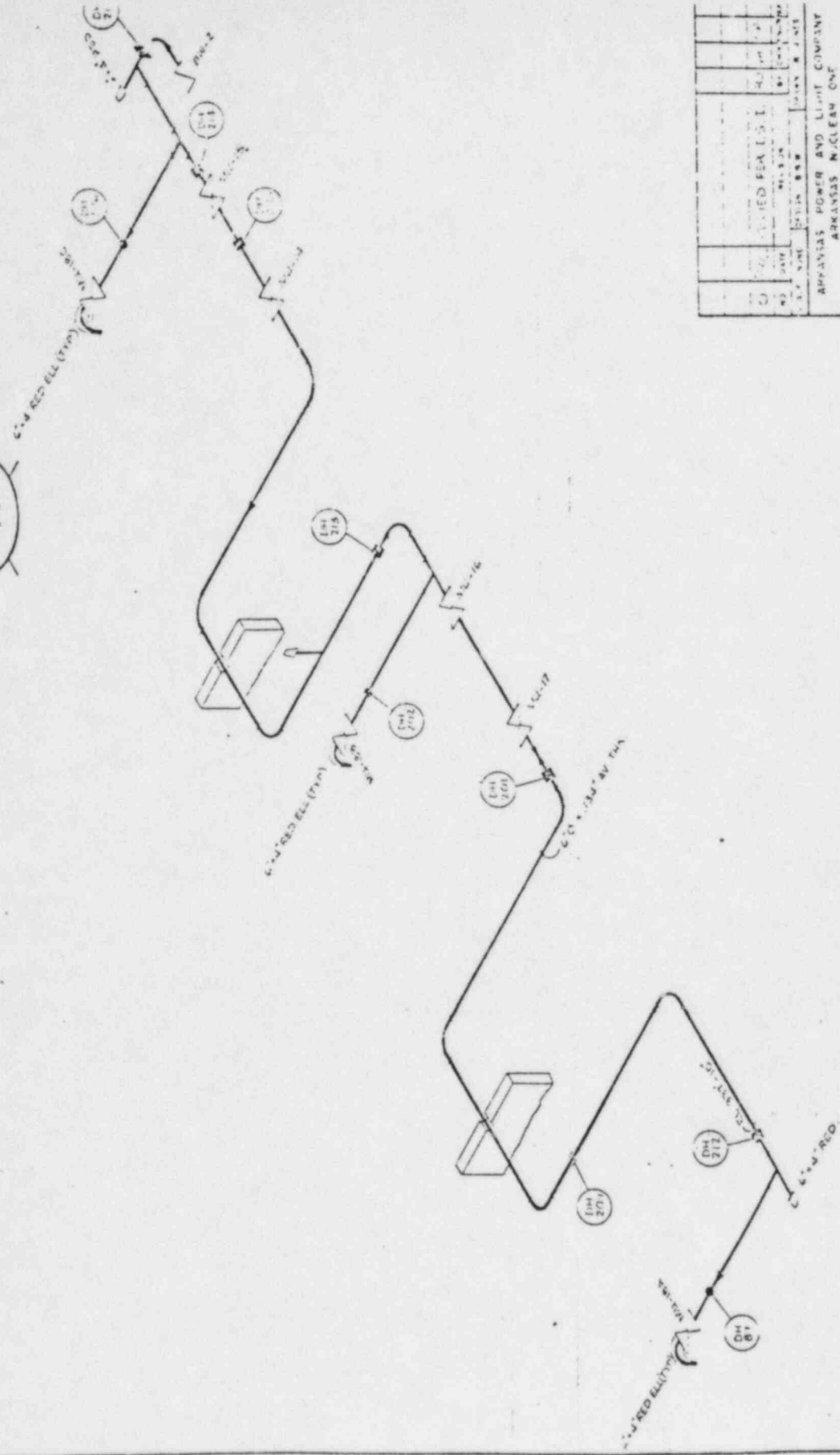
S.A.E. _____ DESIGNER: _____
ARIZONA B.N.W. _____ DRAWN BY: JONES

ARKANSAS POWER AND LIGHT COMPANY
ARKANSAS NUCLEAR ONE
UNIT 1

MAKEUP PUMP SUCTION
ZONE 32

DATE: _____ REV: _____

ISI - 132



NO.	DATE	BY	REVISION

OBTAINED FROM THE
 APPLIANCE POWER AND LIGHT COMPANY
 ARKANSAS NUCLEAR ONE
 UNIT 1

MAKEUP PUMP SUCTION
ZONE 32
 DRAWING NO.
ISI - 132H ()

FOR INFO ONLY

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PROGRAM PLAN AND SCHEDULE

FORM ENG-011

ANO-UNIT-ONE

PIPING PRESSURE BOUNDARY

ZONE- 33

COMPONENT DESCRIPTION

DH REMOVAL TO PUMPS

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4				S	I	
33-001	Valve To Pipe Circ Seam	CS.11.1	CF				100	PT	NA	X	X	DHR-1
33-002	Pipe To Ell Circ Seam	CS.11.2	CF				100	PT	NA			DHR-2
33-003	Ell To Pipe Circ Seam	CS.11.3	CF				100	PT	NA			DHR-3
33-004	Pipe To Ell Circ Seam	CS.11.4	CF				100	PT	NA	X	X	DHR-4
33-005	Ell To Ell Circ Seam	CS.11.5	CF	18			100	PT	NA			DHR-5
33-006	Ell To Pipe Circ Seam	CS.11.6	CF				100	PT	NA			DHR-6
33-007	Pipe To Ell Circ Seam	CS.11.7	CF				100	PT	NA			DHR-7L
33-007AR	Ell Long Seams	CS.12.1	CF				100	PT	NA			DHR-8
33-008	Ell To Pipe Circ Seam	CS.11.8	CF				100	PT	NA			DHR-9
33-009	Pipe To Ell Circ Seam	CS.11.9	CF				100	PT	NA			DHR-10
33-010	Ell To Pipe Circ Seam	CS.11.10	CF				100	PT	NA			DHR-11 And 1" Of LS 011A & B
33-011	Pipe To Ell Circ Seam	CS.11.11	CF				100	PT	NA			DHR-11L
33-011AR	Ell Long Seams	CS.12.2	CF				100	PT	NA			DHR-12 And 1" Of LS 011A & B
33-012	Ell To Pipe Circ Seam	CS.11.12	CF				100	PT	NA			DHR-13
33-013	Pipe To Ell Circ Seam	CS.11.13	CF				100	PT	NA			DHR-14
33-014	Ell To Pipe Circ Seam	CS.11.14	CF				100	PT	NA			DHR-15
33-015	Pipe To Pene. Circ Seam	CS.11.15	CF				100	PT	NA			DHR-16
33-016	Pipe To Valve Circ Seam	CS.11.16	CF				100	PT	NA			DHR-17
33-017	Valve To Pipe Circ Seam	CS.11.17	CF				100	PT	NA			DHR-18
33-018	Pipe To Ell Circ Seam	CS.11.18	CF				100	PT	NA			DHR-19
33-019	Ell To Pipe Circ Seam	CS.11.19	CF				100	PT	NA			DHR-20 And 1" Of LS 020A & B
33-020	Pipe To Tee Circ Seam	CS.11.20	CF				100	PT	NA	X	X	DHR-20L
33-020AR	Tee Long Seams	CS.12.3	CF				100	PT	NA			DHR-21 And 1" Of LS 020A & B
33-021	Tee To Pipe Circ Seam	CS.11.21	CF	19			100	PT	NA			DHR-22
33-022	Pipe To Ell Circ Seam	CS.11.22	CF				100	PT	NA			DHR-23
33-023	Ell To Pipe Circ Seam	CS.11.23	CF				100	PT	NA			DHR-24
33-024	Pipe To Ell Circ Seam	CS.11.24	CF				100	PT	NA			DHR-25
33-025	Ell To Pipe Circ Seam	CS.11.25	CF				100	PT	NA			DHR-26
33-026	Pipe To Ell Circ Seam	CS.11.26	CF				100	PT	NA			DHR-27
33-027	Ell To Pipe Circ Seam	CS.11.27	CF				100	PT	NA			DHR-28
33-028	Pipe To Ell Circ Seam	CS.11.28	CF				100	PT	NA			DHR-29
33-029	Ell To Valve Circ Seam	CS.11.29	CF				100	PT	NA			DHR-30
33-030	Valve To Pipe Circ Seam	CS.11.30	CF				100	PT	NA			

FORM ENG-011
ANO-UNIT-ONE
PIPING PRESSURE BOUNDARY
PROGRAM PLAN AND SCHEDULE
ZONE- 33
COMPONENT DESCRIPTION
DH REMOVAL TO PUMPS

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
33-031	Pipe To Ell Circ Seam	C5.11.31					100	PT	NA				DHR-31 And 1" Of LS 031A & B
33-031AB	Ell Long Seams	C5.12.4					100	PT	NA				DHR-31L
33-032	Ell To Tee Circ Seam	C5.11.32					100	PT	NA				DHR-32 And 1" Of LS 031A & B
33-033	Tee To Reducer Circ Seam	C5.11.33					100	PT	NA				DHR-33
33-034	Reducer To Valve Circ Seam	C5.11.34					100	PT	NA				DHR-34
33-035	Tee To P3/4 Nozzle Circ Seam	C5.11.35					100	PT	NA				DHR-35
33-036	Tee To Ell Circ Seam	C5.11.36					100	PT	NA				DHR-36
33-037	Ell To Pipe Circ Seam	C5.11.37					100	PT	NA				DHR-37
33-038	Pipe To Ell Circ Seam	C5.11.38					100	PT	NA				DHR-38 And 1" Of LS 038A & B
33-038AB	Ell Long Seams	C5.12.5					100	PT	NA				DHR-38L
33-039	Ell To Pipe Circ Seam	C5.11.39					100	PT	NA				DHR-39 And 1" Of LS 038A & B
33-040	Pipe To Ell Circ Seam	C5.11.40					100	PT	NA				DHR-40
33-041	Ell To Pipe Circ Seam	C5.11.41					100	PT	NA				DHR-41
33-042	Pipe To Ell Circ Seam	C5.11.42					100	PT	NA				DHR-42 And 1" Of LS 042A & B
33-042AB	Ell Long Seams	C5.12.6					100	PT	NA				DHR-42L
33-043	Ell To Pipe Circ Seam	C5.11.43					100	PT	NA				DHR-43 And 1" Of LS 042A & B
33-044	Pipe To Ell Circ Seam	C5.11.44					100	PT	NA				DHR-44
33-045	Ell To Valve Circ Seam	C5.11.45			10		100	PT	NA	X	X	X	DHR-45
33-046	Valve To Ell Circ Seam	C5.11.46					100	PT	NA				DHR-46
33-047	Ell To Tee Circ Seam	C5.11.47					100	PT	NA				DHR-47
33-048	Tee To Reducer Circ Seam	C5.11.48					100	PT	NA				DHR-48 And 1" Of LS 048A & B
33-048AB	Reducer Long Seams	C5.12.7			11		100	PT	NA	X	X	X	DHR-48L
33-049	Reducer To Valve Circ Seam	C5.11.49			11		100	PT	NA	X	X	X	DHR-49 And 1" Of LS 048A & B
33-050	Tee To P3/8 Nozzle Circ Seam	C5.11.50			10		100	PT	NA	X	X	X	DHR-50
33-051	Spring Hanger DH-251	C3.30.1		9			100	PT MT	NA	X	X	X	SK#9-427
33-052	Guide DH-121	C3.30.2					100	PT MT	NA	X	X	X	SK#9-402
33-053	Restraint DH-126	C3.30.3					100	PT MT	NA	X	X	X	SK#9-404B
33-054	Guide DH-122	C3.30.4					100	PT MT	NA	X	X	X	SK#9-404
33-055	Spring Hanger DH-124	C3.30.5					100	PT MT	NA	X	X	X	SK#9-407
33-056	Spring Hanger DH-154	C3.30.6					100	PT MT	NA	X	X	X	SK#9-424
33-057	Guide DH-127	C3.30.7		8			100	PT MT	NA	X	X	X	SK#9-410
33-058	Restraint DH-129	C3.30.8					100	PT MT	NA	X	X	X	SK#9-412
33-059	Spring Hanger DH-128	C3.30.9					100	PT MT	NA	X	X	X	SK#9-411

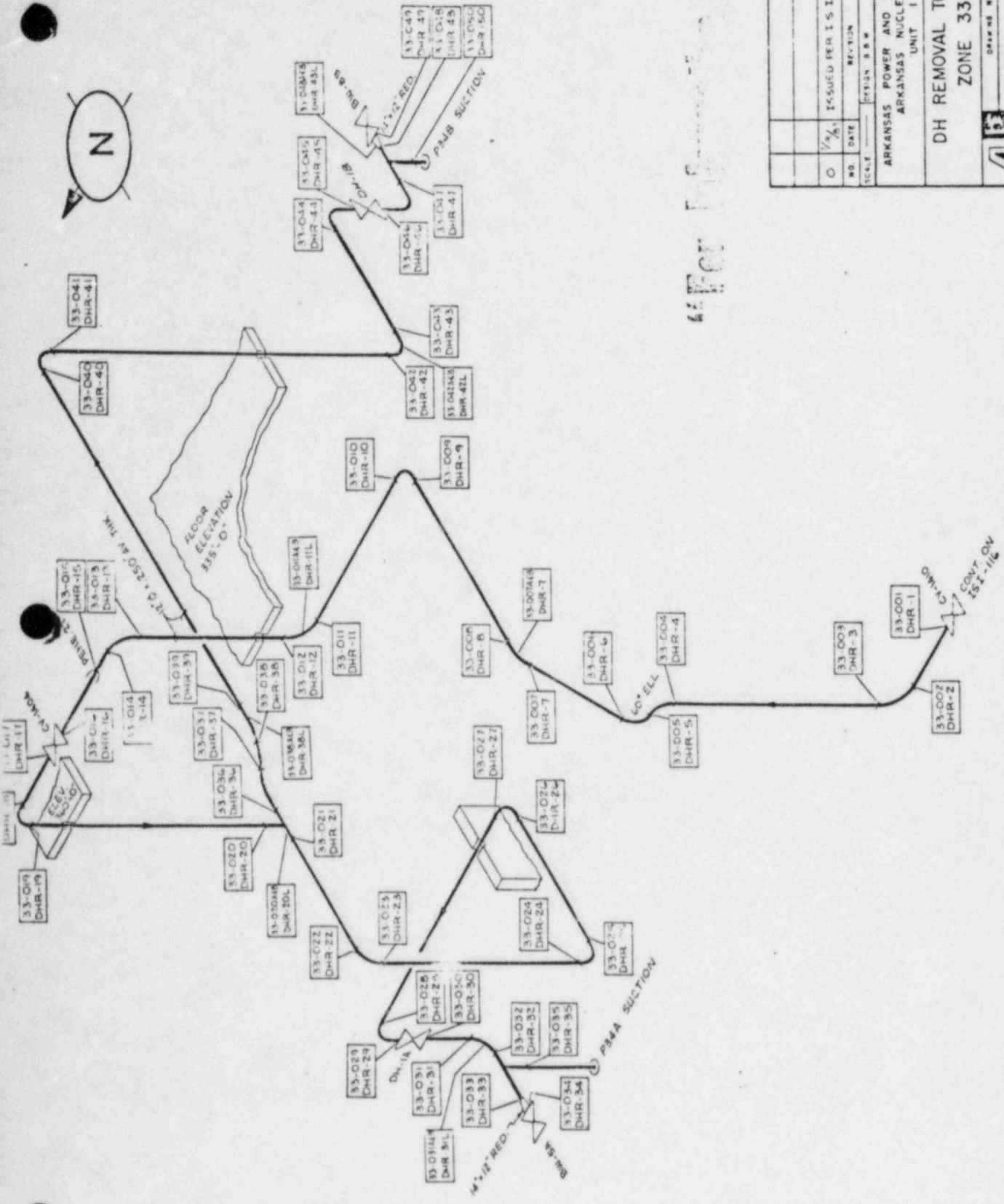
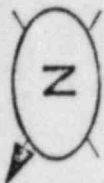
PROGRAM PLAN AND SCHEDULE
 ZONE - 33

FORM ENG-011
 ANO-UNIT-ONE
 PIPING PRESSURE BOUNDARY

COMPONENT DESCRIPTION

DH REMOVAL TO PUMPS

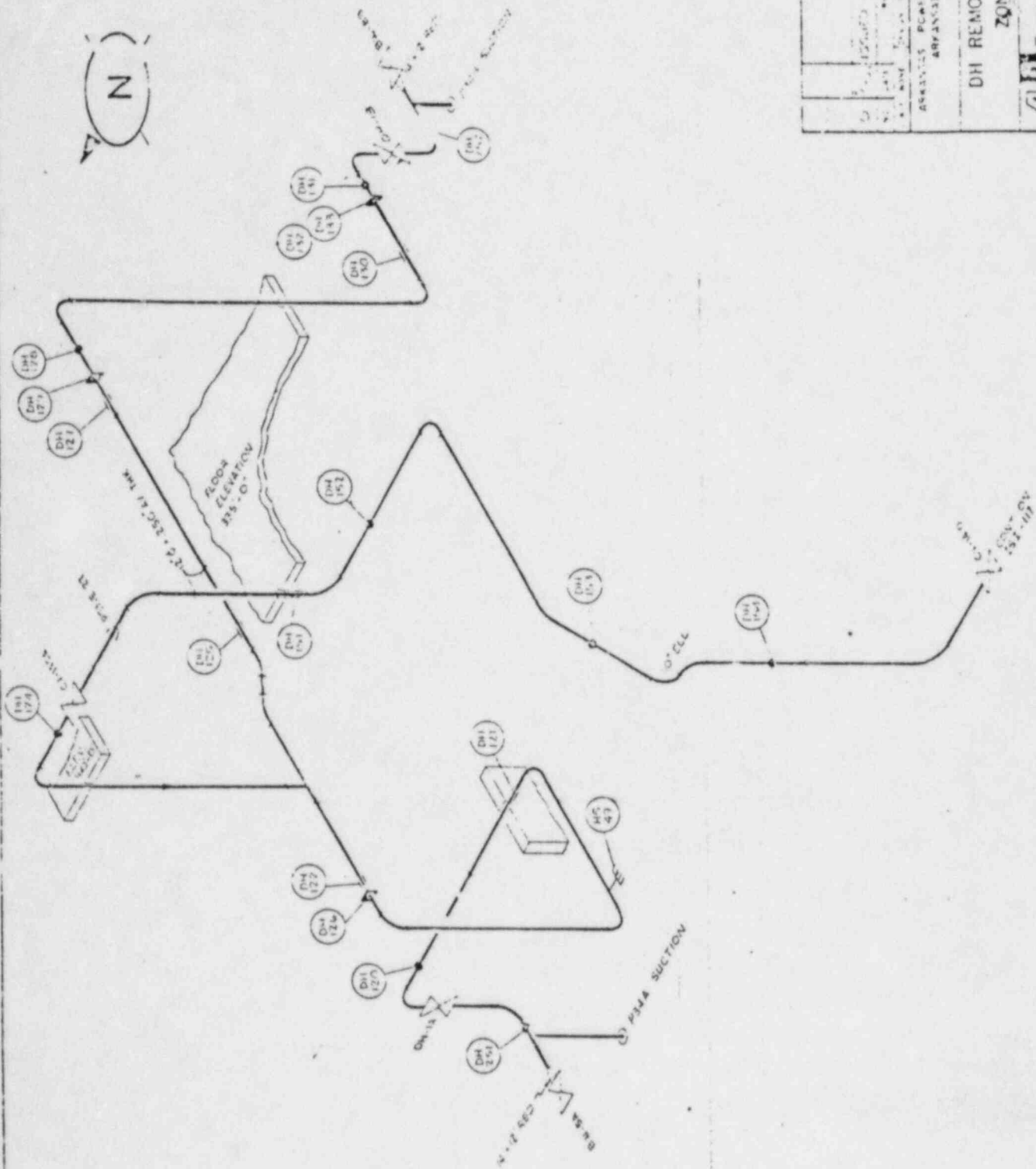
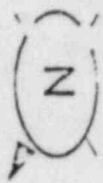
EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% Sch	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4				S	I	
33-060	Guide DH-130	C3.30.10	CC				100	PT MT	NA	X	X	SK#9-414
33-061	Restraint DH-132	C3.30.11	CC	7			100	PT MT	NA	X	X	SK#9-426A
33-062	Restraint DH-133	C3.30.12	CC				100	PT MT	NA	X	X	SK#9-426
33-063	Spring Hanger DH-252	C3.30.13	CC				100	PT MT	NA	X	X	SK#9-428
33-064	Spring Hanger DH-251	F3.50.1	F-C		9		100	VT-4	NA	X	X	SK#9-427
33-065	Spring Hanger DH-120	F3.50.2	F-C				100	VT-4	NA	NA	NA	SK#9-400
33-066	Guide DH-121	F3.50.3	F-C				100	VT-4	NA	X	X	SK#9-402
33-067	Hydraulic Snubber HS-49	F3.50.4	F-C				100	VT-4	NA	NA	NA	SK#9-431
33-068	Restraint DH-126	F3.40.1	F-C				100	VT-3	NA	X	X	SK#9-404B
33-069	Guide DH-122	F3.40.2	F-C				100	VT-3	NA	X	X	SK#9-404
33-070	Spring Hanger DH-124	F3.50.5	F-C				100	VT-4	NA	X	X	SK#9-407
33-071	Spring Hanger DH-152	F3.50.6	F-C				100	VT-4	NA	NA	NA	SK#9-421
33-072	Spring Hanger DH-153	F3.50.7	F-C				100	VT-4	NA	NA	NA	SK#9-422
33-073	Spring Hanger DH-154	F3.50.8	F-C				100	VT-4	NA	X	X	SK#9-424
33-074	Guide DH-127	F3.40.3	F-C	8			100	VT-3	NA	X	X	SK#9-410
33-075	Restraint DH-129	F3.40.4	F-C				100	VT-4	NA	X	X	SK#9-412
33-076	Spring Hanger DH-128	F3.50.9	F-C				100	VT-4	NA	X	X	SK#9-411
33-077	Guide DH-130	F3.40.5	F-C				100	VT-3	NA	X	X	SK#9-414
33-078	Restraint DH-132	F3.40.6	F-C	7			100	VT-3	NA	X	X	SK#9-426A
33-079	Restraint DH-133	F3.40.7	F-C				100	VT-3	NA	X	X	SK#
33-080	Spring Hanger DH-131	F3.50.10	F-C				100	VT-4	NA	NA	NA	SK#9-416
33-081	Spring Hanger DH-252	F3.50.11	F-C				100	VT-4	NA			SK#9-428
33-082	Pressure Retaining Components	C7.30.1	CH	X	X	X	100	VT-2	NA	NA	NA	Pressure Retaining Boundary
33-083	Pressure Retaining Components	C7.40.1	CH			X	100	VT-2	NA	NA	NA	Pressure Retaining Boundary
33-084	Pressure Retaining Components	C7.70.1	CH	X	X	X	100	VT-2	NA	NA	NA	Pressure Retaining Boundary
33-085	Pressure Retaining Components	C7.80.1	CH			X	100	VT-2	NA	NA	NA	Pressure Retaining Boundary



NO.	DATE	REVISION	BY
0	7/9	ISSUED PER ISI	RJ

SCALE	DESIGN	BBW	DRAWN	BY	JONES
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ARKANSAS POWER AND LIGHT COMPANY	
ARKANSAS NUCLEAR ONE	
UNIT 1	
DH REMOVAL TO PUMPS	
ZONE 33	
GRAPH NO.	REV.
ISI-133	01



ISSUED PER UNIT UNIT NO. _____ DATE _____	
ADDRESS PUMP AND LIGHT COMPANY ARRIVES IN CLEAN ONE	
UNIT 1	
DH REMOVAL TO PUMPS ZONE 33	
ISI-133H	

FOR INFORMATION ONLY

PROGRAM PLAN AND SCHEDULE

FORM ENG-011

ANO-UNIT-ONE

ZONE- 34

COMPONENT DESCRIPTION

PIPING PRESSURE BOUNDARY

LPI PUMP A TO PENETRATION

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4				S	I WP	
34-001	334A Disch To Valve Circ Seam	CS.11.1					100	PT	NA			LPI-A1
34-002	Valve To Tee Circ Seam	CS.11.2					100	PT	NA			LPI-A2
34-003	Tee To Valve Circ Seam	CS.11.3					100	PT	NA			LPI-A3
34-004	Valve To Ell Circ Seam	CS.11.4					100	PT	NA			LPI-A4
34-005	Ell To Pipe Circ Seam	CS.11.5					100	PT	NA			LPI-A5
34-006	Pipe To Ell Circ Seam	CS.11.6					100	PT	NA			LPI-A6 And 1" of IS 006A & B
34-006AB	Ell Long Seams	CS.12.1					100	PT	NA			LPI-A6L
34-007	Ell To Pipe Circ Seam	CS.11.7					100	PT	NA			LPI-A7 And 1" of IS 006A & B
34-008	Pipe To Ell Circ Seam	CS.11.8					100	PT	NA			LPI-A8
34-009	Ell To Pipe Circ Seam	CS.11.9					100	PT	NA			LPI-A9
34-010	Pipe To Ell Circ Seam	CS.11.10					100	PT	NA			LPI-A10
34-011	Ell To Pipe Circ Seam	CS.11.11					100	PT	NA			LPI-A11
34-012	Pipe To Ell Circ Seam	CS.11.12					100	PT	NA			LPI-A12
34-013	Ell To Pipe Circ Seam	CS.11.13					100	PT	NA			LPI-A13
34-014	Pipe To Red Circ Seam	CS.11.14					100	PT	NA			LPI-A14 And 1" of IS 014A & B
34-014AB	Reducer Long Seams	CS.12.2					100	PT	NA			LPI-A14L
34-015	Red To F35A Noz Circ Seam	CS.11.15					100	PT	NA			LPI-A15 And 1" of IS 014A & B
34-016	F35A Noz To Red Circ Seam	CS.11.16					100	PT	NA			LPI-A16
34-017	Red To Ell Circ Seam	CS.11.17					100	PT	NA			LPI-A17
34-018	Ell To Ell Circ Seam	CS.11.18					100	PT	NA			LPI-A18
34-019	Ell To Pipe Circ Seam	CS.11.19					100	PT	NA			LPI-A19
34-020	Pipe To Tee Circ Seam	CS.11.20					100	PT	NA			LPI-A20
34-021	F35A Noz To Red Circ Seam	CS.11.21					100	PT	NA			LPI-A22
34-022	Red To Ell Circ Seam	CS.11.22					100	PT	NA			LPI-A23
34-023	Ell To Pipe Circ Seam	CS.11.23					100	PT	NA			LPI-A24 And 1" of IS 024A & B
34-024	Pipe To Tee Circ Seam	CS.11.24					100	PT	NA			LPI-A24L
34-024AB	Tee Long Seams	CS.12.3					100	PT	NA			LPI-A25 And 1" of IS 024A & B
34-025	Tee To Ell Circ Seam	CS.11.25					100	PT	NA			LPI-A26
34-026	Ell To Pipe Circ Seam	CS.11.26					100	PT	NA			LPI-A27
34-027	Pipe To Ell Circ Seam	CS.11.27					100	PT	NA			LPI-A28
34-028	Ell To Pipe Circ Seam	CS.11.28					100	PT	NA			LPI-A29
34-029	Pipe To Ell Circ Seam	CS.11.29					100	PT	NA			LPI-A30
34-030	Ell To Valve Circ Seam	CS.11.30					100	PT	NA			LPI-A30

PROGRAM PLAN AND SCHEDULE
ZONE - 34
COMPONENT DESCRIPTION
LPI PUMP A TO PENETRATION

FORM ENG-011
ANO-UNIT-ONE
PIPING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4				S	I	
34-031	Valve To Ell Circ Seam	C5.11.31					100	PT	NA			LPI-A31
34-032	Ell To Ell Circ Seam	C5.11.32					100	PT	NA			LPI-A32
34-033	Ell To Pipe Circ Seam	C5.11.33					100	PT	NA			LPI-A33 And 1" Of LS 033A & B
34-033AB	Ell Long Seams	C5.12.4					100	PT	NA			LPI-A33L
34-034	Pipe To Tee Circ Seam	C5.11.34					100	PT	NA			LPI-A34 And 1" Of LS 033A & B
34-035	Tee To Red Circ Seam	C5.11.35					100	PT	NA			LPI-A35
34-036	Tee To Pipe Circ Seam	C5.11.36					100	PT	NA			LPI-A36
34-037	Pipe To Ell Circ Seam	C5.11.37					100	PT	NA			LPI-A37
34-038	Ell To Pipe Circ Seam	C5.11.38					100	PT	NA			LPI-A38
34-039	Pipe To Ell Circ Seam	C5.11.39					100	PT	NA			LPI-A39
34-040	Ell To Pipe Circ Seam	C5.11.40					100	PT	NA			LPI-A40
34-041	Tee To Pipe Circ Seam	C5.11.41					100	PT	NA			LPI-A41
34-041AB	Reducing Tee Long Seams	C5.12.5					100	PT	NA	X	X	LPI-A41L
34-042	Pipe To Valve Circ Seam	C5.11.42				1	100	PT	NA			LPI-A42
34-043	Valve To Pipe Circ Seam	C5.11.43					100	PT	NA			LPI-A43
34-044	Pipe To Ell Circ Seam	C5.11.44					100	PT	NA			LPI-A44
34-045	Ell To Pipe Circ Seam	C5.11.45					100	PT	NA			LPI-A45
34-046	Pipe To Ell Circ Seam	C5.11.46					100	PT	NA			LPI-A46
34-047	Ell To Pipe Circ Seam	C5.11.47					100	PT	NA			LPI-A47
34-048	Pipe To Ell Circ Seam	C5.11.48					100	PT	NA			LPI-A48
34-049	Ell To Pipe Circ Seam	C5.11.49					100	PT	NA			LPI-A49
34-050	Pipe To Ell Circ Seam	C5.11.50					100	PT	NA			LPI-A50
34-051	Ell To Tee Circ Seam	C5.11.51					100	PT	NA			LPI-A51
34-052	Tee To Pipe Circ Seam	C5.11.52					100	PT	NA			LPI-A52
34-053	Pipe To Flange Circ Seam	C5.11.53					100	PT	NA			LPI-A53
34-054	Flange To Pipe Circ Seam	C5.11.54					100	PT	NA			LPI-A54
34-055	Pipe To Tee Circ Seam	C5.11.55					100	PT	NA			LPI-A55
34-056	Tee To Reducer Circ Seam	C5.11.56					100	PT	NA			LPI-A56
34-057	Reducer To Pipe Circ Seam	C5.11.57					100	PT	NA			LPI-A57
34-058	Pipe To Ell Circ Seam	C5.11.58					100	PT	NA			LPI-A58
34-058AB	Ell Long Seams	C5.12.6					100	PT	NA			LPI-A58L
34-059	Ell To Pipe Circ Seam	C5.11.59					100	PT	NA			LPI-A59
34-060	Pipe To Ell Circ Seam	C5.11.60					100	PT	NA			LPI-A60

PROGRAM PLAN AND SCHEDULE

ZONE - 34

COMPONENT DESCRIPTION

LPI PUMP A TO PENETRATION

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ANO-UNIT-ONE

PIPING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4				S	I	
B4-061	Fill To Pipe Circ Seam	C5.11.61					100	PT	NA			LPI-A61
B4-062	Pipe To Ell Circ Seam	C5.11.62					100	PT	NA			LPI-A62
B4-063	Fill To Ell Circ Seam	C5.11.63					100	PT	NA			LPI-A63
B4-064	Fill To Pipe Circ Seam	C5.11.64					100	PT	NA			LPI-A64
B4-065	Pipe To Valve Circ Seam	C5.11.65					100	PT	NA			LPI-A65
B4-066	Valve To Pipe Circ Seam	C5.11.66					100	PT	NA			LPI-A66
B4-067	Pipe To Tee Circ Seam	C5.11.67					100	PT	NA			LPI-A67
B4-068	Valve To Ell Circ Seam	C5.11.68					100	PT	NA			LPI-A68
B4-069	Fill To Pipe Circ Seam	C5.11.69					100	PT	NA			LPI-A69
B4-070	Pipe To Tee Circ Seam	C5.11.70					100	PT	NA			LPI-A70
B4-071	Tee To Pipe Circ Seam	C5.11.71					100	PT	NA			LPI-A71
B4-072	Pipe To Tee Circ Seam	C5.11.72					100	PT	NA			LPI-A72
B4-073	Tee To Valve Circ Seam	C5.11.73					100	PT	NA			LPI-A73
B4-074	Tee To Pipe Circ Seam	C5.11.74					100	PT	NA			LPI-A74
B4-075	Pipe To Ell Circ Seam	C5.11.75					100	PT	NA			LPI-A75
B4-075AB	Fill Long Seams	C5.12.7					100	PT	NA			LPI-A75L
B4-076	Fill To Pipe Circ Seam	C5.11.76					100	PT	NA			LPI-A76
B4-077	Pipe To Ell Circ Seam	C5.11.77					100	PT	NA			LPI-A77
B4-077AB	Fill Long Seams	C5.12.8					100	PT	NA			LPI-A77L
B4-078	Fill To Ell Circ Seam	C5.11.78					100	PT	NA			LPI-A78
B4-079	Fill To Valve Circ Seam	C5.11.79					100	PT	NA			LPI-A79
B4-080	Valve To Reducer Circ Seam	C5.11.80					100	PT	NA			LPI-A80
B4-081	Reducer To Pipe Circ Seam	C5.11.81					100	PT	NA			LPI-A81
B4-082	Restraint DH-8	C3.20.1	8				100	PT	NA	X	X	SK#9-115
B4-083	Rigid Hanger DH-10	C3.20.2					100	PT	NA	X	X	SK#9-116
B4-084	Spring Hanger DH-262	C3.20.3					100	PT	NA	X	X	SK#2-114
B4-085	Spring Hanger DH-15	C3.20.4			10		100	PT	NA	X	X	SK#9-140
B4-086	Anchor DH-18	F3.40.1					100	VT-4	NA	NA	NA	SK#9-134
B4-087	Restraint DH-17	F3.40.2					100	VT-3	NA	NA	NA	SK#9-110
B4-088	Restraint DH-21	F3.40.3					100	VT-3	NA	NA	NA	SK#9-136A
B4-089	Spring Hanger DH-5	F3.50.1					100	VT-4	NA	NA	NA	SK#9-112
B4-090	Restraint DH-9	F3.40.4					100	VT-3	NA	NA	NA	SK#9-113
B4-091	Restraint DH-8	F3.40.5			18		100	VT-3	NA	X	X	SK#9-115

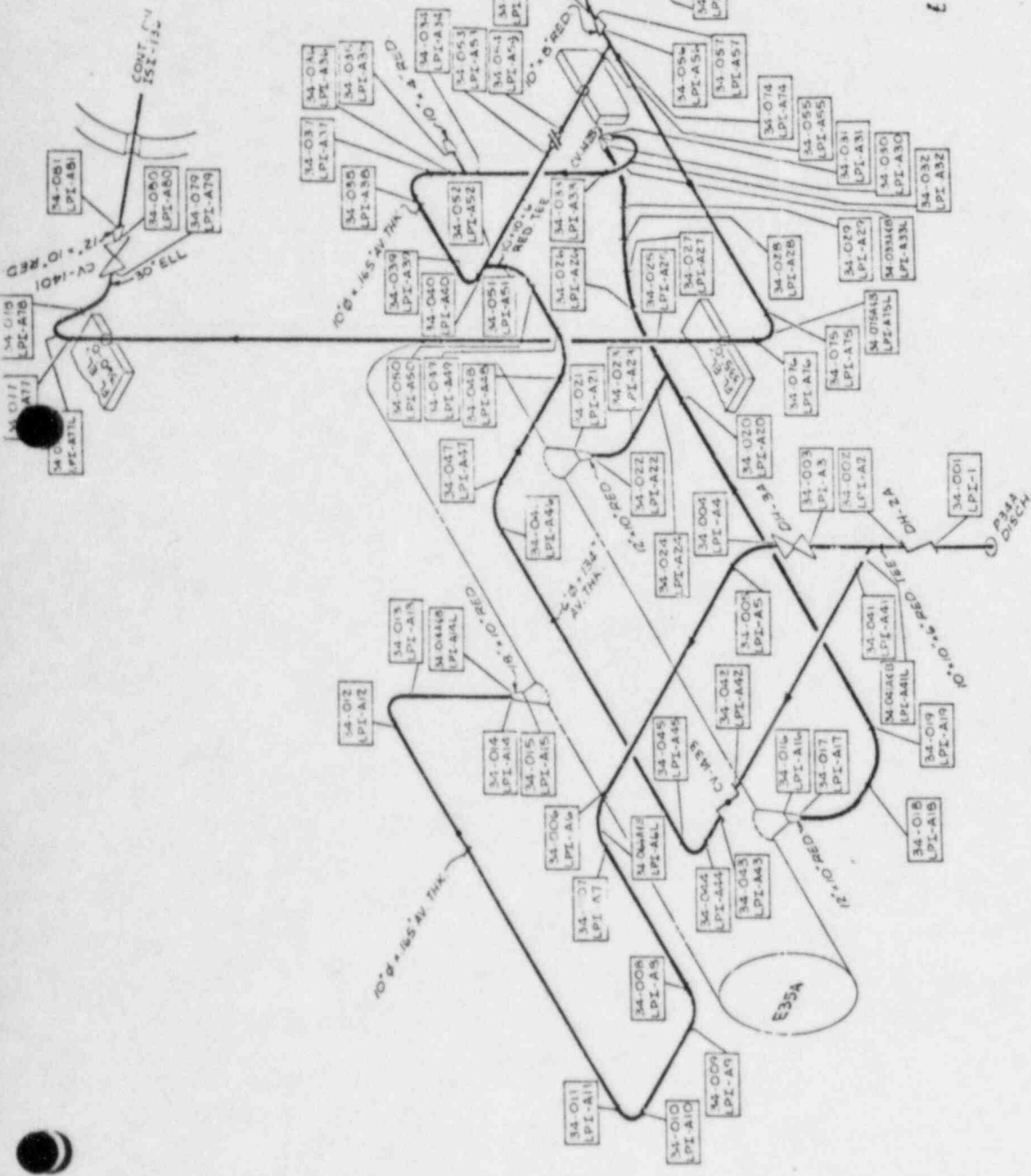
PROGRAM PLAN AND SCHEDULE
ZONE-34
COMPONENT DESCRIPTION
LPI PUMP A TO PENETRATION

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ANO-UNIT-ONE

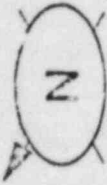
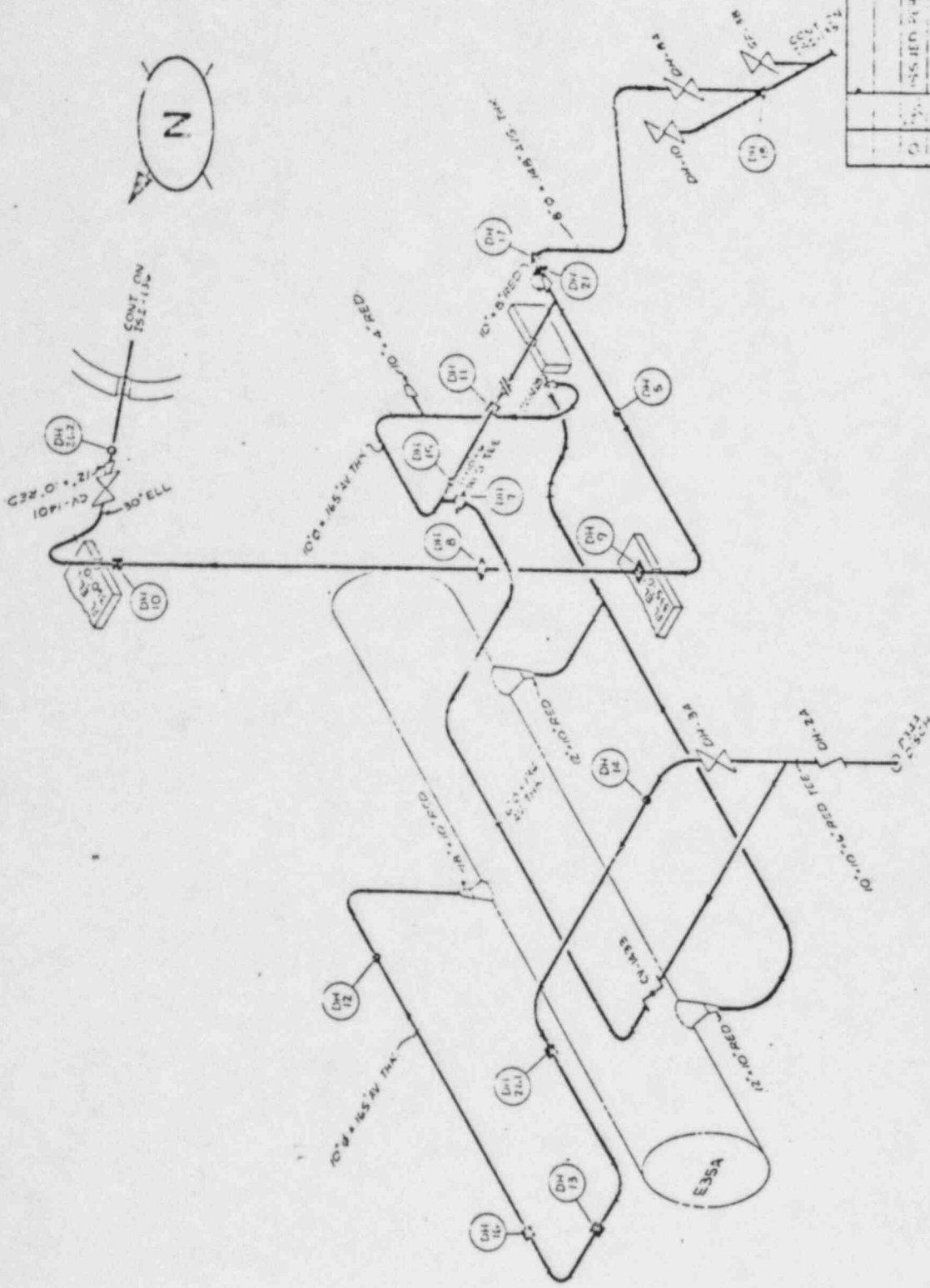
PIPING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
94-092	Rigid Hanger DH-10	F-C					100	VT-3	NA	X	X	X	SK#9-116
94-093	Spring Hanger DH-262	F-C			10		100	VT-4	NA	X	X	X	SK#2-114
94-094	Rigid Hanger DH-11	F-C					100	VT-4	NA	NA	NA	NA	SK#9-109
94-095	Spring Hanger DH-15	F-C					100	VT-3	NA	X	X	X	SK#9-140
94-096	Restraint DH-7	F-C					100	VT-3	NA	NA	NA	NA	SK#9-103
94-097	Spring Hanger DH-14	F-C					100	VT-4	NA	NA	NA	NA	SK#13-102
94-098	Spring Hanger DH-12	F-C					100	VT-3	NA	NA	NA	NA	SK#13-100
94-099	Rigid Hanger DH-261	F-C					100	VT-4	NA	NA	NA	NA	SK#13-139
94-100	Rigid Hanger DH-13	F-C					100	VT-4	NA	NA	NA	NA	SK#13-101
94-101	Rigid Hanger DH-16	F-C					100	VT-4	NA	NA	NA	NA	SK#13-138
94-102	Pressure Retaining Components	CH	7	8	9	10	100	VT-2	NA	NA	NA	NA	Pressure Retaining Boundary
94-103	Pressure Retaining Components	CH	7	8	9	11	100	VT-2	NA	NA	NA	NA	Pressure Retaining Boundary
94-104	Pressure Retaining Components	CH	7	8	9	10	100	VT-2	NA	NA	NA	NA	Pressure Retaining Boundary
94-105	Pressure Retaining Components	CH	7	8	9	11	100	VT-2	NA	NA	NA	NA	Pressure Retaining Boundary



NO	DATE	REVISION	BY	APP'D
0		ISSUED PER I.S.I.	RJ	
SCALE	DESIGN B.W.	DWAIN B. JONES		

ARKANSAS POWER AND LIGHT COMPANY
 ARKANSAS NUCLEAR ONE
 UNIT 1
 LPI PUMP A TO PENE.
 ZONE 34
 DRAWING NO. ISI - 134
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REVISION			BY		
APPROVED BY			DATE		

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 ARKANSAS NUCLEAR ONE
 UNIT 1
LPI PUMP TO FENE.
 ZONE 34
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PROGRAM PLAN AND SCHEDULE

