

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

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SUBJECT: Forwards inservice insp weld schedule & current isometric drawings, per util commitment made during 910924 telcon w/NRC.

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January 3, 1992

10 CFR Part 50  
Section 50.55a(g)

US Nuclear Regulatory Commission  
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MONTICELLO NUCLEAR GENERATING PLANT  
Docket No. 50-263 License No. DPR-22

Second Ten-Year Inservice Inspection Weld Schedule

Enclosed is a copy of the inservice inspection weld schedule and a copy of current isometric drawings that we committed to provide the NRC Staff per our telephone conversation with Mr W O Long, NRC-NRR, on September 24, 1991. The weld schedule affects the Monticello Nuclear Generating Plant's ASME Code Section XI Inservice Inspection and Testing Program for the Second Ten Year Interval.

Please contact us if you have any question related to the revised inservice inspection weld schedule.

Thomas M Parker  
Manager  
Nuclear Support Services

c: Regional Administrator-III, NRC  
NRR Project Manager, NRC  
Resident Inspector, NRC  
State of Minnesota  
Hartford Insurance  
J Silberg

- Attachments:
- 1) Table - Monticello Nuclear Generating Plant In Service Inspection Schedule Second Interval
  - 2) Notes for the 2nd Ten Year Monticello ISI Plan
  - 3) Figures for Use With the Monticello Nuclear Generating Plant Second Ten Year Interval Inservice Inspection Weld Schedule

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## Notes for the 2nd Ten Year Monticello ISI Plan

An asterisk indicates that the reference is to a Relief Request. The letter S in the schedule columns indicates that the item is scheduled for inspection in the year indicated. The letter I in the schedule column indicates that the item was inspected in the year indicated. The letter P in the schedule column indicates that a partial exam was performed on the indicated item. Monticello was designed and built prior to the implementation of access for inspection. An S? indicates that the item is under review to determine if examination is required. A future revision of the plan will clarify these items. Long seam welds are examined with the associated circ welds. Items may be rescheduled within code allowables without revision and resubmittal.

- Note 1      These items are partial penetration nozzles. Accessible partial penetration nozzles are inspected under plant VT-2 procedures. Relief request 18 applies to N-13 and N-14.
- Note 2      Dissimilar metal weld.
- Note 3      Inaccessible.
- Note 4      This item was removed.
- Note 5      Target Rock Relief Valves.
- Note 6      Anchor Check Valves.
- Note 7      Atwood Morrill Check Valves.
- Note 10     Anchor Gate Valves.
- Note 11     Rockwell Check Valves.
- Note 12     Atwood Morrill Globe Valves
- Note 13     Chapman Crane Gate Valves.
- Note 14     UT required per TER EGG-MS-8969. There are 74 welds in Core Spray A. 7.5% equals 5.4 ( round to 6 ). Six welds were selected on inspection sketch 34A. These welds will require examination in the next interval.
- Note 15     UT required per TER EGG-MS-8969. There are 73 welds in Core Spray B. 7.5% equals 5.4 ( round to 6 ). Six welds were selected on inspection sketch 35A. These welds will require examination in the next interval.
- Note 16     UT required per TER EGG-MS-8969. There are 65 welds in Containment Spray A&B. 7.5% equals 4.8 ( round to 5 ). Five welds were selected on inspection sketch 44. These welds will require examination in the next interval.
- Note 17     Limited access.

Notes for the 2nd Ten Year Monticello ISI Plan

- Note 18 Figure 0 is an alias for a list of Reactor Internals. This list will be incorporated in a future revision of the plan.
- Note 19 Studs are examined in place or removed.
- Note 20 The Quality Group Classification Drawings were revised to show an additional valve. Welds will be added to the list and to the schedule as needed in the next revision of the plan.
- Note 21 Class 3 schedule information will be included in the next revision.
- Note 22 NUREG 0619 for Monticello requires a visual inspection of each feedwater sparger and each feedwater nozzle blend radius during each refueling outage up to Cycle 18 ( 1998 ). ( M668 ).
- NUREG 0619 requires a UT of two of four feedwater nozzle blend radius areas each outage until 1998. ( M667 ).
- If the UT results are unacceptable then an internal PT shall be performed on the feedwater nozzles.
- If leakage monitoring is unacceptable then an internal PT shall be performed.
- At the end of cycle 18 a letter should be sent to the NRC stating that the NUREG 0619 committed activities are complete.
- Each ISI summary report should contain a brief statement regarding the implementation of NUREG 0619 activities and the status of those activities ( e.g. sat or unsat ). ( M797 )
- Note 23 This drawing will be revised to incorporate changes of DC 84Z078 that occurred during the 1991 outage.
- Note X The system leakage tests and the system hydrostatic tests described by section XI item numbers B15.10/11, B15.40/41, B15.50/51, B15.60/61 and B15.70/71 are performed in accordance with Monticello Plant Procedures 0255-20-IIC-1 and 0255-20-IIA-1. Record information on the results of these examinations is maintained by the plant.

Notes for the 2nd Ten Year Monticello ISI Plan

Note Y The system leakage tests described by Section XI item numbers C7.20, C7.30 and C7.40 are performed in accordance with the following Monticello Plant Procedures:

0255-03-IIB	Core Spray
0255-04-IIB-1	RHR Loop A
0255-04-IIB-2	RHR Loop B
0255-06-IIB	HPCI
0255-08-IIB	RCIC

Record information on the results of the examinations is maintained by the plant.

Note Z The system hydrostatic tests described by Section XI item numbers C7.11, C7.21, C7.31 and C7.41 are performed in accordance with the following Monticello Plant Procedures :

0255-04-IIA	RHR SD Cooling
0255-16-IIA-1	Drywell Floor Drain Sump
0255-16-IIA-2	Drywell Eqpt. Drain Sump

Record information on the results of the examinations is maintained by the plant.

Note XX Information on these tests will be supplied later.

Note YY The system hydrostatic test described by Section XI item number D3.1 (b) is performed in accordance with the following Monticello Plant Procedures:

0255-05-IIA-1	RHR SW A
0255-05-IIA-2	RHR SW B
0255-05-IIA-3	RHR SW Motor Cooling A
0255-05-IIA-4	RHR SW Motor Cooling B
0255-11-IIA-1	EDG ESW A
0255-11-IIA-2	EDG ESW B
0255-11-IIA-3	ESW A
0255-11-IIA-4	ESW B
0255-15-IIA	Fuel Pool Cooling

Record information on the results of the examinations is maintained by the plant.

Notes for the 2nd Ten Year Monticello ISI Plan

Note ZZ

The system leakage test described by Section XI item number D3.1(a) is performed in accordance with the following Monticello Plant Procedures:

0255-05-IIB-1	RHR SW A
0255-05-IIB-2	RHR SW B
0255-11-IIB-1	EDG ESW A
0255-11-IIB-2	EDG ESW B
0255-11-IIB-3	ESW A
0255-11-IIB-4	ESW B

Record information on the results of these examinations is maintained by the plant.

Monticello Nuclear Generating Plant  
In Service Inspection Schedule  
Second Interval

ISO Number	Item Identification	A S M E Section XI Item	Period 1			Period 2		Period 3		Notes: As applicable, attached.
			1982	1984	1986	1987	1989	1991	1993	
Figure 0	RPV Internals			I		I	I	I	S	18
Figure 1	22-03 34-43 39-42	B14. 10			I	I	I	I		
	CRD HSNG Row 10 CRD HSNG Row 14 CRD HSNG Row 18 CRD HSNG Row 2 CRD HSNG Row 6 CRD HSNG Row 22 CRD HSNG Row 26 CRD HSNG Row 30 CRD HSNG Row 34 CRD HSNG Row 38 CRD HSNG Row 42 CRD HSNG Row 46 CRD HSNG Row 50	B 7. 10				I I I I I		I I I	I I I I I	
Figure 2	VCBB-1 VCBA-2 VCBB-3	B 1. 11			I I			I P P		*16 *16
	VCBC-5	B 1. 30				I	I	I	S	
	VLAA-1 VLAA-2 VLBA-1 VLBA-2 VLCB-1 VLCB-2 VLDB-1 VLDB-2	B 1. 12			I	I		I I	I S?	*16 *16
Figure 3	Nuts	B 6. 10			I	I	I	I	S	
	Studs	B 6. 20					I	I	S	19
	Studs	B 6. 30			I	I			S	19
	Ligaments	B 6. 40			I	I	I	I	S	
	Washers Bushings	B 6. 50			I I	I I	I I	I I	S S	
Figure 4	RCAD-1	B 3. 90	I							
	N- 1A IR	B 3.100								
	RCBD-1	B 3. 90							S	
	N- 1B IR	B 3.100							S	
	RRAD-1	B 3. 90	I							
	N- 2A IR	B 3.100								
	RRBD-1	B 3. 90							S	
	N- 2B IR	B 3.100							S	
	RRCD-1	B 3. 90							S	
N- 2C	B 3.100							S		

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			1982	1984	1986	1987	1989	1991	1993	
Figure 4	RRDD-1	B 3. 90	I							
	N- 2D IR	B 3.100								
	RRED-1	B 3. 90				I				
	N- 2E IR	B 3.100				I				
	RRFD-1	B 3. 90							S	
	N- 2F IR	B 3.100							S	
	RRGD-1	B 3. 90					I			
	N- 2G IR	B 3.100					I			
	RRHD-1	B 3. 90					I			
	N- 2H IR	B 3.100					I			
	RRJD-1	B 3. 90		I						
	N- 2J IR	B 3.100					I			
	RRKD-1	B 3. 90							S	
	N- 2K IR	B 3.100					I			
	MSAD-1	B 3. 90			I	I				
	N- 3A IR	B 3.100			I	I				
	MSBD-1	B 3. 90						I		
	N- 3B IR	B 3.100								
	MSCD-1	B 3. 90					I			
	N- 3C IR	B 3.100							S?	
	MSDD-1	B 3. 90						I		
	N- 3D IR	B 3.100							S?	
	FWAD-1	B 3. 90		I	I	I	I		S	
	N- 4A IR	B 3.100			I	I			S?	22
	FWBD-1	B 3. 90		I			I	I		
	N- 4B IR	B 3.100			I	I			S?	22
	FWCD-1	B 3. 90		I	I	I		I		
	N- 4C IR	B 3.100			I	I			S?	22
FWDD-1	B 3. 90		I			I		S		
N- 4D IR	B 3.100			I	I			S?	22	
CSAD-1	B 3. 90							I		
N- 5A IR	B 3.100							I		
CSBD-1	B 3. 90		I							



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ISO Number	Item Identification	A S M E Section XI Item	Period 1			Period 2		Period 3		Notes: As applicable, attached.	
			1982	1984	1986	1987	1989	1991	1993		
Figure 4	N- 5B IR	B 3.100									
	RHDD-1	B 3. 90				I					
	N- 6A IR	B 3.100				I					
	HSBD-1	B 3. 90						I			
	N- 6B IR	B 3.100						I			
	VAD-1	B 3. 90		I							
	N- 7 IR	B 3.100									
	JPAD-1	B 3. 90		I							
	N- 8A IR	B 3.100									
	JPBD-1	B 3. 90						I			
	N- 8B IR	B 3.100							S?		
	CRAD-1	B 3. 90		I							
	N- 9 IR	B 3.100									
	CPAD-1	B 3. 90					I				
	N-10 IR	B 3.100					I				
N-11A(VIAE-1) N-11B(VIBE-1) N-12A(VICE-1) N-12B(VIDE-1) N-13 (VFBE-18) N-14 (VFBE-18) N-15 (HDAE-1)	B 4. 12									1 1 1 1 1 1 1	
Figure 5	HCCB- 1 HCCB- 1 HCCB- 2	B 1. 21			I I I	I I I	I	I I I			
	HMAB- 1 HMAB- 2 HMAB- 3 HMAB- 4 HMAB- 5 HMAB- 6 HMAB- 7 HMAB- 8 HMAB- 9 HMAB-10 HMCB- 1 HMCB- 2 HMCB- 3 HMCB- 4 HMCB- 5 HMCB- 6	B 1. 22			I     I I I I  I      I	I I I I  I      I		I I          I I			
	HCAH- 2	B 8. 10		I				I	I		
	Figure 6	Vsl Stblzr Lugs									*51
	ISI- 1	MSAJ- 2	B 9. 11								

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ISO Number	Item Identification	A S M E Section XI Item	Period 1			Period 2		Period 3		Notes: As applicable, attached.		
			1982	1984	1986	1987	1989	1991	1993			
ISI- 1	MSAJ- 3 MSAJ- 4 MSAJ- 5 MSAJ- 6 MSAJ- 8 MSAJ- 9 MSAJ-10 MSAJ-11 MSAJ-12	B 9. 11			I I I	I I I			I			
	MSAJ-R15	B 9. 31	I (BL)									
	MSAJ-R16	B 9. 11	I (BL)									
	MSAJ-17	B 9. 31			I	I						
	MSAJ-18	B 9. 11			I	I						
	MASJ-19	B 9. 31	I (BL)									
	MSAJ-20	B 9. 11	I (BL)									
	MSAJ-R21	B 9. 31							I			
	MSAJ-R22	B 9. 11							I			
	MSAJ-23	B 9. 31										
	MSAJ-24	B 9. 11										
	MSAJ-26	B 9. 31										
	MSAJ-27 MSAJ-28 MSAJ-29 MSAJ-32 MSAJ-34 MSAJ-36 MSAJ-38 MSAJ-39 MSAJ-40 MSAJ-41 MSAJ-43	B 9. 11								I		
	MSAJ-37								I	S	*67, 3 *67	
	MSAJ-42								I			
	MSAK- 7	B10. 10/B11. 10			I (BL)	I (BL)						
	MSAK-11A MSAK-13	B11. 10			I	I			I			
	MSAK-14	B10. 10/B11. 10			I	I						
	MSAK-25 MSAK-30 MSAK-30A	B11. 10							I I	S		
	MSAK-31	B10. 10							I			
	FLG-MSAJ-18 FLG-MSAJ-R22 FLG-MSAJ-24 FLG-MSAJ-27	B 7. 50			I	I			I I I			
	A02-80A A02-86A	B 7. 70							I I			

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ISO Number	Item Identification	A S M E Section XI Item	Period 1			Period 2		Period 3		Notes: As applicable, attached.
			1982	1984	1986	1987	1989	1991	1993	
ISI- 1	RV2- 71A RV2- 71E	B 7. 70			I I	I I				
	RV2- 71A RV2- 71E AO2-80A AO2-86A	B12. 40					I			5 5 12 12
ISI- 2	MSBJ- 2 MSBJ- 3 MSBJ- 4 MSBJ- 5 MSBJ- 6 MSBJ- 8 MSBJ- 9 MSBJ-10 MSBJ-11 MSBJ-12 MSBJ-13 MSBJ-15	B 9. 11					I I			
	MSBJ-16 MSBJ-18	B 9. 31	I (BL)				I			
	MSBJ-19	B 9. 11					I			
	MSBJ-20	B 9. 31	I (BL)							
	MSBJ-21	B 9. 11	I (BL)							
	MSBJ-22	B 9. 31								
	MSBJ-23	B 9. 11						I		
	MSBJ-24	B 9. 31						I		
	MSBJ-25 MSBJ-27 MSBJ-28 MSBJ-29 MSBJ-30 MSBJ-31 MSBJ-33 MSBJ-35 MSBJ-36 MSBJ-37 MSBJ-38 MSBJ-39 MSBJ-40	B 9. 11					I		I	
	MSBK- 7	B10. 10/B11. 10						I		
	MSBK-14 MSBK-14A MSBK-17	B11. 10						I I	I	
	MSBK-26	B10. 10/B11. 10						I		
	FLG MSBJ 19	B 7. 50						I		
	RV2- 71G RV2- 71B AO2-80B AO2-86B	B 7. 70					I I		I I	

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ISO Number	Item Identification	A S M E Section XI Item	Period 1			Period 2		Period 3		Notes: As applicable, attached.	
			1982	1984	1986	1987	1989	1991	1993		
ISI- 2	A02-80B A02-86B RV2- 71G RV2- 71B	B12. 40								12 12 5 5	
ISI- 3	MSCJ- 2 MSCJ- 3 MSCJ- 4 MSCJ- 5 MSCJ- 6 MSCJ- 8 MSCJ- 9 MSCJ-10 MSCJ-11 MSCJ-12 MSCJ-13	B 9. 11			I I	I I			S		
	MSCJ-15	B 9. 31	I (BL)								
	MSCJ-16	B 9. 11	I								
	MSCJ-18	B 9. 31	I								
	MSCJ-19	B 9. 11			I	I					
	MSCJ-20	B 9. 31	I (BL)								
	MSCJ-21	B 9. 11	I								
	MSCJ-22	B 9. 31									
	MSCJ-23 MSCJ-25 MSCJ-27 MSCJ-28 MSCJ-29 MSCJ-30 MSCJ-31 MSCJ-33 MSCJ-35 MSCJ-36 MSCJ-37 MSCJ-38 MSCJ-39 MSCJ-40 MSCJ-41	B 9. 11				I		I		S	*67, 3 *67
	MSCK- 7	B10. 10/B11. 10						I			
	MSCK-14 MSCK-14A	B11. 10			I	I			I		
	MSCK-26	B10. 10/B11. 10							I		
	MSCK-17	B11. 10			I	I					
	FLG MSCJ 19	B 7. 50			I	I					
	RV2- 71H RV2- 71C A02-80C A02-86C	B 7. 70			I I	I I			I I		
	RV2- 71H	B12. 40									5

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ISO Number	Item Identification	A S M E Section XI Item	Period 1			Period 2		Period 3		Notes: As applicable, attached.	
			1982	1984	1986	1987	1989	1991	1993		
ISI- 3	RV2- 71C AO2-80C AO2-86C	B12. 40								5 12 12	
ISI- 4	MSDJ- 2 MSDJ- 3 MSDJ- 4 MSDJ- 5 MSDJ- 6 MSDJ- 8 MSDJ- 9 MSDJ-10 MSDJ-11 MSDJ-12 MSDJ-13	B 9. 11						I			
	MSDJ-16	B 9. 31	I (BL)								
	MSDJ-17	B 9. 11	I								
	MSDJ-18	B 9. 31			I	I					
	MSDJ-19	B 9. 11			I	I					
	MSDJ-20	B 9. 31	I (BL)								
	MSDJ-21	B 9. 11	I								
	MSDJ-22	B 9. 31						I			
	MSDJ-23	B 9. 11						I			
	MSDJ-24	B 9. 31									
	MSDJ-25	B 9. 11									
	MSDJ-27	B 9. 31									
	MSDJ-28 MSDJ-29 MSDJ-30 MSDJ-33 MSDJ-34 MSDJ-36 MSDJ-38 MSDJ-40 MSDJ-41 MSDJ-42 MSDJ-43 MSDJ-44 MSDJ-45	B 9. 11						I		I	
	MSDK- 7	B10. 10/B11. 10							I		
	MSDK-14 MSDK-15	B11. 10						I I			
	MSDK-26	B10. 10/B11. 10							I		
	MSDK-31 MSDK-31A	B11. 10			I	I					
	MSDK-32	B10. 10					I				
	FLG MSDJ 19	B 7. 50			I	I					

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Second Interval

ISO Number	Item Identification	A S M E Section XI Item	Period 1			Period 2		Period 3		Notes: As applicable, attached.	
			1982	1984	1986	1987	1989	1991	1993		
ISI- 4	FLG MSDJ 23 FLG MSDJ 25 FLG MSDJ 28	B 7. 50				I		I I			
	RV-2 71D RV-2-71F AO-2-80D AO-2-86D	B 7. 70					I I	I I			
	RV2- 71D RV2- 71F AO2-80D AO2-86D	B12. 40					I			5 5 12 12	
ISI- 5A	FWAJ- 2	B 9. 11									
	FWP-A- 1										
	FWP-A- 2										
	FWP-A- 3										
	FWP-A- 4										
	FWP-A- 5										
	FWAJ- 8				I						
	FWAJ- 9				I						
	FWAJ-10								I		
	FWAJ-11										
	FWAJ-12										
	FWAJ-16							I			
	FWAJ-18										
	FWAJ-19										
	FWAJ-20										
	FWAJ-22										
	FWAJ-23									I	
FWAJ-24											
FWAJ-25											
FWAJ-27											
FWAJ-30											
FWAJ-33											
FWAJ-34									S		
FWAJ-38											
FWBJ- 2											
FWP-B- 1											
FWP-B- 2											
FWP-B- 3											
FWP-B- 4											
FWP-B- 5											
FWBJ-B-8											
FWBJ-B-9											
FWBJ-10											
FWBJ-11											
FWBJ-12											
FWAK- 7	B10. 10/B11. 10			I		I		I			
FWAK-13	B10. 10			I		I		I			
FWAK-14	B11. 10			I		I		I			
FWAK-15				I		I					
FWAK-17				I		I					
FWAK-21	B10. 10/B11. 10			I		I		I			
FWAK-31	B11. 10			I		I					
FW- 98-2	B 7. 70										
FW- 97-2				I		I		I			

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ISO Number	Item Identification	A S M E Section XI Item	Period 1			Period 2		Period 3		Notes: As applicable, attached.	
			1982	1984	1986	1987	1989	1991	1993		
ISI- 5A	FW- 94-2	B 7. 70							S		
	FW- 97-2 FW- 98-2 FW- 94-2	B12. 40					I			6 10 6	
ISI- 5B	FWDJ- 2	B 9. 11									
	FWP-D- 1										
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	FWDJ- 8										
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	FWDJ-10									S	
	FWDJ-11				I		I				
	FWDJ-12				I		I				
	FWDJ-16										
	FWDJ-18										
	FWDJ-19					I		I			
	FWDJ-20					I		I			
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FWDK- 7	B10. 10/B11. 10				I		I				
FWDK-13	B11. 10				I		I				
FWDK-14					I		I				
FWDK-15								I			
FWDK-17					I		I				
FWDK-21	B10. 10/B11. 10				I		I				
FWDK-31	B11. 10				I		I	I			
FWCK- 7	B10. 10/B11. 10				I		I				
FW- 98-1	B 7. 70						I				
FW- 97-1					I		I				
FW- 94-1									I		
FW- 97-1	B12. 40										
FW- 98-1											
FW- 94-1											
6 10 6											
ISI- 6A	CSAJR- 2	B 9. 11									







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			1982	1984	1986	1987	1989	1991	1993			
ISI- 9	CWAKR-15	B11. 10										
	RC- 1 RC-104 MO-2398 MO-2397	B 7. 70		I			I		I	S		
	CWAF- 2	B 9. 11	I							4		
	CWAJ- 1	B 9. 31	I							4		
ISI-10	CRAFR- 2	B 9. 11			I	I				2		
ISI-11A	RHAJR- 1 RHAJR- 2 RHAJR- 3 RHAJR- 4 RHAJR- 5 RHAJR- 6 RHAJR- 7 RHAJR-11 RHAJR-12 RHAJR-16 RHAJ-20 RHAJ-21 RHAJ-23 RHAJ-24 RHAJ-25 RHAJ-26 RHAJ-28 RHAJ-29 RHAJ-32	B 9. 11	I I I									
	RHAJR- 8	B 9. 31								S		
	RHAJR- 9	B 9. 11								S		
	RHAJR-13	B 9. 31										
	RHAJR-14	B 9. 11										
	RHAK-R-8 RHAK-R13 RHAK-R14 RHAK-R19	B11. 10					I I I			S		
	RHAK-R22	B10. 10								S		
	POS-2028 POS-2029 POS-2030	B 7. 70		I			I I					
	POS-2028 POS-2029 POS-2030	B12. 40									10 10 10	
	ISI-11B	RHBJR- 1 RHBJR- 2 RHBJR- 3 RHBJR- 4 RHBJR- 5 RHBFR- 6	B 9. 11				I I				S	
							I	I				2
											S	
ISI-11A	FLG RHAJR- 9	B 7. 50								S		

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			1982	1984	1986	1987	1989	1991	1993			
ISI-11A	FLG RHAJR-14	B 7. 50							S			
ISI-11B	RHBJR- 7 RHBJR- 8	B 9. 11				I	I					
	RHBJR- 9	B 9. 31							S			
	RHBJR-10 RHBJR-12 RHBJR-13 RHBJR-14 RHBJR-14A RHBJR-15 RHBJR-16 RHBJR-18 RHBJR-19 RHBFR-23	B 9. 11				I  I				S  S	2	
	RHBJR-20	B 9. 31										
	RHBJR-21	B 9. 11										
	FLG RHBJR-10 FLG RHBJR-21	B 7. 50							S S			
	RHBFR-24 RHBJR-25 RHBJ-26 RHBJ-27 RHBJ-28 RHBJ-30 RHBJ-31 RHBJ-33	B 9. 11		I							2	
				I							*67, 3 *67,	
	RHBKR-10 RHBKR-12 RHBKR-18	B11. 10								S S		
	RHBKR-23	B10. 10/B11. 10								I		
	POS-2019 AOIO-46B MO-2015	B 7. 70			I	I				I I		
	AOIO-46B POS-2019 MO-2015	B12. 40								I	7 10 10	
	RHBF- 4 RHBF-20 RHBF-24	B 9. 11									I I I	4 4 4
	ISI-11C	RHCF- 4 RHCF-20 RHCF-23 RHCJ- 7 RHCJ-21 RHCJ- 2 RHCJ- 1 RHCJ- 3 RHCJR- 1 RHCJR- 2 RHCJR- 3	B 9. 11									I I I I I I I I I I I

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			1982	1984	1986	1987	1989	1991	1993		
ISI-11C	RHCJR- 4 RHCJR- 5 RHCJR- 6 RHCJR- 7 RHCJR- 8	B 9. 11									
	RHCJR- 9	B 9. 31									
	RHCJR-10 RHCJR-12 RHCJR-13 RHCJR-14 RHCJR-15 RHCJR-16 RHCJR-17 RHCJR-18 RHCJR-19	B 9. 11									
	RHCJR-20	B 9. 31					I				
	RHCJR-21	B 9. 11					I				
	RHCJR- 9	B 7. 50							S		
	RHCJR-23 RHCJR-24 RHCJR-25 RHCJ-26 RHCJ-27 RHCJ-28 RHCJ-29 RHCJ-31 RHCJ-32 RHCJ-34	B 9. 11					I I I	I	S	2 2  *67, 3 *67	
	RHCK-R9 RHCK-R10	B11. 10				I					
	RHCKR-17A	B10. 10/B11. 10				I			S		
	RHCJR-21	B 7. 50							S		
	RHCKR-24	B10. 10/B11. 10				I			S		
	POS-2018 AOIO-46A MO-2014	B 7. 70		I		I		I			
	AOIO-46A POS-2018 MO-2014	B12. 40								7 10 10	
	ISI-11D	RHDJ- 2 RHDJ- 3 RHDJ- 4 RHDJ- 5 RHDJ- 6 RHDJ- 7 RHDJ- 8 RHDJ- 9 RHDJ- 10 RHDJ- 11 RHDJ- 12 RHDJ- 13	B 9. 11		I		I	I			2
										S	
							I				
						I					
									S		

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			1982	1984	1986	1987	1989	1991	1993		
ISI-11D	RHDJ-15 RHDJ-16 RHDJ-17 RHDJ-18 RHDJ-21 RHDJ-22 RHDJ-25 RHDJ-26 RHDJ-28	B 9. 11				I			S	*67, 3 *67	
	FLG RHDJ 3 FLG RHDJ 7	B 7. 50					I I				
	RHDK-14 RHDK-14A RHDK-29	B11. 10			I I	I I I (BL)	I		S		
	RHR-21 MO-2027 MO-2026	B 7. 70		I			I I				
ISI-11E	RHEJR- 1	B 9. 31									
	RHEJR- 2 RHEJR- 3 RHEJR- 4 RHEJR- 5 RHEJR- 6 RHEJR- 7 RHEJR- 8 RHEJR- 9 RHEJR- 10 RHEJR- 10A RHEJR- 11 RHEJR- 12 RHEJR- 13 RHEJR- 14 RHEJR- 15 RHEJR- 16 RHEJR- 19	B 9. 11					I		S  S		
	RHEJR-20	B 9. 31									
	RHEJR-21 RHEJR-22 RHEJR-23 RHEJR-24 RHEJR-25 RHEJR-26 RHEJR-27 RHEJR-28 RHEJR-29 RHEJR-30 RHEJR-31 RHEJR-32 RHEJR-33 RHEJR-34	B 9. 11					I	I		S	
	RHEJR-37	B 9. 31									
	MO-4085A MO-4085B MO-4086	B 7. 70				I		I I			

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			1982	1984	1986	1987	1989	1991	1993	
ISI-11E	RHEKR-10 RHEKR-12 RHEKR-23 RHEKR-25	B11. 10		I		I			S S	
ISI-12	RSAJ- 1 RSAJ- 2 RSAJ- 3 RSAJ- 4 RSAJ- 5 RSAJ- 7 RSAJ- 8 RSAJ-10 RSAJ-11 RSAJ-12 RSAJ-14 RSAJ-16 RSAJ-17 RSAJ-19	B 9. 21		I I				I		S  *67, 3 *67
	MO-2075 MO-2076	B 7. 70				I		I		
	RSAK- 6	B10. 10/B.11 .10		I	I (BL)	I (BL)	1 (BL)			
	RSAK- 9	B11. 10			I (BL)	I (BL)		I		
ISI-13A	RCAF- 2 RCAFR- 2	B 5. 10	I							4 2
	RCAJR- 3 RCAJR- 4 RCAJR- 4A RCAJR- 5 RCAJR- 7 RCAJR- 8 RCAJR- 9 RCAJR-10 RCAJR-11 RCAJR-12 RCAJR-15 RCAJR-16 RCAJR-17 RCAJR-18 RCAJR-20 RCAJR-21 RCAJR-22 RCAJR-23 RCAJR-24	B 9. 11				I I		I		S
	FLG @ RCAJR-18	B 7. 50							S	
	P200A	B 7. 60	I			I				*24
	P200A	B12. 20								*41
	MO2- 43A MO2- 53A	B 7. 70						I I		*24 *24
	RCAKR- 6	B11. 10								
	MO2- 43A MO2- 53A	B12. 40								13;*42 13;*42
	RCAKR-12	B10. 10/B11. 10				I				

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			1982	1984	1986	1987	1989	1991	1993	
ISI-13A	RCAKR-12A	B10. 10/B11. 10					I			
	RCAKR-16	B10. 30/B11. 30	I							
	RCAKR-18 RCAKR-21	B10. 10/B11. 10	I							
	RCAKR-29	B11. 30								
	RCAKR-31 RCAKR-33	B10. 10/B11. 10	I							
	RCAKR-34	B11. 10							S	
	RCAF-2	B 5. 10	I							4
	RCAJ-13	B 9. 11	I							4
	RCAJ- 3		I							4
	RCAJ- 4		I							4
	RCAJ- 5		I							4
	RCAJ- 6		I							4
	RCAJ- 9		I							4
	RCAJ-11		I							4
	RCAJ-15		I							4
	RCAJ-17		I							4
	RCAJ-20		I							4
	RCAJ-21		I							4
	RCAJ-23		I							4
	RCAJ-24		I							4
RCAJ-28	I								4	
RCAJ-30	I								4	
RCAJ-32	I							4		
RCAJ-35	I							4		
ISI-13Ash2	RCAKR-22	B10. 20/B11. 20							S	
	RCAKR-22A	B11. 20							S	
	RCAKR-24A RCAKR-24B	B10. 20/B11. 20							S S	
	PSSAR- 4A PSSAR- 4B PSSAR- 5 PHAR- 3 PHAR- 4 PHAR- 5	B11. 20				I  I I			S S	
ISI-13B	RCBFR- 2 RCBF- 2	B 5. 10	I							S 4
	RCBJR- 3 RCBJR- 4 RCBJR- 5 RCBJR- 6 RCBJR- 7 RCBJR- 8 RCBJR- 9 RCBJR- 10 RCBJR- 13 RCBJR- 14 RCBJR- 15	B 9. 11								S
	RCBJR- 16	B 9. 32								

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			1982	1984	1986	1987	1989	1991	1993		
ISI-13B	RCBJR-18 RCBJR-19 RCBJR-20 RCBJR-21 RCBJR-22 RCBJR-23	B 9. 11									
	P-200B	B 7. 60	I				I		S	*24	
	P-200B	B12. 20								*41	
	FLG RCBJR-16	B 7. 50			I	I					
	MO2- 43B MO2- 53B	B 7. 70	I I			I I		I I		*24 *24	
	MO2- 43B MO2- 53B	B12. 40								13;*42 13;*42	
	RCBKR- 8 RCBKR-10	B11. 10					I				
	RCBK-10A RCBK-14	B10. 10/B11. 10	I I							4 4	
	RCBKR-10A	B10. 10/11. 10									
	RCBKR-12	B11. 10									
	RCBKR-14	B10. 30/B11. 30									
	RCBKR-16 RCBKR-29	B10. 10/B11. 10				I	I				
	RCBKR-30	B11. 10					I				
	RCBKR-32	B10. 10/B11. 10				I					
	RCBKR-33	B11. 10					I				
	RCBKR-27	B11. 30							S		
	RCBK-10 RCBK-12 PHB- 6 PSSB- 5	B11. 10	I I I I								4 4 4 4
	RCBF- 2	B 5. 10	I								4
	RCBJ-11 RCBJ-13 RCBJ- 3 RCBJ- 4 RCBJ- 5 RCBJ- 6 RCBJ- 9 RCBJ-15 RCBJ-18 RCBJ-19 RCBJ-21 RCBJ-22 RCBJ-26 RCBJ-28 RCBJ-31	B 9. 11	I I I I I I I I I I I I I I I I								4 4 4 4 4 4 4 4 4 4 4 4 4 4 4



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			1982	1984	1986	1987	1989	1991	1993		
ISI-13B	RCBJ-34	B 9. 11	I							4	
ISI-13Bsh2	PHBR- 3 PHBR- 6 PHBR- 7 PSSBR- 4A PSSBR- 4B PSSBR- 5	B11. 20					I		S S S		
	RCBKR-20	B10. 20/B11. 20						I			
	RCBKR-20A	B11. 20									
	RCBKR-25 RCBKR-25A	B10. 20/B11. 20						I	S		
ISI-13C	RRFFR- 2	B 5. 10					I		S	2	
	RRFJR- 3 RRFJR- 4 RRFJR- 5 RRFJR- 6 RRFJR- 7	B 9. 11							S S	2	
	RRGFR- 2	B 5. 10					I			2	
	RRGJR- 3	B 5. 50									
	RRGJR- 4 RRGJR- 5	B 9. 11					I				
	RRHFR- 2	B 5. 10					I				
	RRHJR- 3 RRHJR- 4	B 9. 11									
	RRJFR- 2	B 5. 10									
	RRJJR- 3 RRJJR- 4 RRJJR- 5 RRKFR- 2 RRKJR- 3 RRKJR- 4 RRKJR- 5 RRKJR- 6 RRKJR- 7 RMAJR- 1 RMAJR- 2 RMAJR- 3 RMAJR- 3A RMAJR- 4 RMAJR- 5A RMAJR- 5 RMAJR- 6 RMAJR- 7	B 9. 11	I							S S	2
	RRGKR- 6 RRHKR- 6 RRJKR- 6 RRKKR- 6 RMAKR-13B RMAKR-13 RMAK-11	B11. 10					I I			S S	4







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			1982	1984	1986	1987	1989	1991	1993	
ISI-15	16 15 14 21 22 23 24 25 26 31 38 39 40 41	B 9. 40						I		
	HVAF- 2	B 5. 10		I						2
	HVAJ- 3	B 5. 50		I						
	XDV- 1 XDV- 2 XDV- 3	B 7. 70					I	I		
	FLG- 8A FLG-66 FLG-HVAJ-3	B 7. 50					I I			
	HVAK-21 HVAK-38	B11. 10		I					S	
ISI-16	JPAFR- 2 JPBFR- 2 JPBF- 2 JPBJ- 3	B 9. 11		I (BL) I (BL) I I				I		2 4 4
ISI-17	CPAFR- 2 CPAJR- 3 CPAJR- 4 CPAJR- 6 CPAF- 2	B 9. 11		I			I			4
ISI-18	VIAF- 2	B 9. 21		I						2
	VIAJ- 3 VIAJ- 1 VIAJR- 1 VIAJR- 2 VIAJR- 3 VIAJR- 4	B 9. 40		I I						
	VIAJ-19	B 9. 11		I						4
ISI-18A	VIBF- 2	B 9. 21	I	I		I				2
	VIBJ- 3 VIBJ- 1 VIBJR- 1 VIBJR- 2 VIBJR- 3 VIBJR- 4	B 9. 40								
ISI-19	VICF- 2	B 9. 21		I						2
	VICJ- 3	B 9. 40								

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			1982	1984	1986	1987	1989	1991	1993	
ISI-19	VIDF- 2	B 9. 21		I						2
	VIDJ- 3	B 9. 40					I			
ISI-21	HDAJ- 2	B 9. 40								23
	HDAJ- 3									
	HDAJ- 4									
	HDAJ- 5									
	HDAJ- 6									
	HDAJ- 7									
	HDAJ- 8									
	HDAJ- 9						I			
	HDAJ-10						I			
	HDAJ-11									
	HDAJ-12									
	HDAJ-13									
	HDAJ-14									
	HDAJ-15								I	
	HDAJ-22								I	
	HDAJ-23									
	HDAJ-24									
	HDAJ-25					I		I		
	HDAJ-26					I		I		
	HDAJ-27					I		I		
	HDAJ-28					I		I		
	HDAJ-29									
	HDAJ-30									
	HDAJ-31									
	HDAJ-32									
	HDAJ-33									
	HDAJ-34									
	HDAJ-35									
	HDAJ-36								I	
	HDAJ-37								I	
	HDAJ-38									
	HDAJ-39									
	HDAJ-40									
HDAJ-41										
HDAJ-42						I				
HDAJ-43										
HDAJ-44										
HDAJ-45										
HDAJ-46										
HDAJ-47										
	HDAK-12A	B11. 10								
	HDAK-22A								I	
	HDAK-22B									
	HDAK-24A				I		I			
	HDAK-32A				I		I		I	
	HDAK-28A				I		I			
	HDAK-29A						I			
	XDV- 4	B 7. 70						I		
ISI-22	CPAJR- 4A	B 9. 21								
	CPAJ- 5									
	CPAJR- 7									
	CPAJR- 8									
	CPAJR- 9									
	CPAJR-10									
	CPAJR-11									
	CPAJR-12									
CPAJR-13										

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			1982	1984	1986	1987	1989	1991	1993	
ISI-22	CPAJR-14 CPAJR-15 CPAJR-16 CPAJR-17 CPAJR-18 CPAJR-21 CPAJR-22 CPAJR-22A CPAJR-22B CPAJ-23 CPAJ-24 CPAJR-24A CPAJR-24B CPAJ-25 CPAJ-26 CPAJ-27 CPAJ-28 CPAJ-29 CPAJ-30 CPAJ-31 CPAJ-32	B 9. 21		I		I		I I I I I		
	CPAK-14A CPAK-19 CPAK-19A CPAK-20	B11. 10		I		I	I	I I		
	XP- 8 XP- 7 XP- 6	B 7. 70		I		I		I		
ISI-23	CLAJ- 1 CLAJ- 2 CLAJ- 3 CLAJ- 4 CLAJ- 5 CLAJ- 6 CLAJ- 7 CLAJ- 8 CLAJ- 9 CLAJ-10	B 9. 21			I I	I I			I S	*67, 3 *67
	6	B 9. 32						I		
	11 MSADJ- 1 MSADJ- 2 MSADJ- 3 MSADJ- 4 MSADJ- 5 MSADJ- 6 MSADJ- 7 MSADJ- 8 MSADJ- 9 MSADJ-10 MSADJ-11 MSADJ-12 14 15 28 27 26 25 24	B 9. 40			I (BL) I (BL) I (BL) I (BL) I (BL) I (BL) I (BL) I (BL) I (BL) I (BL) I (BL) I (BL) I I I	I (BL) I (BL) I (BL) I (BL) I (BL) I (BL) I (BL) I (BL) I (BL) I (BL) I (BL) I (BL) I I I		I		

