

NORTHERN STATES POWER COMPANY
MONTICELLO NUCLEAR GENERATING PLANT
2807 WEST HIGHWAY 75
MONTICELLO, MINNESOTA 55362

INSERVICE INSPECTION
EXAMINATION PLAN
REVISION 1

THIRD INTERVAL
JUNE 1, 1992 THROUGH MAY 31, 2002

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Jeff Ricker

Date: 7/23/93

RECORD OF REVISIONS

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1.2-1 and 1.2-2	Revision 1
1.3-1	Revision 1
1.4-1 through 1.4-9	Revision 1
1.5-1	Revision 1
1.5-2 through 1.5-5	Revision 0
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INTRODUCTION

The ASME Code Section XI Inservice Inspection (ISI) Program is prepared and maintained by the Materials and Special Processes Section of Northern States Power Company's Power Generation Division. The ASME Code Section XI Inservice Testing (IST) Program is prepared and maintained by the Monticello Plant Staff; the IST program has been submitted under separate cover.

The Monticello Third Ten Year Inservice Inspection Interval is from June 1, 1992 to May 31, 2002. Six refueling and maintenance outages are scheduled in this time frame. Components have been identified using the 1986 Edition of the ASME Code, Section XI. Portions of the 1974 Edition, Summer 1975 Addenda to the Code are applicable to the Class 1 components. This can be summarized as follows:

Class 1 (Quality Group A)	74 S75 Section XI and 86 Section XI
Class 2 (Quality Group B)	86 Section XI
Class 3 (Quality Group C)	86 Section XI
NF (Hangers)	86 Section XI
MC (Metal Containment)	No Section XI Examination Planned

The examination plan and schedule was developed from ASME Code requirements, individual component examination history and plant scheduling needs such as optimizing insulation removal and scaffolding needs. During the second interval, a substantial number of component replacements and alterations were made (e.g. the recirculation piping replacement). The intent of the third interval scheduling was to be consistent with the second interval, subject to allowing meaningful accumulation of service time for new components.

Examination of Class 1 and Class 2 components will be in accordance with requirements listed in Table IWB-2500-1 and Table IWC-2500-1, respectively, of the Code, 1986 Edition, except where relief has been requested.

Class 1, Class 2 and Class 3 hangers have been identified in accordance with IWB, IWC and IWD, respectively. Hanger examination will be completed in accordance with ASME Section XI, Subsection IWF. Integral attachments will be examined in accordance with the appropriate section of the Code.

Inservice inspection examinations are performed by suitably qualified and certified personnel using suitably written procedures to the 1986 Edition of the Code.

The Section XI Repair and Replacement Program, System Pressure Tests and Snubber Functional Tests are administered by the Monticello Plant Staff. Relief requests in these areas are included in this program.

Activities under the Repair and Replacement Program, System Pressure Tests and Snubber Functional Tests are reported in the "Inservice Inspection Summary Report" following each refueling outage.

The ASME Section XI Inservice Inspection Program is six parts: Introduction; Source Documents; Requests for Relief; ISI Boundary Drawings; ISI Isometric Drawings; and a table containing the Inservice Inspection Examination Plan and Schedule. The ISI Boundary Drawings outline Quality Group Classifications, A, B and C. The ISI Isometric Drawings delineate ASME Section XI components or items that are included in the program.

The Inservice Inspection Examination Plan and Schedule list the ASME Section XI components by isometric drawing number, system, item and item description. The examination plan and schedule identify the ASME Section XI Item Number listed in Tables IWB-2500-1, IWC-2500-1 and Subsection IWF, thus identifying the examination method. The examination schedule lists the anticipated year for the examination of a given component. The examination schedule is intended to be flexible to allow for deviations in outage length and outage work scope. Therefore, the schedule may be changed, as allowable by the Code, without further notification.

Monticello was built prior to the implementation of Section XI Access Requirements. As a result, some components that require examination may not be completely accessible.

SOURCE DOCUMENTS

10CFR50.55a (53FR16051)

1974 Summer 75 B&PV Code Section XI

1986 B&PV Code Section XI

NUREG 0619 Rev. 1 (BWR FW and CRDRL Nozzle Cracking (M-667, 668, 796, 797))

NUREG/CR 3052 (Jet Pump Beam UT (M-664))

Generic Letter 88-01 & NUREG 0313, Rev 2 (IGSCC (M-542, 544))

Note: All Monticello welds meet NUREG-0313, Rev. 2.

Regulatory Guide 1.150, Rev. 1 & Generic Letter 83-15

Regulatory Guide 1.58, Rev. 1

Regulatory Guide 1.147, Rev. 9 (Code Case 416 and 498)

NUTECH Report - NSP-56-121-6, Rev. 0

Requests for Relief

<u>Relief Request No.</u>	<u>Description</u>	<u>Rev.</u>
1	Reactor Vessel Beltline Welds	1
2	Reactor Vessel Stabilizer Brackets	1
3	Reactor Recirc Pump	1
4	Valve Internal Surfaces	1
5	Reactor Vessel Nozzles N-13 & N-14	1
6	NIS-2 Form	0
7	Leakage at Bolted Connections	0

Revision 1
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ISI Relief Request No. 1 (Rev. 1)

Reactor Vessel Beltline Welds

SYSTEM: Reactor Vessel

Class: 1

Category: B-A

Item: B 1.12

Impractical Examination Requirements:

Perform volumetric examination of one circumferential and one longitudinal beltline region weld during the Third Ten Year Interval.

Basis for Relief:

Only limited outside diameter access to beltline welds is available through the shield wall nozzle openings.

Accessibility from the inside diameter is limited due to interference from core spray piping, spargers, guide rods and welded attachments. Portions of the vessel clad are too rough for ultrasonic examination.

Alternate Examination:

Volumetrically examine on circumferential and on longitudinal beltline weld to the extent practical. This amounts to 12% of the circumferential beltline weld and 40% partial examination of the longitudinal beltline weld.

In addition, perform a sampling volumetric examination of other longitudinal and circumferential welds to the extent practical. This amounts to 47% of the remaining reactor vessel welds.

Note: Partial examination means that the weld has not been scanned in all four directions.

Reference: Relief Request No. 16 - Second Ten Year Interval dated October 15, 1991; NRC SER dated June 15, 1992.

Approval Status:

Not yet approved. Submitted with Examination Plan, Rev. 0.

Revision 1
7/23/93

ISI Relief Request No. 2 (Rev. 1)

Reactor Vessel Stabilizer Brackets

SYSTEM: Reactor Vessel

Class: 1

Category: B-H

Item: B 8.10

Impractical Examination Requirements:

Perform a volumetric or surface examination of 100% of the vessel stabilizer bracket to vessel welds.

Basis for Relief:

The vessel stabilizer brackets are surrounded by non-removable insulation, ventilation ductwork and electrical installations.

The stabilizer brackets do not provide support during normal operation. The brackets stabilize the vessel against local and seismic loads.

Alternate Examination:

The stabilizer brackets will be examined, if local or seismic loads are experienced.

Reference: Relief Request No. 51 - Second Ten Year Interval dated June 30, 1981; NRC SER dated November 29, 1990.

Approval Status:

Not yet approved. Submitted with Examination Plan, Rev. 0.

ISI Relief Request No. 3 (Rev. 1)

Reactor Recirculation Pump

SYSTEM: Reactor Recirculation

Class: 1

Category: B-L-2

Item: B 12.20

Impractical Examination Requirements:

Perform a visual examination of the internal surfaces of one reactor recirculation pump.

Basis for Relief:

Inspection of a reactor recirculation pump internal surface requires disassembly of the pump. Disassembly of a pump results in a large amount of personal radiation exposure. Disassembly of the pump may result in damage to the pump.

Alternate Examination:

The internal surface of a reactor recirculation pump will be visually examined if a pump is disassembled for maintenance.

If a recirculation pump is not disassembled for maintenance in the third ten year interval, this will be reported at the end of the interval.

Reference: Relief Request No. 41 - Second Ten Year Interval dated June 30, 1981; NRC SERs dated November 29, 1990 and June 15, 1992.

Approval Status:

Not yet approved. Submitted with Examination Plan, Rev 0.

ISI Relief Request No. 4 (Rev. 1)

Valve Internal Surfaces

SYSTEM: Various

Class: 1

Category: B-M-2

Item: B 12.50

Impractical Examination Requirements:

Perform a visual examination of the internal surfaces of Class 1 valves.

Basis for Relief:

Inspection of the internal surfaces of Class 1 valves requires disassembly of the valves. Disassembly of these valves results in a large amount of personal radiation exposure. Disassembly of the valves may result in damage to the valves.

Alternate Examination:

The Class 1 valve internal surfaces will be visually examined if the valve is disassembled for maintenance.

If the valves are not disassembled for maintenance in the third ten year interval, this will be reported at the end of the interval.

Reference: Relief Request No. 42 - Second Ten Year Interval dated June 30, 1981; NRC SERs dated November 29, 1990 and June 15, 1992.

Approval Status:

Not yet approved. Submitted with Examination Plan, Rev 0.

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7/23/93

ISI Relief Request No. 5 (Rev. 1)

Reactor Vessel Nozzles N-13 & N-14

SYSTEM: Reactor Vessel

Class: 1

Category: B-E

Item: B 4.12

Impractical Examination Requirements:

Perform a visual examination of the external surface of the reactor pressure vessel partial penetration nozzle welds for Nozzle N-13 and N-14 (Closure head flange leakage sensor).

Basis for Relief:

These nozzles do not see pressure during the vessel pressure test; unless the vessel flange o-ring leaks. Leakage past the o-ring is detected by the reactor vessel head-seal leak detection system. Therefore, a visual examination for leaks during the vessel pressure test will not detect leaks because the nozzles are not pressurized.

Pressurizing the nozzle in the wrong direction to perform a leak test will damage the vessel flange o-ring.

The nozzles are not accessible without damaging area insulation.

Alternate Examination:

No examination are proposed unless the insulation is removed for maintenance or other activities.

References: Relief Request No. 18 - Second Ten Year Interval, dated June 30, 1981; NRC SER dated November 29, 1990.

Approval Status:

Not yet approved. Submitted with Examination Plan, Rev. 0.

ISI Relief Request No. 6 (Rev. 0)

NIS-2 Form

SYSTEM: Various

Class: 1, 2 and 3

Category: Various

Item: Various

Impractical Requirements:

IWA-6220(d)(10): Complete Owner's Report for Repairs and Replacements, form NIS-2, as shown in Appendix II.

IWA-7520(a)(8): same as above.

Basis for Relief:

The Monticello plant was designed and built prior to the existence of ASME Section III piping codes. As a result, there is no design basis requirement to have Code stamped pressure piping and components. The NIS-2 Form is intended as a record keeping device for pressure boundary repairs and replacements to piping and components that are Code stamped (i.e. to maintain the Code stamp). Section XI Code editions invoked in Monticello's first and second inspection intervals did not require completion of the NIS-2 Form.

The 1986 Edition to the Code requires completion of the NIS-2 Form as shown in Appendix II. This is an administrative burden to the Monticello plant with no compensatory increase in quality or safety. The intent of the requirement is to maintain a Code stamp through the use of the NIS-2 Form, and is not applicable to the Monticello plant.

Alternative Requirement:

The Inservice Inspection Summary Report, which is prepared in accordance with the requirements of IWA-6220, will contain a summary of the repairs and replacements conducted since the preceding summary report. The summary will include the work document number, system identification and a description for each repair and replacement. The repair and replacement summary will include a signature block for the ANII.

Approval Status:

Not Yet approved. Submitted with Examination Plan, Rev. 1.

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ISI Relief Request No. 7 (Rev. 0)
(page 1 of 2)

Leakage at Bolted Connections

SYSTEM: Various

Class: 1, 2 and 3

Category: Various

Item: Various

Impractical Examination Requirements:

IWA-5250(a)(2): If leakage occurs at a bolted connection, the bolting shall be removed and VT-3 examined.

Basis for Relief:

The Section XI Code committees have acknowledged that this requirement is impractical. In the 1990 Addenda to the 1989 Edition of the ASME Section XI Code, the requirement was changed to limit the examination to one bolt nearest the leakage unless evidence of degradation is found. Section XI Code editions in Monticello's first and second inspection intervals did not require bolting examination if leakage was found.

The subject requirement does not consider such things as whether the connection will stop leaking once the plant is at normal operating pressure and temperature. Some bolted connections, such as the control rod drive housings, may leak slightly during a leakage or hydrostatic test, but do not leak during power operation. Connections such as these also have specifically designed torque values, so the bolting material can not simply be tightened at the cold condition until the leak stops. In the case of the CRD housings, Monticello has evaluated these factors, with input from General Electric, and established VT-2 acceptance criteria for the system. This approach is in accordance with Section XI, paragraph IWB-3142 which should be the governing Code requirement.

Periodic bolting examinations required by Section XI already exist. Adding the requirement to remove all bolting from a leaking bolted connection regardless of an evaluation that considers the connection's acceptable leakage rate and mitigating factors is a hardship and a burden to Monticello without a compensating increase in quality or safety.

ISI Relief Request No. 7 (Rev. 0)
(page 2 of 2)

Leakage at Bolted Connections

Alternative Requirement:

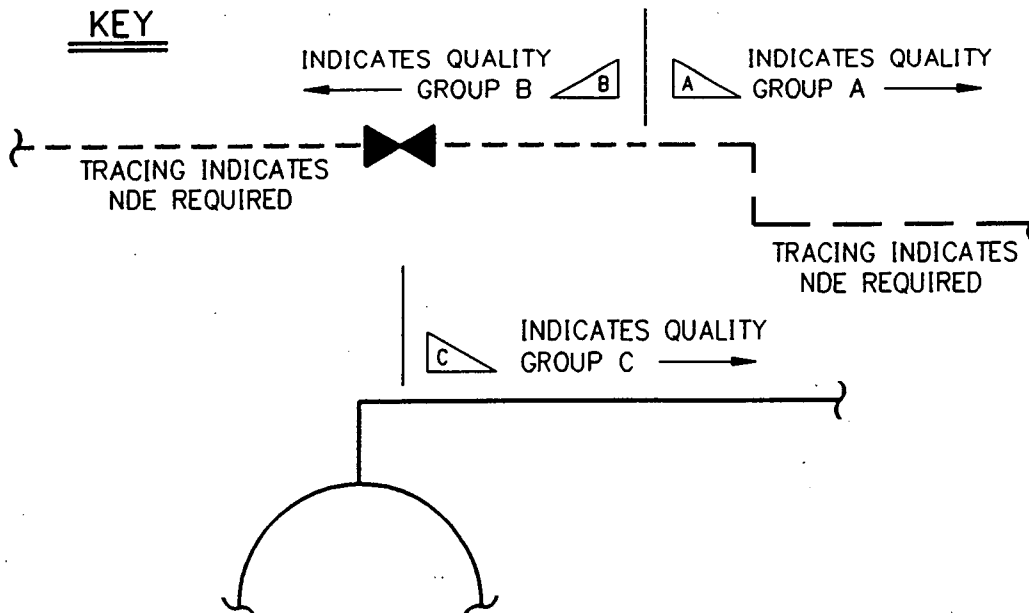
Any leakage found at a bolted connection during a Section XI pressure test will be evaluated as part of the VT-2 examination test procedure. The need to consider removing one or more studs for visual examination as part of this evaluation will be documented in Monticello's administrative work instructions.

Approval Status:

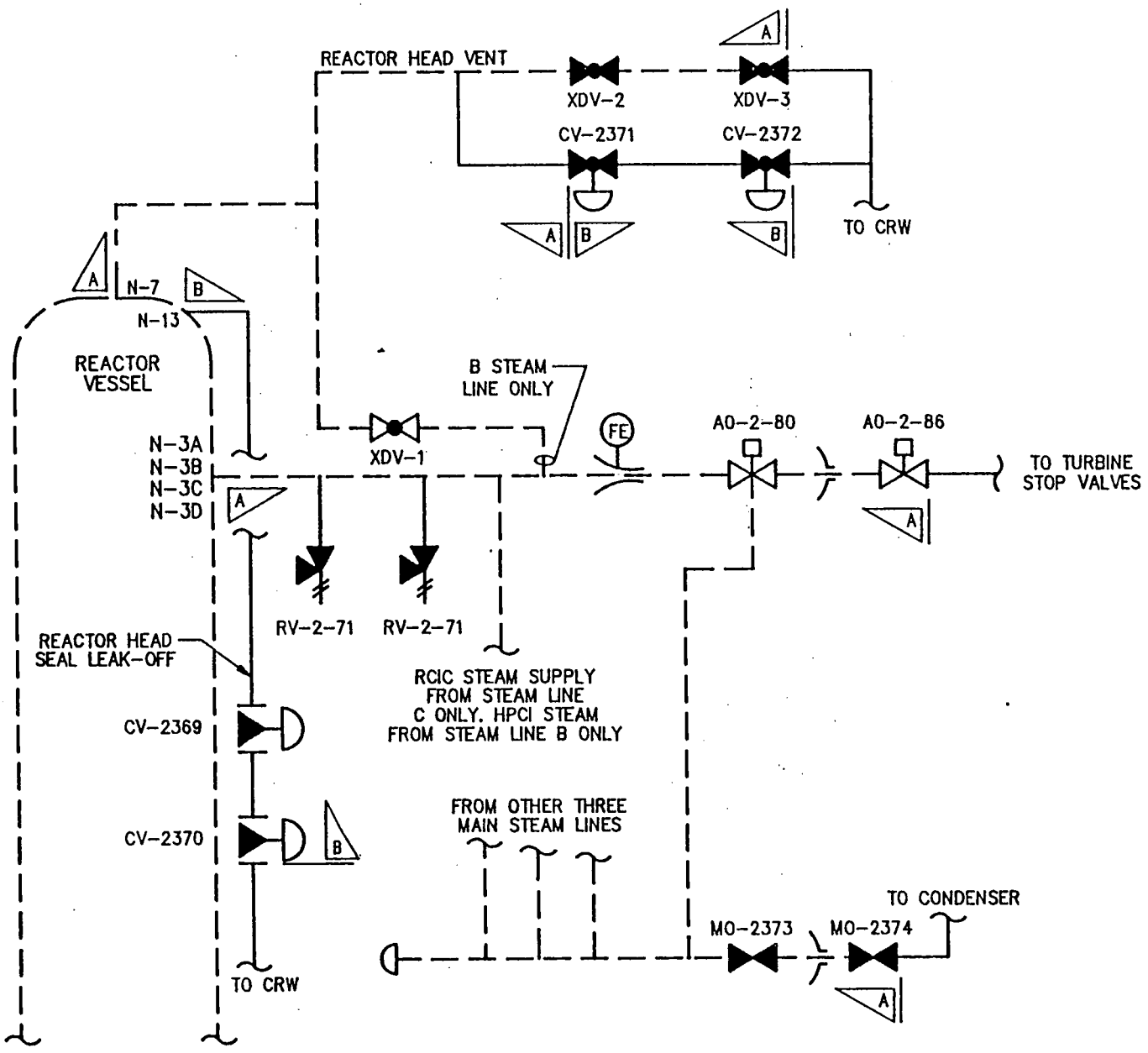
Not yet approved. Submitted with Examination Plan, Rev. 1.