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ZONE- 35

COMPONENT DESCRIPTION
LPI PUMP B TO PENETRATION

PIPING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
B5-001	P35B Noz To Valve Circ Seam	C5.11.1					100	FT	NA				LPI-B1
B5-002	Valve To Pipe Circ Seam	C5.11.2					100	FT	NA				LPI-B2
B5-003	Pipe To Tee Circ Seam	C5.11.3					100	PT	NA				LPI-B3
B5-004	Tee To Valve Circ Seam	C5.11.4					100	PT	NA	X	X	X	LPI-B4
B5-005	Valve To Pipe Circ Seam	C5.11.5					100	PT	NA				LPI-B5
B5-006	Pipe To Ell Circ Seam	C5.11.6					100	PT	NA				LPI-B6
B5-007	Ell To Pipe Circ Seam	C5.11.7					100	PT	NA				LPI-B7
B5-008	Pipe To Ell Circ Seam	C5.11.8					100	PT	NA				LPI-B8
B5-009	Ell To Pipe Circ Seam	C5.11.9					100	PT	NA				LPI-B9
B5-010	Pipe To Ell Circ Seam	C5.11.10					100	PT	NA				LPI-B10
B5-011	Ell To Pipe Circ Seam	C5.11.11					100	PT	NA				LPI-B11
B5-012	Pipe To Ell Circ Seam	C5.11.12					100	PT	NA				LPI-B12
B5-013	Ell To Pipe Circ Seam	C5.11.13					100	PT	NA				LPI-B13
B5-014	Pipe To Ell Circ Seam	C5.11.14					100	PT	NA				LPI-B14
B5-014A	Ell Long Seams	C5.12.1					100	PT	NA				LPI-B14L
B5-015	Ell To Pipe Circ Seam	C5.11.15					100	PT	NA				LPI-B15
B5-016	Pipe To Red Circ Seam	C5.11.16					100	PT	NA				LPI-B16
B5-017	Red To E35B Noz Circ Seam	C5.11.17					100	PT	NA				LPI-B17
B5-018	E35B Noz To Red Circ Seam	C5.11.18					100	PT	NA				LPI-B18
B5-018A	Reducer Long Seams	C5.12.2					100	PT	NA				LPI-B18L
B5-019	Red To Ell Circ Seam	C5.11.19					100	PT	NA				LPI-B19
B5-020	Ell To Pipe Circ Seam	C5.11.20					100	PT	NA				LPI-B20
B5-021	Pipe To Ell Circ Seam	C5.11.21					100	PT	NA				LPI-B21
B5-021A	Ell Long Seams	C5.12.3					100	PT	NA				LPI-B21L
B5-022	Ell To Pipe Circ Seam	C5.11.22					100	PT	NA				LPI-B22
B5-023	Pipe To Tee Circ Seam	C5.11.23					100	PT	NA				LPI-B23
B5-024	E35B Noz To Red Circ Seam	C5.11.24					100	PT	NA				LPI-B24
B5-025	Red To Ell Circ Seam	C5.11.25					100	PT	NA				LPI-B25
B5-026	Ell To Pipe Circ Seam	C5.11.26					100	PT	NA				LPI-B26
B5-027	Pipe To Ell Circ Seam	C5.11.27					100	PT	NA				LPI-B27
B5-027A	Tee Long Seams	C5.12.4					100	PT	NA				LPI-B27L
B5-028	Ell To Ell Circ Seam	C5.11.28					100	PT	NA				LPI-B28
B5-029	Ell To Pipe Circ Seam	C5.11.29					100	PT	NA				LPI-B29

PROGRAM PLAN AND SCHEDULE

ZONE - 35

COMPONENT DESCRIPTION

LPI PUMP B TO PENETRATION

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PIPING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
35-030	Pipe To Ell Circ Seam	35.11.30					100	PT	NA				LPI-B30
35-031	Ell To Pipe Circ Seam	35.11.31					100	PT	NA				LPI-B31
35-032	Pipe To Ell Circ Seam	35.11.32					100	PT	NA				LPI-B32
35-033	Ell To Pipe Circ Seam	35.11.33					100	PT	NA				LPI-B33
35-034	Pipe To Valve Circ Seam	35.11.34					100	PT	NA				LPI-B34
35-035	Valve To Ell Circ Seam	35.11.35	9				100	PT	NA	X	X	X	LPI-B35
35-036	Ell To Pipe Circ Seam	35.11.36	8				100	PT	NA	X	X	X	LPI-B36
35-037	Pipe To Ell Circ Seam	35.11.37					100	PT	NA				LPI-B37
35-038	Ell To Pipe Circ Seam	35.11.38					100	PT	NA				LPI-B38
35-039	Pipe To Ell Circ Seam	35.11.39					100	PT	NA				LPI-B39
35-040	Ell To Pipe Circ Seam	35.11.40					100	PT	NA				LPI-B40
35-041	Pipe To Ell Circ Seam	35.11.41					100	PT	NA				LPI-B41
35-042	Valve To Ell Circ Seam	35.11.42					100	PT	NA				LPI-B42
35-043	Ell To Pipe Circ Seam	35.11.43					100	PT	NA				LPI-B43
35-044	Pipe To Ell Circ Seam	35.11.44					100	PT	NA				LPI-B44
35-045	Ell To Pipe Circ Seam	35.11.45					100	PT	NA				LPI-B45
35-045AB	Ell Long Seams	35.12.5					100	PT	NA				LPI-B45L
35-046	Ell To Pipe Circ Seam	35.11.46					100	PT	NA				LPI-B46
35-047	Pipe To Valve Circ Seam	35.11.47					100	PT	NA				LPI-B47
35-048	Valve To Pipe Circ Seam	35.11.48					100	PT	NA				LPI-B48
35-049	Pipe To Ell Circ Seam	35.11.49					100	PT	NA				LPI-B49
35-050	Ell To Pipe Circ Seam	35.11.50					100	PT	NA				LPI-B50
35-051	Pipe To Ell Circ Seam	35.11.51					100	PT	NA				LPI-B51
35-052	Ell To Pipe Circ Seam	35.11.52					100	PT	NA				LPI-B52
35-053	Pipe To Tee Circ Seam	35.11.53					100	PT	NA				LPI-B53
35-054	Tee To Pipe Circ Seam	35.11.54					100	PT	NA				LPI-B54
35-055	Pipe To Ell Circ Seam	35.11.55					100	PT	NA				LPI-B55
35-055AB	Ell Long Seams	35.12.6					100	PT	NA				LPI-B55L
35-056	Ell To Pipe Circ Seam	35.11.56					100	PT	NA				LPI-B56
35-057	Pipe To F.O. Circ Seam	35.11.57					100	PT	NA				LPI-B57
35-058	F.O. To Pipe Circ Seam	35.11.58					100	PT	NA				LPI-B58
35-058AB	Ell Long Seams	35.12.7					100	PT	NA				LPI-B58L
35-059	Pipe To Ell Circ Seam	35.11.59					100	PT	NA				LPI-B59

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCR	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4				S	I	
5-060	Flt To Pipe Circ Seam	5.11.60	CF				100	PT	NA			LPI-B60
5-061	Pipe To Flt Circ Seam	5.11.61	CF				100	PT	NA			LPI-B61
5-062	Pipe To Flt Circ Seam	5.11.62	CF				100	PT	NA			LPI-B62
5-063	Pipe To Flt Circ Seam	5.11.63	CF				100	PT	NA	X	X	LPI-B63L
5-063	Pipe To Flt Circ Seam	5.12.8	CF				100	PT	NA	X	X	LPI-B64
5-063AB	See Long Seams	5.11.64	CF				100	PT	NA			LPI-B65
5-064	Flt To Tee Circ Seam	5.11.65	CF				100	PT	NA			LPI-B66
5-065	Tee To Pipe Circ Seam	5.11.66	CF				100	PT	NA			LPI-B67
5-066	Pipe To Flt Circ Seam	5.11.67	CF				100	PT	NA			LPI-B68
5-067	Flt To Pipe Circ Seam	5.11.68	CF				100	PT	NA			LPI-B68L
5-068	Pipe To Flt Circ Seam	5.12.9	CF				100	PT	NA			LPI-B69
5-068AB	Flt Long Seams	5.11.69	CF				100	PT	NA			LPI-B70
5-069	Flt To Pipe Circ Seam	5.11.70	CF				100	PT	NA			LPI-B71
5-070	Pipe To Flt Circ Seam	5.11.71	CF				100	PT	NA			LPI-B72
5-071	Flt To Pipe Circ Seam	5.11.72	CF				100	PT	NA			LPI-B73
5-072	Pipe To Valve Circ Seam	5.11.73	CF				100	PT	NA			LPI-B74
5-073	Valve To Pipe Circ Seam	5.11.74	CF				100	PT	NA	X	X	LPI-B74L
5-074	Pipe To Tee Circ Seam	5.12.10	CF				100	PT	NA	X	X	LPI-B75
5-074AB	Flt Long Seams	5.11.75	CF				100	PT	NA	X	X	LPI-B76
5-075	Valve To Pipe Circ Seam	5.11.76	CF				100	PT	NA			LPI-B77
5-076	Pipe To Flt Circ Seam	5.11.77	CF				100	PT	NA			LPI-B78
5-077	Flt To Red Circ Seam	5.11.78	CF				100	PT	NA			LPI-B79
5-078	Red To Tee Circ Seam	5.11.79	CF				100	PT	NA			LPI-B80
5-079	Tee To Pipe Circ Seam	5.11.80	CF				100	PT	NA			LPI-B80L
5-080	Pipe To Pipe Circ Seam	5.12.11	CF				100	PT	NA			LPI-B81
5-080AB	Flt Long Seams	5.11.81	CF				100	PT	NA			LPI-B82
5-081	Tee To Pipe Circ Seam	5.11.82	CF				100	PT	NA			LPI-B83
5-082	Pipe To Flt Circ Seam	5.11.83	CF				100	PT	NA			LPI-B84
5-083	Flt To Pipe Circ Seam	5.11.84	CF				100	PT	NA			LPI-B85
5-084	Pipe To Flt Circ Seam	5.11.85	CF				100	PT	NA			LPI-B86
5-085	Flt To Pipe Circ Seam	5.11.86	CF				100	PT	NA			LPI-B87
5-086	Pipe To Flt Circ Seam	5.11.87	CF				100	PT	NA			LPI-B88
5-087	Flt To Valve Circ Seam	5.11.88	CF				100	PT	NA			LPI-B88
5-088	Valve To Red Circ Seam	5.11.88	CF				100	PT	NA			LPI-B88

PROGRAM PLAN AND SCHEDULE
ZONE - 35
COMPONENT DESCRIPTION
LPI PUMP B TO PENETRATION

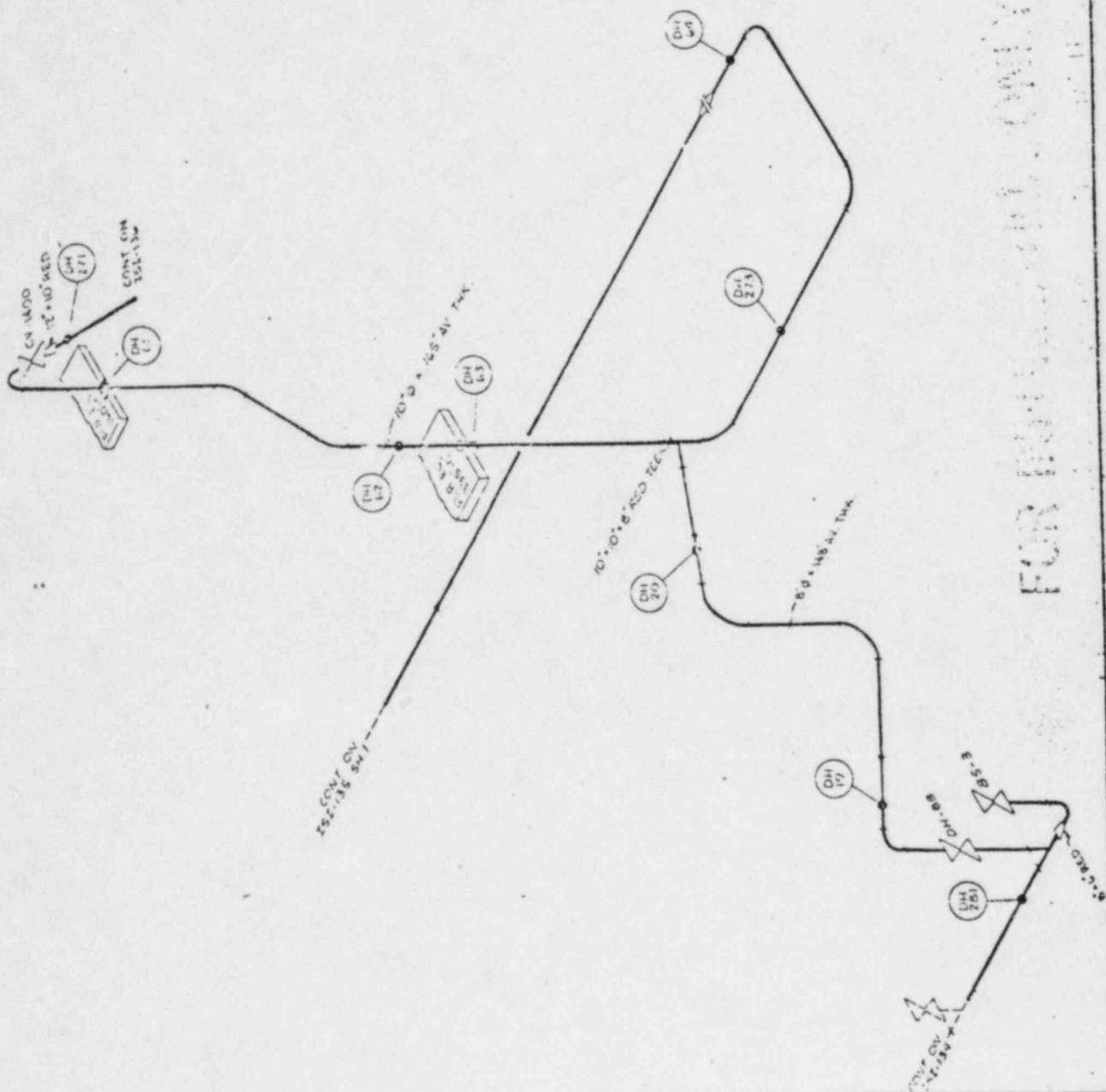
FORM ENG-011

ANO-UNIT-ONE

PIPING PRESSURE BOUNDARY

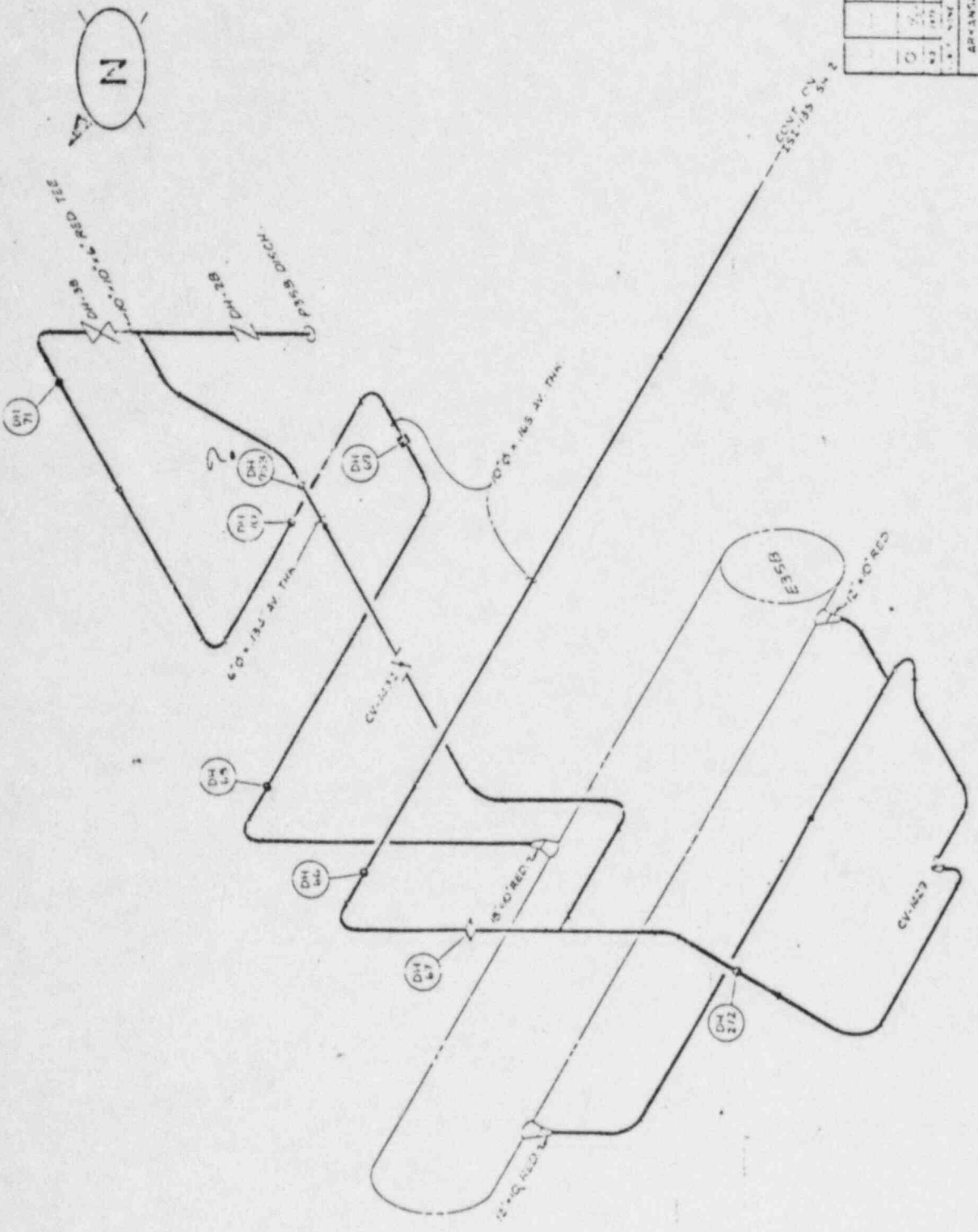
LPI PUMP B TO PENETRATION

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
35-089	Red To Pipe Circ Seam	C5.11.89					100	PT	NA				LPI-B89
35-090	Restraint DH-67	C3.20.1				10	100	PT	NA	K	X	K	SK#9-124
35-091	Spring Hanger DH-281	C3.20.2		9			100	PT	NA	K	X	K	SK#9-137
35-092	Spring Hanger DH-64	C3.20.3					100	PT	NA	K	X	K	SK#9-121
35-093	Guide DH-63	C3.20.4					100	PT	NA	K	X	K	SK#9-129
35-094	Spring Hanger DH-62	C3.20.5					100	PT	NA	K	X	K	SK#9-130
35-095	Spring Hanger DH-271	C3.20.6					100	VT-4	NA	NA	NA	NA	SK#2-113
35-096	Spring Hanger DH-272	F3.50.1				10	100	VT-3	NA	NA	NA	NA	SK#9-138
35-097	Restraint DH-67	F3.40.1					100	VT-4	NA	NA	NA	NA	SK#9-123
35-098	Spring Hanger DH-66	F3.50.2					100	VT-4	NA	NA	NA	NA	SK#13-133
35-099	Spring Hanger DH-68	F3.50.3					100	VT-3	NA	NA	NA	NA	SK#13-134
35-100	Rigid Hanger DH-69	F3.40.2					100	VT-4	NA	NA	NA	NA	SK#13-136
35-101	Spring Hanger DH-70	F3.50.4					100	VT-4	NA	NA	NA	NA	SK#13-137
35-102	Spring Hanger DH-71	F3.50.5					100	VT-4	NA	NA	NA	NA	SK#9-137
35-103	Spring Hanger DH-281	F3.50.6		9			100	VT-4	NA	NA	NA	NA	SK#9-117
35-104	Spring Hanger DH-19	F3.50.7					100	VT-3	NA	NA	NA	NA	SK#9-119
35-105	Spring Hanger DH-20	F3.50.8					100	VT-4	NA	NA	NA	NA	SK#9-136
35-106	Spring Hanger DH-273	F3.50.9					100	VT-4	NA	NA	NA	NA	SK#9-121
35-107	Spring Hanger DH-64	F3.50.10					100	VT-3	NA	NA	NA	NA	SK#9-129
35-108	Guide DH-63	F3.40.3					100	VT-3	NA	NA	NA	NA	SK#9-130
35-109	Spring Hanger DH-62	F3.50.11					100	VT-3	NA	NA	NA	NA	SK#9-131
35-110	Restraint DH-61	F3.40.4					100	VT-3	NA	NA	NA	NA	SK#2-113
35-111	Spring Hanger DH-271	F3.50.12					100	VT-4	NA	NA	NA	NA	Pressure Retaining Boundary
35-112	Pressure Retaining Components	F7.30.1	7	8	9	10	100	VT-2	NA	NA	NA	NA	Pressure Retaining Boundary
35-113	Pressure Retaining Components	F7.40.1	7	8	9	10	100	VT-2	NA	NA	NA	NA	Pressure Retaining Boundary
35-114	Pressure Retaining Components	F7.50.1	7	8	9	10	100	VT-2	NA	NA	NA	NA	Pressure Retaining Boundary
35-115	Pressure Retaining Components	F7.60.1	7	8	9	10	100	VT-2	NA	NA	NA	NA	Pressure Retaining Boundary
35-116	Pressure Retaining Components	F7.70.1	7	8	9	10	100	VT-2	NA	NA	NA	NA	Pressure Retaining Boundary
35-117	Pressure Retaining Components	F7.80.1	7	8	9	10	100	VT-2	NA	NA	NA	NA	Pressure Retaining Boundary



FOR INFORMATION ONLY

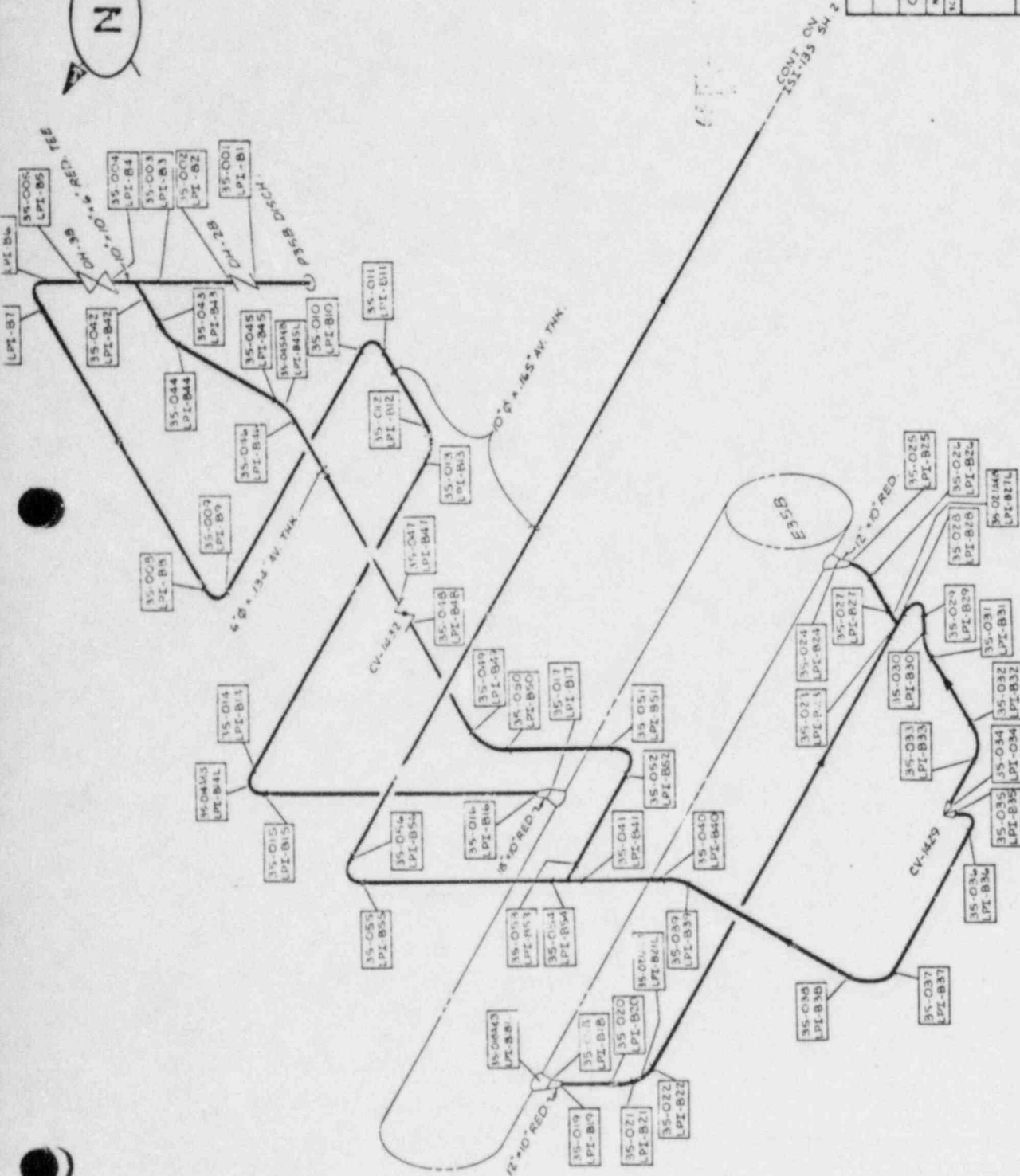
DESIGNED BY	
DRAWN BY	
CHECKED BY	
DATE	
SCALE	
ARIZONA POWER AND LIGHT COMPANY ARIZONA NUCLEAR ONE UNIT 1	
LPI PUMP B TO FENE. ZONE 35	
PROJECT NO.	ISI-135H



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LPI PUMP B TO FENE.
 ZONE 35
 ARKANSAS POWER AND LIGHT COMPANY
 ATOMAS NUCLEAR C-2
 UNIT 1
 135H
 ISI - 135H

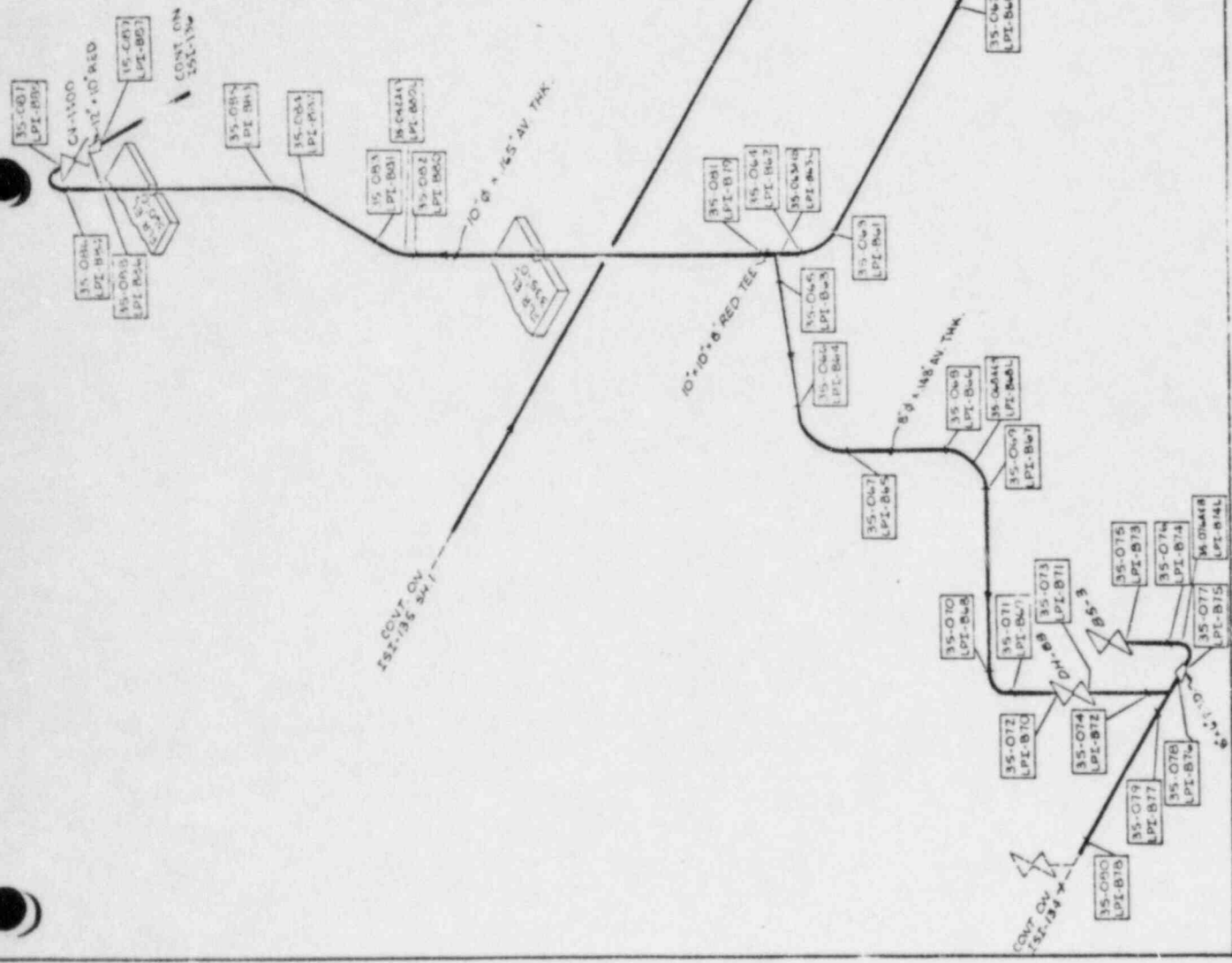
FOR INFORMATION ONLY



NO	DATE	ISSUED PER	BY	BY	BY
0	1/23	151-135	11	11	11

DRAWN BY: []
 CHECKED BY: []
 APPROVED BY: []
 ARKANSAS POWER AND LIGHT COMPANY
 ARKANSAS NUCLEAR ONE
 UNIT 1
 LPI PUMP B TO PENE.
 ZONE 35

DRAW NO. 151-135
 SHEET 1 OF 2
 REV.



NO	DATE	ISSUED PER I.S.E.	RJ III	BY	CRAN & JONES
SCALE	DESIGN B.B.W.	REV. IN			
ARKANSAS POWER AND LIGHT COMPANY					
ARKANSAS NUCLEAR ONE					
UNIT 1					
LPI PUMP B TO PENE.					
ZONE 35					
DRAWING NO					
ISI-135					
REV. 2					
OF 2					

PROGRAM PLAN AND SCHEDULE

ZONE - 36

COMPONENT DESCRIPTION

LPI PENETRATIONS TO CORE FLOOD

FORM ENG-011

ANO-UNIT-ONE

PIPING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
B6-001	Pene. To Pipe Circ Seam	C5.21.1					100	PT	NA	X	X	X	LPI-A82
B6-001	Pene. To Pipe Circ Seam	C5.21.1					100	PT	40846	X	X	X	LPI-A82
B6-002	Pipe To Ell Circ Seam	C5.21.2					100	UT	NA				LPI-A83
B6-002	Pipe To Ell Circ Seam	C5.21.2					100	UT	40846				LPI-A83
B6-003	Ell To Pipe Circ Seam	C5.21.3					100	PT	NA				LPI-A84
B6-003	Ell To Pipe Circ Seam	C5.21.3					100	PT	40846				LPI-A84
B6-004	Pipe To Ell Circ Seam	C5.21.4					100	UT	NA				LPI-A85
B6-004	Pipe To Ell Circ Seam	C5.21.4					100	UT	40846				LPI-A85
B6-005	Ell To Pipe Circ Seam	C5.21.5					100	PT	NA				LPI-A86
B6-005	Ell To Pipe Circ Seam	C5.21.5					100	PT	40846				LPI-A86
B6-006	Pipe To Ell Circ Seam	C5.21.6					100	UT	NA				LPI-A87
B6-006	Pipe To Ell Circ Seam	C5.21.6					100	UT	40846				LPI-A87
B6-006AB	Ell Long Seams	C5.22.1					100	PT	NA				LPI-A87L
B6-006AB	Ell Long Seams	C5.22.1					100	PT	40846				LPI-A87L
B6-007	Ell To Pipe Circ Seam	C5.21.7					100	PT	NA				LPI-A88
B6-007	Ell To Pipe Circ Seam	C5.21.7					100	PT	40846				LPI-A88
B6-008	Pipe To Ell Circ Seam	C5.21.8					100	UT	NA				LPI-A89
B6-008	Pipe To Ell Circ Seam	C5.21.8					100	UT	40846				LPI-A89
B6-009	Ell To Pipe Circ Seam	C5.21.9					100	PT	NA				LPI-A90
B6-009	Ell To Pipe Circ Seam	C5.21.9					100	PT	40846				LPI-A90
B6-010	Pipe To Tee Circ Seam	C5.21.10					100	UT	NA				LPI-A91
B6-010	Pipe To Tee Circ Seam	C5.21.10					100	UT	40846				LPI-A91
B6-011	Tee To Ell Circ Seam	C5.21.11					100	PT	NA				LPI-A92
B6-011	Tee To Ell Circ Seam	C5.21.11					100	PT	40846				LPI-A92
B6-012	Ell To Pipe Circ Seam	C5.21.12					100	UT	NA				LPI-A93
B6-012	Ell To Pipe Circ Seam	C5.21.12					100	UT	40846				LPI-A93
B6-013	Pipe To Ell Circ Seam	C5.21.13					100	PT	NA				LPI-A94
B6-013	Pipe To Ell Circ Seam	C5.21.13					100	PT	40846				LPI-A94
B6-014	Ell To Pipe Circ Seam	C5.21.14					100	UT	NA				LPI-A95
B6-014	Ell To Pipe Circ Seam	C5.21.14					100	UT	40846				LPI-A95
B6-015	Pipe To Ell Circ Seam	C5.21.15					100	PT	NA				LPI-A96
B6-015	Pipe To Ell Circ Seam	C5.21.15					100	PT	40846				LPI-A96
B6-016	Ell To Pipe Circ Seam	C5.21.16					100	PT	NA				LPI-A97
B6-016	Ell To Pipe Circ Seam	C5.21.16					100	PT	40846				LPI-A97

PROGRAM PLAN AND SCHEDULE

FORM ENG-011

ANO-UNIT-ONE

ZONE- 36

COMPONENT DESCRIPTION

PIPING PRESSURE BOUNDARY

LPI PENETRATIONS TO CORE FLOOD

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
36-016	Fill To Pipe Circ Seam	C5.21.16					100	UT	40846				LPI-A97
36-017	Pipe To Ell Circ Seam	C5.21.17					100	PT	NA				LPI-A98
36-017	Pipe To Ell Circ Seam	C5.21.17					100	UT	40846				LPI-A98
36-017AB	Fill Long Seams	C5.22.2					100	PT	NA				LPI-A98L
36-017AB	Fill Long Seams	C5.22.2					100	UT	40846				LPI-A98L
36-018	Fill To Pipe Circ Seam	C5.21.18				8	100	PT	NA		X	X	LPI-A99
36-018	Fill To Pipe Circ Seam	C5.21.18				8	100	UT	40846		X	X	LPI-A99
36-019	Pipe To Ell Circ Seam	C5.21.19					100	PT	NA				LPI-A100
36-019	Pipe To Ell Circ Seam	C5.21.19					100	UT	40846				LPI-A100
36-020	Fill To Pipe Circ Seam	C5.21.20					100	PT	NA				LPI-A101
36-020	Fill To Pipe Circ Seam	C5.21.20					100	UT	40843				LPI-A101
36-021	Pipe To Ell Circ Seam	C5.21.21					100	PT	NA				LPI-A102
36-021	Pipe To Ell Circ Seam	C5.21.21					100	UT	40843		X	X	LPI-A102
36-022	Fill To Pipe Circ Seam	C5.21.22				9	100	PT	NA		X	X	LPI-A103
36-022	Fill To Pipe Circ Seam	C5.21.22				9	100	UT	40843		X	X	LPI-A103
36-023	Pipe To Ell Circ Seam	C5.21.23					100	PT	NA				LPI-A104
36-023	Pipe To Ell Circ Seam	C5.21.23					100	UT	40843				LPI-A104
36-024	Fill To Pipe Circ Seam	C5.21.24					100	PT	NA				LPI-A105
36-024	Fill To Pipe Circ Seam	C5.21.24					100	UT	40843				LPI-A105
36-025	Pipe To Ell Circ Seam	C5.21.25					100	PT	NA				LPI-A106
36-025	Pipe To Ell Circ Seam	C5.21.25					100	UT	40843				LPI-A106
36-026	Fill To Pipe Circ Seam	C5.21.26					100	PT	NA				LPI-A107
36-026	Fill To Pipe Circ Seam	C5.21.26					100	UT	40843				LPI-A107
36-027	Pipe To Ell Circ Seam	C5.21.27					100	PT	NA				LPI-A108
36-027	Pipe To Ell Circ Seam	C5.21.27					100	UT	40843				LPI-A108
36-027AB	Fill Long Seams	C5.22.3					100	PT	NA				LPI-A108L
36-027AB	Fill Long Seams	C5.22.3					100	UT	40843				LPI-A108L
36-028	Fill To Valve Circ Seam	C5.21.28				9	100	PT	NA		X	X	LPI-A109
36-028	Fill To Valve Circ Seam	C5.21.28				9	100	UT	40843		X	X	LPI-A109
36-029	Tee To Ell Circ Seam	C5.21.29					100	PT	NA				LPI-A110
36-029	Tee To Ell Circ Seam	C5.21.29					100	UT	40843				LPI-A110
36-030	Fill To Ell Circ Seam	C5.21.30					100	PT	NA				LPI-A111
36-030	Fill To Ell Circ Seam	C5.21.30					100	UT	40843				LPI-A111

PROGRAM PLAN AND SCHEDULE

ZONE- 36

COMPONENT DESCRIPTION

PIPING PRESSURE BOUNDARY

LPI PENETRATIONS TO CORE FLOOD

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
16-031	Ell To Pipe Circ Seam	45.21.31	CF				100	PT	NA				LPI-A112
16-031	Ell To Pipe Circ Seam	45.21.31	CF				100	UT	40843				LPI-A112
16-031	Ell To Pipe Circ Seam	45.21.31	CF				100	PT	NA				LPI-A113
16-032	Pipe To Ell Circ Seam	45.21.32	CF				100	UT	40843				LPI-A113
16-032	Pipe To Ell Circ Seam	45.21.32	CF				100	PT	NA				LPI-A114
16-032	Pipe To Ell Circ Seam	45.21.32	CF				100	UT	40843				LPI-A114
16-033	Ell To Pipe Circ Seam	45.21.33	CF				100	PT	NA				LPI-A114L
16-033	Ell To Pipe Circ Seam	45.21.33	CF				100	UT	40843				LPI-A114L
16-033AB	Ell Long Seams	45.22.4	CF				100	UT	40843				LPI-A115
16-033AB	Ell Long Seams	45.22.4	CF				100	PT	NA				LPI-A115
16-034	Pipe To Valve Circ Seam	45.21.34	CF				100	UT	40843				LPI-B88
16-034	Pipe To Valve Circ Seam	45.21.34	CF				100	PT	NA				LPI-B88
16-035	Pene. 36 To Pipe Circ Seam	45.21.35	CF				100	UT	40843				LPI-B89
16-035	Pene. 36 To Pipe Circ Seam	45.21.35	CF				100	PT	NA				LPI-B89
16-036	Pipe To Ell Circ Seam	45.21.36	CF				100	UT	40846				LPI-B90
16-036	Pipe To Ell Circ Seam	45.21.36	CF				100	PT	NA				LPI-B90
16-037	Ell To Pipe Circ Seam	45.21.37	CF				100	UT	40846				LPI-B91
16-037	Ell To Pipe Circ Seam	45.21.37	CF				100	PT	NA				LPI-B91
16-038	Pipe To Ell Circ Seam	45.21.38	CF				100	UT	40846				LPI-B92
16-038	Pipe To Ell Circ Seam	45.21.38	CF				100	PT	NA				LPI-B92
16-039	Ell To Pipe Circ Seam	45.21.39	CF				100	UT	40846				LPI-B93
16-039	Ell To Pipe Circ Seam	45.21.39	CF				100	PT	NA				LPI-B93
16-040	Pipe To Ell Circ Seam	45.21.40	CF				100	UT	40846				LPI-B94
16-040	Pipe To Ell Circ Seam	45.21.40	CF				100	PT	NA				LPI-B94
16-041	Ell To Pipe Circ Seam	45.21.41	CF				100	UT	40846				LPI-B95
16-041	Ell To Pipe Circ Seam	45.21.41	CF				100	PT	NA				LPI-B95
16-042	Pipe To Ell Circ Seam	45.21.42	CF				100	UT	40846				LPI-B96
16-042	Pipe To Ell Circ Seam	45.21.42	CF				100	PT	NA				LPI-B96
16-043	tee To Pipe Circ Seam	45.21.43	CF				100	UT	40846				LPI-B97
16-043	tee To Pipe Circ Seam	45.21.43	CF				100	PT	NA				LPI-B97
16-044	Pipe To Ell Circ Seam	45.21.44	CF				100	UT	40846				LPI-B98
16-044	Pipe To Ell Circ Seam	45.21.44	CF				100	PT	NA				LPI-B98
16-045	Ell To Pipe Circ Seam	45.21.45	CF				100	UT	40846				LPI-B99
16-045	Ell To Pipe Circ Seam	45.21.45	CF				100	PT	NA				LPI-B99
16-046	Pipe To Ell Circ Seam	45.21.46	CF				100	UT	40846				LPI-B99
16-046	Pipe To Ell Circ Seam	45.21.46	CF				100	PT	NA				LPI-B99

PROGRAM PLAN AND SCHEDULE

ZONE - 36

COMPONENT DESCRIPTION

LPI PENETRATIONS TO CORE FLOOD

FORM ENG-011

ANO-UNIT-ONE

PIPING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
16-046	Pipe To Ell Circ Seam	5.21.46					100	UT	40846				LPI-B99
16-047	Ell To Pipe Circ Seam	5.21.47					100	PT	NA				LPI-B100
16-047	Ell To Pipe Circ Seam	5.21.47					100	UT	40846				LPI-B100
16-048	Pipe To Ell Circ Seam	5.21.48					100	PT	NA				LPI-B101
16-048	Pipe To Ell Circ Seam	5.21.48					100	UT	40846				LPI-B101
16-049	Ell To Pipe Circ Seam	5.21.49					100	PT	NA				LPI-B102
16-049	Ell To Pipe Circ Seam	5.21.49					100	UT	40846				LPI-B102
16-050	Pipe To Ell Circ Seam	5.21.50					100	PT	NA				LPI-B103
16-050	Pipe To Ell Circ Seam	5.21.50					100	UT	40846				LPI-B103
16-051	Ell To Pipe Circ Seam	5.21.51					100	PT	NA				LPI-B104
16-051	Ell To Pipe Circ Seam	5.21.51					100	UT	40846				LPI-B104
16-051	Ell To Pipe Circ Seam	5.21.51					100	PT	NA				LPI-B104L
16-051	Ell To Pipe Circ Seam	5.21.51					100	UT	40846				LPI-B104L
16-051AB	Ell Long Seams	5.22.5					100	UT	40846				LPI-B105
16-051AB	Ell Long Seams	5.22.5					100	PT	NA				LPI-B105
16-052	Pipe To Ell Circ Seam	5.21.52					100	UT	40846				LPI-B106
16-052	Pipe To Ell Circ Seam	5.21.52					100	PT	NA				LPI-B106
16-053	Ell To Pipe Circ Seam	5.21.53					100	PT	NA				LPI-B106
16-053	Ell To Pipe Circ Seam	5.21.53					100	UT	40846				LPI-B106
16-054	Pipe To Ell Circ Seam	5.21.54					100	PT	NA				LPI-B107
16-054	Pipe To Ell Circ Seam	5.21.54					100	UT	40846				LPI-B107
16-054	Pipe To Ell Circ Seam	5.21.54					100	PT	NA				LPI-B108
16-054	Pipe To Ell Circ Seam	5.21.54					100	UT	40846				LPI-B108
16-055	Ell To Pipe Circ Seam	5.21.55					100	PT	NA				LPI-B109
16-055	Ell To Pipe Circ Seam	5.21.55					100	UT	40846				LPI-B109
16-055	Ell To Pipe Circ Seam	5.21.55					100	PT	NA				LPI-B109
16-055	Ell To Pipe Circ Seam	5.21.55					100	UT	40846				LPI-B109
16-056	Pipe To Valve Circ Seam	5.21.56					100	PT	NA				LPI-B110
16-056	Pipe To Valve Circ Seam	5.21.56					100	UT	40846				LPI-B110
16-057	Ell To Pipe Circ Seam	5.21.57					100	PT	NA				LPI-E111
16-057	Ell To Pipe Circ Seam	5.21.57					100	UT	40846				LPI-E111
16-058	Pipe To Ell Circ Seam	5.21.58					100	PT	NA				LPI-B112
16-058	Pipe To Ell Circ Seam	5.21.58					100	UT	40846				LPI-B112
16-059	Ell To Pipe Circ Seam	5.21.59					100	PT	NA				LPI-B113
16-059	Ell To Pipe Circ Seam	5.21.59					100	UT	40846				LPI-B113
16-060	Pipe To Valve Circ Seam	5.21.60					100	PT	NA				LPI-B113
16-060	Pipe To Valve Circ Seam	5.21.60					100	UT	40846				LPI-B113
16-061	Restraint DH-182	5.20.1					100	VT-4	NA				SK#2-100
16-062	Spring Hanger DH-183	5.20.2					100	VT-4	NA				SK#2-102