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			1982	1984	1986	1987	1989	1991	1993		
ISI-23	MSAJ-35 8	B 9. 32			I	I					
	36 35 34 33 32 31 30 MSBJ- 32 9 44 43 42 41 40 39 38 MSCJ-32 7 62 MSDDJ- 1 MSDDJ- 2 MSDDJ- 3 MSDDJ- 4 MSDDJ- 5 MSDDJ- 6 MSDDJ- 7 12 MSDDJ- 8 MSDDJ- 9 MSDDJ-10 MSDDJ-10A MSDDJ-10B MSDDJ-11	B 9. 40									
	SR-723 PSH-724 SR-772 PSH-725	B11. 10			I	I I I I	I  I		I		
	MO-2373 MO-2374	B 7. 70			I	I	I				
ISI-24A	CDAJ-17 CDAJ-28 CDAJ-29 CDAJ-33 CDAJ-36 CDAJ-34 CDAJ-35 CDAJ-42 CDAF-43 CDAJ-44 CDAJ-45 CDAJ-46 CDAJ-47 CDAJ-48 CDAJ-49 CDAJ-50 CDAJ-51 CDAJ-52 CDAJ-53	B 9. 11	I (BL) I (BL) I (BL) I (BL) I (BL)  I (BL) I (BL)  I (BL) I (BL)  I (BL) I (BL) I (BL) I (BL) I (BL) I (BL) I (BL) I (BL) I (BL)						I  I  I  I  I  I		2





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			1982	1984	1986	1987	1989	1991	1993		
ISI-24B	CDBJ-39 CDBJ-40 CDBJ-41 CDBJ-42 CDBJ-43 CDBJ-44 CDBJ-45 CDBJ-46	B 9. 11	I (BL) I (BL)				I I		I		
	CDBK- 2 CDBK- 3 CDBK- 5 CDBK- 4 CDBK- 16 CDBK-16A CDBK- 17 CDBK-17A CDBK-29 CDBK-30 CDBK-31 CDBK-32 CDBK-23A CDBK-47	B11. 10			I I		I I I I I I I I I I		I I I I I I		17
ISI-24C	SDAJ- 1	B 9. 40							I		
	SDAJ- 2	B 9. 11									
	SDAJ- 3 SDAJ- 4	B 9. 40			I	I					
	SDAJ- 5 SDAJ- 6 SDAJ- 7	B 9. 11					I				
	SDBJ- 1 SDBJ- 2 SDBJ- 3 SDBJ- 4 SDBJ- 5 SDBJ- 6	B 9. 40			I	I			I		
	SDBJ- 7	B 9. 11									
	CV-3-33A CV-3-33B	B 7. 70							I I		20
	SDAK- 6 SDBK- 6	B11. 10			I	I			I		
ISI-26RD	RCAJR-13	B 9. 32									
	1A 2A 3A 4A 5A 6A 7A 8A 9A 10A 11A 12A	B 9. 40								I I	

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			1982	1984	1986	1987	1989	1991	1993	
ISI-26RD	13A 14A	B 9. 40								
	RCBJR-11	B 9. 32				I				
	1B 2B 3B 4B 5B 6B 7B 8B 9B 10B 11B 12B	B 9. 40				I  I			I	
	XR- 6-1 XR- 7-1 XR- 6-2 XR- 7-2	B 7. 70	I I			I I				
ISI-31	15 247 248 249 17 251 18 252 19 20 21 22 256 255 254 253 24 CIAJ-24 CIAJ-25 CIAJ-27 CIAJ-29 CIAJ-30 CIAJ-32 CIAJ-33 CIAJ-35 CIAJ-36 CIAJ-38 CIAJ-39 CIAJ-41 CIAJ-42 CIAJ-44 CIAJ-45 CIAJ-46 CIAJ-47 CIAJ-48 CIAJ-49 CIAJ-51 CIAJ-53 CIAJ-54 CIAJ-55 CIAJ-56	C 5. 21		I I				I  I  I  I  I		

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			1982	1984	1986	1987	1989	1991	1993		
ISI-31	CIAJ-57 CIAJ-58 CIAJ-60 CIAJ-61 CIAJ-62 CIAJ-63	C 5. 21		I							
	TWH- 36	C 3. 40 / C 3. 50				I	I (BL)				
	TWH- 37A TWH- 37 SS-35 TWH- 38 TWH- 39 TWH- 39A TWH- 40 SR-69 CIAK-25 CIAK-26 CIAK-27A CIAK-28	C 3. 50	I	I	I (BL) I (BL)	I (BL) I (BL) I (BL) I (BL) I (BL) I (BL) I (BL) I (BL) I (BL) I (BL) I (BL)	I I I I				
	CIAK-31	C 3. 40	I								
	CIAK-34 CIAK-37 CIAK-37A CIAK-40 CIAK-44A	C 3. 50			I (BL) I (BL) I (BL)	I (BL) I (BL) I (BL) I (BL)	I (BL)	I I I I			
	CIAK-45	C 3. 40				I	I				
	CIAK-48A CIAK-50	C 3. 50				I (BL) I (BL)	I I (BL)				
	CIAK-52	C 3. 40 / C 3. 50			I (BL)	I (BL)	I				
	CIAK-59 CIAK-59A CIAK-61A	C 3. 50	I		I (BL) I (BL)	I (BL) I (BL)		I			
	ISI-31A	3 238 239 4 5 240 241 6 242 7 8 9 10 243 244 245 12 13 13C 13D 13E 246	C 5. 11								S
		TWH- 27	C 3. 50					I			

Monticello Nuclear Generating Plant  
In Service Inspection Schedule  
Second Interval

ISO Number	Item Identification	A S M E Section XI Item	Period 1			Period 2		Period 3		Notes: As applicable, attached.
			1982	1984	1986	1987	1989	1991	1993	
ISI-31A	TWH- 28 TWH- 29 SR-72	C 3. 50					I	I I		
ISI-32	TDAJ- 1 TDAJ- 2 TDJR- 3 TDAJR- 4 TDAJR- 4A TDAJR- 6 TDAJR- 7 TDAJ- 8 TDAJR- 9 TDAJ-12 TDAJ-14 TDAJ-15 TDAJ-18 TDAJ-19 TDAJ-20 TDAJ-21 TDAJ-22 TDAJ-24 TDAJ-27 TDAJ-28 TDAJ-31 TDAJ-32 TDAJ-35 TDAJ-36 TDAJ-37 TDAJ-38 TDAJ-39 TDAJ-40 TDAJ-41 TDAJ-42	C 5. 11					I I  I I	I		
	TDAK- 5	C 3. 50			I	I				
	TDAK-10	C 3. 40			I	I (BL)		I		
	TDAK-13 TDAK-16 TDAK-17 TDAK-23 TDAK-26 TDAK-26A TDAK-26B TDAKR-30 TDAK-33 TDAK-34 TDAK-40A	C 3. 50	I I (BL)		I I I I I I I I I I	I (BL) I (BL) I I (BL) I (BL) I (BL) I (BL) I I (BL)	I	I I I I I I		
ISI-33	TDBJ- 1 TDBJ- 2 TDBJ- 3 TDBJ- 4 TDBJ- 5 TDBJ- 6 TDBJ- 9 TDBJ-10 TDBJ-13 TDBJ-14 TDBJ-16 TDBJ-17 TDBJ-18	C 5. 11					I	I		

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ISO Number	Item Identification	A S M E Section XI Item	Period 1			Period 2		Period 3		Notes: As applicable, attached.
			1982	1984	1986	1987	1989	1991	1993	
ISI-33	TDBJ-19 TDBJ-20 TDBJ-22 TDBJ-23 TDBJ-25 TDBJ-26 TDBJ-27 TDBJ-28 TDBJ-29 TDBJ-31 TDBJ-32 TDBJ-33 TDBJ-34 TDBJ-35	C 5. 11					I	I		
	TDBK- 7 TDBK- 8A TDBK- 8B	C 3. 50			I I I	I I I				
	TDBK-11	C 3. 40					I			
	TDBK-15 TDBK-21	C 3. 50					I I			
	SR-216	C 3. 40					I (BL)			
	TDBK-24	C 3. 50					I			
	SR-217 SR-218	C 3. 40 / C 3. 50					I (BL) I (BL)	I I		
ISI-34	10 10A 10B 523 524 11 12 13 14 527 526 525 15 527B 528 529 17C 17B 17A 530 17 531 532 533 534 535 18 1 536 3 4 538 539	C 5. 11							I	

Monticello Nuclear Generating Plant  
In Service Inspection Schedule  
Second Interval

ISO Number	Item Identification	A S M E Section XI Item	Period 1			Period 2		Period 3		Notes: As applicable, attached.
			1982	1984	1986	1987	1989	1991	1993	
ISI-34	540 541 5 542 543 6 544 546 547 548 549 550 551	C 5. 11								
	TWH- 51 TWH- 2 SS-27 TWH- 53	C 3. 50		I		I (BL) I I	I (BL) I	I		
	TWH- 54 TWH- 81	C 3. 40 / C 3. 50		I I	I I	I I				
	TWH- 81A TWH- 82 TWH- 83 TWH- 83A TWH- 84 SR-58 TWH- 85	C 3. 50		I	I (BL) I (BL) I (BL) I (BL) I (BL) I (BL) I (BL)	I (BL) I (BL) I (BL) I (BL) I (BL) I (BL)	I (BL) I (BL) I I (BL)	I I I		
	TWH- 86	C 3. 40 / C 3. 50			I	I		I		
	7 545	C 5. 11								
	ISI-34A	CSAJ-27 CSAJ-28 CSAJ-29 CSAJ-30 CSAJ-32 CSAJ-33 CSAJ-34 CSAJ-36 CSAJ-38 CSAJ-39 CSAJ-40 CSAJ-41 CSAJ-43 CSAJ-44 CSAJ-45 CSAJ-48 CSAJ-49 CSAJ-50 CSAJ-51 CSAJ-53 665 666 8 22 676	C 5. 11		I					S S S S S S
CSAK-30A CSAK-32A CSAK-37		C 3. 50		I	I (BL)	I I (BL)		I	S	





Monticello Nuclear Generating Plant  
In Service Inspection Schedule  
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ISO Number	Item Identification	A S M E Section XI Item	Period 1			Period 2		Period 3		Notes: As applicable, attached.
			1982	1984	1986	1987	1989	1991	1993	
ISI-35	1	C 5. 11								
	TWH- 57 TWH- 58 SS-288 TWH- 56 TWH- 55 TWH-501 TWH-66A TWH-510 TWH-67A TWH-512 TWH- 69 TWH- 70 TWH-514	C 3. 50		I	I I I I I I I I I	I I (BL) I I (BL) I (BL) I (BL) I (BL)		I I I I I I (BL)	S	
ISI-35A	CSBJ-24 CSBJ-25 CSBJ-26 CSBJ-27 CSBJ-29 CSBJ-30 CSBJ-31 CSBJ-33 CSBJ-34 CSBJ-36 CSBJ-37 CSBJ-39 CSBJ-40 CSBJ-42 CSBJ-44 CSBJ-45 14 8 491	C 5. 11						I	S S S S S S	15 15 15 15 15 15
	CSBK-28 CSBK-29A CSBK-32 CSBK-35 CSBK-38	C 3. 50			I I I	I (BL) I (BL) I (BL)	I I I			
	CSBK-41	C 3. 40			I	I		I		
	CSBK-43	C 3. 50			I	I (BL)		I		
ISI-36	RWAJ- 1 RWAJ- 2 RWAJ- 3 RWAJ- 4 RWAJ- 5 RWAJ- 6 RWAJ- 7 RWAJ- 9 RWAJ-10 RWAJ-11 RWAJ-12 RWAJ-13 RWAJ-16 RWAJ-17 RWAJ-19 RWAJ-20 RWAJ-21 RWAJ-22	C 5. 11				I		I		

Monticello Nuclear Generating Plant  
In Service Inspection Schedule  
Second Interval

ISO Number	Item Identification	A S M E Section XI Item	Period 1			Period 2		Period 3		Notes: As applicable, attached.
			1982	1984	1986	1987	1989	1991	1993	
ISI-36	RWAJ-23 RWAJ-24 RWAJ-26 RWAJ-27 RWAJ-29 RWAJ-30 RWAJ-31 RWAJ-32 RWAJ-34 RWAJ-36 RWAJ-37	C 5. 11					I			
	RWAK- 8 RWAK-11 RWAK-14 RWAK-15 RWAK-18 RWAK-25	C 3. 50			I	I		I I I I I		
	RWAK-25A	C 3. 40			I	I				
	RWAK-28	C 3. 50			I	I	I			
	RWAK-33	C 3. 40					I			
	RWAK-35	C 3. 50				I				
ISI-37	W- 1 W- 2 W- 3 W- 4 W-12 W-12A FWDJ-36 FWDJ-37	C 5. 11		I I I I I I	I I I I I	I I I I I	I I I I I	I I I I I		
	FWDJ-38 FWDJ-39 FWAJ-38 FWAJ-40 FWAJ-41	C 5. 21	I							
ISI-38	15 233 234 235 236 237 16 17 18 19 20 21 227 11 10 9 13 228 229 230	C 5. 11					I			

Monticello Nuclear Generating Plant  
In Service Inspection Schedule  
Second Interval

ISO Number	Item Identification	A S M E Section XI Item	Period 1			Period 2		Period 3		Notes: As applicable, attached.	
			1982	1984	1986	1987	1989	1991	1993		
ISI-38	231 14 411 412 410 409 408 18 415 19 416 20 21 22 22A 23 417 418 419 24 420 24A 25 421 422 423 424 425 26	C 5. 11	I		I				I		
	TW-26 SS-38A SS-38B RSH-13 RSH-14 RSH-15 RSH-16 RSH-17	C 3. 50	I I I	I		I	I	I I		I I	
ISI-39	SWAJ- 1 SWAJ- 2 SWAJ- 3 SWAJ- 5 SWAJ- 7 SWAJ- 8 SWAJ-10 SWAJ-11 SWAJ-12 SWAJ-13 SWAJ-14 SWAJ-15 SWAJ-18 SWAJ-19 SWAJ-21 SWAJ-22 SWAJ-23 SWAJ-24 SWAJ-27 SWAJ-28 SWAJ-29 SWAJ-30 SWAJ-32 SWAJ-33	C 5. 11							I		



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In Service Inspection Schedule  
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ISO Number	Item Identification	A S M E Section XI Item	Period 1			Period 2		Period 3		Notes: As applicable, attached.	
			1982	1984	1986	1987	1989	1991	1993		
ISI-40	822	C 5. 31									
	6 6A 6B 7 8 357 9 33 403 32 402 401 30 400 29 29A 399 398 28 932	C 5. 11	I I				I				
	931	C 5. 21							S		
	38	C 5. 11									
	TWH- 1 TWH- 1A TWH- 2 TWH- 3	C 3. 40				I I					
	TWH- 5	C 3. 50						I			
	TWH- 6	C 3. 40			I	I					
	TWH- 6A TWH- 4 TWH- 18 TWH- 7 SS- 21 TWH- 7A	C 3. 50	I I	I I	I I	I (BL) I (BL) I (BL)		I I I I			
	TWH- 9	C 3. 40			I	I	I				
	TWH- 8	C 3. 50			I	I (BL)	I (BL)				
	ISI-41	9 9A 9B 9C 9D 9E 9F 9G 9H 11 10A 10 376 377 8 1 381	C 5. 11								

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In Service Inspection Schedule  
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ISO Number	Item Identification	A S M E Section XI Item	Period 1			Period 2		Period 3		Notes: As applicable, attached.	
			1982	1984	1986	1987	1989	1991	1993		
ISI-41	375	C 5. 11									
	374					I					
	373						I				
	12						I				
	13										
	372										
	371				I						
	370				I						
	369										
	14										
	15										
	16				I						
	13										
	368										
	367							I			
	366										
	365										
	364									I	
	12										
	11										
10A											
10											
9											
8											
221											
5											
4											
362						I					
3											
2											
361								I			
360											
359											
1(P202C)											
1A											
1B											
384											
385											
386											
2											
387											
3							I				
388											
389											
407											
7		C 5. 21									
41											
42											
4		C 5. 11									
392											
391											
390											
5											
TWH- 59		C 3. 50			I	I	I (BL)				
TWH- 59A							I (BL)				
TWH- 60								I (BL)	I		
TWH- 61			I		I		I (BL)				
TWH- 61A					I		I (BL)				
TWH- 62		C 3. 40			I		I		I		
TWH- 62A					I		I				

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In Service Inspection Schedule  
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ISO Number	Item Identification	A S M E Section XI Item	Period 1			Period 2		Period 3		Notes: As applicable, attached.
			1982	1984	1986	1987	1989	1991	1993	
ISI-41	TWH- 63	C 3. 50		I			I (BL)			
	TWH- 64						I			
	TWH- 64A				I		I (BL)			
	TWH- 65						I	I (BL)		
	TWH- 65A				I		I			
	TWH- 71								I	
	TWH- 72								I	
	SS-25									
	TWH- 73							I (BL)		
	TWH- 73A					I				I
	TWH- 73B					I		I (BL)		I
	TWH-173							I (BL)	I (BL)	
	MSV- 2								I	
ISI-42	19	C 5. 11								
	301									
	18								S	
	940	C 5. 31								
	17	C 5. 11								
	26									
	26A									
	26B									
309								I		
308										
27										
939	C 5. 31					I				
16	C 5. 11									
24										
24A										
24B										
306										
307									S	
25									S	
938	C 5. 31									
15	C 5. 11									
23										
305										
304										
25										
303										
302										
284										
25										
300										
14										
31										
404										
34A										
34										
35										
405										
36										
406										
37										
TWH- 11	C 3. 50									
SS-22										
TWH- 10A					I		I			







Monticello Nuclear Generating Plant  
In Service Inspection Schedule  
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ISO Number	Item Identification	A S M E Section XI Item	Period 1			Period 2		Period 3		Notes: As applicable, attached.	
			1982	1984	1986	1987	1989	1991	1993		
ISI-44	26	C 5. 11									
	27										
	707										
	708										
	27A										
	27B										
	27C										
	709										
	28			I							
	710									S	
	711										
	28AR										
	28B										
	28C										
	29										
	30R										
	30A										
	30B										
	31										
	24										
	23DR										
	23CR										
	23BR							I			
	23AR							I			
	23R							I			
22			I								
22A											
21											
21F											
21A											
20A											
20								S			
513								S			
19A											
19											
512											
18						I					
511											
17											
510								S			
24											
509											
16											
397A											
16A											
15A											
15											
395											
394											
393											
TWH- 74 SR-311 SR-310	C 3. 50		I				I (BL)				
TWH- 75 SS-31	C 3. 40 / C 3. 50		I		I	I (BL) I (BL)		I			
TWH- 76	C 3. 40				I	I (BL)		I			
TWH- 76A	C 3. 40 / C 3. 50				I	I (BL)	I				
TWH- 77 TWH- 78	C 3. 50				I	I (BL) I (BL)		I I			

16  
16



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In Service Inspection Schedule  
Second Interval

ISO Number	Item Identification	A S M E Section XI Item	Period 1			Period 2		Period 3		Notes: As applicable, attached.
			1982	1984	1986	1987	1989	1991	1993	
ISI-50	W 1-B W 2-B	C 1. 10				I				
	W 3-B W 4-B	C 1. 20				I				
	W 5-B W 6-B	C 1. 10								
	W 7-B	C 2. 20								
	W 8-B	C 1. 10								
	SUPP A-A	C 3. 20		I					I	
	SUPP B-A	C 3. 10 / C 3. 20		I						
	SUPP C-A SUPP A-B	C 3. 20				I			I	
	SUPP B-B SUPP C-B	C 3. 10 / C 3. 20				I I			I	
	N3-A N4-A N3-B N4-B	C 2. 30		I			I			S
	N5-B	C 2. 20								
	TWH-510	C 3. 50					I		I	
ND-ISI-100	SWH-180	F X.XXX								21
ND-ISI-101	SWH-308 SWH-309 SWH-310 SWH-311 SWH-375 SR-81 SWH-313 SWH-312 SWH-43 SR-563 SS-562	F X.XXX								21 21 21 21 21 21 21 21 21 21 21
ND-ISI-102	SR-80 SWH-307 SWH-306 SR-79 SWH-305 SR-213 SWH-32 SWH-304 SWH-31	F X.XXX								21 21 21 21 21 21 21 21
ND-ISI-103	SR-396 SR-394 SR-395 SR-84 SR-459 SR-464 SWH-161	F X.XXX								21 21 21 21 21 21
ND-ISI-104	SR-460	F X.XXX								21

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In Service Inspection Schedule  
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ISO Number	Item Identification	A S M E Section XI Item	Period 1			Period 2		Period 3		Notes: As applicable, attached.
			1982	1984	1986	1987	1989	1991	1993	
ND-ISI-104	SR-462 SR-461 SWH-45 SR-463 SR-473	F X.XXX								21 21 21 21 21
ND-ISI-105	SW-22 SW-21 SWH-483 SR-90A SR-482 SR-481	F X.XXX								21 21 21 21 21
ND-ISI-106	SR-18 SR-398 SW-16 SW-15 SR-95 SR-97 SW-4A SR-457 SR-450	F X.XXX								21 21 21 21 21 21 21 21
ND-ISI-107	SR-451 SR-452 SR-453 SR-454 SR-455 SWH-8 IS-SWH-76 SR-397 IS-SWH-75 SR-456 SR-105 SR-469 SR-399 SWH-72A SWH-72B	F X.XXX								21 21 21 21 21 21 21 21 21 21 21 21 21 21 21
ND-ISI-108	SWH-9A SWH-9 SR-401 SR-100 SWH-11 SR-400 SR-103 SR-104 IS-SWH-70 IS-SWH-69 SR-384 SR-386 SR-385 SR-383 SR-382 SR-106 IS-SWH-66 IS-SWH-65	F X.XXX								21 21 21 21 21 21 21 21 21 21 21 21 21 21 21 21 21 21
ND-ISI-109	SR-402 SR-458 SW-48 SR-96 SR-94 SWH-490	F X.XXX								21 21 21 21 21

Monticello Nuclear Generating Plant  
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ISO Number	Item Identification	A S M E Section XI Item	Period 1			Period 2		Period 3		Notes: As applicable, attached.
			1982	1984	1986	1987	1989	1991	1993	
ND-ISI-109	SW-24 SWH-498 SR-337 SW-26 SR-491 SR-492	F X.XXX								21 21 21 21 21 21
ND-ISI-110	SR-91 SWH-493 SW-29 SR-494	F X.XXX								21 21 21 21
ND-ISI-111	SR-88	F X.XXX								21
ND-ISI-123	H-201 H-202 H-203 H-204 H-205	F X.XXX								21 21 21 21 21
ND-ISI-141	SH-195 SR-236 SR-265 SR-285 SR-220 SH-221 SR-224	F X.XXX								21 21 21 21 21 21 21
ND-ISI-142	SR-226 SR-228 SR-229 SR-230	F X.XXX								21 21 21 21
ND-ISI-144	SR-260 SH-227 SR-225 SR-190 SR-181 SR-210 SR-211	F X.XXX								21 21 21 21 21 21 21
ND-ISI-145	SR-325 SH-300 SR-290 SH-280	F X.XXX								21 21 21 21
ND-ISI-152	FPWH-88 FPWH-89 FPWH-90 FPWH-(T-1) T-2 T-3 T-4	F X.XXX								21 21 21 21 21 21 21
ND-ISI-153	SR-672 FPWH-82 FPWH-83 FPWH-84 FPWH-85 FPWH-86 FPWH-87	F X.XXX								21 21 21 21 21 21 21
ND-ISI-154	SR-673 SR-671	F X.XXX								21 21

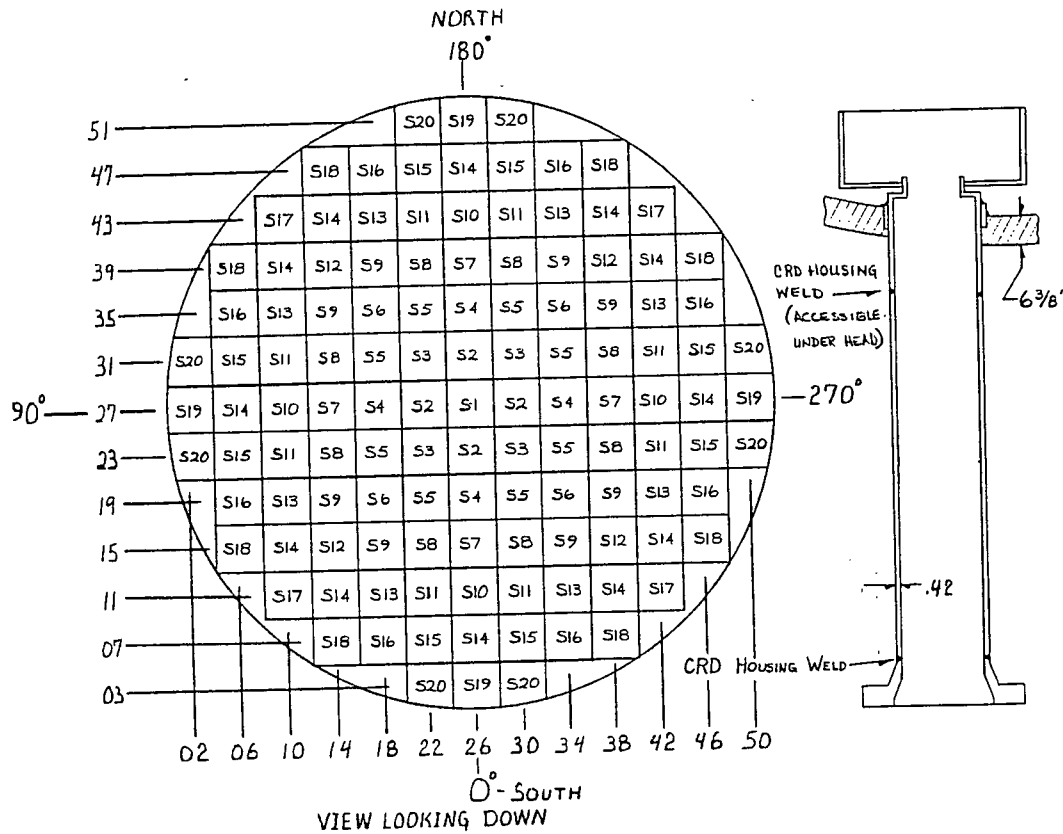
Monticello Nuclear Generating Plant  
In Service Inspection Schedule  
Second Interval

ISO Number	Item Identification	A S M E Section XI Item	Period 1			Period 2		Period 3		Notes: As applicable, attached.	
			1982	1984	1986	1987	1989	1991	1993		
ND-ISI-154	T- 6 T- 7 T- 8	F X.XXX								21 21 21	
0255	20-IIC-2	B15. 10	I	I	I	I	I	I		X	
	20-IIA-2	B15. 11							S	X	
	03-IIB 03-IIX	C 7. 20		I	I	I	I	I	S	Y XX	
	04-IIA	C 7. 21							S	Z	
	04-IIB-1 04-IIB-2 04-IIB-X 06-IIB 06-IIX 08-IIB 08-IIX	C 7. 20			I	I	I	I	I	S	Y Y XX Y XX Y XX
	16-IIA-1 16-IIA-2	C 7. 11							S S	Z Z	
	05-IIA-1 05-IIA-2 05-IIA-3 05-IIA-4	D 3. 10(b)							S S S S	YY YY YY YY	
	05-IIB-1 05-IIB-2	D 3. 10(a)		I I	I I	I I	I I	I I			ZZ ZZ
	11-IIA-1 11-IIA-2 11-IIA-3 11-IIA-4	D 3. 10(b)							S S S S	YY YY YY YY	
	11-IIB-1 11-IIB-2 11-IIB-3 11-IIB-4	D 3. 10(a)		I I			I I I I		I I I I		ZZ ZZ ZZ ZZ
	15-IIA	D 3. 10(b)								S	YY
	15-IIX 15-IIX	D 2. 10									XX XX

Monticello Nuclear Generating Plant

Figures for Use With the  
Second Ten Year Interval  
Inservice Inspection Weld Schedule

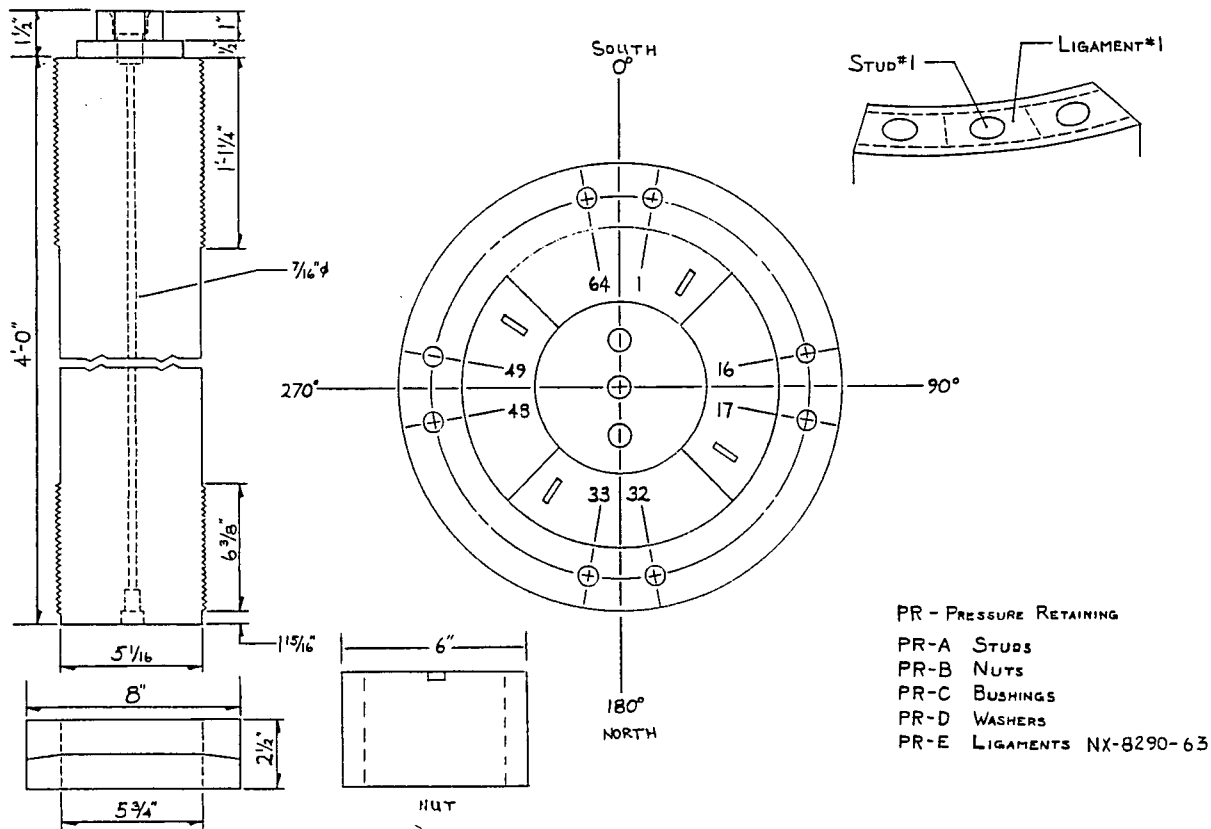




Reference Dwg. NX-7831-471

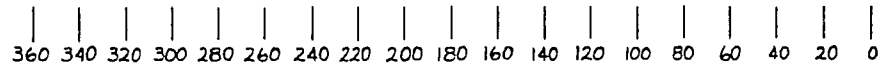
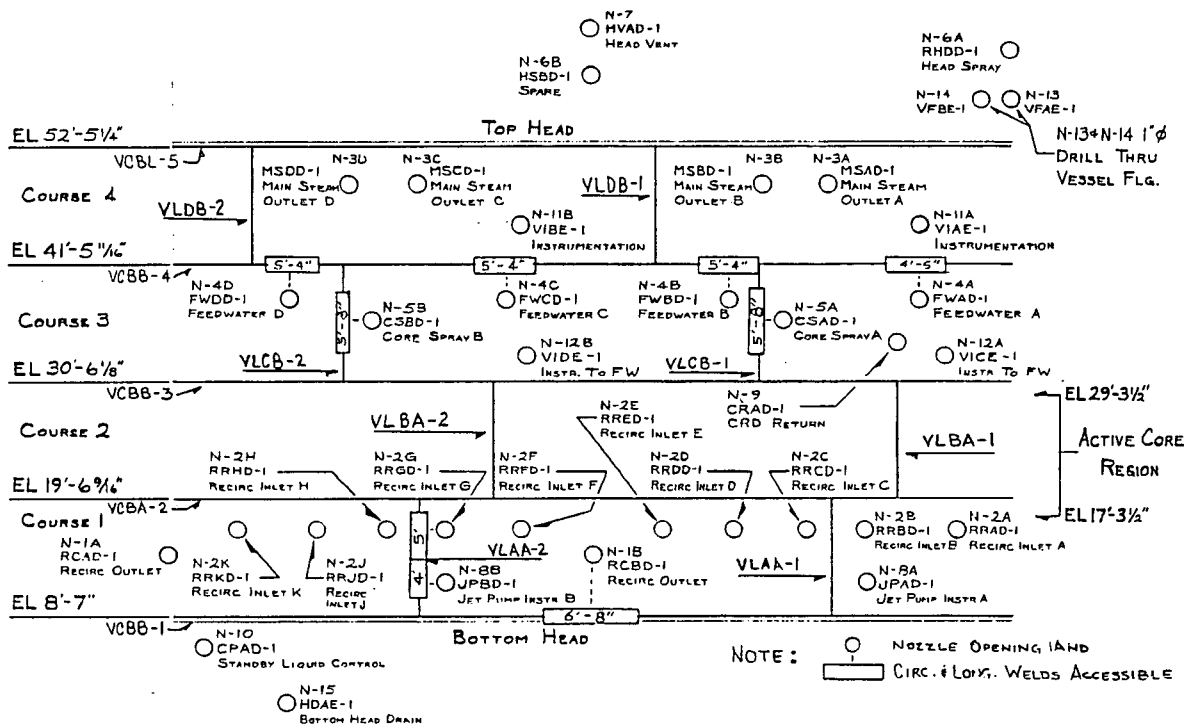
DWN. BY BM	CHKD. JB	APPD. JB
NSP		ISI
MONTICELLO CRD LOCATION & H'SNG WELD		
MAT'L.		
DWG. NO	Figure 1	REV 2





REACTOR VESSEL STUD, WASHER AND LIGAMENT LOCATION

DWN. BY	BM	CHKD. BY	JB	APPD. BY	JB
NSP				ISI	
MONTICELLO REACTOR VESSEL					
MAT'L.					
Dwg. No <u>Figure 3</u>					
					REV 2



AZIMUTH

CIRCUMFERENTIAL AND LONGITUDINAL VESSEL WELDS  
 REACTOR VESSEL NOZZLE LOCATIONS & IDENTIFICATION

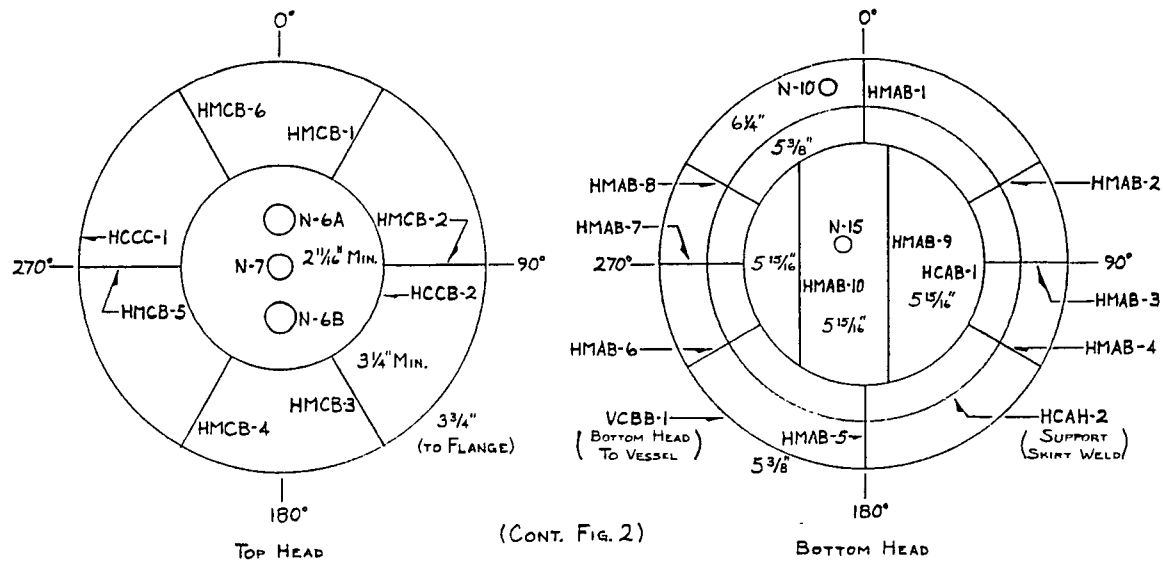
DWN. BY BM CHKD. JB APPD. JB

NSP  
 MONTICELLO  
 RV NOZ LOCATION & ID  
 ISI

MAT'L  
 DWG. NO Figure 4

REV 2

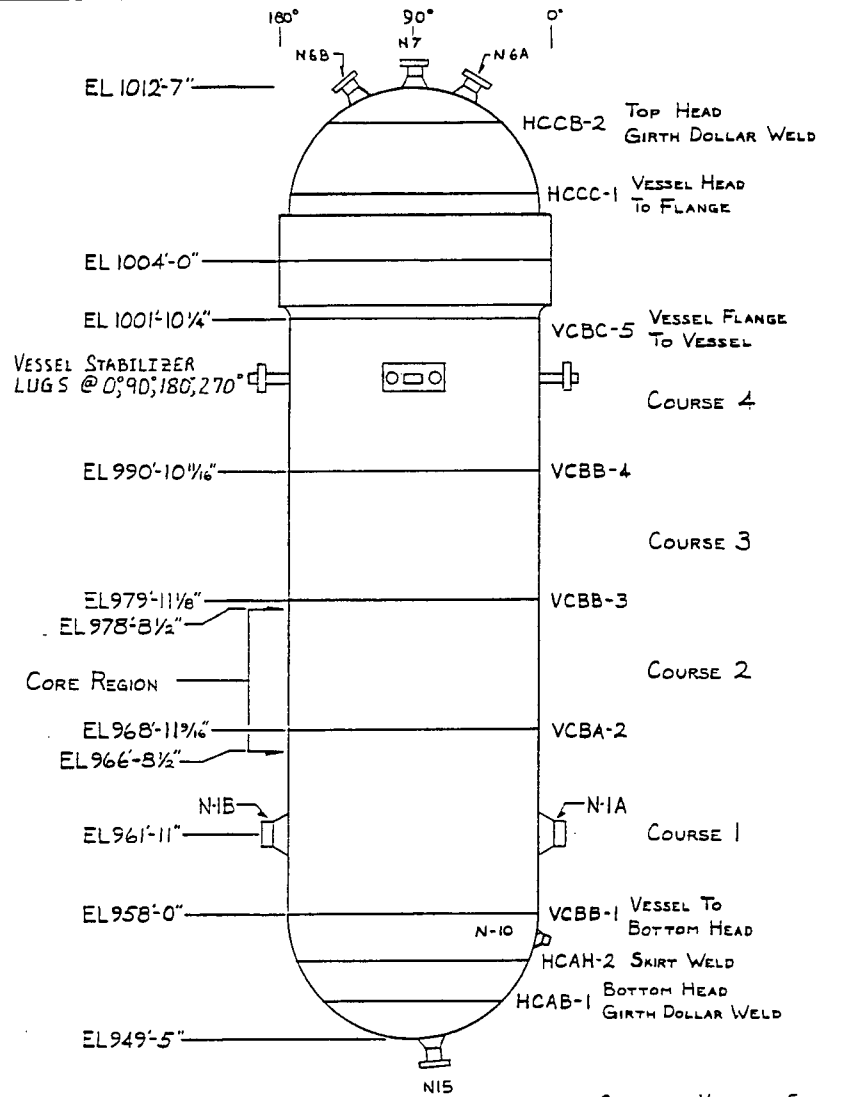
- NOTES:  
 1. HCAB-1 PARTIAL ACCESS  
 2. 1 $\frac{3}{4}$ " EXTENSION TO 4 $\frac{1}{2}$ " ATTACHMENT TO VESSEL HCAH-2