QUALITY GROUP CLASSIFICATION DRAWINGS
(ISI BOUNDARY DWGS)

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DWN: CEP
REV: JB
APP: JB

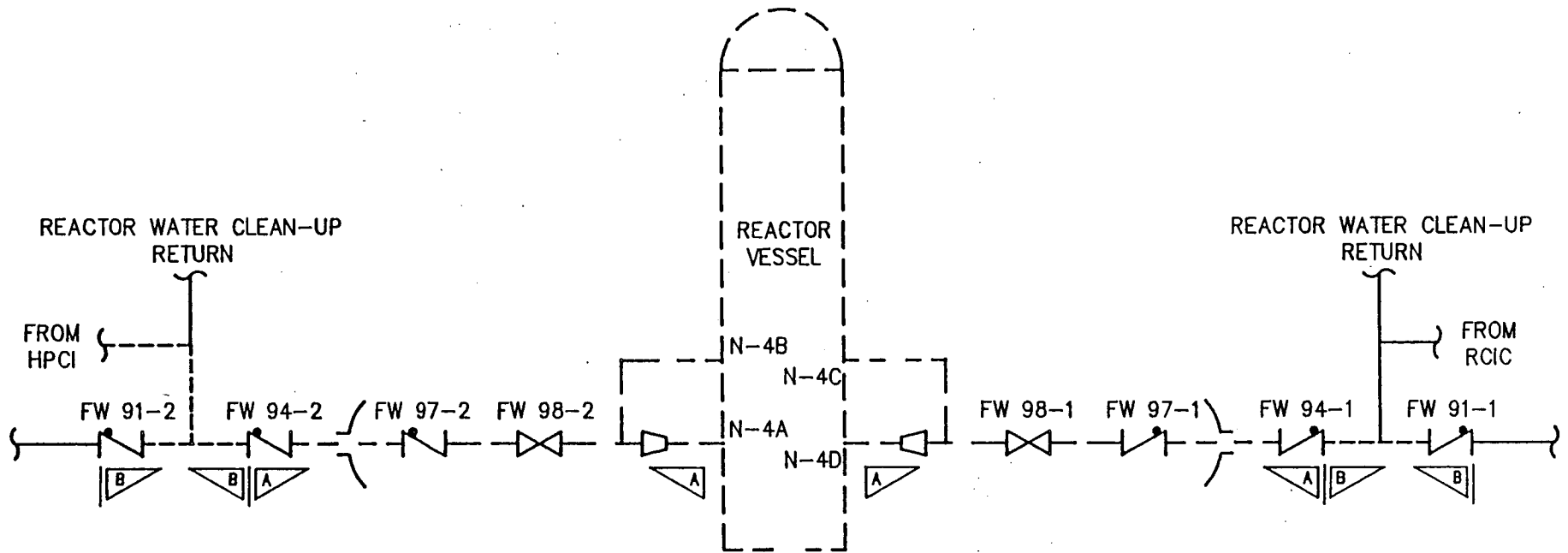


MAIN STEAM SYSTEM

1.5-2

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DWN: CEP
REV: JB
APP: JB

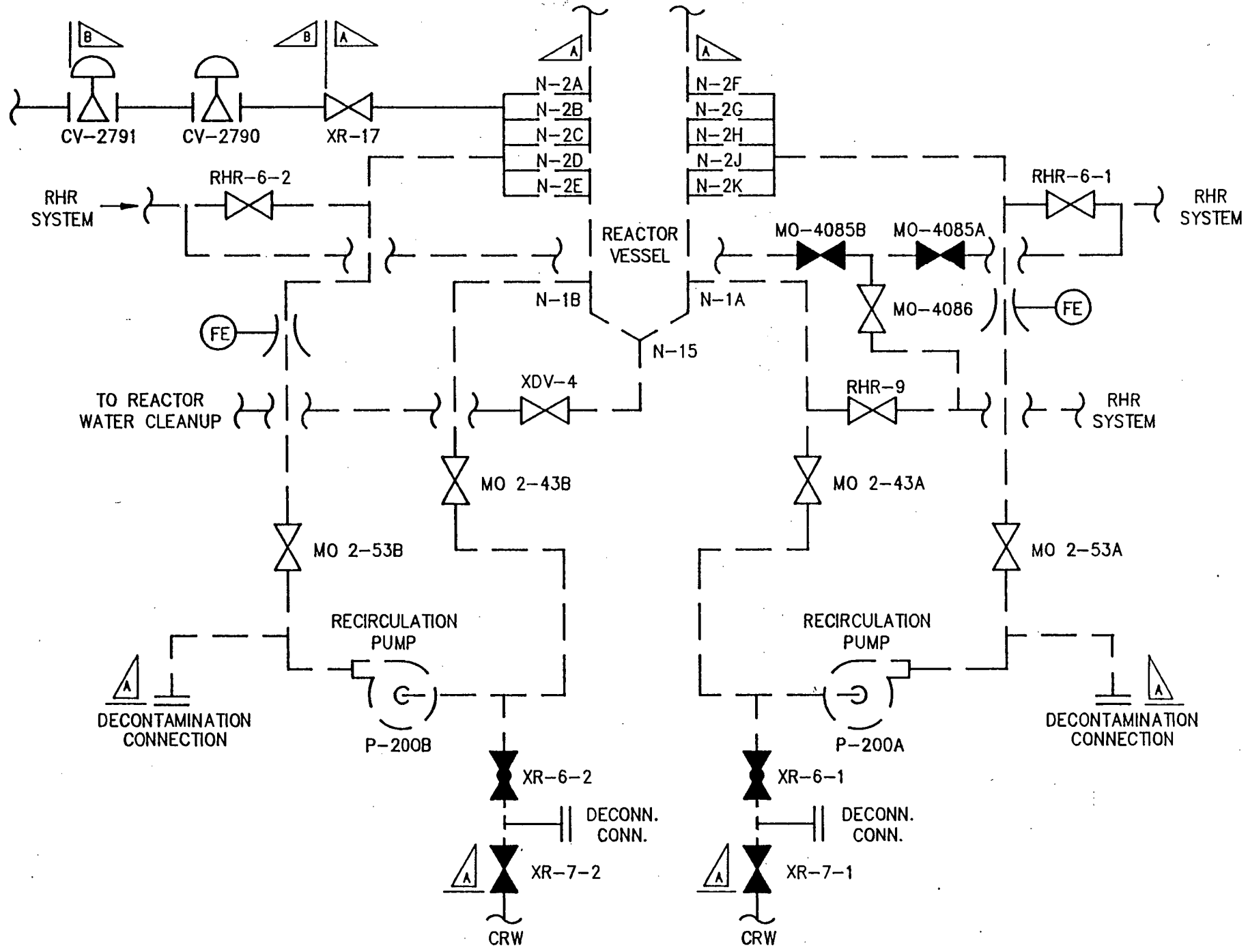


FEEDWATER SYSTEM

1.5-3

REVISION 0
11/14/91

DWN: CEP
 REV: JB
 APP: JB

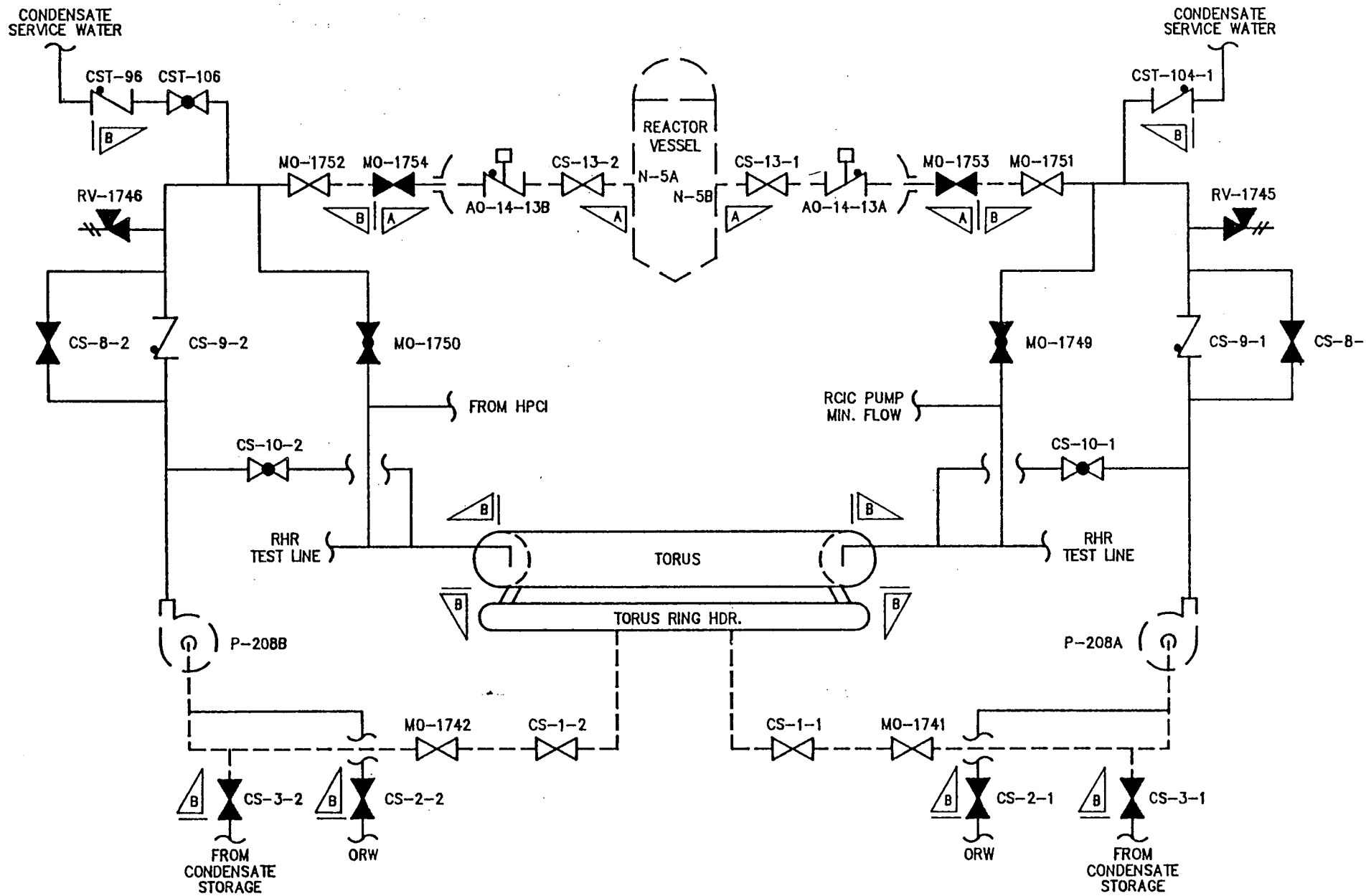


REACTOR RECIRCULATION SYSTEM

1.5-4

REVISION 0
 11/14/91

DWN: CEP
REV: JB
APP: JB



CORE SPRAY SYSTEM

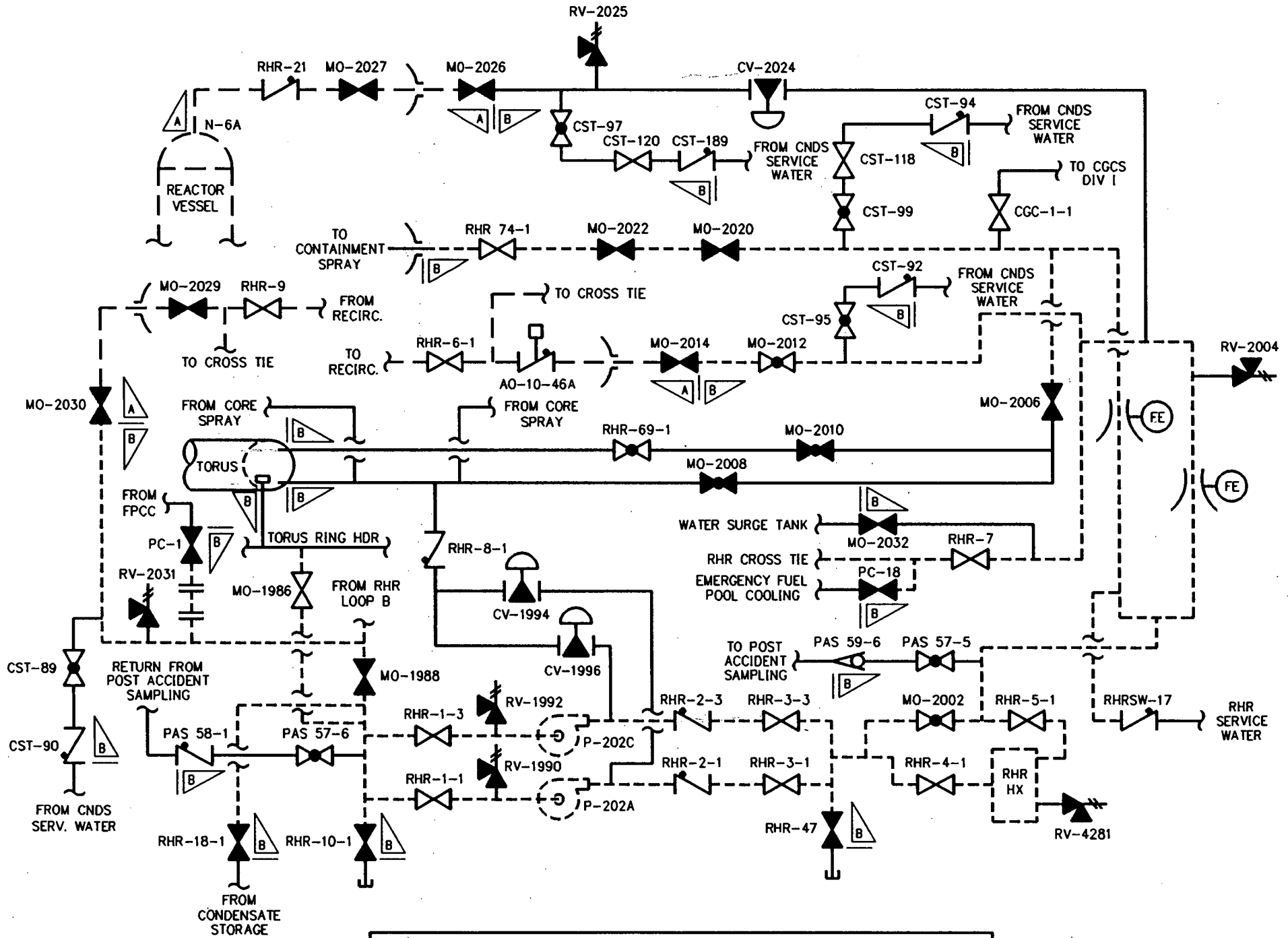
1.5-5

REVISION 0
11/14/91

DWN: CEP
REV: MV
APP: MV

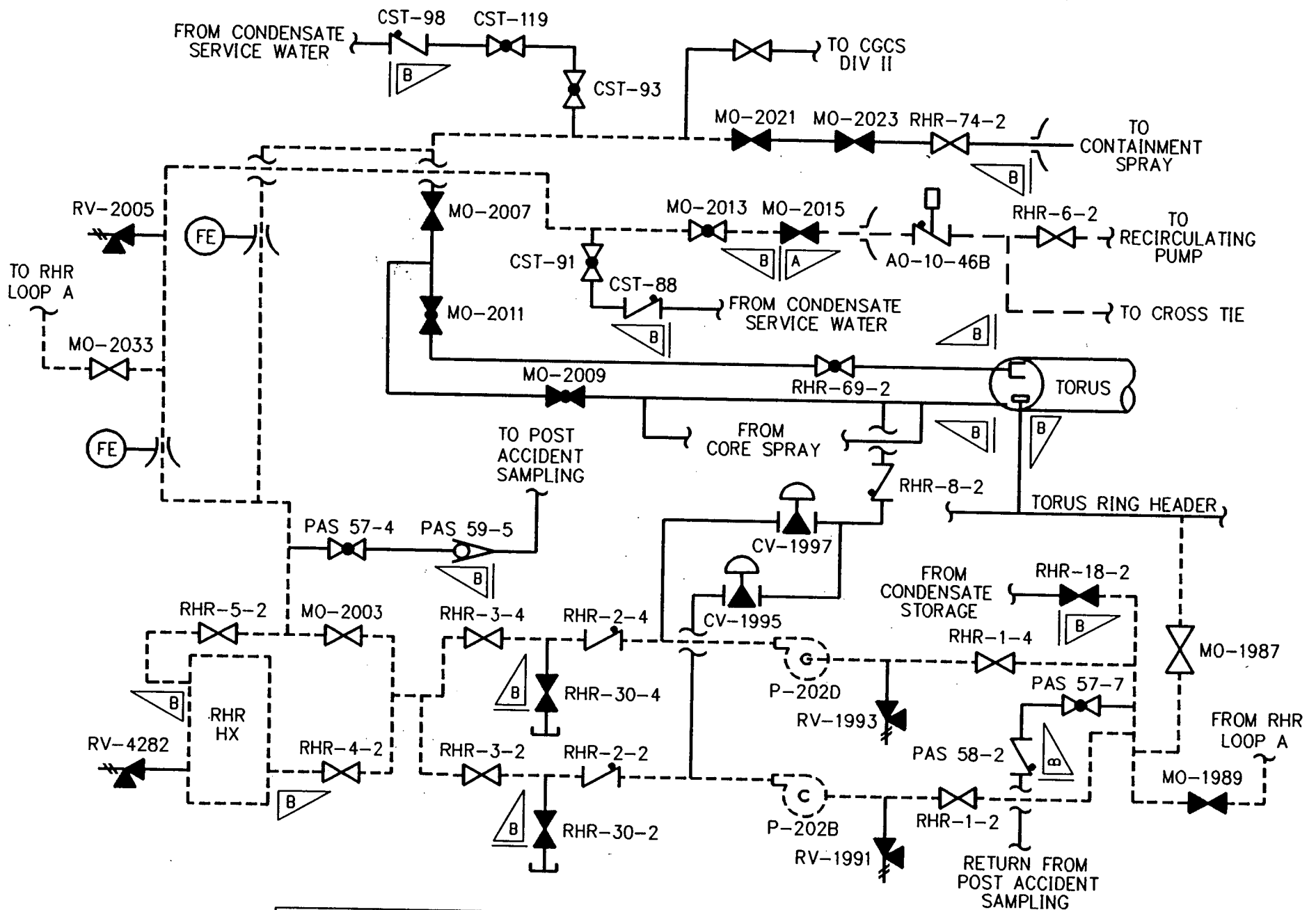
1.5-6

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RESIDUAL HEAT REMOVAL SYSTEM LOOP A