PROGRAM PLAN AND SCHEDULE

ZONE- 36

COMPONENT DESCRIPTION

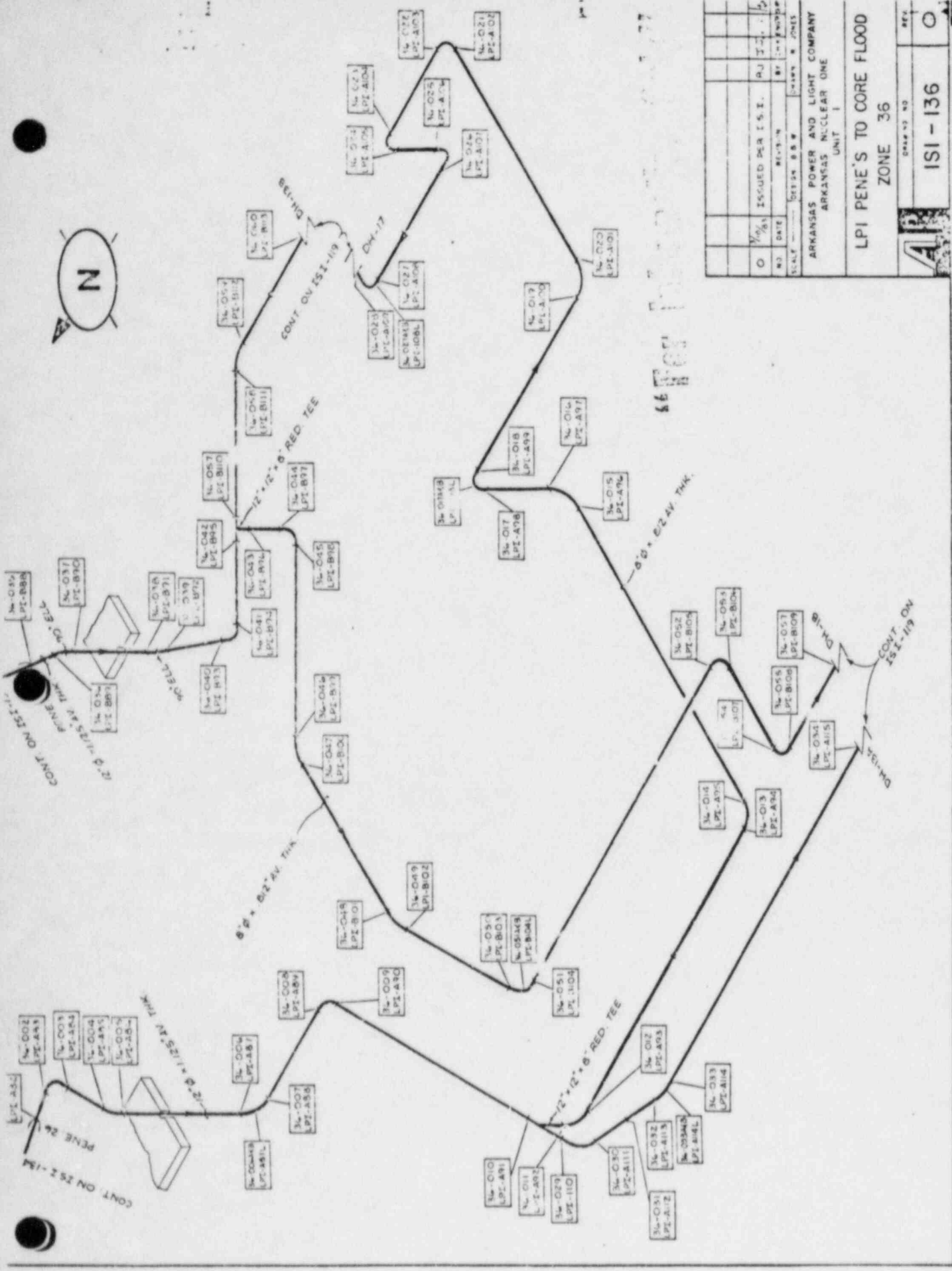
LPI PENETRATIONS TO CORE FLOOD

FORM ENG-011

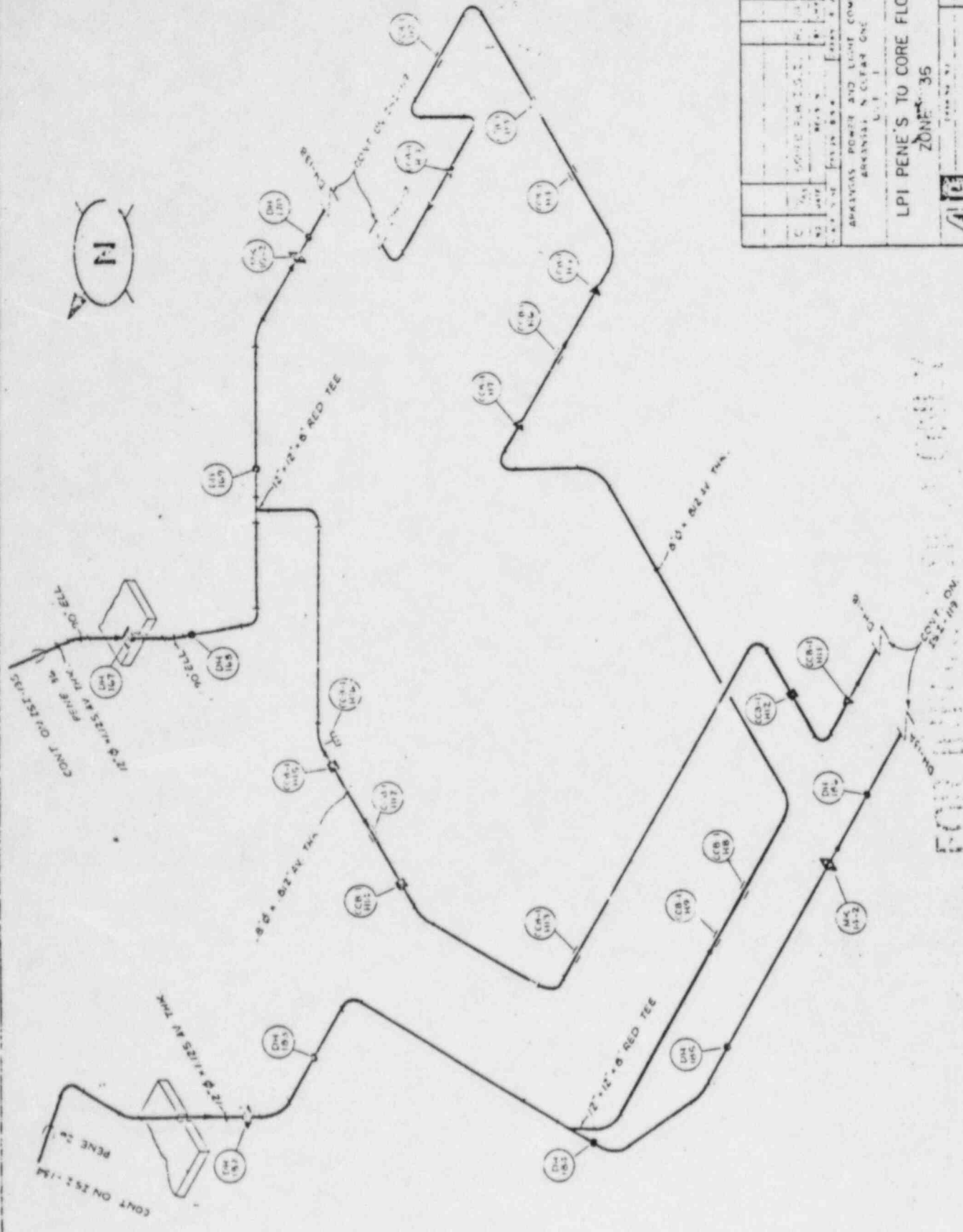
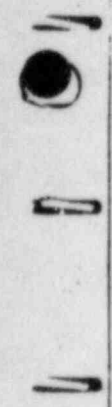
ANO-UNIT-ONE

PIPING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
36-063	Spring Hanger DH-184	CS 40.3					100	VT-4	NA	NA	NA	NA	SK#2-103
36-064	Slide CCB-1-H9	CS 20.4					100	PT MT	NA	X	X	X	SK#2-123
36-065	Slide CCB-1-H8	CS 20.5					100	PT MT	NA	X	X	X	SK#2-122
36-066	Anchor CCB-1-H7	CS 20.6					100	PT MT	NA	X	X	X	SK#2-121
36-067	Slide CCB-1-H6	CS 20.7					100	PT MT	NA	X	X	X	SK#2-120
36-068	Slide CCB-1-H4	CS 20.8					100	PT MT	NA	X	X	X	SK#2-118
36-069	Slide CCB-1-H3	CS 20.9					100	PT MT	NA	X	X	X	SK#2-117
36-070	Anchor CCB-1-H1	CS 20.10					100	PT MT	NA	X	X	X	SK#2-125
36-071	Slide CCB-1-H17	CS 20.11		9			100	PT MT	NA	X	X	X	SK#2-131
36-072	Slide CCB-1-H13	CS 20.12					100	PT MT	NA	X	X	X	SK#2-127
36-073	Anchor CCB-1-H11	CS 20.13					100	PT MT	NA	X	X	X	SK#2-125
36-074	Restraint DH-182	FS 40.1					100	VT-3	NA	NA	NA	NA	SK#2-100
36-075	Spring Hanger DH-183	FS 50.1	8				100	VT-4	NA	NA	NA	NA	SK#2-102
36-076	Spring Hanger DH-184	FS 50.2					100	VT-4	NA	NA	NA	NA	SK#2-103
36-077	Spring Hanger DH-185	FS 50.3					100	VT-4	NA	NA	NA	NA	SK#2-104
36-078	Spring Hanger DH-186	FS 50.4					100	VT-4	NA	NA	NA	NA	SK#2-105
36-079	Slide CCB-1-H9	FS 40.2					100	VT-3	NA	NA	NA	NA	SK#2-123
36-080	Slide CCB-1-H8	FS 40.3					100	VT-3	NA	NA	NA	NA	SK#2-121
36-081	Anchor CCB-1-H7	FS 40.4					100	VT-3	NA	NA	NA	NA	SK#2-120
36-082	Slide CCB-1-H6	FS 40.5					100	VT-3	NA	NA	NA	NA	SK#2-119
36-083	Anchor CCB-1-H5	FS 40.6					100	VT-3	NA	NA	NA	NA	SK#2-118
36-084	Slide CCB-1-H4	FS 40.7					100	VT-3	NA	NA	NA	NA	SK#2-117
36-085	Slide CCB-1-H3	FS 40.8					100	VT-3	NA	NA	NA	NA	SK#2-116
36-086	Slide CCB-1-H2	FS 40.9					100	VT-3	NA	NA	NA	NA	SK#2-115
36-087	Anchor CCB-1-H1	FS 40.10		9			100	VT-3	NA	NA	NA	NA	SK#2-114
36-088	Spring Hanger DH-170	FS 50.5					100	VT-4	NA	NA	NA	NA	SK#2-106
36-089	Spring Hanger DH-169	FS 50.6					100	VT-4	NA	NA	NA	NA	SK#2-108
36-090	Spring Hanger DH-168	FS 50.7					100	VT-4	NA	NA	NA	NA	SK#2-109
36-091	Restraint DH-167	FS 40.11					100	VT-3	NA	NA	NA	NA	SK#2-110
36-092	Hydraulic Snubber CCB-1-H16	FS 50.8		10			100	VT-4	NA	NA	NA	NA	SK#2-130
36-093	Rigid Hanger CCB-1-H15	FS 40.12					100	VT-3	NA	NA	NA	NA	SK#2-129
36-094	Slide CCB-1-H17	FS 40.13					100	VT-3	NA	NA	NA	NA	SK#2-131
36-095	Rigid Hanger CCB-1-H14	FS 40.14					100	VT-3	NA	NA	NA	NA	SK#2-128



ISSUED PER I.S.I.		BY	DATE
SCALE		DESIGN BY	DRYDEN & JONES
ARKANSAS POWER AND LIGHT COMPANY ARKANSAS NUCLEAR ONE UNIT 1			
LPI PENE'S TO CORE FLOOD			ZONE 36
DRAWING NO.			ISI - 136
REV.			0



NO.	DATE	BY	REVISION
1	10/10/50	J. H. S.	REVISED
2	11/15/50	J. H. S.	REVISED
3	12/15/50	J. H. S.	REVISED
4	1/15/51	J. H. S.	REVISED
5	2/15/51	J. H. S.	REVISED
6	3/15/51	J. H. S.	REVISED
7	4/15/51	J. H. S.	REVISED
8	5/15/51	J. H. S.	REVISED
9	6/15/51	J. H. S.	REVISED
10	7/15/51	J. H. S.	REVISED
11	8/15/51	J. H. S.	REVISED
12	9/15/51	J. H. S.	REVISED
13	10/15/51	J. H. S.	REVISED
14	11/15/51	J. H. S.	REVISED
15	12/15/51	J. H. S.	REVISED

APPLICAS POWER AND LIGHT COMPANY
ARKANSAS, N. CLEAR ONE

LPI PENE'S TO CORE FLOOD
ZONE-35

ISI - 136H

FOOTING FOR CORE FLOOD

PROGRAM PLAN AND SCHEDULE

ZONE- 37

COMPONENT DESCRIPTION

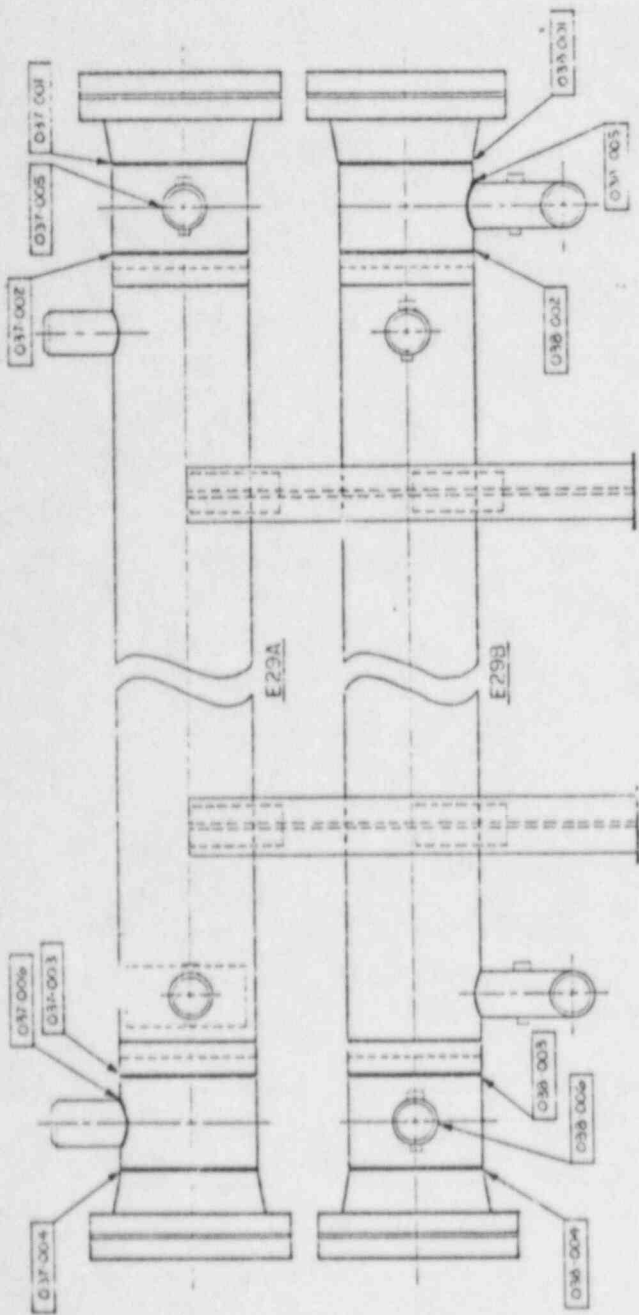
LEITDOWN COOLING HEAT EXCHANGER E29A

FORM ENG-011

ANO-UN IT-ONE

VESSEL PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
37-001	Shell To Flange Circ Seam	B2.51.1	BR 7				100	UT	40810	X	X	X	
37-002	Tubesheet To Shell Circ Seam	B2.51.2	BR 8				100	UT	40810	X	X	X	
37-003	Tubesheet To Shell Circ Seam	B2.51.3	BR 8			11	100	UT	40810	X	X	X	
37-004	Shell To Flange Circ Seam	B2.51.4	BR 8		1D		100	UT	40810	X	X	X	
37-005	Nozzle To Shell Weld	B3.150.1	BR 8				100	UT	40810	X	X	X	
37-006	Nozzle Inside Radius Section	B3.160.1	BR 7				100	UT	40810	X	X	X	
37-007	Nozzle To Shell Weld	B3.160.2	BR 7				100	UT	40810	X	X	X	
37-008	Nozzle Inside Radius Section	B3.150.3	BR 9				100	UT	40810	X	X	X	
37-009	Nozzle To Shell Weld	B3.160.3	BR 9				100	UT	40810	X	X	X	
37-010	Nozzle Inside Radius Section	B3.150.4	BR 9		1D		100	UT	40810	X	X	X	
37-011	Nozzle To Shell Weld	B3.160.4	BR 9		1D		100	UT	40862	X	X	X	All Bolts & Studs
37-012	Nozzle Inside Radius Section	B6.120.1	BR 9				100	VT-1	NA	X	X	X	When Connection Disassembled
37-013	Vessel Bolts & Studs	B6.130.1	BR 9			11	100	VT-1	NA	X	X	X	All Nuts - Bushings & Washers
37-014	Vessel Flange Surface	B6.140.1	BR 9			11	100	MT	NA	X	X	X	When Connection Disassembled
37-015	Vessel Nuts, Bushings, Washers	B6.120.2	BR 9			11	100	VT-2	NA	NA	NA	NA	System Leakage Test
37-016	Vessel Bolts & Studs	B15.40	BR 7	8	9	1D	100	VT-2	NA	NA	NA	NA	System Hydro-Test
37-017	Pressure Retaining Boundary	B15.41	BR 7	8	9	1D	100	VT-2	NA	NA	NA	NA	
37-018	Pressure Retaining Boundary	B15.41	BR 7	8	9	1D	100	VT-2	NA	NA	NA	NA	



NO.	DATE	REVISION	BY	CHKD	DATE
ARKANSAS POWER AND LIGHT COMPANY ARKANSAS NUCLEAR ONE UNIT 1					
LETDOWN COOLING HEAT EXCHANGES E29A & E29B ZONES 378.38					
SCALE	NAME	DESIGN	PROJECT	DATE	
DRAWING NO.					REV.
ISI-137					

PROGRAM PLAN AND SCHEDULE
ZONE- 38
COMPONENT DESCRIPTION
LETDOWN COOLING HEAT EXCHANGER E29A

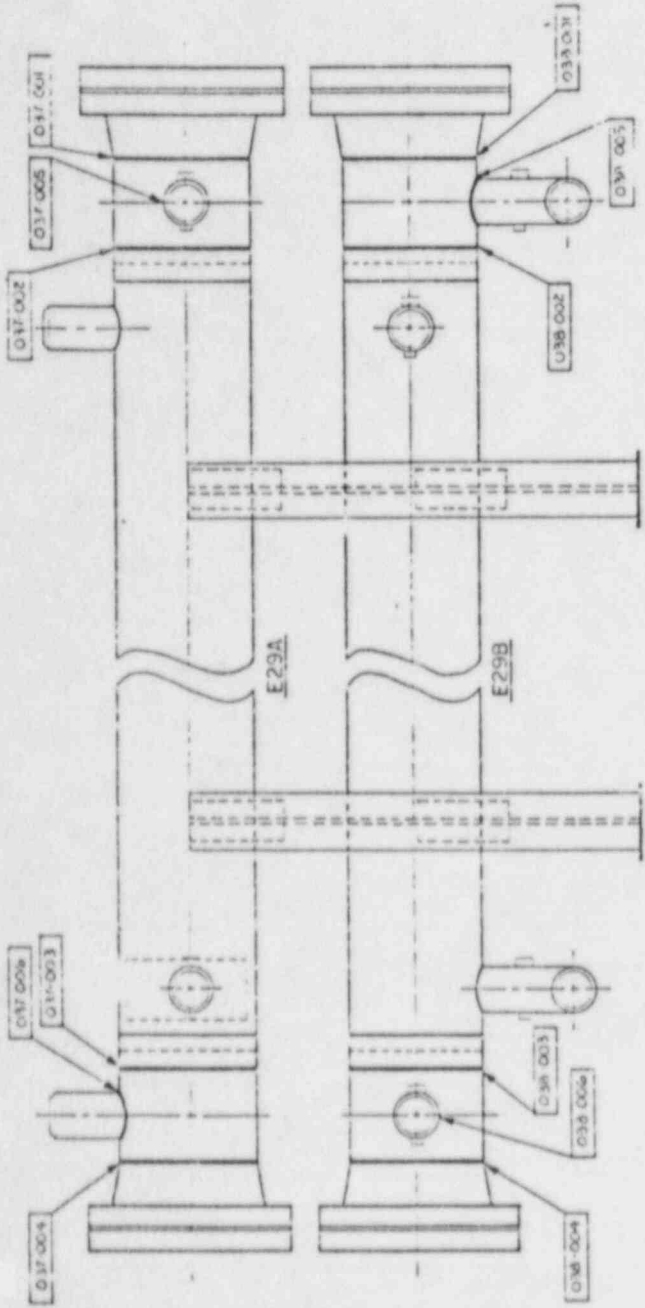
FORM ENG-011

ASO-UNIT-ONE

VESSEL PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
38-001	Shell To Flange Circ Seam	B2.51.1			10		UT	40810					
38-002	Tubesheet To Shell Circ Seam	B2.51.2		9			UT	40810					
38-003	Tubesheet To Shell Circ Seam	B2.51.3		7			UT	40810					
38-004	Shell To Flange Circ Seam	B2.51.4		7			UT	40810					
38-005	Shell To Shell Weld	B3.150.1		9			UT	40810					
38-006	Nozzle Inside Radius Section	B3.150.2		10			UT	40810	X	X	X		
38-007	Nozzle To Shell Weld	B3.150.3		8			UT	40810	X	X	X		
38-008	Nozzle Inside Radius Section	B3.160.2		8			UT	40810	X	X	X		
38-009	Nozzle To Shell Weld	B3.150.3		9			UT	40810	X	X	X		
38-010	Nozzle Inside Radius Section	B3.160.3		9			UT	40810	X	X	X		
38-011	Nozzle To Shell Weld	B3.150.4		10			UT	40810	X	X	X		
38-012	Nozzle Inside Radius Section	B3.160.4		10			UT	40862	X	X	X		
38-013	Vessel Bolts & Studs	B6.120.1		9			VT-1	NA	X	X	X		
38-014	Vessel Flange Surface	B6.130.1		11			VT-1	NA	X	X	X		
38-015	Vessel Nuts, Bushings, Washers	B6.140.1		11			MT	NA	X	X	X		
38-016	Vessel Bolts & Nuts	B6.120.2		11			VT-2	NA	NA	NA	NA		
38-017	Pressure Retaining Boundary	B15.40		7	10		VT-2	NA	NA	NA	NA		
38-018	Pressure Retaining Boundary	B15.41		7	11		VT-2	NA	NA	NA	NA		

All Bolts & Studs
When Connection Disassembled
All Nuts - Bushings, Washers
When Connection Disassembled
System Leakage Test
System Hydro-Test



44 707 77
 1-1

UNIT	NO	DATE	REVISION	BY	DATE
ARKANSAS POWER AND LIGHT COMPANY ARKANSAS NUCLEAR ONE UNIT 1					
LETDOWN COOLING HEAT EXCHANGES E29A & E29B ZONES 37B38					
DRAWING NO ISI-137					REV 0

PROGRAM PLAN AND SCHEDULE

FORM ENG-011

ZONE - 39

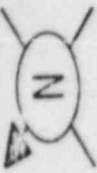
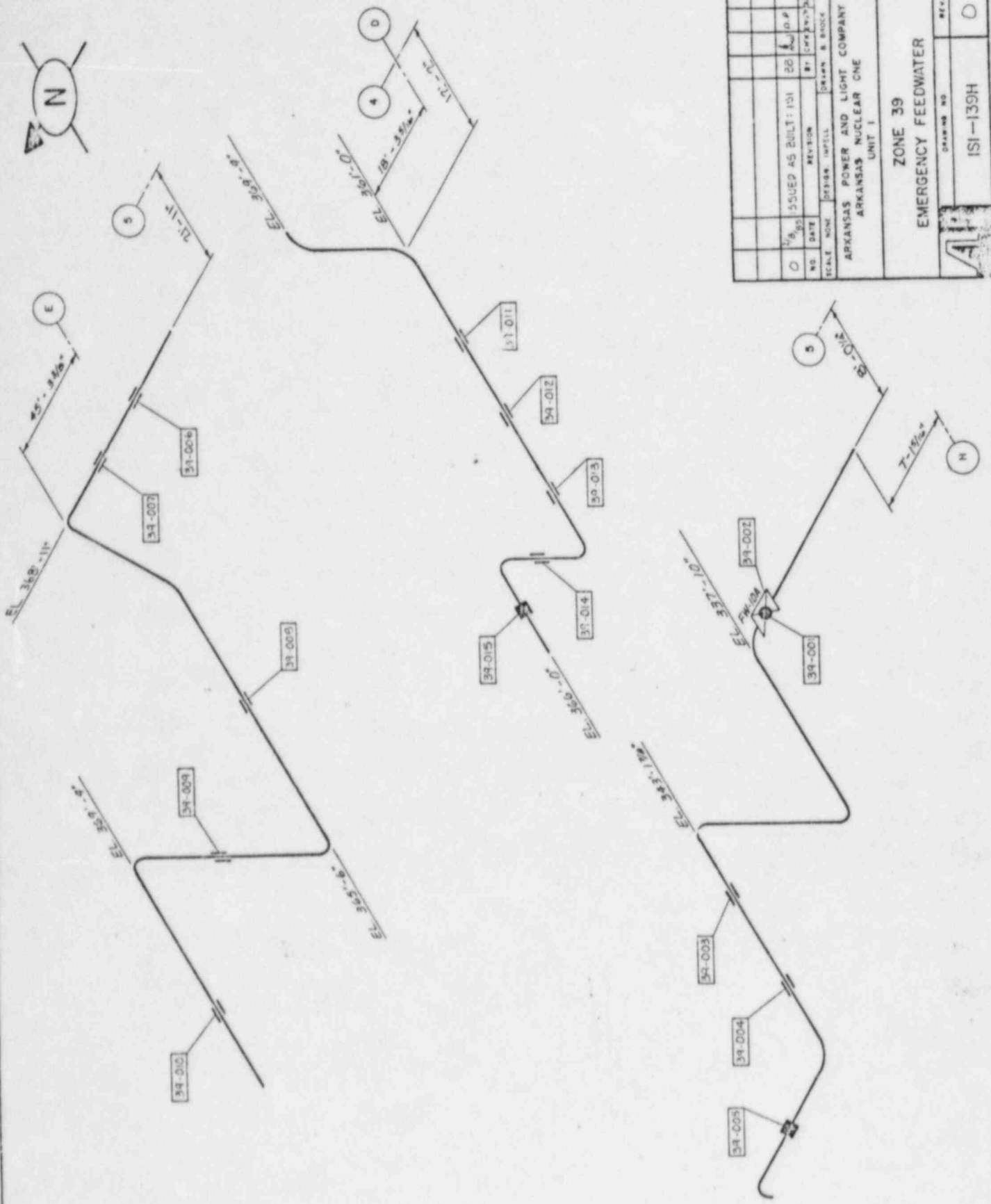
ASO-UNIT-ONE

COMPONENT DESCRIPTION

PIPING PRESSURE BOUNDARY

EMERGENCY FEEDWATER (EFIC) DBD-1-6"

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4				S	I	
89-001	Spring Hanger 3-EFW-109-H5	FC					100	VT-4	NA	NA	NA	SK#3-EFW-109-H5
89-002	1-Way 6" Valve FW-10A	DA					100	VT-2	NA	NA	NA	System Hydro-Test
89-003	Guide 3-EFW-109-H3	FB					100	VT-3	NA	NA	NA	SK#3-EFW-109-H3
89-004	Guide 3-EFW-109-H2	FB					100	VT-3	NA	NA	NA	SK#3-EFW-109-H2
89-005	Rigid Hanger 3-EFW-109-H1	FB					100	VT-3	NA	NA	NA	SK#3-EFW-109-H1
89-006	Guide 3-EFW-116-H12	FB					100	VT-3	NA	NA	NA	SK#3-EFW-116-H12
89-007	Guide 3-EFW-116-H13	FB					100	VT-3	NA	NA	NA	SK#3-EFW-116-H13
89-008	Guide 3-EFW-116-H14	FB					100	VT-3	NA	NA	NA	SK#3-EFW-116-H14
89-009	Guide 3-EFW-116-H15	FB					100	VT-3	NA	NA	NA	SK#3-EFW-116-H15
89-010	Guide 3-EFW-116-H16	FB					100	VT-3	NA	NA	NA	SK#3-EFW-116-H16
89-011	Guide 3-EFW-116-H17	FB					100	VT-3	NA	NA	NA	SK#3-EFW-116-H17
89-012	Guide 3-EFW-116-H18	FB					100	VT-3	NA	NA	NA	SK#3-EFW-116-H18
89-013	Guide 3-EFW-116-H19	FB					100	VT-3	NA	NA	NA	SK#3-EFW-116-H19
89-014	Guide 3-EFW-116-H20	FB					100	VT-3	NA	NA	NA	SK#3-EFW-116-H20
89-015	Rigid Hanger 3-EFW-116-H21	FB					100	VT-3	NA	NA	NA	SK#3-EFW-116-H21
89-016	Pressure Retaining Components	DA					100	VT-2	NA	NA	NA	System Pressure Test
89-017	Pressure Retaining Components	DA					100	VT-2	NA	NA	NA	System Hydro-Test



NO.	DATE	SCALE	NO.	DATE	SCALE
0	1/25/55	AS BUILT	101	20	AS BUILT
1		REVISION	87	08/27/58	DESIGN & BRIDGE

ARKANSAS POWER AND LIGHT COMPANY
 ARKANSAS NUCLEAR ONE
 UNIT 1

ZONE 39
EMERGENCY FEEDWATER

DRAWING NO. ISI-139H
 REF. 0

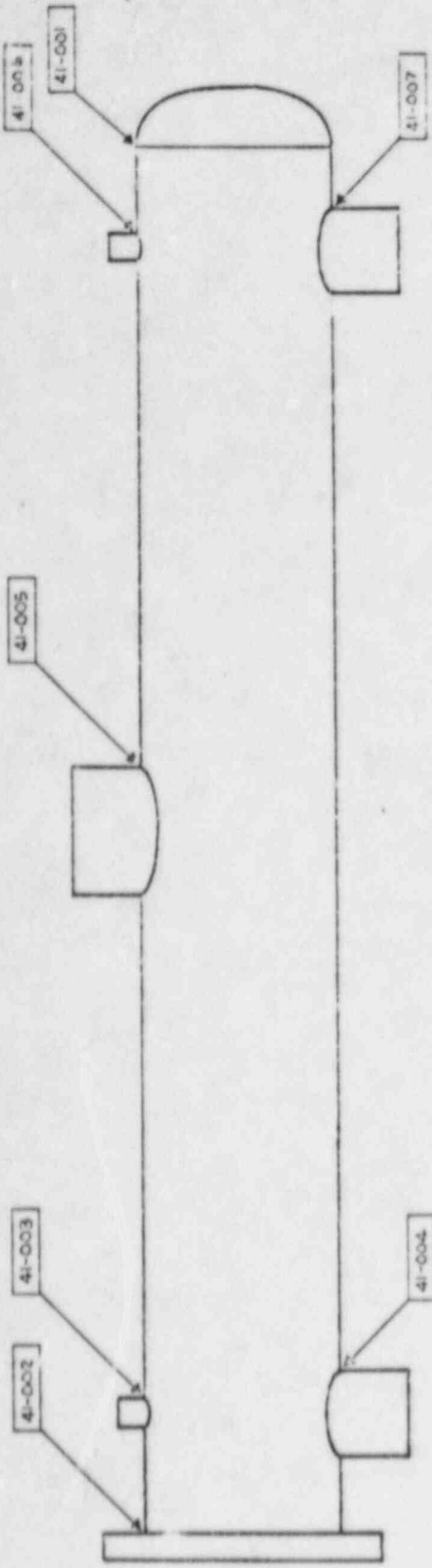
EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
0-001	3-Way Valve 6" FW-10B	B1 10.1					100	VT-2	NA	NA	NA	NA	System Hydro-Test
0-002	Spring Hanger 3-EFW-111-H7	F3 50.1					100	VT-4	NA	NA	NA	NA	SK#3-EFW-111-H7
0-003	Rigid Hanger 3-EFW-111-H5	F2 40.1					100	VT-3	NA	NA	NA	NA	SK#3-EFW-111-H5
0-004	Rigid Hanger 3-EFW-111-H6	F2 40.2					100	VT-3	NA	NA	NA	NA	SK#3-EFW-111-H6
0-005	Spring Hanger 3-EFW-111-E3	F3 50.2					100	VT-4	NA	NA	NA	NA	SK#3-EFW-111-H3
0-006	Rigid Hanger 3-EFW-111-H1	F2 40.3					100	VT-3	NA	NA	NA	NA	SK#3-EFW-111-H1
0-007	Restraint 3-EFW-111-H2	F2 40.4					100	VT-3	NA	NA	NA	NA	SK#3-EFW-111-H2
0-008	Rigid Hanger 3-EFW-111-H4	F2 40.5					100	VT-3	NA	NA	NA	NA	SK#3-EFW-111-H4
0-009	Rigid Hanger 3-EFW-110-H9	F2 40.6					100	VT-3	NA	NA	NA	NA	SK#3-EFW-110-H9
0-010	Spring Hanger 3-EFW-115-H1	F3 50.3					100	VT-4	NA	NA	NA	NA	SK#3-EFW-115-H1
0-011	Pressure Retaining Components	B1 10.2					100	VT-2	NA	NA	NA	NA	System Pressure Test
0-012	Pressure Retaining Components	B1 10.3					100	VT-2	NA	NA	NA	NA	System Hydro-Test

VESSEL PRESSURE BOUNDARY

COMPONENT DESCRIPTION

DECAY HEAT REMOVAL COOLER E35A

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
k1-001	Head To Shell Circ Seam	C1.20.1					100	UT	40810	X	X	X	
k1-002	Shell To Tubesheet Circ Seam	C1.30.1	9				100	UT	40810	X	X	X	
k1-003	Nozzle To Shell Weld	C2.21.1	9				100	PT	NA	X	X	X	
k1-004	Nozzle To Shell Weld	C2.21.1	9				100	UT	40810	X	X	X	
k1-004	Nozzle To Shell Weld	C2.21.2			11		100	PT	NA	X	X	X	
k1-004	Nozzle To Shell Weld	C2.21.2			11		100	UT	40810	X	X	X	
k1-005	Nozzle To Shell Weld	C2.21.3			10		100	PT	NA	X	X	X	
k1-005	Nozzle To Shell Weld	C2.21.3			10		100	UT	40810	X	X	X	
k1-006	Nozzle To Shell Weld	C2.21.4					100	PT	NA	X	X	X	
k1-006	Nozzle To Shell Weld	C2.21.4					100	UT	40810	X	X	X	
k1-007	Nozzle To Shell Weld	C2.21.5	8				100	PT	NA	X	X	X	
k1-007	Nozzle To Shell Weld	C2.21.5	8				100	UT	40810	X	X	X	
k1-008	Kessel Bolts & Studs	C4.10.1		9			100	UT	40862	X	X	X	All Bolts & Studs
k1-009	Nozzle Inside Radius Section	C2.22.1					100	UT	40810	X	X	X	
k1-010	Nozzle Inside Radius Section	C2.22.2			11		100	UT	40810	X	X	X	
k1-011	Nozzle Inside Radius Section	C2.22.3				10	100	UT	40810	X	X	X	
k1-012	Nozzle Inside Radius Section	C2.22.4				8	100	UT	40810	X	X	X	
k1-013	Nozzle Inside Radius Section	C2.22.5				11	100	PT	NA	X	X	X	
k1-014	Support Saddle To Shell West	C3.10.1				11	100	PT	NA	X	X	X	
k1-015	Support Saddle To Shell South	C3.10.2				11	100	PT	NA	X	X	X	
k1-016	Pressure Retaining Boundary	C7.10.1	8	9	10		100	VT-2	NA	NA	NA	NA	Pressure Retaining Boundary
k1-017	Pressure Retaining Boundary	C7.20.1				11	100	VT-2	NA	NA	NA	NA	Pressure Retaining Boundary
k1-018	Support Saddle To Shell West	F1.10.1				11	100	VT-3	NA	X	X	X	
k1-019	Support Saddle To Shell South	F1.30.2				11	100	VT-3	NA	X	X	X	



DECAY HEAT COOL FR E-35A

NO.	DATE	ISSUED PER	BY	BY	DATE
		ISI	ISI		
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

ARKANSAS POWER AND LIGHT COMPANY
 ARKANSAS NUCLEAR ONE
 UNIT 1

DECAY HEAT COOLER E-35A
 ZONE 41

ISSUED NO. ISI-141

REV. 0

PROGRAM PLAN AND SCHEDULE

FORM ENG-011

ZONE- 42

ASO-UNIT-ONE

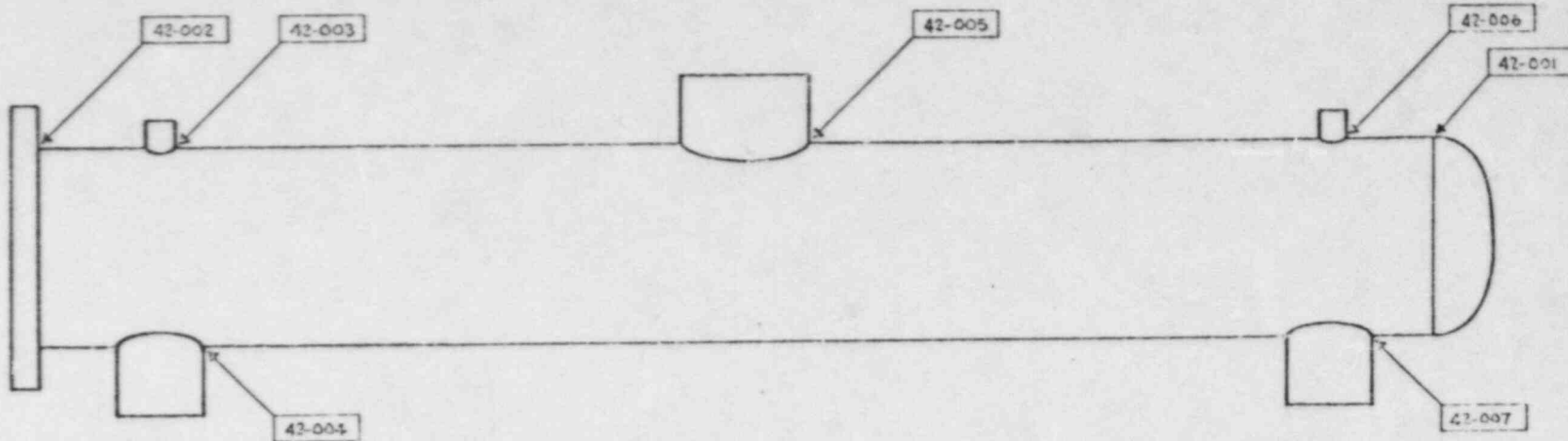
CLASS-2

COMPONENT DESCRIPTION

VESSEL PRESSURE BOUNDARY

DECAY HEAT REMOVAL COOLER E35B

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
42-001	Head To Shell Circ Seam	C1.20.1					100	UT	40810				All NDE Exams Will Be Performed On DHR Cir E35B
42-002	Shell To Jacket Circ Seam	C1.30.1					100	UT	40810				
42-003	Nozzle To Shell Weld	C2.21					100	PT	NA				
42-004	Nozzle To Shell Weld	C2.21					100	UT	40810				
42-005	Nozzle To Shell Weld	C2.21					100	PT	NA				
42-006	Nozzle To Shell Weld	C2.21					100	UT	40810				
42-007	Nozzle To Shell Weld	C2.21					100	PT	NA				
42-008	Nozzle To Shell Weld	C2.21					100	UT	40810				
42-009	Nozzle To Shell Weld	C2.21					100	PT	NA				
42-010	Nozzle To Shell Weld	C2.21					100	UT	40810				
42-011	Nozzle To Shell Weld	C2.21					100	PT	NA				
42-012	Nozzle To Shell Weld	C2.21					100	UT	40810				
42-013	Vessel Flange & Studs	C4.10.1					100	UT	40862				
42-014	Nozzle Inside Radius Section	C5.22.1					100	UT	40810				
42-015	Nozzle Inside Radius Section	C5.22.2					100	UT	40810				
42-016	Nozzle Inside Radius Section	C5.22.3					100	UT	40810				
42-017	Nozzle Inside Radius Section	C5.22.4					100	UT	40810				
42-018	Nozzle Inside Radius Section	C5.22.5					100	PT	NA				
42-019	Support Saddle To Shell	C3.10.1					100	PT	NA				
42-020	Support Saddle To Shell	C3.10.2					100	VT-2	NA	NA	NA	Pressure Retaining Boundary	
42-021	Support Saddle To Shell	C7.10			X		100	VT-2	NA	NA	NA	Pressure Retaining Boundary	
42-022	Pressure Retaining Boundary	C7.11					100	VT-3	NA	NA	NA		
42-023	Pressure Retaining Boundary	F1.30.1					100	VT-3	NA	NA	NA		
42-024	Support Saddle To Shell	F1.30.2					100	VT-3	NA	NA	NA		



DECAY HEAT COOLER E-35B

"For Information Only"

0	4-18-69	ISSUED PER I.S.I.	G.R.	20	9
NO	DATE	REVISION	BY	CHK#	
SCALE	NOTE	DESIGN	APPL	DRAWN	
				GARY BOYER	
ARKANSAS POWER AND LIGHT COMPANY ARKANSAS NUCLEAR ONE UNIT 1					
DECAY HEAT COOLER E-35B ZONE 42					
DRAWING NO.			REV.		
ISI-142			0		

PROGRAM PLAN AND SCHEDULE

ZONE-43

COMPONENT DESCRIPTION

1A RCP AND MOTOR FLYWHEEL

FORM ENG-011

ANO-UNIT-ONE

PUMP PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
43-S-016	Pump Stud #1	66.180.1	BG1				100	UT	40860				Inplace
43-S-017	Pump Stud #2	66.180.2	BG1				100	UT	40860				Inplace
43-S-018	Pump Stud #3	66.180.3	BG1				100	UT	40860				Inplace
43-S-019	Pump Stud #4	66.180.4	BG1				100	UT	40860				Inplace
43-S-020	Pump Stud #5	66.180.5	BG1				100	UT	40860				Inplace
43-S-021	Pump Stud #6	66.180.6	BG1				100	UT	40860				Inplace
43-S-022	Pump Stud #7	66.180.7	BG1				100	UT	40860				Inplace
43-S-023	Pump Stud #8	66.180.8	BG1				100	UT	40860				Inplace
43-S-024	Pump Stud #9	66.180.9	BG1				100	UT	40860				Inplace
43-S-025	Pump Stud #10	66.180.10	BG1				100	UT	40860				Inplace
43-S-026	Pump Stud #11	66.180.11	BG1				100	UT	40860				Inplace
43-S-027	Pump Stud #12	66.180.12	BG1				100	UT	40860				Inplace
43-S-028	Pump Stud #13	66.180.13	BG1				100	UT	40860				Inplace
43-S-029	Pump Stud #14	66.180.14	BG1				100	UT	40860				Inplace
43-S-030	Pump Stud #15	66.180.15	BG1				100	UT	40860				Inplace
43-S-031	Pump Stud #16	66.180.16	BG1				100	UT	40860				Removed
43-S-032	Pump Stud #1	66.180.17	BG1				100	UT	40860				Removed
43-S-033	Pump Stud #2	66.180.18	BG1				100	UT	40860				Removed
43-S-034	Pump Stud #3	66.180.19	BG1				100	UT	40860				Removed
43-S-035	Pump Stud #4	66.180.20	BG1				100	UT	40860				Removed
43-S-036	Pump Stud #5	66.180.21	BG1				100	UT	40860				Removed
43-S-037	Pump Stud #6	66.180.22	BG1				100	UT	40860				Removed
43-S-038	Pump Stud #7	66.180.23	BG1				100	UT	40860				Removed
43-S-039	Pump Stud #8	66.180.24	BG1				100	UT	40860				Removed
43-S-040	Pump Stud #9	66.180.25	BG1				100	UT	40860				Removed
43-S-041	Pump Stud #10	66.180.26	BG1				100	UT	40860				Removed
43-S-042	Pump Stud #11	66.180.42	BG1				100	UT	40860				Removed
43-S-043	Pump Stud #12	66.180.43	BG1				100	UT	40860				Removed
43-S-044	Pump Stud #13	66.180.44	BG1				100	UT	40860				Removed
43-S-045	Pump Stud #14	66.180.45	BG1				100	UT	40860				Removed
43-S-046	Pump Stud #15	66.180.46	BG1				100	UT	40860				Removed
43-S-047	Pump Stud #16	66.180.47	BG1				100	UT	40860				Removed
43-001	Upper Scroll Weld	B12.10.1	B11				100	RT	NA	X	X	X	