MATERIAL:  
 FLANGE — A-508  
 PLATE — A-533

REACTOR VESSEL HEAD WELDS

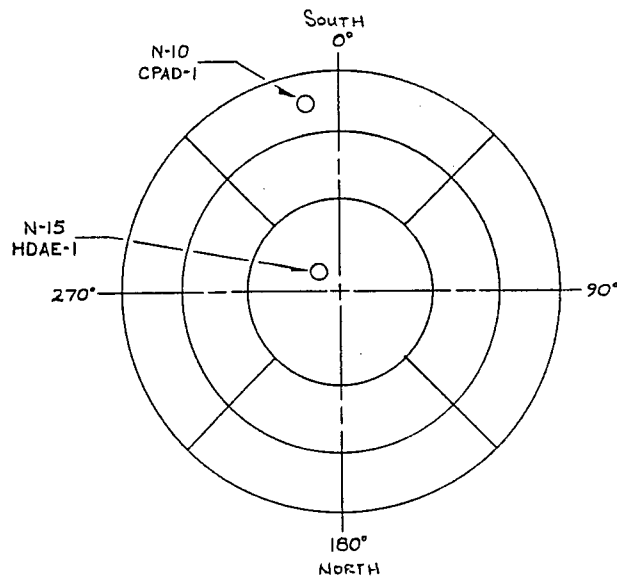
DWN. BY	CHKD. BY	APPD. BY
NSP		ISI
MONTICELLO RV HEAD WELDS		
MAT'L Dwg. N <sup>o</sup> Figure 5		
		REV 2



GIRTH AND VERTICAL SEAM WELDS 5 5/16" THK., TP. A533

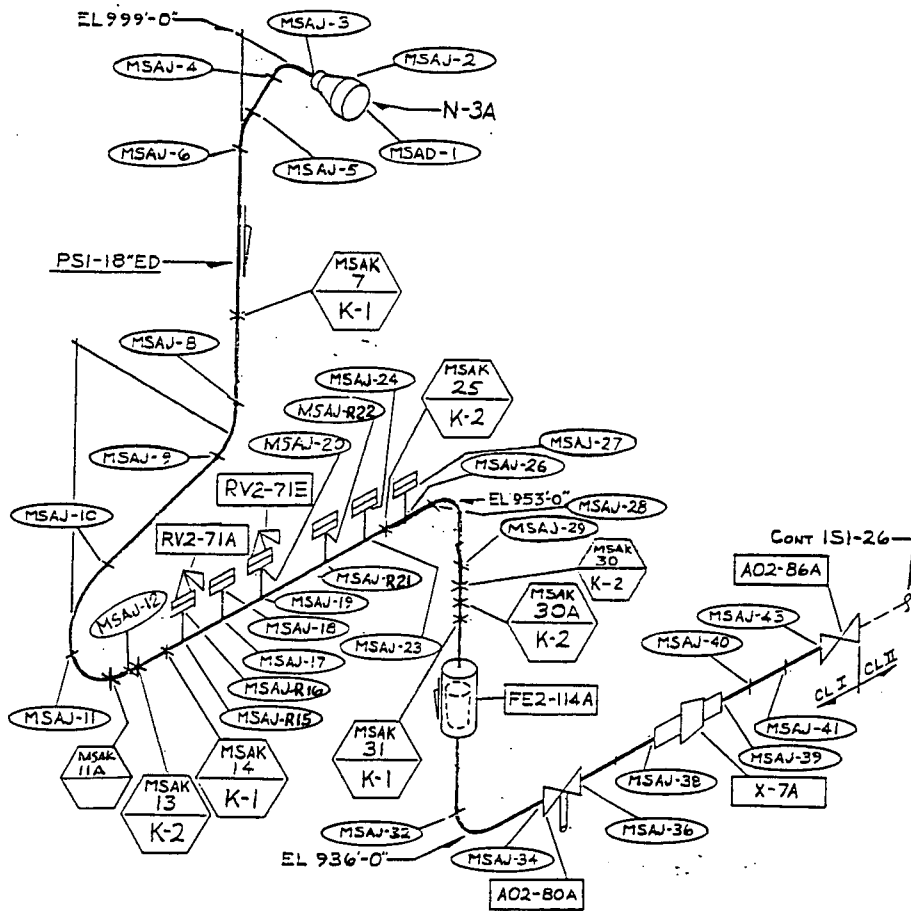
REACTOR VESSEL  
CIRCUMFERENTIAL SEAM WELDS

DWN. BY BM	CHKD. JB	APPD. JB
NSP		ISI
MONTICELLO RV SEAM WELDS		
MAT'L DWG. NO Figure 6		REV 3



REACTOR VESSEL  
 BOTTOM HEAD NOZZLE LOCATION

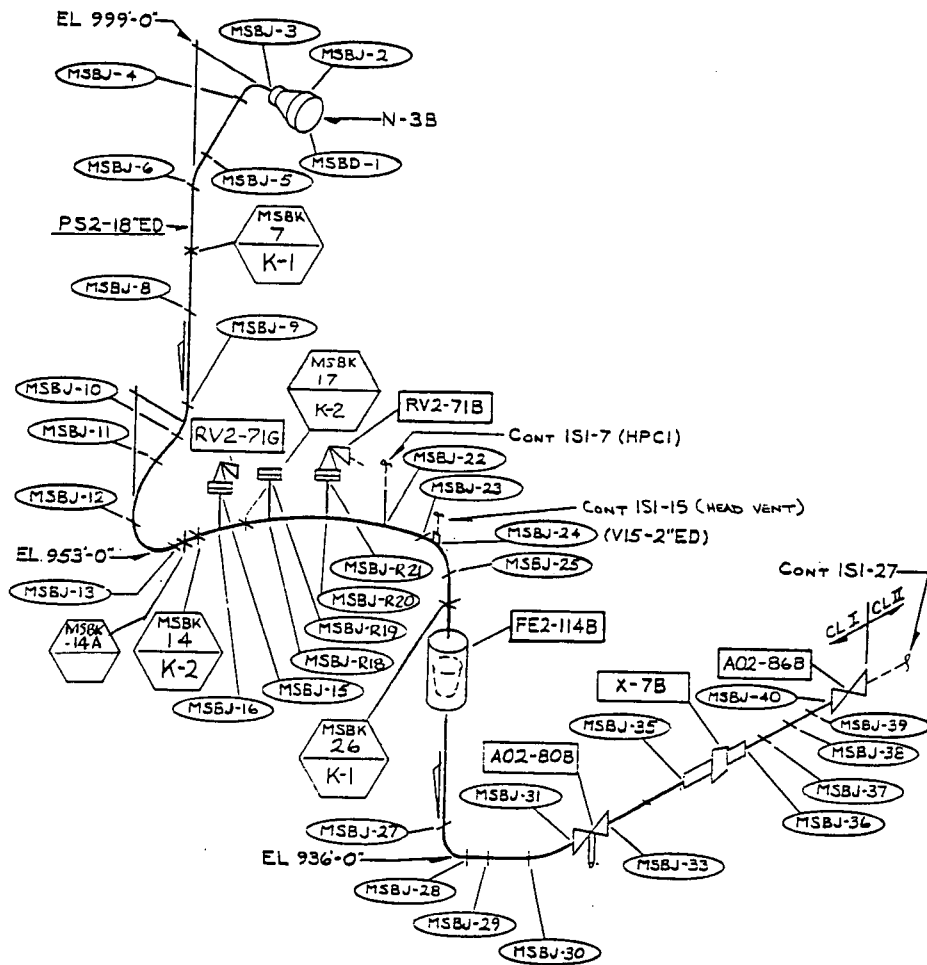
DWN. BY	CHKD. JB	APPD. JB
NSP		ISI
MONTICELLO RV NOZ LOCATION		
MAT'L.		
Dwg. No <u>Figure 7</u>		REV 2



DWN. BY	BM	CHKD.	JB	APPD.	JB
NSP				ISI	
MONTICELLO					
MAIN STEAM A					
LINE N° <u>PSI-18-ED</u>					
MAT'L. A-106-Gr. B/A-234-WPB					
DWG. N° <u>ISI-1</u>					
					REV 3

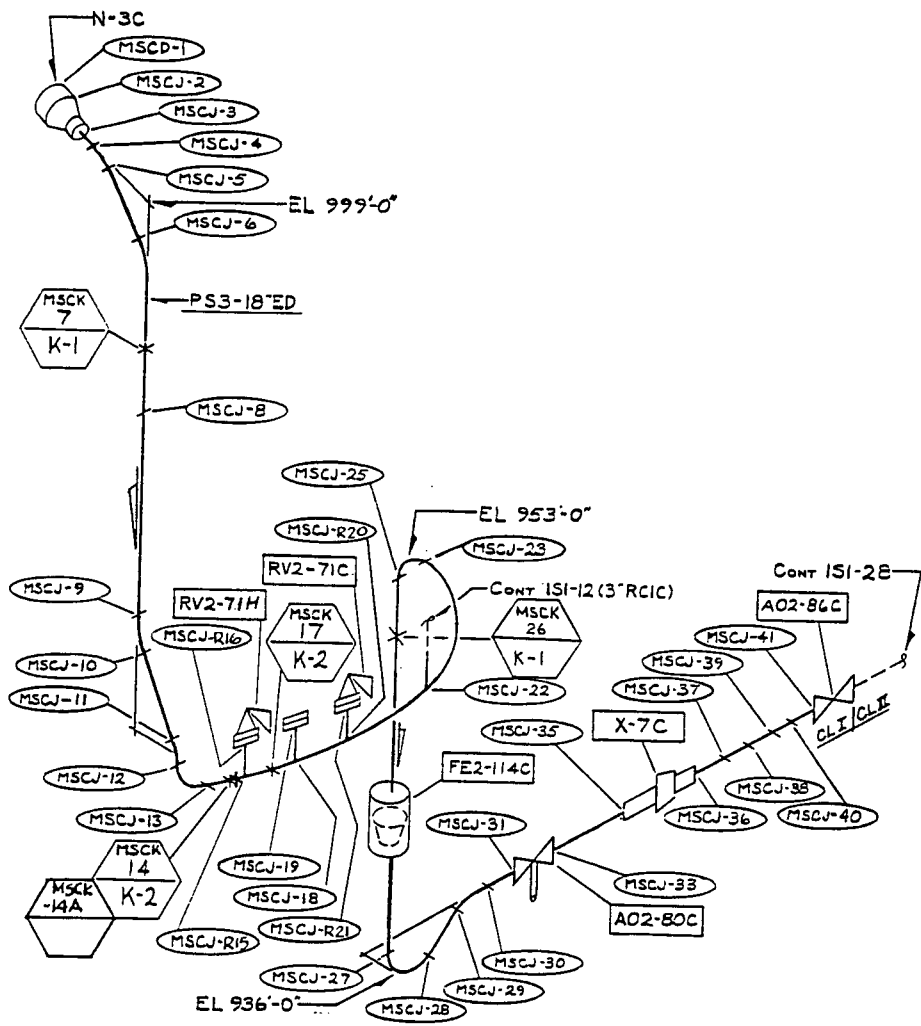
Reference Dwg. NX-13142-33





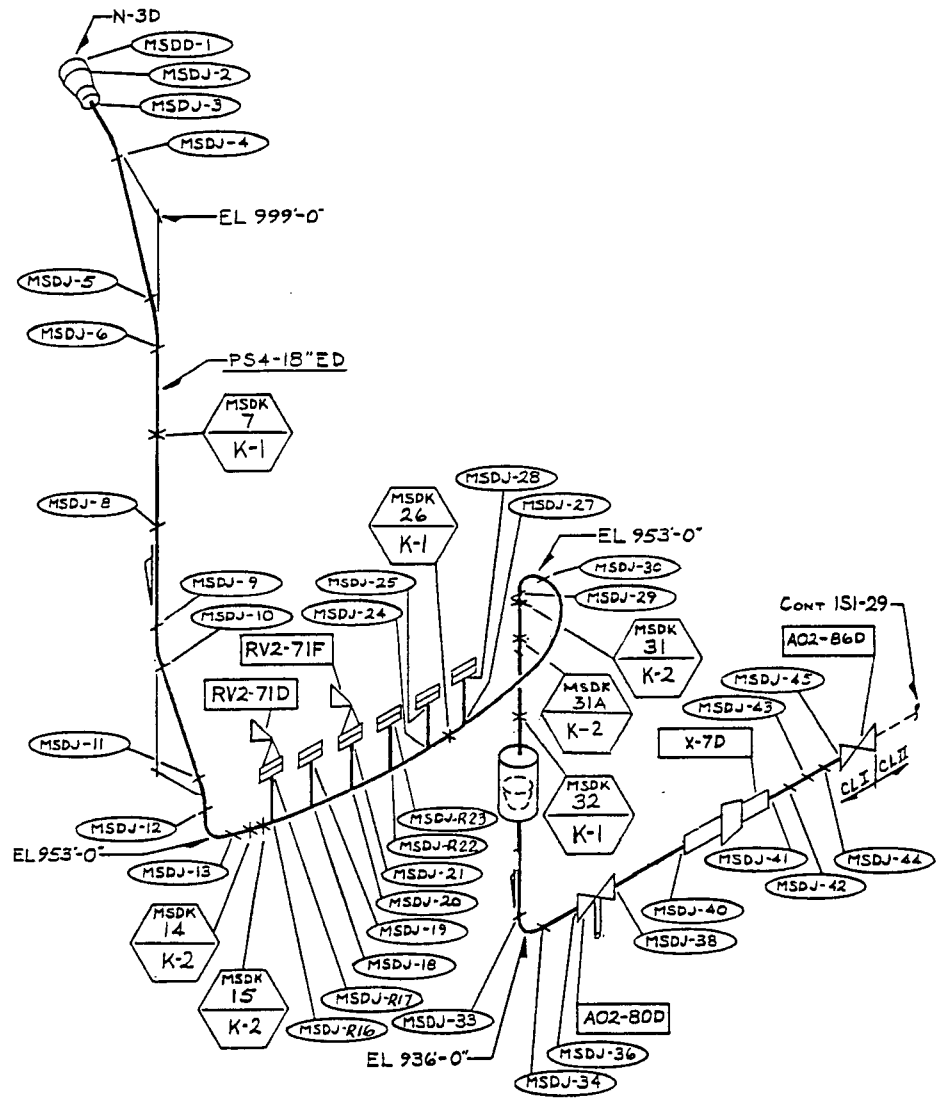
Reference Dwg. NX-13142-34

DWN. BY	BM	CHKD. BY	JB	APPD. BY	JB
NSP				ISI	
MONTICELLO					
MAIN STEAM B					
LINE N° PS2-18-ED					
MAT'L A-106-GR. B/A-234-WPB					
DWG. N° ISI-2					
					REV 3



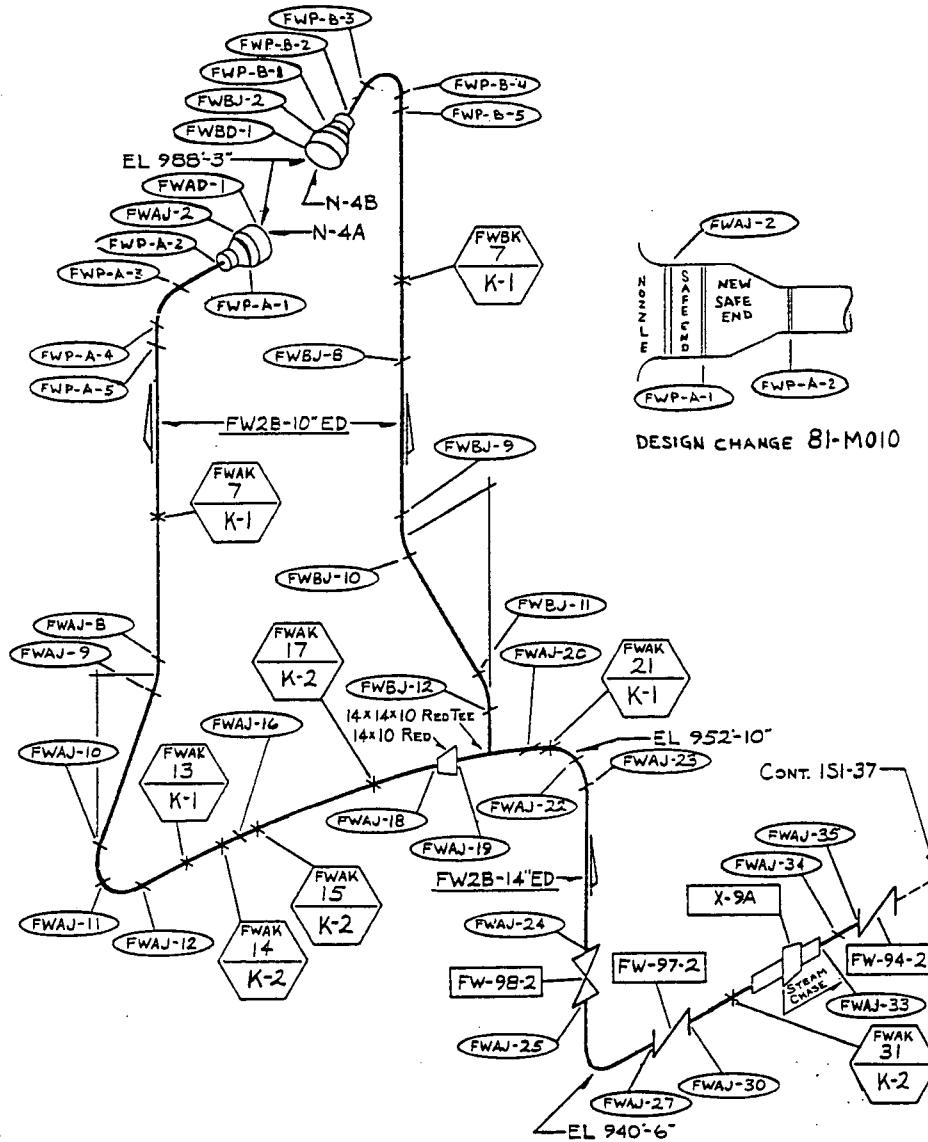
Reference Dwg. NX-13142-35

DWN. BY	BM	CHKD. JB	APPD. JB
NSP			ISI
MONTICELLO			
MAIN STEAM C			
LINE N <sup>o</sup> PS3-18-ED			
MAT'L. A-106-GR. B/A-234-WPB			
Dwg. N <sup>o</sup> ISI-3			
			REV 2



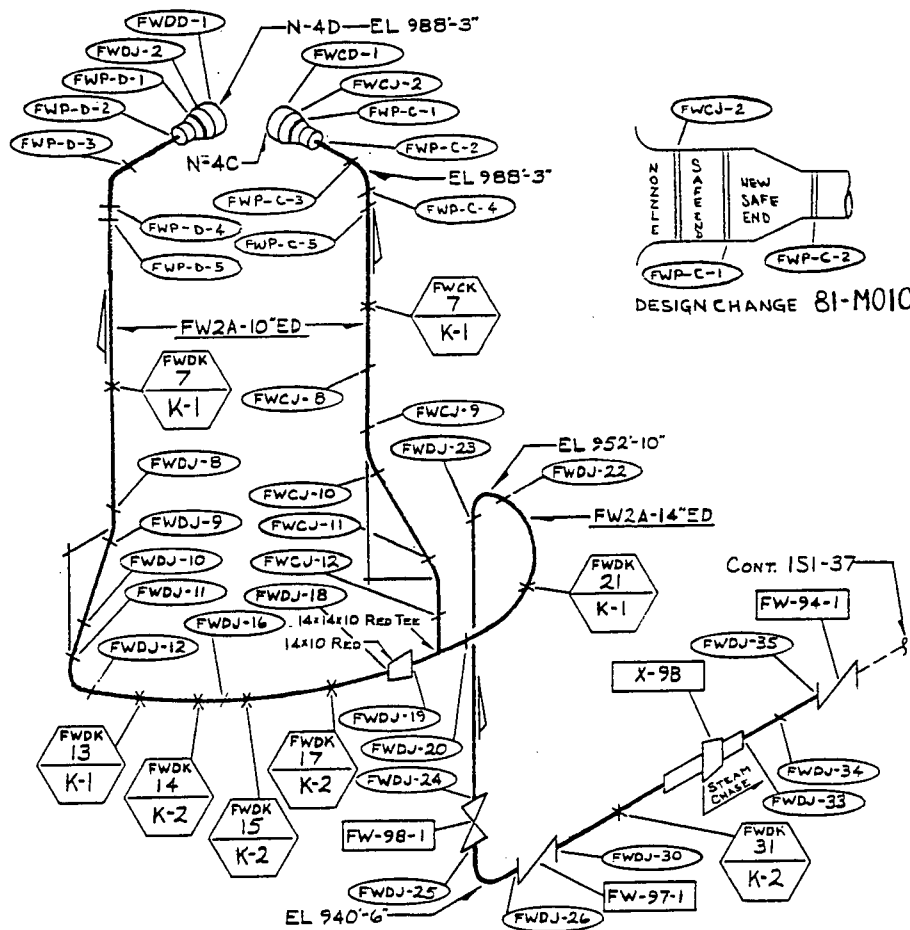
Reference Dwg. NX-13142-36

DWN. BY BM	CHKD. JB	APPD. JB
NSP		ISI
MONTICELLO		
MAIN STEAM D		
LINE N° PS4-18-ED		
MAT'L A-106-GR. B/A-234-WPB		
DWG. N° ISI-4		REV 2



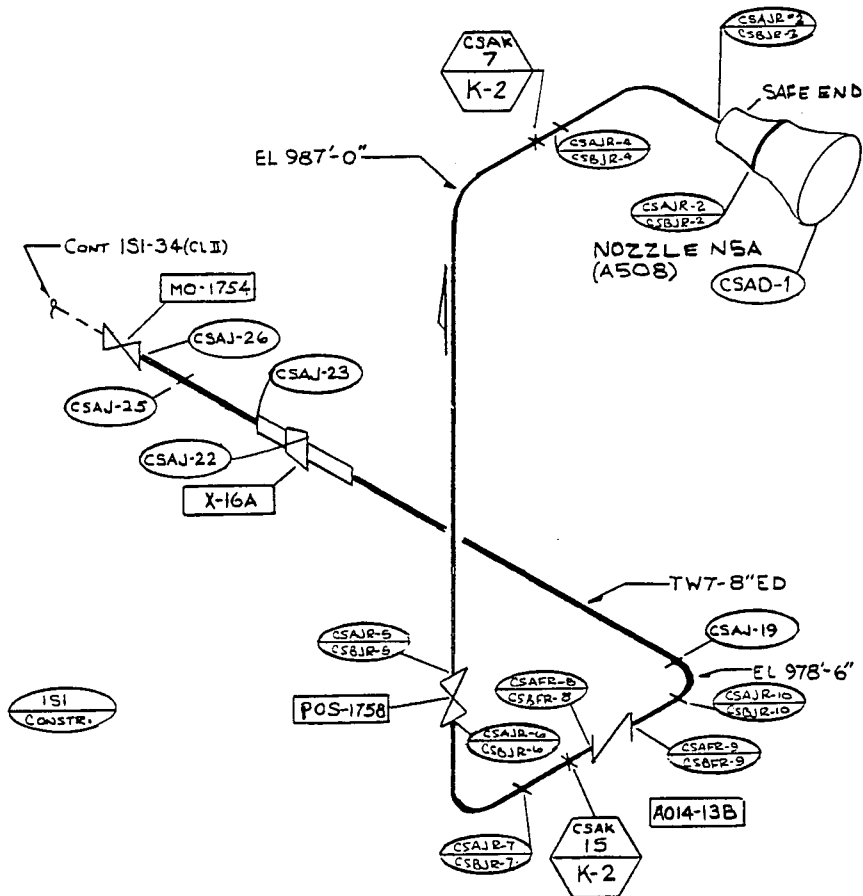
Reference Dwg. NX-13142-53

DWN. BY BM	CHKD. JB	APPD. JB
NSP		ISI
MONTICELLO		
FEEDWATER A&B		
LINE N <sup>o</sup> NOTED		
MAT'L. A-106 Gr. B/A-234-WPB		
Dwg. N <sup>o</sup> ISI-5A		REV 4



DWN. BY	BM	CHKD.	JB	APPD.	JB
NSP				ISI	
MONTICELLO					
FEEDWATER C&D					
LINE N <sup>o</sup> NOTED					
MAT'L. A-106 GR. B/A-234-WPB					
DWG. N <sup>o</sup> ISI-5B					
					REV 4

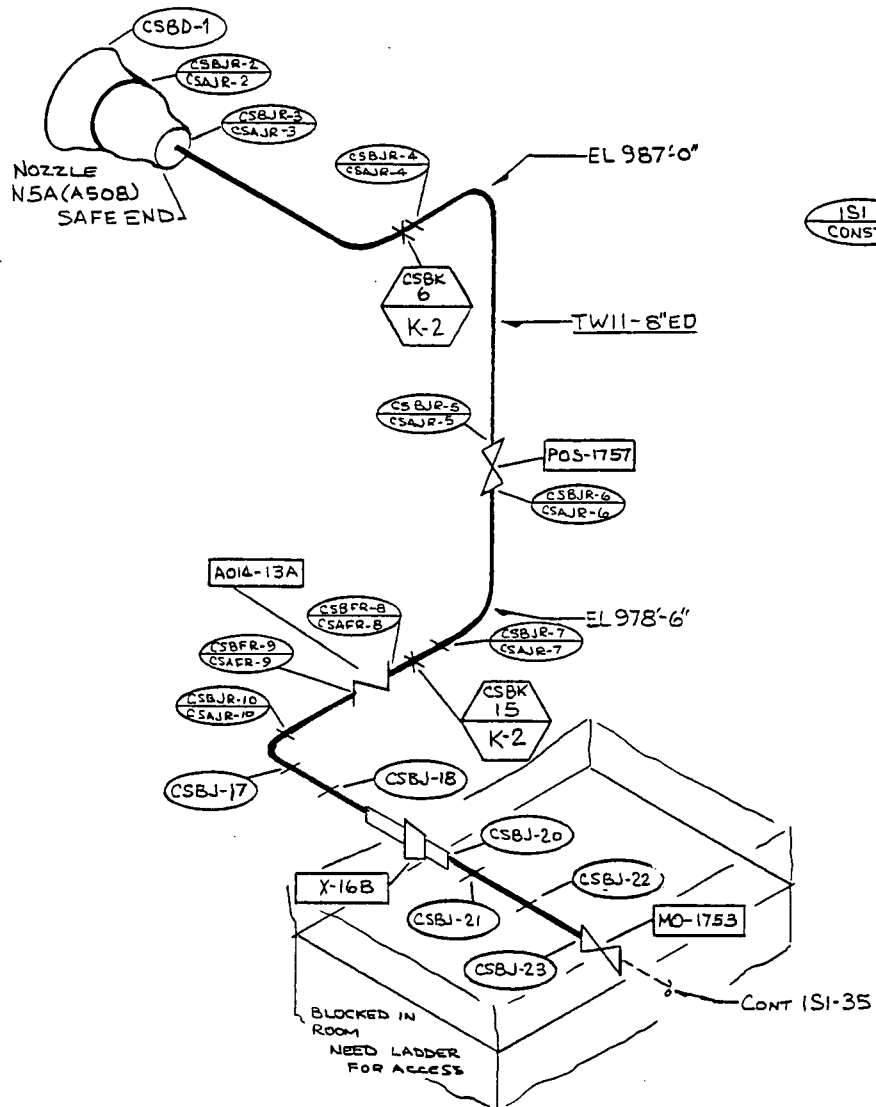
Reference Dwg. NX-13142-52



ISI  
CONSTR.

Reference Dwg. NX-13142-26  
NH-100356

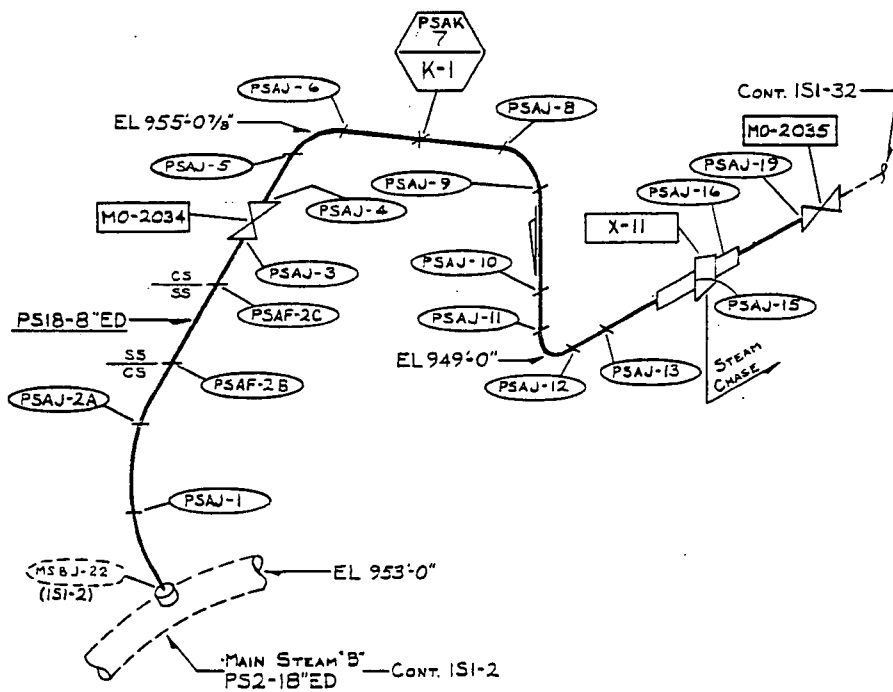
DWN. BY	BM	CHKD. BY	JB	APPD. BY	JB
NSP				ISI	
MONTICELLO					
CORE SPRAY A					
LINE N°	TW7-8-ED				
MAT'L	A-106-GR. B/A-234-WPB				
DWG. N°	ISI-6A				
				REV	4



ISI  
CONSTR.

Reference Dwg. NX-13142-31

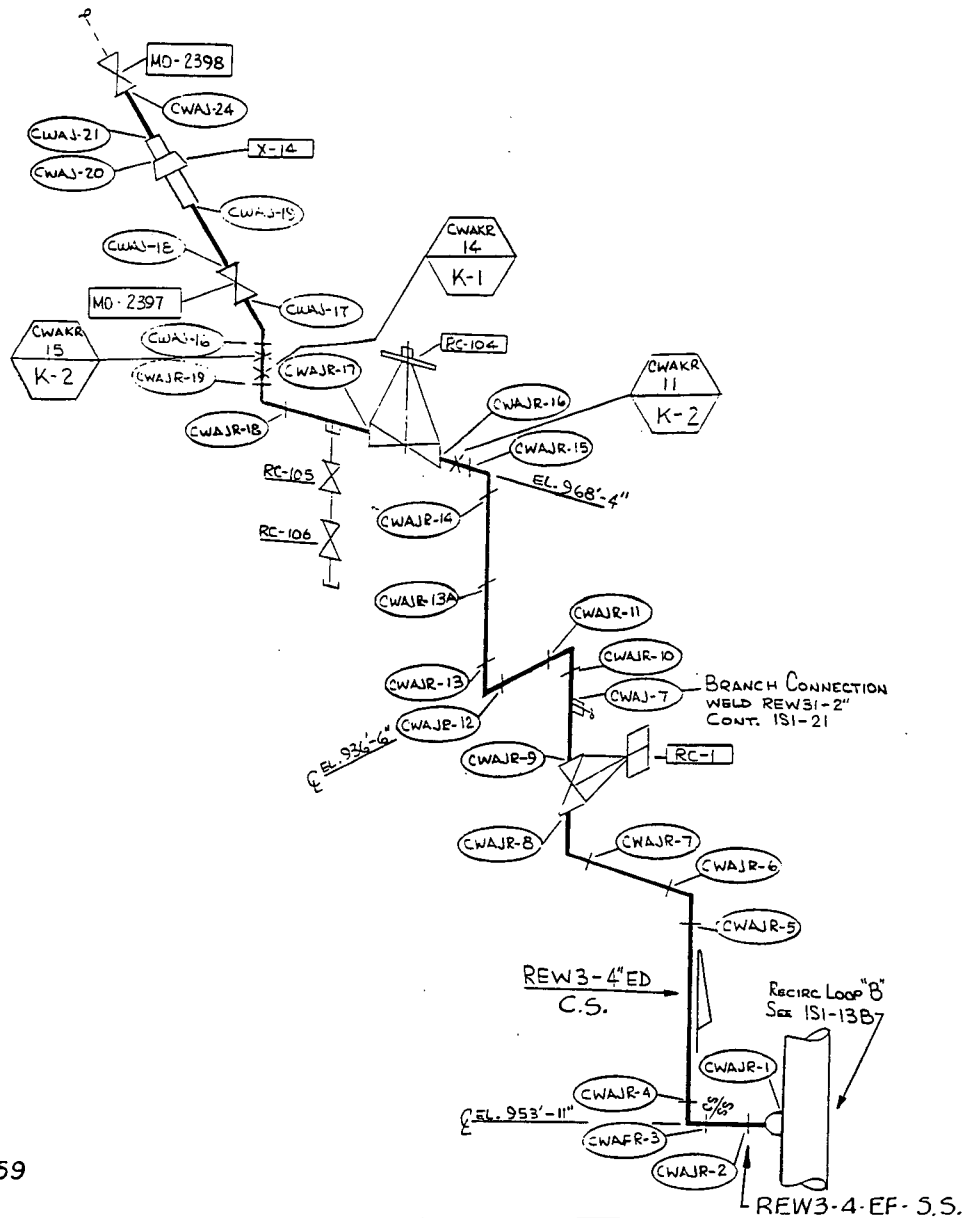
DWN. BY BM	CHKD. JB	APPD. JB
NSP		ISI
MONTICELLO		
CORE SPRAY B		
LINE N <sup>o</sup> TW11-8-ED		
MAT'L. A-106-GR. B/A-234-WPB		
Dwg. N <sup>o</sup> ISI-6B		
		REV 4



Reference Dwg. NX-13142-42

DWN. BY	CHKD. JB	APPD. JB
NSP		ISI
MONTICELLO		
HPCI-STEAM		
LINE N <sup>o</sup> <u>PS18-8-ED</u>		
MAT'L. A-106-GR. B/A-234-WPB		
DWG. N <sup>o</sup> <u>ISI-7</u>		
		REV. 2

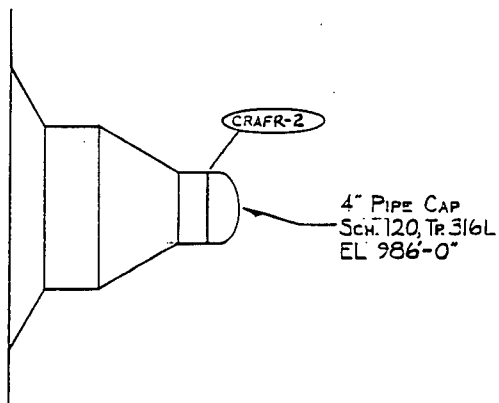




Reference Dwg. NX-13142-59

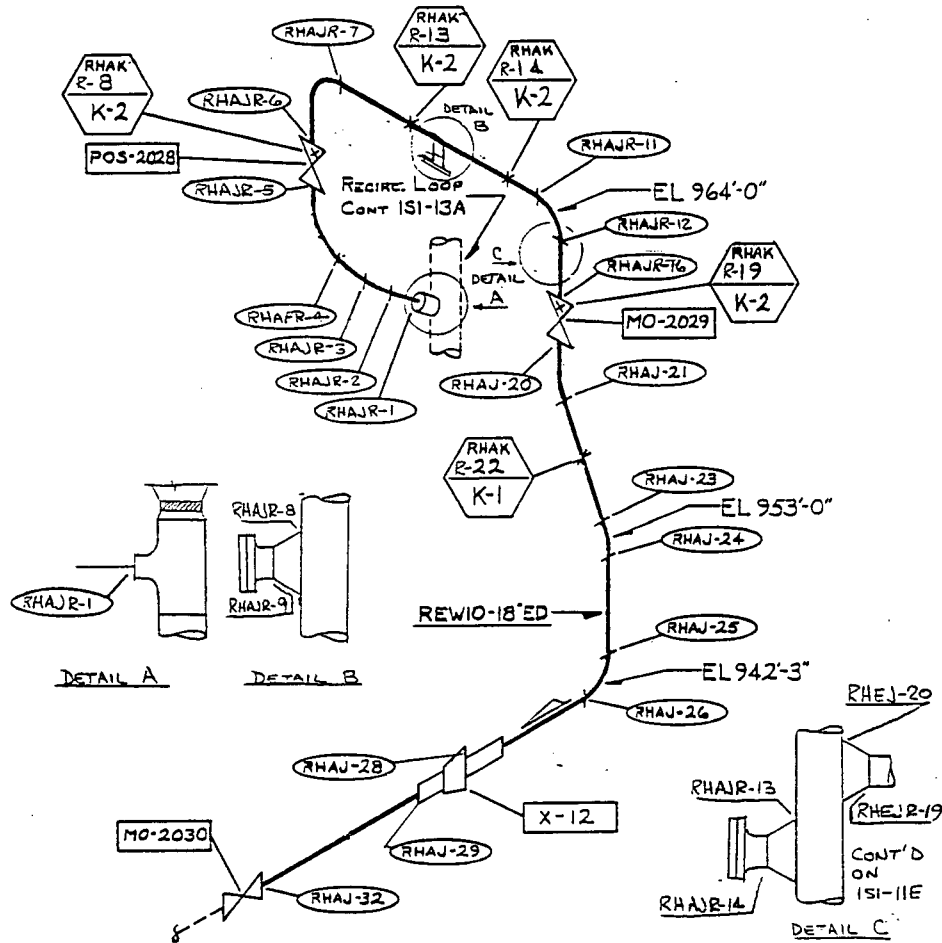
DWN. BY BM	CHKD. JB	APPD. JB
NSP		ISI
MONTICELLO		
REACTOR WATER CLEANUP		
LINE N° NOTED		
MAT'L. A-106-GR. B/A-234-WPB		
Dwg. N° ISI-9		
		REV 3