DWN: CEP
 REV: MV
 APP: MV



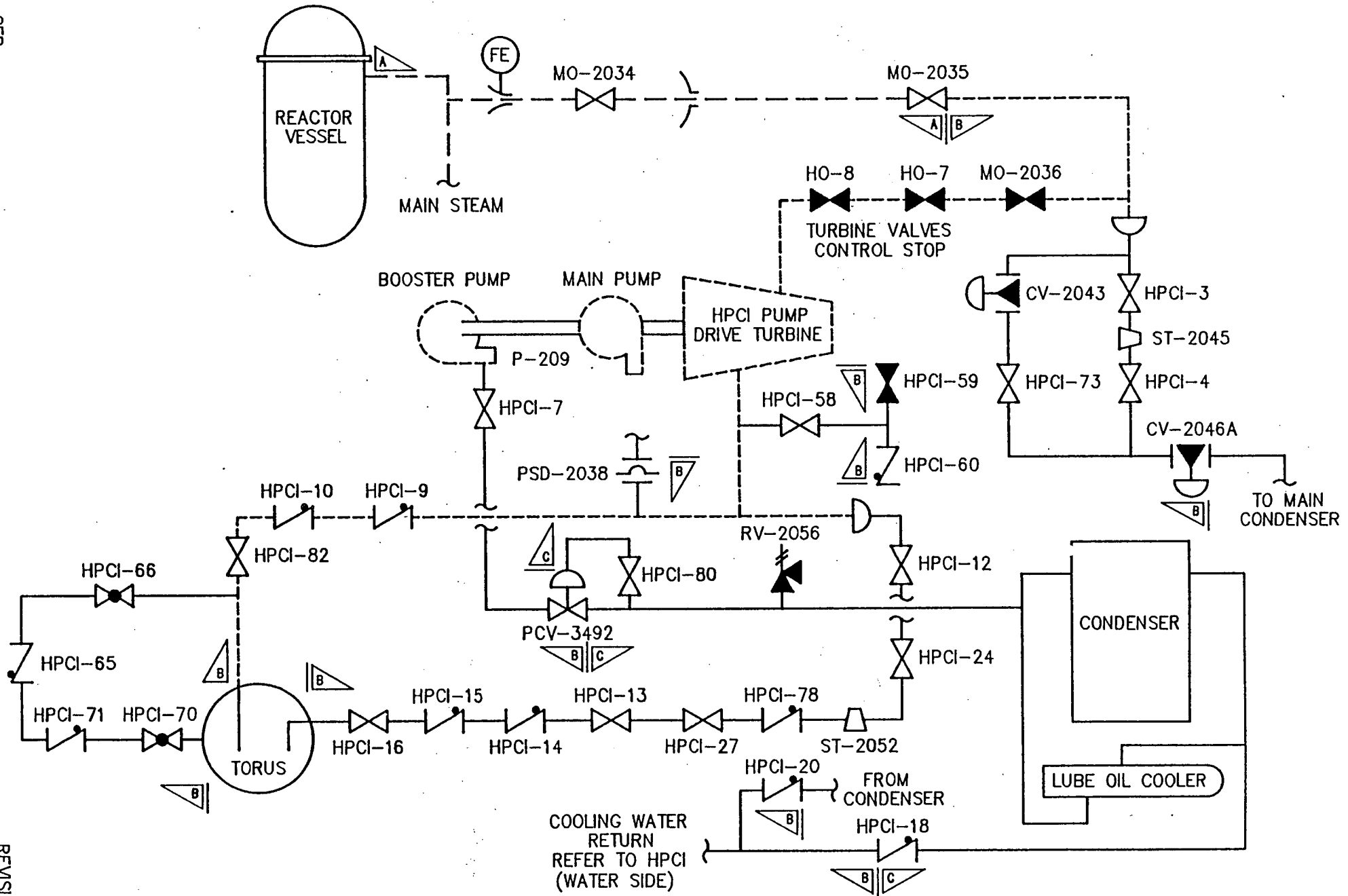
RESIDUAL HEAT REMOVAL SYSTEM LOOP B

1.5-7

REVISION 1
 7/21/93

DWN: CEP
 REV: JB
 APP: JB

1.5-8

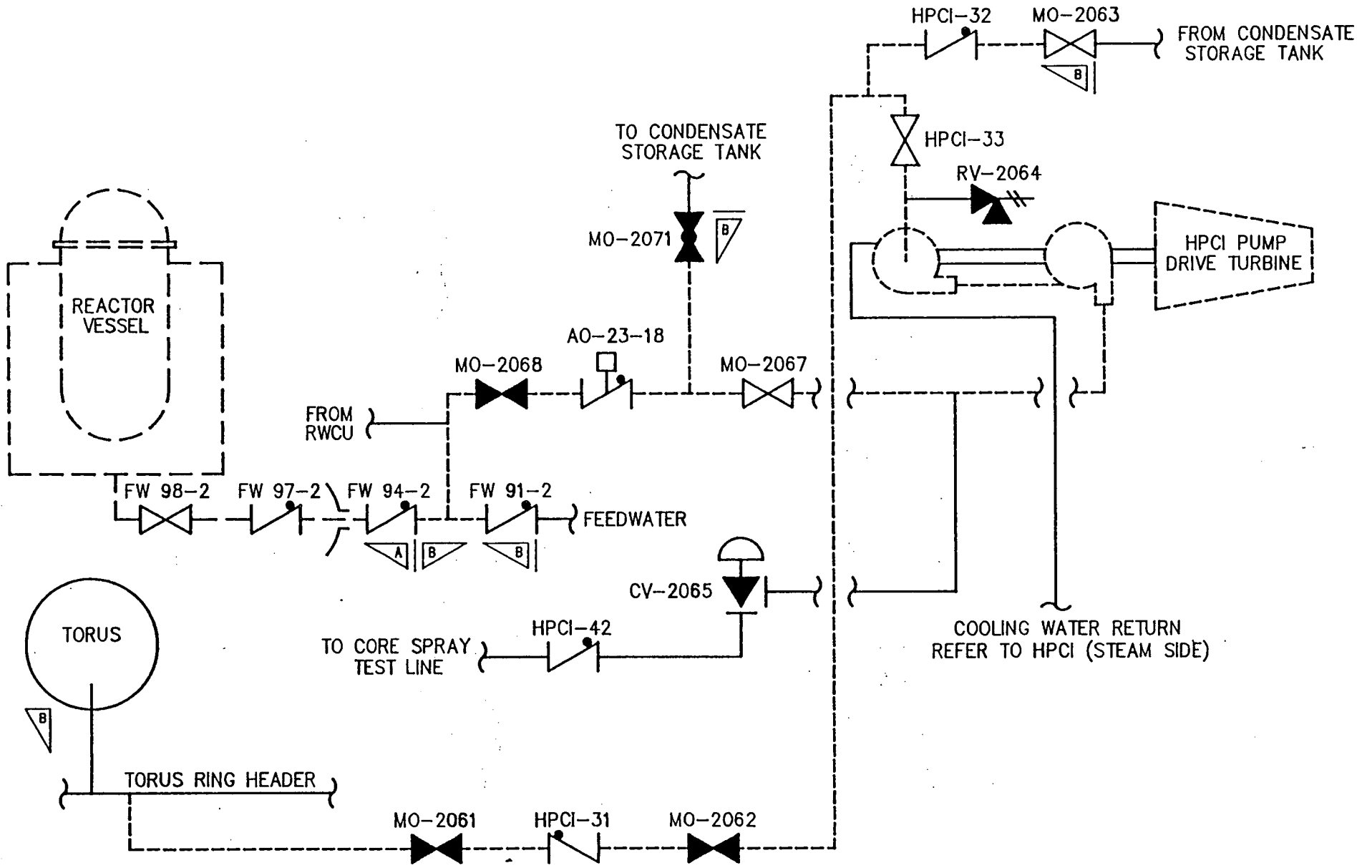


HIGH PRESSURE COOLANT INJECTION SYSTEM (STEAM SIDE)

REVISION 0
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DWN: CEP
REV: JB
APP: JB

1.5-9

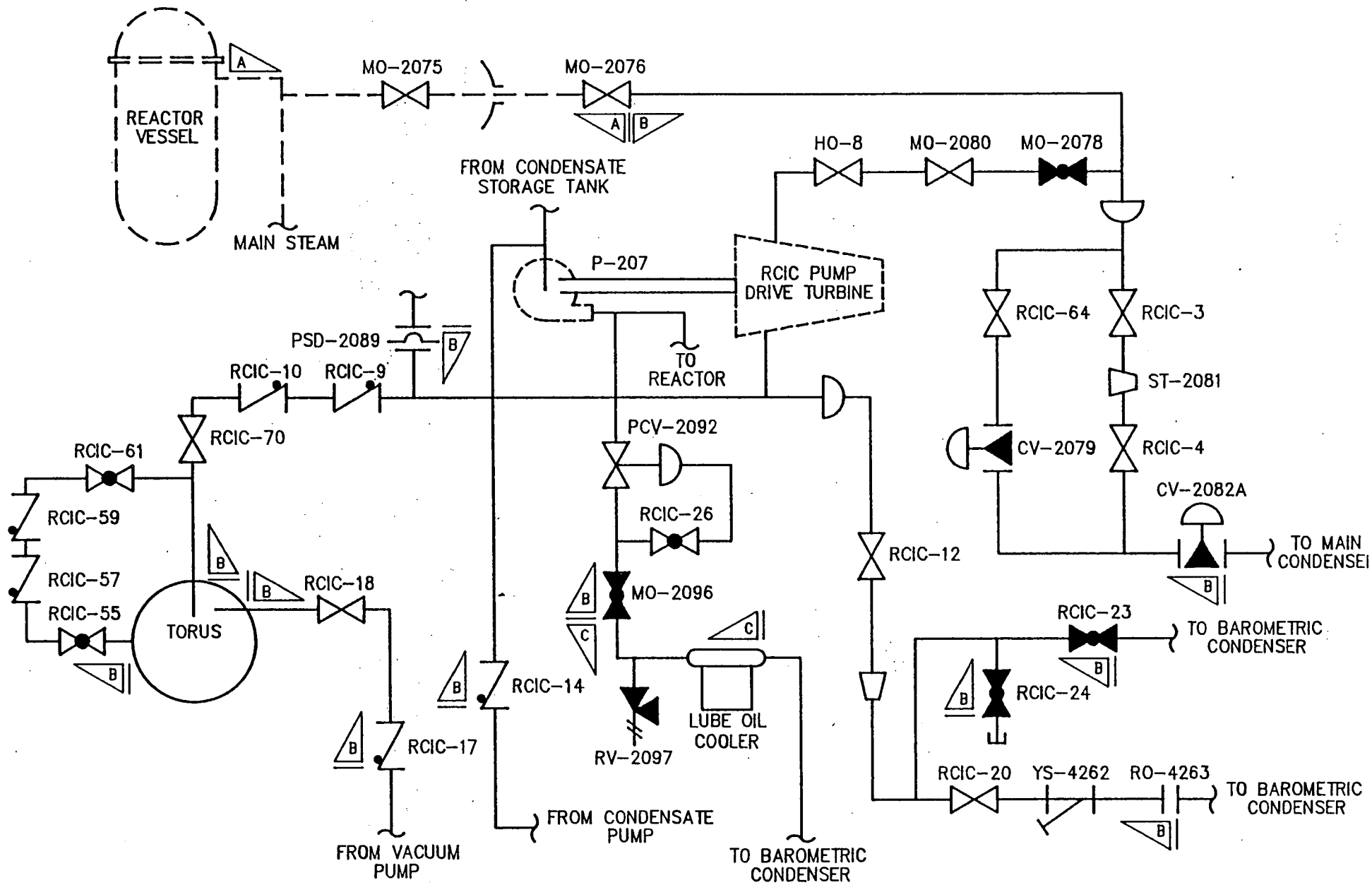


HIGH PRESSURE COOLANT INJECTION SYSTEM (WATER SIDE)

REVISION 0
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DWN: CEP
REV: JB
APP: JB

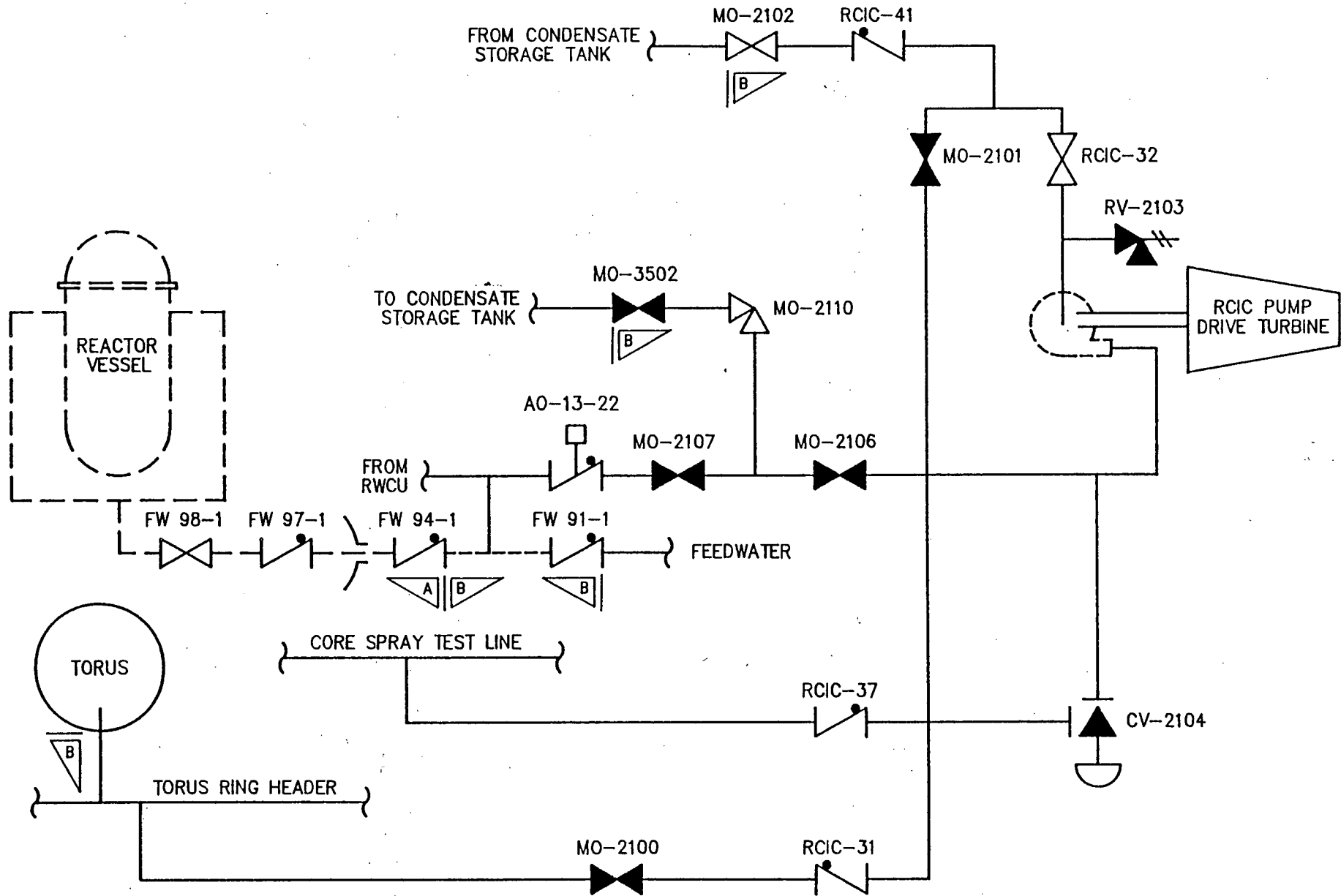
1.5-10



REACTOR CORE ISOLATION COOLING (STEAM SIDE)