FORM ENG-011

ANO-UNIT-ONE

PUMP PRESSURE BOUNDARY

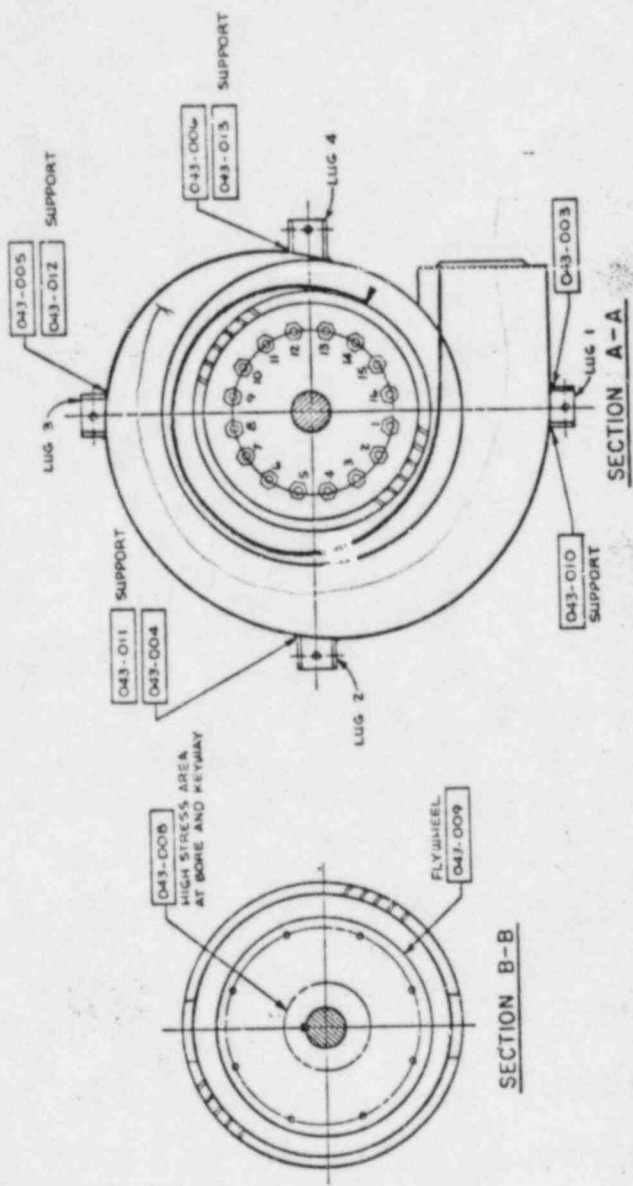
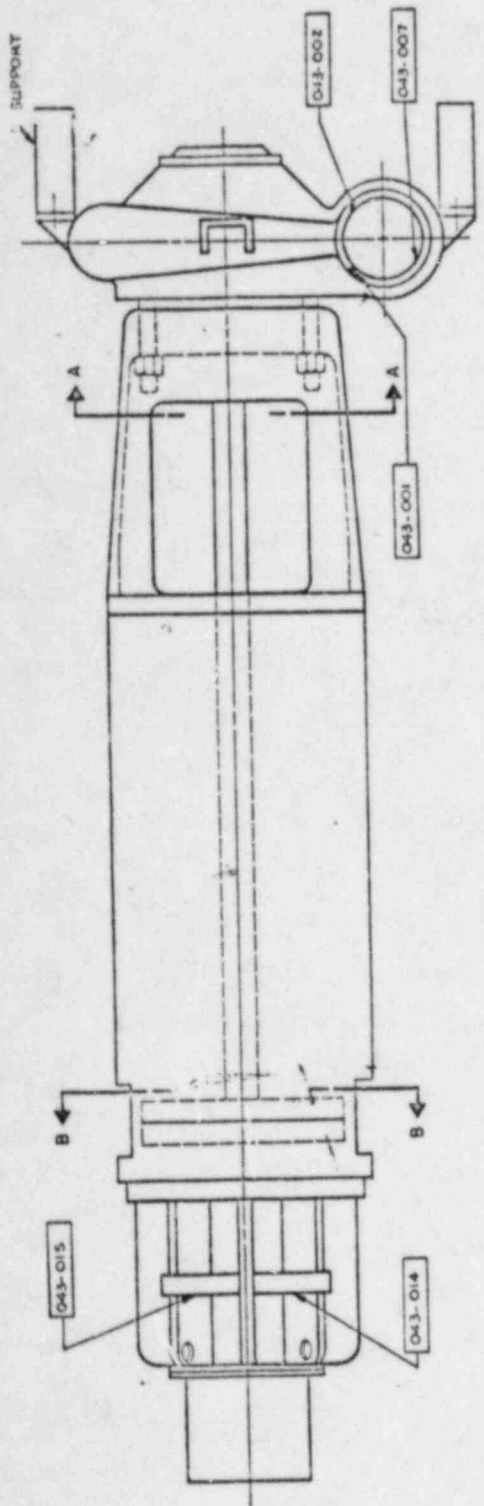
PROGRAM PLAN AND SCHEDULE

ZONE- 43

COMPONENT DESCRIPTION

1A RCP AND MOTOR FLYWHEEL

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
43-002	Lower Scroll Weld	B12.10.2 BK1					100	RT PT	NA	X	X	X	
43-003	Support Lug #1	B10.20.1 BK1					100	UT	NA				
43-004	Support Lug #2	B10.20.2 BK1					100	UT PT	NA				
43-005	Support Lug #3	B10.20.3 BK1					100	UT PT	NA				
43-006	Support Lug #4	B10.20.4 BK1					100	UT PT	NA				
43-007	Pump Casing	B12.20.1 BL2					100	AE	NA				Internal Press Boundary Surfaces
43-008	Motor Flywheel-Bore & Keyway						100	AE	NA				Per. Tech. Spec. 4.26
43-009	Motor Flywheel-Entire Flywheel						100	AE	NA				Per. Tech. Spec. 4.26
43-010	Pump Support #1	F-2					100	VT-3	NA				
43-011	Pump Support #2	F-2					100	VT-3	NA				
43-012	Pump Support #3	F-2					100	VT-3	NA				
43-013	Pump Support #4	F-2					100	VT-3	NA				
43-014	Seismic Support-Left Side	F-2					100	VT-3	NA				
43-015	Seismic Support-Right Side	F-2					100	VT-3	NA				
43-048	Pressure Retaining Boundary	B15.60 BP	X	X	X	X	100	VT-2	NA	NA	NA	NA	Internal Press Boundary Surfaces
43-049	Pressure Retaining Boundary	B15.61 BP	X	X	X	X	100	VT-2	NA	NA	NA	NA	Per. Tech. Spec. 4.26



NO	DATE	ISSUED PER I.S. I	REVISION	DESIGN	C.E.	BY	CHKD
0	5/16	RJ				CRANN	W. JONES
SCALE: NONE ARKANSAS POWER AND LIGHT COMPANY ARKANSAS NUCLEAR ONE UNIT 1 REACTOR COOLANT PUMP IA ZONE 43							
DRAWING NO.						REV.	
ISI - 143						O	

PROGRAM PLAN AND SCHEDULE

ZONE - 44

COMPONENT DESCRIPTION

1B RCP AND MOTOR FLYWHEEL

FORM ENG-011

ANO-UNIT-ONE

PUMP PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WF	
k4-S-016	Pump Stud #1	B6.180.1	BG1				100	UT	40860				Inplace
k4-S-017	Pump Stud #2	B6.180.2	BG1				100	UT	40860				Inplace
k4-S-018	Pump Stud #3	B6.180.3	BG1				100	UT	40860				Inplace
k4-S-019	Pump Stud #4	B6.180.4	BG1				100	UT	40860				Inplace
k4-S-020	Pump Stud #5	B6.180.5	BG1				100	UT	40860				Inplace
k4-S-021	Pump Stud #6	B6.180.6	BG1				100	UT	40860				Inplace
k4-S-022	Pump Stud #7	B6.180.7	BG1				100	UT	40860				Inplace
k4-S-023	Pump Stud #8	B6.180.8	BG1				100	UT	40860				Inplace
k4-S-024	Pump Stud #9	B6.180.9	BG1				100	UT	40860				Inplace
k4-S-025	Pump Stud #10	B6.180.10	BG1				100	UT	40860				Inplace
k4-S-026	Pump Stud #11	B6.180.11	BG1				100	UT	40860				Inplace
k4-S-027	Pump Stud #12	B6.180.12	BG1				100	UT	40860				Inplace
k4-S-028	Pump Stud #13	B6.180.13	BG1				100	UT	40860				Inplace
k4-S-029	Pump Stud #14	B6.180.14	BG1				100	UT	40860				Inplace
k4-S-030	Pump Stud #15	B6.180.15	BG1				100	UT	40860				Removed
k4-S-031	Pump Stud #16	B6.180.16	BG1				100	UT	40860				Removed
k4-S-032	Pump Stud #1	B6.180.17	BG1				100	UT	40860				Removed
k4-S-033	Pump Stud #2	B6.180.18	BG1				100	UT	40860				Removed
k4-S-034	Pump Stud #3	B6.180.19	BG1				100	UT	40860				Removed
k4-S-035	Pump Stud #4	B6.180.20	BG1				100	UT	40860				Removed
k4-S-036	Pump Stud #5	B6.180.21	BG1				100	UT	40860				Removed
k4-S-037	Pump Stud #6	B6.180.22	BG1				100	UT	40860				Removed
k4-S-038	Pump Stud #7	B6.180.23	BG1				100	UT	40860				Removed
k4-S-039	Pump Stud #8	B6.180.24	BG1				100	UT	40860				Removed
k4-S-040	Pump Stud #9	B6.180.25	BG1				100	UT	40860				Removed
k4-S-041	Pump Stud #10	B6.180.26	BG1				100	UT	40860				Removed
k4-S-042	Pump Stud #11	B6.180.27	BG1				100	UT	40860				Removed
k4-S-043	Pump Stud #12	B6.180.28	BG1				100	UT	40860				Removed
k4-S-044	Pump Stud #13	B6.180.29	BG1				100	UT	40860				Removed
k4-S-045	Pump Stud #14	B6.180.30	BG1				100	UT	40860				Removed
k4-S-046	Pump Stud #15	B6.180.31	BG1				100	UT	40860				Removed
k4-S-047	Pump Stud #16	B6.180.32	BG1				100	UT	40860				Removed
k4-001	Upper Scroll Weld	B12.10.1	EL17				100	RT PT	NA				

PROGRAM PLAN AND SCHEDULE

ZONE - 44

COMPONENT DESCRIPTION

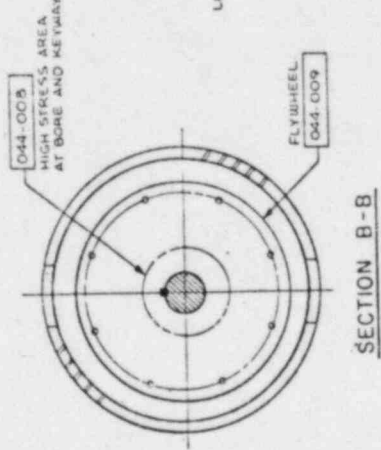
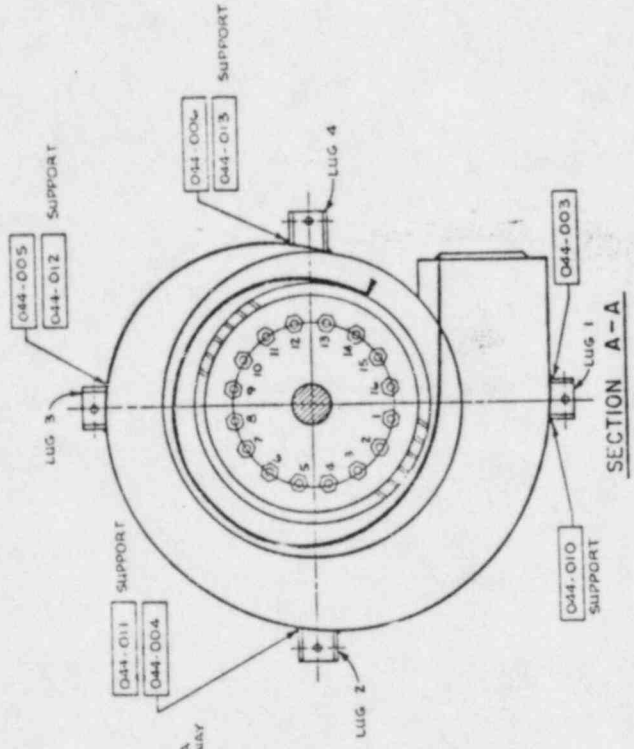
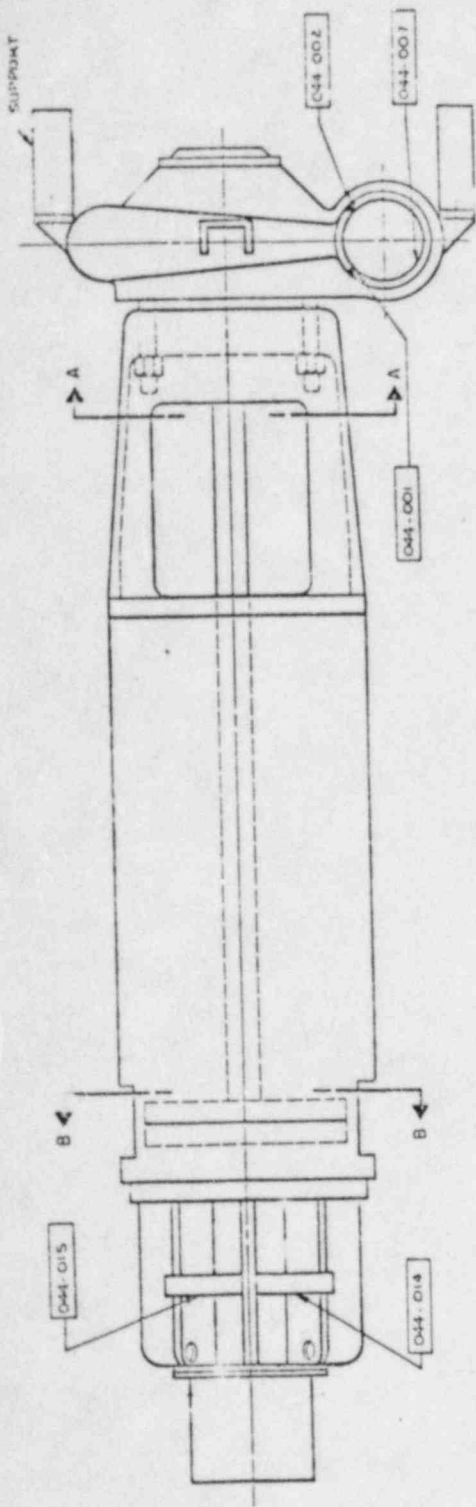
1B RCP AND MOTOR FLYWHEEL

FORM ENG-011

ANO-UNIT-ONE

PUMP PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS	
			1	2	3	4				S	I	WP		
K4-002	Lower Scroll Weld	B12.10.2					100	RT	PT	NA				
K4-003	Support Lug #1	B10.20.1					100	UT	PT	NA				
K4-004	Support Lug #2	B10.20.2					100	UT	PT	NA				
K4-005	Support Lug #3	B10.20.3					100	UT	PT	NA				
K4-006	Support Lug #4	B10.20.4					100	UT	PT	NA				
K4-007	Pump Casing	B12.20.1					100	VT-3	NA	NA				Internal Pressure Boundary Surface (Relief Req.) Per Tech. Spec. 4.26
K4-008	Motor Flywheel-Bore & Keyway						100	AE	AE	NA				Per Tech. Spec. 4.26
K4-009	Motor Flywheel-Entire Flywheel						100	AE	AE	NA				
K4-010	Pump Support #1	F-2					100	VT-3	NA	NA				
K4-011	Pump Support #2	F-2					100	VT-3	NA	NA				
K4-012	Pump Support #3	F-2					100	VT-3	NA	NA				
K4-013	Pump Support #4	F-2					100	VT-3	NA	NA				
K4-014	Seismic Support-Left Side	F-2					100	VT-3	NA	NA				
K4-015	Seismic Support-Right Side	F-2					100	VT-3	NA	NA				
K4-048	Pressure Retaining Boundary	B1.60		8	9	10	100	VT-2	NA	NA	NA	NA	NA	System Leakage Test
K4-049	Pressure Retaining Boundary	B15.61					100	VT-2	NA	NA	NA	NA	NA	System Hydrotest



NO.	DATE	SCALE	NOTE	DESIGNER	CHECKER	APPROVER
0	5/1	AS SHOWN PER 1:5		J. J. [unclear]	B. [unclear]	J. [unclear]
ARKANSAS POWER AND LIGHT COMPANY ARKANSAS NUCLEAR ONE UNIT 1 REACTOR COOLANT PUMP IA ZONE 44						
ISI - 144						O

PROGRAM PLAN AND SCHEDULE

ZONE - 42

COMPONENT DESCRIPTION

2A RCP AND MOTOR FLYWHEEL

FORM ENG-011

AKO-UNIT-ONE

PUMP PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
45-S-016	Pump Stud #1	36.180.1	BG1				100	UT	40860				Inplace
45-S-017	Pump Stud #2	36.180.2	BG1				100	UT	40860				Inplace
45-S-018	Pump Stud #3	36.180.3	BG1				100	UT	40860				Inplace
45-S-019	Pump Stud #4	36.180.4	BG1				100	UT	40860				Inplace
45-S-020	Pump Stud #5	36.180.5	BG1				100	UT	40860				Inplace
45-S-021	Pump Stud #6	36.180.6	BG1				100	UT	40860				Inplace
45-S-022	Pump Stud #7	36.180.7	BG1				100	UT	40860				Inplace
45-S-023	Pump Stud #8	36.180.8	BG1				100	UT	40860				Inplace
45-S-024	Pump Stud #9	36.180.9	BG1				100	UT	40860				Inplace
45-S-025	Pump Stud #10	36.180.10	BG1				100	UT	40860				Inplace
45-S-026	Pump Stud #11	36.180.11	BG1				100	UT	40860				Inplace
45-S-027	Pump Stud #12	36.180.12	BG1				100	UT	40860				Inplace
45-S-028	Pump Stud #13	36.180.13	BG1				100	UT	40860				Inplace
45-S-029	Pump Stud #14	36.180.14	BG1				100	UT	40860				Inplace
45-S-030	Pump Stud #15	36.180.15	BG1				100	UT	40860				Inplace
45-S-031	Pump Stud #16	36.180.16	BG1				100	UT	40860				Removed
45-S-032	Pump Stud #1	36.180.17	BG1				100	UT	40860				Removed
45-S-033	Pump Stud #2	36.180.18	BG1				100	UT	40860				Removed
45-S-034	Pump Stud #3	36.180.19	BG1				100	UT	40860				Removed
45-S-035	Pump Stud #4	36.180.20	BG1				100	UT	40860				Removed
45-S-036	Pump Stud #5	36.180.21	BG1				100	UT	40860				Removed
45-S-037	Pump Stud #6	36.180.22	BG1				100	UT	40860				Removed
45-S-038	Pump Stud #7	36.180.23	BG1				100	UT	40860				Removed
45-S-039	Pump Stud #8	36.180.24	BG1				100	UT	40860				Removed
45-S-040	Pump Stud #9	36.180.25	BG1				100	UT	40860				Removed
45-S-041	Pump Stud #10	36.180.26	BG1				100	UT	40860				Removed
45-S-042	Pump Stud #11	36.180.27	BG1				100	UT	40860				Removed
45-S-043	Pump Stud #12	36.180.28	BG1				100	UT	40860				Removed
45-S-044	Pump Stud #13	36.180.29	BG1				100	UT	40860				Removed
45-S-045	Pump Stud #14	36.180.30	BG1				100	UT	40860				Removed
45-S-046	Pump Stud #15	36.180.31	BG1				100	UT	40860				Removed
45-S-047	Pump Stud #16	36.180.32	BG1				100	UT	40860				Removed
45-001	Upper Scroll Weld	B12.10.1	B1.1				100	RT-PT	NA				NA

PROGRAM PLAN AND SCHEDULE

ZONE - 45

COMPONENT DESCRIPTION

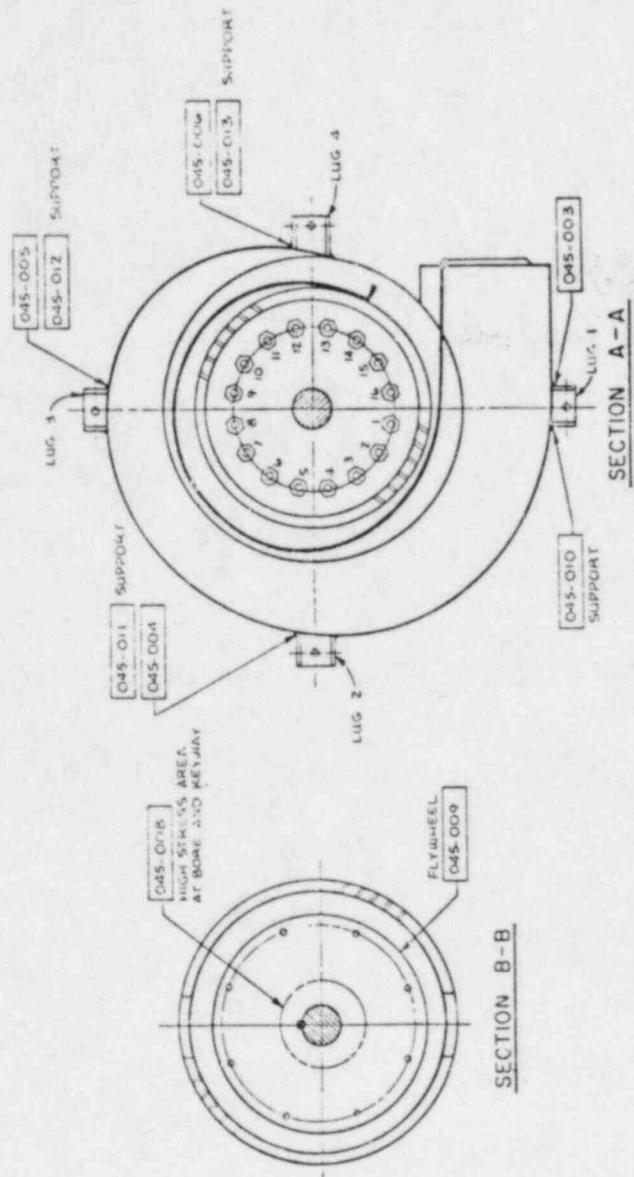
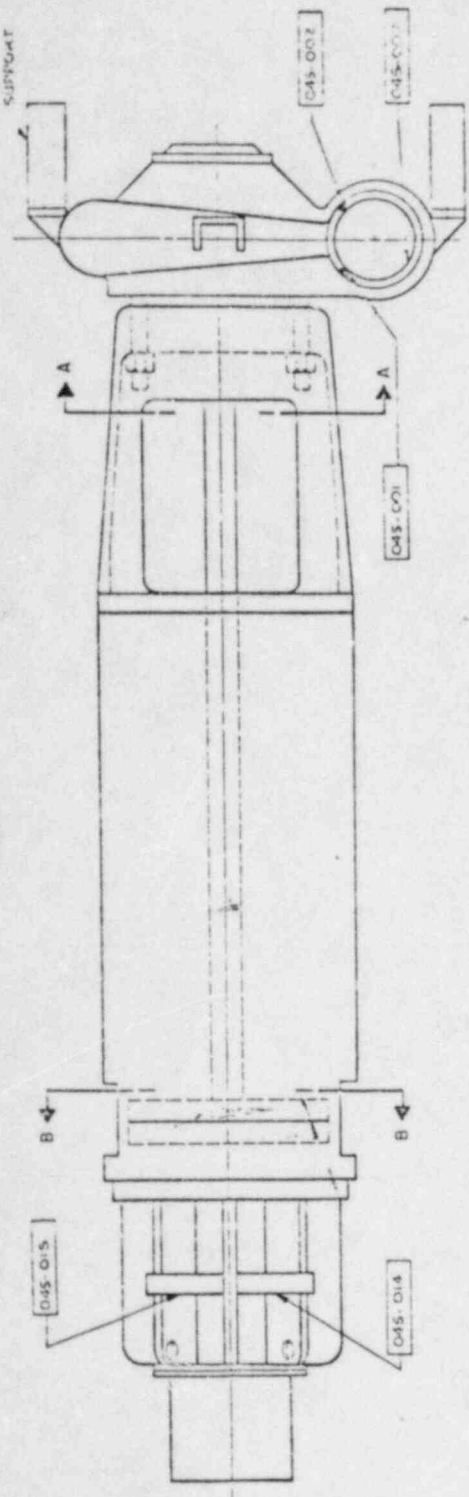
2A RCP AND MOTOR FLYWHEEL

FORM ENG-011

ANO-UNIT-ONE

PUMP PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WF	
45-002	Lower Scroll Weld	B12.10.2					100	RT PT	NA				
45-003	Support Lug #1	B10.20.1					100	UT PT	NA				
45-004	Support Lug #2	B10.20.2					100	UT PT	NA				
45-005	Support Lug #3	B10.20.3					100	UT PT	NA				
45-006	Support Lug #4	B10.20.4					100	UT PT	NA				
45-007	Pump Casing	B12.20.1					100	VT-3	NA				Internal Pressure Boundary Surface
45-008	Motor Flywheel-Bore & Keyway						100	AE	NA				Per Tech. Spec. 4.26
45-009	Motor Flywheel-Entire Flywheel						100	AE	NA				Per Tech. Spec. 4.26
45-010	Pump Support #1	F-2					100	VT-3	NA				
45-011	Pump Support #2	F-2					100	VT-3	NA				
45-012	Pump Support #3	F-2					100	VT-3	NA				
45-013	Pump Support #4	F-2					100	VT-3	NA				
45-014	Seismic Support-Left Side	F-2					100	VT-3	NA				
45-015	Seismic Support-Right Side	F-2					100	VT-3	NA				System Leakage Test
45-048	Pressure Retaining Boundary	B15.60	X	X	X	X	100	VT-2	NA				System Hydrotest
45-049	Pressure Retaining Boundary	B15.61					100	VT-2	NA				



ARKANSAS POWER AND LIGHT COMPANY	
ARKANSAS NUCLEAR ONE	
UNIT 1	
REACTOR COOLANT PUMP IA	
ZONE 45	
ISI-145	

PROGRAM PLAN AND SCHEDULE

ZONE- 46

COMPONENT DESCRIPTION

2B RCP AND MOTOR FLYWHEEL

FORM ENG-011

ANO-UNIT-ONE

PUMP PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
46-S-016	Pump Stud #1	B6.180.1	BG1				100	UT	40860				Inplace
46-S-017	Pump Stud #2	B6.180.2	BG1				100	UT	40860				Inplace
46-S-018	Pump Stud #3	B6.180.3	BG1				100	UT	40860				Inplace
46-S-019	Pump Stud #4	B6.180.4	BG1				100	UT	40860				Inplace
46-S-020	Pump Stud #5	B6.180.5	BG1				100	UT	40860				Inplace
46-S-021	Pump Stud #6	B6.180.6	BG1				100	UT	40860				Inplace
46-S-022	Pump Stud #7	B6.180.7	BG1				100	UT	40860				Inplace
46-S-023	Pump Stud #8	B6.180.8	BG1				100	UT	40860				Inplace
46-S-024	Pump Stud #9	B6.180.9	BG1				100	UT	40860				Inplace
46-S-025	Pump Stud #10	B6.180.10	BG1				100	UT	40860				Inplace
46-S-026	Pump Stud #11	B6.180.11	BG1				100	UT	40860				Inplace
46-S-027	Pump Stud #12	B6.180.12	BG1				100	UT	40860				Inplace
46-S-028	Pump Stud #13	B6.180.13	BG1				100	UT	40860				Inplace
46-S-029	Pump Stud #14	B6.180.14	BG1				100	UT	40860				Inplace
46-S-030	Pump Stud #15	B6.180.15	BG1				100	UT	40860				Inplace
46-S-031	Pump Stud #16	B6.180.16	BG1				100	UT	40860				Inplace
46-S-032	Pump Stud #1	B6.180.17	BG1				100	UT	40860				Removed
46-S-033	Pump Stud #2	B6.180.18	BG1				100	UT	40860				Removed
46-S-034	Pump Stud #3	B6.180.19	BG1				100	UT	40860				Removed
46-S-035	Pump Stud #4	B6.180.20	BG1				100	UT	40860				Removed
46-S-036	Pump Stud #5	B6.180.21	BG1				100	UT	40860				Removed
46-S-037	Pump Stud #6	B6.180.22	BG1				100	UT	40860				Removed
46-S-038	Pump Stud #7	B6.180.23	BG1				100	UT	40860				Removed
46-S-039	Pump Stud #8	B6.180.24	BG1				100	UT	40860				Removed
46-S-040	Pump Stud #9	B6.180.25	BG1				100	UT	40860				Removed
46-S-041	Pump Stud #10	B6.180.26	BG1				100	UT	40860				Removed
46-S-042	Pump Stud #11	B6.180.27	BG1				100	UT	40860				Removed
46-S-043	Pump Stud #12	B6.180.28	BG1				100	UT	40860				Removed
46-S-044	Pump Stud #13	B6.180.29	BG1				100	UT	40860				Removed
46-S-045	Pump Stud #14	B6.180.30	BG1				100	UT	40860				Removed
46-S-046	Pump Stud #15	B6.180.31	BG1				100	UT	40860				Removed
46-S-047	Pump Stud #16	B6.180.32	BG1				100	UT	40860				Removed
46-001	Upper Scroll Weld	B12.10.1	BL1				100	RT PT	NA				

PROGRAM PLAN AND SCHEDULE

ZONE - 46

COMPONENT DESCRIPTION

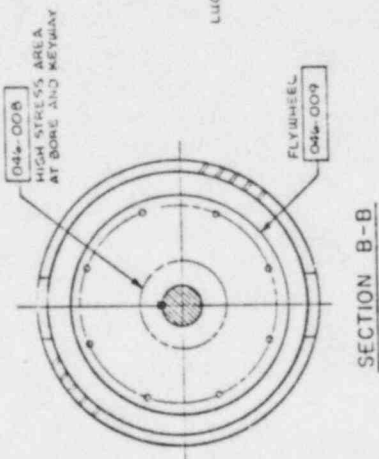
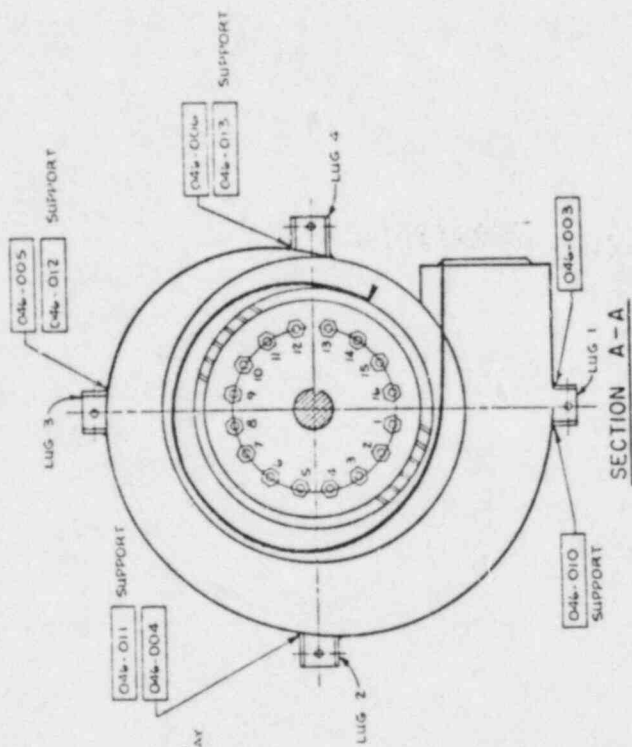
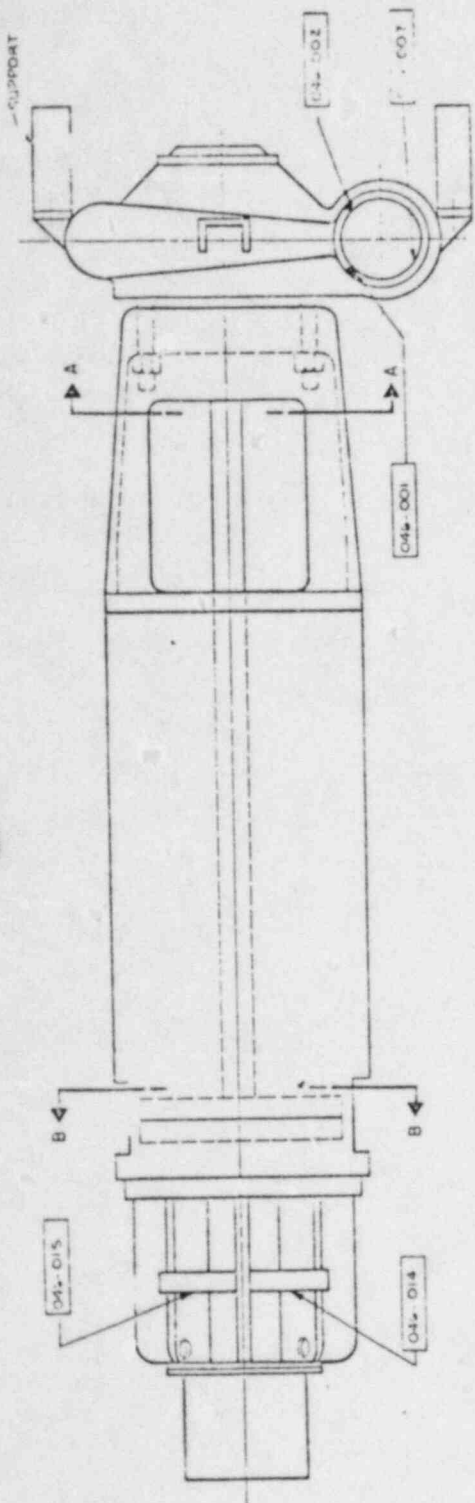
2B RCP AND MOTOR FLYWHEEL

FORM ENG-011

ANO-UNIT-ONE

PUMP PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
6-002	Lower Scroll Weld	B12.10.2 BL1					100	RT PT	NA				
6-003	Support Lug #1	B10.20.1 BL1					100	UT PT					
6-004	Support Lug #2	B10.20.2 BL1					100	UT PT					
6-005	Support Lug #3	B10.20.3 BL1					100	UT PT					
6-006	Support Lug #4	B10.20.4 BL1					100	UT PT					
6-007	Pump Casing	B12.20.1 BL2					100	VT-3	NA				Internal Pressure Boundary Surface
6-008	Motor Flywheel-Bore & Keyway						100	AE					Per Tech. Spec. 4.26
6-009	Motor Flywheel-Entire Flywheel						100	AE					Per Tech. Spec. 4.26
6-010	Pump Support #1	F-2 F-C					100	VT-3	NA				
6-011	Pump Support #2	F-2 F-C					100	VT-3	NA				
6-012	Pump Support #3	F-2 F-C					100	VT-3	NA				
6-013	Pump Support #4	F-2 F-C					100	VT-3	NA				
6-014	Seismic Support-Left Side	F-2 F-C					100	VT-3					
6-015	Seismic Support-Right Side	F-2 F-C					100	VT-3					
6-048	Pressure Retaining Boundary	B15.60	K	K	K	K	100	VT-2	NA				System Leakage Test
6-049	Pressure Retaining Boundary	B15.61					100	VT-2	NA				



ARKANSAS POWER AND LIGHT COMPANY ARKANSAS NUCLEAR ONE		
UNIT 1		
REACTOR COOLANT PUMP 1A		
ZONE 46		
REV.		C
41		
ISI-146		

PROGRAM PLAN AND SCHEDULE

ZONE- 47

COMPONENT DESCRIPTION

PRESSURIZER SAFETY VALVE DISCHARGE

FORM ENG-011

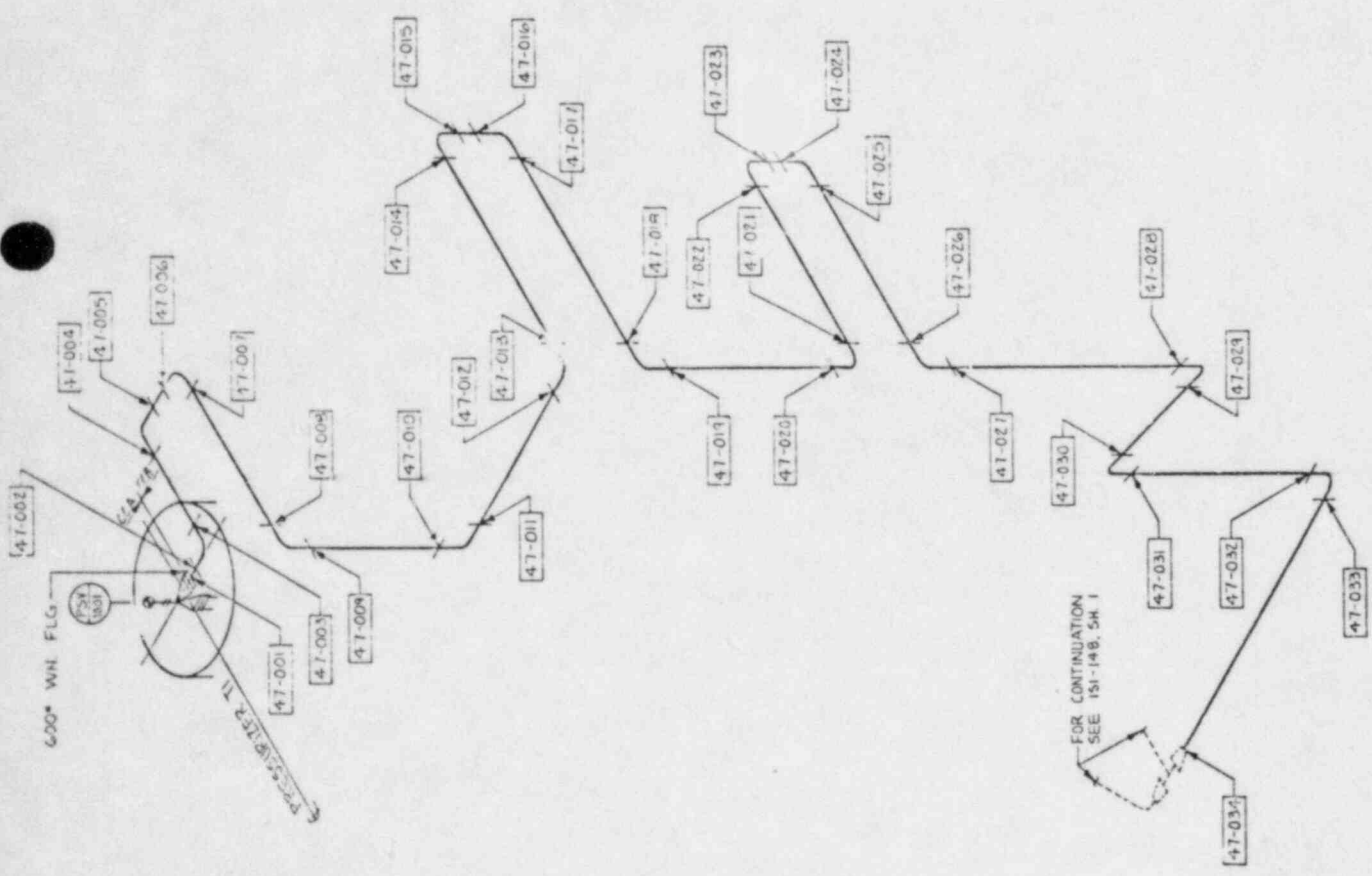
ANO-UNIT-ONE

PIPING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
47-001	Flange To Pipe Circ Seam	CS.11.1					100	PT	NA				FCB-2-1
47-002	Pipe To Ell Circ Seam	CS.11.2					100	PT	NA				FCB-2-2
47-003	Ell To Pipe Circ Seam	CS.11.3					100	PT	NA				FCB-2-3
47-004	Pipe To Ell Circ Seam	CS.11.4					100	PT	NA				FCB-2-4
47-005	Ell To Pipe Circ Seam	CS.11.5					100	PT	NA				FCB-2-5
47-006	Pipe To Ell Circ Seam	CS.11.6					100	PT	NA				FCB-2-6
47-007	Ell To Pipe Circ Seam	CS.11.7					100	PT	NA				FCB-2-7
47-008	Pipe To Ell Circ Seam	CS.11.8					100	PT	NA				FCB-2-8
47-009	Ell To Pipe Circ Seam	CS.11.9					100	PT	NA				FCB-2-9
47-010	Pipe To Ell Circ Seam	CS.11.10					100	PT	NA				FCB-2-10
47-011	Ell To Pipe Circ Seam	CS.11.11					100	PT	NA		X	X	FCB-2-11
47-012	Pipe To Ell Circ Seam	CS.11.12					100	PT	NA		X	X	FCB-2-12
47-013	Ell To Pipe Circ Seam	CS.11.13					100	PT	NA				FCB-2-13
47-014	Pipe To Ell Circ Seam	CS.11.14					100	PT	NA				FCB-2-14
47-015	Ell To Pipe Circ Seam	CS.11.15					100	PT	NA				FCB-2-15
47-016	Pipe To Ell Circ Seam	CS.11.16					100	PT	NA				FCB-2-16
47-017	Ell To Pipe Circ Seam	CS.11.17					100	PT	NA				FCB-2-17
47-018	Pipe To Ell Circ Seam	CS.11.18					100	PT	NA				FCB-2-18
47-019	Ell To Pipe Circ Seam	CS.11.19					100	PT	NA				FCB-2-19
47-020	Pipe To Ell Circ Seam	CS.11.20					100	PT	NA				FCB-2-20
47-021	Ell To Pipe Circ Seam	CS.11.21			9		100	PT	NA		X	X	FCB-2-21
47-022	Pipe To Ell Circ Seam	CS.11.22					100	PT	NA				FCB-2-22
47-023	Ell To Pipe Circ Seam	CS.11.23					100	PT	NA				FCB-2-23
47-024	Pipe To Ell Circ Seam	CS.11.24					100	PT	NA				FCB-2-24
47-025	Ell To Pipe Circ Seam	CS.11.25					100	PT	NA				FCB-2-25
47-026	Pipe To Ell Circ Seam	CS.11.26					100	PT	NA				FCB-2-26
47-027	Ell To Pipe Circ Seam	CS.11.27					100	PT	NA				FCB-2-27
47-028	Pipe To Ell Circ Seam	CS.11.28					100	PT	NA				FCB-2-28
47-029	Ell To Pipe Circ Seam	CS.11.29					100	PT	NA				FCB-2-29
47-030	Pipe To Ell Circ Seam	CS.11.30					100	PT	NA				FCB-2-30
47-031	Ell To Pipe Circ Seam	CS.11.31					100	PT	NA				FCB-2-31
47-032	Pipe To Ell Circ Seam	CS.11.32					100	PT	NA				FCB-2-32
47-033	Ell To Pipe Circ Seam	CS.11.33					100	PT	NA				FCB-2-33

FORM ENG-011
AMO-UNIT-ONE
PIPING PRESSURE BOUNDARY
PROGRAM PLAN AND SCHEDULE
ZONE-47
COMPONENT DESCRIPTION
PRESSURIZER SAFETY VALVE DISCHARGE

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
47-034	Pipe To Reducer Circ Seam	CS-11.34					100	PT	NA				FCB-2-34
47-035	Spring Hanger RC-16	F-3.50.1					100	VT-4	NA	NA	NA	NA	SK#6-213
47-036	Hydraulic Snubber HS-11	F-3.50.2					100	VT-4	NA	NA	NA	NA	SK#6-241
47-037	Hydraulic Snubber HS-12	F-3.50.3					100	VT-4	NA	NA	NA	NA	SK#6-242
47-038	Spring Hanger RC-18	F-3.50.4					100	VT-4	NA	NA	NA	NA	SK#6-214
47-039	Restraint HA-3	F-3.40.1					100	VT-4	NA	NA	NA	NA	SK#6-263-A
47-040	Hydraulic Snubber HS-10	F-3.50.5					100	VT-4	NA	NA	NA	NA	SK#6-263
47-041	Guide RC-19	F-3.40.2					100	VT-3	NA	NA	NA	NA	SK#6-215
47-042	Hydraulic Snubber HA-1	F-3.50.6	8				100	VT-4	NA	NA	NA	NA	SK#6-258
47-043	Spring Hanger RC-29	F-3.50.7					100	VT-4	NA	NA	NA	NA	SK#6-225
47-044	Hydraulic Snubber HS-13	F-3.50.8					100	VT-4	NA	NA	NA	NA	SK#6-243
47-045	Hydraulic Snubber HS-14	F-3.50.9					100	VT-4	NA	NA	NA	NA	SK#6-244
47-046	Spring Hanger RC-20	F-3.50.10					100	VT-4	NA	NA	NA	NA	SK#6-216
47-047	Spring Hanger RC-22	F-3.50.11					100	VT-4	NA	NA	NA	NA	SK#6-218
47-048	Hydraulic Snubber HA-2	F-3.50.12					100	VT-4	NA	NA	NA	NA	SK#6-259
47-049	Guide RC-21	F-3.40.3					100	VT-4	NA	NA	NA	NA	SK#6-217
47-050	Guide RC-23	F-3.40.4		9			100	VT-4	NA	NA	NA	NA	SK#6-219
47-051	Spring Hanger RC-24	F-3.50.13					100	VT-4	NA	NA	NA	NA	SK#6-220
47-052	Spring Hanger RC-26	F-3.50.14					100	VT-4	NA	NA	NA	NA	SK#6-222
47-053	Guide RC-25	F-3.40.5					100	VT-3	NA	NA	NA	NA	SK#6-221
47-054	Guide RC-27	F-3.40.6					100	VT-3	NA	NA	NA	NA	SK#6-223
47-055	Hydraulic Snubber HS-71	F-3.50.15					100	VT-4	NA	NA	NA	NA	SK#6-252
47-056	Spring Hanger RC-28	F-3.50.16					100	VT-4	NA	NA	NA	NA	SK#6-224
47-057	Hydraulic Snubber HS-72	F-3.50.17					100	VT-4	NA	NA	NA	NA	SK#6-253
47-058	Guide RC-51	F-3.40.7					100	VT-3	NA	NA	NA	NA	SK#6-246



NO.	DATE	REV.	BY	CHK.	APP.
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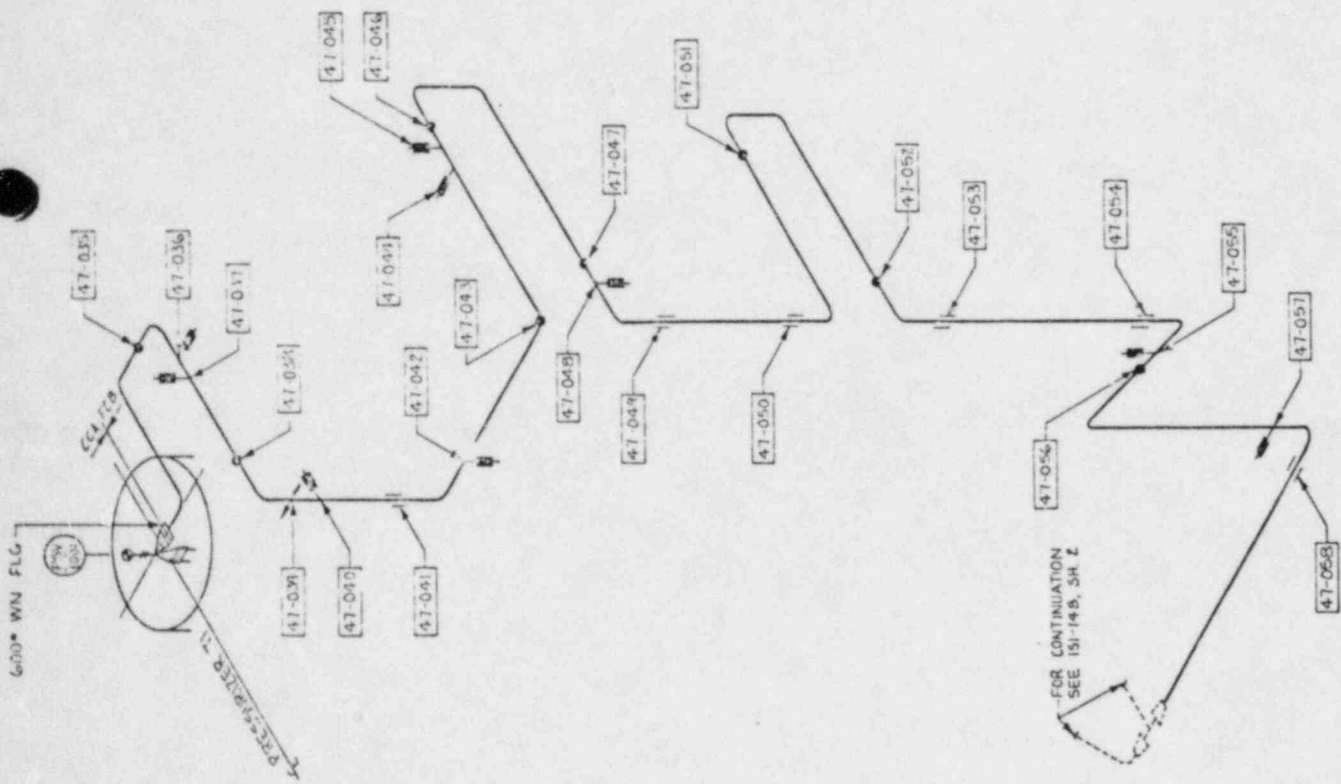
TABLE NO. 015-24 CE 4449 B BOOK