N-9



NOTE:  
LINE NO. CRD7-3'EF WAS DELETED  
AND CAPPED AT NOZZLE #9

DWN. BY	BM	CHKD. JB	APPD. JB
NSP			ISI
MONTICELLO REACTOR VESSEL NOZ. N° 9			
Dwg. N° ISI-10			REV. 2

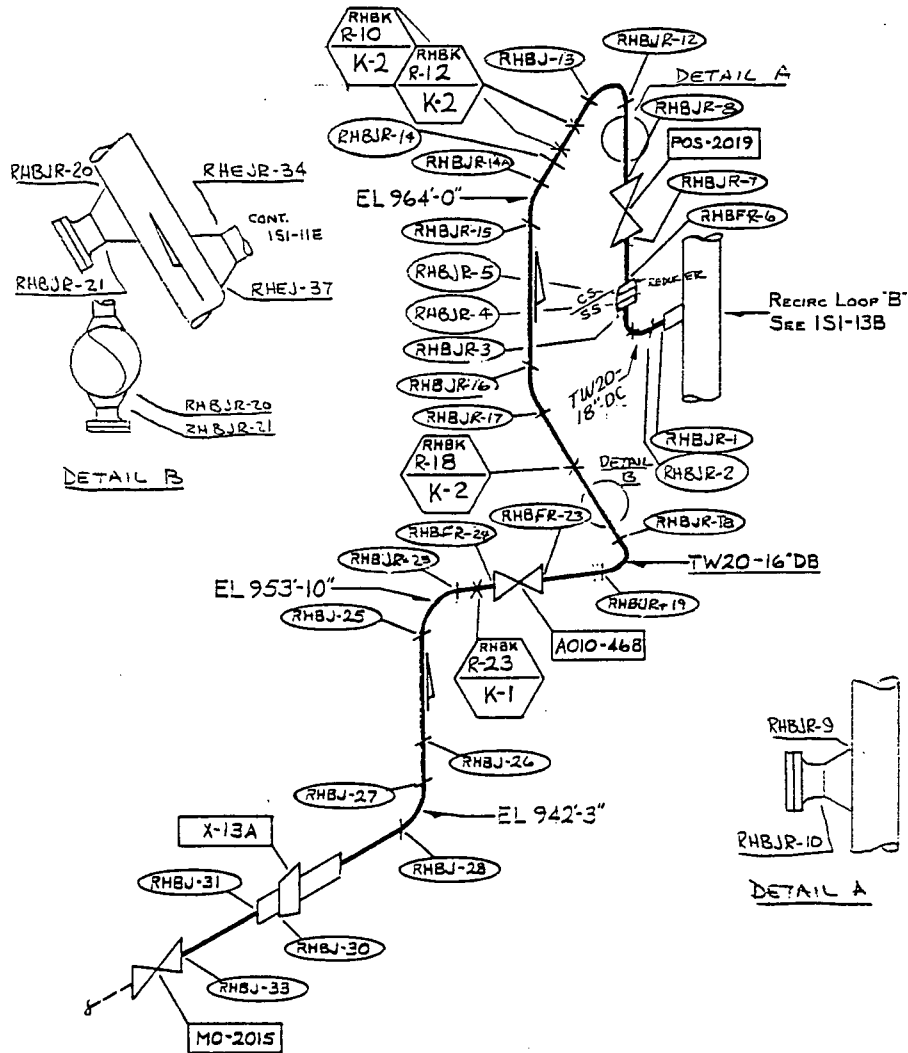


Reference Dwg. NX-13142-49

RESIDUAL HEAT REMOVAL 'A'

DWN. BY BM    CHKD. JB    APPD. JB

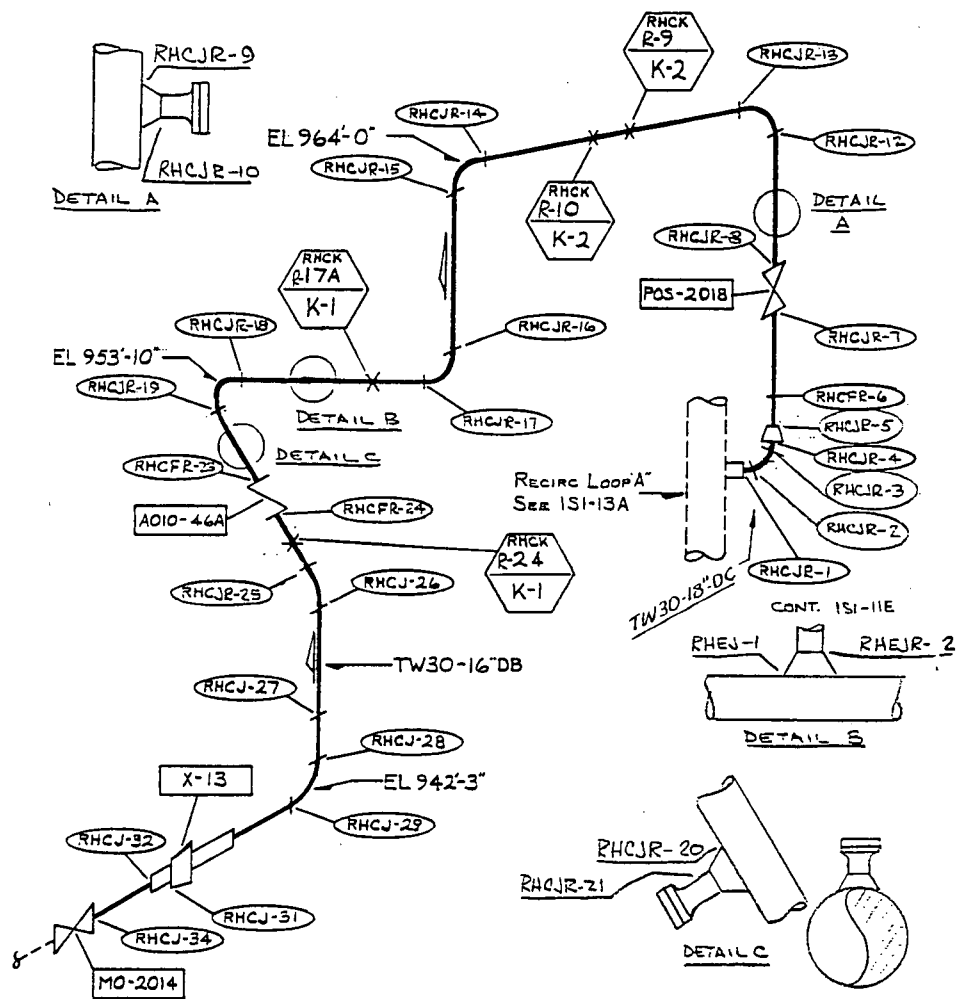
NSP	ISI
MONTICELLO	
RHR A	
LINE NO <u>REWIO-18-ED</u>	
MAT'L <u>A-106-Gr. B/A-234-WPB</u>	
DWG. NO <u>ISI-11A</u>	REV 3



Reference Dwg. NX-13142-18

RESIDUAL HEAT REMOVAL 'B'

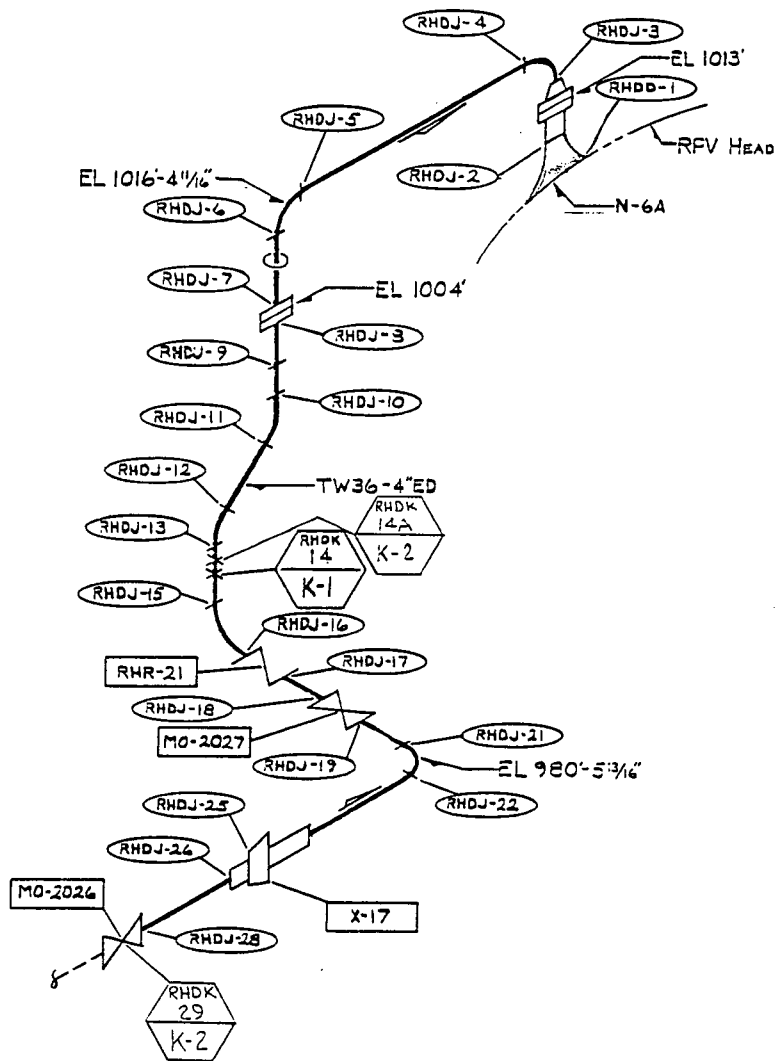
DWN. BY	CHKD.	APPD.
BM	JB	JB
NSP		ISI
MONTICELLO		
RHR B		
LINE N <sup>o</sup>	NOTED	
MAT'L	A-106-Gr. B/A-234-WPB	
DWG. N <sup>o</sup>	ISI-11B	REV 3



RESIDUAL HEAT REMOVAL "C"

Reference Dwg. NX-13142-37

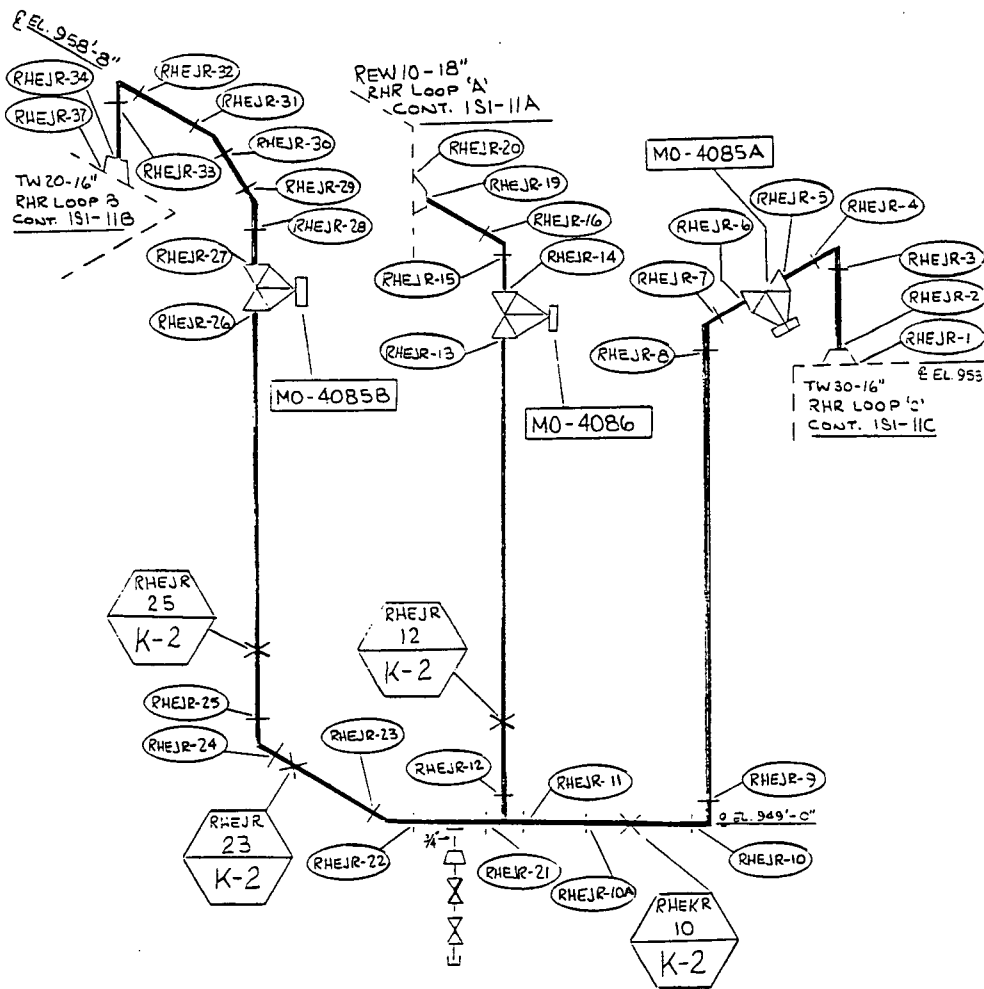
DWN. BY	CHKD. BY	APPD. BY
NSP		ISI
MONTICELLO		
RHR C		
LINE NO	NOTED	
MAT'L	A-106 GR. B/A-234-WPB	
DWG. NO	ISI-11C	
		REV 3



Reference Dwg. NX-13142-20

RESIDUAL HEAT REMOVAL 'D'

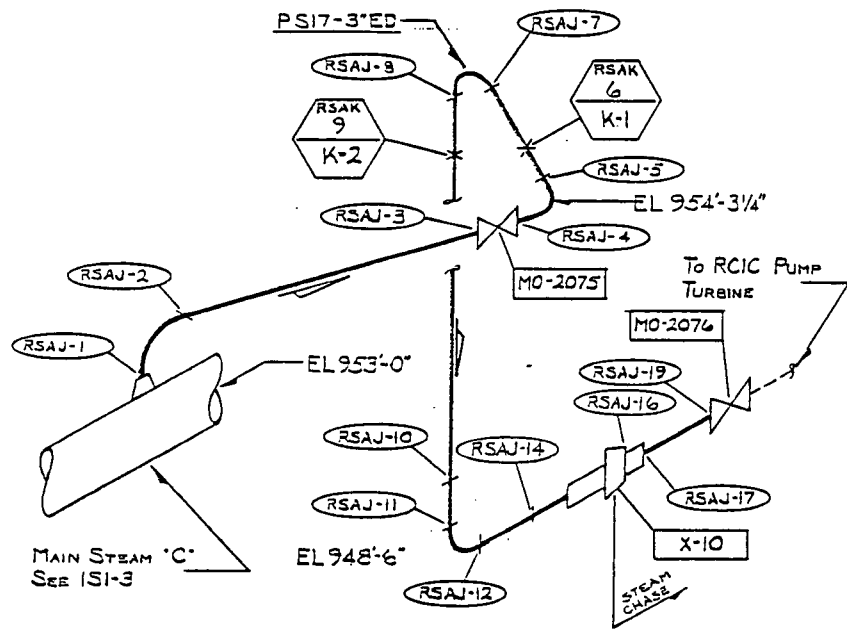
DWN. BY	CHKD. JB	APPD. JB
NSP		ISI
MONTICELLO		
RHR D		
LINE N° TW36-4-ED		
MAT'L A-106-Gr. B/A-234-WPB		
Dwg. N° ISI-110		REV 3



RHR EQUALIZER LINE

Reference Dwg. ND-97027

DWN. BY BM	CHKD. JB	APPD. JB
NSP		ISI
MONTICELLO		
RHR		
LINE N° TW40-4-DBA		
MAT'L. A-106-GR. B/A-234-WPB		
DWG. N° ISI-11E		REV 2



MAIN STEAM 'C'  
SEE ISI-3

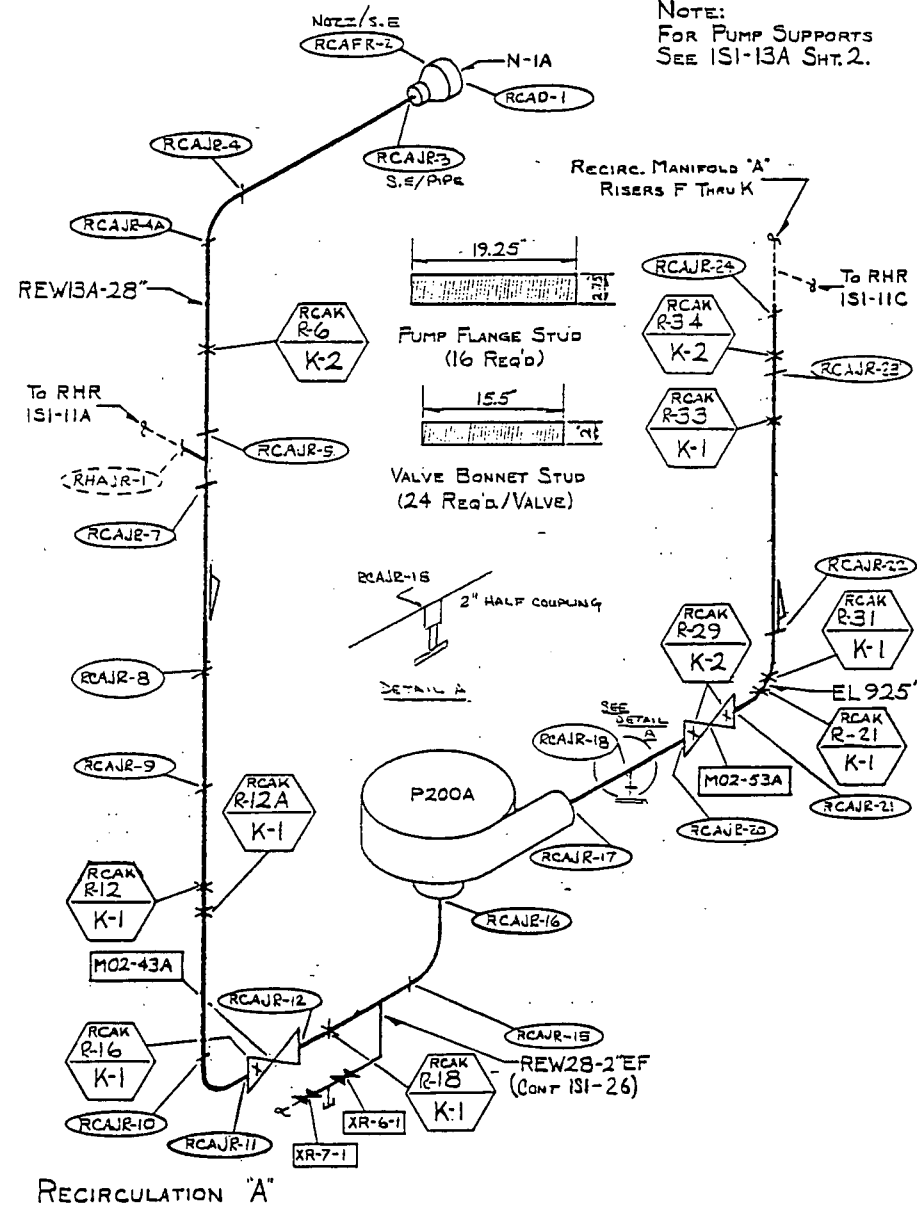
REACTOR CORE INJECTION COOLANT STM.

DWN. BY	BM	CHKD. BY	JB	APPD. BY	JB
NSP				ISI	
MONTICELLO					
RCIC					
LINE NO	PSI7-3-ED				
MAT'L A-106-GR. B/A-234-WPB					
DWG. NO	ISI-12				
				REV	2

Reference Dwg. NX-13142-43

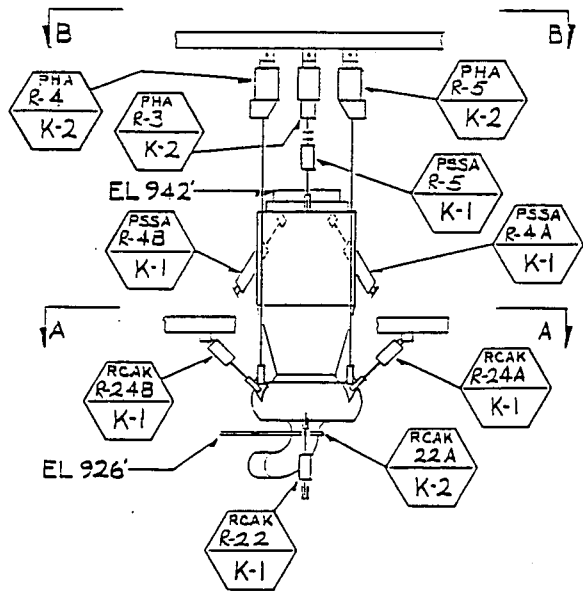
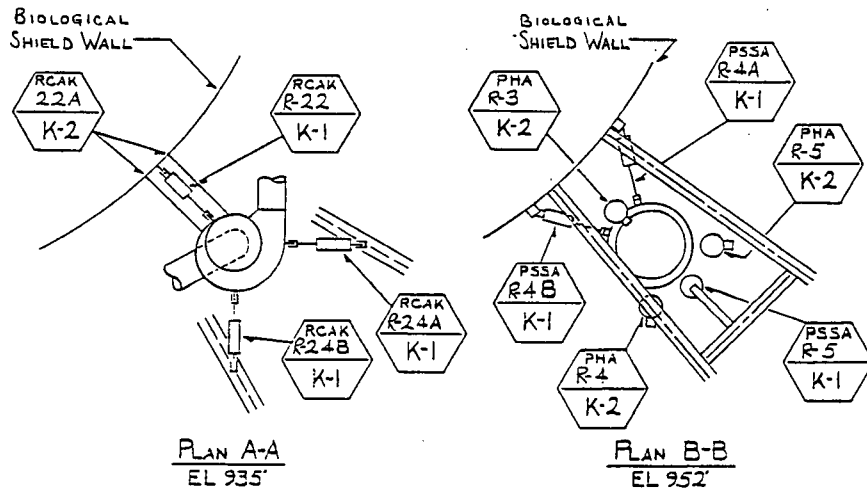


NOTE:  
FOR PUMP SUPPORTS  
SEE ISI-13A SHT.2.



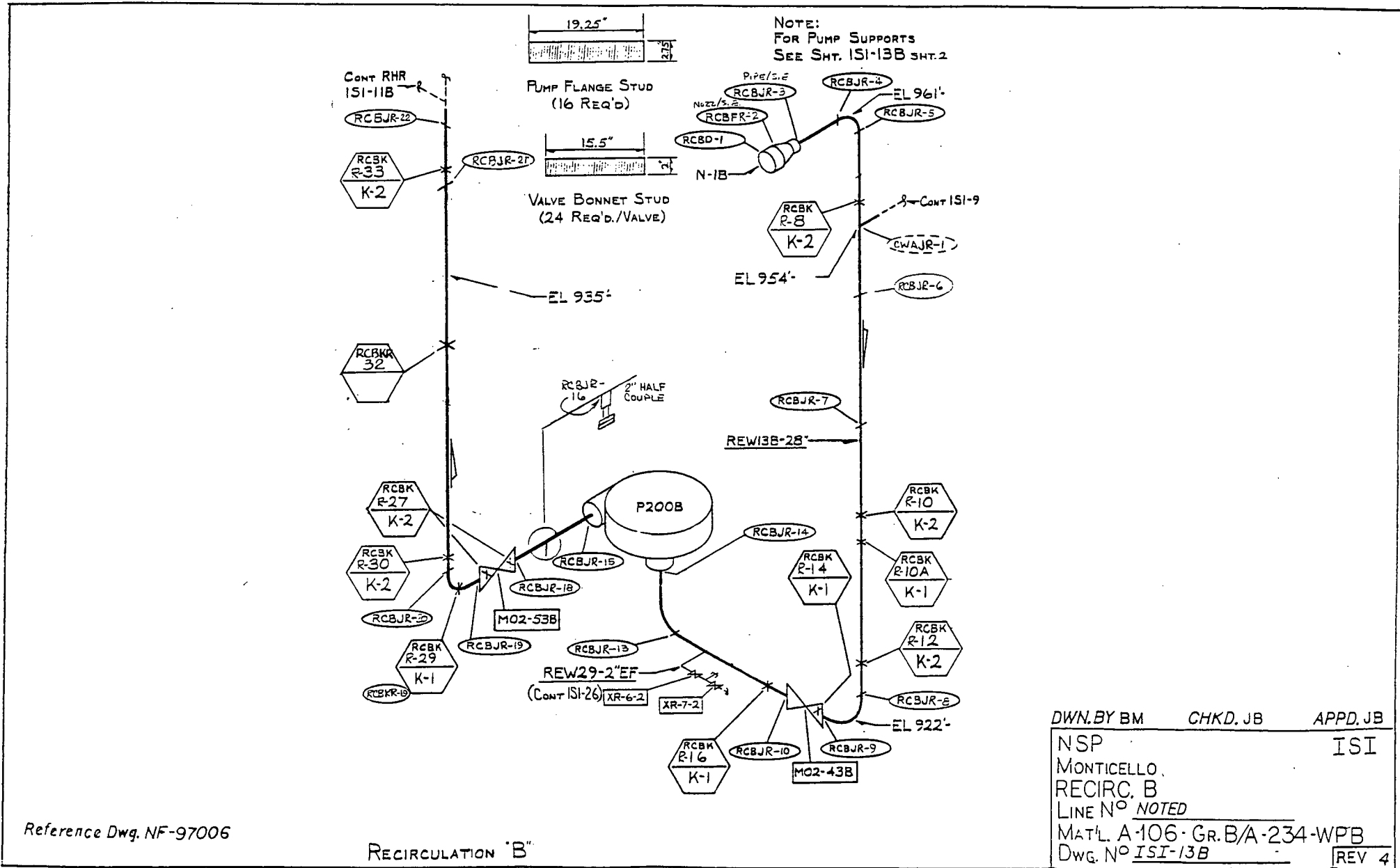
Reference Dwg. NF-97005

DWN. BY	BM	CHKD. BY	JB	APPD. BY	JB
NSP				ISI	
MONTICELLO					
RECIRC. A					
LINE NO. NOTED					
MAT'L A-106-GR. B/A-234-WPB					
DWG. NO. ISI-13A					
					REV. 4



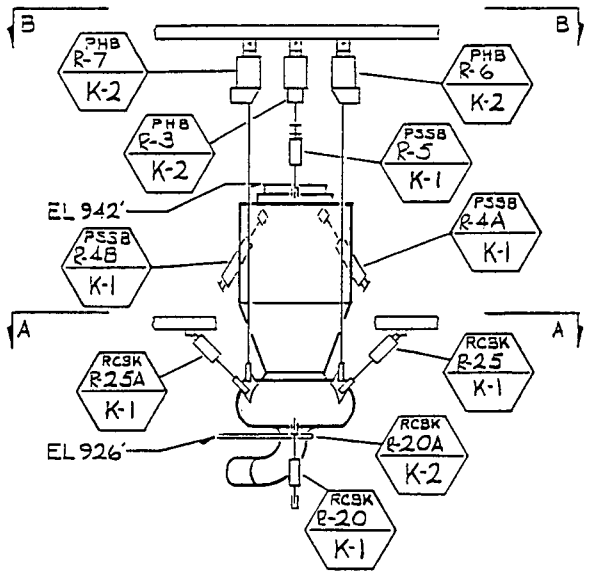
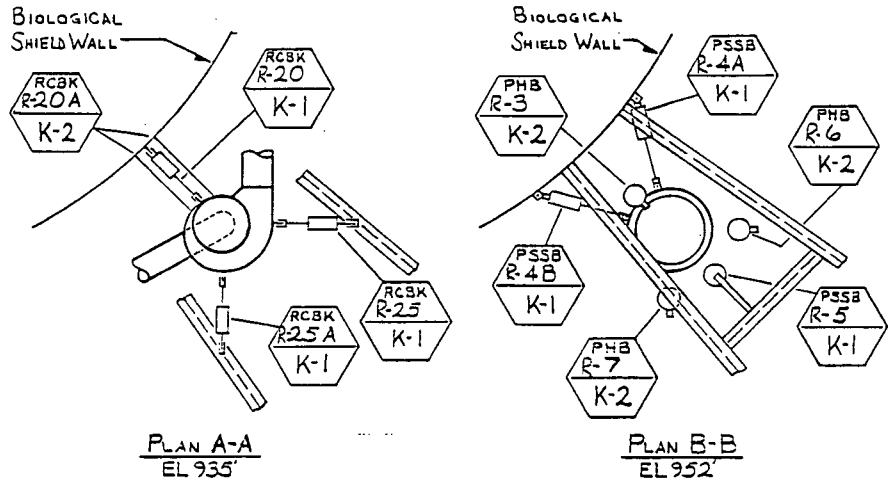
RECIRCULATION PUMP "A" SUPPORTS

DWN. BY BM	CHKD. JB	APPD. JB
NSP		ISI
MONTICELLO		
RECIRC. A		
SUPPORTS		
MAT'L A-106-Gr. B/A-234-WPB		
DWG. NO ISI-13A Sht. 2		
		REV. 2



Reference Dwg. NF-97006

DWN. BY BM	CHKD. JB	APPD. JB
NSP		ISI
MONTICELLO, RECIRC. B		
LINE N <sup>o</sup> NOTED		
MAT'L. A-106-GR. B/A-234-WPB		
DWG. N <sup>o</sup> ISI-13B		REV 4

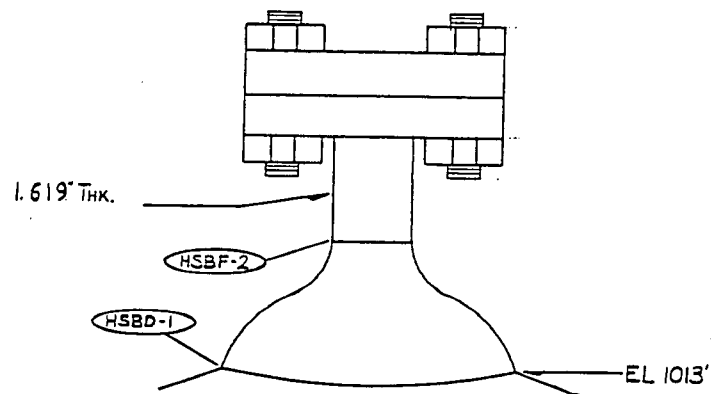


RECIRCULATION PUMP "B" SUPPORTS

DWN. BY BM	CHKD. JB	APPD. JB
NSP		ISI
MONTICELLO		
RECIRC. B		
SUPPORTS		
MAT'L. A-106-GR. B/A-234-WPB		
DWG. NO. ISI-13B Sht. 2		REV. 3





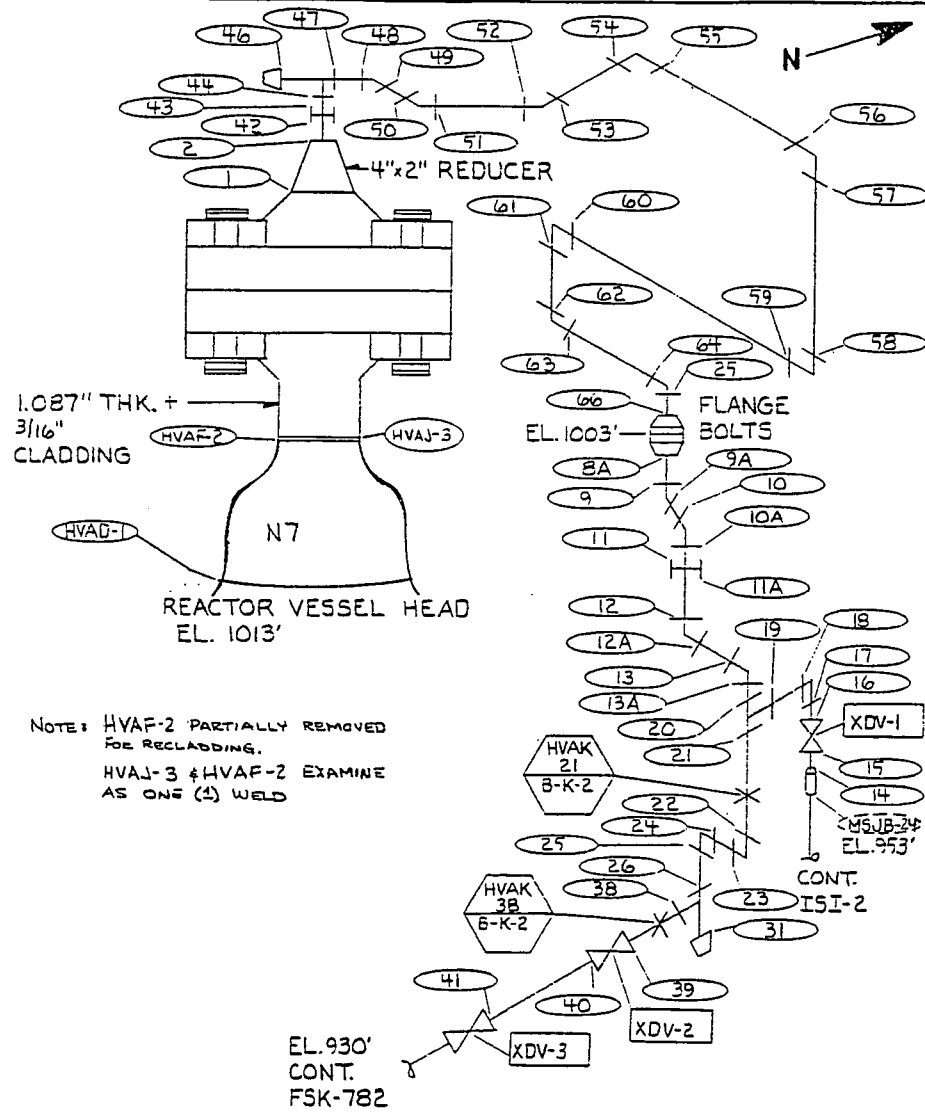


N62

HEAD SPARE 6" x 4"

MATERIAL: A508 TP.304

DWN. BY	BM	CHKD. JB	APPD. JB
NSP			ISI
MONTICELLO			
HEAD SPARE			
Dwg. No <u>ISI-14</u>			REV 2



LINE NO. V15-2" ED

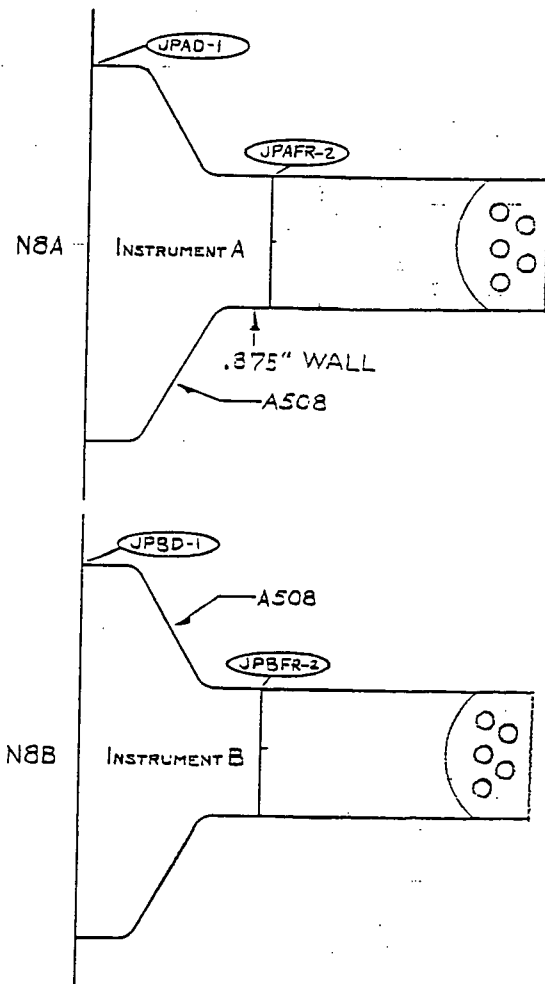
Reference Dwg. FSK-782

HEAD VENT

DWN. BY BM    CHKD. JB    APPD. JB

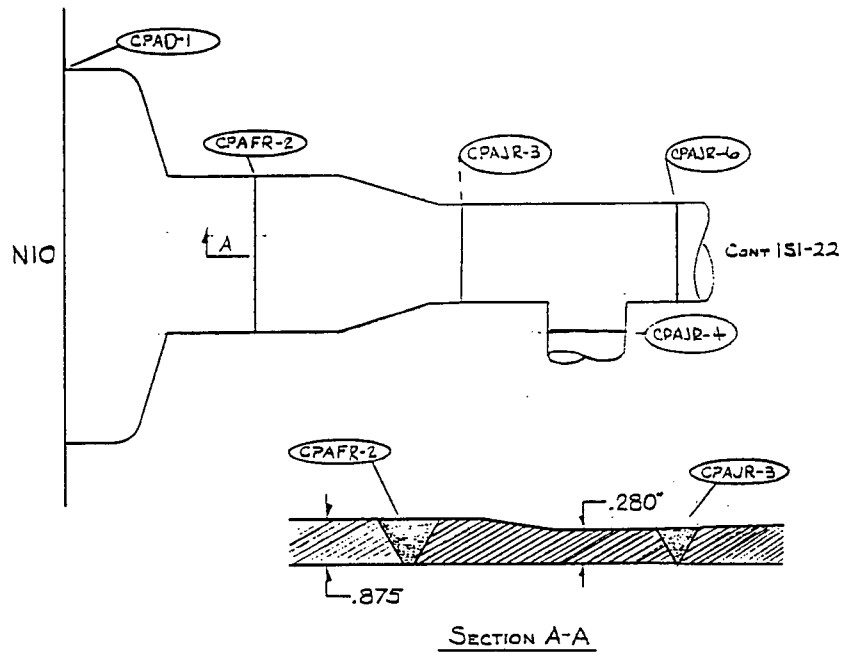
NSP	ISI
MONTICELLO	
HEAD VENT	
LINE NO. V15-2-ED	
MAT'L A-106-GR. B/A-234-WPB	
DWG. NO. ISI-15	REV 4





JET PUMP INSTRUMENTATION

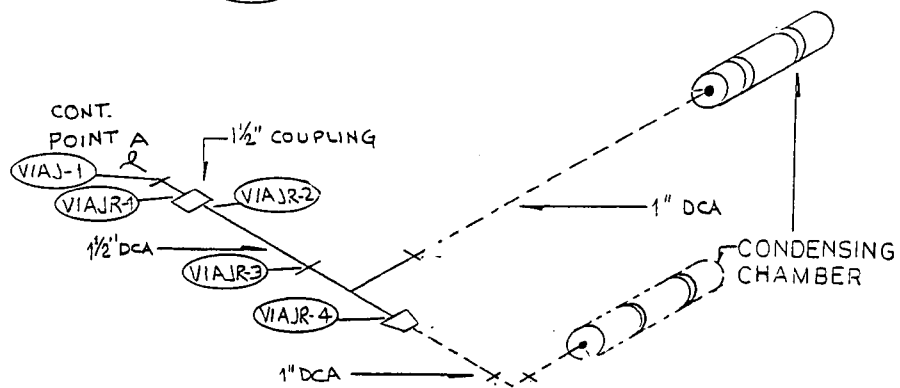
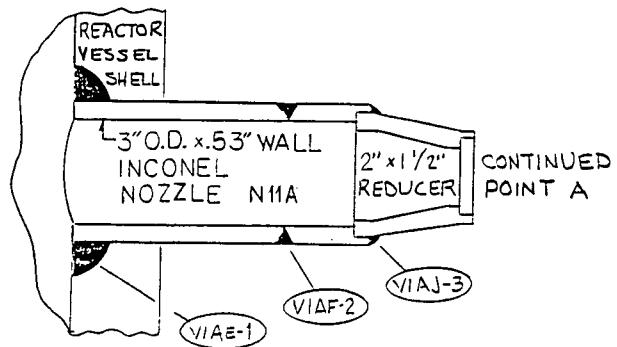
DWN. BY	CHKD. JB	APPD. JB
NSP		ISI
MONTICELLO JET PUMP		
Dwg. No	ISI-16	REV 4



STANDBY LIQUID CONTROL 2"x1 1/2"DC

Reference Dwg. NF-74215

DWN. BY BM	CHKD. JB	APPD. JB
NSP		ISI
MONTICELLO		
STANDBY LIQUID CONTROL		
DWG. NO ISI-17		REV 3



INSTRUMENT NOZZLE N1A

PIPING MATERIAL  
A-312, TYPE 304  
1 1/2" DIA. SCH. 80 &  
1" DIA.