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DWN: CEP
REV: JB
APP: JB



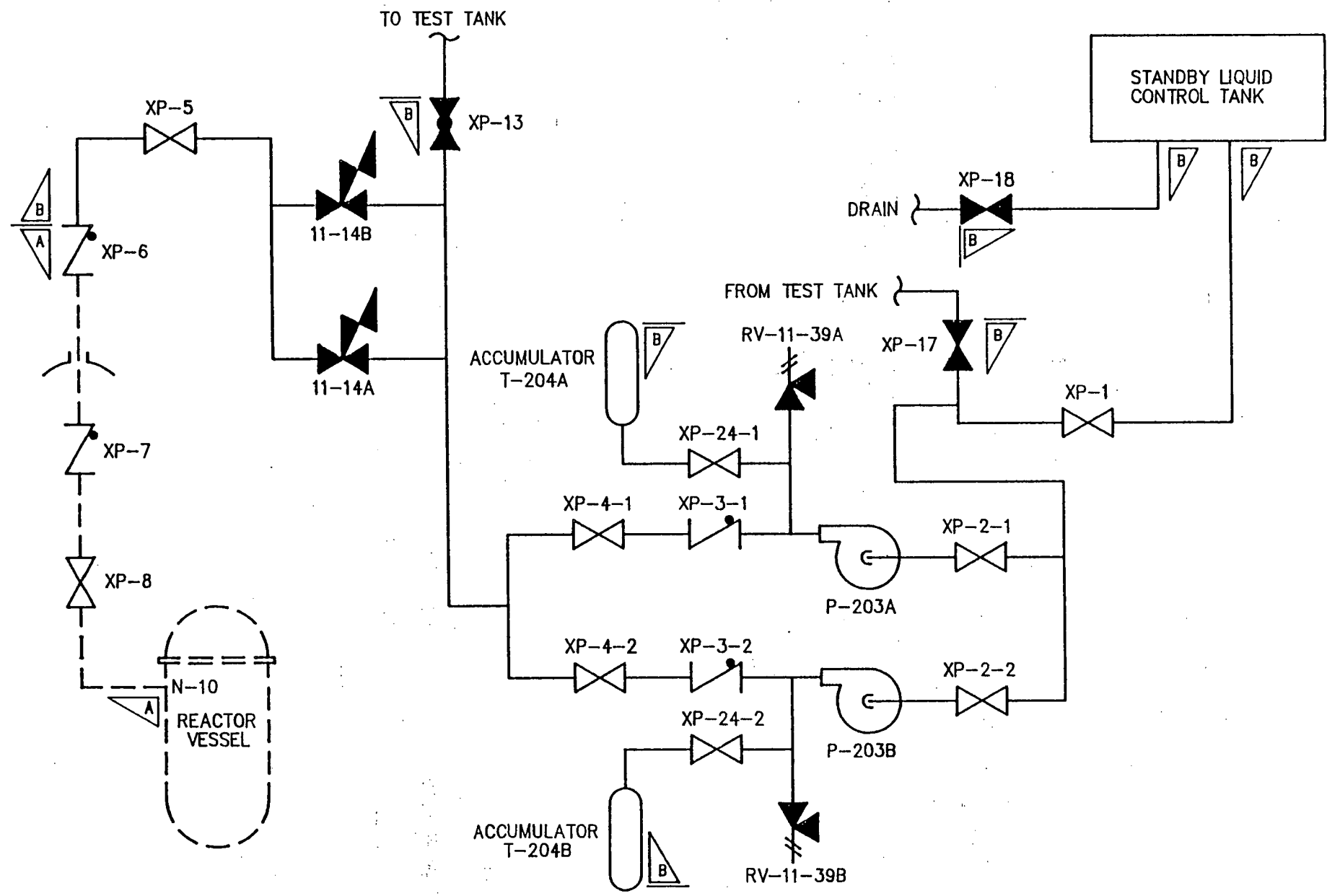
1.5-11

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REACTOR CORE ISOLATION COOLING (WATER SIDE)

DWN: CEP
REV: JB
APP: JB

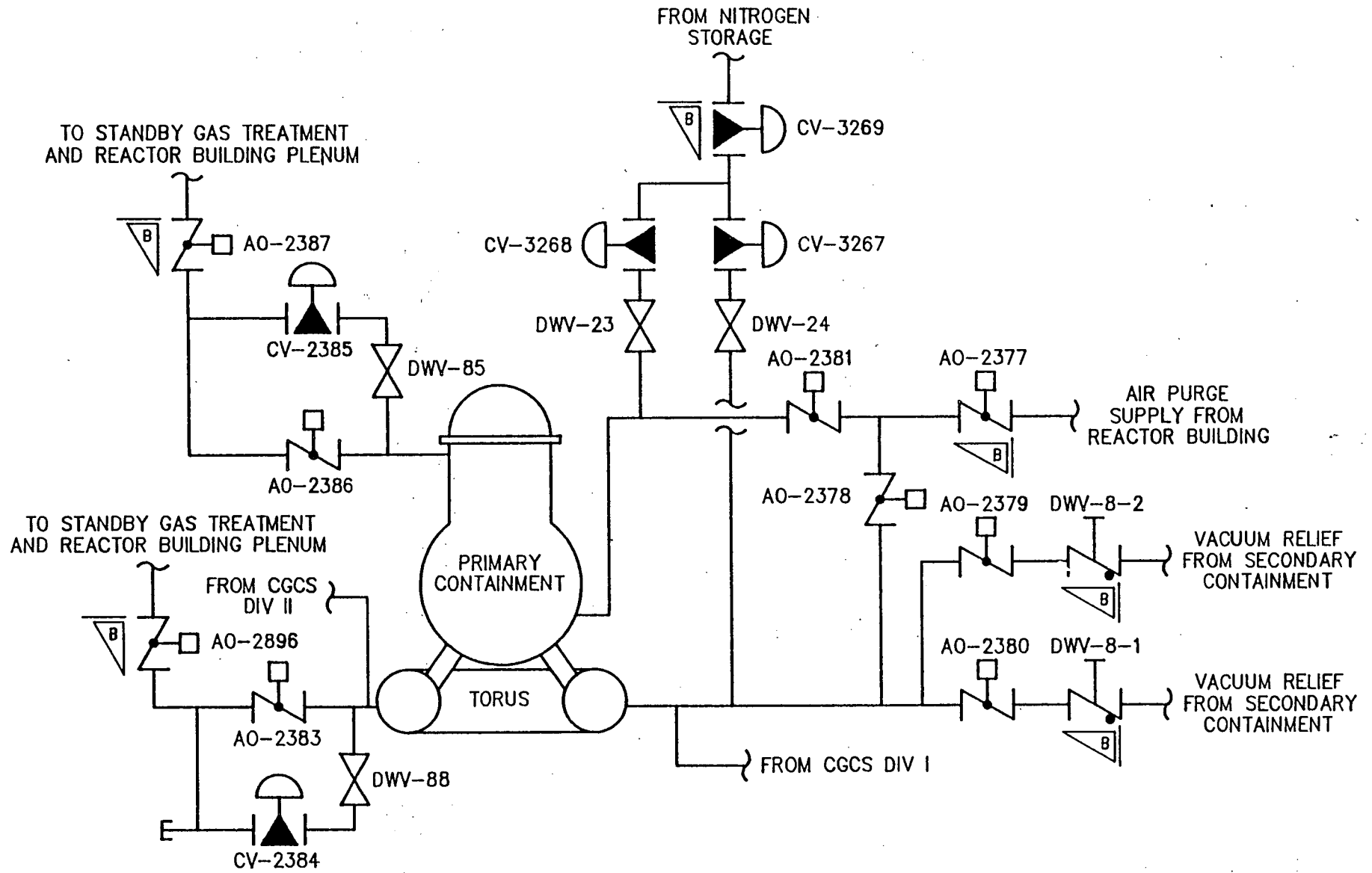
1.5-12



STANDBY LIQUID CONTROL SYSTEM

REVISION 0
11/14/91

DWN: CEP
REV: JB
APP: JB

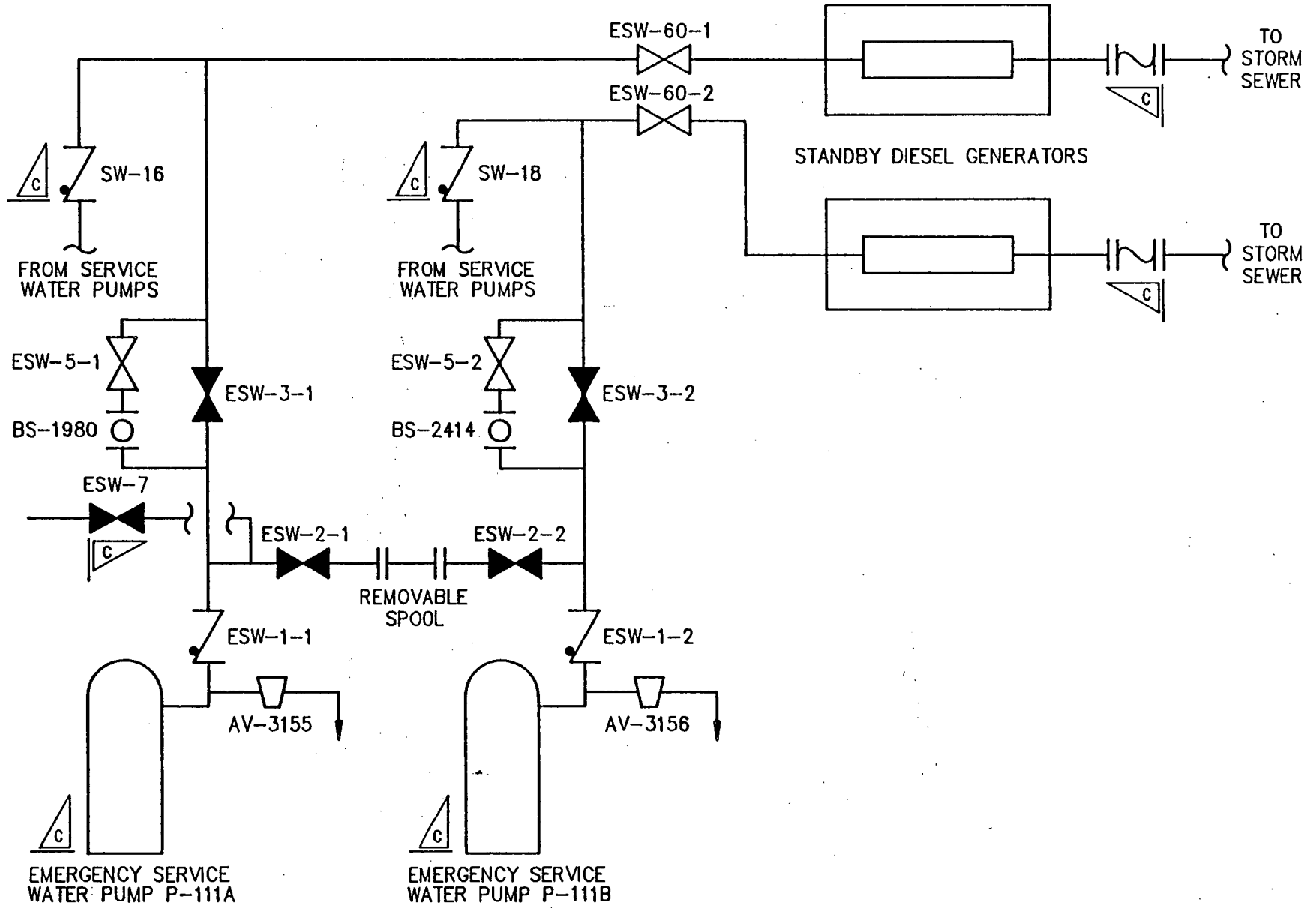


1.5-13

REVISION 0
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PRIMARY CONTAINMENT ATMOSPHERIC CONTROL SYSTEM

APP: JB
REV: JB
DWN: CEP



1.5-14

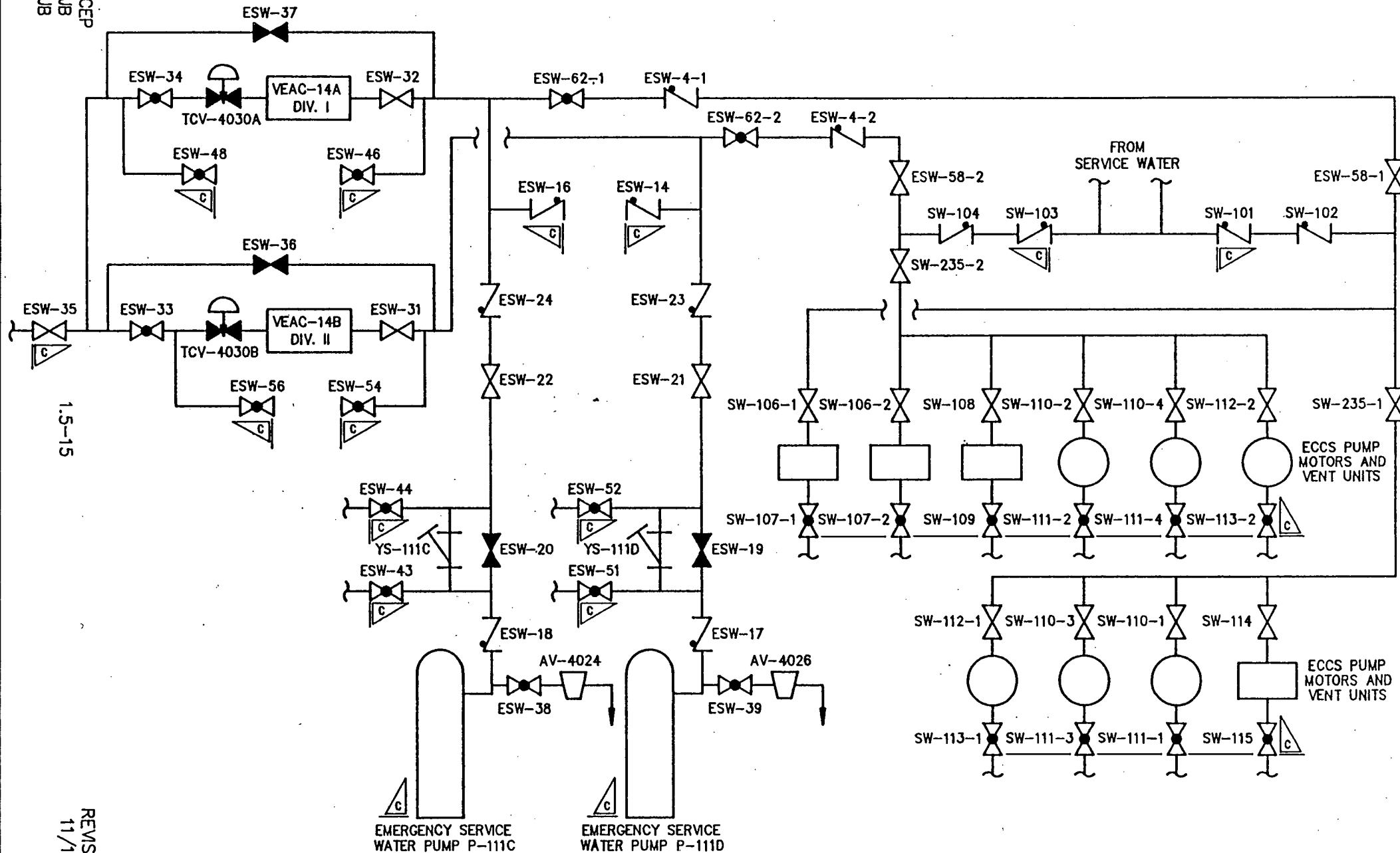
REVISION 0
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EMERGENCY DIESEL GENERATORS EMERGENCY SERVICE WATER