ARKANSAS POWER AND LIGHT COMPANY
ARKANSAS NUCLEAR ONE
UNIT 1

PRESSURIZER SAFETY VALVE 1 CHARGE
WELDS
ZONE 47

REV. NO. SH. OF

ISI - 147 1 2



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ARKANSAS NUCLEAR ONE						
UNIT 1						
PRESSURIZER SAFETY VALVE DISCHARGE						
HANGERS						
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PROGRAM PLAN AND SCHEDULE

FORM ENG-011

ANO-UNIT-ONE

PIPING PRESSURE BOUNDARY

ZONE- 48

COMPONENT DESCRIPTION

PRESSURIZER SAFETY VALVE DISCHARGE FCB-2-6"

EX/H NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
48-001	Flange To Pipe Circ Seam	C5.11.1					100	PT	NA				FCB-4-1
48-002	Pipe To Ell Circ Seam	C5.11.2					100	PT	NA				FCB-4-2
48-003	Ell To Pipe Circ Seam	C5.11.3					100	PT	NA				FCB-4-3
48-004	Pipe To Ell Circ Seam	C5.11.4					100	PT	NA				FCB-4-4
48-005	Ell To Pipe Circ Seam	C5.11.5					100	PT	NA				FCB-4-5
48-006	Pipe To Ell Circ Seam	C5.11.6					100	PT	NA				FCB-4-6
48-007	Ell To Pipe Circ Seam	C5.11.7					100	PT	NA				FCB-4-7
48-008	Pipe To Ell Circ Seam	C5.11.8					100	PT	NA				FCB-4-8
48-009	Ell To Pipe Circ Seam	C5.11.9					100	PT	NA				FCB-4-9
48-010	Pipe To Ell Circ Seam	C5.11.10					100	PT	NA				FCB-4-10
48-011	Ell To Pipe Circ Seam	C5.11.11					100	PT	NA				FCB-4-11
48-012	Pipe To Ell Circ Seam	C5.11.12					100	PT	NA				FCB-4-12
48-013	Ell To Pipe Circ Seam	C5.11.13					100	PT	NA				FCB-4-13
48-014	Pipe To Ell Circ Seam	C5.11.14					100	PT	NA				FCB-4-14
48-015	Ell To Pipe Circ Seam	C5.11.15					100	PT	NA				FCB-4-15
48-016	Pipe To Ell Circ Seam	C5.11.16					100	PT	NA		X	X	FCB-4-16
48-017	Ell To Pipe Circ Seam	C5.11.17					100	PT	NA				FCB-4-17
48-018	Pipe To Ell Circ Seam	C5.11.18					100	PT	NA				FCB-4-18
48-019	Ell To Pipe Circ Seam	C5.11.19					100	PT	NA				FCB-4-19
48-020	Pipe To Ell Circ Seam	C5.11.20					100	PT	NA				FCB-4-20
48-021	Ell To Pipe Circ Seam	C5.11.21					100	PT	NA				FCB-4-21
48-022	Pipe To Ell Circ Seam	C5.11.22					100	PT	NA				FCB-4-22
48-023	Ell To Pipe Circ Seam	C5.11.23					100	PT	NA		X	X	FCB-4-23
48-024	Pipe To Ell Circ Seam	C5.11.24					100	PT	NA				FCB-4-24
48-025	Ell To Reducer Circ Seam	C5.11.25					100	PT	NA				FCB-4-25
48-026	Reducer To Tee Circ Seam	C5.11.26					100	PT	NA				FCB-4-26
48-027	Tee To Reducer Circ Seam	C5.11.27					100	PT	NA				FCB-4-27
48-028	Tee To Pipe Circ Seam	C5.11.28					100	PT	NA				FCB-4-28
48-029	Pipe To Ell Circ Seam	C5.11.29					100	PT	NA				FCB-4-29
48-030	Ell To Pipe Circ Seam	C5.11.30					100	PT	NA				FCB-4-30
48-031	Pipe To Ell Circ Seam	C5.11.31					100	PT	NA				FCB-4-31
48-032	Ell To Pipe Circ Seam	C5.11.32					100	PT	NA				FCB-4-32
48-033	Pipe To Ell Circ Seam	C5.11.33					100	PT	NA				FCB-4-33

PROGRAM PLAN AND SCHEDULE

ZONE- 48

COMPONENT DESCRIPTION

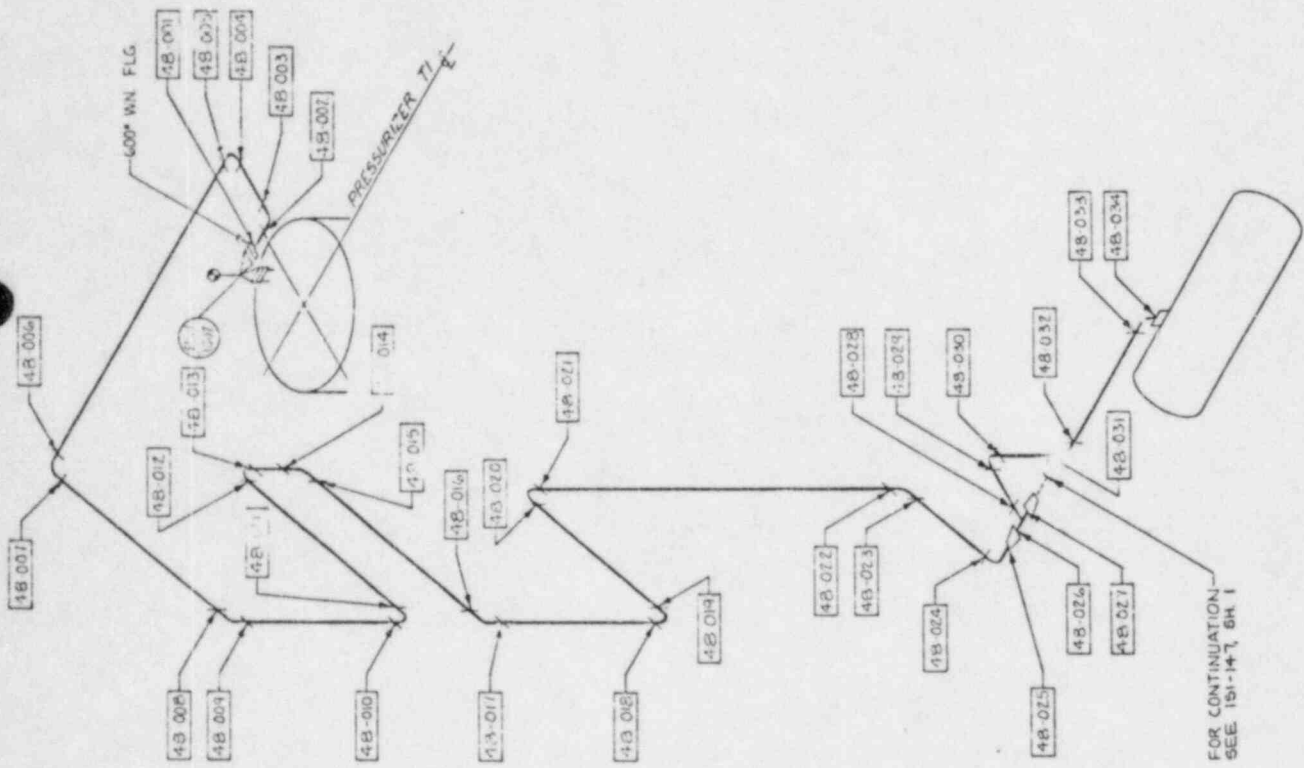
PRESSURIZER SAFETY VALVE DISCHARGE FCB-2-6^H

FORM ENG-011

ANO-UNIT-ONE

PIPING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EX/M SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
48-024	Ell To Nozzle Circ Seam	C5.11.34					100	PT	NA	X	X	X	FCB-4-34
48-035	Guide RC-12	F3.40.1					100	VT-3	NA	NA	NA	NA	SK#6-211
48-036	Spring Hanger RC-2	F3.50.1					100	VT-4	NA	NA	NA	NA	SK#6-201
48-037	Hydraulic Snubber HS-89	F3.50.2					100	VT-4	NA	NA	NA	NA	SK#6-264
48-038	Hydraulic Snubber HS-66	F3.50.3					100	VT-4	NA	NA	NA	NA	SK#6-247
48-039	Hydraulic Snubber HS-67	F3.50.4					100	VT-4	NA	NA	NA	NA	SK#6-248
48-040	Hydraulic Snubber HS-68	F3.50.5				8	100	VT-4	NA	NA	NA	NA	SK#6-249
48-041	Hydraulic Snubber RC-4	F3.50.6					100	VT-4	NA	NA	NA	NA	SK#6-203
48-042	Spring Hanger RC-3	F3.40.2					100	VT-3	NA	NA	NA	NA	SK#6-202
48-043	Guide RC-3	F3.40.3					100	VT-3	NA	NA	NA	NA	SK#6-204
48-044	Guide RC-5	F3.40.4					100	VT-3	NA	NA	NA	NA	SK#6-245B
48-045	Restraint RC-50	F3.40.5					100	VT-3	NA	NA	NA	NA	SK#6-211
48-046	Guide 16-RC-8	F3.50.7					100	VT-4	NA	NA	NA	NA	SK#6-205
48-047	Spring Hanger RC-6	F3.50.8					100	VT-4	NA	NA	NA	NA	SK#6-207
48-048	Spring Hanger RC-8	F3.40.6					100	VT-3	NA	NA	NA	NA	SK#6-206
48-049	Guide RC-7	F3.40.7				19	100	VT-3	NA	NA	NA	NA	SK#6-208
48-050	Guide RC-9	F3.50.9					100	VT-4	NA	NA	NA	NA	SK#6-256
48-051	Hydraulic Snubber HS-2	F3.50.10					100	VT-4	NA	NA	NA	NA	SK#6-209
48-052	Spring Hanger RC-10	F3.40.8					100	VT-3	NA	NA	NA	NA	SK#6-265
48-053	Restraint HS-90	F3.50.11					100	VT-4	NA	NA	NA	NA	SK#6-266
48-054	Hydraulic Snubber HS-91	F3.40.9					100	VT-3	NA	NA	NA	NA	SK#6-267
48-055	Guide HS-92	F3.40.10					100	VT-3	NA	NA	NA	NA	SK#6-210
48-056	Guide RC-11	F3.40.11					100	VT-3	NA	NA	NA	NA	SK#6-212

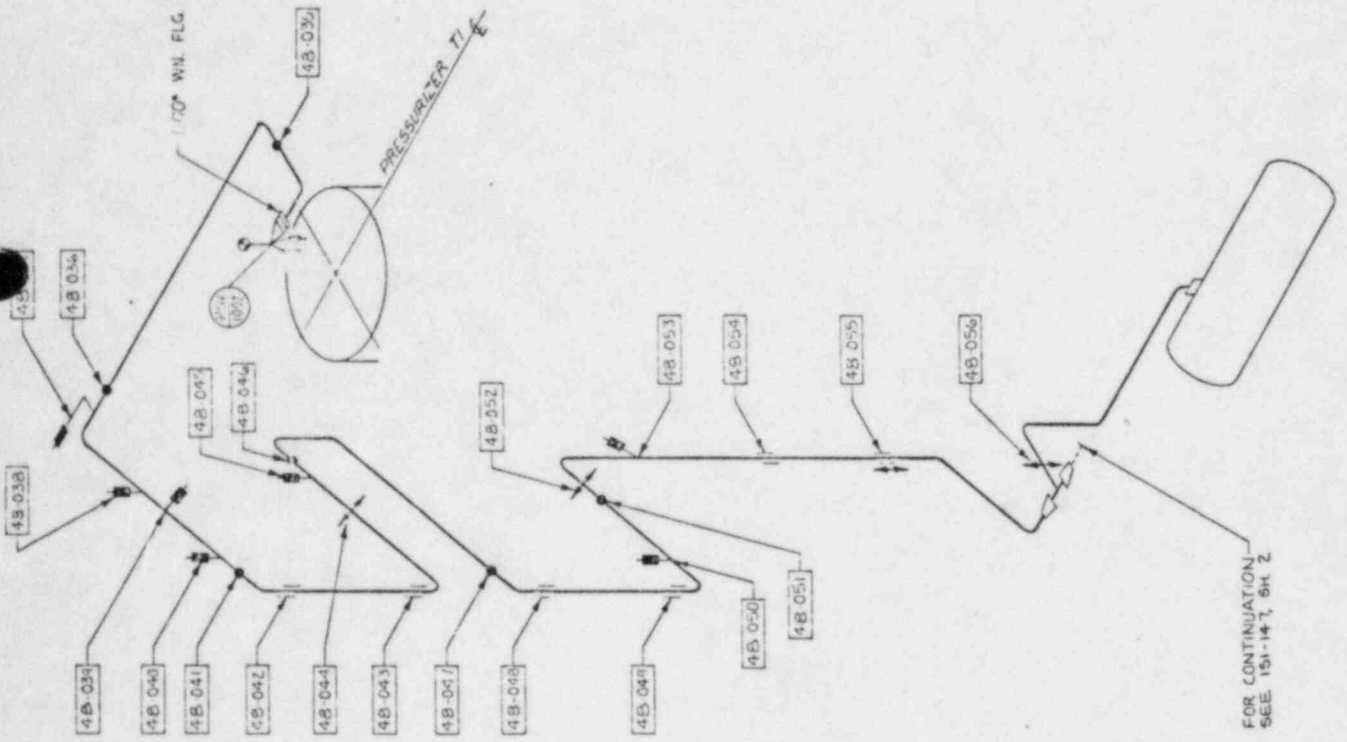


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ARKANSAS POWER AND LIGHT COMPANY
ARKANSAS NUCLEAR ONE
UNIT 1
PRESSURIZER SAFETY VALVE DISCHARGE
WELDS
ZONE 4B

DATE NO. 10
REV. 1
ISI-118
OF 1



FOR CONTINUATION
SEE ISI-147, SH 2

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ARKANSAS POWER AND LIGHT COMPANY
ARKANSAS NUCLEAR ONE
UNIT 1

PRESSURIZER SAFETY VALVE DISCHARGE
HANGERS
ZONE 4B

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ISI-143

SH 2
OF 2

PIPING PRESSURE BOUNDARY

COMPONENT DESCRIPTION

SERVICE WATER LOOP 1A OUTSIDE CONTAINMENT

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
49-001	Valve CV-3820	DB 7	8	6	10	100	VT-2	NA	NA	NA	NA	System Leakage Test	
49-001	Valve CV-3820	DR			11	100	VT-2	NA	NA	NA	NA	System Hydrotest	
49-002	Valve CV-3850	DB 7	8	6	10	100	VT-2	NA	NA	NA	NA	System Leakage Test	
49-002	Valve CV-3850	DR			11	100	VT-2	NA	NA	NA	NA	System Hydrotest	
49-003	Valve CV-3822	DB 7	8	6	10	100	VT-2	NA	NA	NA	NA	System Leakage Test	
49-003	Valve CV-3822	DR			11	100	VT-2	NA	NA	NA	NA	System Hydrotest	
49-004	Valve SW-64	DB 7	8	6	10	100	VT-2	NA	NA	NA	NA	System Leakage Test	
49-004	Valve SW-64	DR			11	100	VT-2	NA	NA	NA	NA	System Hydrotest	
49-005	Valve SW-22A	DB 7	8	6	10	100	VT-2	NA	NA	NA	NA	System Leakage Test	
49-005	Valve SW-22A	DR			11	100	VT-2	NA	NA	NA	NA	System Hydrotest	
49-006	Valve SW-1034	DB 7	8	6	10	100	VT-2	NA	NA	NA	NA	System Leakage Test	
49-006	Valve SW-1034	DR			11	100	VT-2	NA	NA	NA	NA	System Hydrotest	
49-007	Valve CV-3808	DB 7	8	6	10	100	VT-2	NA	NA	NA	NA	System Leakage Test	
49-007	Valve CV-3808	DR			11	100	VT-2	NA	NA	NA	NA	System Hydrotest	
49-008	Valve SW-11	DB 7	8	6	10	100	VT-2	NA	NA	NA	NA	System Leakage Test	
49-008	Valve SW-11	DR			11	100	VT-2	NA	NA	NA	NA	System Hydrotest	
49-009	Valve SW-13	DB 7	8	6	10	100	VT-2	NA	NA	NA	NA	System Leakage Test	
49-009	Valve SW-13	DR			11	100	VT-2	NA	NA	NA	NA	System Hydrotest	
49-010	Valve CS-1018	DB 7	8	6	10	100	VT-2	NA	NA	NA	NA	System Leakage Test	
49-010	Valve CS-1018	DR			11	100	VT-2	NA	NA	NA	NA	System Hydrotest	
49-011	Valve CS-2805	DB 7	8	6	10	100	VT-2	NA	NA	NA	NA	System Leakage Test	
49-011	Valve CS-2805	DR			11	100	VT-2	NA	NA	NA	NA	System Hydrotest	
49-012	Valve CS-2804	DB 7	8	6	10	100	VT-2	NA	NA	NA	NA	System Leakage Test	
49-012	Valve CS-2804	DR			11	100	VT-2	NA	NA	NA	NA	System Hydrotest	
49-013	Valve CS-2808	DB 7	8	6	10	100	VT-2	NA	NA	NA	NA	System Leakage Test	
49-013	Valve CS-2808	DR			11	100	VT-2	NA	NA	NA	NA	System Hydrotest	
49-014	Valve CS-1017	DB 7	8	6	10	100	VT-2	NA	NA	NA	NA	System Leakage Test	
49-014	Valve CS-1017	DR			11	100	VT-2	NA	NA	NA	NA	System Hydrotest	
49-015	Valve CV-3822	DB 7	8	6	10	100	VT-2	NA	NA	NA	NA	System Leakage Test	
49-015	Valve CV-3822	DR			11	100	VT-2	NA	NA	NA	NA	System Hydrotest	
49-016	Valve SW-64	DB 7	8	6	10	100	VT-2	NA	NA	NA	NA	System Leakage Test	
49-016	Valve SW-64	DR			11	100	VT-2	NA	NA	NA	NA	System Hydrotest	
49-017	Valve CV-3851	DB 7	8	6	10	100	VT-2	NA	NA	NA	NA	System Leakage Test	
49-017	Valve CV-3851	DR			11	100	VT-2	NA	NA	NA	NA	System Hydrotest	

PROGRAM PLAN AND SCHEDULE
ZONE - 49
COMPONENT DESCRIPTION
SERVICE WATER LOOP 1A OUTSIDE CONTAINMENT

FORM ENG-011
ANO-UNIT-ONE
PIPING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4				S	I WP	
49-017	Valve CV-3851	D2.10.34 DB			H1		100	VT-2	NA	NA	NA	System Hydrotest
49-018	Guide HRD-14-H1	F2.40.1 F-B					100	VT-3	NA	NA	NA	SK#12-1400
49-019	Rigid Hanger HRD-14-H2	F2.40.2 F-B					100	VT-3	NA	NA	NA	SK#12-1402
49-020	Guide HRD-14-H3	F2.40.3 F-B					100	VT-3	NA	NA	NA	SK#12-1403
49-021	Guide HRD-14-H5	F2.40.4 F-B					100	VT-3	NA	NA	NA	SK#12-1405
49-022	Guide HRD-14-H6	F2.40.5 F-B					100	VT-3	NA	NA	NA	SK#12-1406
49-023	Guide HRD-14-H7	F2.40.6 F-B					100	VT-3	NA	NA	NA	SK#12-1407
49-024	Spring Hanger HRD-14-H8	F3.50.1 F-C					100	VT-4	NA	NA	NA	SK#12-1408
49-025	Guide HRD-14-H9	F2.40.7 F-B					100	VT-3	NA	NA	NA	SK#12-1409
49-026	Rigid Hanger HRD-14-H10	F2.40.8 F-B					100	VT-3	NA	NA	NA	SK#12-1410
49-027	Spring Hanger HRD-14-H16	F3.50.2 F-C	8				100	VT-4	NA	NA	NA	SK#12-1416
49-028	Rigid Hanger HRD-14-H11	F2.40.9 F-B	8				100	VT-3	NA	NA	NA	SK#12-1411
49-029	Guide HRD-14-H12	F2.40.10 F-B	8				100	VT-3	NA	NA	NA	SK#HRD-14-H12
49-030	Rigid Hanger HRD-14-H18	F2.40.11 F-B	8				100	VT-3	NA	NA	NA	SK#12-1418
49-031	Sway Strut HRD-14-H19a	F3.50.3 F-C	8				100	VT-3	NA	NA	NA	SK#HRD-14-H19A
49-032	Rigid Hanger HRD-14-H26	F2.40.12 F-B	8				100	VT-3	NA	NA	NA	SK#12-1426
49-033	Rigid Hanger HRD-14-H29	F2.40.13 F-B	8				100	VT-3	NA	NA	NA	SK#12-1429
49-034	Spring Hanger HRD-14-H31	F3.50.4 F-C	8				100	VT-4	NA	NA	NA	SK#12-1431
49-035	Spring Hanger HRD-14-H32	F3.50.5 F-C	8				100	VT-4	NA	NA	NA	SK#12-1432
49-036	Guide HRD-14-H39	F2.40.14 F-C	9				100	VT-3	NA	NA	NA	SK#12-1439
49-037	Guide HRD-14-H51	F2.40.15 F-B	9				100	VT-3	NA	NA	NA	SK#12-1462
49-038	Rigid Hanger HRD-14-H23	F2.40.16 F-B	9				100	VT-3	NA	NA	NA	SK#12-1423
49-039	Guide HRD-14-H24	F2.40.17 F-B	9				100	VT-3	NA	NA	NA	SK#12-1424
49-040	Sway Strut HRD-14-H25	F3.50.6 F-C	9				100	VT-3	NA	NA	NA	SK#12-1425
49-041	Rigid Hanger HRD-14-H21	F2.40.18 F-B	9				100	VT-3	NA	NA	NA	SK#12-1421
49-042	Spring Hanger HRD-4-H1	F3.50.7 F-C	9				100	VT-4	NA	NA	NA	SK#12-400
49-043	Rigid Hanger HRD-4-H2	F2.40.19 F-B	9				100	VT-3	NA	NA	NA	SK#12-401
49-044	Guide HRD-4-H3	F2.40.20 F-B	9				100	VT-3	NA	NA	NA	SK#12-403
49-045	Spring Hanger HRD-4-H6	F3.50.8 F-C	9	10			100	VT-4	NA	NA	NA	SK#12-406
49-046	Guide HRD-4-H7	F2.40.21 F-B	9	10			100	VT-3	NA	NA	NA	SK#12-407
49-047	Rigid Support 13-SW-122-H3	F2.40.22 F-B	9	10			100	VT-3	NA	NA	NA	SK#APL-13-SW-122-H3
49-048	Spring Hanger HRD-4-H12	F3.50.9 F-C	9	10			100	VT-4	NA	NA	NA	SK#12-412
49-049	Guide HRD-4-H13	F2.40.23 F-B	9	10			100	VT-3	NA	NA	NA	SK#12-413

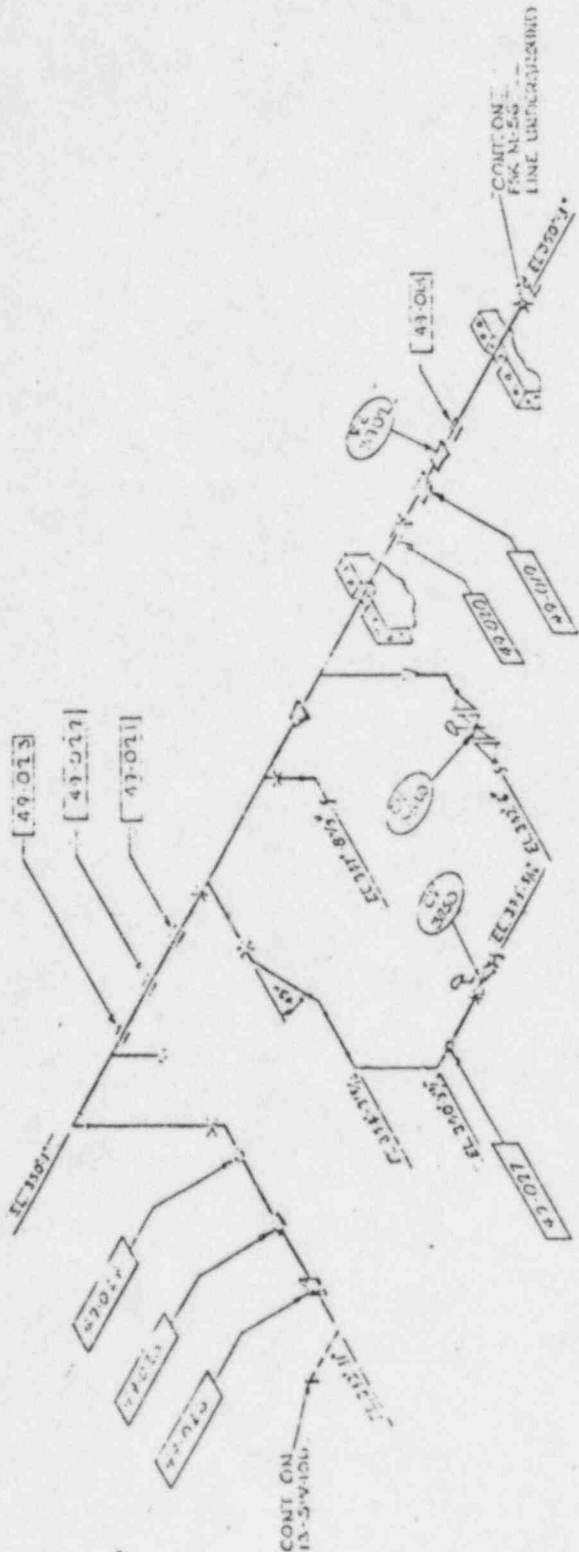
FORM ENG-011 PROGRAM PLAN AND SCHEDULE

ZONE- 49

ANO-UNIT-ONE COMPONENT DESCRIPTION

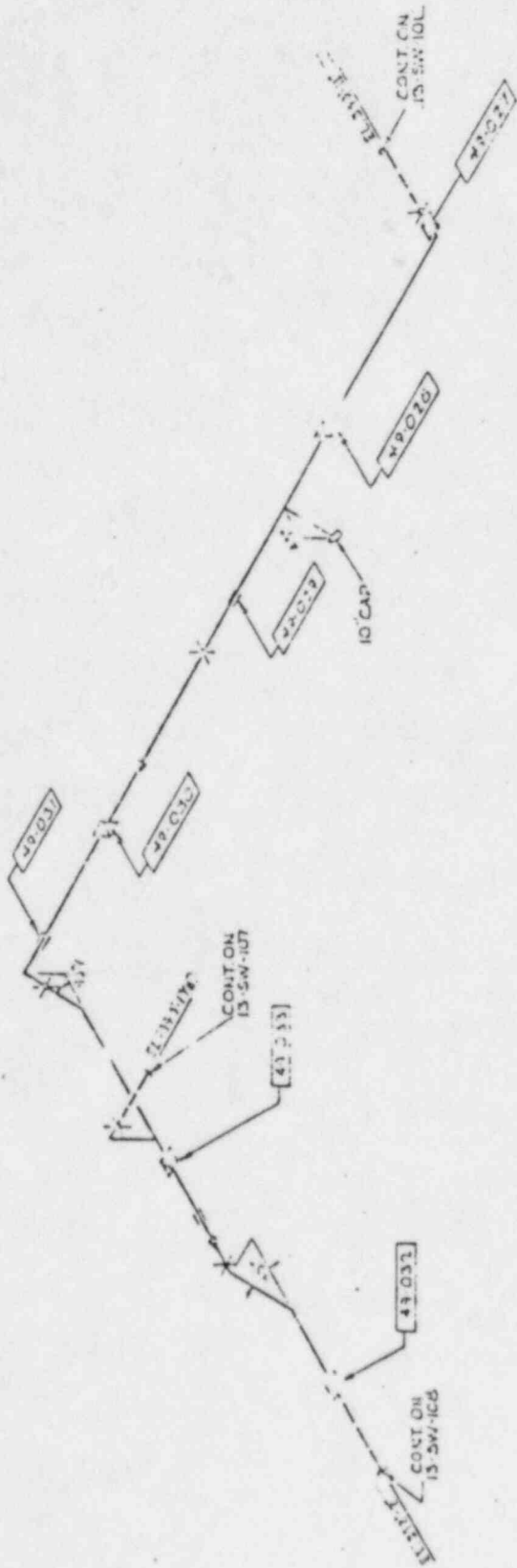
PIPING PRESSURE BOUNDRY SERVICE WATER LOOP 1A OUTSIDE CONTAINMENT

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
49-050	Guide HBD-20-H49	F2.40.24 F-B			10		100	VT-3	NA	NA	NA	NA	SK#12-2054
49-051	Guide HBD-21-H16	F2.40.25 F-B			10		100	VT-3	NA	NA	NA	NA	SK#12-2115
49-052	Guide HBD-21-H15	F2.40.26 F-B			10		100	VT-3	NA	NA	NA	NA	SK#12-2114
49-053	Rigid Hanger HBD-21-H21	F2.40.27 F-B			10		100	VT-3	NA	NA	NA	NA	SK#12-2121
49-054	Rigid Hanger HBD-21-H20	F2.40.28 F-B			11		100	VT-3	NA	NA	NA	NA	SK#12-2119
49-055	Spring Hanger HBD-21-H19	F3.50.10 F-C			11		100	VT-4	NA	NA	NA	NA	SK#12-2118
49-056	Guide HBD-21-H18	F2.40.29 F-R			11		100	VT-3	NA	NA	NA	NA	SK#12-2117
49-057	Guide HBD-21-H28	F2.40.30 F-R			11		100	VT-3	NA	NA	NA	NA	SK#12-2130
49-058	Guide HBD-21-H29	F2.40.31 F-R			11		100	VT-3	NA	NA	NA	NA	SK#12-2131
49-059	Spring Hanger HBD-21-H73	F3.50.11 F-C			11		100	VT-4	NA	NA	NA	NA	SK#12-2180
49-060	Guide HBD-21-H72	F2.40.32 F-R			11		100	VT-3	NA	NA	NA	NA	SK#APL-13-SW-122-H1
49-061	Rigid Hanger 13-SW-122-H1	F2.40.33 F-B			11		100	VT-3	NA	NA	NA	NA	SK#APL-13-SW-122-H2
49-062	Guide 13-SW-122-H2	F2.40.34 F-R			11		100	VT-3	NA	NA	NA	NA	SK#APL-13-SW-122-H1
49-063	Rigid Hanger 13-SW-122-H1	F2.50.1 DR			11		100	VT-3	NA	NA	NA	NA	



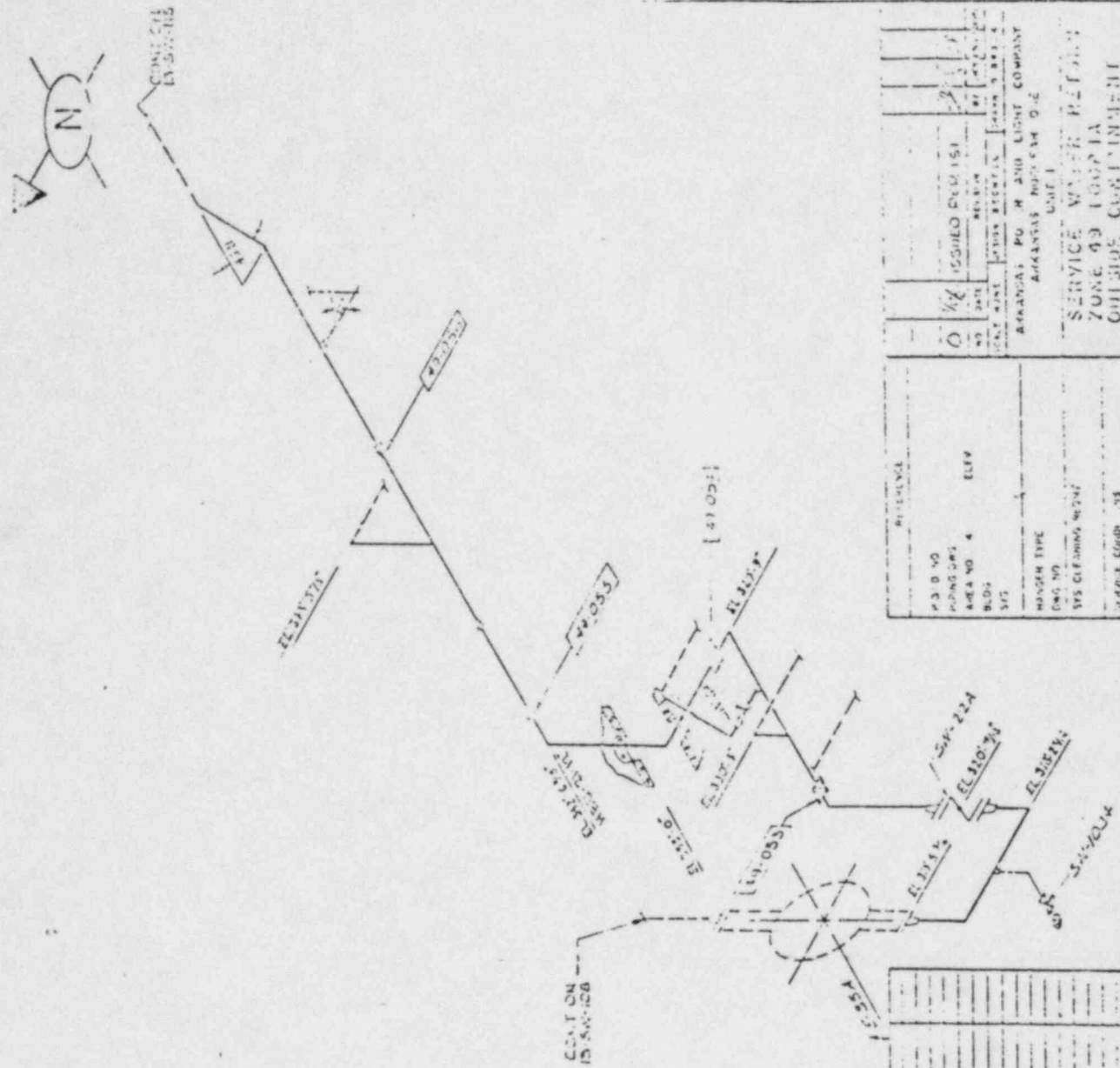
PROJECT NO	
WORKING DRAWING NO.	M-30, M-4, J
DATE	NOV 5 1966
SHEET NO.	5
TOTAL SHEETS	5
SCALE	ELECT.
APPROVED	
DESIGNED BY	
DRAWN BY	
CHECKED BY	
UNIT	ARKANSAS POWER AND LIGHT COMPANY
PLANT	ARKANSAS NUCLEAR ONE
CATEGORY	UNIT 1
DIVISION	
DESCRIPTION	SERVICE WATER SUPPLY
ZONE	ZONE G LOOP I A
CONTAINER	OUTSIDE CONTAINER 1

REVISION			
NO.	DATE	BY	DESCRIPTION

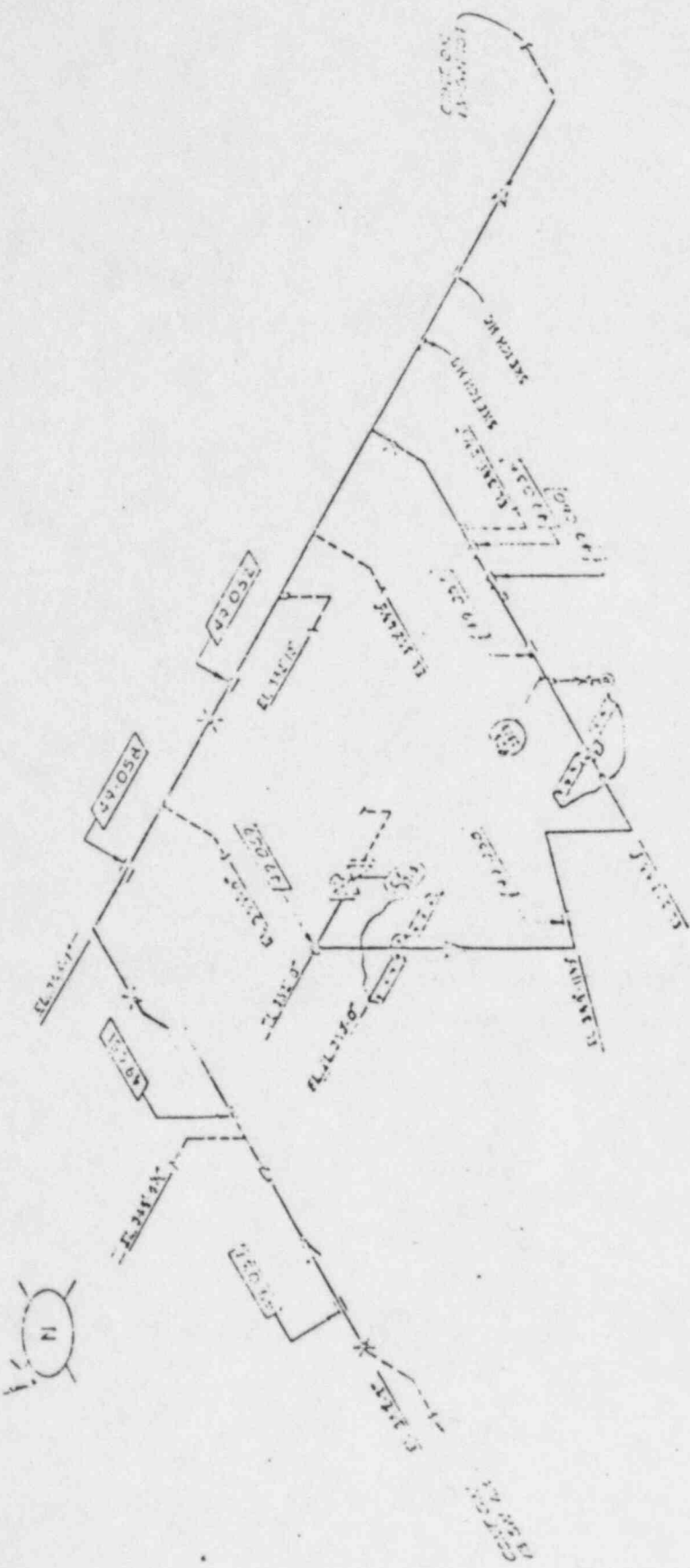


ISSUED PER 151		DATE		BY	DATE
NO	NO	NO	NO	NO	NO
APPROVED		CHECKED		DATE	
BY		BY		BY	

REFERENCE	
PROJECT NO	443031
AREA NO	4
BLDG	
SY	
WATER TYPE	ELEC
LINE NO	
VALVE DESCRIPTION	
WATER SUPPLY	
UNIT	
ARIZONA POWER AND LIGHT COMPANY	
UNIT	
SERVICE WATER SUPPLY	
ZONE 49 LOOP 1A	
OUTSIDE CONNECTION	

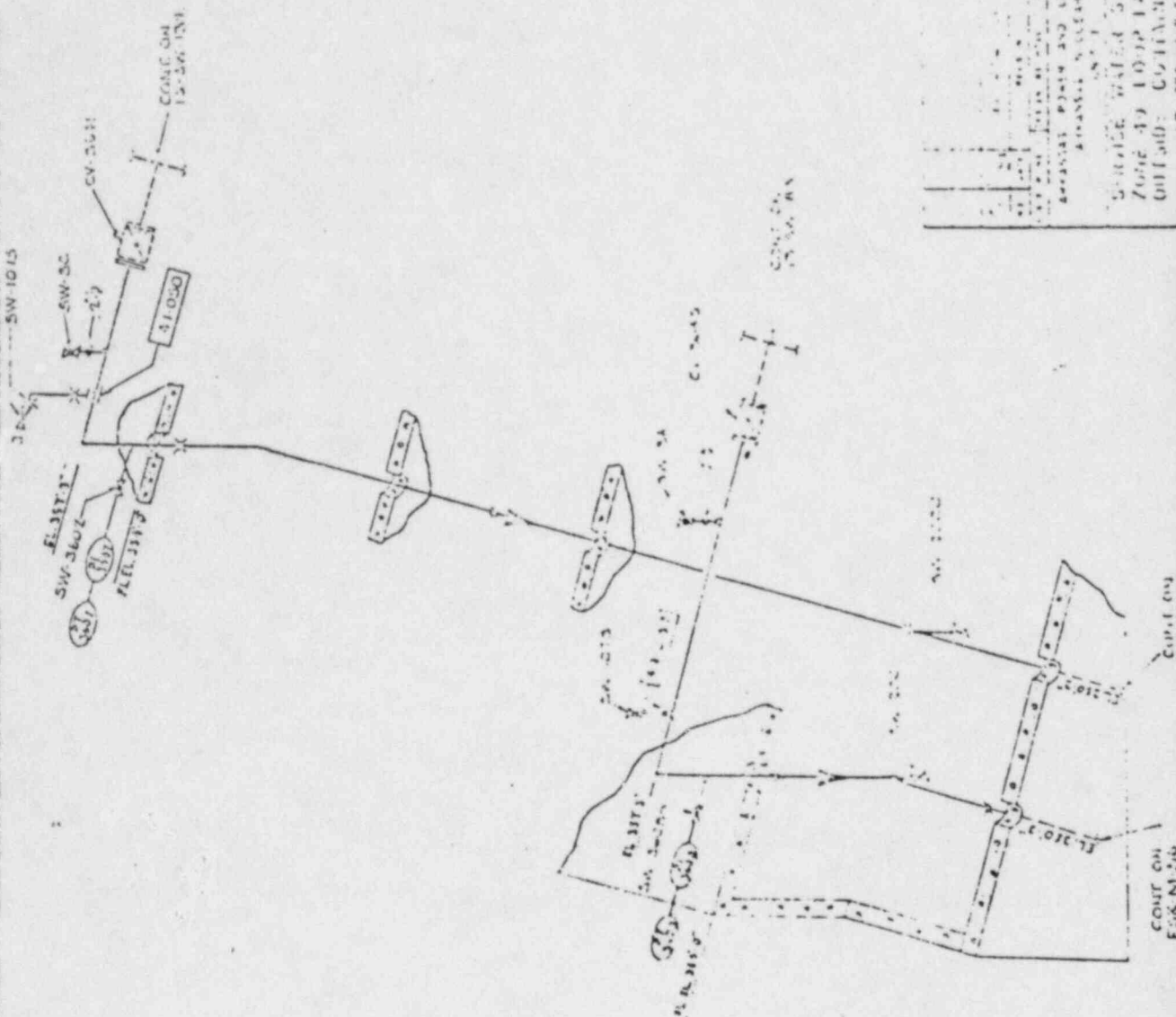


ISSUED (DATE) _____ NO. _____ BY _____		SERVICE CENTER REPORT ZONE 43 T-100P-1A CHUBB COMPANY
PROJECT NAME _____ ADDRESS _____ CITY _____		ARKANSAS POWER AND LIGHT COMPANY UNIT _____ SERVICE CENTER REPORT ZONE 43 T-100P-1A CHUBB COMPANY
P.D.B. NO. _____ WORKING AREA NO. 4 _____ BLDG. _____ SYS. _____	REFERENCE _____ ELV. _____	REVISION _____ DRAWING NO. _____ SYS. CATALOG NO. _____ CHANGE ORDER NO. _____



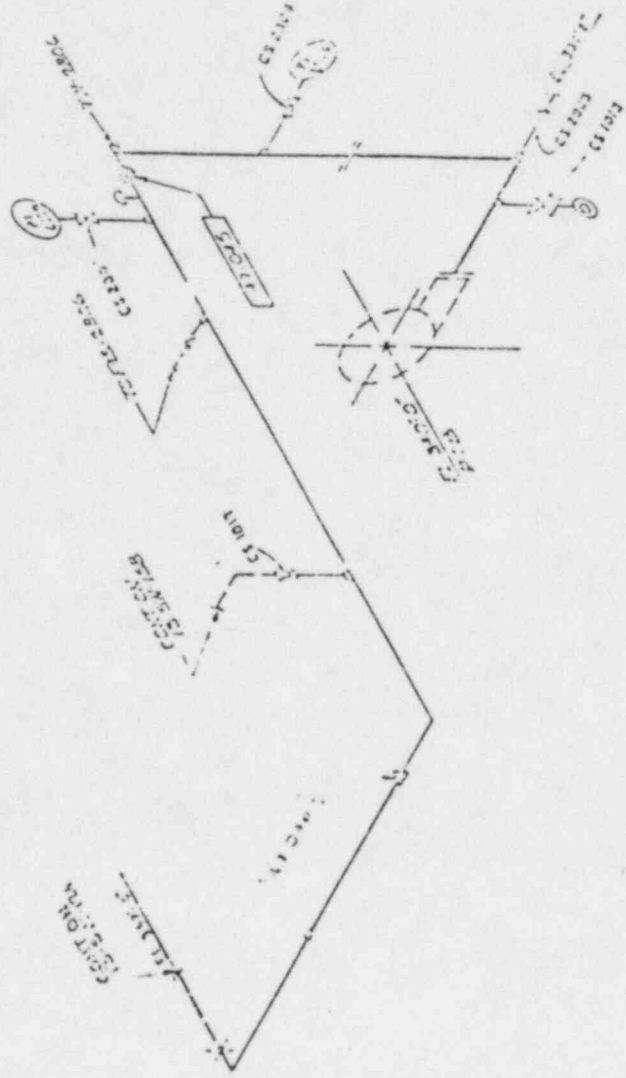
ISSUED FOR			DATE		
NO.	BY	FOR	DATE	BY	FOR

ARKANSAS POWER AND LIGHT COMPANY
 ARKANSAS NUCLEAR ONE
 UNIT 1
 SHUTTING WATER SYSTEM
 LOOP IA, ZONE 01
 OFFSIDE CONTROL ROOM



5-31-56
 701649 10-14-56
 UNIT NO: 6611A-11-11
 6611A-11-11





ARABIAN POWER AND LIGHT COMPANY
ADDRESS ONLY ON

Sheet No. 1
No. of Circuits 1
No. of Wires 1

ARABIAN POWER AND LIGHT COMPANY
SERVICE WATER SUPPLY
ZONE 13 LOOP 1A
OUTSIDE UNIT NO.