DWN. BY BM    CHKD. JB    APPD. JB

NSP  
MONTICELLO  
INSTRUMENT NOZZLE

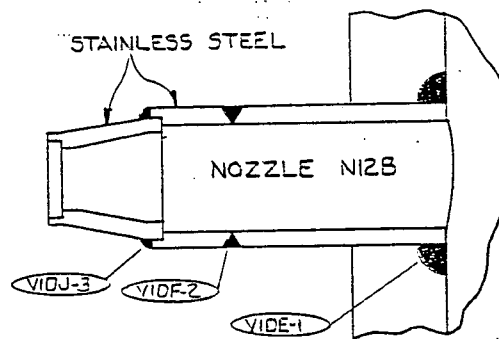
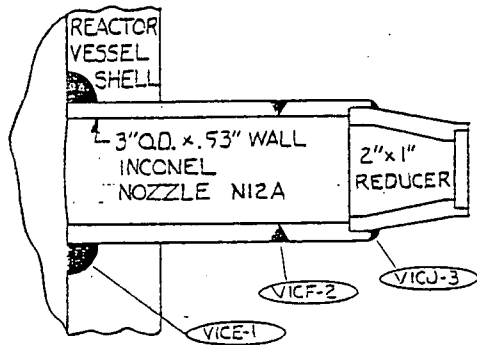
ISI

Dwg. No ISI-18

REV 4

Reference Dwg. NF-97008



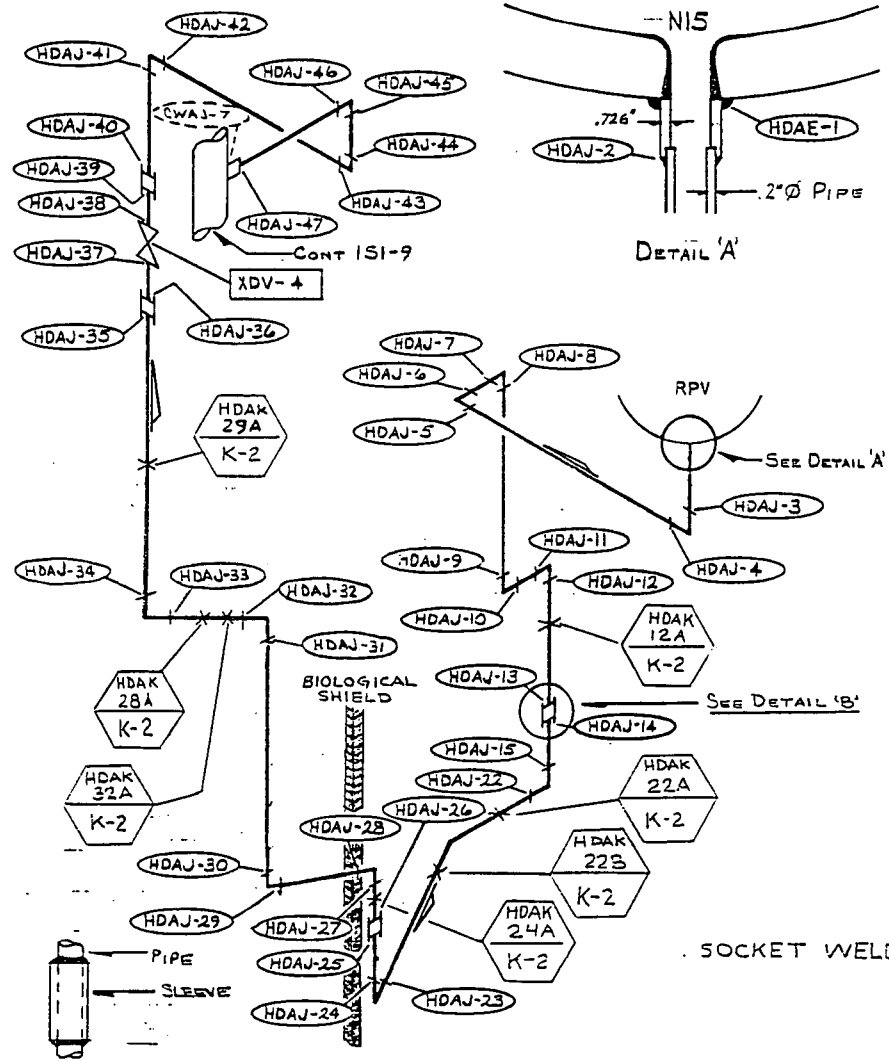


INSTRUMENT NOZZLES N12A & N12B

Reference Dwg. FSK-2041 & 2044

DWN. BY BM	CHKD. JB	APPD. JB
NSP		ISI
MONTICELLO INSTRUMENT NOZZLES		
DWG. NO ISI-19		REV 2

NOTE: HDAJ-28 INACCESSIBLE

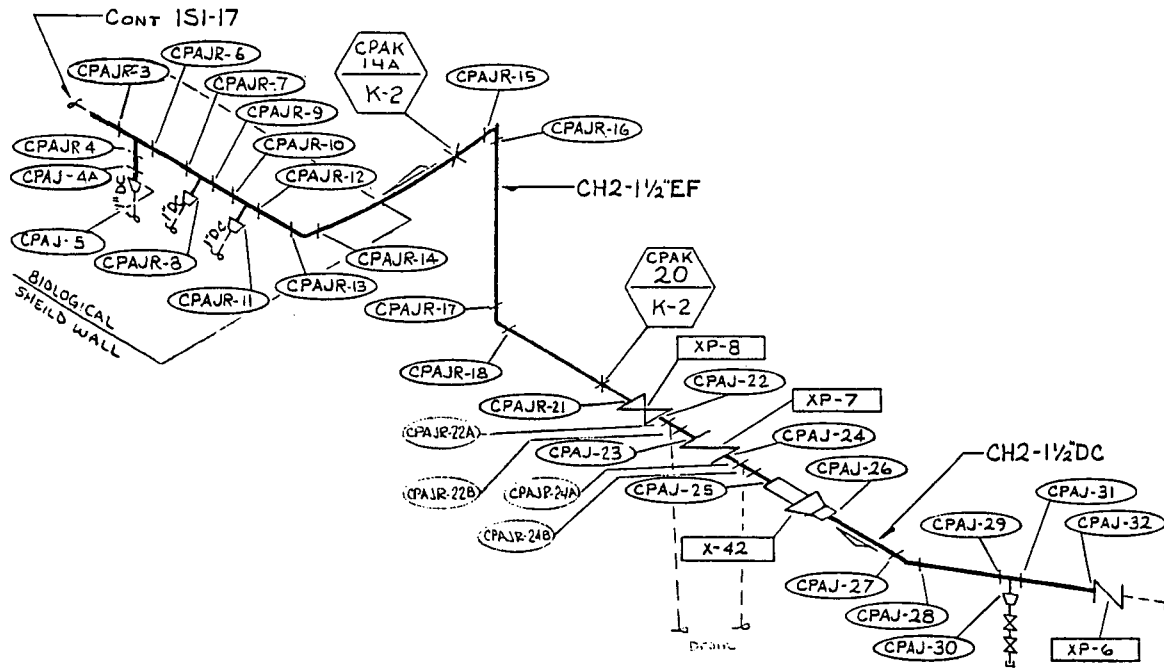


TO BE REVISED  
PER DC 84Z078.

Reference Dwg. FSK-821

DETAIL 'B'  
(TYPICAL) (4 PL)  
BOTTOM HEAD DRAIN

SOCKET WELDS  
DWN. BY BM    CHKD. JB    APPD. JB  
NSP  
MONTICELLO  
RX BOTTOM HEAD DRAIN  
LINE N<sup>o</sup> REW 31-2<sup>nd</sup> ED  
MAT'L A-106 GR. B/A-234-WPB  
DWG. N<sup>o</sup> ISI-21    REV ISI

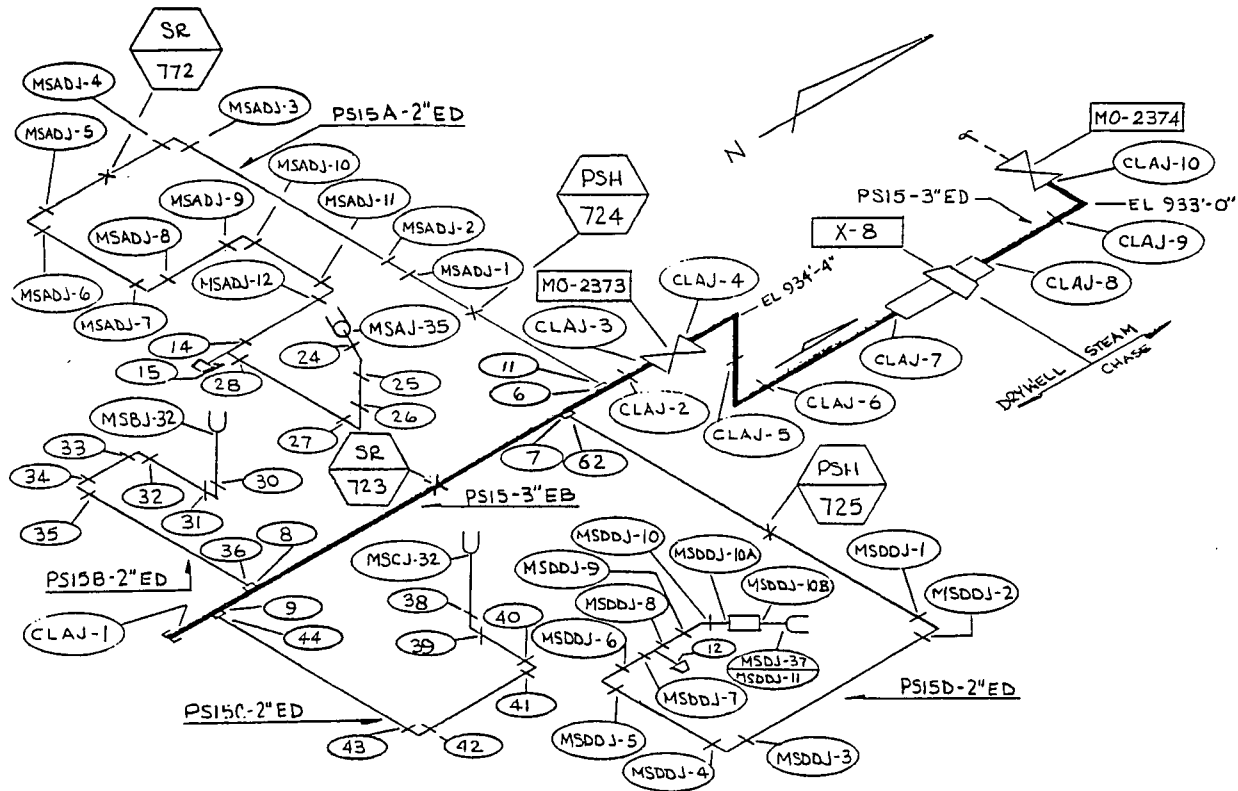


STANDBY LIQUID CONTROL

DWN. BY BM      CHKD. JB      APPD. JB

NSP	ISI
MONTICELLO	
STANDBY LIQUID CONTROL	
LINE N <sup>o</sup> NOTED	
MAT'L A-106-Gr. B/A-234-WPB	
DWG. N <sup>o</sup> ISI-22	REV 4

Reference Dwg. NQ-74215



MAIN STEAM CONDENSATE LEAKOFF

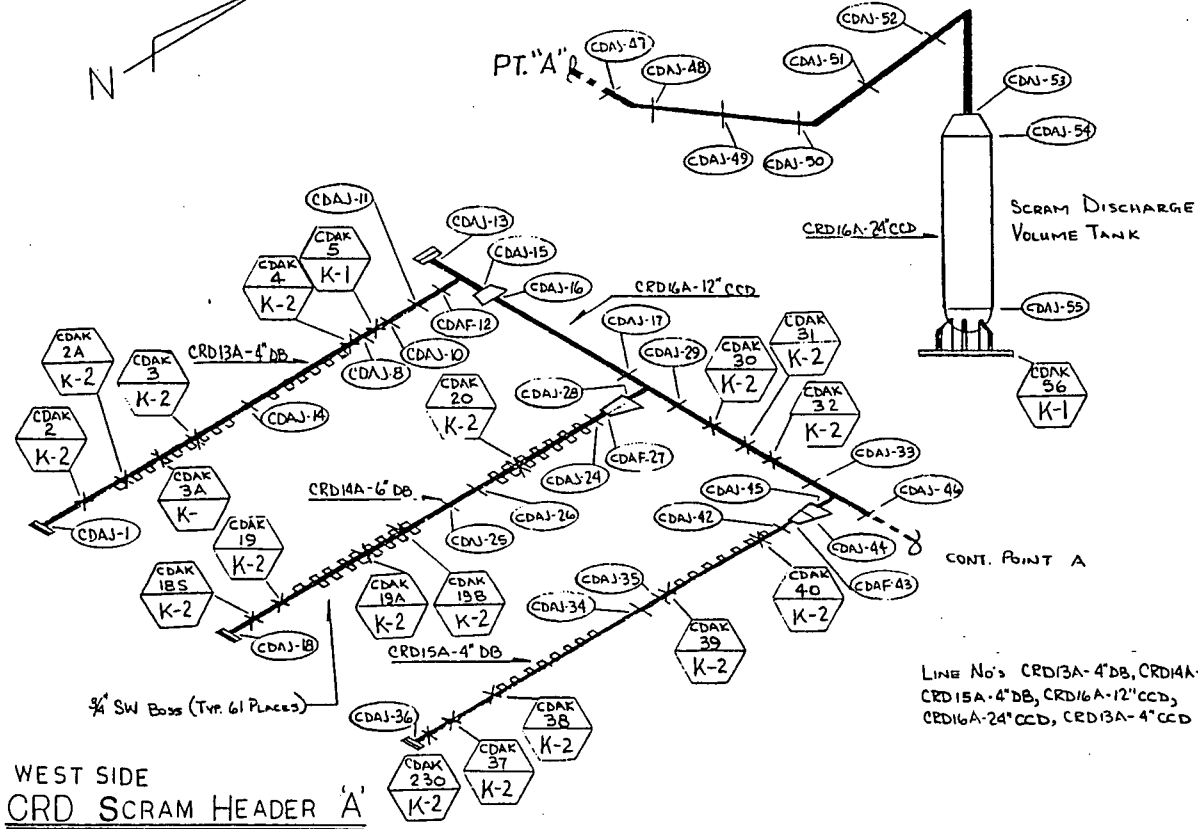
Reference Dwg. NX-13142-42 & FSK-786

DWN. BY	BM	CHKD. JB	APPD. JB
NSP			ISI
MONTICELLO			
MAIN STEAM COND. LEAKOFF			
LINE N <sup>o</sup> NOTED			
MAT'L A-106-GR. B/A-234-WPB			
DWG. N <sup>o</sup> ISI-23			REV. 5





12" PIPE IS LONG SEAMED



LINE No's CRD13A-4\"DB, CRD14A-6\"DB, CRD15A-4\"DB, CRD16A-12\"CCD, CRD16A-24\"CCD, CRD13A-4\"CCD

WEST SIDE  
CRD SCRAM HEADER 'A'

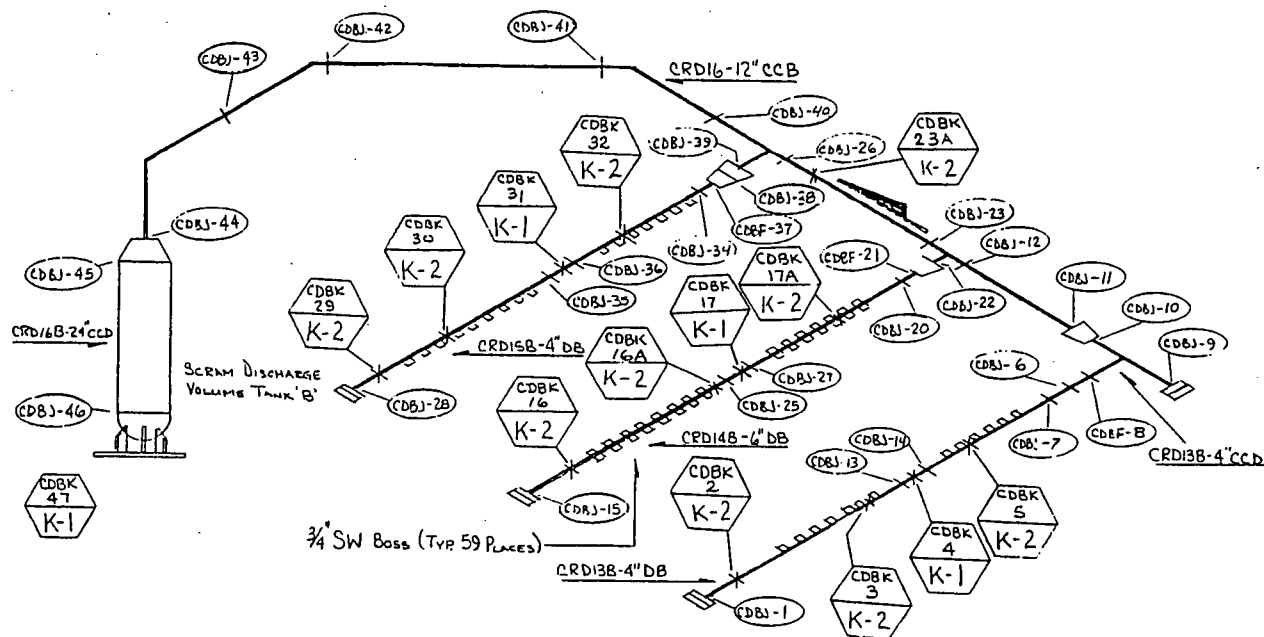
DWN. BY BM	CHKD. JB	APPD. JB
NSP		ISI
MONTICELLO		
CRD		
LINE N <sup>o</sup> NOTED		
MAT'L A-106-GR. B/A-234-WPB		
DWG. N <sup>o</sup> ISI-24A		REV 3

Reference Dwg. NF-93268-1



12" PIPE IS LONG SEAMED

LINE No. CRD-13B-4" CCD, CRD13B-4" DB,  
CRD14B-6" DB, CRD16B-12" CCB,  
CRD15B-4" DB, CRD16B-24" CCD

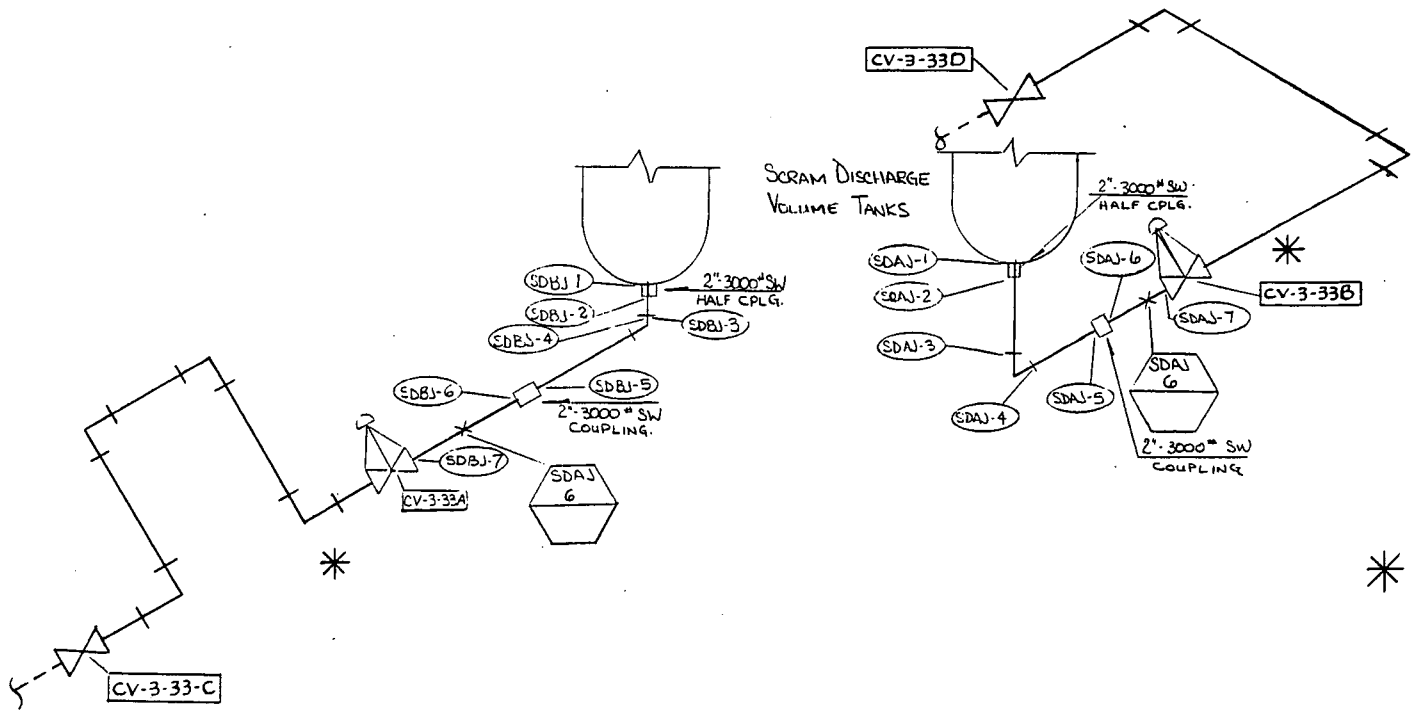


CRD SCRAM HEADER "B" EAST SIDE

DWN. BY BM      CHKD. JB      APPD. JB

NSP	ISI
MONTICELLO	
CRD	
LINE N <sup>o</sup> NOTED	
MAT'L A-106-GR. B/A-234-WPB	
DWG. N <sup>o</sup> ISI-24B	REV 4

Reference Dwg. NF-93268-3



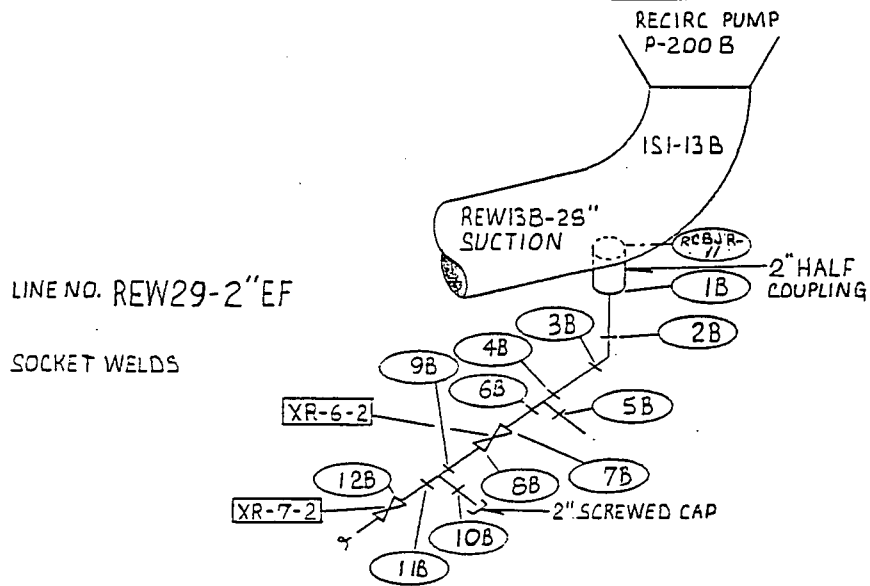
\* Weld I.D. In Next Rev.

CRD SCRAM HEADER DISCHARGE

LINE No. CRD16B-2"CCD, CRD16A-2"CCD

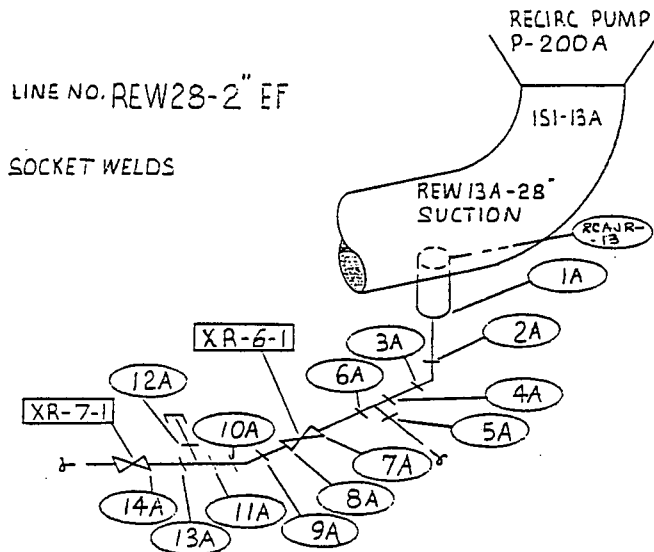
Reference Dwg. NF-93268-1

DWN. BY	CHKD. JB	APPD. JB
NSP		ISI
MONTICELLO		
CRD		
LINE NO	NOTED	
MAT'L	A-106-GR. B/A-234-WPB	
DWG. NO	ISI-24C	
		REV 3



LINE NO. REW29-2" EF

SOCKET WELDS



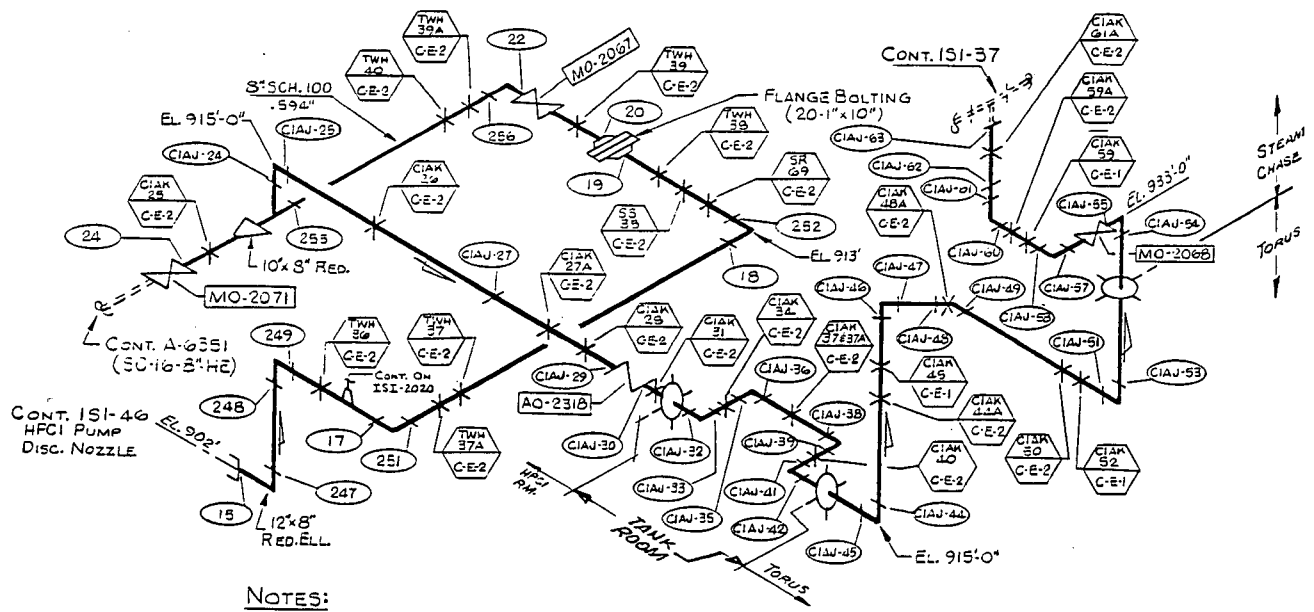
LINE NO. REW28-2" EF

SOCKET WELDS

RECIRC DRAIN LINES

Reference Dwg. FSK-756 & 757

DWN. BY	BM	CHKD. JB	APPD. JB
NSP			ISI
MONTICELLO			
RECIRC.			
LINE N <sup>o</sup> NOTED			
MAT'L A-106-Gr. B/A-234-WPB			
Dwg. N <sup>o</sup> ISI-26			REV-2

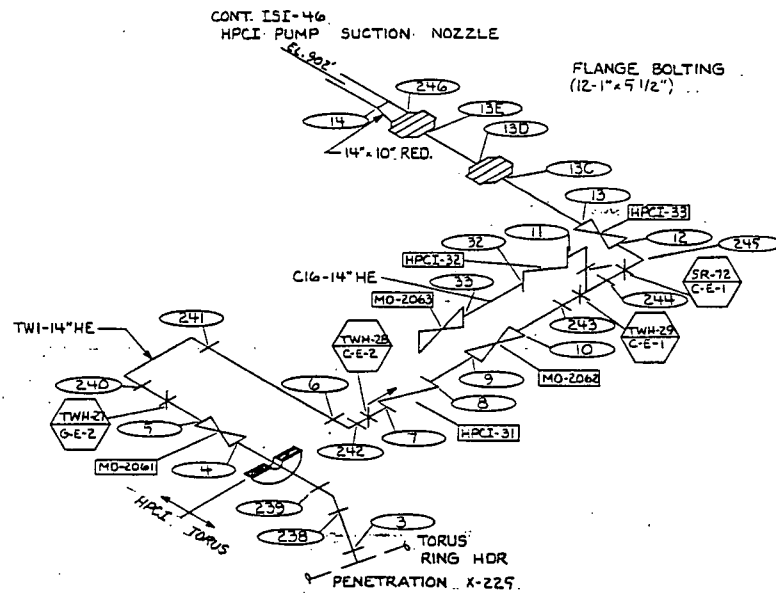


NOTES:  
 PIPING UPSTREAM OF VLV. MO-2068 IS SCH. 100 (.843")  
 PIPING DOWNSTREAM OF VLV. MO-2068 IS SCH. 80 (.637")

HIGH PRESSURE COOLANT INJECTION  
 WATER SIDE DISC.

Reference Dwg. NX-13142-40

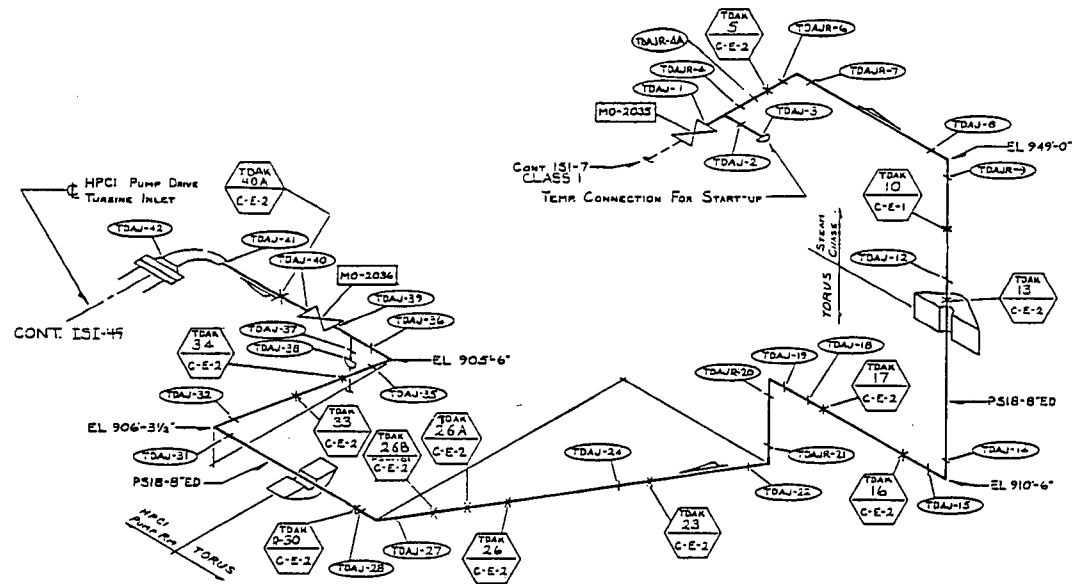
DWN. BY	BM	CHKD. BY	JB	APPD. BY	ISI
NSP					
MONTICELLO					
HPCI					
LINE NO	TW3-12-ED				
MAT'L	A-106-GR. B/A-234-WPB				
DWG. NO	ISI-31				REV 3



HIGH PRESSURE COOLANT INJECTION (WATER SIDE SUCTION)

DWN. BY BM	CHKD. JB	APPD. JB
NSP		ISI
MONTICELLO		
HPCI		
LINE N <sup>o</sup> <u>NOTED</u>		
MATL. <u>A-106-GR. B/A-234-WPB</u>		
DWG. N <sup>o</sup> <u>ISI-31A</u>		REV 1

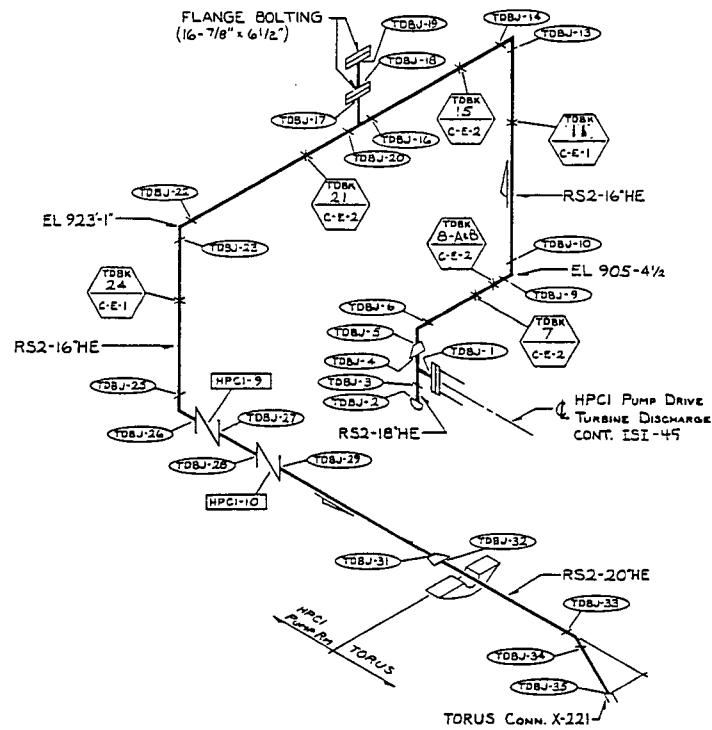
Reference Dwg. NX-13142-17



High Pressure Coolant Injection (STEAM SIDE)

DWN. BY	BM	CHKD. BY	JB	APPD. BY	JB
NSP				ISI	
MONTICELLO					
HPCI					
LINE N <sup>o</sup>	PS18-8-ED				
MAT'L	A-106-GR. B/A-234-WPB				
DWG. N <sup>o</sup>	ISI-32				REV 4

Reference Dwg. NX-13142-42

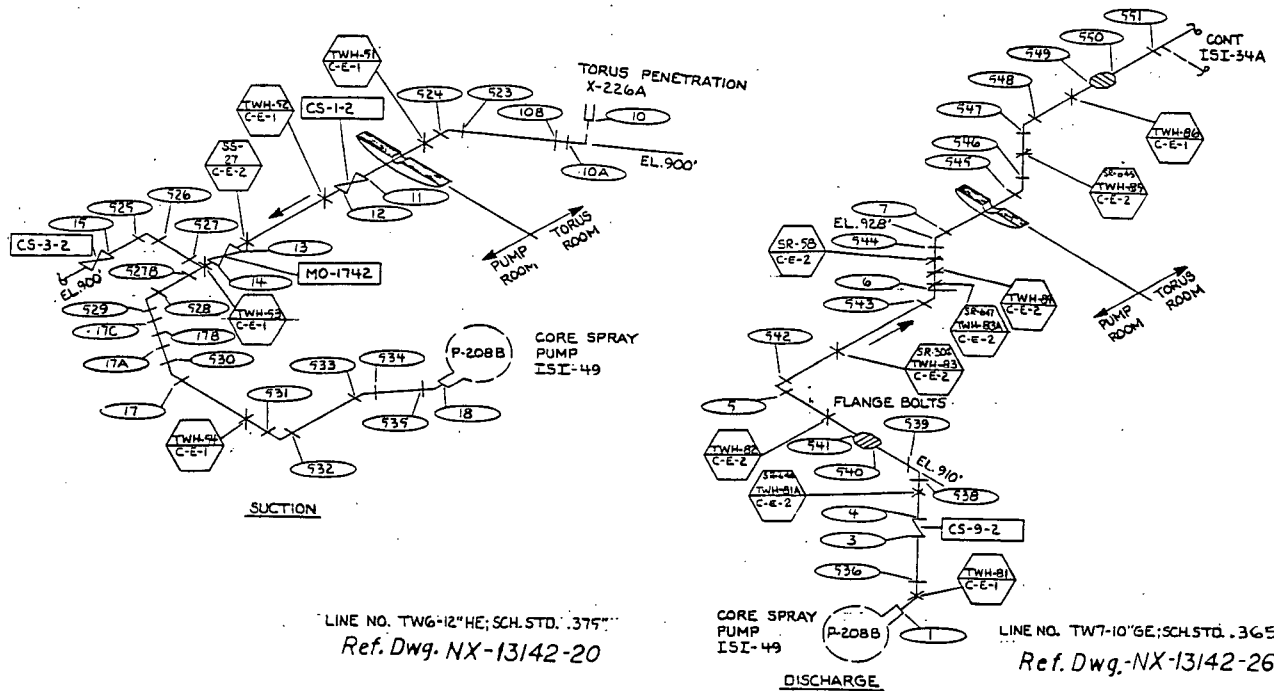


HPCI STEAM SIDE DISCHARGE

Reference Dwg. NX-13142-19

DWN. BY	BM	CHKD. BY	JB	APPD. BY	JB
NSP				ISI	
MONTICELLO					
HPCI					
LINE N <sup>o</sup>	NOTED				
MAT'L	A-106-GR. B/A-234-WPB				
DWG. N <sup>o</sup>	ISI-33				REV 3



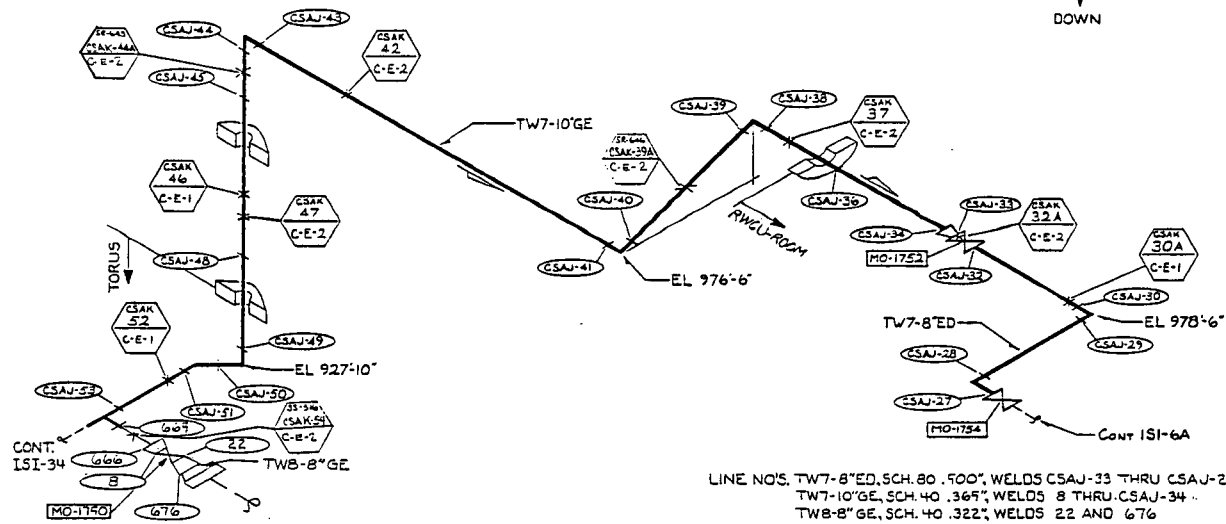


LINE NO. TWG-12"HE; SCH. STD. 375  
 Ref. Dwg. NX-13142-20

LINE NO. TW7-10"GE; SCH. STD. 365  
 Ref. Dwg. NX-13142-26

CORE SPRAY A

DWN. BY	BM	CHKD. BY	JB	APPD. BY	JB
NSP				ISI	
MONTICELLO					
CORE SPRAY A					
LINE N <sup>o</sup> NOTED					
MAT'L A-106-GR. B/A-234-WPB					
DWG. N <sup>o</sup> ISI-34					
					REV 3