DWN: CEP
REV: JB
APP: JB

1.5-15

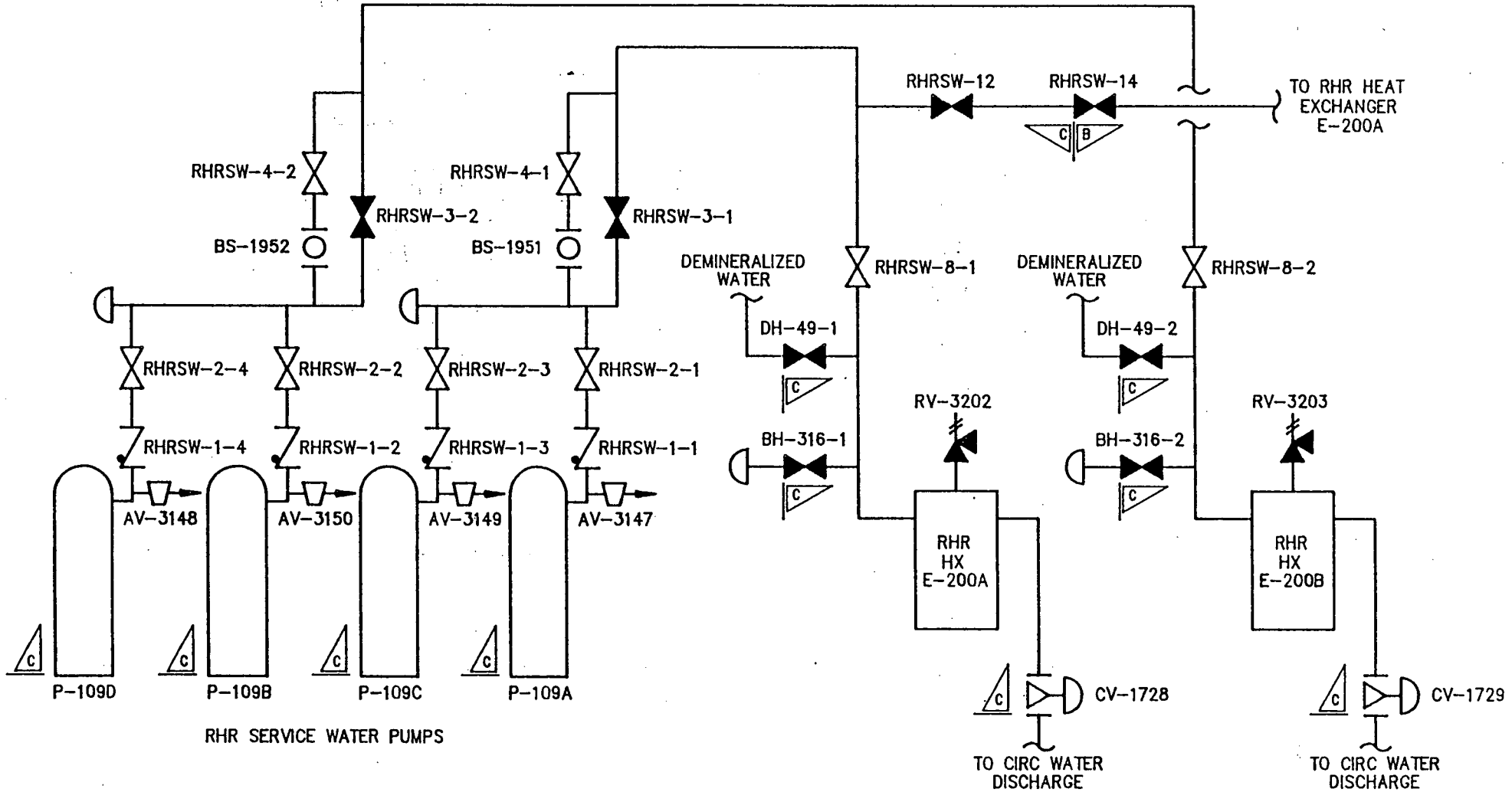
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EMERGENCY SERVICE WATER

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REV: JB
APP: JB

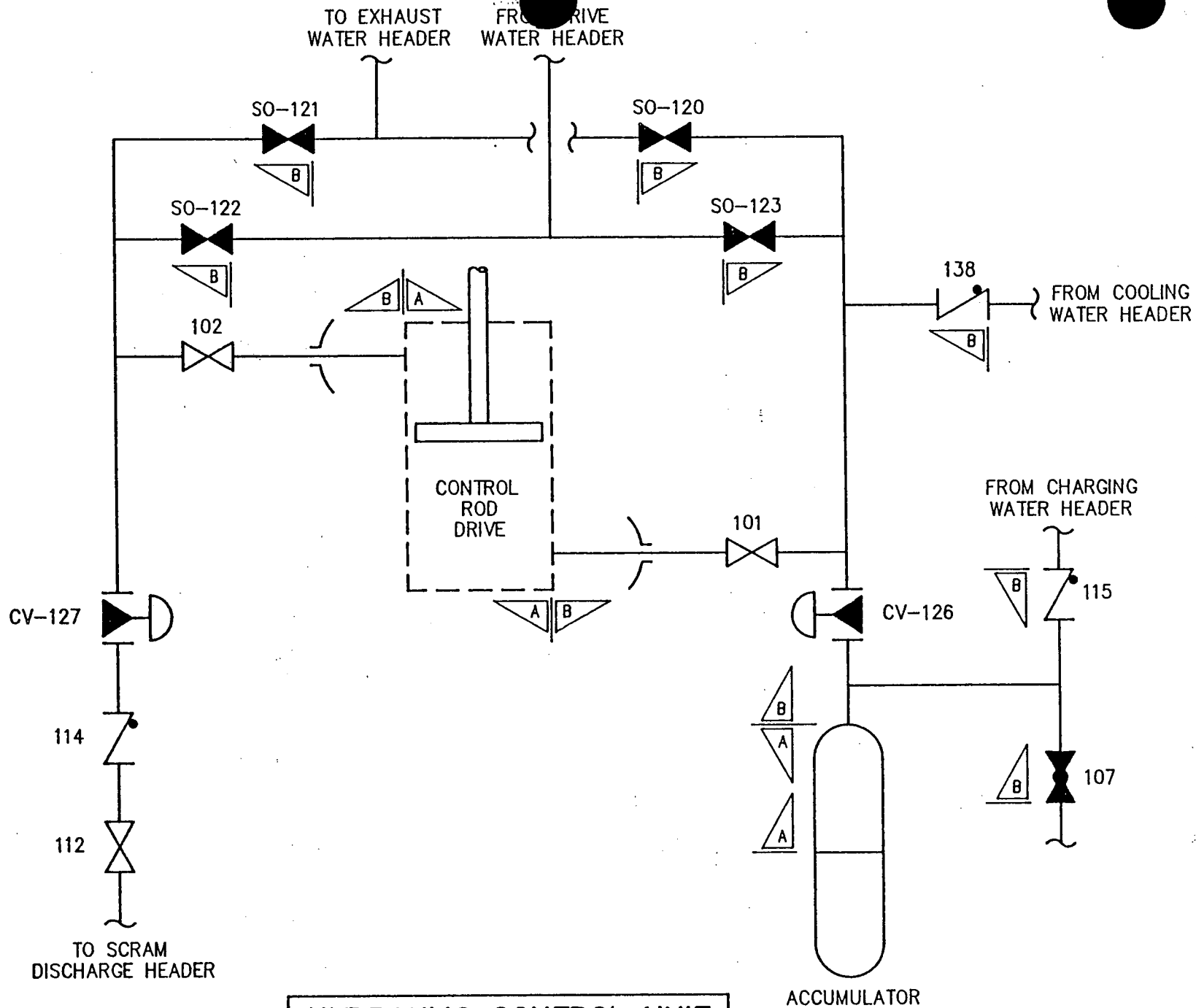
1.5-16



RHR SERVICE WATER

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DWN: CEP
REV: JB
APP: JB



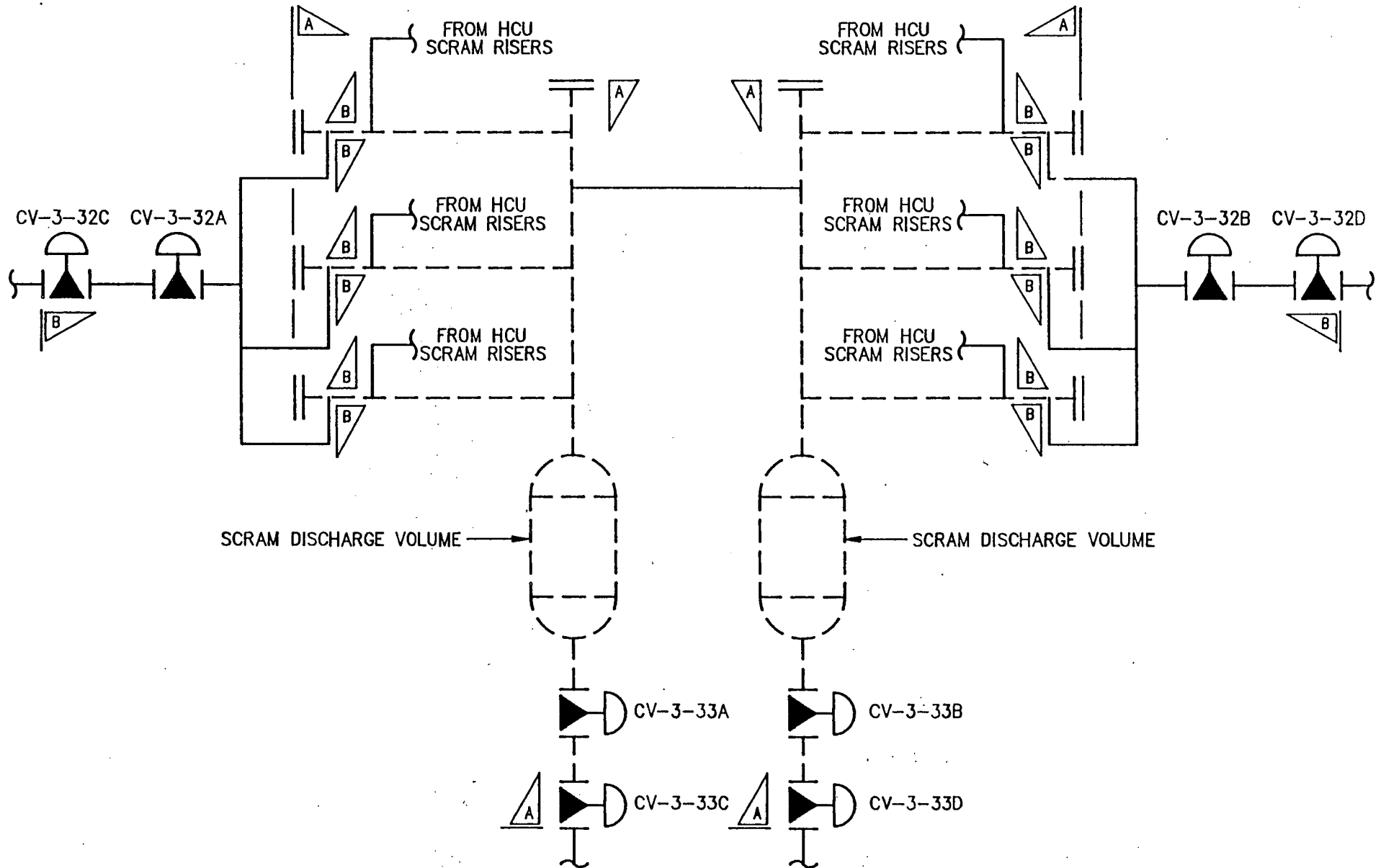
HYDRAULIC CONTROL UNIT

(TYPICAL OF 121)

1.5-17

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11/14/91

DWN: CEP
REV: JB
APP: JB

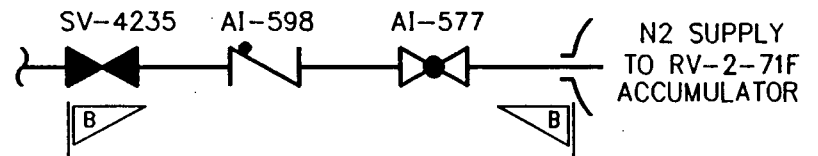
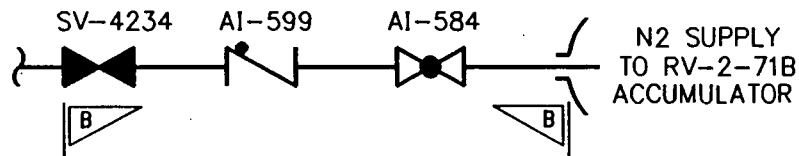
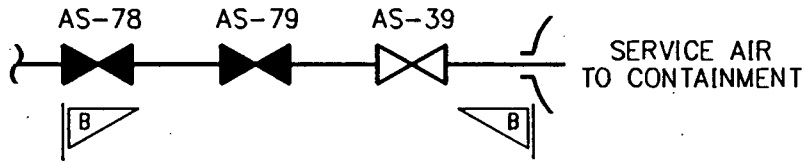
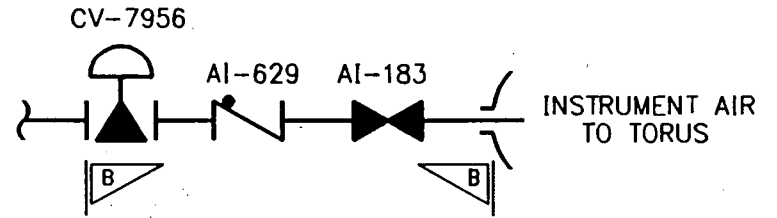
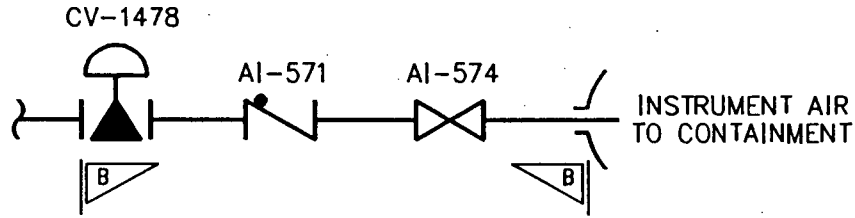


1.5-18

REVISION 0
11/14/91

CONTROL ROD DRIVE SYSTEM (SCRAM DISCHARGE PIPING)

DWN: CEP
REV: MV
APP: MV

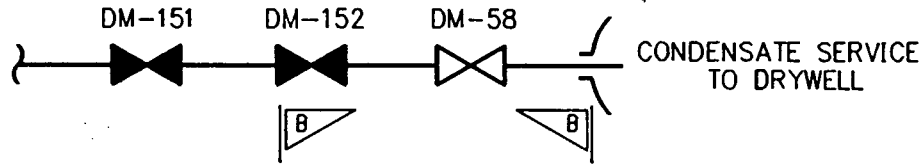


COMPRESSED AIR SYSTEM

1.5-19

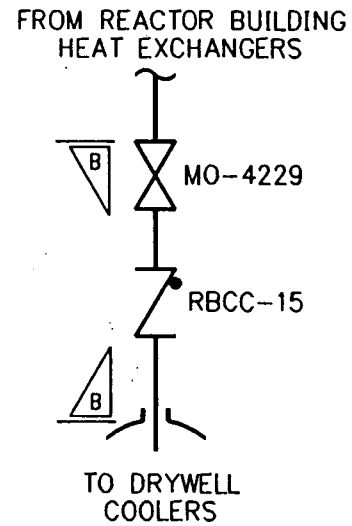
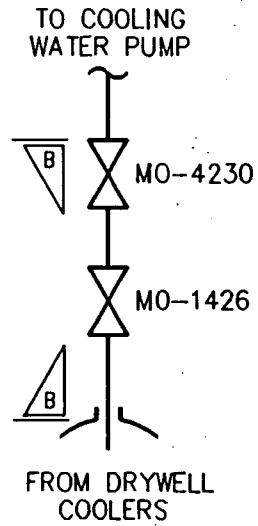
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REV: MV
APP: MV



CONDENSATE SERVICE SYSTEM

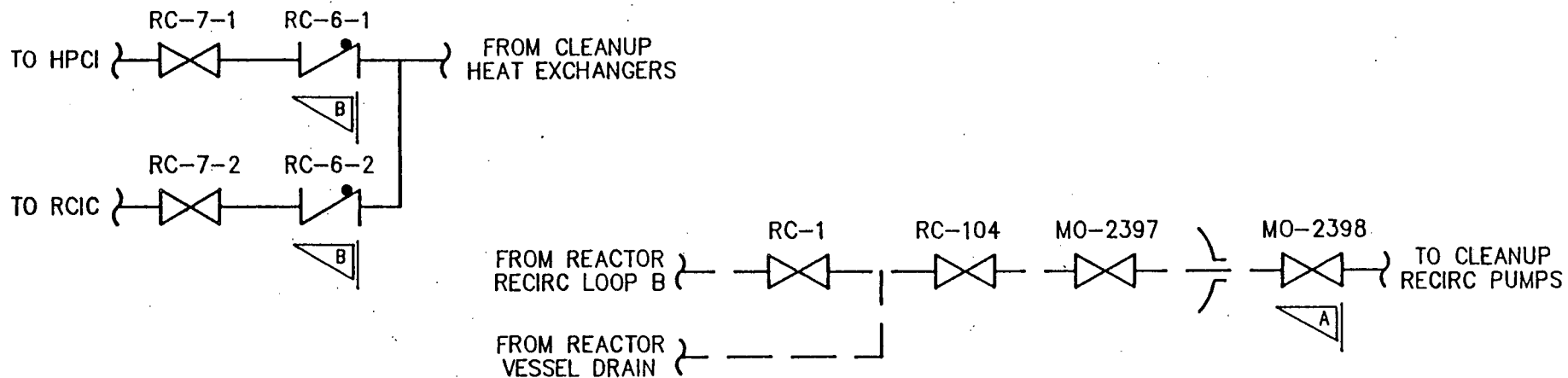
1.5-20



REACTOR BUILDING COOLING WATER SYSTEM

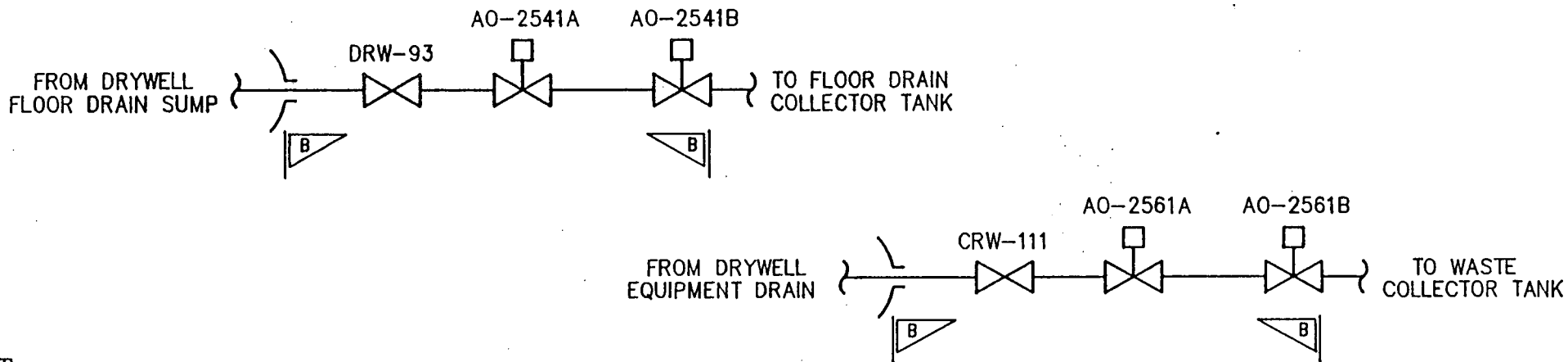
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DWN: CEP
REV: JB
APP: JB