No.	Description	Material	Quantity	Remarks
1				
2				
3				
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5				
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PROGRAM PLAN AND SCHEDULE

ZONE- 50

COMPONENT DESCRIPTION

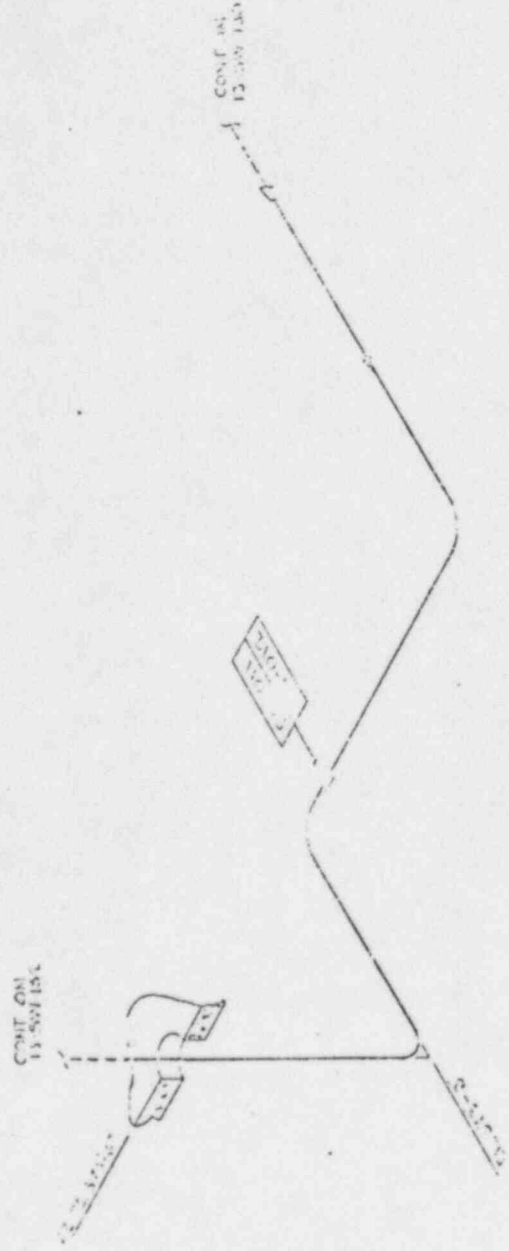
SERVICE WATER LOOP 1A INSIDE CONTAINMENT

FORM ENG-011

ANO-UNIT-ONE

PIPING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
50-001	Rigid Hanger HRD-20-H45	F2.40.1 F-B	7				100	VT-3	NA	NA	NA	NA	SK#12-2050
50-002	Rigid Hanger HRD-21-H42	F2.40.2 F-B	7				100	VT-3	NA	NA	NA	NA	SK#12-2146
50-003	Spring Hanger HRD-20-H37	F3.50.1 F-C	8				100	VT-4	NA	NA	NA	NA	SK#12-2042A
50-004	Rigid Hanger HRD-20-H38	F2.40.3 F-B	8				100	VT-3	NA	NA	NA	NA	SK#12-2043A
50-005	Guide HRD-20-H39	F2.40.4 F-B	9				100	VT-3	NA	NA	NA	NA	SK#12-2044
50-006	Guide HRD-20-H40	F2.40.5 F-B	9				100	VT-3	NA	NA	NA	NA	SK#12-2045
50-007	Spring Hanger H41	F3.50.2 F-G		1D			100	VT-4	NA	NA	NA	NA	SK#12-2046
50-008	Guide HRD-20-H43	F2.40.6 F-B		1D			100	VT-3	NA	NA	NA	NA	SK#12-2048
50-009	Guide HRD-20-H42	F2.40.7 F-C			1D		100	VT-3	NA	NA	NA	NA	SK#12-2042
50-010	Spring Hanger HRD-20-H44	F3.50.3 F-C			1D		100	VT-4	NA	NA	NA	NA	SK#12-2049
50-011	Rigid Hanger HRD-20-H46	F2.40.8 F-B			1D		100	VT-3	NA	NA	NA	NA	SK#12-2051
50-012	Rigid Hanger HRD-20-H46	D2.50.1 DR			1D		100	VT-3	NA	NA	NA	NA	SK#12-2051



NO.	DESCRIPTION	DATE	BY
1	ISSUED	12/20/54	
2	REVISED		
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NO.	DESCRIPTION	DATE	BY
1	ISSUED	12/20/54	
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50	REVISED		

APPROVED POWER AND LIGHT COMPANY
 ATTACHED NO. 1200 120
 UNIT 1
 12/20/54
 12/20/54

PROGRAM PLAN AND SCHEDULE

ZONE - 51

COMPONENT DESCRIPTION

SERVICE WATER LOOP 2A OUTSIDE CONTAINMENT

FORM ENG-011

ANO-UNIT-ONE

PIPING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
51-001	Valve CV-3811	DB 7	B	B	10	100	VT-2	NA	NA	NA	NA	System Leakage Test	
51-002	Valve CV-3851	DB 7	B	B	10	100	VT-2	NA	NA	NA	NA	System Leakage Test	
51-003	Valve SW-88	DB 7	B	B	10	100	VT-2	NA	NA	NA	NA	System Leakage Test	
51-004	Valve CV-3821	DB 7	B	B	10	100	VT-2	NA	NA	NA	NA	System Leakage Test	
51-005	Valve SW-2R	DB 7	B	B	10	100	VT-2	NA	NA	NA	NA	System Leakage Test	
51-006	Valve SW-1B	DB 7	B	B	10	100	VT-2	NA	NA	NA	NA	System Leakage Test	
51-007	Valve F-6B	DB 7	B	B	10	100	VT-2	NA	NA	NA	NA	System Leakage Test	
51-008	Valve CV-3644	DB 7	B	B	10	100	VT-2	NA	NA	NA	NA	System Leakage Test	
51-009	Valve CV-3646	DB 7	B	B	10	100	VT-2	NA	NA	NA	NA	System Leakage Test	
51-010	Valve CV-3645	DB 7	B	B	10	100	VT-2	NA	NA	NA	NA	System Leakage Test	
51-011	Valve SW-2A	DB 7	B	B	10	100	VT-2	NA	NA	NA	NA	System Leakage Test	
51-012	Valve SW-1A	DB 7	B	B	10	100	VT-2	NA	NA	NA	NA	System Leakage Test	
51-013	Valve F-6A	DB 7	B	B	10	100	VT-2	NA	NA	NA	NA	System Leakage Test	
51-014	Valve F-6C	DB 7	B	B	10	100	VT-2	NA	NA	NA	NA	System Leakage Test	
51-015	Valve SW-1C	DB 7	B	B	10	100	VT-2	NA	NA	NA	NA	System Leakage Test	
51-016	Valve SW-2C	DB 7	B	B	10	100	VT-2	NA	NA	NA	NA	System Leakage Test	
51-017	Valve CV-3641	DB 7	B	B	10	100	VT-2	NA	NA	NA	NA	System Leakage Test	

PROGRAM PLAN AND SCHEDULE

ZONE-51

COMPONENT DESCRIPTION

SERVICE WATER LOOP 2A OUTSIDE CONTAINMENT

FORM ENG-011

ANO-UNIT-ONE

PIPING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
51-017	Valve CV-3641	DB				11	100	VT-2	NA	NA	NA	NA	System Hydrotest
51-018	Valve CV-3642	DB	8	9	10		100	VT-2	NA	NA	NA	NA	System Leakage Test
51-019	Valve CV-3640	DB	8	9	10		100	VT-2	NA	NA	NA	NA	System Leakage Test
51-020	Valve CV-3640	DB				11	100	VT-3	NA	NA	NA	NA	System Hydrotest
51-021	Guide HRD-2-H1	F-B					100	VT-3	NA	NA	NA	NA	SK#12-200
51-022	Guide HRD-2-H4	F-B					100	VT-3	NA	NA	NA	NA	SK#12-203
51-023	Rigid Hanger HBD-20-H1	F-B					100	VT-3	NA	NA	NA	NA	SK#
51-024	Rigid Hanger HBD-20-H51	F-B					100	VT-3	NA	NA	NA	NA	SK#12-201
51-025	Guide HRD-2-H2	F-B					100	VT-3	NA	NA	NA	NA	SK#12-202
51-026	Guide HRD-2-H3	F-B					100	VT-3	NA	NA	NA	NA	SK#12-2000
51-027	Rigid Hanger HBD-20-H1	F-B	8				100	VT-3	NA	NA	NA	NA	SK#12-2001
51-028	Rigid Hanger HBD-20-H2	F-B	8				100	VT-3	NA	NA	NA	NA	SK#12-2002
51-029	Rigid Hanger HBD-20-H3	F-B	8				100	VT-3	NA	NA	NA	NA	SK#12-2004
51-030	Rigid Hanger HBD-20-H4	F-B	8				100	VT-3	NA	NA	NA	NA	SK#12-2005
51-031	Rigid Hanger HBD-20-H5	F-B	8				100	VT-3	NA	NA	NA	NA	SK#12-2006
51-032	Rigid Hanger HBD-20-H6	F-B	8				100	VT-3	NA	NA	NA	NA	SK#12-2007
51-033	Rigid Hanger HBD-20-H7	F-B	8				100	VT-3	NA	NA	NA	NA	SK#12-2008
51-034	Rigid Hanger HBD-20-H8	F-B	8				100	VT-3	NA	NA	NA	NA	SK#12-2009
51-035	Rigid Hanger HBD-20-H9	F-B	9				100	VT-3	NA	NA	NA	NA	SK#HBD-20-H9A
51-036	Rigid Hanger HBD-20-H10	F-B	9				100	VT-3	NA	NA	NA	NA	SK#HBD-20-H10A
51-037	Rigid Hanger HBD-20-H11	F-B	9				100	VT-3	NA	NA	NA	NA	SK#12-2168
51-038	Rigid Hanger HBD-20-H12	F-B	9				100	VT-3	NA	NA	NA	NA	SK#12-2177
51-039	Rigid Hanger HBD-20-H13	F-B	9				100	VT-3	NA	NA	NA	NA	SK#12-2015
51-040	Rigid Hanger HBD-20-H14	F-B	9				100	VT-3	NA	NA	NA	NA	SK#12-2010
51-041	Rigid Hanger HBD-20-H15	F-B	9				100	VT-3	NA	NA	NA	NA	SK#HBD-20-APL-H1
51-042	Rigid Hanger HBD-20-H16	F-B	9				100	VT-3	NA	NA	NA	NA	SK#12-
51-043	Rigid Hanger HBD-20-H17	F-B	9				100	VT-3	NA	NA	NA	NA	SK#12-1414
51-044	Rigid Hanger HBD-20-H18	F-B	9				100	VT-3	NA	NA	NA	NA	SK#12-1415
51-045	Rigid Hanger HBD-20-H19	F-B	9				100	VT-3	NA	NA	NA	NA	SK#12-1416
51-046	Rigid Hanger HBD-20-H20	F-B	9				100	VT-4	NA	NA	NA	NA	SK#12-1416
51-047	Spring Hanger HBD-14-H16	F-C					100	VT-4	NA	NA	NA	NA	SK#12-1416

PROGRAM PLAN AND SCHEDULE

ZONE- 51

COMPONENT DESCRIPTION

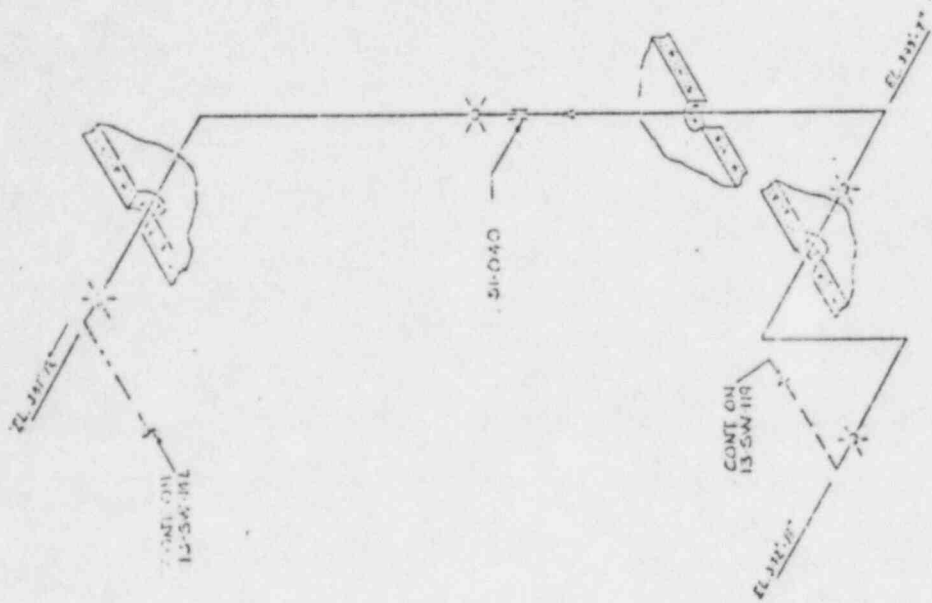
SERVICE WATER LOOP 2A OUTSIDE CONTAINMENT

FORM ENG-011

ANO-UNIT-ONE

PIPING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4				S	I	
51-048	Sway Strut HBD-14-H17	F3.50.4 F-C			11		100	VT-3	NA	NA	NA	SK#12-1417
51-049	Guide HBD-20-H30	F2.40.26 F-B			11		100	VT-3	NA	NA	NA	SK#12-2032
51-050	Rigid Hanger HBD-20-H12A	F2.40.27 F-B			11		100	VT-3	NA	NA	NA	SK#HRD-20-H12A
51-051	Guide HBD-20-H12	F2.40.28 F-B			11		100	VT-3	NA	NA	NA	SK#
51-052	Rigid Hanger HBD-20-H13	F2.40.29 F-B			11		100	VT-3	NA	NA	NA	SK#12-2012
51-053	Guide HBD-20-H14	F2.40.3 F-B			11		100	VT-3	NA	NA	NA	SK#12-2013
51-054	Rigid Hanger HBD-20-H15	F2.40.31 F-B			11		100	VT-3	NA	NA	NA	SK#12-2014
51-055	Rigid Hanger HBD-20-H30A	F2.40.32 F-B			11		100	VT-3	NA	NA	NA	SK#12-2034

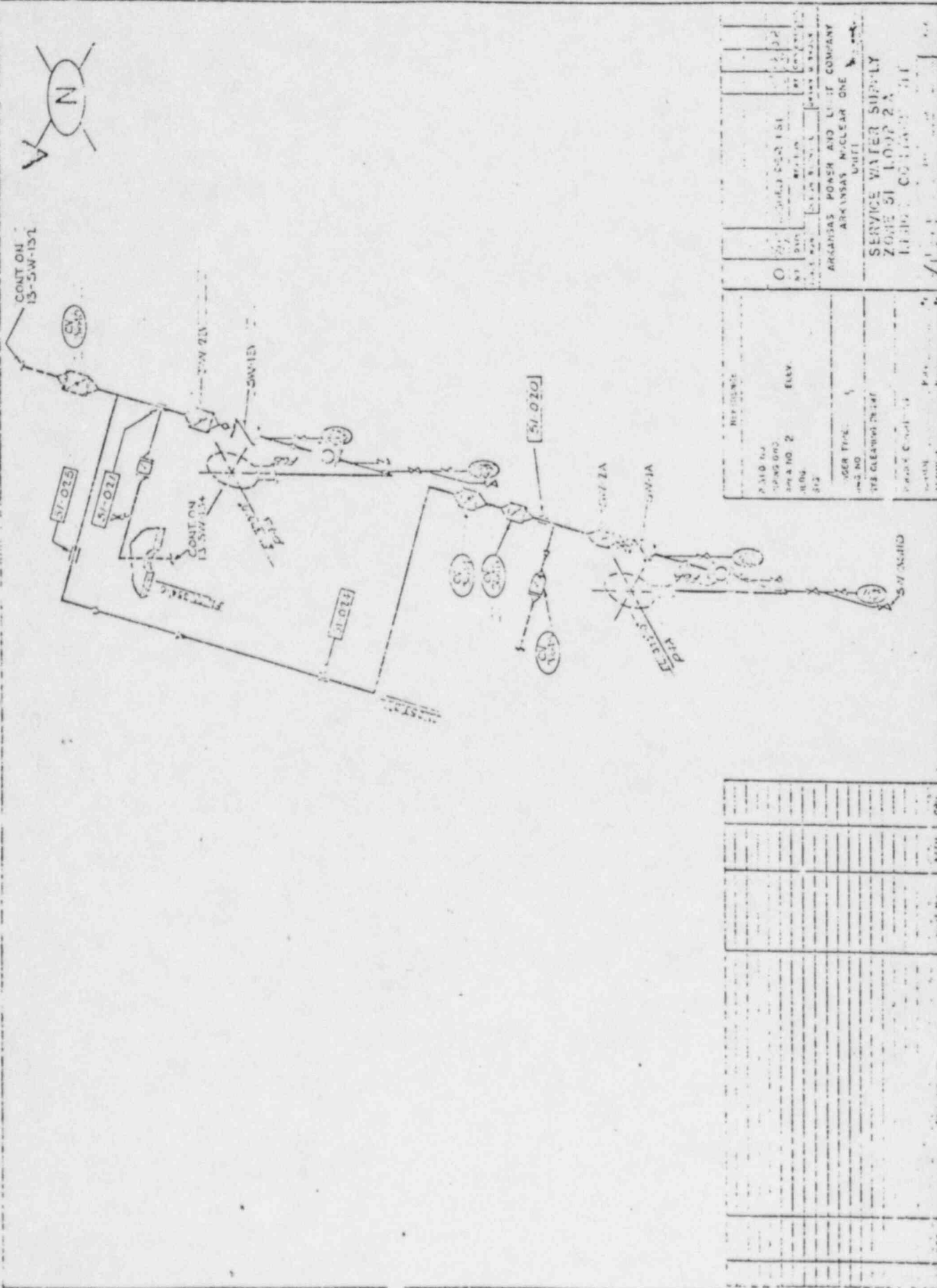


PROJECT NO.	13-5W 119
APP. NO.	4
DATE	12/15/54
BY	ELP
REVISIONS	
NO.	
DATE	
BY	
DESCRIPTION	
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ARKANSAS POWER AND LIGHT COMPANY
ARLINGTON, ARKANSAS

UNIT 1

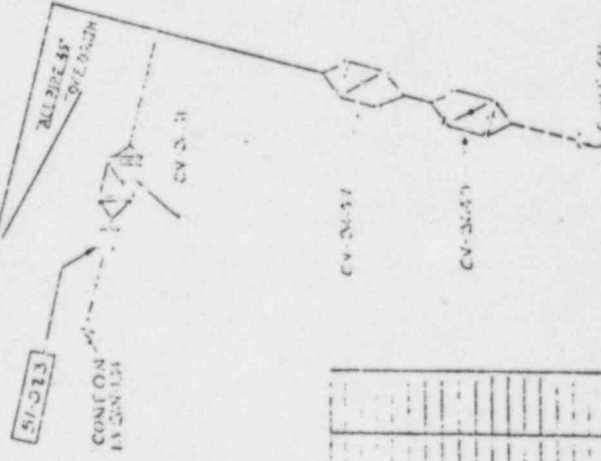
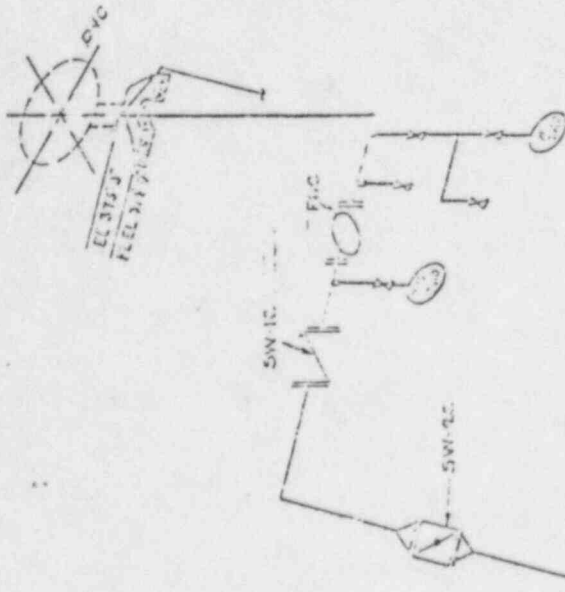
SURFACE WATER SUPPLY
ZONE 51 1012 2A
PROJECT CONFIDENTIAL



ARIZONA POWER AND LIGHT COMPANY
UNIT
SERVICE WATER SUPPLY
ZONE 51 LOOP 2A
LEGEND: C=CONTROL VALVE, V=VALVE, P=PIPE

REF. NUMBER	ELEV.
2.110 (R)	
ORIGIN (D)	
DATE (D)	
BY (S)	
CHK'D BY (S)	
DATE (D)	
CHECKED BY (S)	
DATE (D)	
APPROVED BY (S)	
DATE (D)	

REVISION	DATE	BY



REVISION	DATE	BY	APP'D
0	10/21/51	J. W. [unclear]	[unclear]
1	11/15/51	[unclear]	[unclear]
2	11/21/51	[unclear]	[unclear]
3	12/1/51	[unclear]	[unclear]
4	12/1/51	[unclear]	[unclear]
5	12/1/51	[unclear]	[unclear]
6	12/1/51	[unclear]	[unclear]
7	12/1/51	[unclear]	[unclear]
8	12/1/51	[unclear]	[unclear]
9	12/1/51	[unclear]	[unclear]
10	12/1/51	[unclear]	[unclear]

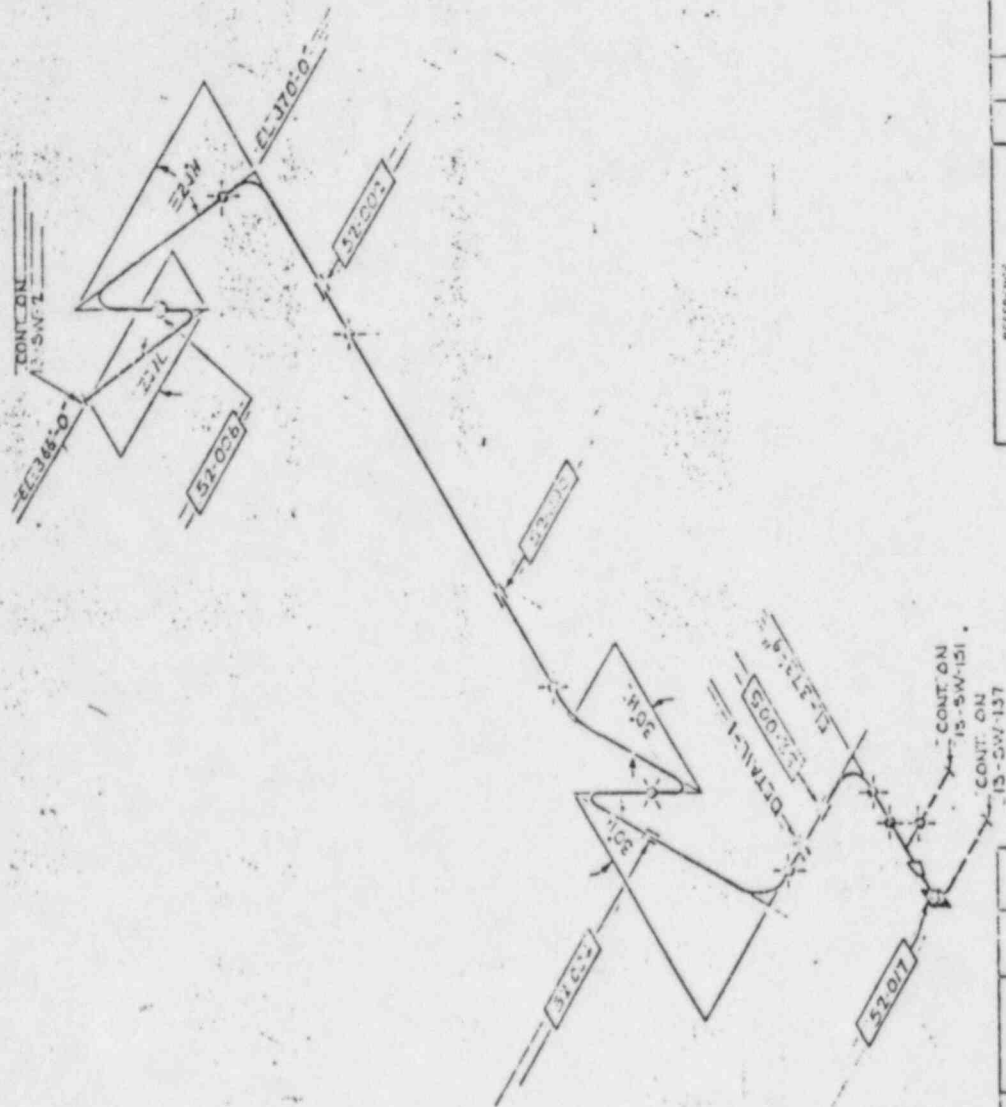
ARKANSAS POWER AND LIGHT COMPANY
UNIT
SERVICE WATER SUPPLY
ZONE 51 LOOP 2A
ELECTRICAL

NO.	DESCRIPTION	DATE	BY	APP'D
1	INSTALL	10/21/51	J. W. [unclear]	[unclear]
2	REVISION	11/15/51	[unclear]	[unclear]
3	REVISION	11/21/51	[unclear]	[unclear]
4	REVISION	12/1/51	[unclear]	[unclear]
5	REVISION	12/1/51	[unclear]	[unclear]
6	REVISION	12/1/51	[unclear]	[unclear]
7	REVISION	12/1/51	[unclear]	[unclear]
8	REVISION	12/1/51	[unclear]	[unclear]
9	REVISION	12/1/51	[unclear]	[unclear]
10	REVISION	12/1/51	[unclear]	[unclear]

FORM ENG-011
ANO-UNIT-ONE
PIPING PRESSURE BOUNDARY

PROGRAM PLAN AND SCHEDULE
ZONE-52
COMPONENT DESCRIPTION
SERVICE WATER LOOP 2A INSIDE CONTAINMENT

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
52-001	Spring Hanger HBD-20-H31	F3.50.1 F-C	7				100	VT-4	NA	NA	NA	NA	SK#12-2035
52-002	Guide HBD-21-H46	F2.40.1 F-B	7				100	VT-3	NA	NA	NA	NA	SK#12-2150
52-003	Guide HBD-21-H47	F2.40.2 F-B	7				100	VT-3	NA	NA	NA	NA	SK#12-2151
52-004	Guide HBD-21-H48	F2.40.3 F-C	8				100	VT-3	NA	NA	NA	NA	SK#12-2152
52-005	Guide HBD-21-H49	F2.40.4 F-B	8				100	VT-3	NA	NA	NA	NA	SK#12-2153
52-006	Spring Hanger HBD-21-H45	F3.50.2 F-C	8				100	VT-4	NA	NA	NA	NA	SK#12-2149
52-007	Spring Hanger HBD-14-H40	F3.50.3 F-C	9				100	VT-4	NA	NA	NA	NA	SK#12-1440
52-008	Rigid Hanger HBD-14-H41	F2.40.5 F-B	9				100	VT-3	NA	NA	NA	NA	SK#12-1441
52-009	Rigid Hanger HBD-14-H42	F2.40.6 F-B	9				100	VT-3	NA	NA	NA	NA	SK#12-1442
52-010	Spring Hanger HBD-14-H43	F3.50.4 F-C	10				100	VT-4	NA	NA	NA	NA	SK#12-1443
52-011	Rigid Hanger HBD-14-H44	F2.40.7 F-B	10				100	VT-3	NA	NA	NA	NA	SK#12-1444
52-012	Guide HBD-14-H45	F2.40.8 F-B	10				100	VT-3	NA	NA	NA	NA	SK#12-1445
52-013	Rigid Hanger HBD-14-H46	F2.40.9 F-B	11				100	VT-4	NA	NA	NA	NA	SK#12-1446
52-014	Rigid Hanger HBD-14-H47	F2.40.10 F-B	11				100	VT-3	NA	NA	NA	NA	SK#12-1447
52-015	Rigid Hanger HBD-14-H48	F2.40.11 F-B	11				100	VT-3	NA	NA	NA	NA	SK#12-1448
52-016	Rigid Hanger HBD-21-H52	F2.40.12 F-C	7				100	VT-3	NA	NA	NA	NA	SK#12-2156
52-017	Rigid Hanger HBD-21-H53	F2.40.13 F-B	8				100	VT-3	NA	NA	NA	NA	SK#12-2157
52-018	Rigid Hanger HBD-21-H54	F2.40.14 F-B	9				100	VT-3	NA	NA	NA	NA	SK#12-2158
52-019	Rigid Hanger HBD-21-H54	D2.20.1 DR	9				100	VT-3	NA	NA	NA	NA	SK#12-2158
52-020	Valve CV-3813	D2.10.1 DR	7	8	9	10	100	VT-2	NA	NA	NA	NA	System Leakage Test
52-020	Valve CV-3813	D2.10.2 DR	7	8	9	10	100	VT-2	NA	NA	NA	NA	System Hydrotest

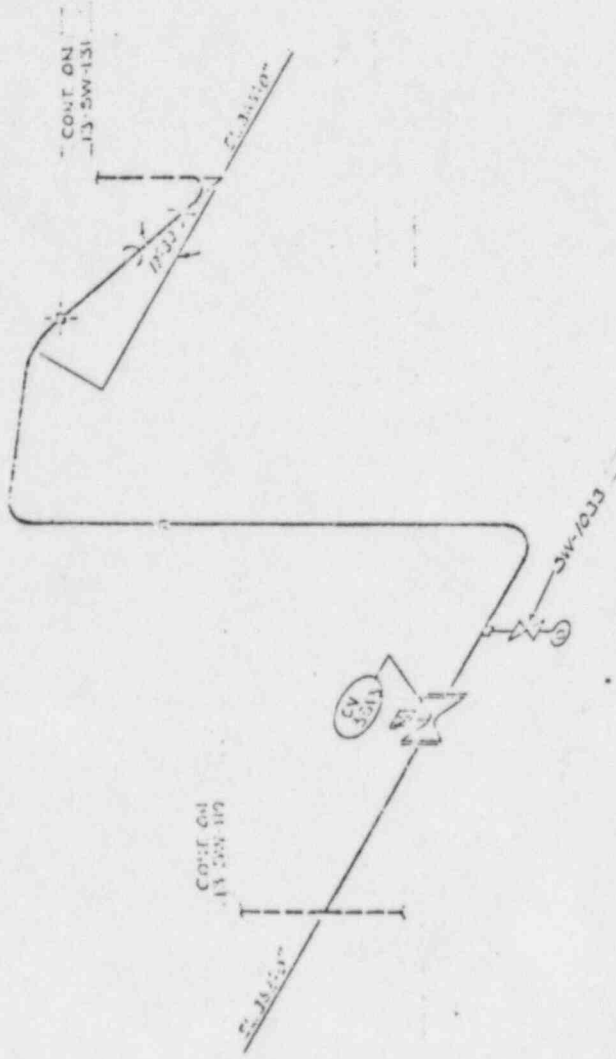


FE-307

 DETAIL

PROJECT NO.	15-SW-1
PIPING DES.	
ASST. NO.	
BLDG.	
SYST.	
SCALE	AS SHOWN
DATE	
BY	
CHECKED	
APPROVED	
DATE	
UNIT	
ARIZONA POWER AND LIGHT COMPANY	
ARIZONA NUCLEAR CHINA	
UNIT 1	
SERVICE WATER TO VES. CO.	

REFERENCE	
ELEV.	
MANAGER TYPE	
DESIGN NO.	
SYST. CLEANSING ROUTE	
DATE	
BY	
CHECKED	
APPROVED	
DATE	



PLANT NO.	ISSUED PER IS	DATE	BY
	REVISION		
PROJECT NO.	PROJECT NAME		
PLANT NO.	ARUNAS POWER AND LIGHT PROJECT		
AREA NO.	ARUNAS NUCLEAR GSE		
PLD	UNIT 1		
SIZE	3/8"		
MATERIAL		ELEV.	
HANGER TYPE			
SIZE CLASSIFICATION			
SERVICE		SERVICE WATER TO YOUNG ELEC ZONE 54	

PROGRAM PLAN AND SCHEDULE

ZONE- 53

COMPONENT DESCRIPTION

SERVICE WATER LOOPS 1A AND 2A COMMON RETURN IN CONTAINMENT

FORM ENG-011

ANO-UNIT-ONE

PIPING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCY	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4				S	I	
53-001	Guide HBD-21-H41	F2.40.1 F-B	X				100	VT-3	NA	NA	NA	SK#12-2145
53-002	Guide HBD-21-H40	F2.40.2 F-B	X				100	VT-3	NA	NA	NA	SK#12-2144
53-003	Spring Hanger HBD-21-H39	F3.50.1 F-C		X			100	VT-4	NA	NA	NA	SK#12-2143
53-004	Guide HBD-21-H37	F2.40.3 F-B	X				100	VT-3	NA	NA	NA	SK#12-2141
53-005	Guide HBD-21-H36	F2.40.4 F-B		X			100	VT-3	NA	NA	NA	SK#12-2140
53-006	Guide HBD-21-H35	F2.40.5 F-B		X			100	VT-3	NA	NA	NA	SK#12-2139
53-007	Spring Hanger HBD-21-H34	F3.50.2 F-C			X		100	VT-4	NA	NA	NA	SK#12-2138
53-008	Rigid Hanger HBD-21-H44	F2.40.6 F-B			X		100	VT-3	NA	NA	NA	SK#12-2148
53-009	Rigid Hanger HBD-21-H55	F2.40.7 F-B				X	100	VT-3	NA	NA	NA	SK#12-2159
53-010	Rigid Hanger HBD-21-H43	F2.40.8 F-B				X	100	VT-3	NA	NA	NA	SK#12-2147
53-011	Spring Hanger HBD-21-H46	D2.20.1 DR				X	100	VT-3	NA	NA	NA	SK#12-2148

FORM ENG-011

PROGRAM PLAN AND SCHEDULE

ZONE - 54

COMPONENT DESCRIPTION

PIPING PRESSURE BOUNDARY

SERVICE WATER LOOPS 1A AND 2A COMMON RETURN OUTSIDE CONTAINMENT

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4				S	I WP	
54-001	Valve SW-228	02.10.1	8	8	10	1	100	NA	NA	NA	NA	System Leakage Test
54-001	Valve SW-228	02.10.2	8	8	10	1	100	NA	NA	NA	NA	System Hydrotest
54-002	Valve CV-3823	02.10.3	8	8	10	1	100	NA	NA	NA	NA	System Leakage Test
54-002	Valve CV-3823	02.10.4	8	8	10	1	100	NA	NA	NA	NA	System Hydrotest
54-003	Valve CV-3307	02.10.5	8	8	10	1	100	NA	NA	NA	NA	System Leakage Test
54-003	Valve CV-3307	02.10.6	8	8	10	1	100	NA	NA	NA	NA	System Hydrotest
54-004	Valve CV-3806	02.10.7	8	8	10	1	100	NA	NA	NA	NA	System Leakage Test
54-004	Valve CV-3806	02.10.8	8	8	10	1	100	NA	NA	NA	NA	System Hydrotest
54-005	Valve SW-19A	02.10.9	8	8	10	1	100	NA	NA	NA	NA	System Leakage Test
54-006	Valve SW-19B	02.10.11	8	8	10	1	100	NA	NA	NA	NA	System Hydrotest
54-006	Valve SW-19B	02.10.12	8	8	10	1	100	NA	NA	NA	NA	System Leakage Test
54-007	Valve CV-3815	02.10.13	8	8	10	1	100	NA	NA	NA	NA	System Leakage Test
54-007	Valve CV-3815	02.10.14	8	8	10	1	100	NA	NA	NA	NA	System Hydrotest
54-008	Spring Hanger HBD-21-H34	03.50.1	7	7	7	7	100	NA	NA	NA	NA	SK#12-2138
54-009	Spring Hanger HBD-21-H57	03.50.2	7	7	7	7	100	NA	NA	NA	NA	SK#12-2161
54-010	Spring Hanger HBD-21-H56	03.50.3	7	7	7	7	100	NA	NA	NA	NA	SK#12-2160
54-011	Spring Hanger HBD-21-H58	03.50.4	7	7	7	7	100	NA	NA	NA	NA	SK#12-2162
54-012	Guide HBD-21-H74	02.40.1	7	7	7	7	100	NA	NA	NA	NA	SK#12-2182
54-013	Spring Hanger HBD-21-75	03.50.5	7	7	7	7	100	NA	NA	NA	NA	SK#12-2183
54-014	Guide HBD-21-76	02.40.2	7	7	7	7	100	NA	NA	NA	NA	SK#12-1457
54-015	Guide HBD-14-SW20	02.40.3	7	7	7	7	100	NA	NA	NA	NA	SK#12-1457
54-016	Guide HBD-21-H101	02.40.4	7	7	7	7	100	NA	NA	NA	NA	SK#12-2177
54-017	Sway Strut HBD-21-H62	03.50.6	7	7	7	7	100	NA	NA	NA	NA	SK#12-2166
54-018	Guide HBD-21-H61	02.40.5	7	7	7	7	100	NA	NA	NA	NA	SK#12-2165
54-019	Spring Hanger HBD-21-H59	03.50.7	7	7	7	7	100	NA	NA	NA	NA	SK#12-2163
54-020	Sway Strut HBD-21-H60	03.50.8	7	7	7	7	100	NA	NA	NA	NA	SK#12-2164
54-021	Guide HBD-21-H103	02.40.6	7	7	7	7	100	NA	NA	NA	NA	SK#12-2179
54-022	Guide HBD-21-H102	02.40.7	7	7	7	7	100	NA	NA	NA	NA	SK#12-2178
54-023	Restraint SW-8	02.40.8	7	7	7	7	100	NA	NA	NA	NA	SK#12-2068
54-024	Restraint SW-9	02.40.9	7	7	7	7	100	NA	NA	NA	NA	SK#12-2068
54-025	Guide SW-5	02.40.10	7	7	7	7	100	NA	NA	NA	NA	SK#12-2065
54-026	Guide SW-4	02.40.11	7	7	7	7	100	NA	NA	NA	NA	SK#12-2064

PROGRAM PLAN AND SCHEDULE

ZONE - 54

COMPONENT DESCRIPTION

SERVICE WATER LOOPS 1A AND 2A COMMON RETURNS OUTSIDE CONTAINMENT

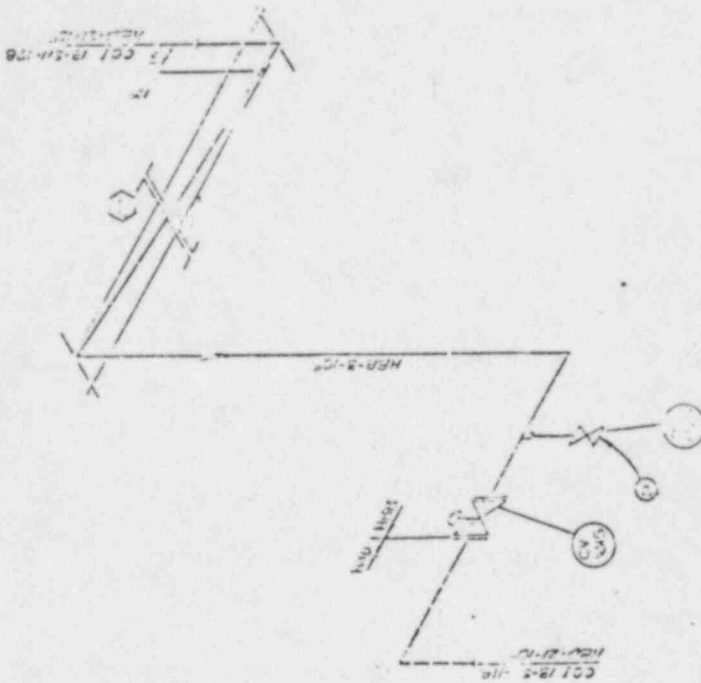
FORM ENG-011

AMO-UNIT-ONE

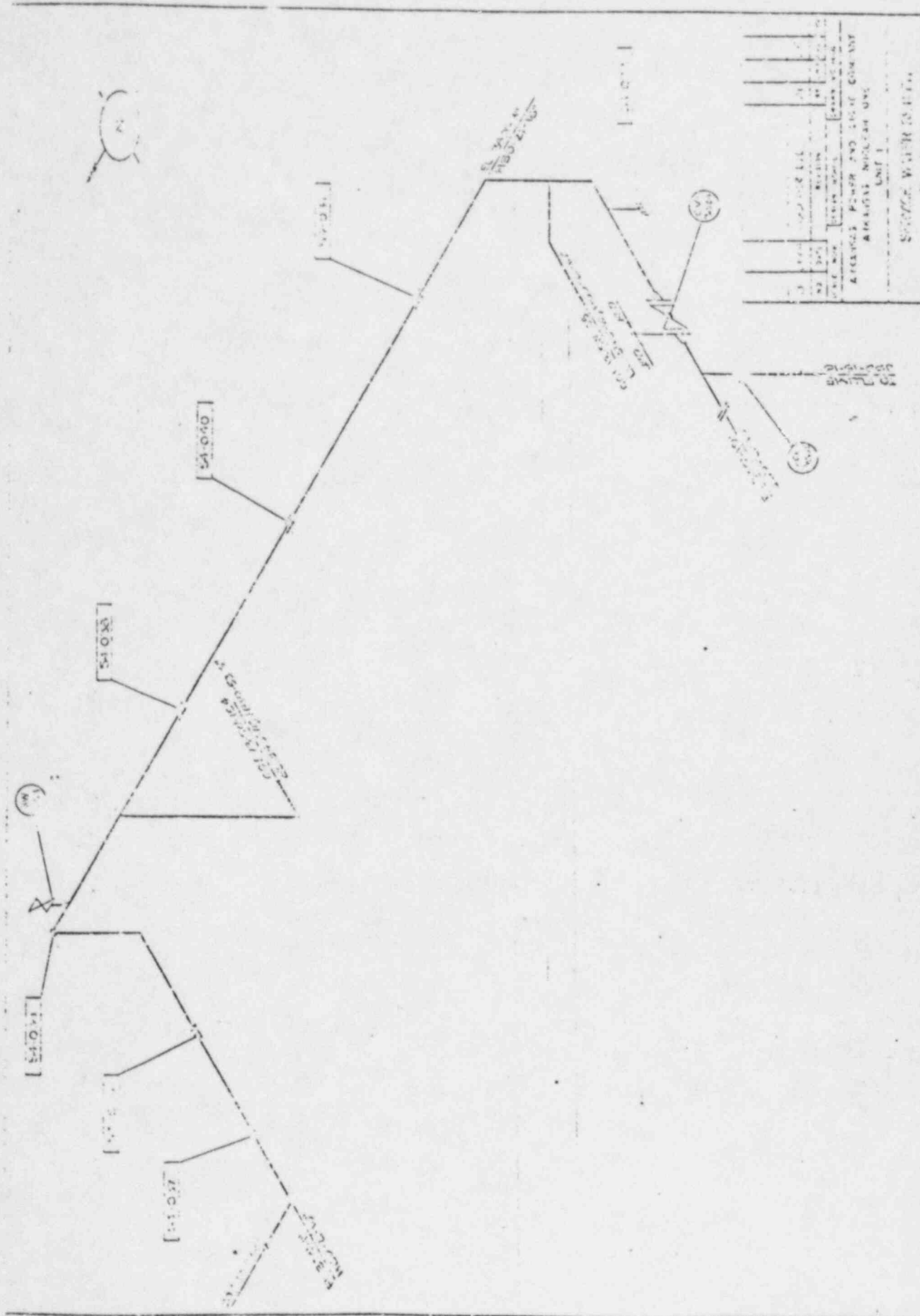
PIPING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
K4-027	Way Strat HBD-20-H18	F-3.50.9 F-C					100	NA	NA	NA	NA	NA	SK#12-2018
K4-028	Guide HBD-21-H30	F-2.40.12 F-B					100	NA	NA	NA	NA	NA	SK#12-2132
K4-029	Guide HBD-21-H17	F-2.40.13 F-B					100	NA	NA	NA	NA	NA	SK#12-2116
K4-030	Rigid Hanger HBD-13-17C	F-2.40.14 F-B					100	NA	NA	NA	NA	NA	SK#HBD-13-17C
K4-031	Guide HBD-21-H31	F-2.40.15 F-B					100	NA	NA	NA	NA	NA	SK#12-2133
K4-032	Guide HBD-21-H25	F-2.40.16 F-B					100	NA	NA	NA	NA	NA	SK#12-2127
K4-033	Guide HBD-21-H25A	F-2.40.17 F-B					100	NA	NA	NA	NA	NA	SK#12-2127A
K4-034	Guide HBD-21-H26	F-2.40.18 F-B					100	NA	NA	NA	NA	NA	SK#12-2128
K4-035	Spring Hanger HBD-21-H27	F-3.50.10 F-C					100	NA	NA	NA	NA	NA	SK#12-2129
K4-036	Guide HBD-21-H11	F-2.40.19 F-B					100	NA	NA	NA	NA	NA	SK#12-2110
K4-037	Rigid Hanger HBD-21-H12	F-2.40.20 F-B					100	NA	NA	NA	NA	NA	SK#12-2111
K4-038	Guide HBD-21-H9	F-2.40.21 F-B					100	NA	NA	NA	NA	NA	SK#12-2108
K4-039	Rigid Hanger HBD-21-H10	F-2.40.22 F-B					100	NA	NA	NA	NA	NA	SK#12-2109
K4-040	Guide HBD-21-H8	F-2.40.23 F-B					100	NA	NA	NA	NA	NA	SK#12-2107
K4-041	Guide HBD-21-H7	F-2.40.24 F-B					100	NA	NA	NA	NA	NA	SK#12-2106
K4-042	Spring Hanger HBD-21-H6	F-3.50.11 F-C					100	NA	NA	NA	NA	NA	SK#12-2105
K4-043	Rigid Hanger HBD-21-H1	F-2.40.25 F-B					100	NA	NA	NA	NA	NA	SK#12-2100
K4-044	Guide HBD-21-H7	F-2.40.26 F-B					100	NA	NA	NA	NA	NA	SK#12-2101
K4-045	Rigid Hanger HBD-21-H3	F-2.40.27 F-B					100	NA	NA	NA	NA	NA	SK#12-2102
K4-046	Guide HBD-21-H4	F-2.40.28 F-B					100	NA	NA	NA	NA	NA	SK#HBD-21-H4
K4-047	Rigid Hanger HBD-21-H5	F-2.40.29 F-B					100	NA	NA	NA	NA	NA	SK#12-2104