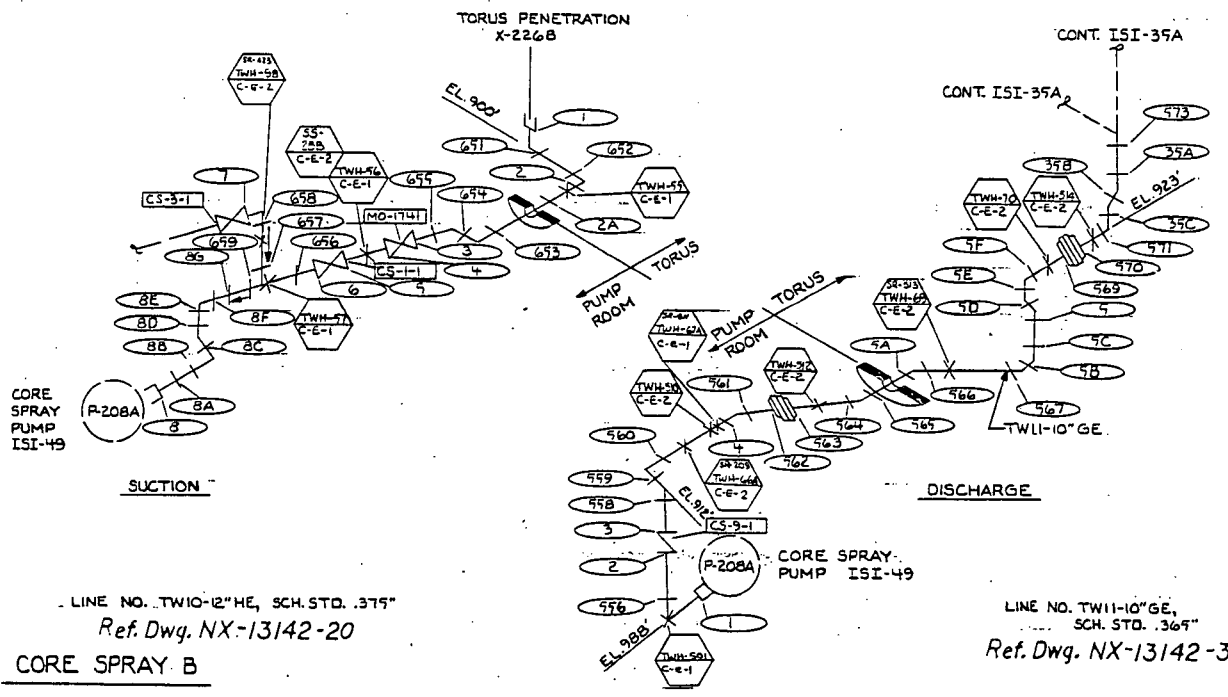


CORE SPRAY A DISCHARGE

LINE NO'S, TW7-8"ED, SCH. 80 . 500", WELDS CSAJ-33 THRU CSAJ-27  
 TW7-10"GE, SCH. 40 . 365", WELDS 8 THRU CSAJ-34 .  
 TWB-8"GE, SCH. 40 . 322", WELDS 22 AND 676

Reference Dwg. NX-13142-26

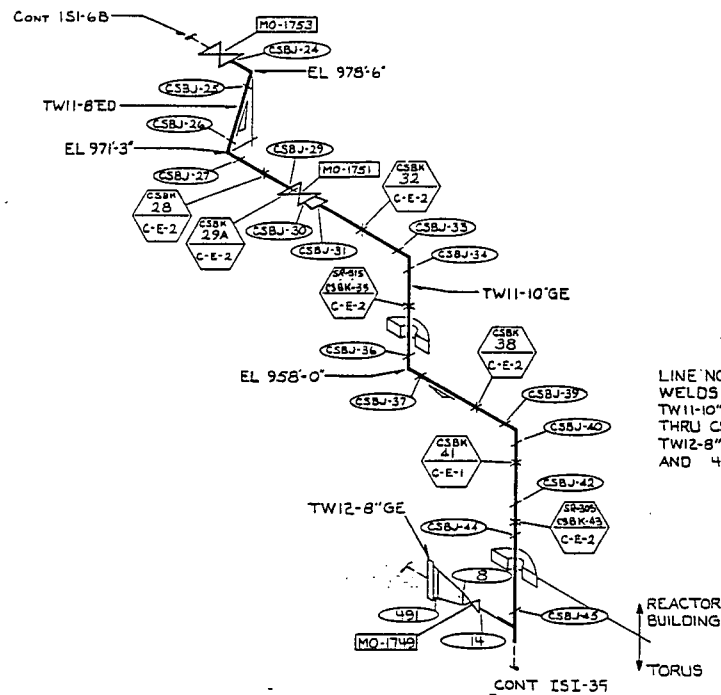
DWN. BY	CHKD.	APPD.
BM	JB	JB
NSP		ISI
MONTICELLO		
CORE SPRAY A		
LINE N <sup>o</sup> <u>NOTED</u>		
MAT'L A-106 · GR. B/A-234-WPB		
Dwg. N <sup>o</sup> <u>ISI-34A</u>		
		REV 2



LINE NO. TW10-12" HE, SCH. STD. .375"  
 Ref. Dwg. NX-13142-20  
CORE SPRAY B

LINE NO. TW11-10" GE,  
 SCH. STD. .365"  
 Ref. Dwg. NX-13142-31

DWN. BY	BM	CHKD.	JB	APPD.	JB
NSP				ISI	
MONTICELLO					
CORE SPRAY B					
LINE N <sup>o</sup> <u>NOTED</u>					
MAT'L A-106 Gr. B/A-234-WPB					
Dwg. N <sup>o</sup> <u>ISI-35</u>					
					REV 3

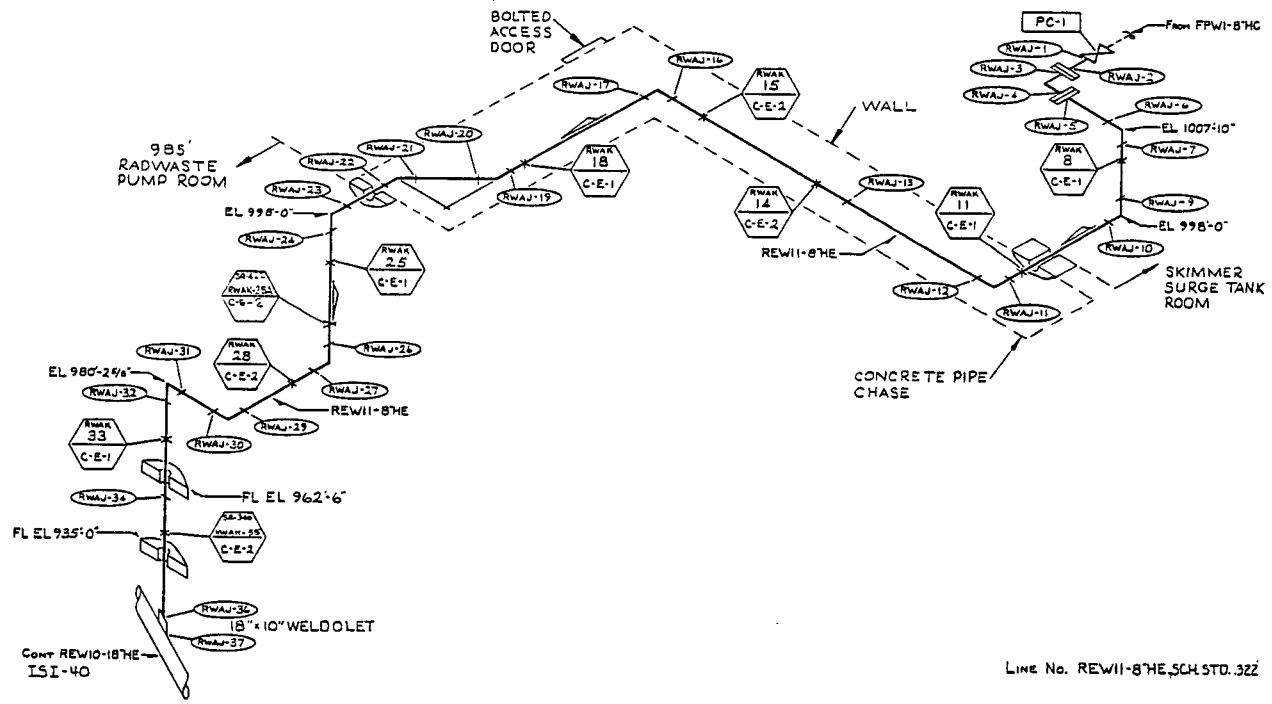


LINE NO'S. TW11-8"ED, SCH. 80, 900',  
 WELDS CSBJ-30 THRU CSBJ-24.  
 TW11-10"GE, SCH. 40, 365', WELDS 14  
 THRU CSBJ-31.  
 TW12-8"GE, SCH. 40, 322', WELDS 8  
 AND 491

CORE SPRAY B DISCHARGE

Reference Dwg. NX-13142-31

DWN. BY	CHKD.	APPD.
BM	JB	JB
NSP		ISI
MONTICELLO		
CORE SPRAY B		
LINE NO° NOTED		
MAT'L A-106-Gr. B/A-234-WPB		
Dwg. NO° ISI-35A		
		REV 2

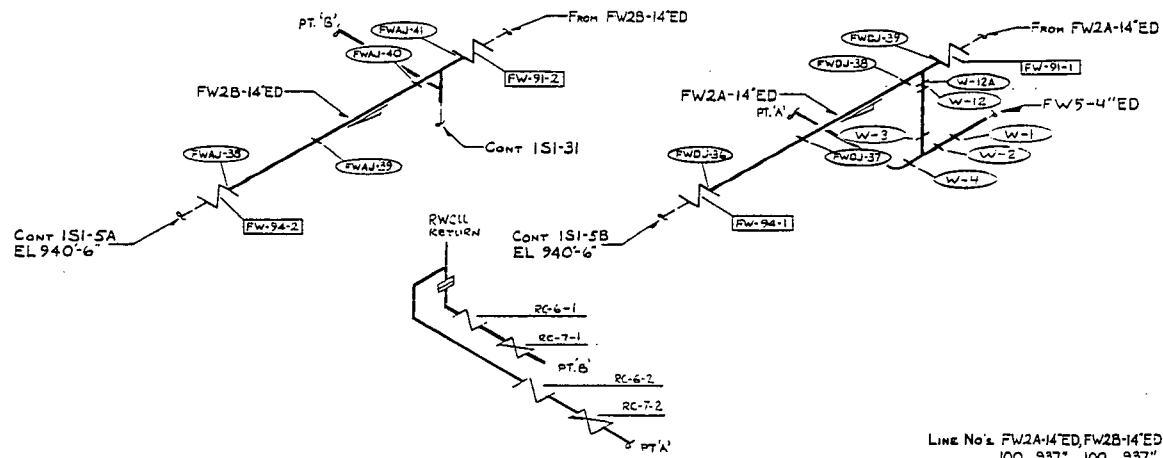


REACTOR WATER FROM SKIMMER SYSTEM

Line No. REW11-8'HE, SCH. STD. 322

DWN. BY	CHKD.	APPD.
BM	JB	JB
NSP		ISI
MONTICELLO		
REACTOR WATER		
LINE N <sup>o</sup> <u>REW11-8-HE</u>		
MAT'L A-106 GR. B/A-234-WPB		
DWG. N <sup>o</sup> <u>ISI-36</u>		REV 4

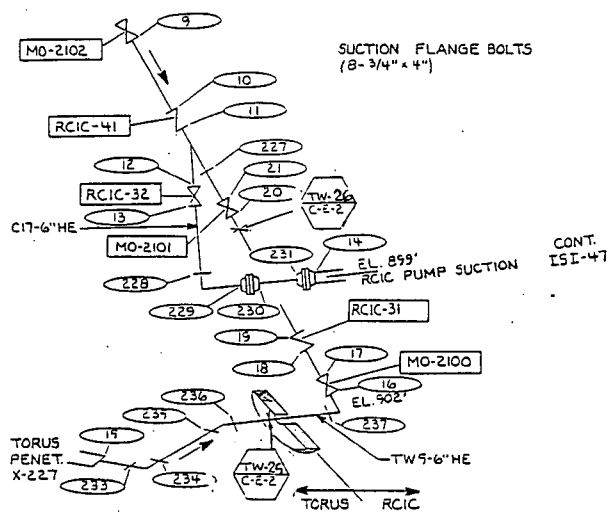
Reference Dwg. NX-13142-67



Line No's FW2A-14'ED, FW2B-14'ED  
100, .937" 100, .937"

Reference Dwg. NX-13142-52 & 53

DWN. BY	BM	CHKD.	JB	APPD.	JB
NSP				ISI	
MONTICELLO					
FEEDWATER					
LINE N <sup>o</sup> NOTED					
MAT'L A-106-Gr. B/A-234-WPB					
Dwg. N <sup>o</sup> ISI-37					
					REV 4



SUCTION FLANGE BOLTS  
 (8-3/4" x 4")

CONT.  
 ISI-47

EL. 859'  
 RCIC PUMP SUCTION

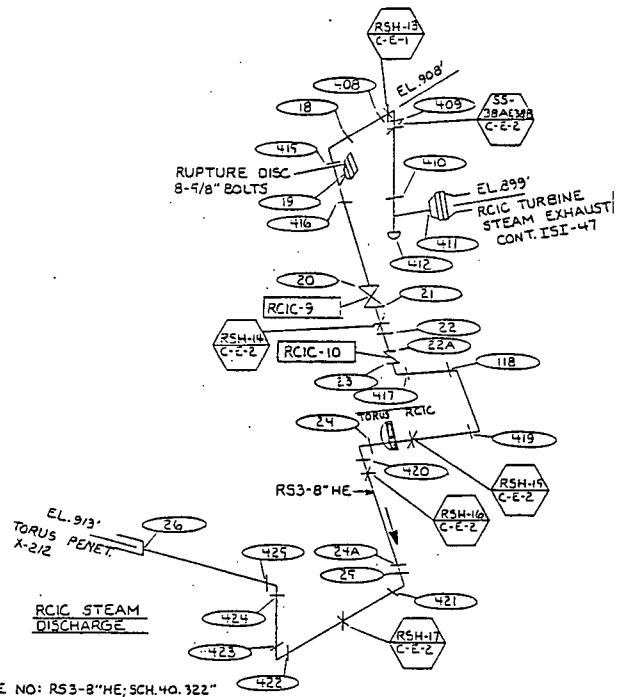
MO-2100  
 EL. 902'  
 TW 9-6" HE

TORUS  
 RCIC

LINE NOS. TW 9-6" HE, SCH. 40. 280", WELDS 15 THRU 11 & 14  
 C17-6" HE, SCH. 40. 280", WELDS 9 & 10

RCIC WATER SUCTION

REACTOR CORE INJECTION COOLANT



EL. 908'  
 EL. 899'  
 RCIC TURBINE  
 STEAM EXHAUST  
 CONT. ISI-47

R53-8" HE

TORUS RCIC

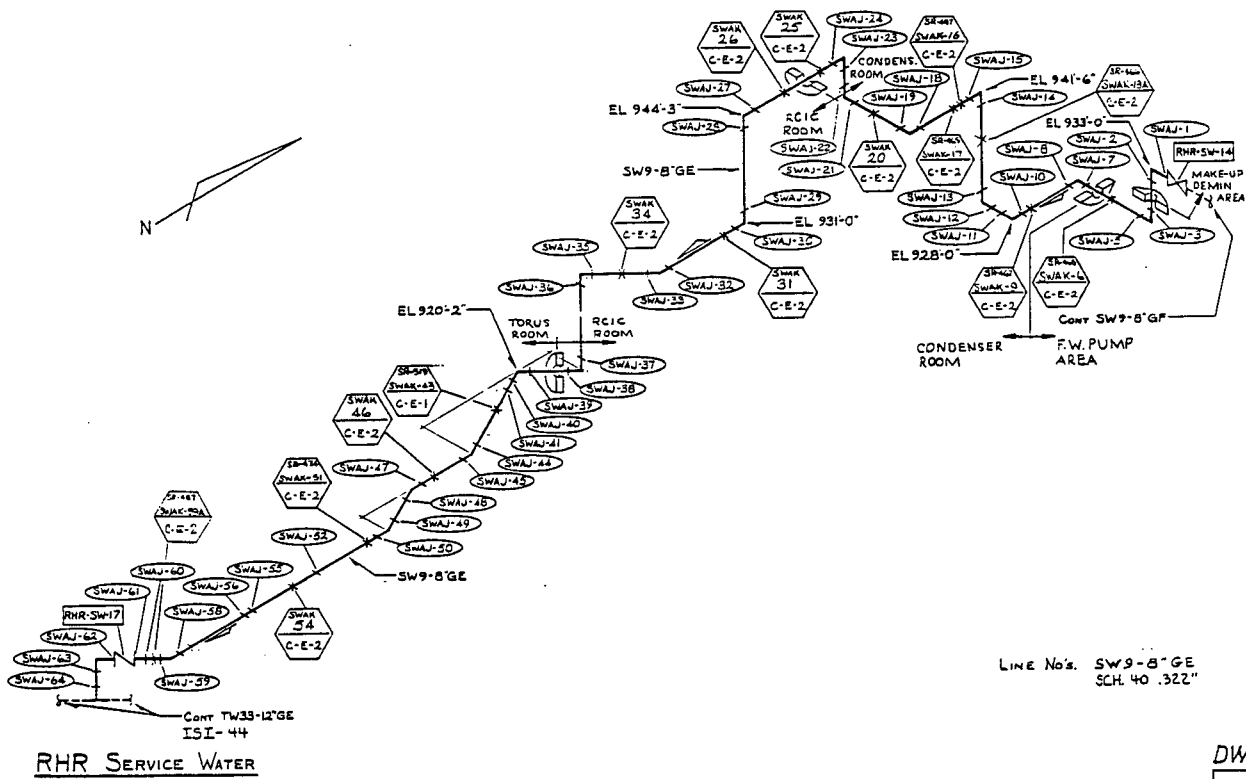
EL. 913'  
 TORUS PENET.  
 X-212

RCIC STEAM  
 DISCHARGE

LINE NO: R53-8" HE; SCH. 40. 322"

DWN. BY	BM	CHKD. BY	JB	APPD. BY	JB
NSP				ISI	
MONTICELLO					
RCIC					
LINE NO NOTED					
MAT'L A-106 - Gr. B/A-234-WPB					
DWG. NO ISI-38					
					REV 3

Reference Dwg. NX-13142-41 & 19

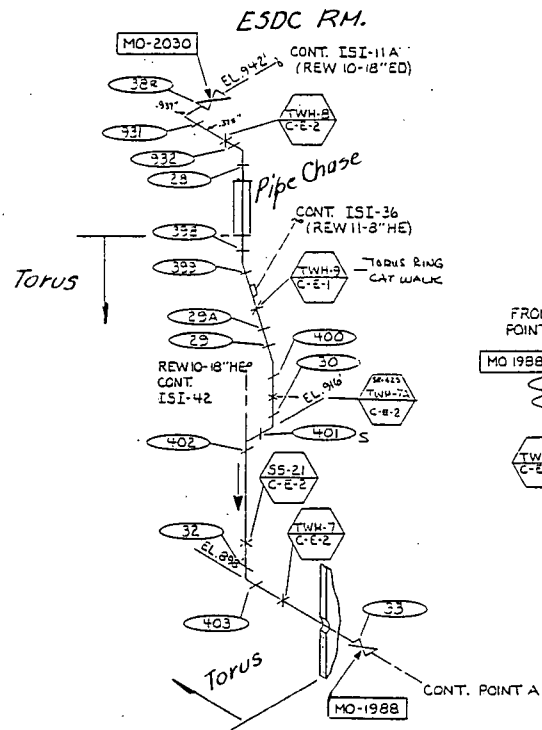


Line No's. SW9-8"GE  
SCH. 40 .322"

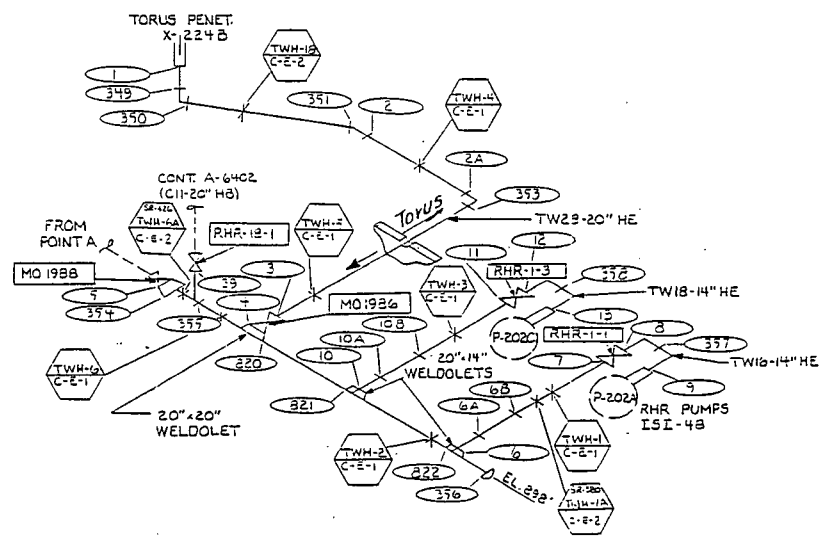
DWN. BY	BM	CHKD. BY	JB	APPD. BY	ISI
NSP					
MONTICELLO					
RHR					
LINE N°	SW9-8-GE				
MAT'L	A-106-GR. B/A-234-WPB				
DWG. N°	ISI-39				REV 4

Reference Dwg. NX-13142-48





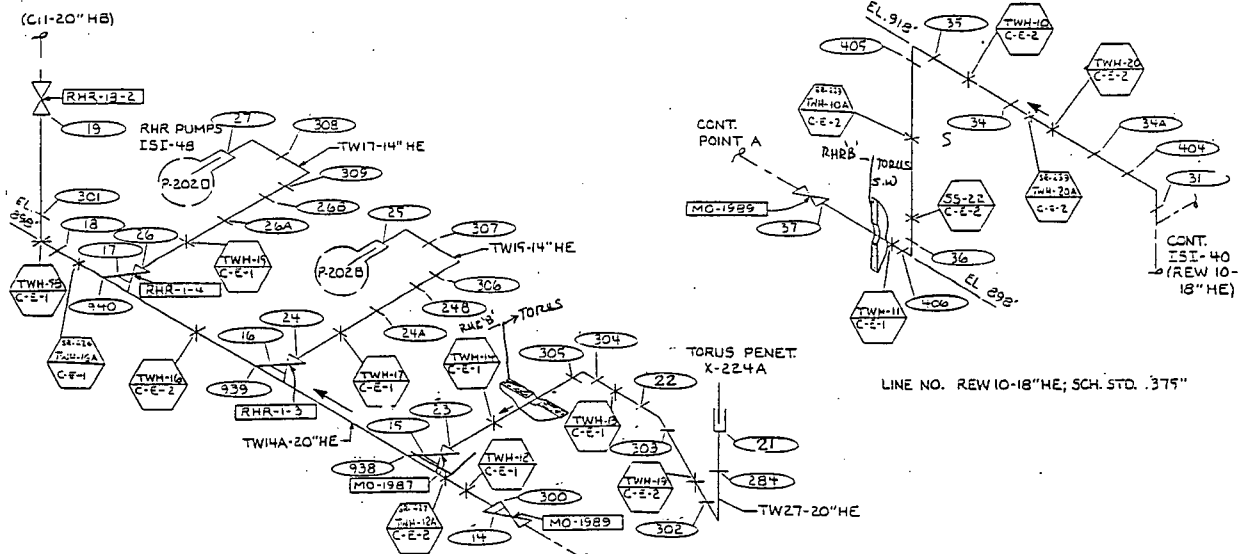
RHR SUCTION A  
 'A' Pump Rm. LINE NO. REW 10-18" HE, SCH. STD. 375"  
 Ref. Dwg. NX-13142-49



LINE NO'S. TW14B-20" HE; SCH. STD. 375"; WELDS 5 & 39 THRU 396  
 TW16-14" HE; SCH. STD. 375"; WELDS 6 THRU 9  
 TW18-14" HE; SCH. STD. 375"; WELDS 10 THRU 13  
 TW29-20" HE; SCH. STD. 375"; WELDS 1 THRU 4  
 Ref. Dwg. NX-13142-17

DWN. BY	BM	CHKD. BY	JB	APPD. BY	JB
NSP				ISI	
MONTICELLO					
RHR					
LINE NO	NOTED				
MAT'L	A-106-Gr. B/A-234-WPB				
DWG. NO	ISI-40				REV 4



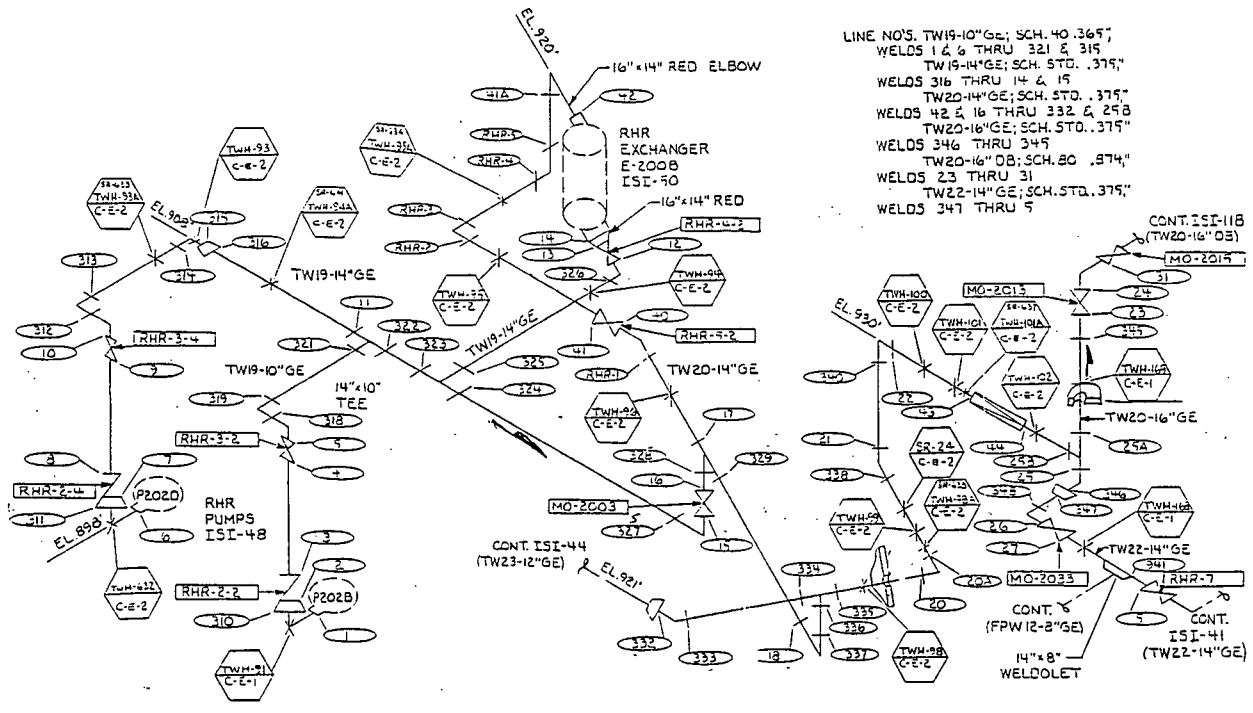


LINE NOS. TWI4A-20" HE; SCH. STD. .375; WELDS 14 THRU 19  
 TWI5-14" HE; SCH. STD. .375; WELDS 16 THRU 25  
 TWI7-14" HE; SCH. STD. .375; WELDS 17 THRU 27  
 TW27-20" HE; SCH. STD. .375; WELDS 25 THRU 19

LINE NO. REW 10-18" HE; SCH. STD. .375"

DWN. BY	BM	CHKD.	JB	APPD.	JB
NSP					ISI
MONTICELLO					
RHR					
LINE N <sup>o</sup>	NOTED				
MAT'L	A-106-GR. B/A-234-WPB				
DWG. N <sup>o</sup>	ISI-42				REV 2

Reference Dwg. NX-13142-17842

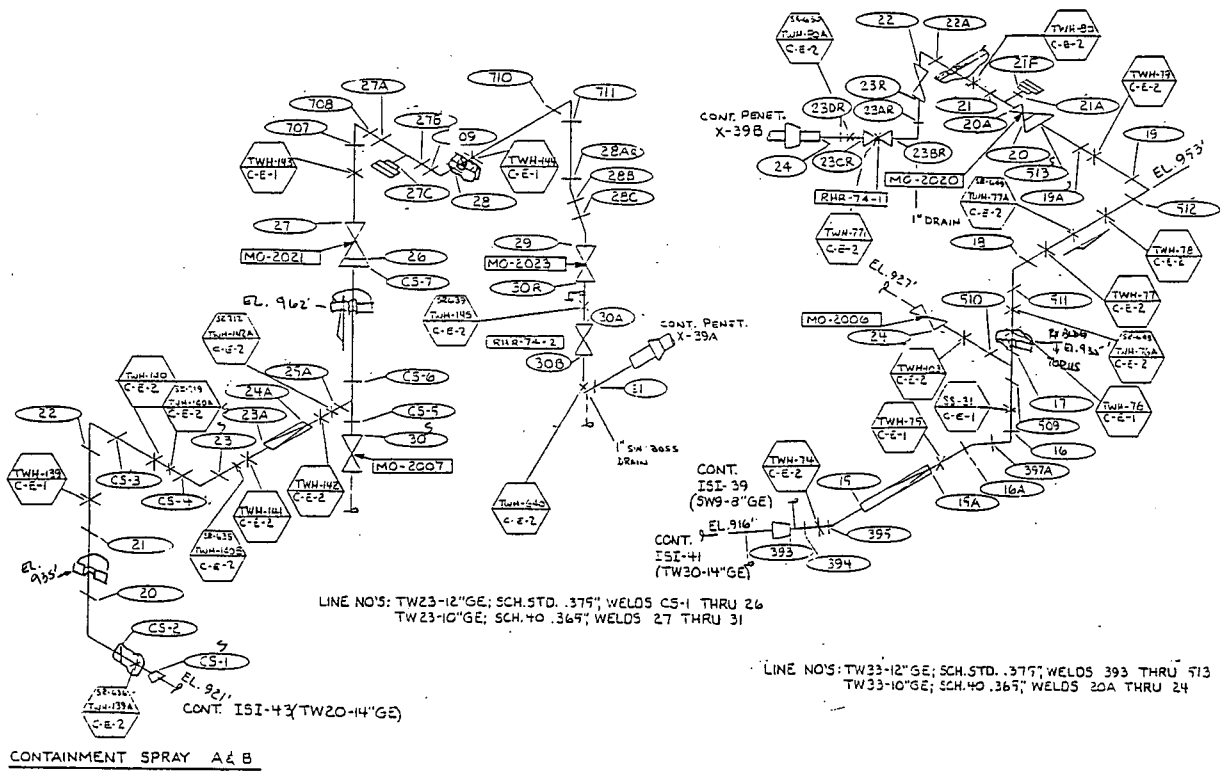


LINE NO'S. TW19-10"GE; SCH. 40.365;  
 WELDS 1 & 6 THRU 321 & 315  
 TW19-14"GE; SCH. STD. .375"  
 WELDS 316 THRU 14 & 15  
 TW20-14"GE; SCH. STD. .375"  
 WELDS 42 & 16 THRU 332 & 258  
 TW20-16"GE; SCH. STD. .375"  
 WELDS 346 THRU 349  
 TW20-16" DB; SCH. 80 .874"  
 WELDS 23 THRU 31  
 TW22-14"GE; SCH. STD. .375"  
 WELDS 347 THRU 5

RHR DISCHARGE B

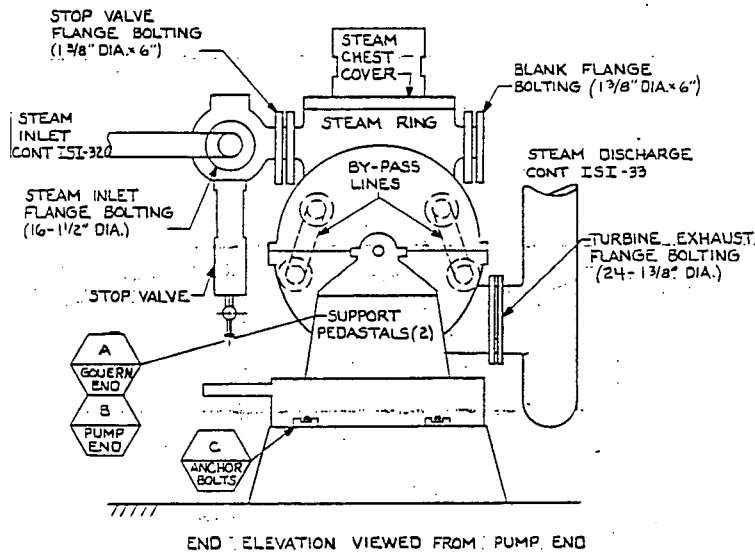
DWN. BY BM	CHKD. JB	APPD. JB
NSP		ISI
MONTICELLO		
RHR		
LINE NO°	NOTED	
MAT'L	A-106-GR. B/A-234-WPB	
DWG. NO°	ISI-43	REV 2

Reference Dwg. NX-13142-18



Reference Dwg. NX-13142-51,18& 37-1

DWN. BY BM	CHKD. JB	APPD. JB
NSP		ISI
MONTICELLO		
CONTAINMENT SPRAY A & B		
LINE N <sup>o</sup> NOTED		
MAT'L A-106-GR. B/A-234-WPB		
DWG. N <sup>o</sup> ISI-44		REV 3



MANUFACTURER: TERRY STEAM TURBINE CO.  
SERIAL NUMBER: 35932

CASE BOLTING	DIA.	LENGTH
HORIZONTAL FLANGE :	1 1/2	6
	1	12
	1	8
VERTICAL FLANGE :	1 1/4	7
	1 1/2	6
	1 1/2	12
STEAM CHEST COVER :	1	12
	1	8
	3/4	8
STEAM RING HORZ. FLG :	1 1/4	7
	1 1/4	12

HIGH PRESSURE COOLANT INJECTION (HPCI) TURBINE

DWN. BY BM      CHKD. JB      APPD. JB

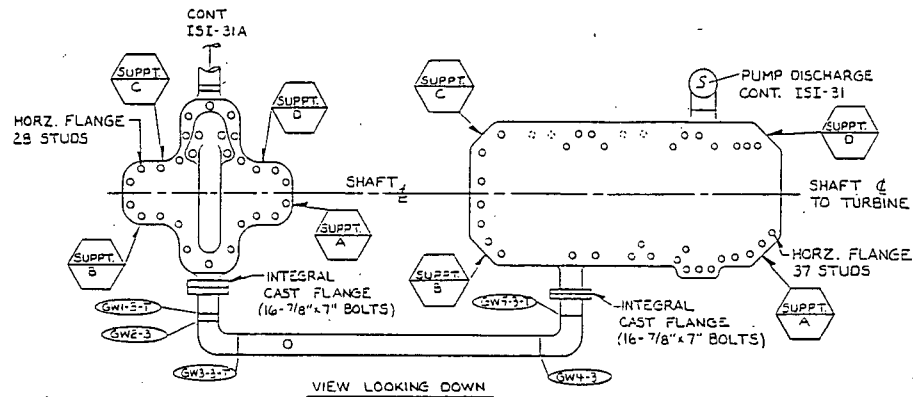
NSP  
MONTICELLO  
HPCI

ISI

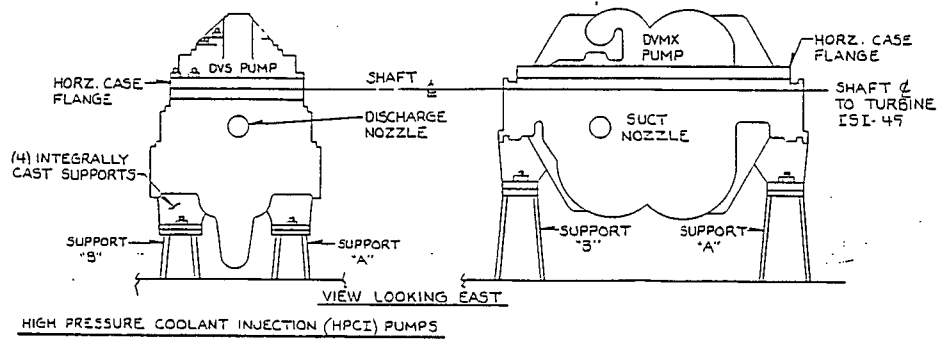
Reference Dwg. NX-8292-48 & 54

Dwg. No ISI-45

REV 1

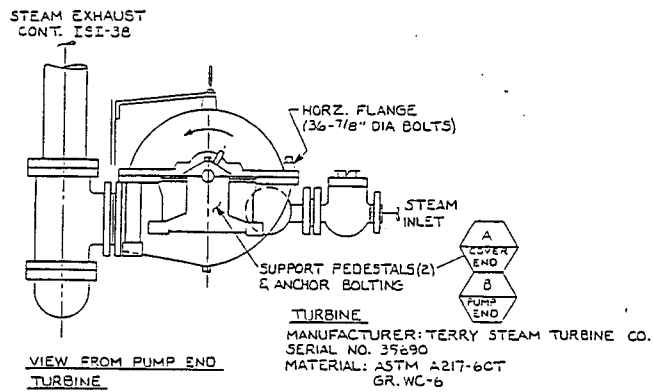
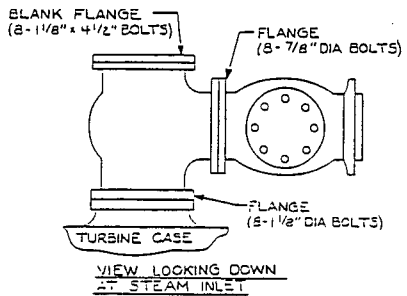


	<u>DVS</u>	<u>DVMX</u>
MANUFACTURERS:	BYRON JACKSON	BYRON JACKSON
SERIAL NO.	671-S-1122	671-S-1125
MATERIAL:	ASTM A216 GR. WCB	ASTM A216 GR. WCB

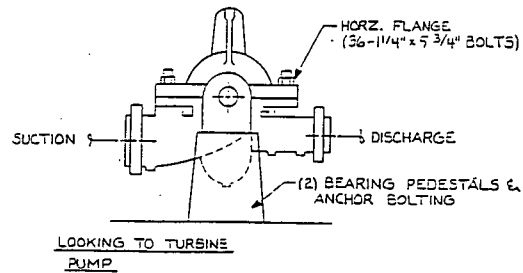
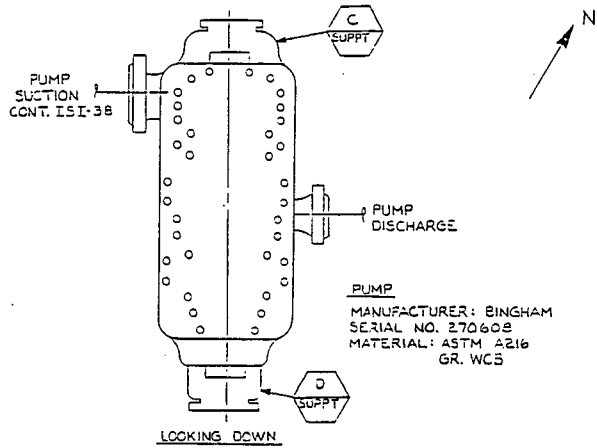