REACTOR WATER CLEAN-UP SYSTEM

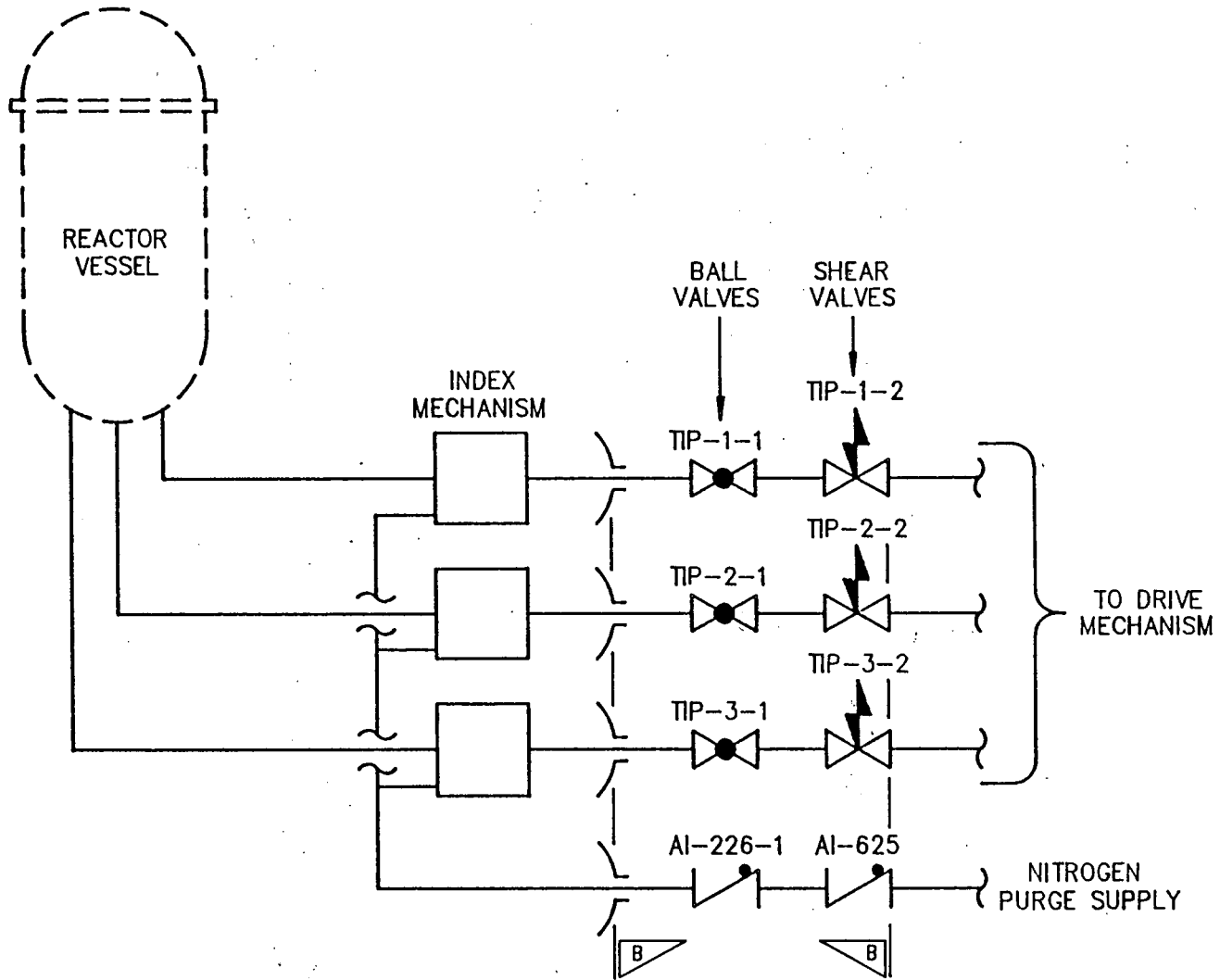
1.5-21



LIQUID RADWASTE

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DWN: CEP
REV: JB
APP: JB

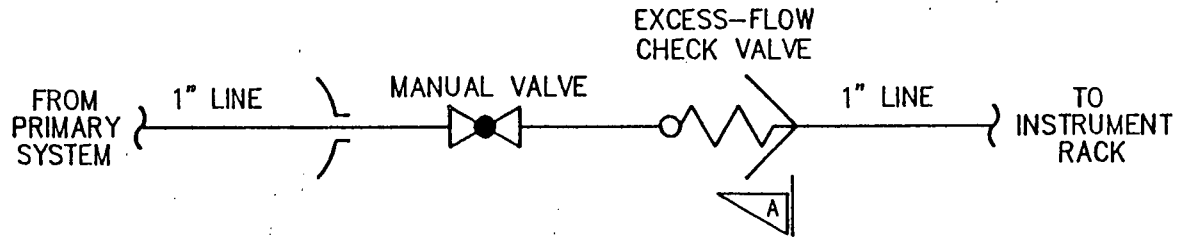


1.5-22

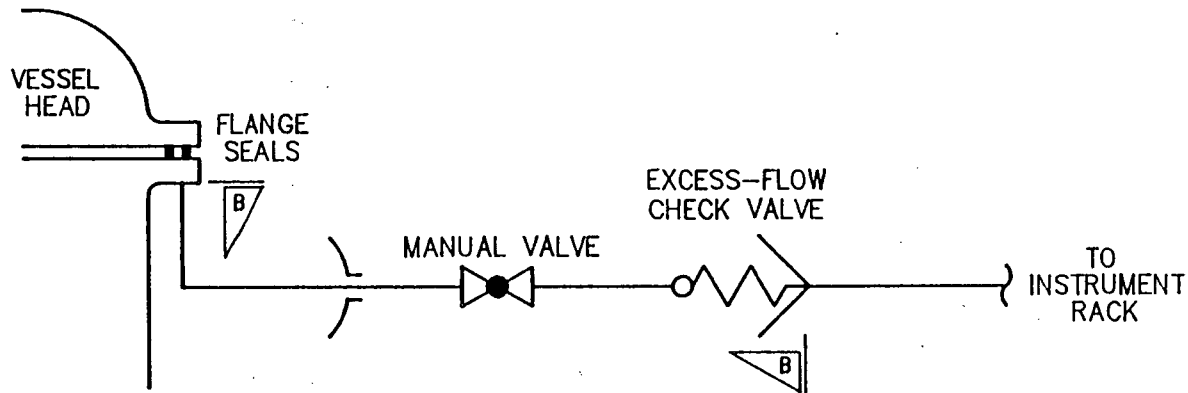
TRaversing IN-CORE PROBE SYSTEM

REVISION 0
11/14/9.