11



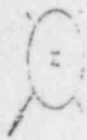
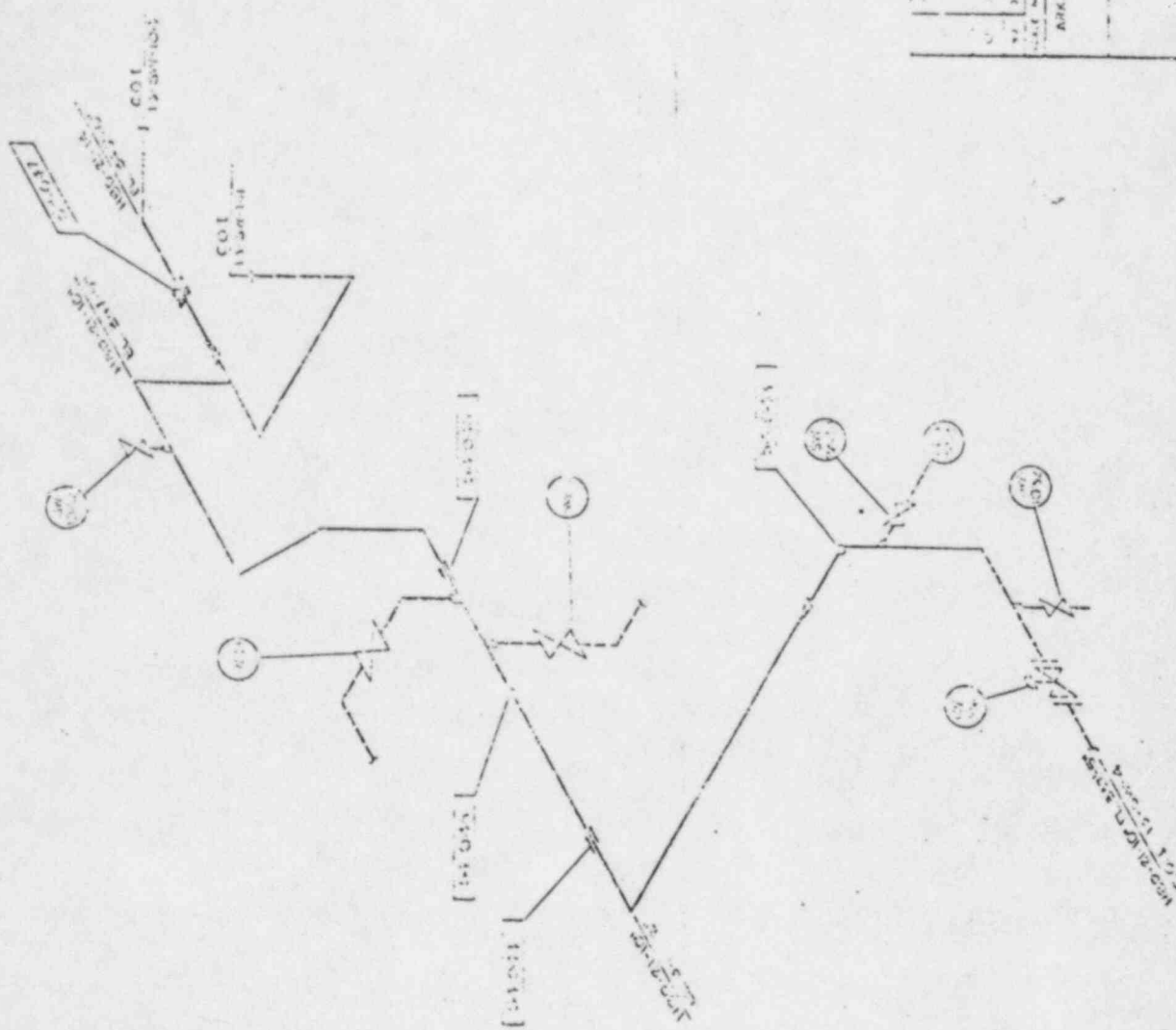
NO. 1	2	3	4	5	6
ARKANSAS POWER AND LIGHT COMPANY					
ARKANSAS NUCLEAR ONE					
SHEET 1					
SUNBELT WATER SYSTEM					
2025 24					



NO.	DESCRIPTION	QTY	UNIT
1	240 VAC 50 Hz 100 VA		
2	240 VAC 50 Hz 100 VA		
3	240 VAC 50 Hz 100 VA		
4	240 VAC 50 Hz 100 VA		
5	240 VAC 50 Hz 100 VA		
6	240 VAC 50 Hz 100 VA		
7	240 VAC 50 Hz 100 VA		
8	240 VAC 50 Hz 100 VA		
9	240 VAC 50 Hz 100 VA		
10	240 VAC 50 Hz 100 VA		

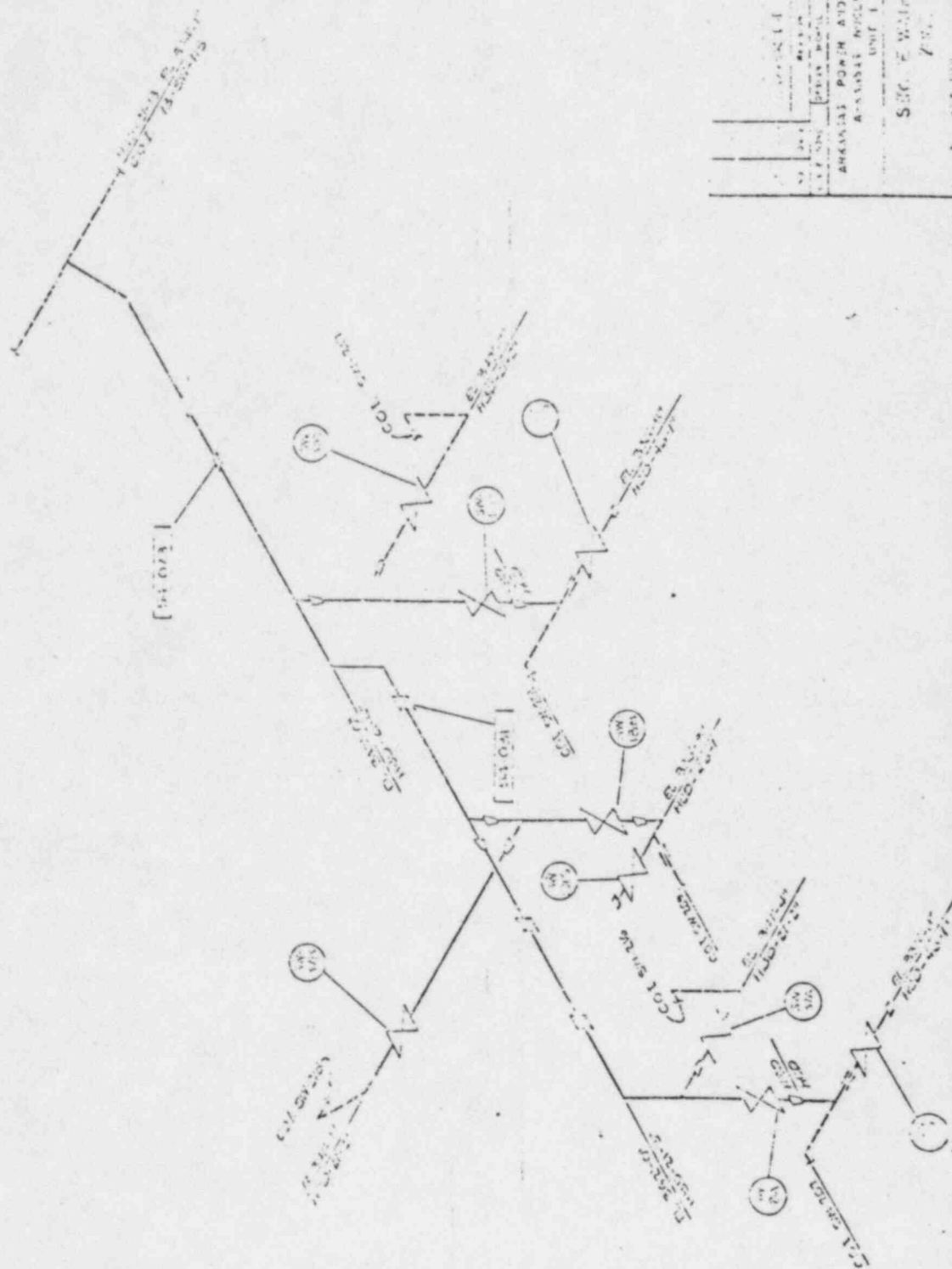
240 VAC
50 Hz
100 VA

240 VAC 50 Hz 100 VA
UNIT 1



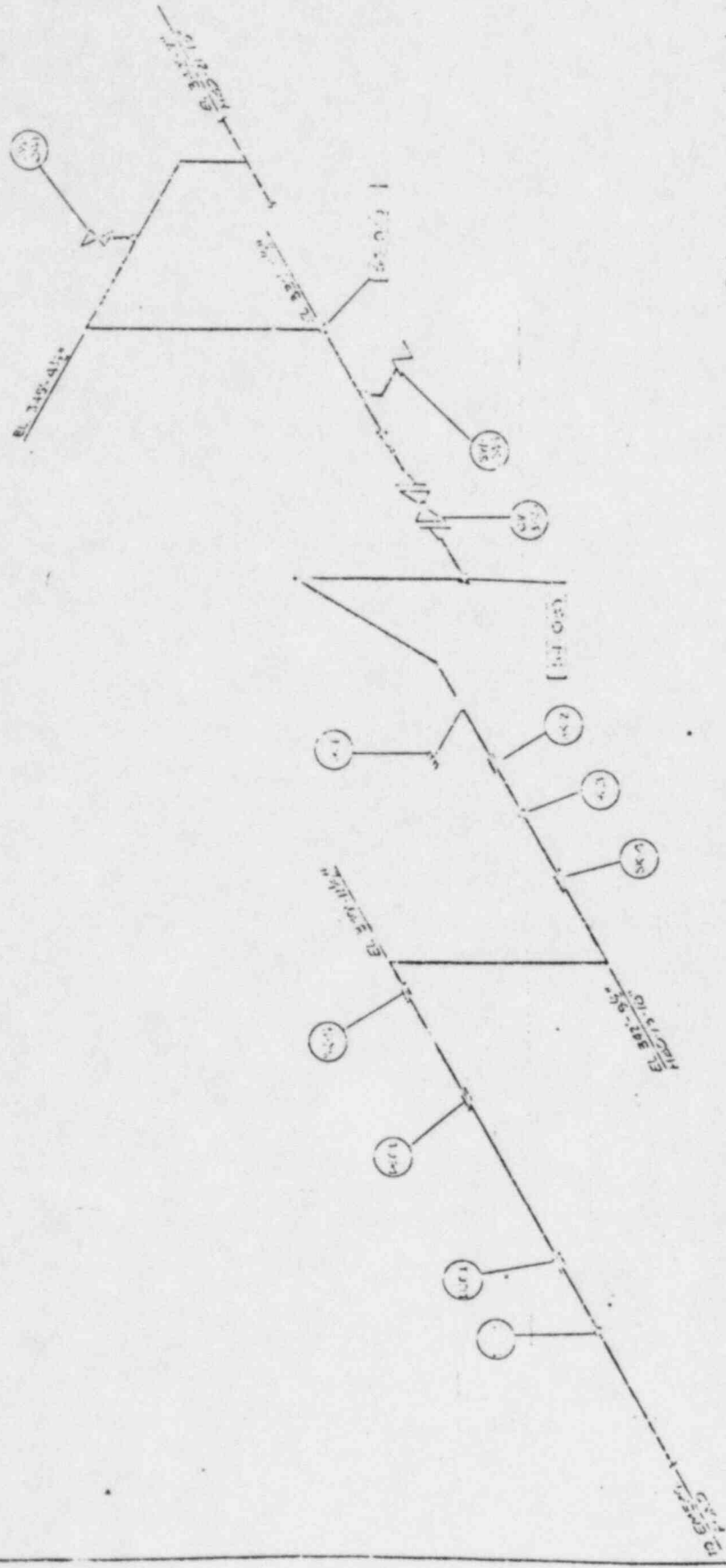
DATE	TIME	BY	REVISION

ARKANSAS POWER AND LIGHT COMPANY
 ARKANSAS NUCLEAR ONE
 UNIT 1
 STONE WALKER PLANT
 7-20-53



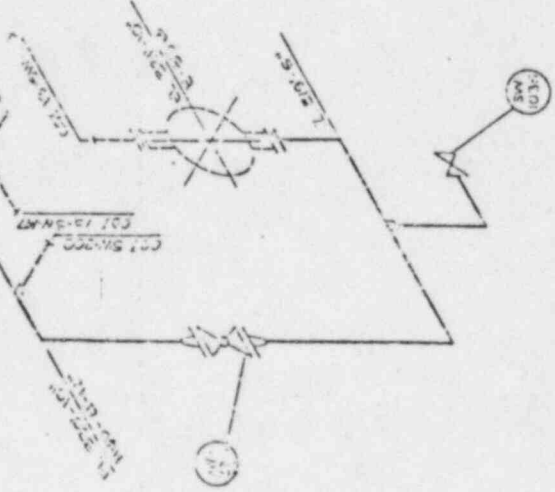
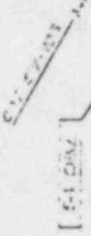
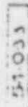
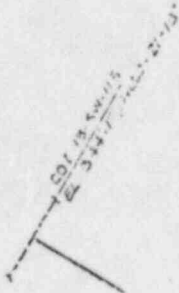
NO.	DESCRIPTION	DATE	BY

AMERICAN PAPER AND LIGHT COMPANY
 ANAHEIM, CALIFORNIA
 UNIT 1
 S. B. E. W. H. R. H. H. H.
 7-11-51



REVISIONS		DATE		BY		CHECKED	
NO.	DESCRIPTION	DATE	BY	DATE	BY	DATE	BY
1	ISSUED FOR CONSTRUCTION	10/1/51	J. H. [unclear]				
2	REVISION						
3	REVISION						
4	REVISION						
5	REVISION						
6	REVISION						
7	REVISION						
8	REVISION						
9	REVISION						
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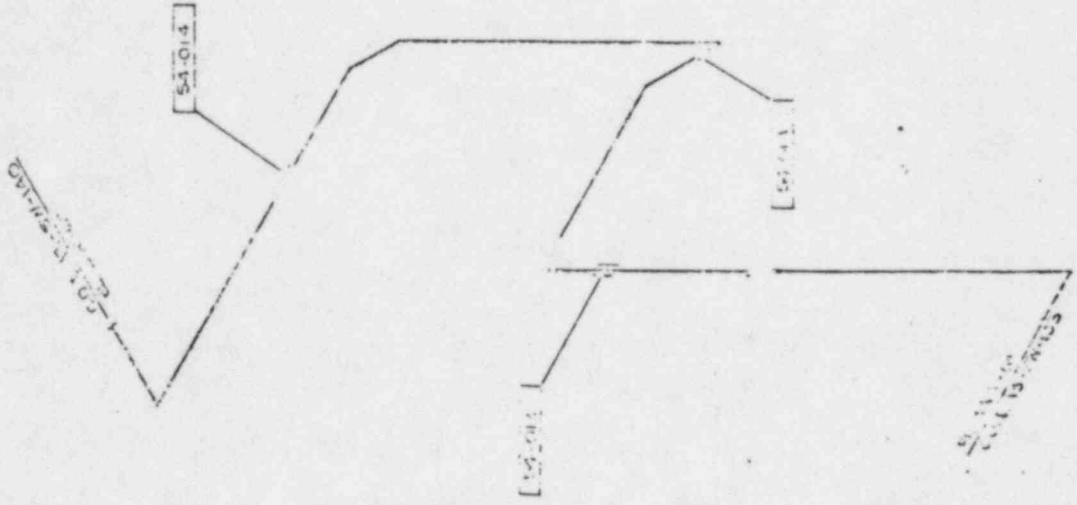
AIRCRAFT POWER AND LIGHT CONTROL
 AIRCRAFT NO. ONE
 UNIT 1
 SERVICE AIRCRAFT
 20 OCT 51



NO.	DATE	BY	APP'D	REVISION

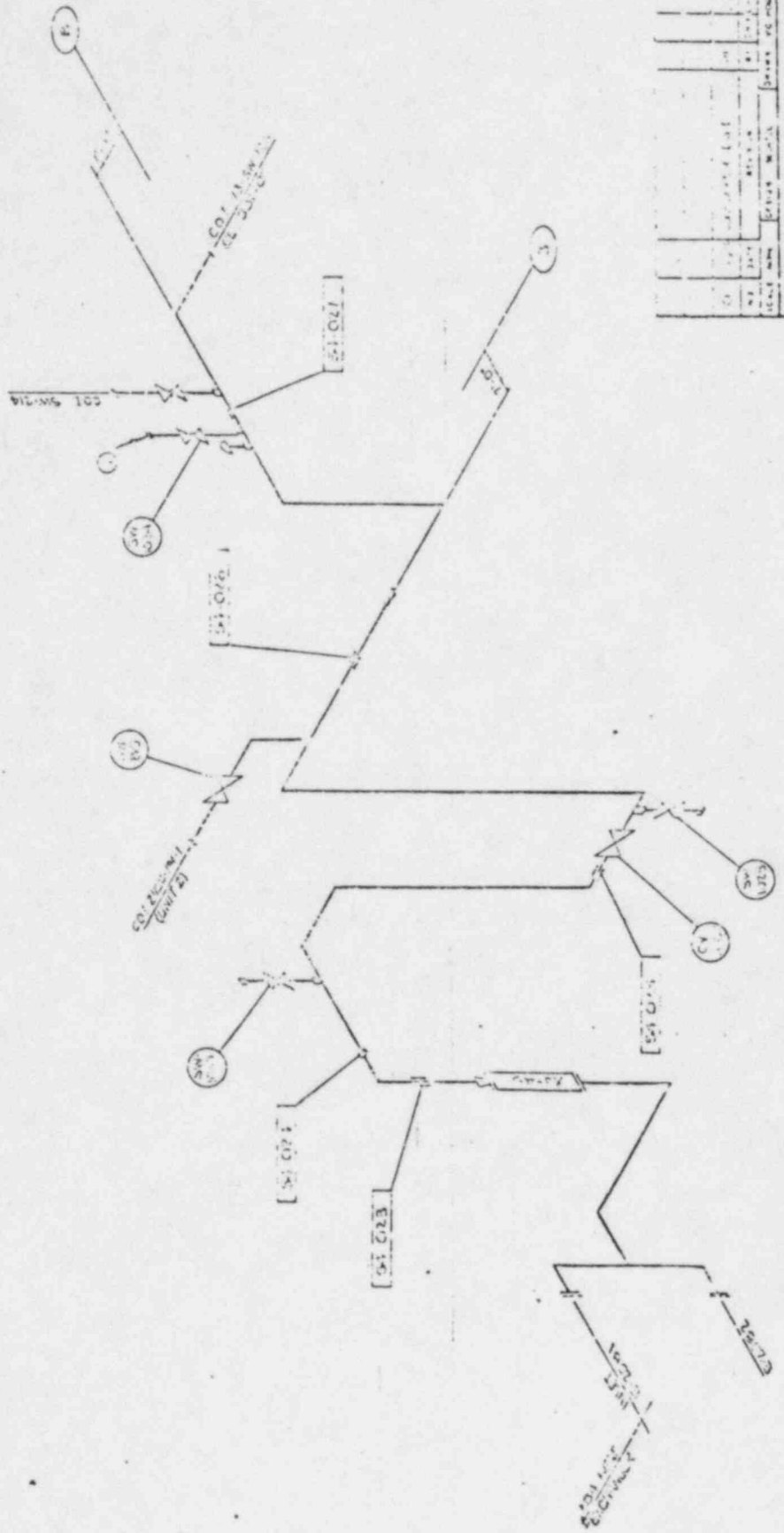
ARKANSAS POWER AND LIGHT COMPANY
ARKANSAS NUCLEAR ONE
UNIT 1

SCHEMATIC DRAWING
7-10-53



DATE	BY	REVISION

AMARKAS POWER AND LIGHT COMPANY
ARKANSAS NUCLEAR ONE
UNIT 1
STEAM WATER SYSTEM
4-11-51

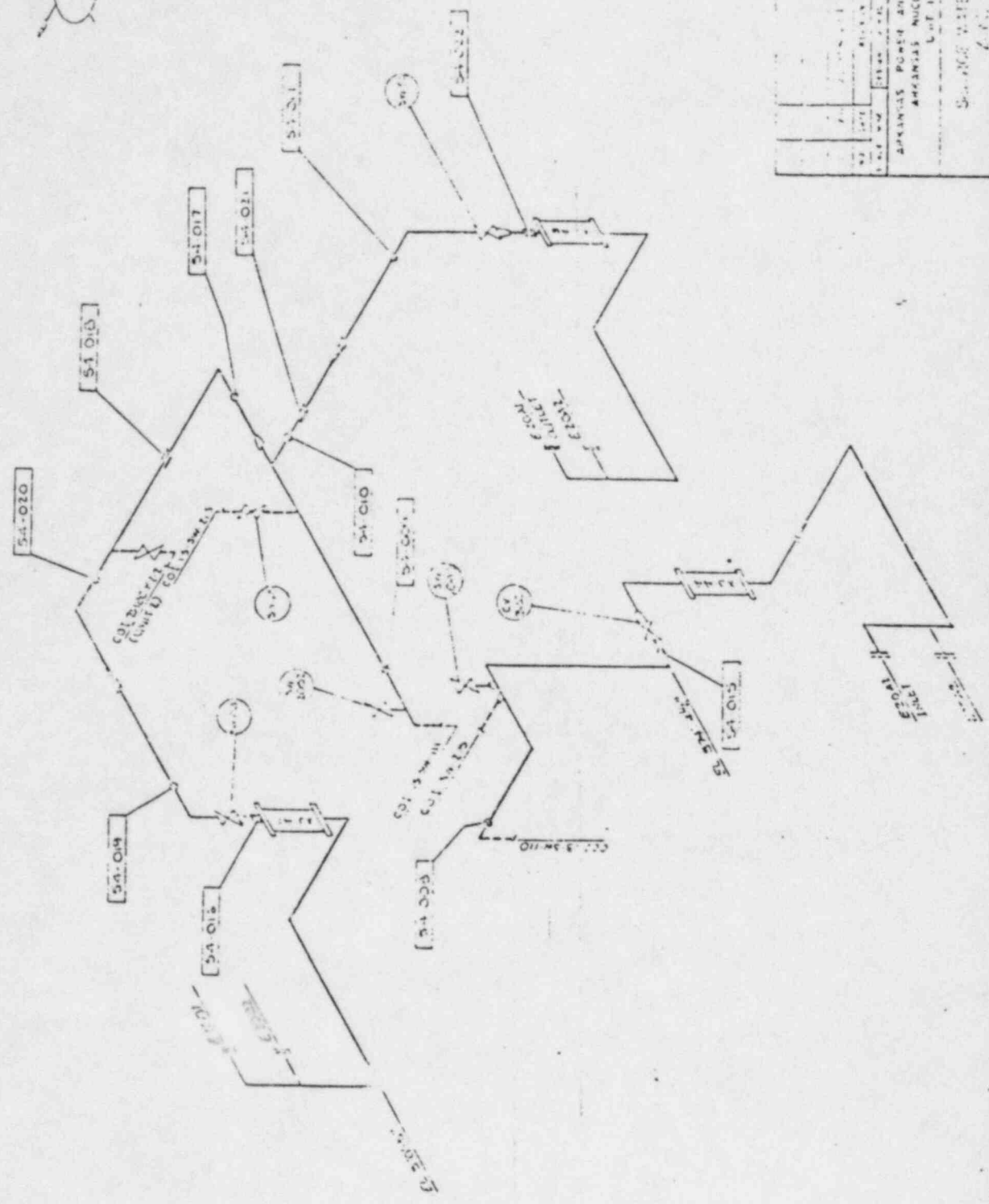


NO.	DESCRIPTION	DATE	BY	REVISION
1	ISSUED FOR CONSTRUCTION	11/1/57	J. M. [unclear]	
2	REVISED TO SHOW [unclear]	11/1/57	J. M. [unclear]	
3	REVISED TO SHOW [unclear]	11/1/57	J. M. [unclear]	

ARMANDO POWER AND LIGHT COMPANY
ARKANSAS NUCLEAR ONE
UNIT 1
SCALE: 1/4" = 100'

APR 1964		NOV 1964		MAY 1965	
REV. 1		REV. 2		REV. 3	
REV. 4		REV. 5		REV. 6	
REV. 7		REV. 8		REV. 9	
REV. 10		REV. 11		REV. 12	

APPLIANCE POWER AND LIGHT DIAGRAM
 AECG-148 NUCLEAR ONE
 1 of 1
 SOURCE WATER DIVISION
 7-10-64



FORM ENG-011

PROGRAM PLAN AND SCHEDULE
ZONE - 55
COMPONENT DESCRIPTION
BUILDING SPRAY LOOP A INSIDE CONTAINMENT

ANO-UNIT-ONE

FIPING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
55-001	Pump P35A To Pipe Circ Weld	CS.11.1	CF	7			100	PT	NA	X	X	X	
55-002	Pipe To Valve Circ Weld	CS.11.2	CF	7			100	PT	NA	X	X	X	
55-003	Valve To Ell Circ Weld	CS.11.3	CF	8			100	PT	NA	X	X	X	
55-004	Ell To Pipe Circ Weld	CS.11.4	CF	8			100	PT	NA	X	X	X	
55-005	Pipe To Ell Circ Weld	CS.11.5	CF	9			100	PT	NA	X	X	X	
55-006	Ell To Pipe Circ Weld	CS.11.6	CF	9			100	PT	NA	X	X	X	
55-007	Pipe To Ell Circ Weld	CS.11.7	CF		1D		100	PT	NA	X	X	X	
55-008	Ell To Pipe Circ Weld	CS.11.8	CF		1D		100	PT	NA	X	X	X	
55-009	Pipe To FE-2401 Circ Weld	CS.11.9	CF			11	100	PT	NA	X	X	X	
55-010	FE-2401 To Pipe Circ Weld	CS.11.10	CF				100	PT	NA	X	X	X	
55-011	Pipe To Ell Circ Weld	CS.11.11	CF				100	PT	NA	X	X	X	
55-012	Ell To Pipe Circ Weld	CS.11.12	CF				100	PT	NA	X	X	X	
55-013	Pipe To Ell Circ Weld	CS.11.13	CF				100	PT	NA	X	X	X	
55-014	Ell To Pipe Circ Weld	CS.11.14	CF				100	PT	NA	X	X	X	
55-015	Pipe To Ell Circ Weld	CS.11.15	CF				100	PT	NA	X	X	X	
55-016	Ell To Pipe Circ Weld	CS.11.16	CF				100	PT	NA	X	X	X	
55-017	Pipe To Tee Circ Weld	CS.11.17	CF				100	PT	NA	X	X	X	
55-018	Tee To Valve Circ Weld	CS.11.18	CF				100	PT	NA	X	X	X	
55-019	Valve To Pipe Circ Weld	CS.11.19	CF				100	PT	NA	X	X	X	
55-020	Pipe To Ell Circ Weld	CS.11.20	CF				100	PT	NA	X	X	X	
55-021	Ell To Pipe Circ Weld	CS.11.21	CF				100	PT	NA	X	X	X	
55-022	Pipe To Ell Circ Weld	CS.11.22	CF				100	PT	NA	X	X	X	
55-023	Ell To Pipe Circ Weld	CS.11.23	CF				100	PT	NA	X	X	X	
55-024	Pipe To Ell Circ Weld	CS.11.24	CF				100	PT	NA	X	X	X	
55-025	Ell To Pipe Circ Weld	CS.11.25	CF				100	PT	NA	X	X	X	
55-026	Pipe To Pipe Circ Weld	CS.11.26	CF				100	PT	NA	X	X	X	
55-027	Pipe To Ell Circ Weld	CS.11.27	CF				100	PT	NA	X	X	X	
55-028	Ell To Valve Circ Weld	CS.11.28	CF				100	PT	NA	X	X	X	
55-029	Tee To Valve Circ Weld	CS.11.29	CF				100	PT	NA	X	X	X	
55-030	Valve To Ell Circ Weld	CS.11.30	CF				100	PT	NA	X	X	X	
55-031	Ell To Pipe Circ Weld	CS.11.31	CF				100	PT	NA	X	X	X	
55-032	Pipe To Pipe Circ Weld	CS.11.32	CF				100	PT	NA	X	X	X	
55-033	Pipe To Ell Circ Weld	CS.11.33	CF				100	PT	NA	X	X	X	

FORM ENG-011 PROGRAM PLAN AND SCHEDULE

COMPONENT DESCRIPTION

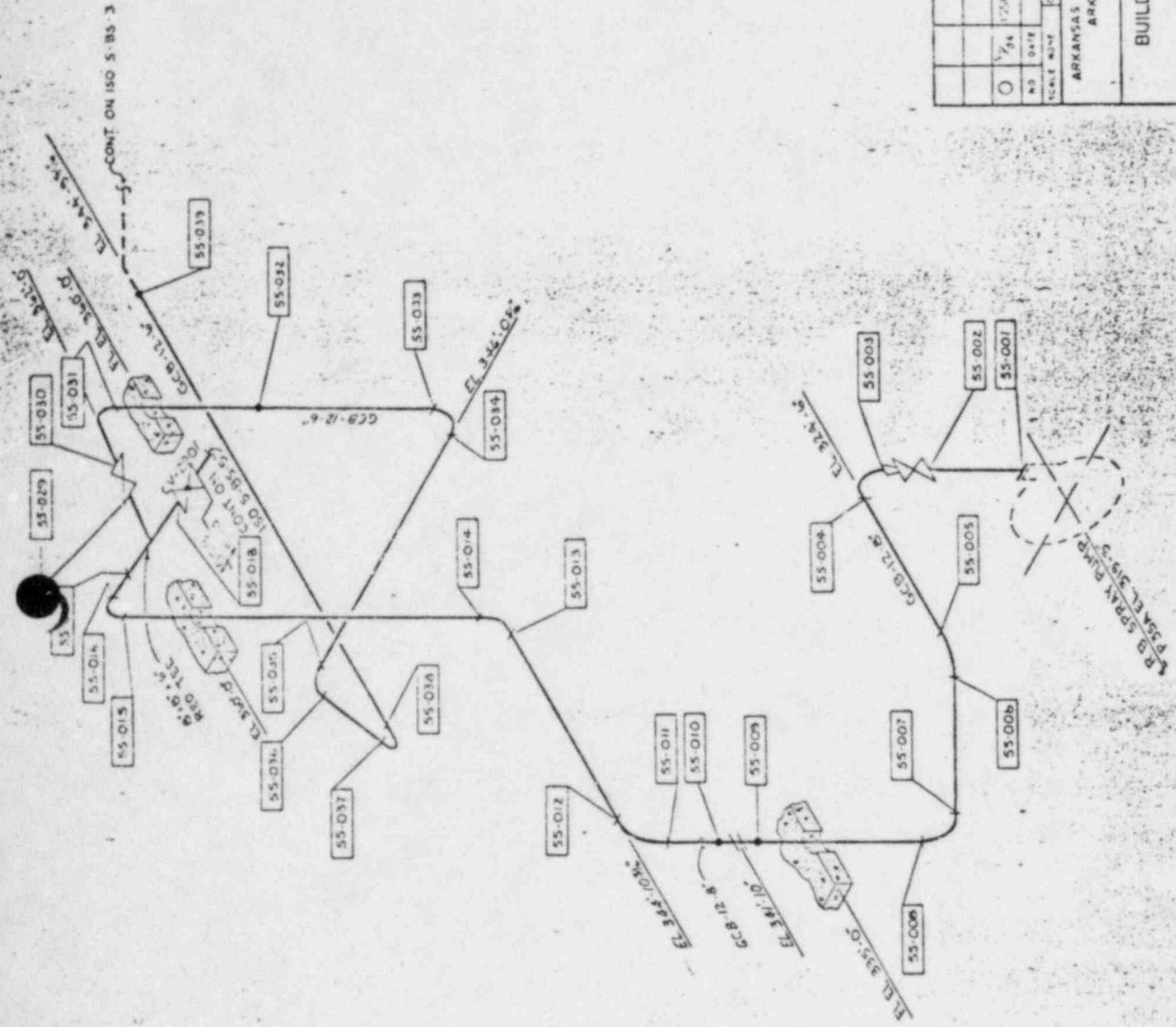
PIPING PRESSURE BOUNDARY BUILDING SPRAY LOOP A INSIDE CONTAINMENT

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
55-034	Ell To Pipe Circ Weld	55.11.34	CF				100	PT	NA				
55-035	Pipe To Ell Circ Weld	55.11.35	CF				100	PT	NA				
55-036	Ell To Pipe Circ Weld	55.11.36	CF				100	PT	NA				
55-037	Pipe To Ell Circ Weld	55.11.37	CF				100	PT	NA				
55-038	Ell To Pipe Circ Weld	55.11.38	CF				100	PT	NA				
55-039	Pipe To Ell Circ Weld	55.11.39	CF				100	PT	NA				
55-040	Ell To Pipe Circ Weld	55.11.40	CF				100	PT	NA				
55-041	Pipe To Ell Circ Weld	55.11.41	CF				100	PT	NA				
55-042	Ell To Ell Circ Weld	55.11.42	CF				100	PT	NA				
55-043	Ell To Pipe Circ Weld	55.11.43	CF				100	PT	NA				
55-044	Pipe To Tee Circ Weld	55.11.44	CF				100	PT	NA				
55-045	Tee To Pipe Circ Weld	55.11.45	CF				100	PT	NA				
55-046	Pipe To Ell Circ Weld	55.11.46	CF				100	PT	NA				
55-047	Ell To Pipe Circ Weld	55.11.47	CF				100	PT	NA				
55-048	Pipe To Pipe Circ Weld	55.11.48	CF				100	PT	NA				
55-049	Pipe To Ell Circ Weld	55.11.49	CF				100	PT	NA				
55-050	Ell To Pipe Circ Weld	55.11.50	CF				100	PT	NA				
55-051	Pipe To Valve Circ Weld	55.11.51	CF				100	PT	NA				
55-052	Tee To Pipe Circ Weld	55.11.52	CF				100	PT	NA				
55-053	Pipe To Ell Circ Weld	55.11.53	CF				100	PT	NA				
55-054	Ell To Pipe Circ Weld	55.11.54	CF				100	PT	NA				
55-055	Pipe To Pipe Circ Weld	55.11.55	CF				100	PT	NA				
55-056	Pipe To Ell Circ Weld	55.11.56	CF				100	PT	NA				
55-057	Ell To Pipe Circ Weld	55.11.57	CF				100	PT	NA				
55-058	Pipe To FO-1400 Circ Weld	55.11.58	CF				100	PT	NA				
55-059	FO-1400 To Pipe Circ Weld	55.11.59	CF				100	PT	NA				
55-060	Pipe To FO-1401 Circ Weld	55.11.60	CF				100	PT	NA				
55-061	FO-1401 To Pipe Circ Weld	55.11.61	CF				100	PT	NA				
55-062	Pipe To Ell Circ Weld	55.11.62	CF				100	PT	NA				
55-063	Ell To Pipe Circ Weld	55.11.63	CF				100	PT	NA				
55-064	Pipe To Ell Circ Weld	55.11.64	CF				100	PT	NA				
55-065	Ell To Pipe Circ Weld	55.11.65	CF				100	PT	NA				
55-066	Pipe To Valve Circ Weld	55.11.66	CF				100	PT	NA				

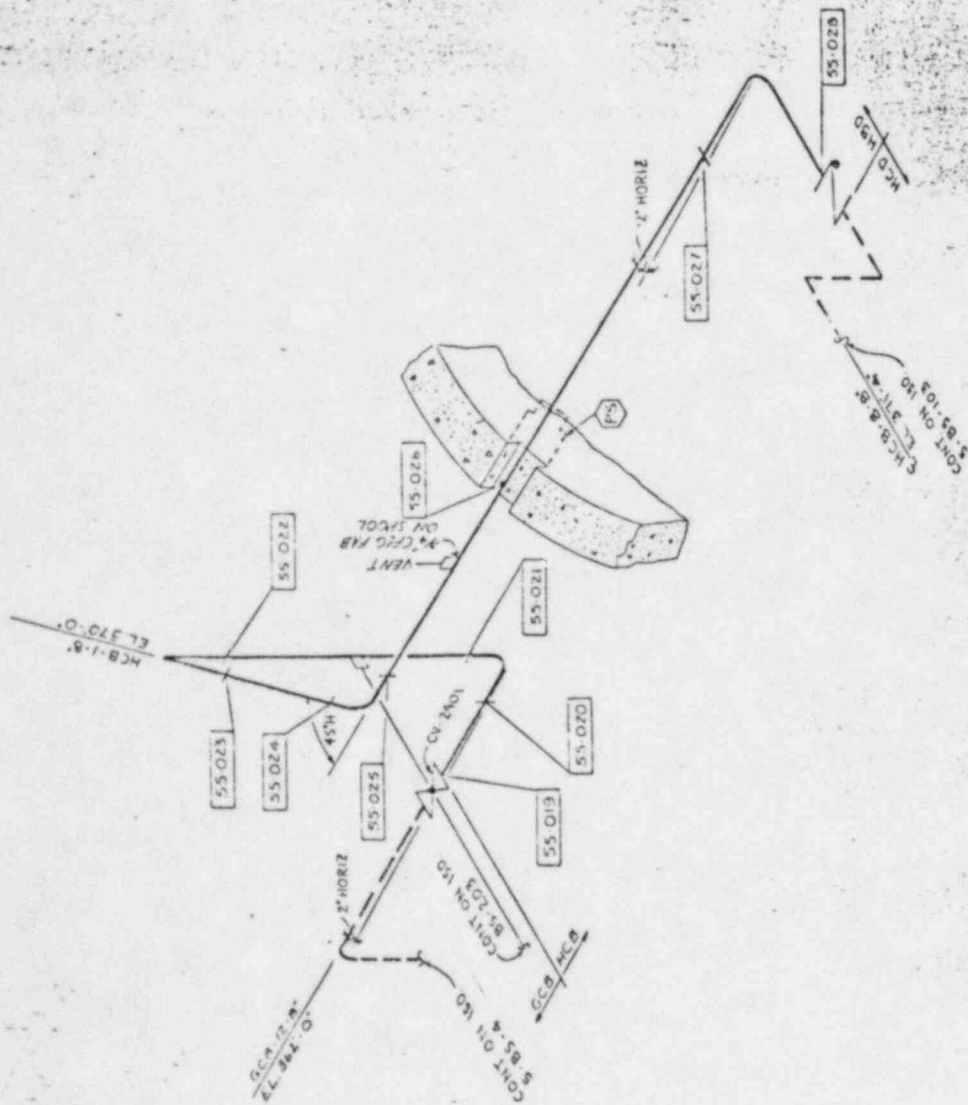
FORM ENG-011
ANO-UNIT-ONE
PROGRAM PLAN AND SCHEDULE
ZONE-55
COMPONENT DESCRIPTION
BUILDING SPRAY LOOP A INSIDE CONTAINMENT

PIPING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SC:	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
55-067	Building Spray Pump P35A	CH 7	8	9	10	100	VT-2	NA	NA	NA	NA	Pressure Retaining Boundary	
55-068	Building Spray Pump P35A	CH 7	8	9	10	100	VT-2	NA	NA	NA	NA	Pressure Retaining Boundary	
55-069	Valve BS-1A	CH 7	8	9	10	100	VT-2	NA	NA	NA	NA	Pressure Retaining Boundary	
55-070	Valve BS-1A	CH 7	8	9	10	100	VT-2	NA	NA	NA	NA	Pressure Retaining Boundary	
55-071	Valve CV-2401	CH 7	8	9	10	100	VT-2	NA	NA	NA	NA	Pressure Retaining Boundary	
55-072	Valve CV-2401	CH 7	8	9	10	100	VT-2	NA	NA	NA	NA	Pressure Retaining Boundary	
55-073	Valve BS-2A	CH 7	8	9	10	100	VT-2	NA	NA	NA	NA	Pressure Retaining Boundary	
55-074	Valve BS-2A	CH 7	8	9	10	100	VT-2	NA	NA	NA	NA	Pressure Retaining Boundary	
55-075	Valve BS-4A	CH 7	8	9	10	100	VT-2	NA	NA	NA	NA	Pressure Retaining Boundary	
55-076	Valve BS-4A	CH 7	8	9	10	100	VT-3	NA	NA	NA	NA	Pressure Retaining Boundary	
55-077	Guide Hanger BS-62	F-B 7				100	VT-3	NA	NA	NA	NA	SK#9-1211	
55-078	Rigid Hanger BS-42	F-B 7				100	VT-3	NA	NA	NA	NA	SK#9-1210	
55-079	Guide Hanger BS-41	F-B 7				100	VT-3	NA	NA	NA	NA	SK#9-1209	
55-080	Rigid Hanger BS-40	F-B 7				100	VT-3	NA	NA	NA	NA	SK#9-1207	
55-081	Guide Hanger BS-39	F-B 7				100	VT-3	NA	NA	NA	NA	SK#9-1205	
55-082	Guide Hanger BS-38	F-B 7				100	VT-3	NA	NA	NA	NA	SK#9-1204	
55-083	Rigid Hanger BS-37	F-B 7				100	VT-3	NA	NA	NA	NA	SK#9-1201	
55-084	Spring Hanger BS-36	F-C 8				100	VT-4	NA	NA	NA	NA	SK#9-1200	
55-085	Spring Hanger BS-43	F-C 9				100	VT-4	NA	NA	NA	NA	SK#9-1234	
55-086	Spring Hanger BS-44	F-C 9				100	VT-4	NA	NA	NA	NA	SK#9-1235	
55-087	Guide Hanger BS-63	F-B 7				100	VT-3	NA	NA	NA	NA	SK#9-1212	
55-088	Guide Hanger BS-67	F-B 7				100	VT-3	NA	NA	NA	NA	SK#9-1214	
55-089	Guide Hanger BS-65	F-B 7				100	VT-3	NA	NA	NA	NA	SK#9-1213	
55-090	Guide Hanger GCB-12-BS-69	F-B 7				100	VT-3	NA	NA	NA	NA	SK#9-1215	
55-091	Spring Hanger BS-70	F-C 7				100	VT-4	NA	NA	NA	NA	SK#9-1216	
55-092	Rigid Hanger BS-71	F-B 7				100	VT-3	NA	NA	NA	NA	SK#9-1217	
55-093	Pressure Retaining Components	CH 7	8	9	10	100	VT-2	NA	NA	NA	NA	Pressure Retaining Boundary	
55-094	Pressure Retaining Components	CH 7	8	9	10	100	VT-2	NA	NA	NA	NA	Pressure Retaining Boundary	



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NO	DATE	BY	CHKD
SCALE	DATE	BY	CHKD
ARKANSAS POWER AND LIGHT COMPANY ARKANSAS NUCLEAR ONE UNIT 1			
BUILDING SPRAY LOOP A ZONE-55			
DRAWING NO			REV
ISI-155			0
			OF 3



NO	DATE	ISSUED PER	REVISION	BY	CHKD BY
0					

TICKET NO. 55-027
 DESIGNED BY: []
 DRAWN BY: []
 CHECKED BY: []
 APPROVED BY: []