DWN. BY BM	CHKD. JB	APPD. JB
NSP		ISI
MONTICELLO		
HPCI		
Dwg. No <u>ISI-46</u>		REV 1

Reference Dwg. NX-8292-42



REACTOR CORE INJECTION COOLANT (RCIC) TURBINE & PUMP



DWN. BY BM    CHKD. JB    APPD. JB

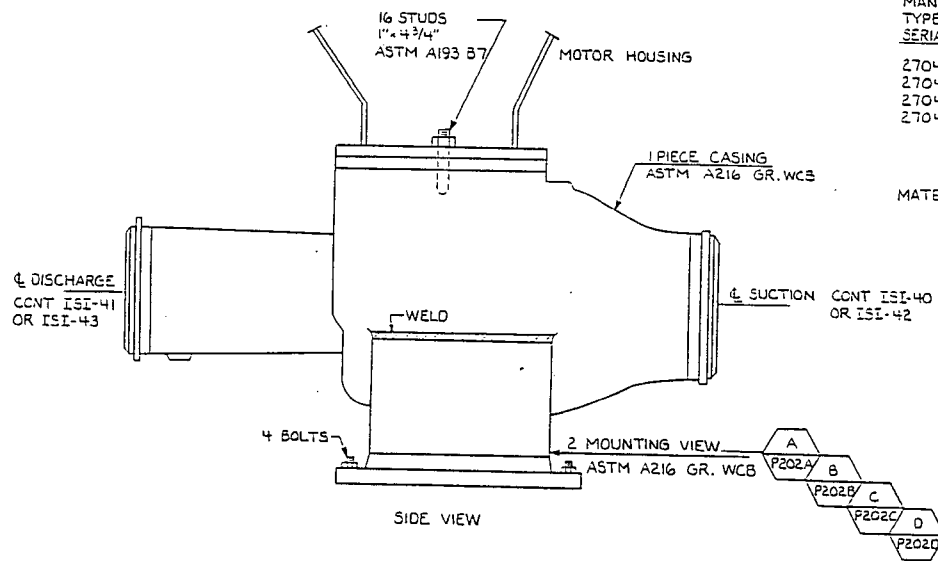
NSP  
MONTICELLO  
RCIC

ISI

DWG. NO ISI-47

REV 1





MANUFACTURER: BINGHAM  
 TYPE: 12x14x14.5 CVDS

SERIAL NO.	ITEM	ISG
270427	P202A	ISI-40,41
270428	P202C	ISI-40,41
270429	P202B	ISI-42,43
270430	P202D	ISI-42,43

MATERIAL: PUMP CASE  
 ASTM A216 GR. WCB  
MOUNTING FEET  
 ASTM A216 GR. WCB  
BOLTING  
 ASTM A193 GR. B7

RESIDUAL HEAT REMOVAL PUMPS

DWN. BY BM    CHKD. JB    APPD. JB

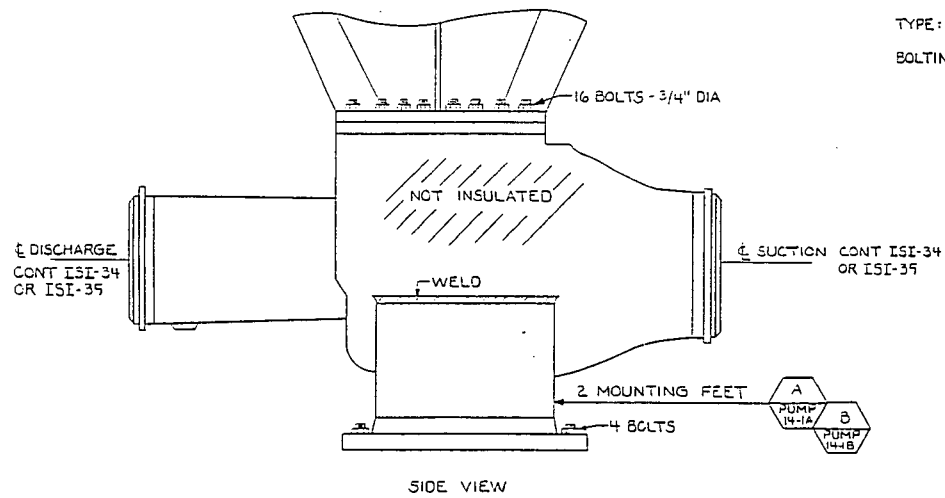
NSP  
 MONTICELLO  
 RHR

ISI

Reference Dwg. NX-7905-18

DWG. NO ISI-48

REV 1



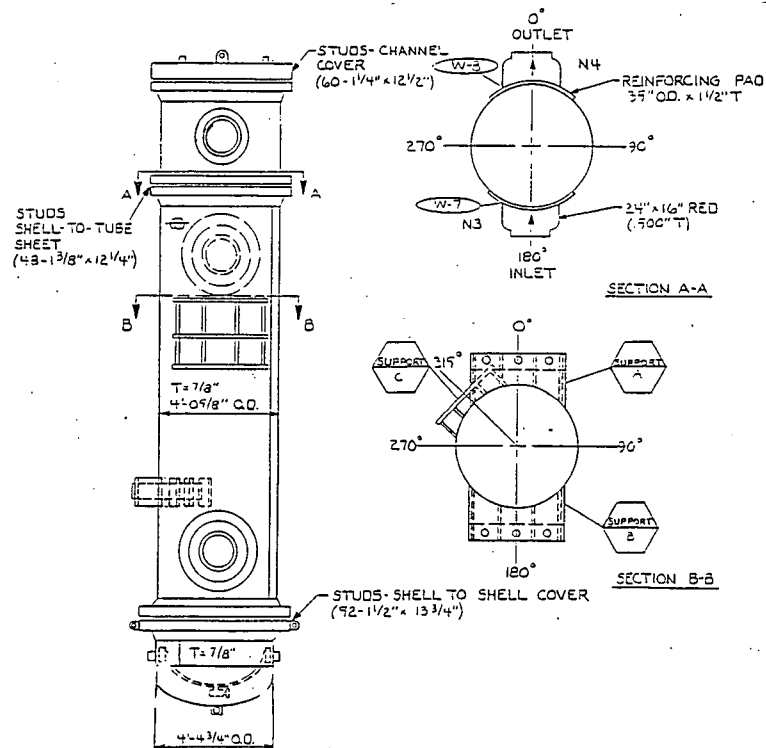
MANUFACTURER: BINGHAM  
 SERIAL NO.  
 270417 (14-1A)  
 (14-1B)  
 TYPE: 10 x 12 x 14.5 CVCS  
 BOLTING: 16 - 3/4" DIA

LCOP  
 A  
 B

CORE SPRAY PUMP

Reference Dwg. NX-7833-33

DWN. BY	BM	CHKD. BY	JB	APPD. BY	JB
NSP			ISI		
MONTICELLO					
CORE SPRAY					
Dwg. No ISI-49					REV 1



RESIDUAL HEAT REMOVAL - HEAT EXCHANGERS (TYPICAL)

MANUFACTURER: PERFEX  
 SERIAL NUMBER \_\_\_\_\_ ITEM NUMBER  
 \_\_\_\_\_ 10-2A(E200A)  
 \_\_\_\_\_ 10-2B(E200B)

MATERIAL: SHELL - A-212, GR. B  
 NOZZLES - A-234, GR. WPB  
 TUBE SHEET - A-515, GR. 70  
 STUDS - A-193, GR. B7

SPECIFICATION: 21A1036A6

Reference Dwg. NX-7905-32 (Manual)

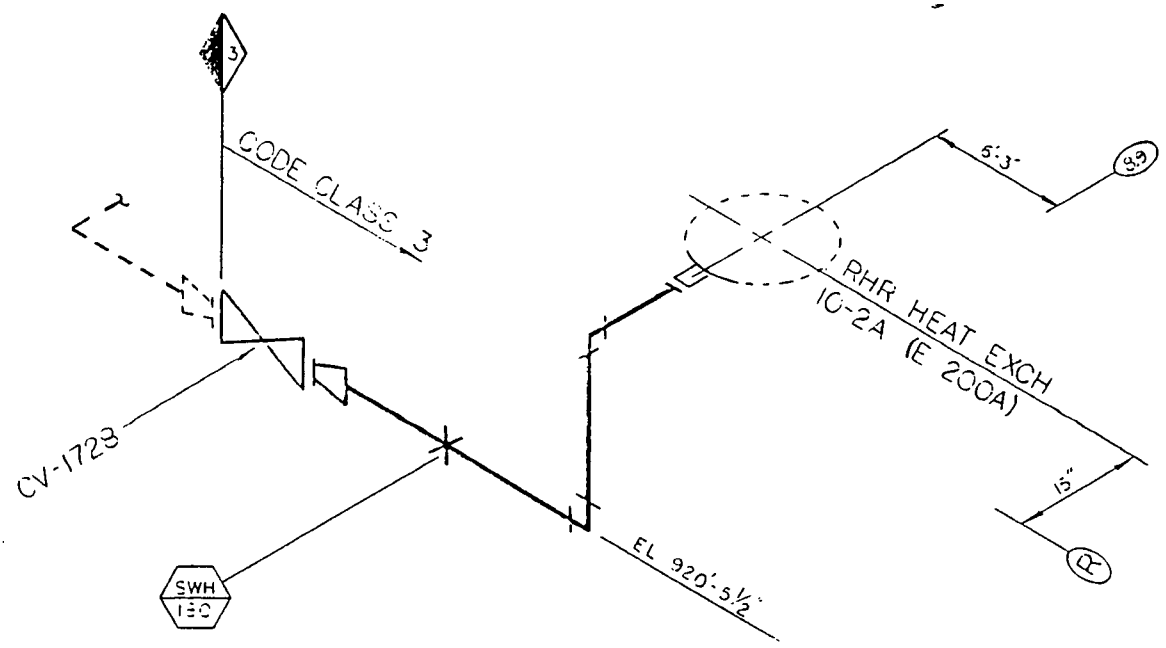
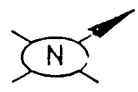
DWN. BY BM      CHKD. JB      APPD. JB

NSP  
 MONTICELLO  
 RHR

ISI

Dwg. No ISI-50

REV 1



 = HANGER NO.

RHR 'A' ROOM

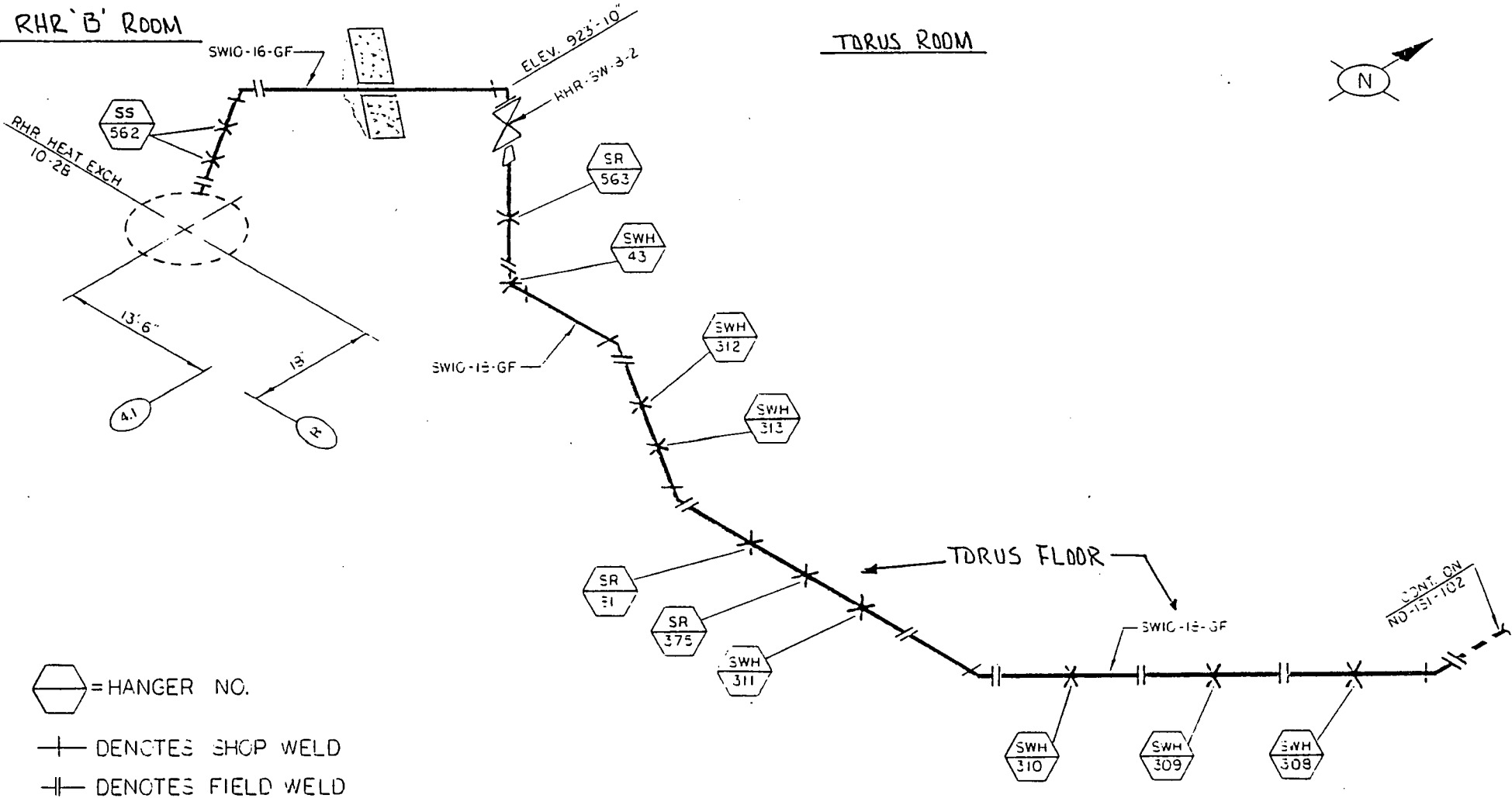
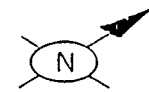
SERVICE WATER

CHK: LD APP: JB

REF DWG: A6346	LINE NO.: SW11-16"-GF	DWN: RW	DATE: 11-7-85
MONTICELLO NUCLEAR PLANT HANGER ISI PROGRAM - CCDE CLASS 3			
NORTHERN STATES POWER COMPANY ENGINEERING DEPARTMENT MINNEAPOLIS		SCALE N/A	REV. 0
ND- ISI-100			

RHR 'B' ROOM

TORUS ROOM



⬡ = HANGER NO.




⊕ — DENOTES SHOP WELD

⊕ — DENOTES FIELD WELD

SERVICE WATER

SWIO-18'-GF & SWIO-16'-GF		CHK:LD	APP:JB
REF DWG: A-424	LINE NO: AS NOTED	DWN: RW	DATE: 11-9-55
MONTICELLO NUCLEAR PLANT HANGER ISI PROGRAM - CCDE CLASS 3			
NORTHERN STATES POWER COMPANY ENGINEERING DEPARTMENT MINNEAPOLIS		SCALE 1 1/4" = 1'-0"	REV. 0
ND-151-101			



 = HANGER NO.  
 DENOTES SHOP WELD  
 DENOTES FIELD WELD

TURBINE BLDG.  
CONDENSER ROOM

CONT  
ND-151-110

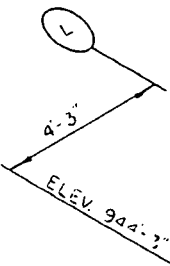
HPCI ROOM

\* INDICATES NO SUPPORTS  
REQ'D ON CONTINUATION

TORUS FLDR

TORUS ROOM

SERVICE WATER



CONT. ON  
ND-151-101

CHK: LD APP: JB

REF DWG: A6424 | LINE NO: SW10-12" GF | DWN: RW | DATE: 11-11-85

MONTICELLO NUCLEAR PLANT  
HANGER ISI PROGRAM - CODE CLASS 3

NORTHERN STATES POWER COMPANY  
ENGINEERING DEPARTMENT  
MINNEAPOLIS

SCALE N/A REV. C

ND-151-102

CONT. ON  
ND-ISI-104

SR  
396

SW9-12"GF

ELEV. 929'4"

SR  
394

SR  
395

SR  
24

SR  
459

RHR-SW-5-1

TORUS ROOM

RH-316-1

SR  
464

SW9-16"GF

ELEV 925'-2 1/2"

SWH  
161

RHR 'A' ROOM

RHR HEAT EXCH.  
10-2A

SW9-16"GF & SW9-18"GF

REF DWG: B-5452 | LINE NO: AS NOTED | DWN: RW | DATE: 11-12-65

MONTICELLO NUCLEAR PLANT  
HANGER ISI PROGRAM - CODE CLASS 3

NORTHERN STATES POWER COMPANY  
ENGINEERING DEPARTMENT  
MINNEAPOLIS

SCALE N/A | REV. 0

ND-ISI-103



 = HANGER NO.

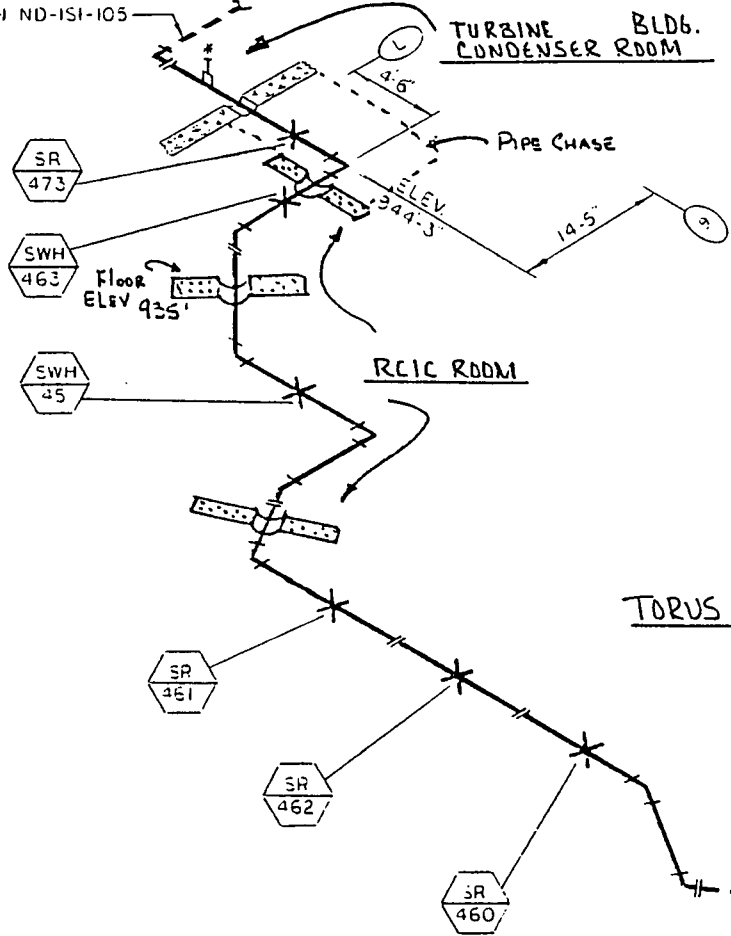
+ DENOTES SHOP WELD

-| DENOTES FIELD WELD

\* INDICATES NO SUPPORTS  
REQ'D ON CONTINUATION

SERVICE WATER

CONT ON ND-ISI-105



⬡ = HANGER NO.

—+— DENOTES SHOP WELD  
—||— DENOTES FIELD WELD

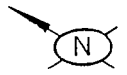
\* INDICATES NO SUPPORTS REQD ON CONTINUATION


SERVICE WATER

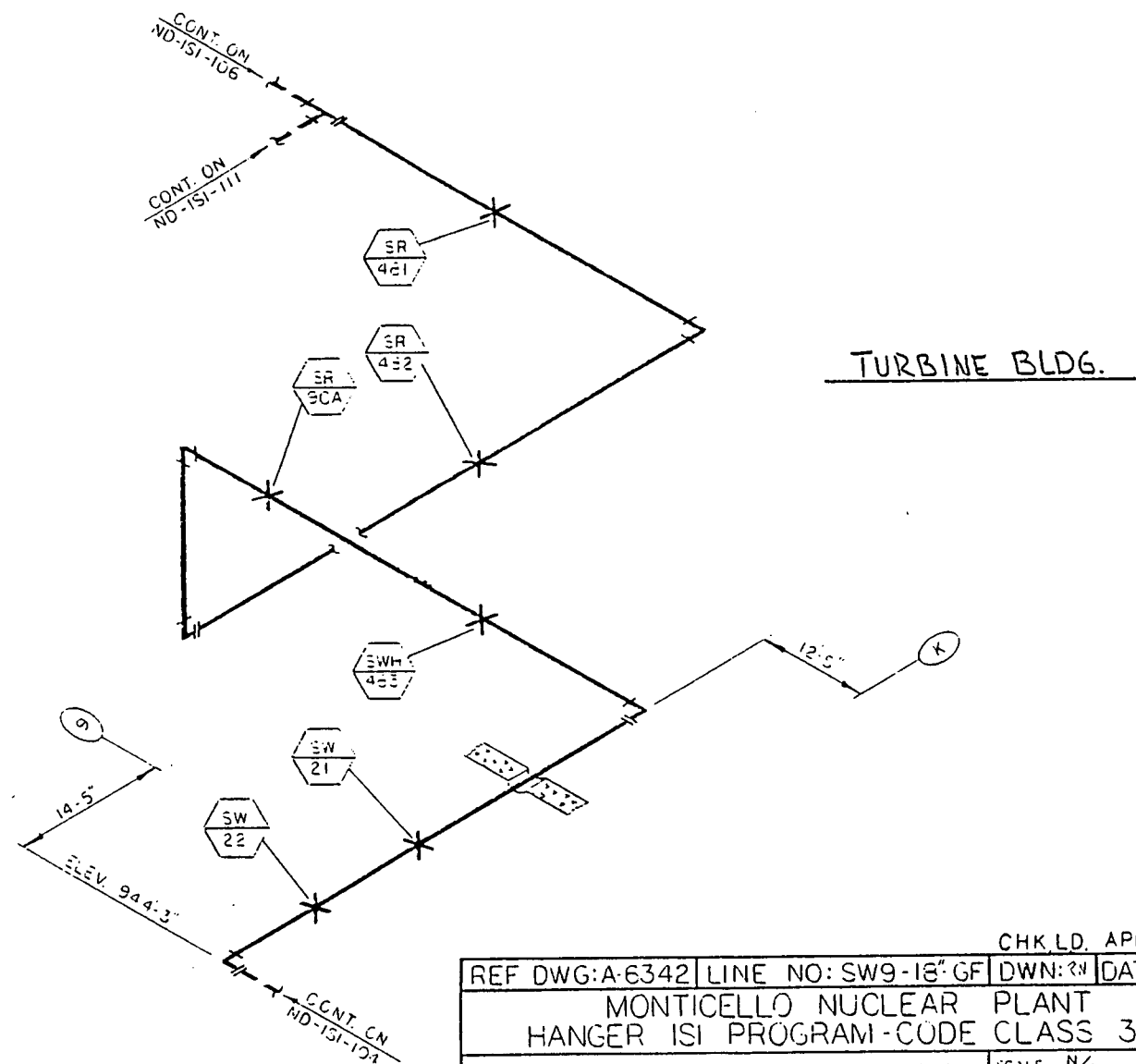
CHK:LD APP:JB

REF DWG: B-5452	LINE NO: SW9-18-GF	DWN: RW	DATE: 11-13-85
MONTICELLO NUCLEAR PLANT HANGER ISI PROGRAM - CODE CLASS 3			
NORTHERN STATES POWER COMPANY ENGINEERING DEPARTMENT MINNEAPOLIS		SCALE N/A	REV. 0
ND-ISI-104			





 = HANGER NO.  
+ DENOTES SHOP WELDS  
- DENOTES FIELD WELDS

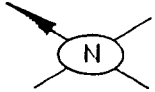


SERVICE WATER

TURBINE BLDG.

REF DWG: A-6342		LINE NO: SW9-18" GF	DWN: RN	DATE: 11-13-85
MONTICELLO NUCLEAR PLANT HANGER ISI PROGRAM-CODE CLASS 3				
NORTHERN STATES POWER COMPANY ENGINEERING DEPARTMENT MONTICELLO, VA			SCALE: N/A	REV. 0
ND-ISI-105				

CHK LD. APP JB



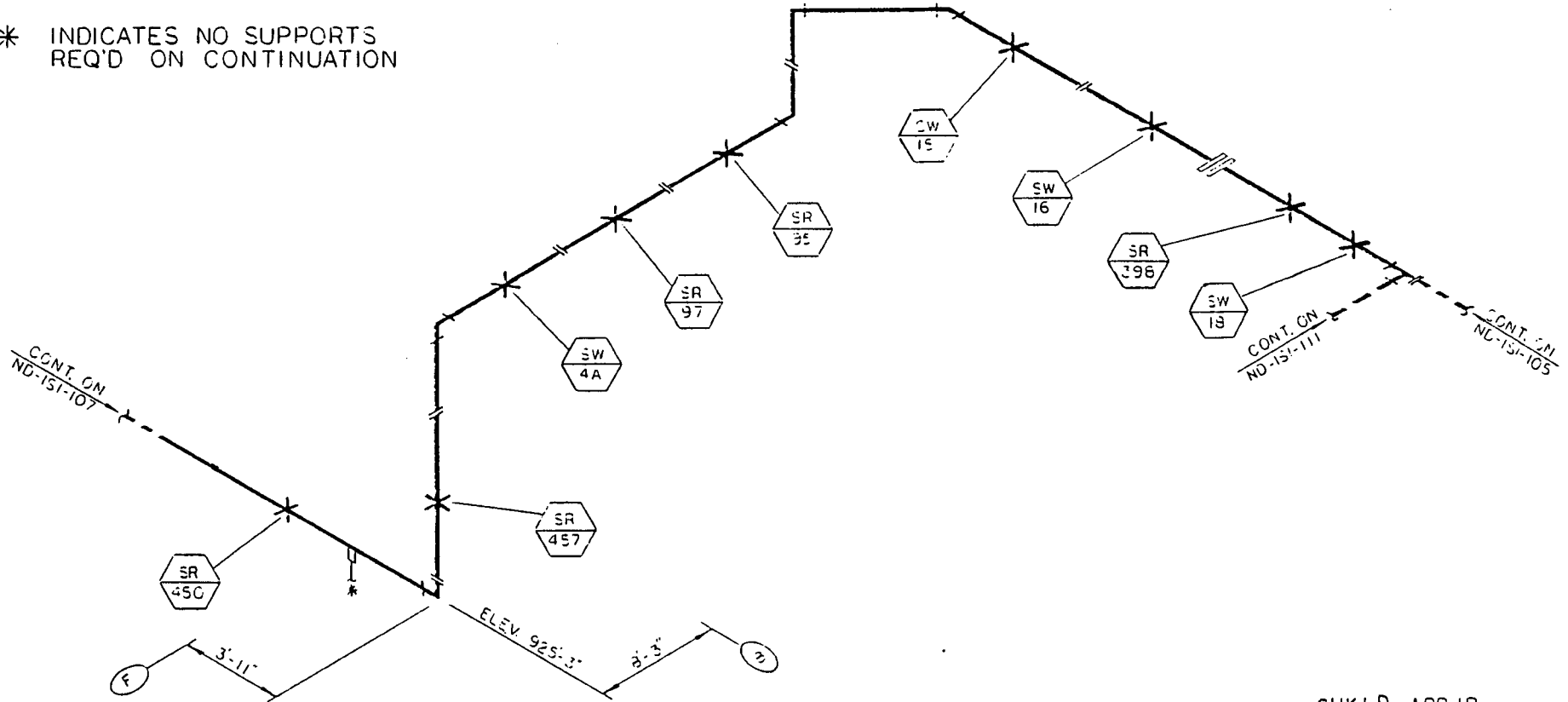
= HANGER NO.

+ DENOTES SHOP WELD

-| DENOTES FIELD WELD

\* INDICATES NO SUPPORTS REQ'D ON CONTINUATION

TURBINE BLDG.






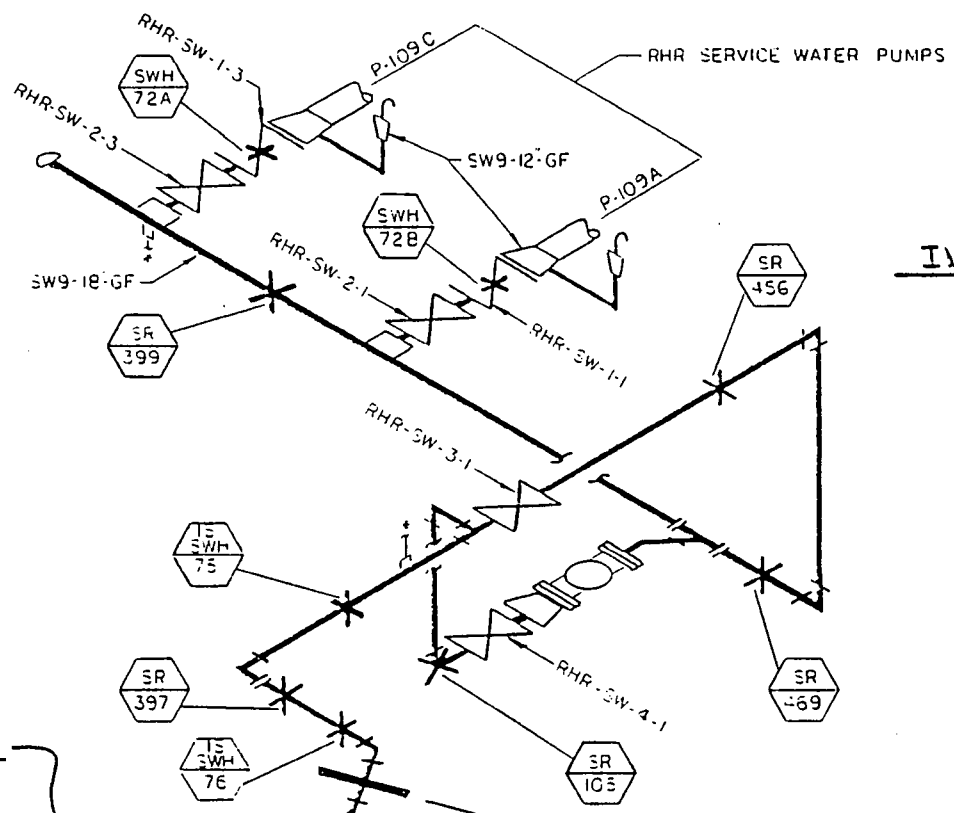
SERVICE WATER

CHKLD. APP JB.

REF DWG: A-6342	LINE NO: SW9-18" GF	DWN: SW	DATE: 11-14-85
MONTICELLO NUCLEAR PLANT			
HANGER ISI PROGRAM - CODE CLASS 3			
NORTHERN STATES POWER COMPANY		SCALE N/A	REV. 0
ENGINEERING DEPARTMENT		ND-151-106	
MINNEAPOLIS			



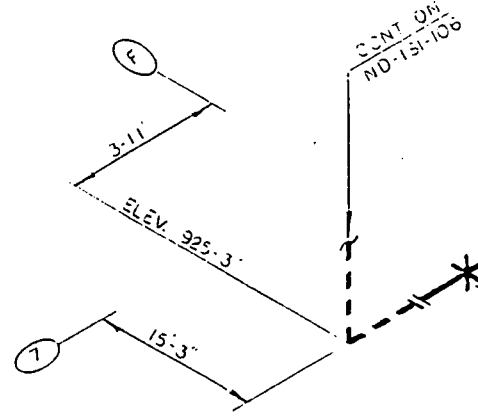
-  = HANGER NO
-  DENOTES SHOP WELD
-  DENOTES FIELD WELD
- \* INDICATES NO SUPPORTS REQ'D ON CONTINUATION



INTAKE STRUCTURE

SERVICE WATER

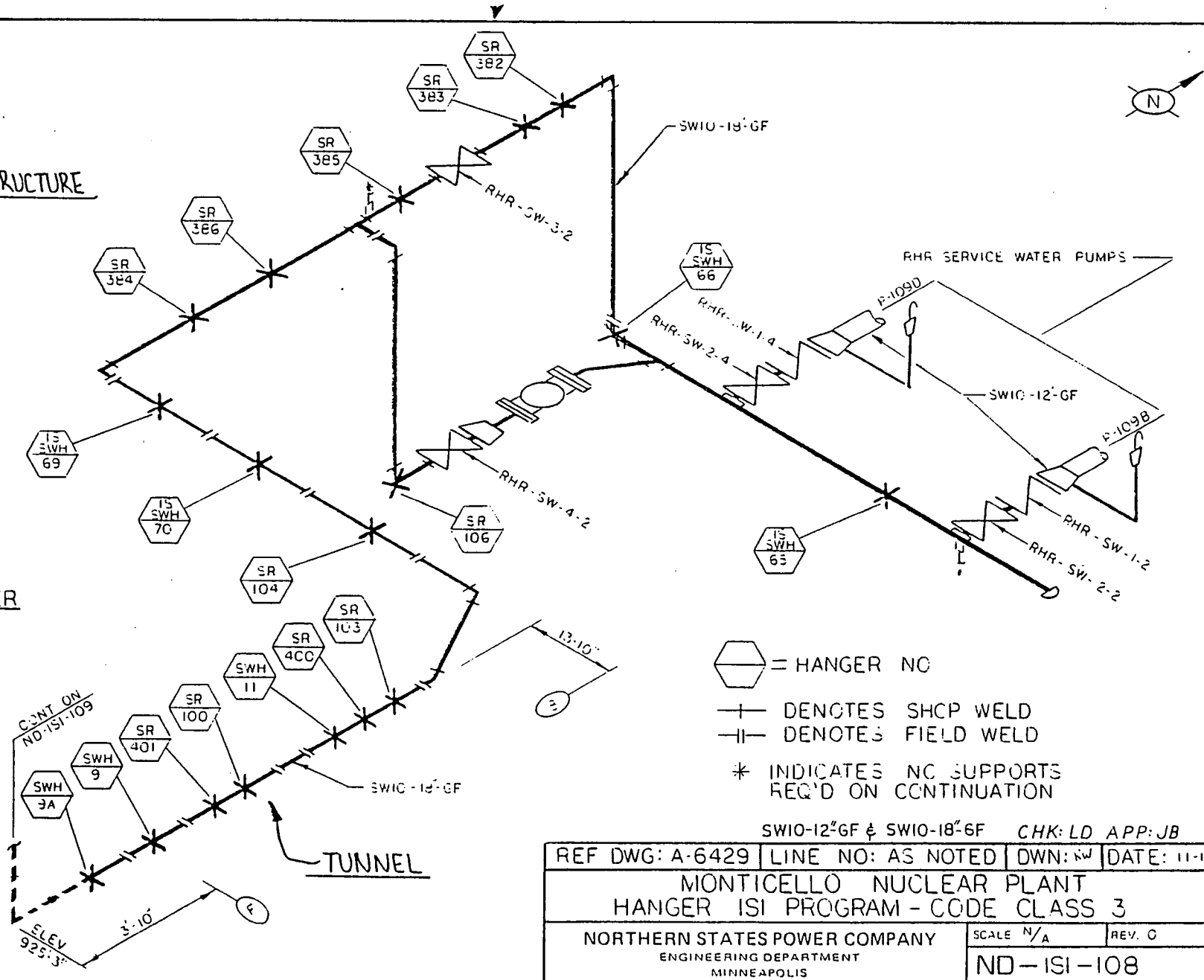
Door # 206  
ACCESS #3 REQ'D.