DWN: CEP
REV: JB
APP: JB



TYPICAL FOR EXCESS-FLOW CHECK VALVES EXCEPT
EXCESS-FLOW CHECK VALVE FOR PENETRATION X-28F



EXCESS-FLOW CHECK VALVE
FOR PENETRATION X-28F

EXCESS-FLOW CHECK VALVES

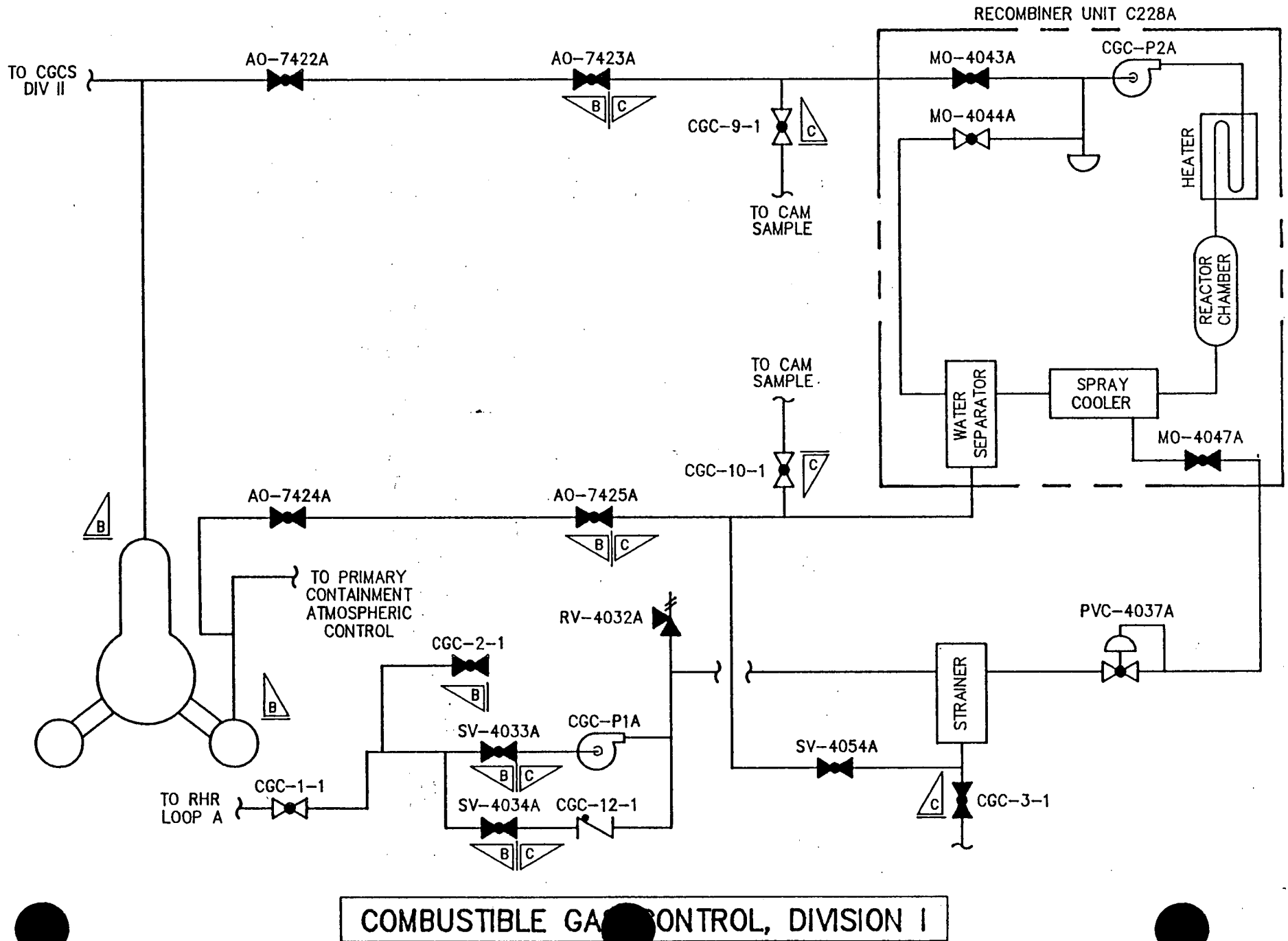
1.5-23

REVISION 0
11/14/91

DWN: CEP
REV: JB
APP: JB

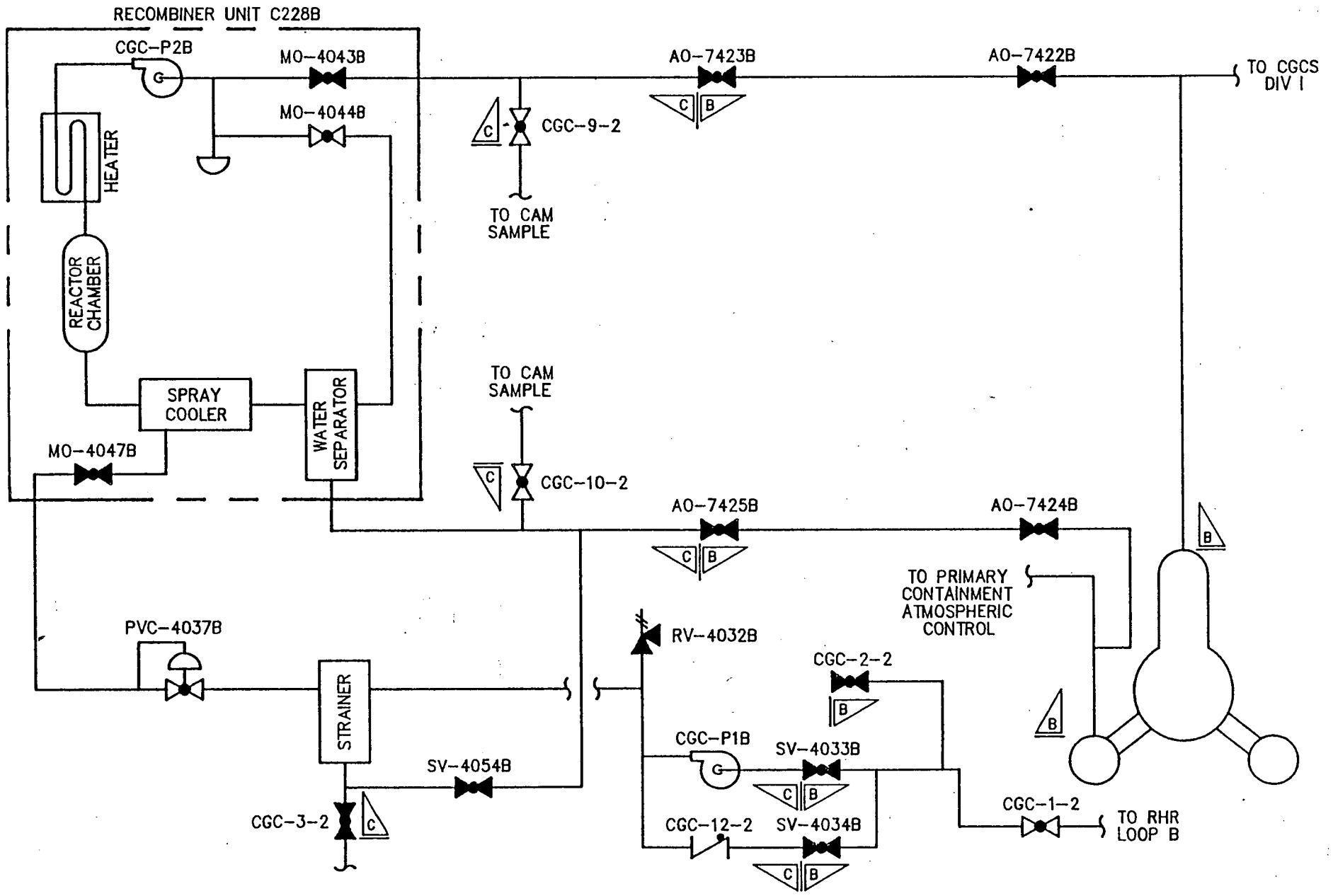
1.5-24

REVISION 0
11/14/91



COMBUSTIBLE GAS CONTROL, DIVISION I

DWN: CEP
REV: JB
APP: JB



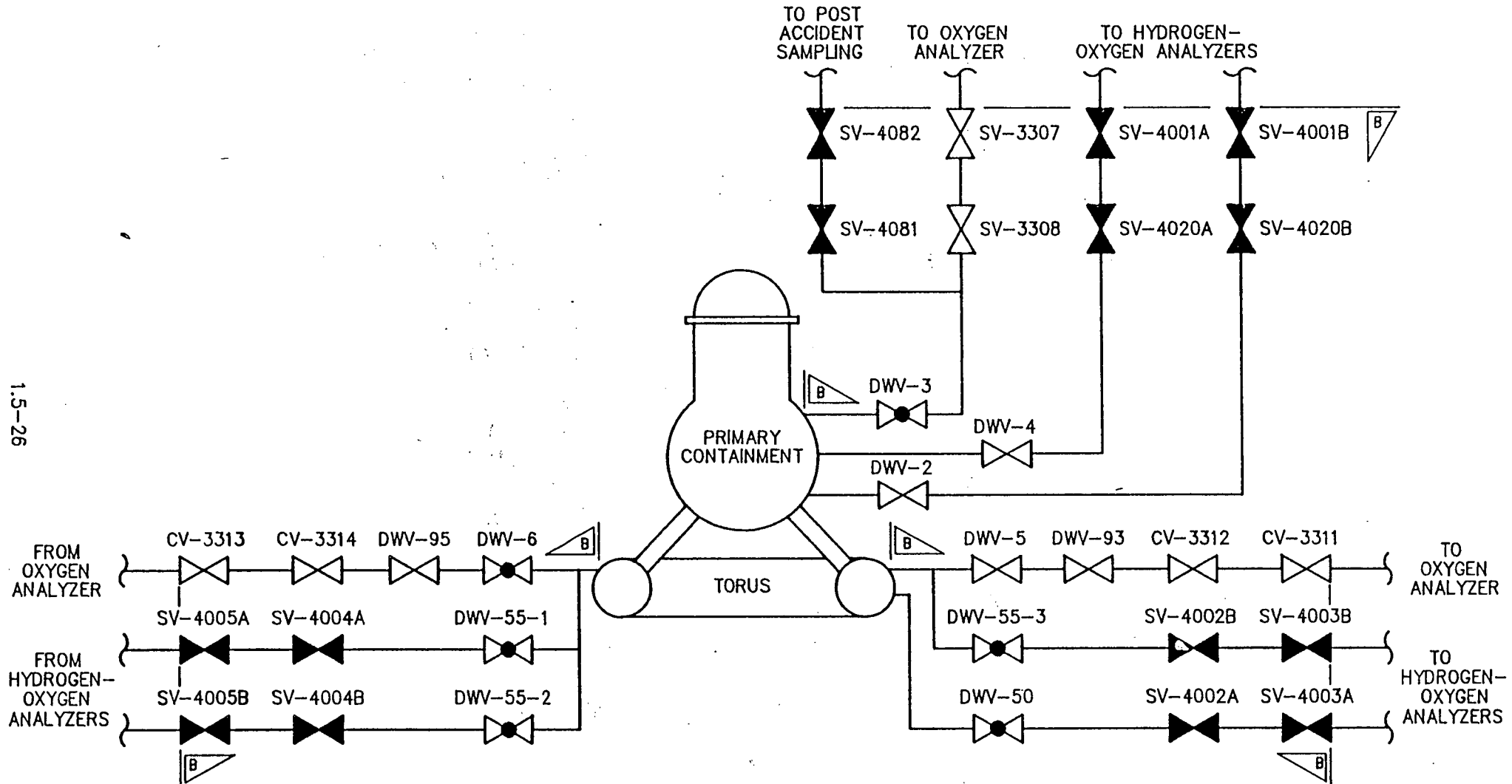
COMBUSTIBLE GAS CONTROL, DIVISION II

1.5-25

REVISION 0
11/14/91

DWN: CEP
REV: JB
APP: JB

1.5-26

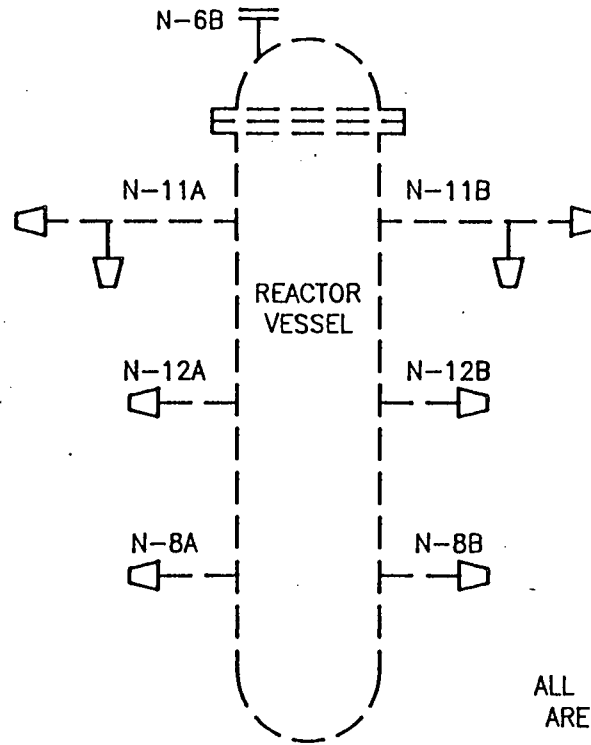


PRIMARY CONTAINMENT SAMPLING SYSTEMS

REVISION 0
11/14/91

DWN: CEP
REV: JB
App: JB

1.5-27



ALL BOUNDARIES SHOWN
ARE QUALITY GROUP A

REACTOR VESSEL

REVISION 0
11/14/91

ISI Isometric Drawings

<u>Title</u>	<u>Drawing No.</u>	<u>Rev. No.</u>
Reactor Vessel Interior	New Fig 0	0
Reactor Vessel Top Head	New Fig 1	1
CRD Location Reactor Vessel	New Fig 2	1
Reactor Vessel Bottom Head	New Fig 3	1
Reactor Vessel Welds	New Fig 4	1
Nozzle Vessel Welds	New Fig 5	1
Reactor Vessel Bolting	New Fig 6	1
Reactor Instrument Nozzle N11B	ISI-97007-A	1
Reactor Instrument Nozzle N11A	ISI-97008-A	1
Jet Pump Instrument Nozzles	New Fig-16	0
Reactor Instrument Nozzles	New ISI-19	1
Reactor Head Vent	ISI-782A-A	1
Reactor Head Vent	ISI-782-A	1
Reactor Bottom Head Drain	ISI-821-A	1
Main Steam A	ISI-13142-33-A	1
Main Steam B	ISI-13142-34-A	1
Main Steam C	ISI-13142-35-A	1
Main Steam D	ISI-13142-36-A	1
Main Steam Condensate Leakoff	ISI-786-A	1
Feedwater A and B	ISI-13142-53-A	1
Feedwater C and D	ISI-13142-52-A	1
Core Spray A	ISI-13142-26-A	1
Core Spray A	ISI-13142-26-B	1
Core Spray A	ISI-13142-26-C	1
Core Spray A	ISI-13142-20-B	1
Core Spray B	ISI-13142-31-A	1
Core Spray B	ISI-13142-31-B	1
Core Spray B	ISI-13142-31-C	1
Core Spray B	ISI-13142-20-A	1
Core Spray Pump Supports	New ISI-49	1
HPCI Steam	ISI-13142-42-A	1
HPCI Steam	ISI-13142-19-A	1
HPCI Water	ISI-13142-17-B	1
HPCI Water Discharge	ISI-13142-40-A	1
HPCI Water Discharge	ISI-13142-40-B	1
HPCI Pumps	ISI-8292-42-A	1
RWCU	ISI-73880-A	1

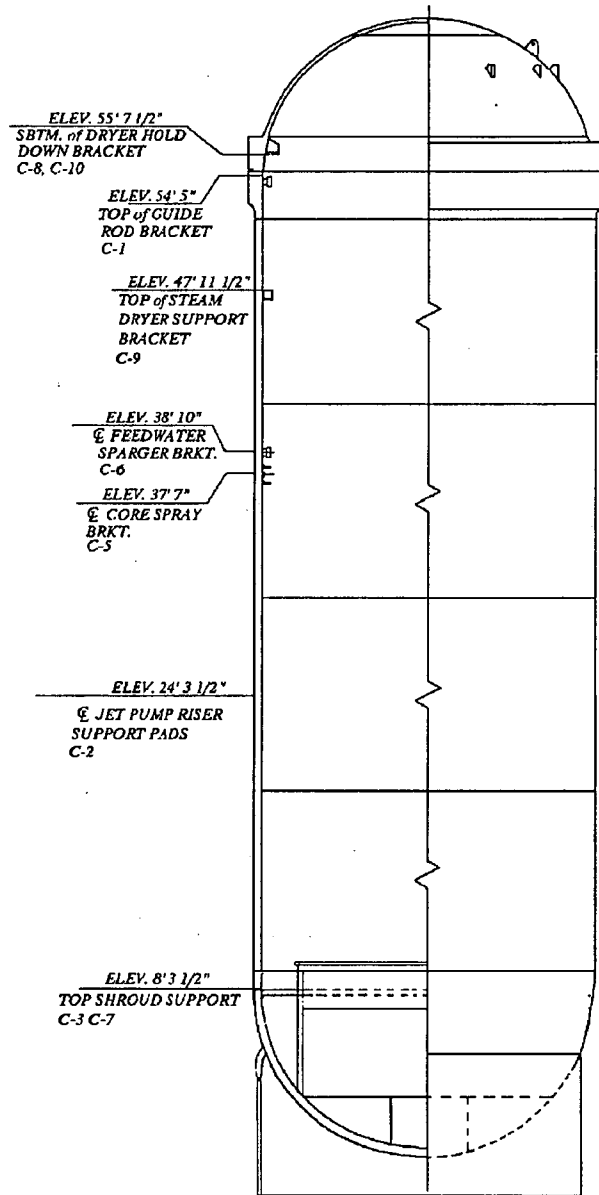
ISI Isometric Drawings

<u>Title</u>	<u>Drawing No.</u>	<u>Rev. No.</u>
RHR A	ISI-13142-51-A	1
RHR A	ISI-13142-37-C	1
RHR A	ISI-13142-37-A	1
RHR A Containment Spray	ISI-13142-37-B	1
RHR A	ISI-97003-B	1
RHR A Return	ISI-97003-A	1
RHR Reactor Vessel Head Cooling	ISI-13142-20-C	1
RHR A	ISI-13142-49-A	1
RHR	ISI-13142-17-A	1
RHR B	ISI-13142-18-B	1
RHR B	ISI-13142-18-C	0
RHR B	ISI-13142-51-B	1
RHR B	ISI-13142-18-A	1
RHR B	ISI-97004-A	1
RHR B	ISI-13142-17-C	1
RHR	ISI-97027-A	1
RHR Pumps	New ISI-48	1
RHR SW	ISI-13142-48-A	1
RHR SW	ISI-13142-48-B	1
RHR HX A	ISI-7905-32-A	1
RHR HX B	ISI-7905-32-B	1
RCIC Steam	ISI-13142-43-A	1
RCIC Steam Discharge	ISI-13142-19-B	1
RCIC Water	ISI-13142-41-A	1
RCIC Pump	New ISI-47	1
Fuel Pool Emergency Cooling	ISI-13142-67	0
Fuel Pool Emergency Cooling	ISI-13142-62	0
Recirc A	ISI-97005-A	1
Recirc A	ISI-97005-B	1
Recirc Pump A Supports	ISI-97005-C	1
Recirc A Drain	ISI-74209-1-A	1
Recirc B	ISI-97006-A	1
Recirc B	ISI-97006-B	1
Recirc Pump B Supports	ISI-97006-C	1
Recirc B Drain	ISI-74210-1-A	1
Standby Liquid Control	ISI-74215-A	1
CRD A	ISI-93268-1-A	1

Revision 1
7/23/93

ISI Isometric Drawings

<u>Title</u>	<u>Drawing No.</u>	<u>Rev. No.</u>
CRD	ISI-93268-1-B	1
CRD B	ISI-93268-3-A	1
RHR SW	ND-ISI-100	0
RHR SW	ND-ISI-101	0
RHR SW	ND-ISI-102	0
RHR SW	ND-ISI-103	0
RHR SW	ND-ISI-104	0
RHR SW	ND-ISI-105	0
RHR SW	ND-ISI-106	0
RHR SW	ND-ISI-107	0
RHR SW	ND-ISI-108	0
RHR SW	ND-ISI-109	0
RHR SW	ND-ISI-110	0
RHR SW	ND-ISI-111	0
ESW	ND-ISI-123	0
CGCS	ND-ISI-141	0
CGCS	ND-ISI-142	0
CGCS	ND-ISI-144	0
CGCS	ND-ISI-145	0



ELEV. 55' 7 1/2"
SBTM. of DRYER HOLD
DOWN BRACKET
C-8, C-10

ELEV. 54' 5"
TOP of GUIDE
ROD BRACKET
C-1

ELEV. 47' 11 1/2"
TOP of STEAM
DRYER SUPPORT
BRACKET
C-9

ELEV. 38' 10"
Q FEEDWATER
SPARGER BRKT.
C-6

ELEV. 37' 7"
Q CORE SPRAY
BRKT.
C-5

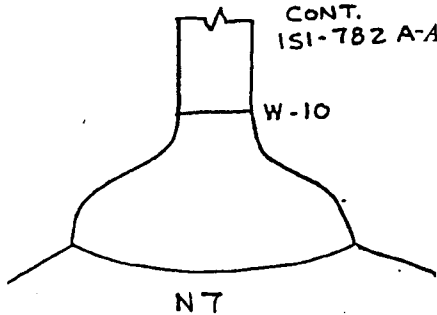
ELEV. 24' 3 1/2"
Q JET PUMP RISER
SUPPORT PADS
C-2

ELEV. 8' 3 1/2"
TOP SHROUD SUPPORT
C-3 C-7

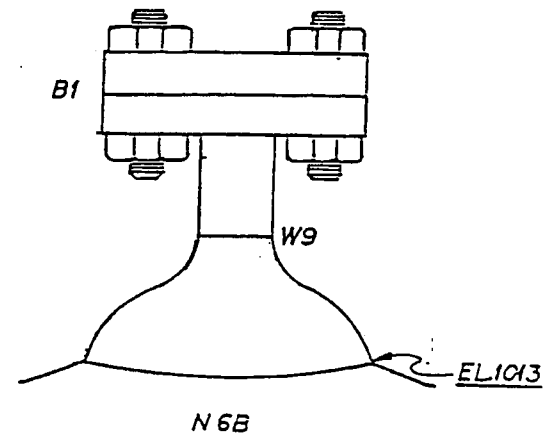
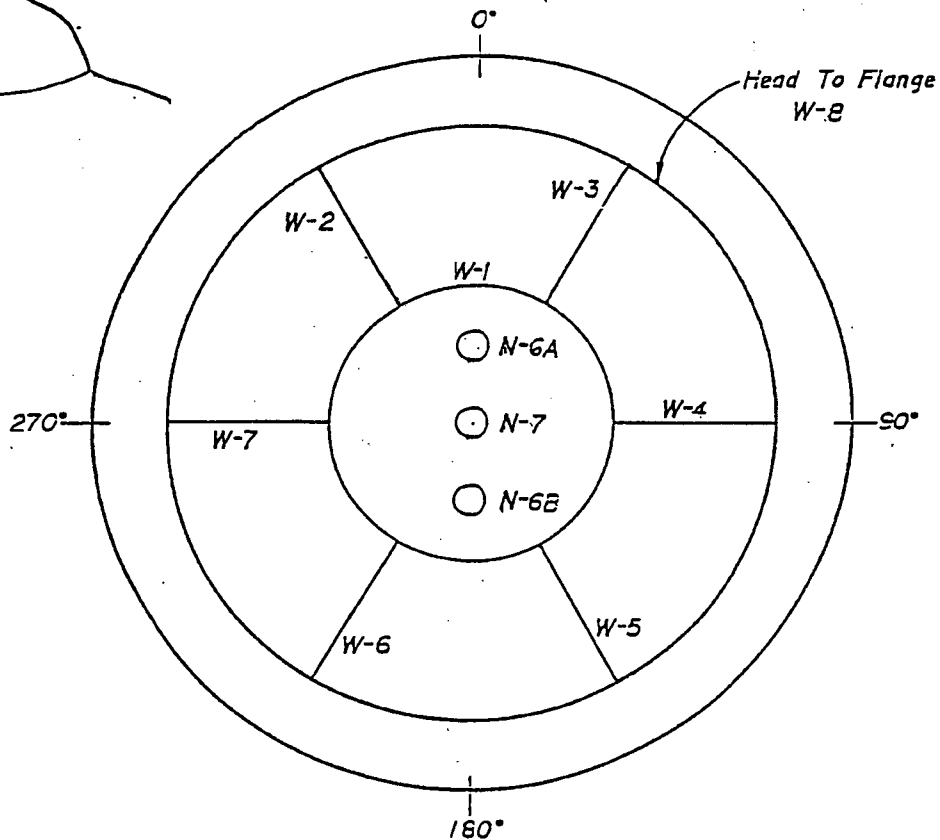
ELEVATION VIEW

NSP - MONTICELLO	ISI
DWN: <i>MH</i>	CHKD: <i>MV</i> APPD: <i>MV</i>
SYSTEM: <i>Rx Vessel Interior</i>	
LINE NO: _____	
DWG NO: <i>New Fig. 0</i>	REV: <i>0</i>

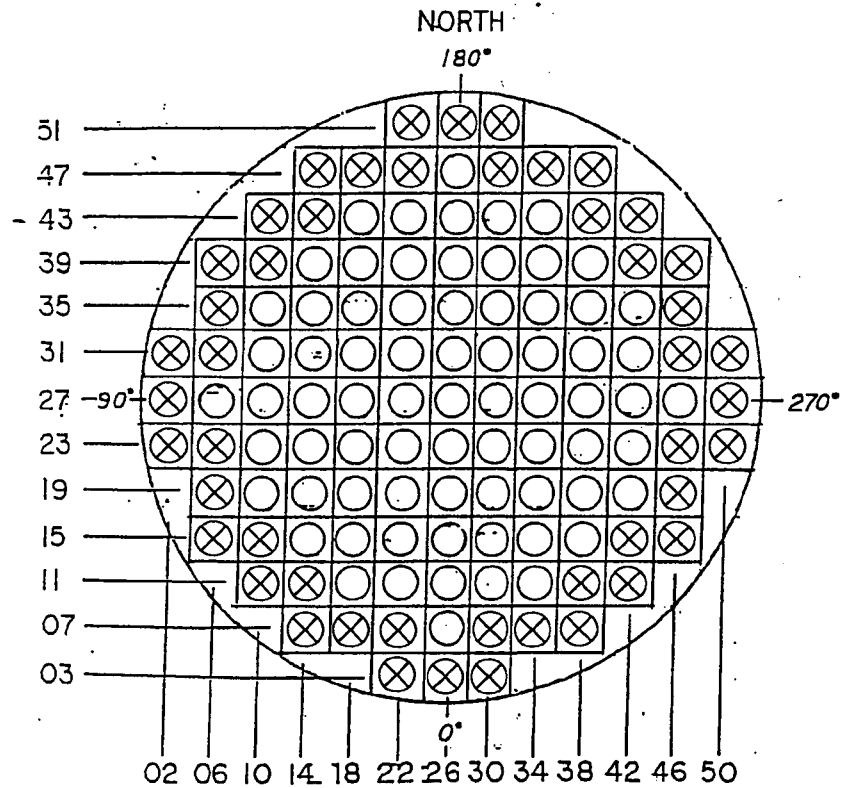
CONT.
ISI-782 A-A



N6A Cont'd
ISI-13142-20-C

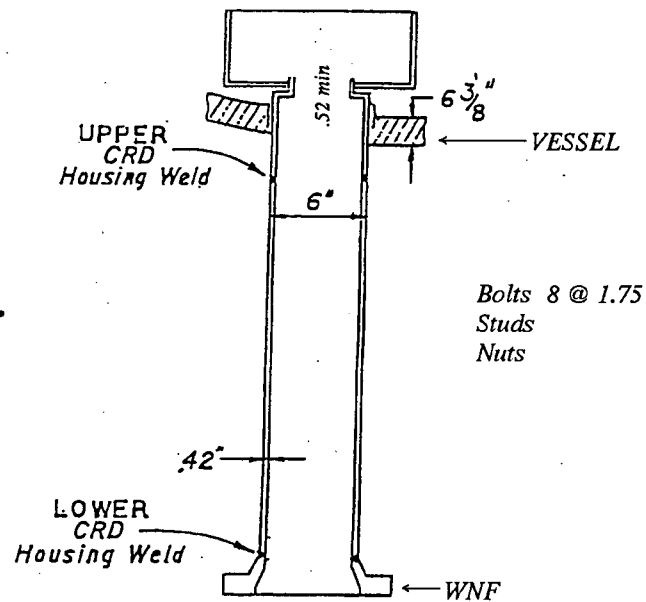


NSP - MONTICELLO	ISI	
DWN: MH	CHKD: MV	APPD: MV
SYSTEM: <u>RX Vessel Top Head</u>		
LINE NO: _____		
DWG NO: <u>New Fig. 1</u>		REV: <u>1</u>