ARKANSAS POWER AND LIGHT COMPANY
 ARKANSAS NUCLEAR ONE
 UNIT 1

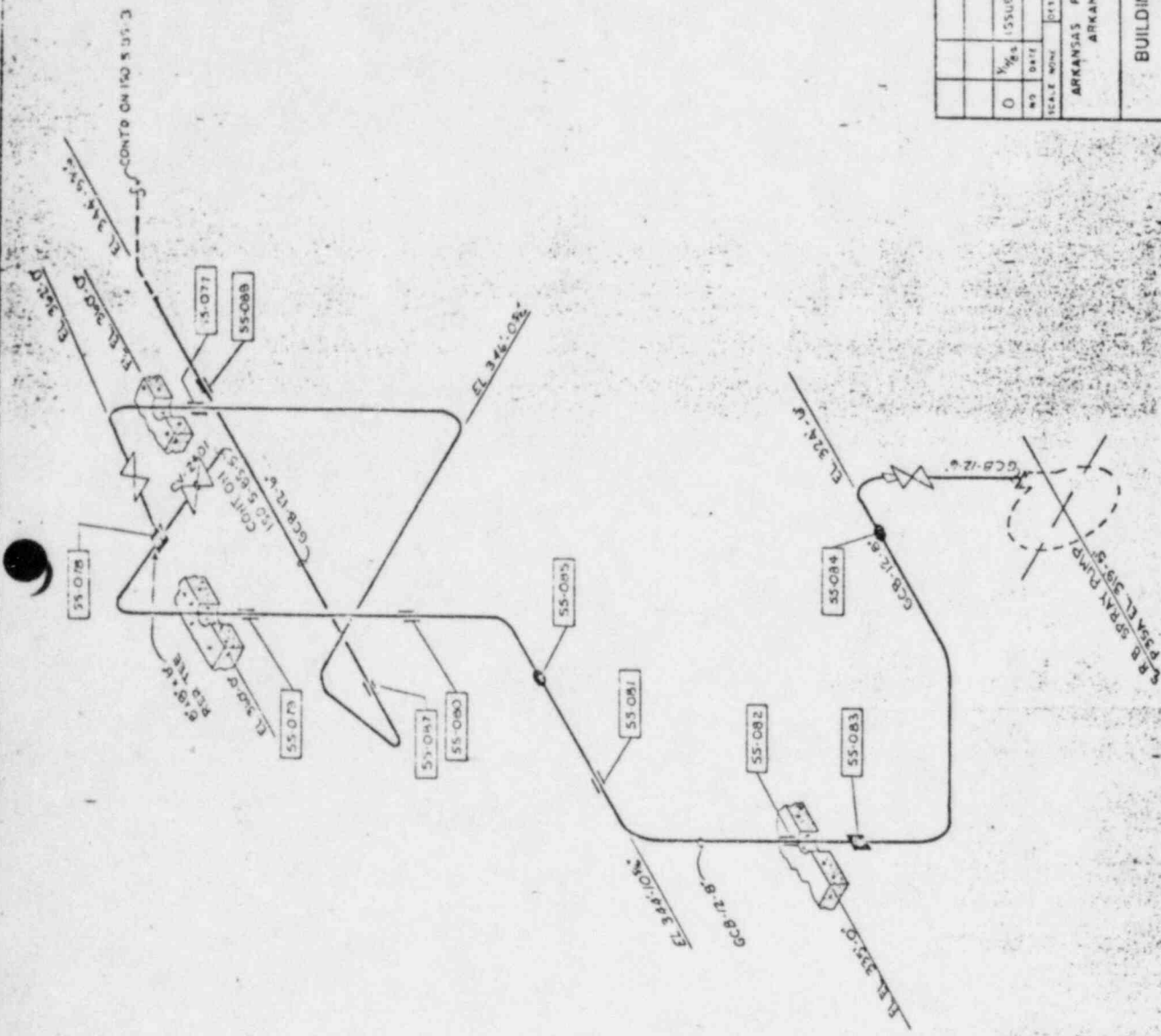
**BUILDING SPRAY LOOP A
 ZONE-55**

DATE: 11/15/55
 SHEET NO. 0



NO.	ISSUED PER	DATE	BY	SCALE
0	131	7/2
SCALE NAME: 1/4" = 1'-0" DRAWN BY: T. NICHOL				
ARIZONA POWER AND LIGHT COMPANY ARKANSAS NUCLEAR ONE UNIT 1				
BUILDING SPRAY LOOP A ZONE-55				
DRAWN BY: ...				
DATE: ...				
SHEET NO. 3 OF 3				



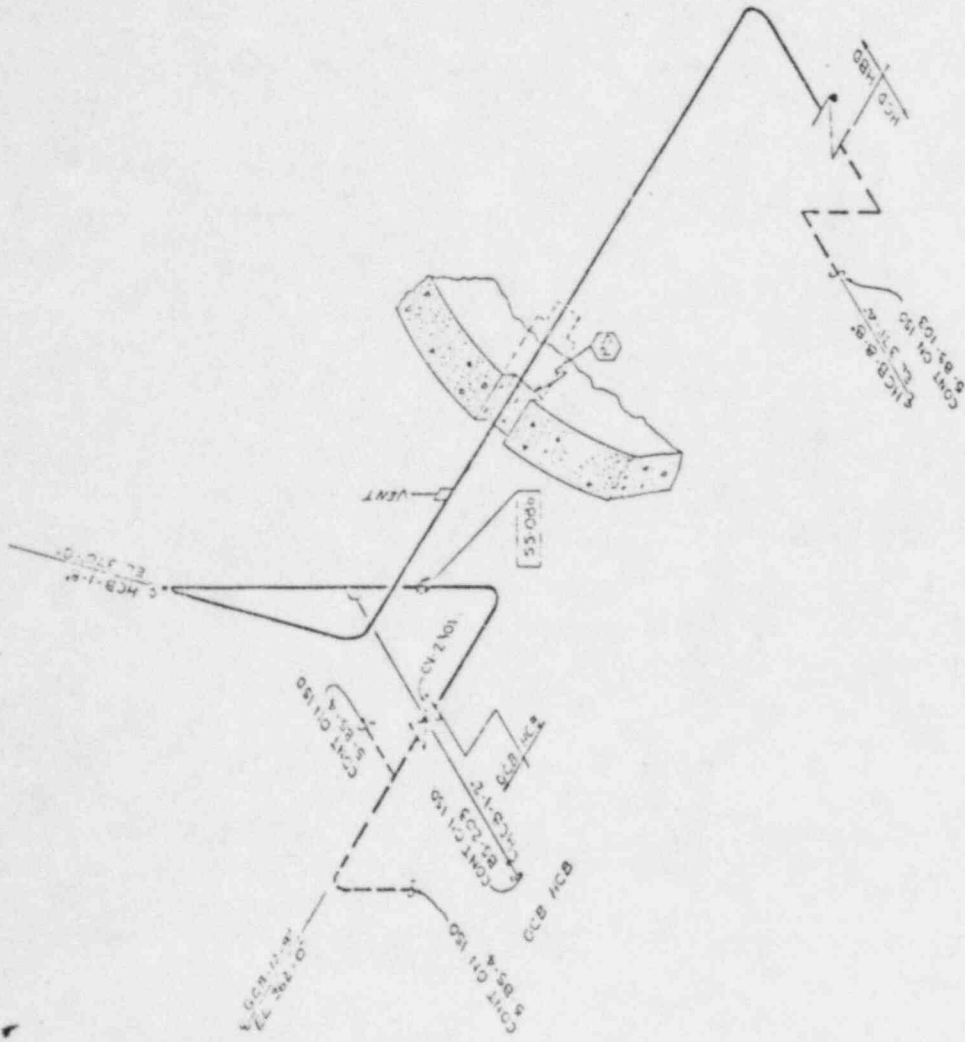


NO.	DATE	ISSUED FOR	BY	SCALE	MINI	DESIGN	DATE	SCALE	MINI	DESIGN	DATE	SCALE	MINI	DESIGN	DATE
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ARKANSAS POWER AND LIGHT COMPANY
 ARKANSAS NUCLEAR ONE
 UNIT 1
**BUILDING SPRAY LOOP A
 ZONE-55**

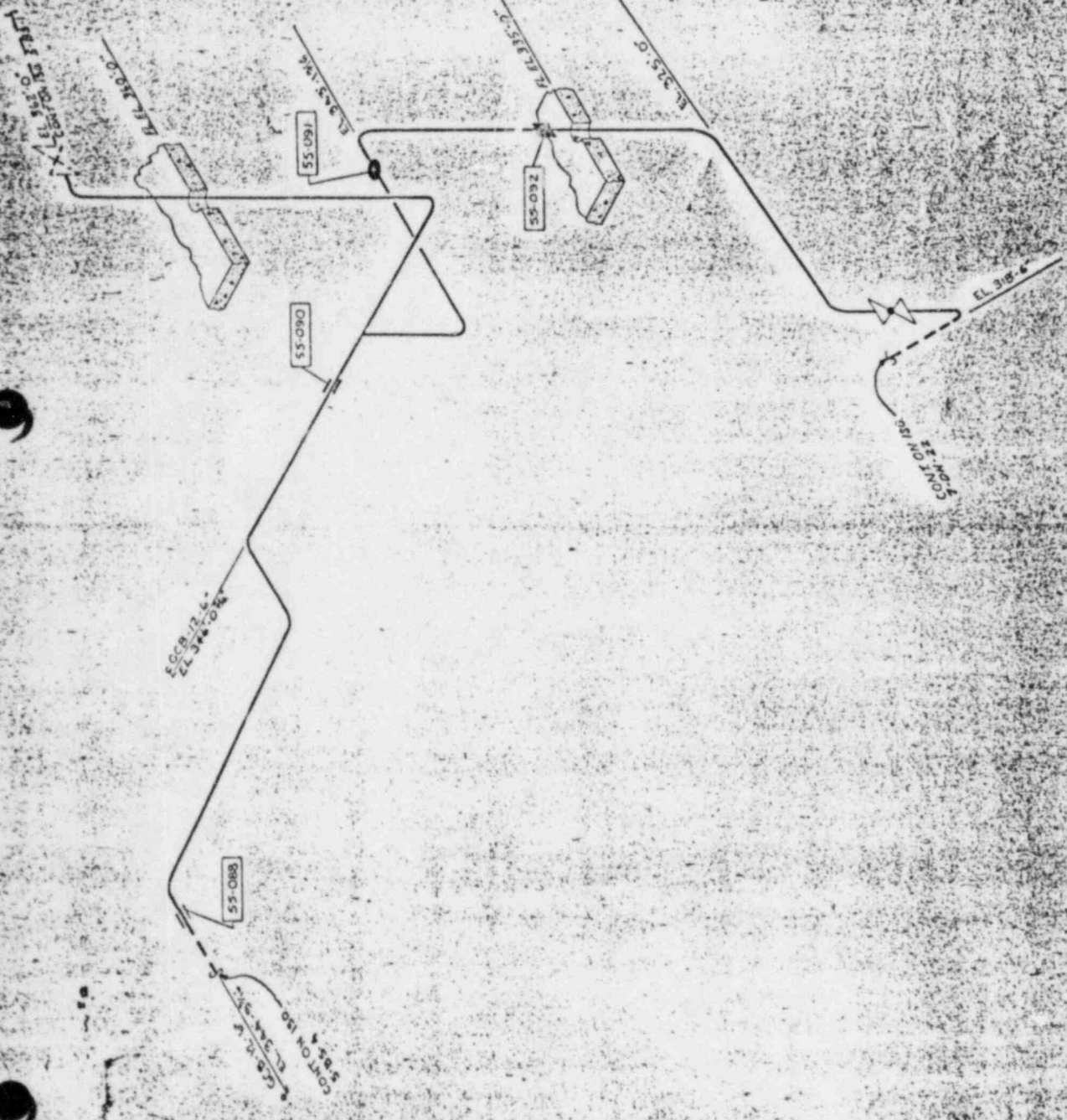
REV	DATE	BY	APP
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1		SM	1
2		SM	1

ISI-155 H
 OF 3
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NO	DATE	BY	REVISION	DESCRIPTION
0				ISSUED FOR EST

ARKANSAS POWER AND LIGHT COMPANY ARKANSAS NUCLEAR ONE UNIT 1	
BUILDING SPRAY LOOP A ZONE-55	
DRAWING NO. ISI-155H	SHEET NO. 0



NO.	DATE	REVISION	DESIGNER	DRAWN	CHECKED
0		ISSUED PER ISI			
SCALE NONE ARKANSAS POWER AND LIGHT COMPANY ARKANSAS NUCLEAR ONE UNIT 1 BUILDING SPRAY LOOP A ZONE-55 DRAWING NO. ISI-155H REV. 0					



PROGRAM PLAN AND SCHEDULE

ZONE - 56

COMPONENT DESCRIPTION

BUILDING SPRAY LOOP B INSIDE CONTAINMENT

FORM ENG-011

ANO-UNIT-ONE

PIPING PRESSURE BOUNDARY

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREF-REQ			REMARKS
			1	2	3	4				S	I	WP	
56-001	Pump P35R To Pipe Circ Weld	CS.11.1					100	PT	NA	K	X	X	
56-002	Pipe To Valve Circ Weld	CS.11.2					100	PT	NA	K	X	X	
56-003	Valve To Reducer Circ Weld	CS.11.3	8				100	PT	NA	K	X	X	
56-004	Reducer To Ell Circ Weld	CS.11.4	8				100	PT	NA	K	X	X	
56-005	Ell To Ell Circ Weld	CS.11.5		9			100	PT	NA	K	X	X	
56-006	Ell To Pipe Circ Weld	CS.11.6					100	PT	NA				
56-007	Pipe To Ell Circ Weld	CS.11.7					100	PT	NA				
56-008	Ell To Pipe Circ Weld	CS.11.8					100	PT	NA				
56-009	Pipe To Ell Circ Weld	CS.11.9					100	PT	NA				
56-010	Ell To Pipe Circ Weld	CS.11.10					100	PT	NA				
56-011	Pipe To Ell Circ Weld	CS.11.11					100	PT	NA				
56-012	Ell To Pipe Circ Weld	CS.11.12					100	PT	NA				
56-013	Pipe To FO-2400 Circ Weld	CS.11.13					100	PT	NA				
56-014	FO-2400 To Pipe Circ Weld	CS.11.14					100	PT	NA				
56-015	Pipe To Ell Circ Weld	CS.11.15					100	PT	NA				
56-016	Ell To Pipe Circ Weld	CS.11.16					100	PT	NA				
56-017	Pipe To Ell Circ Weld	CS.11.17					100	PT	NA				
56-018	Ell To Pipe Circ Weld	CS.11.18					100	PT	NA				
56-019	Pipe To Ell Circ Weld	CS.11.19					100	PT	NA				
56-020	Ell To Pipe Circ Weld	CS.11.20					100	PT	NA				
56-021	Pipe To Ell Circ Weld	CS.11.21					100	PT	NA				
56-022	Ell To Pipe Circ Weld	CS.11.22					100	PT	NA				
56-023	Pipe To Tee Circ Weld	CS.11.23					100	PT	NA				
56-024	Tee To Valve Circ Weld	CS.11.24					100	PT	NA				
56-025	Valve To Pipe Circ Weld	CS.11.25					100	PT	NA				
56-026	Pipe To Valve Circ Weld	CS.11.26					100	PT	NA				
56-027	Valve To Pipe Circ Weld	CS.11.27					100	PT	NA				
56-028	Pipe To Ell Circ Weld	CS.11.28					100	PT	NA				
56-029	Ell To Pipe Circ Weld	CS.11.29					100	PT	NA				
56-030	Pipe To Ell Circ Weld	CS.11.30					100	PT	NA				
56-031	Ell To Pipe Circ Weld	CS.11.31					100	PT	NA				
56-032	Pipe To Ell Circ Weld	CS.11.32					100	PT	NA				
56-033	Ell To Pipe Circ Weld	CS.11.33					100	PT	NA				

FORM ENG-011 PROGRAM PLAN AND SCHEDULE

ZONE-56

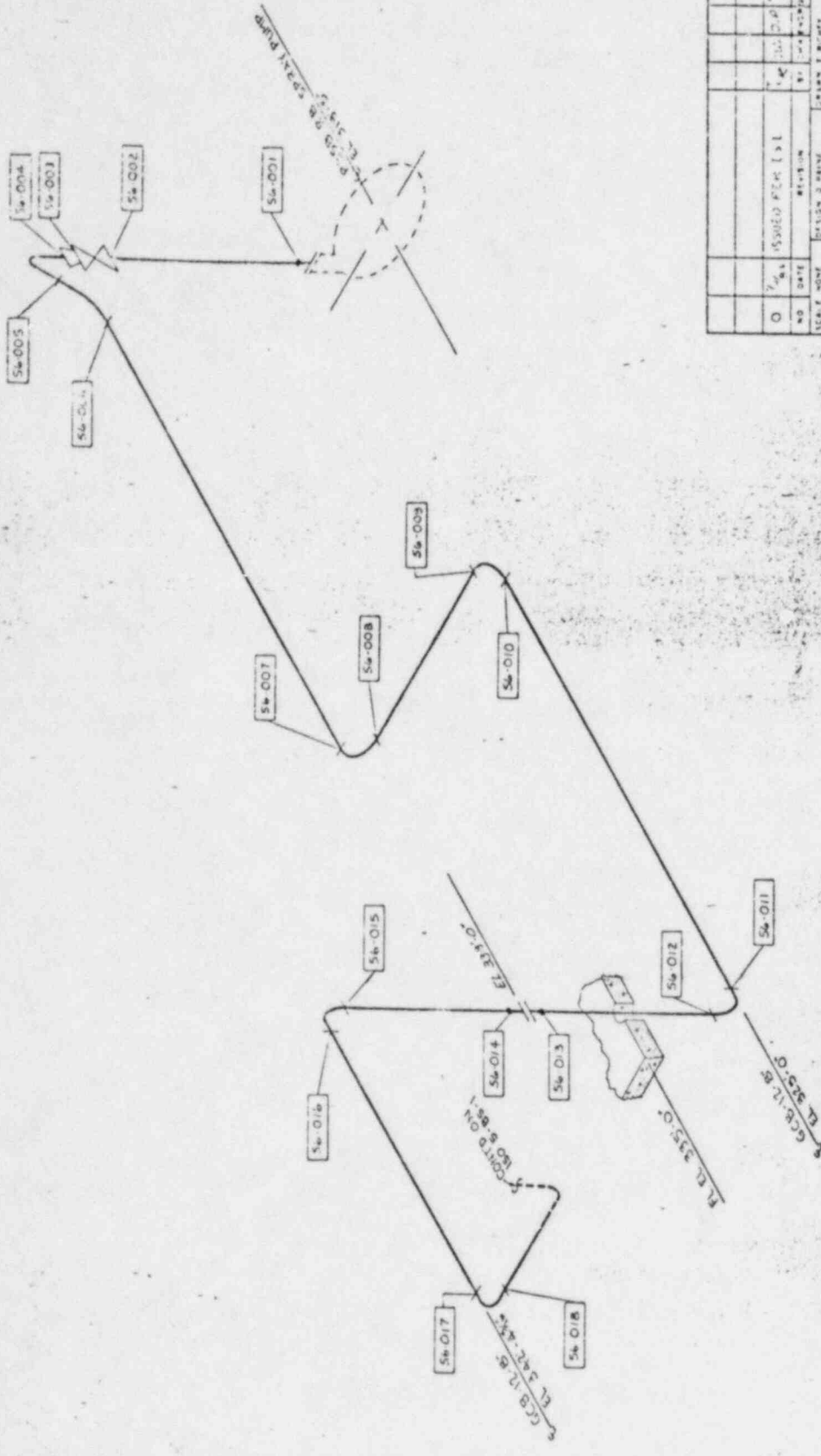
ANO-UNIT-ONE

COMPONENT DESCRIPTION

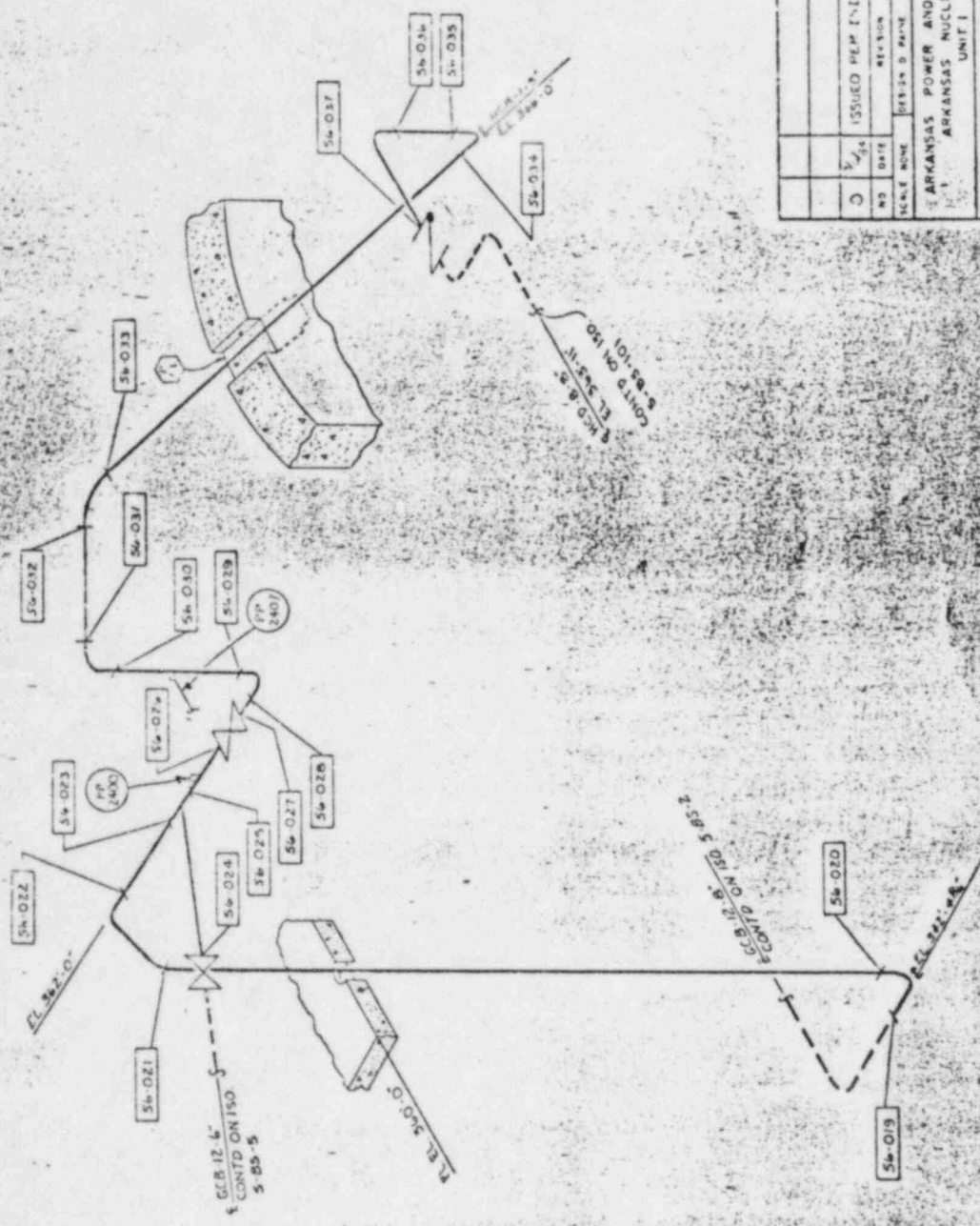
PIPING PRESSURE BOUNDARY

BUILDING SPRAY LOOP B INSIDE CONTAINMENT

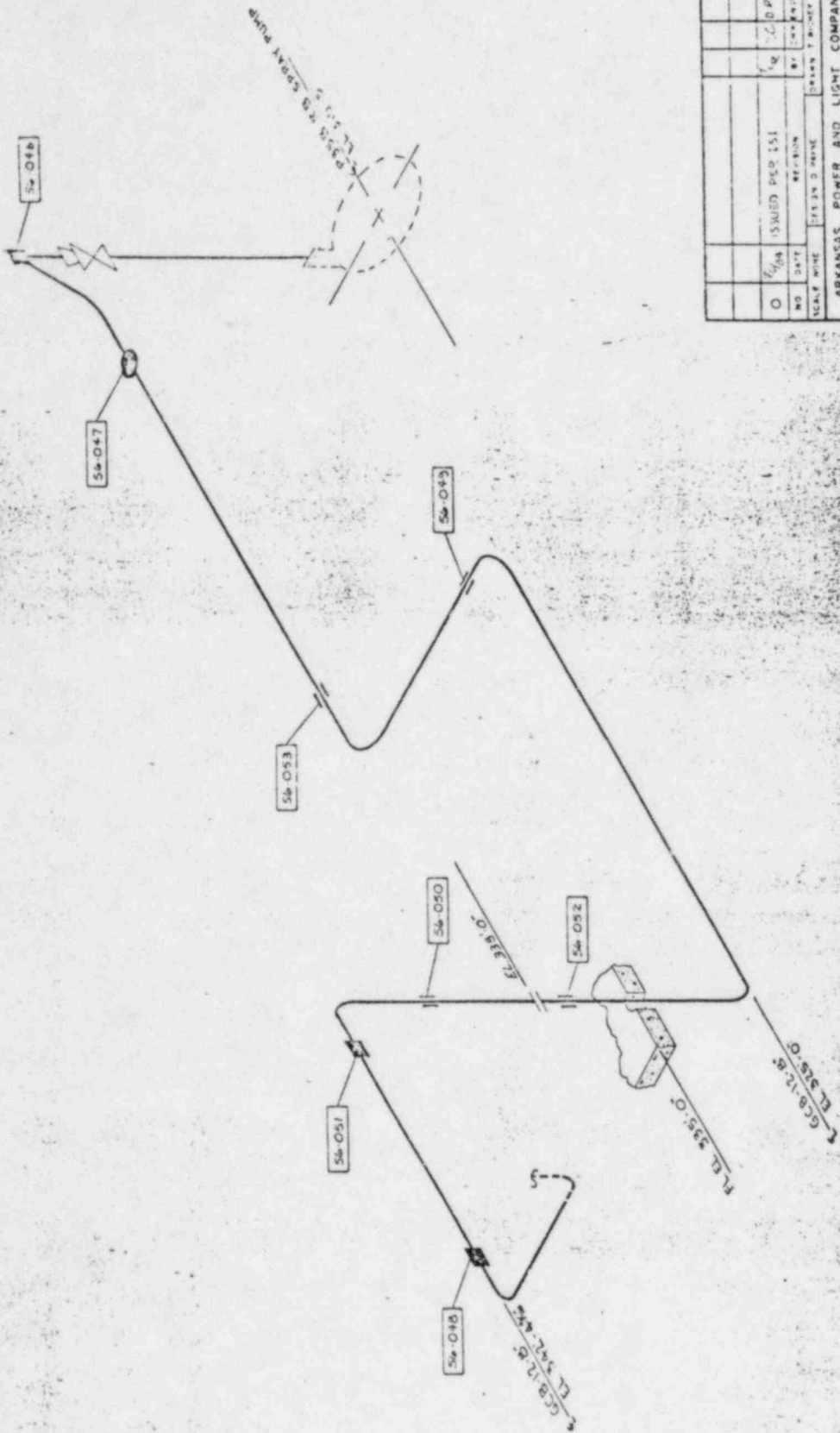
EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
56-034	Pipe To Ell Circ Weld	C5.11.34					100	PT	NA				
56-035	Ell To Pipe Circ Weld	C5.11.35					100	PT	NA				
56-036	Pipe To Ell Circ Weld	C5.11.36					100	PT	NA				
56-037	Ell To Valve Circ Weld	C5.11.37					100	PT	NA				
56-038	Building Spray Pump P35B	C7.30.1	8	9	10		100	VT-2	NA	NA	NA	NA	Pressure Retaining Boundary
56-039	Building Spray Pump P35B	C7.31.1					100	VT-2	NA	NA	NA	NA	Pressure Retaining Boundary
56-040	Valve BS-1B	C7.40.1	8	9	10		100	VT-2	NA	NA	NA	NA	Pressure Retaining Boundary
56-041	Valve BS-1B	C7.41.2					100	VT-2	NA	NA	NA	NA	Pressure Retaining Boundary
56-042	Valve CV-2400	C7.40.3	8	9	10		100	VT-2	NA	NA	NA	NA	Pressure Retaining Boundary
56-043	Valve CV-2400	C7.40.4					100	VT-2	NA	NA	NA	NA	Pressure Retaining Boundary
56-044	Valve BS-4B	C7.40.5	8	9	10		100	VT-2	NA	NA	NA	NA	Pressure Retaining Boundary
56-045	Valve BS-4B	C7.40.6					100	VT-3	NA	NA	NA	NA	Pressure Retaining Boundary
56-046	Rigid Hanger BS-46	F2.40.1					100	VT-4	NA	NA	NA	NA	SK#9-1221
56-047	Spring Hanger BS-47	F3.50.1	8				100	VT-3	NA	NA	NA	NA	SK#9-1229
56-048	Rigid Hanger BS-55	F2.40.2					100	VT-3	NA	NA	NA	NA	SK#9-1223
56-049	Guide Hanger BS-50	F2.40.3					100	VT-3	NA	NA	NA	NA	SK#9-1225
56-050	Guide Hanger BS-53	F2.40.4		9			100	VT-3	NA	NA	NA	NA	SK#9-1228
56-051	Rigid Hanger BS-54	F2.40.5					100	VT-3	NA	NA	NA	NA	SK#9-1224
56-052	Rigid Hanger BS-52	F2.40.6					100	VT-3	NA	NA	NA	NA	SK#9-1222
56-053	Guide Hanger BS-48	F2.40.7					100	VT-3	NA	NA	NA	NA	SK#9-1230
56-054	Rigid Hanger BS-56	F2.40.8					100	VT-3	NA	NA	NA	NA	SK#9-1232
56-055	Guide Hanger BS-58	F2.40.9					100	VT-2	NA	NA	NA	NA	Pressure Retaining Boundary
56-056	Pressure Retaining Components	C7.20.1	7	8	9	10	100	VT-2	NA	NA	NA	NA	Pressure Retaining Boundary
56-057	Pressure Retaining Components	C7.21.2					100	VT-2	NA	NA	NA	NA	Pressure Retaining Boundary



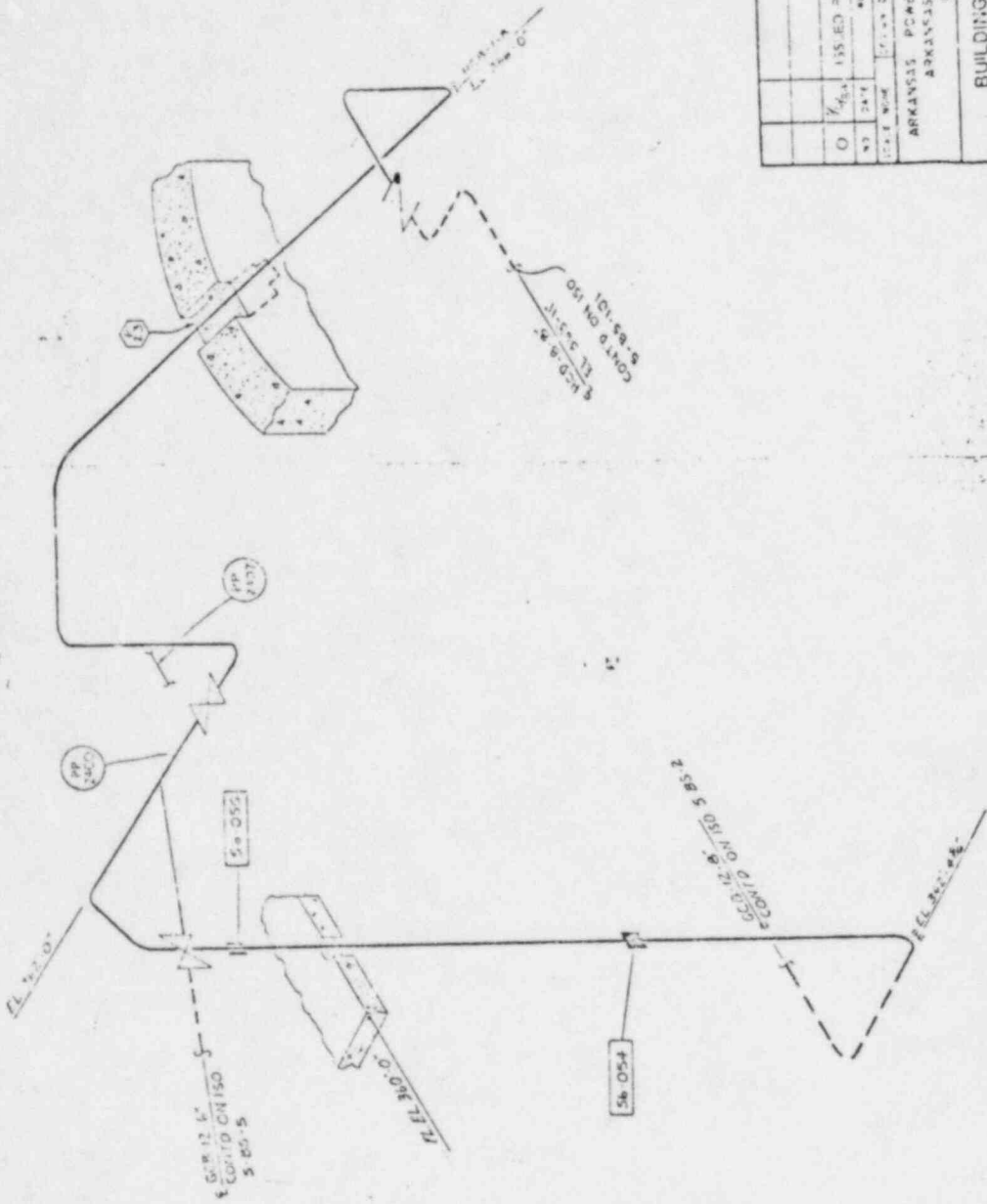
NO	DATE	REVISION	BY
0		ISSUED FROM []	
SCALE		DESIGN 2 SHEET	OF 2 SHEETS
		ARKANSAS POWER AND LIGHT COMPANY	
		ARKANSAS NUCLEAR ONE	
		UNIT 1	
BUILDING SPRAY LOOP B			REV
ZONE-56			1
ISI-156			0



NO	DATE	ISSUED PER INE	BY	CHK'D BY
1				
SCALE	NO.	DESIGN	DATE	BY
ARKANSAS POWER AND LIGHT COMPANY ARKANSAS NUCLEAR ONE UNIT 1				
BUILDING SPRAY LOOP A ZONE-56				
DRAW NO		REV		
ISI-156		0		



NO.	DATE	ISSUED FOR	BY	SCALE
0		ISSUED FOR ISI	W. C. D. P.	
SCALE NONE				
UNIT 1				
ARKANSAS POWER AND LIGHT COMPANY				
ARKANSAS NUCLEAR ONE				
BUILDING SPRAY LOOP B				
ZONE-56				
ISI-156H				
SHEET NO. 0				



NO.	ISSUED PER ISI	1	150
NO.	DATE	01.15.58	150
NO.	WORK	FL. SPRAY LOOP	150
ARKANSAS POWER AND LIGHT COMPANY ARKANSAS NUCLEAR ONE UNIT 1			
BUILDING SPRAY LOOP B ZONE F0			
DRAWN BY: [Signature]			NO. 0
ISI-155H			1:1

PROGRAM PLAN AND SCHEDULE
ZONE- 100
COMPONENT DESCRIPTION
AUGMENTED INSPECTIONS

FORM ENG-011
AWO-UNIT-ONE

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
XX00XX	Internals Handling Fixture	ANSI N14.6											
XX00XX	Triped And Turnbuckles	978					100	MT	NA	NA	X		
XX00X1	Lifting Lug To Leg Weld						100	MT	NA	NA	X		
XX00X2	Glevis Plate To Top Flange						100	MT	NA	NA	X		
XX00X3	Of Horizontal Beam Weld						100	MT	NA	NA	X		
XX00X3	Glevis Plate To Bottom Flange						100	MT	NA	NA	X		
XX00X3	Of Horizontal Beam Weld						100	MT	NA	NA	X		
XX00X4	Glevis Plate To Top Flange						100	MT	NA	NA	X		
XX00X4	Of Leg Beam Weld						100	MT	NA	NA	X		
XX00X5	Top Flange Of Leg Beam						100	MT	NA	NA	X		
XX00X5	To Horizontal Beam Weld						100	MT	NA	NA	X		
XX00X6	Web Of Leg Beam To						100	MT	NA	NA	X		
XX00X6	Horizontal Beam Weld						100	MT	NA	NA	X		
XX00X7	Bottom Flange Of Leg Beam To						100	MT	NA	NA	X		
XX00X7	Horizontal Beam Weld						100	MT	NA	NA	X		
XX00X8	Gusset Plate Weld						100	MT	NA	NA	X		
XX00X9	Strut Plate To Horizontal						100	MT	NA	NA	X		
XX00X9	Beam Weld						100	MT	NA	NA	X		
XX0010	Strut End Weld						100	UT	40824	X	X		
K0.5.1	Main Steam Pipe To Ell ID#6	FSAR Fig. A-8					100	UT	UT-51	X	X		
K0.5.1	Main Steam Pipe To Ell ID#6	FSAR Fig. A-8					100	UT	40824	X	X		
K0.5.2	Main Steam Ell To Pipe ID#7	FSAR Fig. A-8					100	UT	UT-51	X	X		
K0.5.2	Main Steam Ell To Pipe ID#7	FSAR Fig. A-8					100	UT	40824	X	X		
K0.5.3	Main Steam Pipe To Ell ID#55	FSAR Fig. A-7					100	UT	40824	X	X		
K0.5.3	Main Steam Pipe To Ell ID#55	FSAR Fig. A-7					100	UT	UT-51	X	X		
K0.5.4	Main Steam Pipe To Ell ID#56	FSAR Fig. A-7					100	UT	40824	X	X		
K0.5.4	Main Steam Pipe To Ell ID#56	FSAR Fig. A-7					100	UT	UT-51	X	X		
K0.5.4	Main Steam Pipe To Ell ID#56	FSAR Fig. A-7					100	UT	40825	X	X		
K0.5.4	Main Steam Pipe To Ell ID#56	FSAR Fig. A-7					100	UT	UT-48	X	X		
K0.5.5	Main Feedwater Pipe To Ell #23	FSAR Fig. A-15					100	UT	40825	X	X		
K0.5.5	Main Feedwater Pipe To Ell #23	FSAR Fig. A-15					100	UT	UT-48	X	X		
K0.5.6	Main Feedwater Ell To Pipe #24	FSAR Fig. A-15					100	ET	49030	NA	NA		ID Tech. Spec. 4.18
K0.5.6	Main Feedwater Ell To Pipe #24	FSAR Fig. A-15					100	ET	49031	NA	NA		ID Tech. Spec. 4.18
K003039	1A Steam Generator Tubes	B16.10.1					100	ET	49030	NA	NA		ID Tech. Spec. 4.18
K003040	1A Steam Generator Tubes	B16.10.1					100	ET	49031	NA	NA		ID Tech. Spec. 4.18

Examination: Of Load Bearing Welds

PROGRAM PLAN AND SCHEDULE

ZONE- 100

COMPONENT DESCRIPTION

AUGMENTED INSPECTIONS

FORM ENG-011

ANO-UNIT-ONE

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ			REMARKS
			1	2	3	4				S	I	WP	
X003041	HA Steam Generator Tubes	B16.10.2	7	8	9	10	11	100	ET	NA	NA	NA	ID Profilometry Exam-Selection-AP&L
X003042	HA Steam Generator Tubes	B16.10.2	7	8	9	10	11	100	ET	NA	NA	NA	ID Profilometry Exam-Selection-AP&L
X003043	HA Steam Generator Suppt. Bolts	135050E	7	8	9	10	11	100	PT	NA	NA	NA	Inplace
X003044	Aux. FDW-Thermal Sleeve	#1	7	8	9	10	11	100	PT	NA	NA	NA	
X003045	Aux. FDW-Thermal Sleeve	#2	7	8	9	10	11	100	PT	NA	NA	NA	
X003046	Aux. FDW-Thermal Sleeve	#3	7	8	9	10	11	100	PT	NA	NA	NA	
X003047	Aux. FDW-Thermal Sleeve	#4	7	8	9	10	11	100	PT	NA	NA	NA	
X003048	Aux. FDW-Thermal Sleeve	#5	7	8	9	10	11	100	PT	NA	NA	NA	
X003049	Aux. FDW-Thermal Sleeve	#6	7	8	9	10	11	100	PT	NA	NA	NA	
X003050	Aux. FDW-Thermal Sleeve	#7	7	8	9	10	11	100	PT	NA	NA	NA	
X003051	Aux. FDW-Thermal Sleeve	#8	7	8	9	10	11	100	PT	NA	NA	NA	
X003052	Aux. FDW-Thermal Sleeve	#9	7	8	9	10	11	100	PT	NA	NA	NA	
X003053	Aux. FDW-Thermal Sleeve	#10	7	8	9	10	11	100	PT	NA	NA	NA	
X003054	Aux. FDW-Thermal Sleeve	#11	7	8	9	10	11	100	PT	NA	NA	NA	
X003055	Aux. FDW-Thermal Sleeve	#12	7	8	9	10	11	100	PT	NA	NA	NA	
X003056	Aux. FDW-Thermal Sleeve	#13	7	8	9	10	11	100	PT	NA	NA	NA	
X003057	Aux. FDW-Thermal Sleeve	#14	7	8	9	10	11	100	PT	NA	NA	NA	
X004039	HB Steam Generator Tubes	B16.10.1	7	8	9	10	11	100	ET	49030	NA	NA	ID Tech. Spec. 4.18
X004040	HB Steam Generator Tubes	B16.10.1	7	8	9	10	11	100	ET	49031	NA	NA	ID Tech. Spec. 4.18
X004041	HB Steam Generator Tubes	B16.10.2	7	8	9	10	11	100	ET	NA	NA	NA	ID Profilometry Exam-Selection-AP&L
X004042	HB Steam Generator Tubes	B16.10.2	7	8	9	10	11	100	ET	NA	NA	NA	ID Profilometry Exam-Selection-AP&L
X004043	HB Steam Generator Suppt. Bolts	135050E	7	8	9	10	11	100	PT	NA	NA	NA	Inplace
X004044	Aux. FDW-Thermal Sleeve	#1	7	8	9	10	11	100	PT	NA	NA	NA	
X004045	Aux. FDW-Thermal Sleeve	#2	7	8	9	10	11	100	PT	NA	NA	NA	
X004046	Aux. FDW-Thermal Sleeve	#3	7	8	9	10	11	100	PT	NA	NA	NA	
X004047	Aux. FDW-Thermal Sleeve	#4	7	8	9	10	11	100	PT	NA	NA	NA	
X004048	Aux. FDW-Thermal Sleeve	#5	7	8	9	10	11	100	PT	NA	NA	NA	
X004049	Aux. FDW-Thermal Sleeve	#6	7	8	9	10	11	100	PT	NA	NA	NA	
X004050	Aux. FDW-Thermal Sleeve	#7	7	8	9	10	11	100	PT	NA	NA	NA	
X004051	Aux. FDW-Thermal Sleeve	#8	7	8	9	10	11	100	PT	NA	NA	NA	
X004052	Aux. FDW-Thermal Sleeve	#9	7	8	9	10	11	100	PT	NA	NA	NA	
X004053	Aux. FDW-Thermal Sleeve	#10	7	8	9	10	11	100	PT	NA	NA	NA	
X004054	Aux. FDW-Thermal Sleeve	#11	7	8	9	10	11	100	PT	NA	NA	NA	

PROGRAM PLAN AND SCHEDULE

ZONE-100

COMPONENT DESCRIPTION

AUGMENTED INSPECTIONS

FORM ENG-011

ANO-UNIT-ONE

CLASS-W/A

EXAM NUMBER	PARTS EXAMINED	ITEM-CAT. NUMBER	EXAM SCHEDULE				% SCH	EXAM METHOD	CAL BLOCK	PREP-REQ		REMARKS
			1	2	3	4				S	WP	
X004055	Aux. EDM-Thermal Sleeve	#6			10		100	VT-1	NA	NA	X	
X004056	Aux. EDM-Thermal Sleeve	#7			10		100	PT	NA	NA	X	
X004057	Aux. EDM-Thermal Sleeve	#7			10		100	VT-1	NA	NA	X	
X009006	HPI Nozzle Knuckle Area	Repaired	7	9			100	UT	40812	X	X	In Zone 09-Weld Number 09-006
X011006	HPI Nozzle Knuckle Area	Repaired	7	9			100	UT	40812	X	X	In Zone 11-Weld Number 11-006
X013006	HPI Nozzle Knuckle Area	Repaired	7	9			100	RT	NA	X	X	In Zone 20-Weld Number 20-045
X020045	HPI Nozzle Thermal Sleeve S/E	No Repair	7	8			100	RT	NA	X	X	In Zone 21-Weld Number 21-064
X021064	HPI Nozzle Thermal Sleeve S/E	Repaired	7	9			100	RT	NA	X	X	In Zone 22-Weld Number 22-071
X022071	HPI Nozzle Thermal Sleeve S/E	Repaired	7	9			100	RT	NA	X	X	In Zone 23-Weld Number 23-065
X023065	HPI Nozzle Thermal Sleeve S/E	Repaired	7	9			100	AE	NA	NA	NA	Done By Others
X043008	1A1 RCP Flywheel	T/S 4.26			11		100	AE	NA	NA	NA	Done By Others
X043009	1A1 RCP Flywheel	T/S 4.26			11		100	AE	NA	NA	NA	Exposed Area Between Motor & Pump Bowl
X043010	1A1 RCP Flywheel	INFO-REQ	7				100	VT-1	NA	X	X	Done By Others
X044008	1B1 RCP Flywheel	T/S 4.26			11		100	AE	NA	NA	NA	Exposed Area Between Motor & Pump Bowl
X044009	1B1 RCP Flywheel	T/S 4.26			11		100	AE	NA	NA	NA	Done By Others
X045008	2A1 RCP Flywheel	INFO-REQ	8				100	AE	NA	NA	NA	Exposed Area Between Motor & Pump Bowl
X045009	2A1 RCP Flywheel	T/S 4.26			11		100	AE	NA	NA	NA	Done By Others
X045010	2A1 RCP Flywheel	INFO-REQ		9			100	VT-1	NA	X	X	Exposed Area Between Motor & Pump Bowl
X046008	2B2 RCP Flywheel	T/S 4.26			11		100	AE	NA	NA	NA	Done By Others
X046009	2B2 RCP Flywheel	T/S 4.26			11		100	AE	NA	NA	NA	Done By Others
X046010	2B2 RCP Flywheel	INFO-REQ			10		100	VT-1	NA	X	X	Exposed Area Between Motor & Pump Bowl