SW9-12"GF & SW9-18"GF		CHK.LD.	APP. JB
REF DWG: A-6429	LINE NO: AS NOTED	DWN: RM	DATE: 11-15-85
MONTICELLO NUCLEAR PLANT HANGER ISI PROGRAM-CODE CLASS 3			
NORTHERN STATES POWER COMPANY		SCALE N/A	REV. 0
ENGINEERING DEPARTMENT MINNEAPOLIS		ND-131-107	

INTAKE STRUCTURE

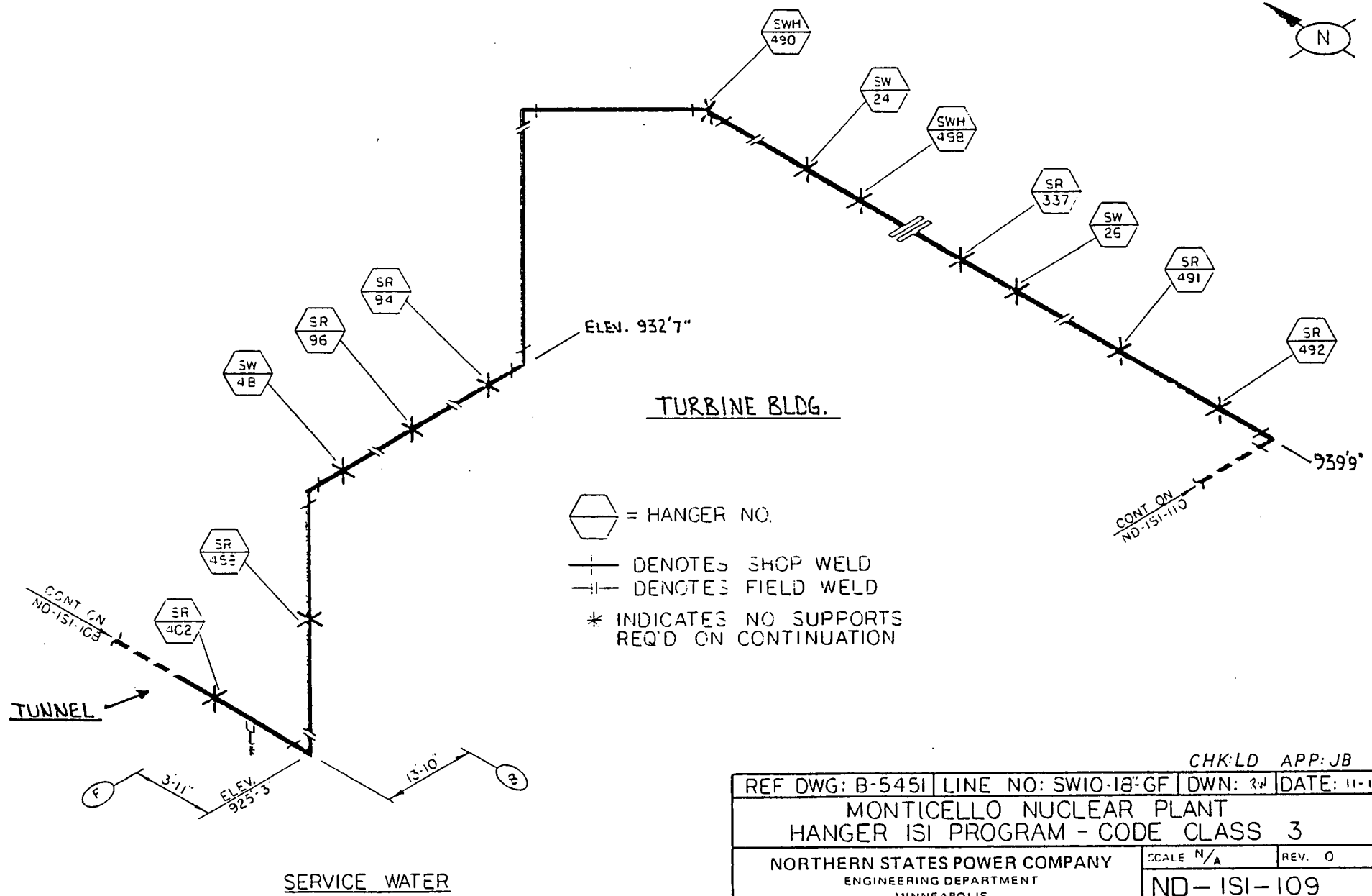
SERVICE WATER






- = HANGER NO
- DENOTES SHCP WELD
- DENOTES FIELD WELD
- \* INDICATES NO SUPPORTS REQ'D ON CONTINUATION

SWIO-12' GF & SWIO-18' GF CHK: LD APP: JB

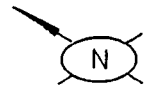
REF DWG: A-6429	LINE NO: AS NOTED	DWN: KW	DATE: 11-15-85
MONTICELLO NUCLEAR PLANT HANGER ISI PROGRAM - CODE CLASS 3			
NORTHERN STATES POWER COMPANY ENGINEERING DEPARTMENT MINNEAPOLIS		SCALE N/A	REV. C
ND-151-108			



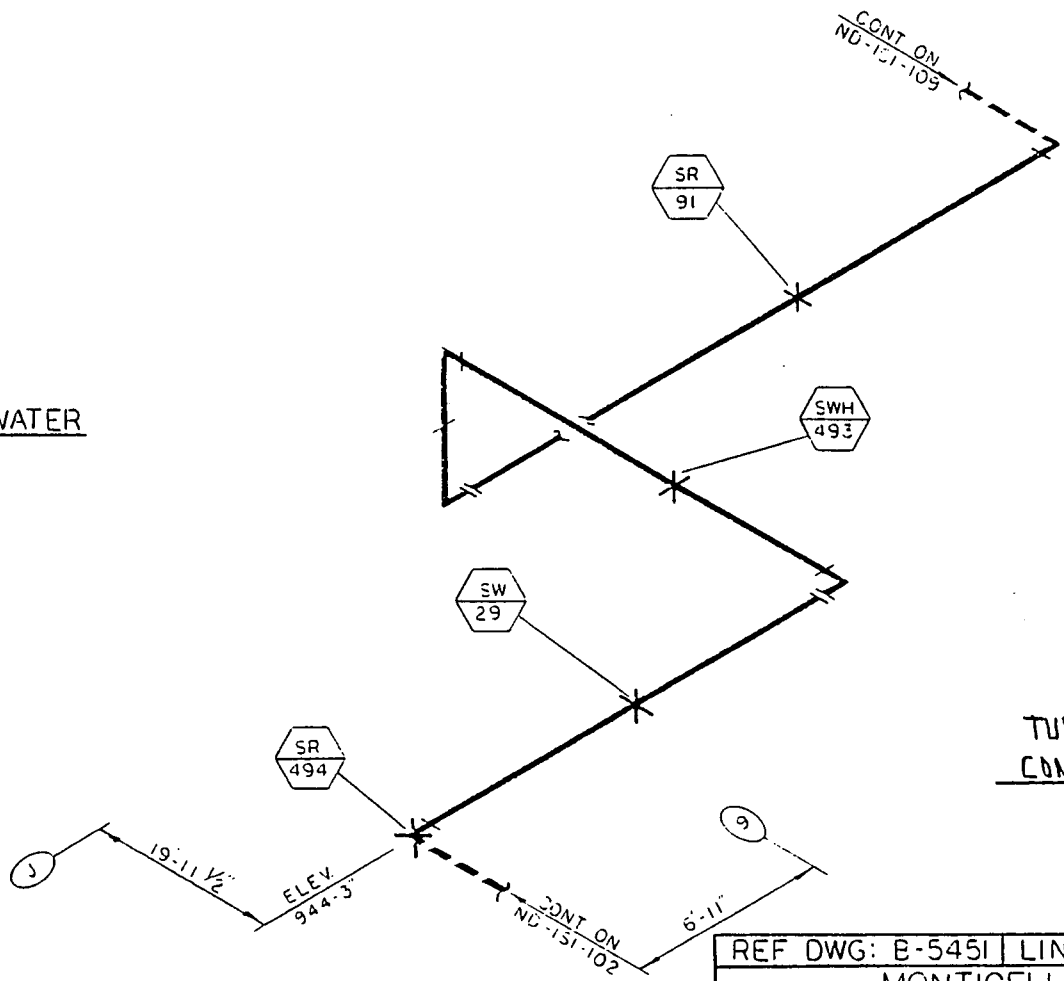
 = HANGER NO.  
 DENOTES SHOP WELD  
 DENOTES FIELD WELD  
 \* INDICATES NO SUPPORTS REQ'D ON CONTINUATION


REF DWG: B-5451		LINE NO: SWIO-18-GF	DWN: RW	DATE: 11-19-85
MONTICELLO NUCLEAR PLANT HANGER ISI PROGRAM - CODE CLASS 3				
NORTHERN STATES POWER COMPANY ENGINEERING DEPARTMENT MINNEAPOLIS			SCALE N/A	REV. 0
ND-151-109				

CHK:LD APP:JB



SERVICE WATER

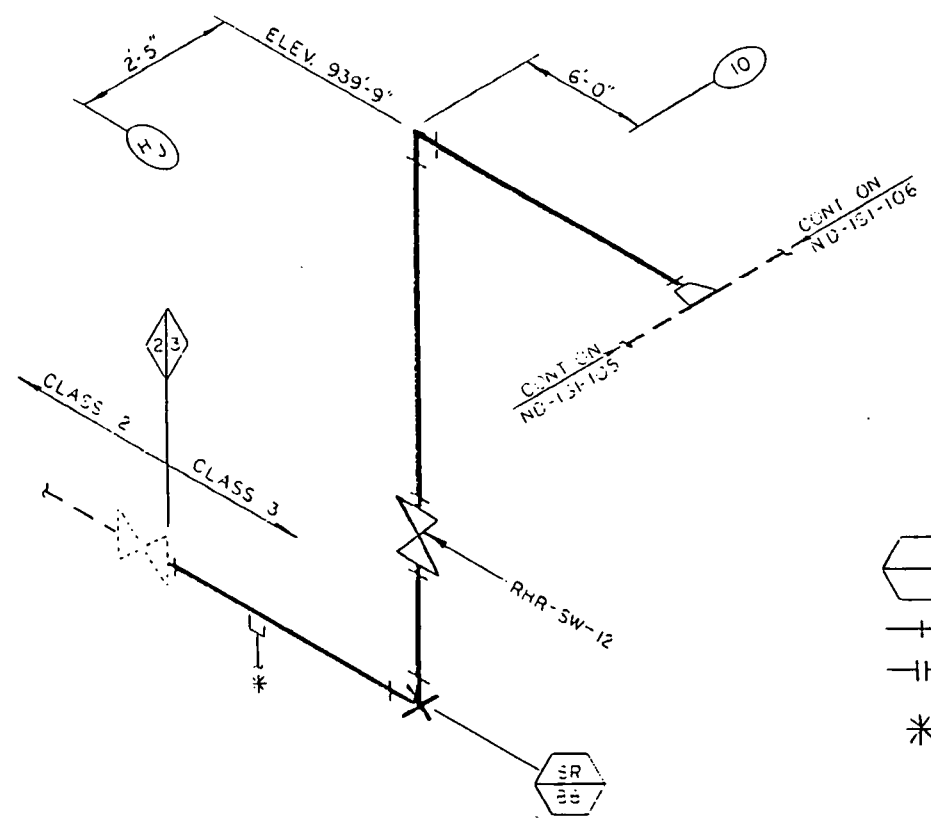
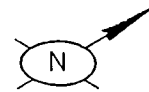


 = HANGER NO  
+ denotes SHOP WELD  
-| denotes FIELD WELD

TURBINE BLDG.  
CONDENSER ROOM




CHK: LD APP: JB

REF DWG: B-5451	LINE NO: SW10-18" GF	DWN: KW	DATE: 11-19-55
MONTICELLO NUCLEAR PLANT			
HANGER ISI PROGRAM CODE CLASS 3			
NORTHERN STATES POWER COMPANY		SCALE N/A	REV. 0
ENGINEERING DEPARTMENT MINNEAPOLIS		ND-151-110	

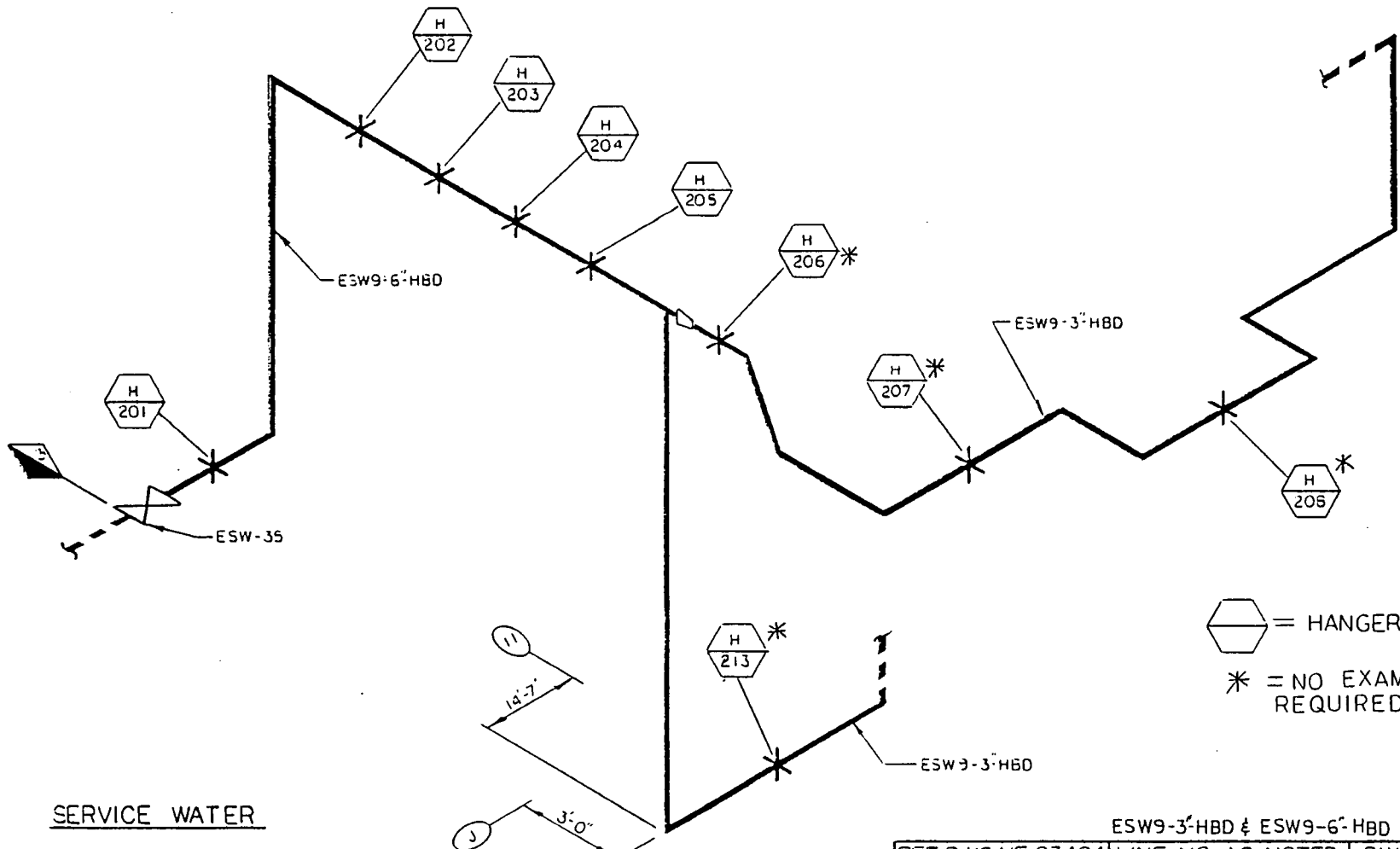


TURBINE BLDG.


SERVICE WATER

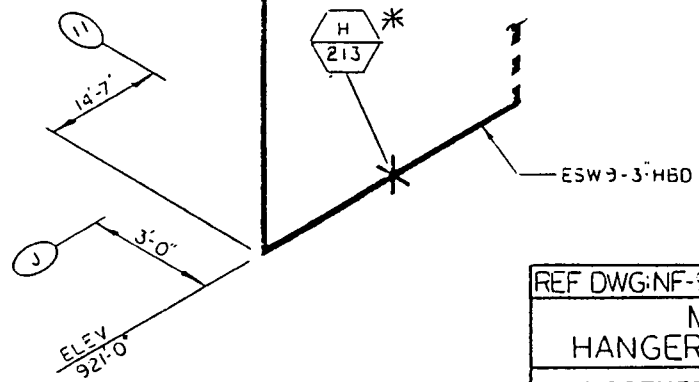
-  = HANGER NO.
-  DENOTES SHOP WELD
-  DENOTES FIELD WELD
- \* INDICATES NO SUPPORTS REQ'D ON CONTINUATION

CHK:LD APP:JB			
REF DWG: A-6422	LINE NO: SW9-8-GF	DWN: RW	DATE: 11-20-55
MONTICELLO NUCLEAR PLANT HANGER ISI PROGRAM - CODE CLASS 3			
NORTHERN STATES POWER COMPANY ENGINEERING DEPARTMENT MINNEAPOLIS		SCALE N/A	REV. 3
		ND-131-111	



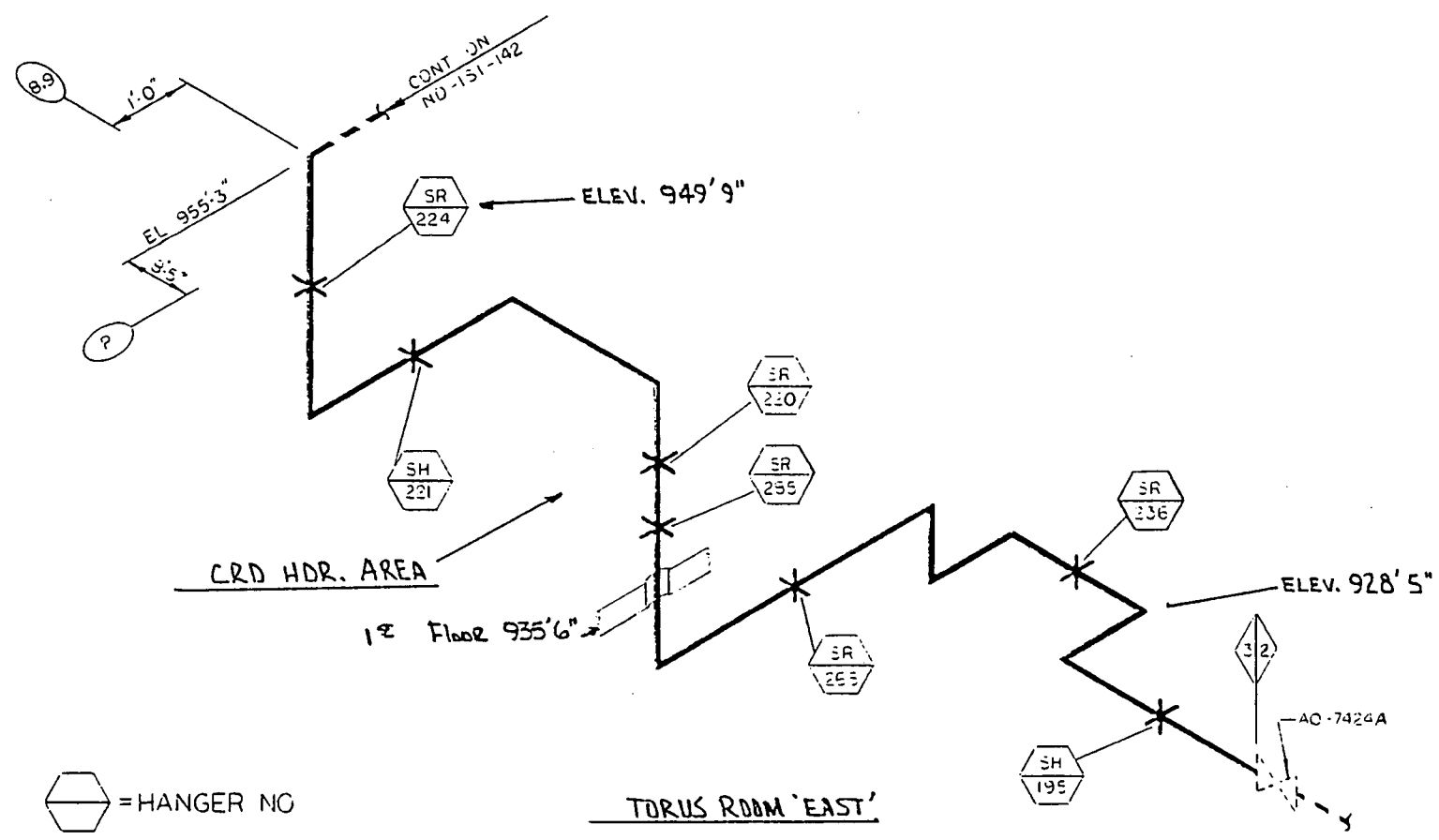
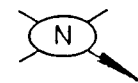
SERVICE WATER

 = HANGER NO.  
 \* = NO EXAM REQUIRED



ESW9-3'HBD & ESW9-6'HBD		CHK: LD	APP: JB
REF DWG: NF-93484	LINE NO: AS-NOTED	DWN: RW	DATE: 2-10-86
MONTICELLO NUCLEAR PLANT HANGER ISI PROGRAM - CODE CLASS 3			
NORTHERN STATES POWER COMPANY ENGINEERING DEPARTMENT MINNEAPOLIS		SCALE: N/A	REV: 0
ND-1SI-123			



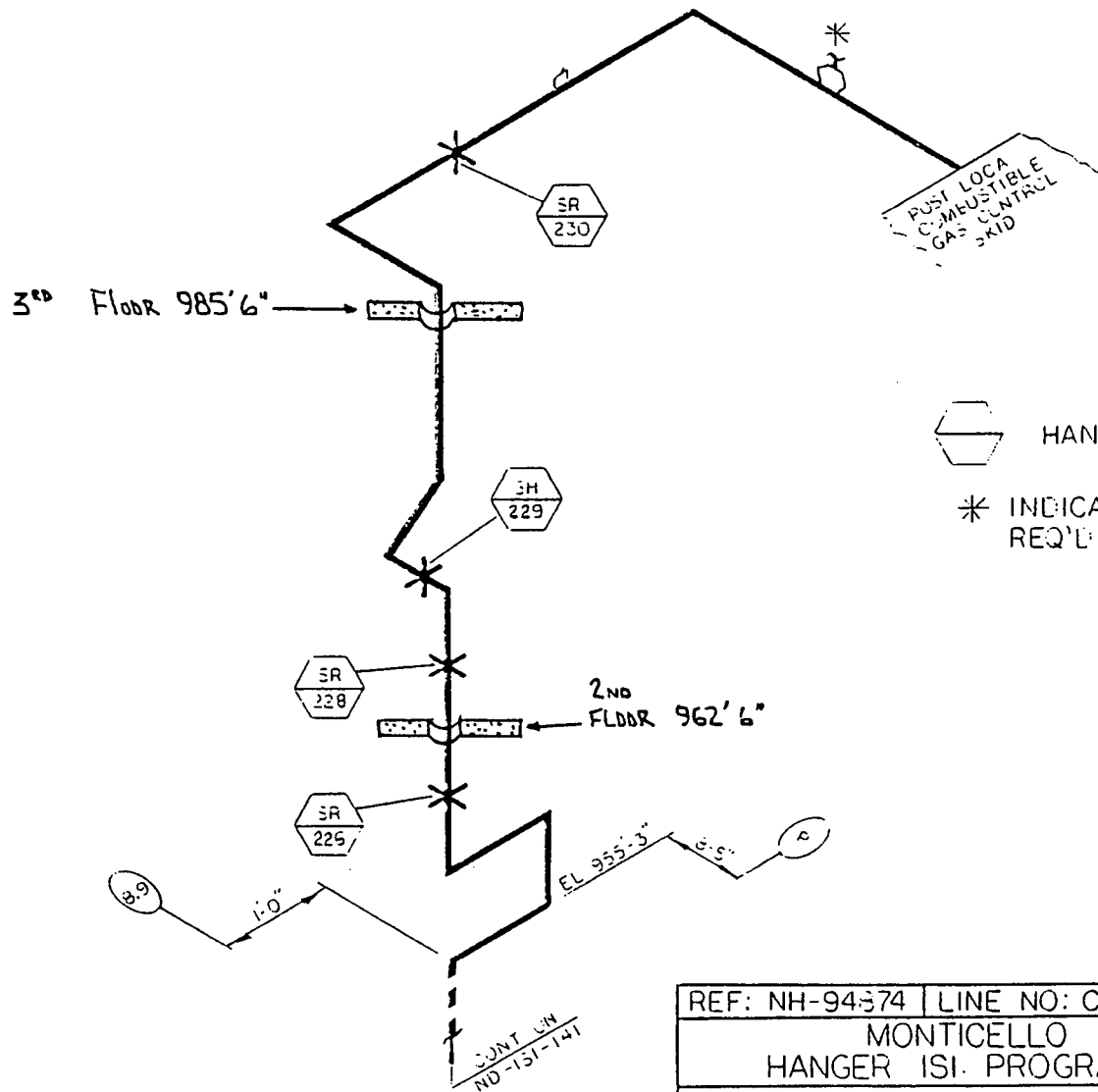
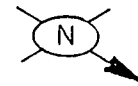


 = HANGER NO

COMBUSTIBLE GAS CONTROL

REF: NH-94875		LINE NO: CGC2A-6" CA	DWN: 20	DATE: 5-7-76
MONTICELLO NUCLEAR PLANT HANGER ISI PROGRAM - CODE CLASS 3				
NORTHERN STATES POWER COMPANY ENGINEERING DEPARTMENT MINNEAPOLIS			SCALE: N/A	REV: G
ND-151-141				

CHK: LD APP: JB



 HANGER NO

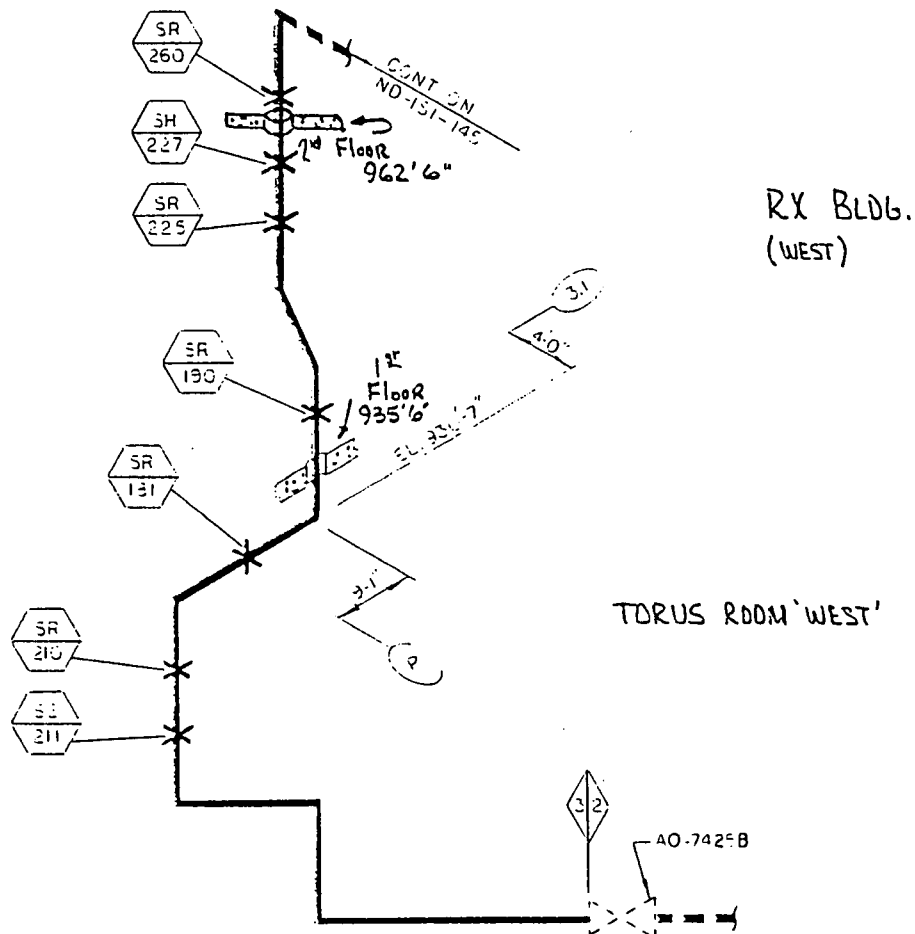
\* INDICATES NO SUPPORTS REQ'D ON CONTINUATION

COMBUSTIBLE GAS CONTROL

CHK:LD APP:JB			
REF: NH-94874	LINE NO: CGC2A-6-CA	DWN: GW	DATE: 5-7-86
MONTICELLO NUCLEAR PLANT HANGER ISI PROGRAM CODE CLASS 3			
NORTHERN STATES POWER COMPANY ENGINEERING DEPARTMENT MINNEAPOLIS		SCALE N/A	REV. 3
ND-151-142			



 = HANGER NO.

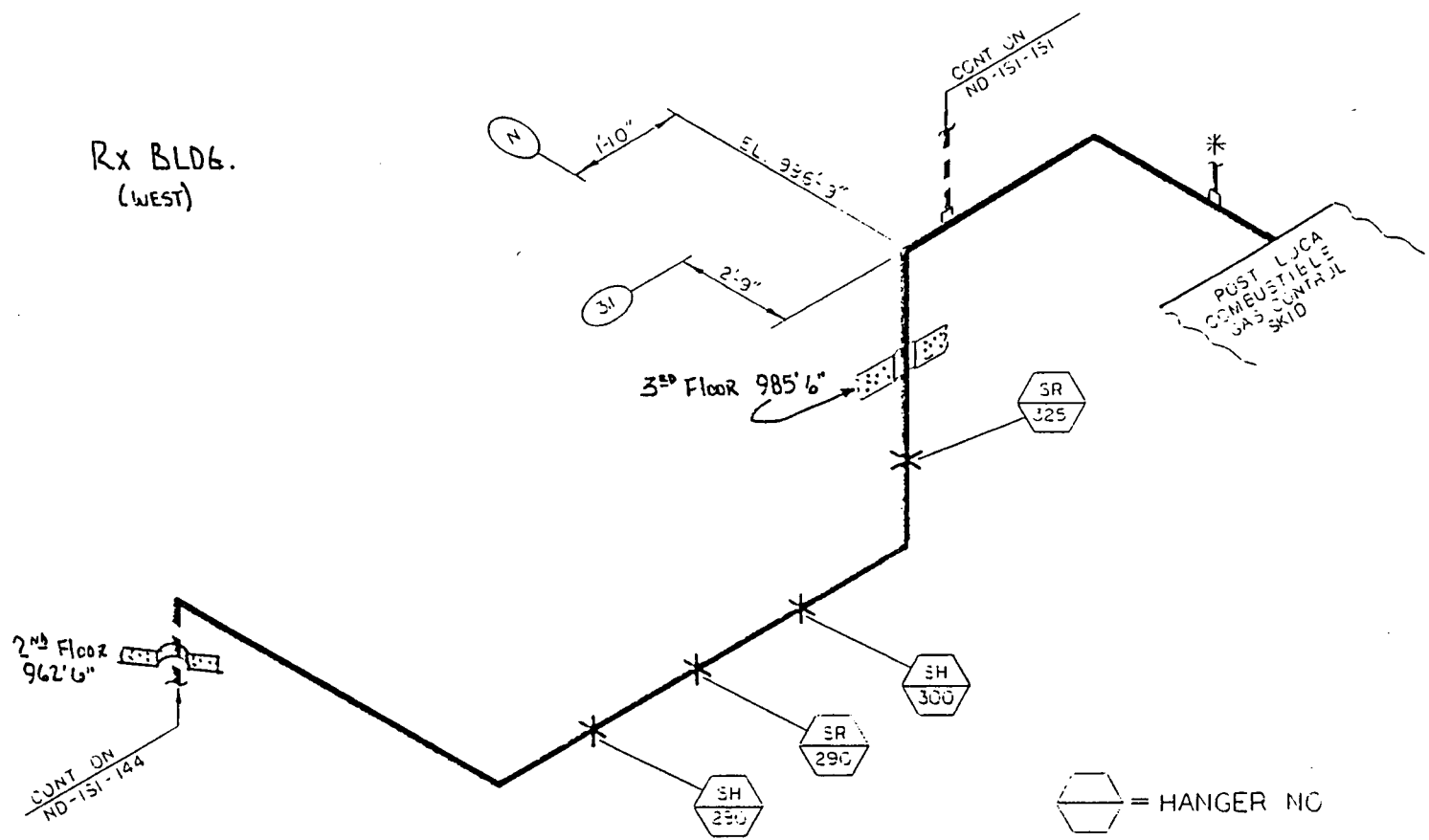


COMBUSTIBLE GAS CONTROL

REF: NH-94373		LINE NO: CGC2B-6'CA	DWN: RW	DATE: 5-2-56
MONTICELLO NUCLEAR PLANT HANGER ISI PROGRAM CODE CLASS 3				
NORTHERN STATES POWER COMPANY ENGINEERING DEPARTMENT MINNEAPOLIS			SCALE N/A	REV. 0
ND-151-144				

CHK:LD APP:JB

Rx BLDG.  
(WEST)

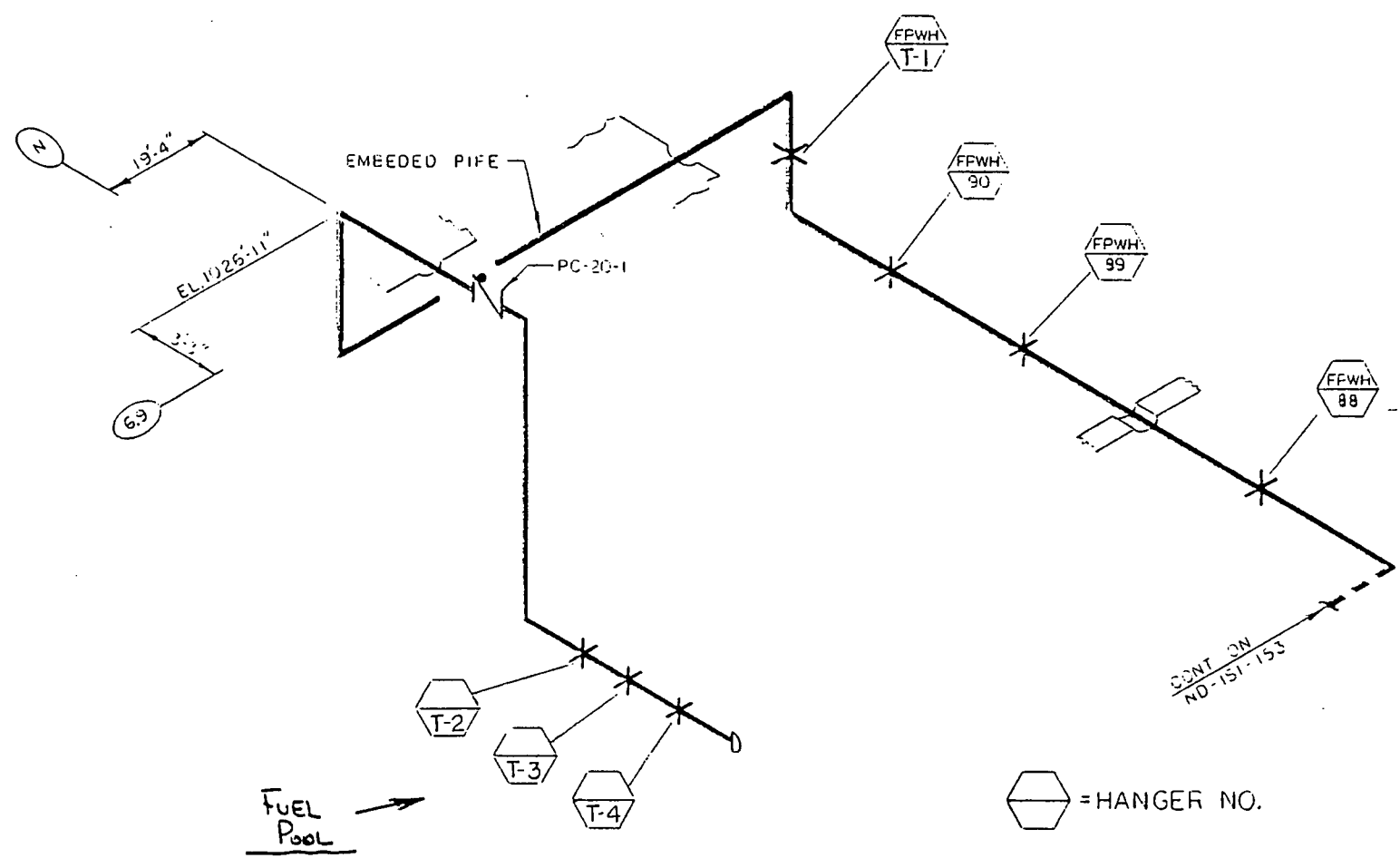
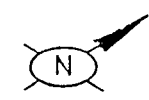


= HANGER NO

\* INDICATES NO SUPPORTS  
REQ'D ON CONTINUATION

COMBUSTIBLE GAS CONTROL

REF: NH-94E73		LINE NO: CGC2B-6"-CA		CHK.LD.	APP.JB.
DWN: W		DATE: 8-2-86			
MONTICELLO NUCLEAR PLANT HANGER ISI PROGRAM - CODE CLASS 3					
NORTHERN STATES POWER COMPANY ENGINEERING DEPARTMENT MINNEAPOLIS				SCALE	REV. 0
				N/A	
ND-151-145					

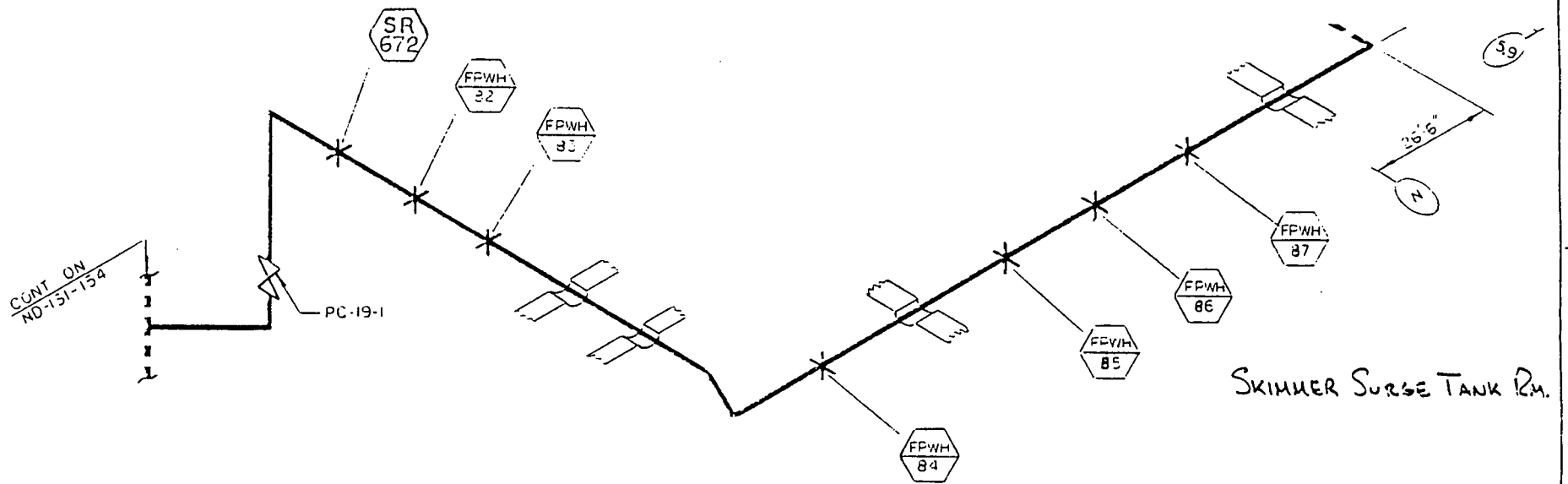


 = HANGER NO.

FUEL POOL WATER

REF: NF-36507		LINE NO: FPWIOA-6-HK	DWN: R.V.	DATE: 5-23-56
MONTICELLO NUCLEAR PLANT HANGER ISI PROGRAM - CODE CLASS 3				
NORTHERN STATES POWER COMPANY ENGINEERING DEPARTMENT MINNEAPOLIS			SCALE N/A	REV. 0
ND-151-152				

 = HANGER NO.



FUEL POOL WATER

CHK.LD. APP.JB.

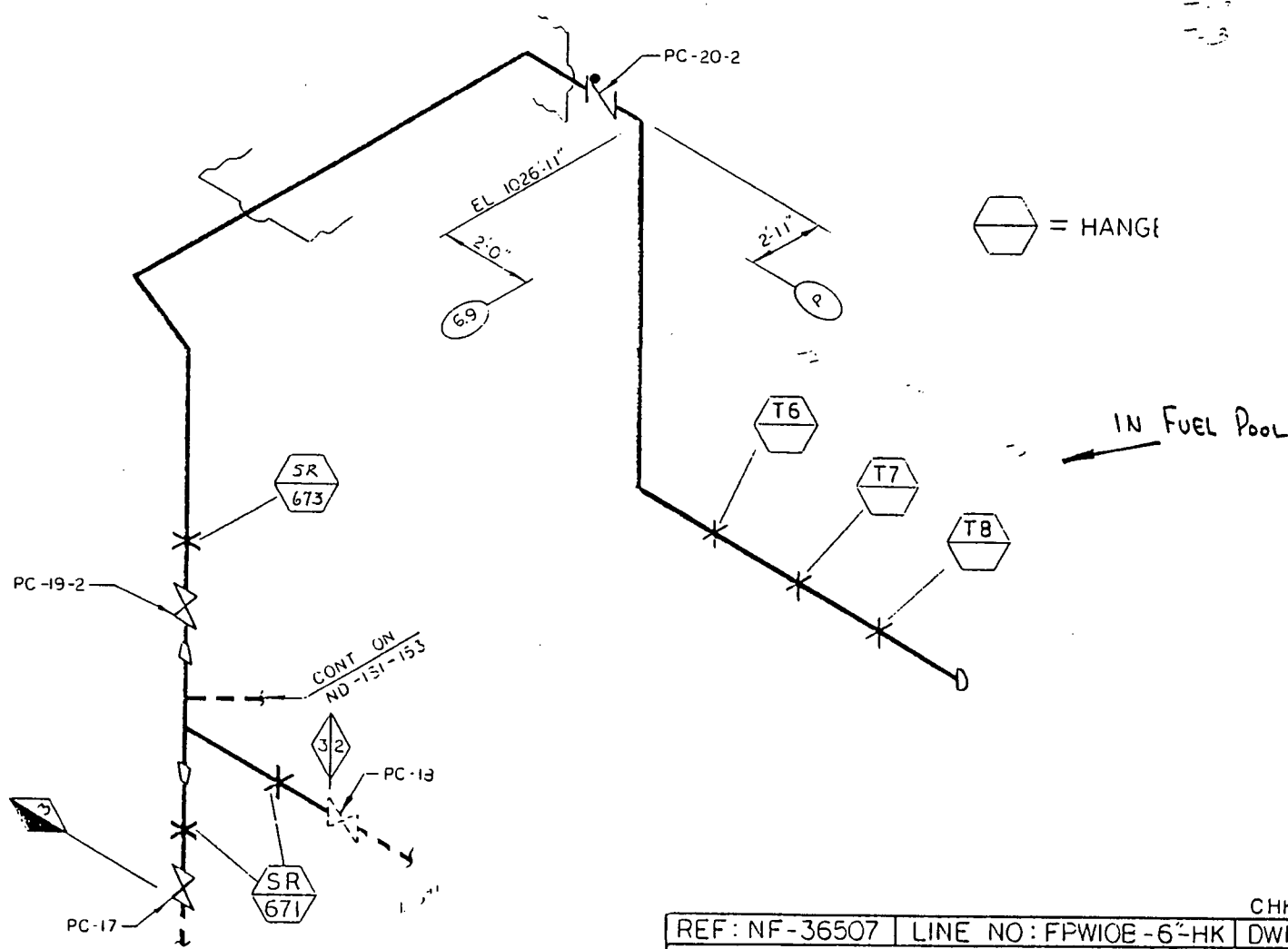
REF: NF-36507 | LINE NO: FPWIOA-6"HK | DWN: 2.7 | DATE: 5-23-86

MONTICELLO NUCLEAR PLANT  
HANGER ISI PROGRAM - CODE CLASS 3

NORTHERN STATES POWER COMPANY  
ENGINEERING DEPARTMENT  
MINNEAPOLIS

SCALE N/A | REV. 0  
ND-151-153

SR-671 - 1/2" PIPES  
 T-6 - 1/2" PIPES  
 T-8



FUEL POOL WATER

REF: NF-36507		LINE NO: FPWIOE-6"-HK		CHK.LD	APP.JB.
		DWN: RW		DATE: 5-30-66	
MONTICELLO NUCLEAR PLANT HANGER ISI PROGRAM CODE CLASS 3					
NORTHERN STATES POWER COMPANY ENGINEERING DEPARTMENT MINNEAPOLIS				SCALE N/A	REV. 0
ND-151-154					