VIEW LOOKING DOWN

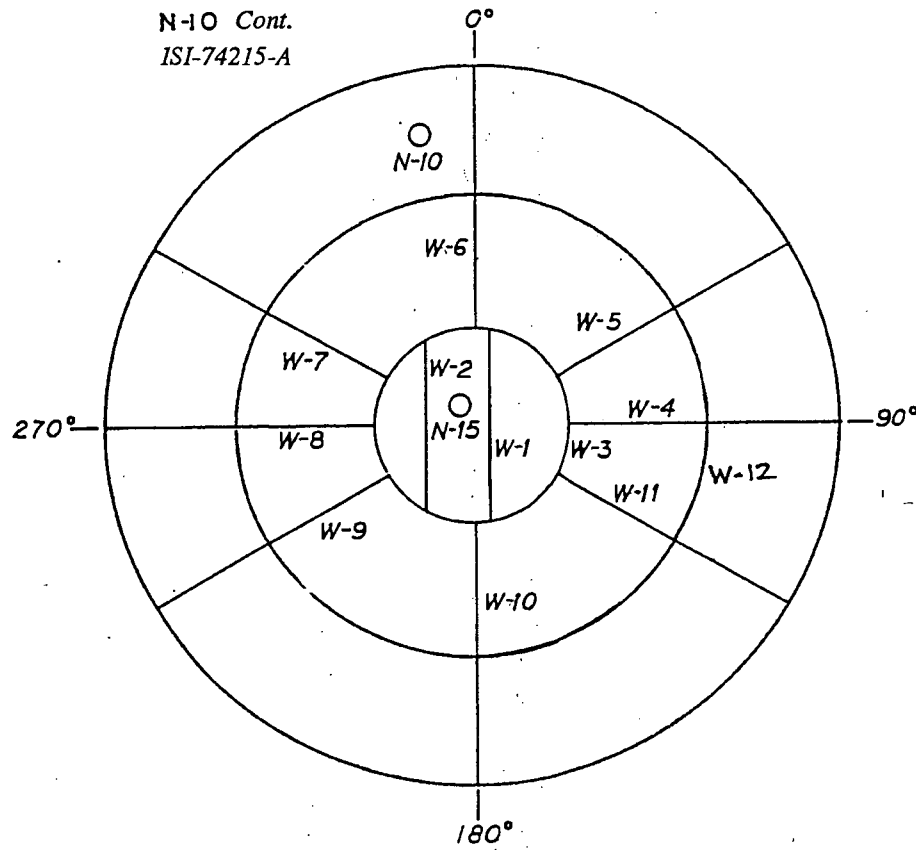
CONTROL ROD DRIVE LOCATION & HOUSING WELD.
(Typical)



NSP - MONTICELLO	ISI
DWN: MH	CHKD: <i>MV</i> APPD: <i>MV</i>
SYSTEM: <u>CRD Location RX Vessel</u>	
LINE NO: _____	
DWG NO: <u>New Fig. 2</u>	REV: <u>1</u>

N-10 Cont.
ISI-74215-A

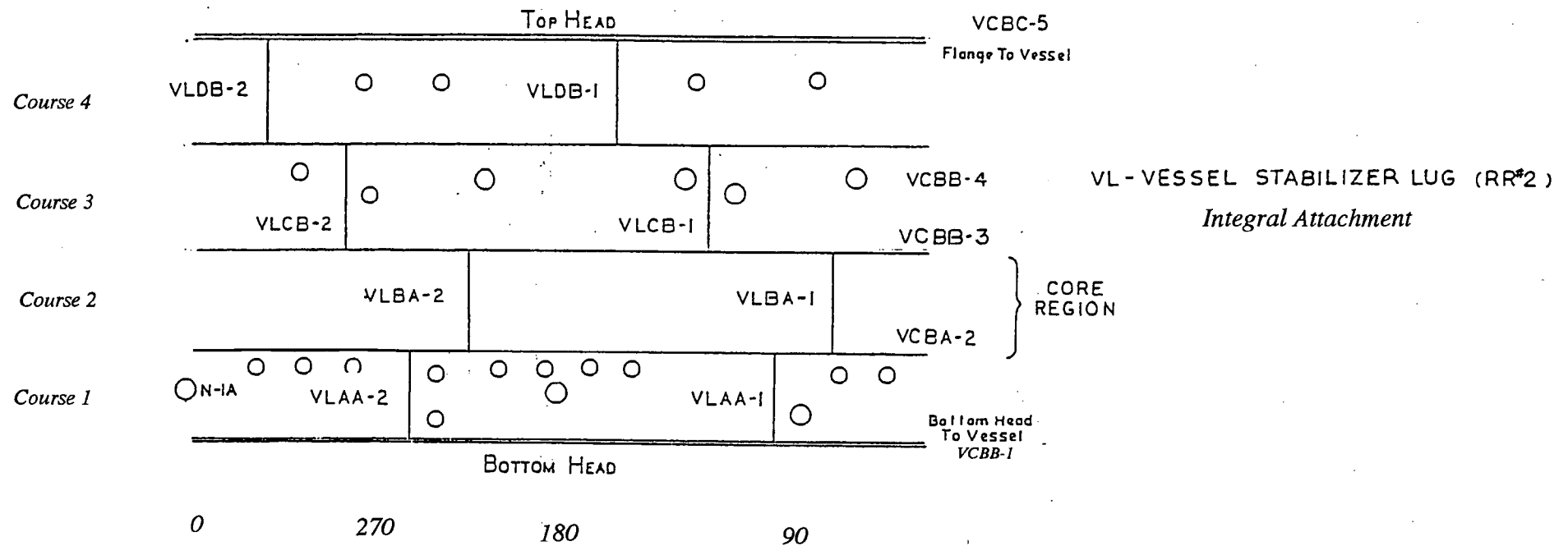
N-15 Cont'd
ISI-821-A



Reactor Vessel Bottom Head

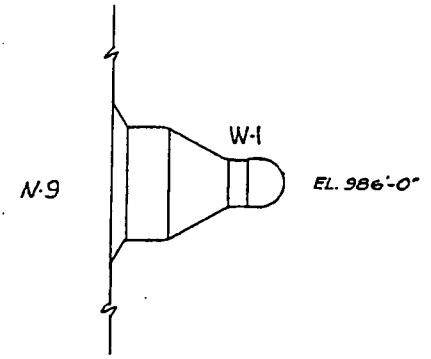
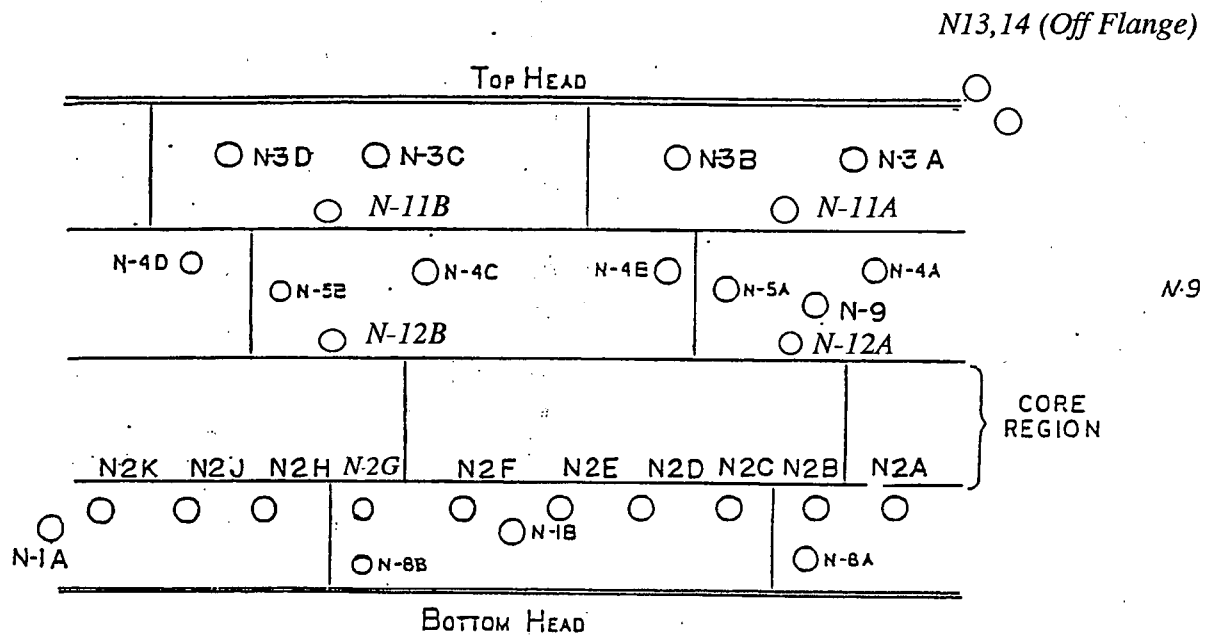
Weld No	Description
W-1 W-2	Bottom Head Dollar Plate Seam Weld
W-3	Bottom Head Dollar Plate To Side Plates
W-4 to W-11	Bottom Head Side Plates Meridional Welds
W-12	Bottom Head Skirt Weld

NSP - MONTICELLO	ISI
DWN: MH	CHKD: M ✓ APPD: M ✓
SYSTEM: <u>Rx Vessel Bottom Head</u>	
LINE NO: _____	
DWG NO: <u>New Fig 3</u>	REV: <u>1</u>

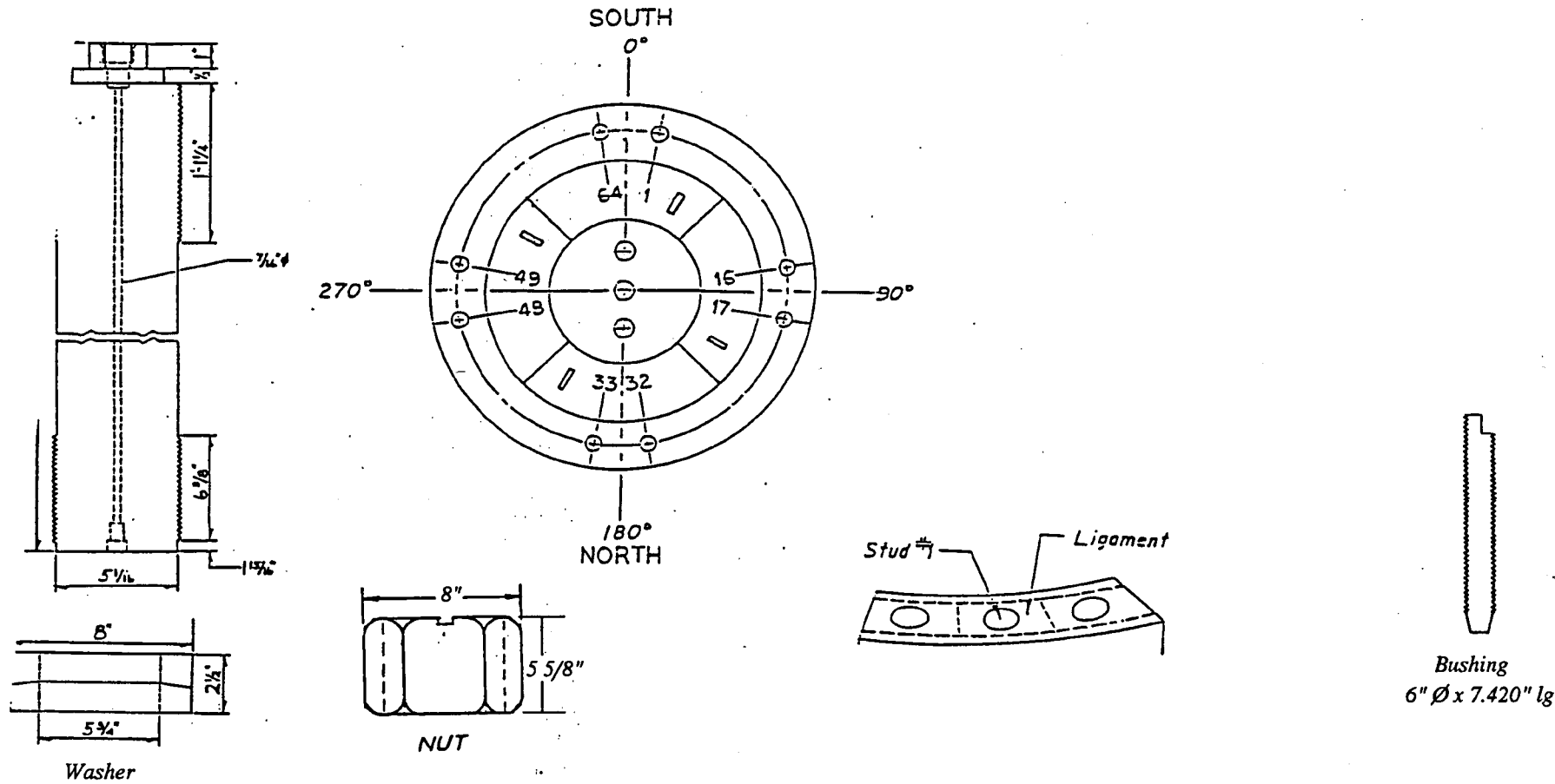


Circumferential And Longitudinal Vessel Welds

NSP - MONTICELLO	ISI
DWN: MH	CHKD: M ✓ APPD: M ✓
SYSTEM: <u>Reactor Vessel Welds</u>	
LINE NO: _____	
DWG NO: <u>New Fig. 4</u> REV: <u>1</u>	

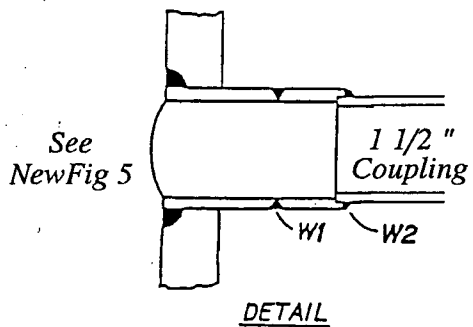
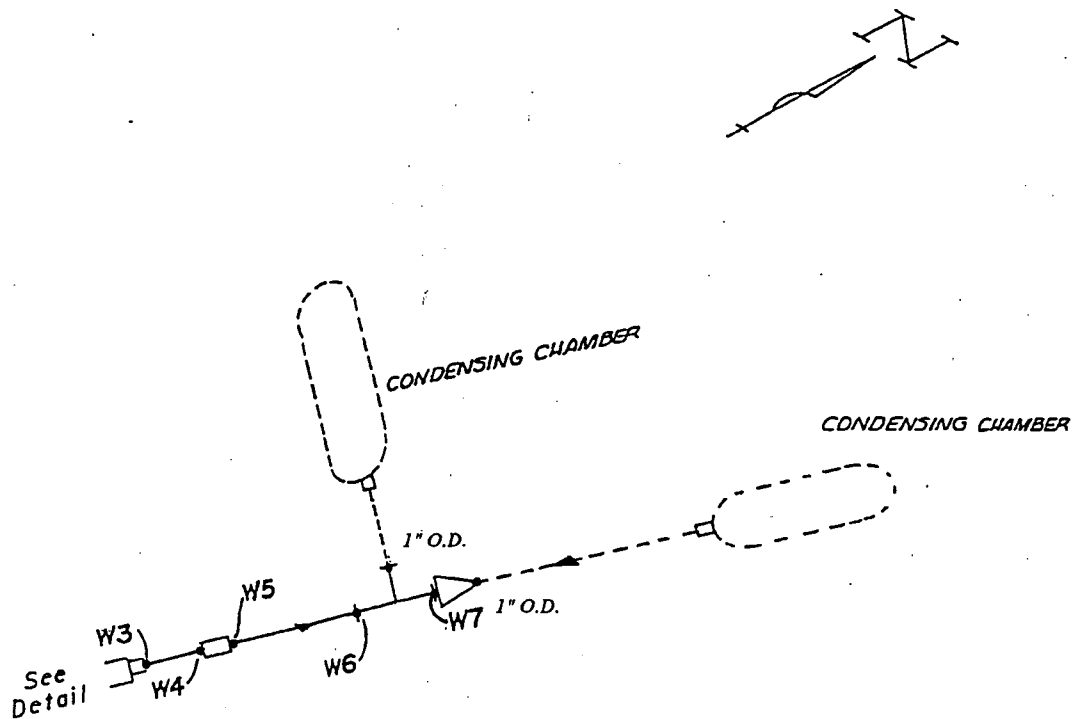


NSP - MONTICELLO	ISI
DWN: <i>MH</i>	CHKD: <i>MV</i> APPD: <i>MV</i>
SYSTEM: <i>Nozzle Vessel Welds</i>	
LINE NO: _____	
DWG NO: <i>New Fig. 5</i> REV: <i>1</i>	



REACTOR VESSEL STUD, WASHER & LIGAMENT LOCATION

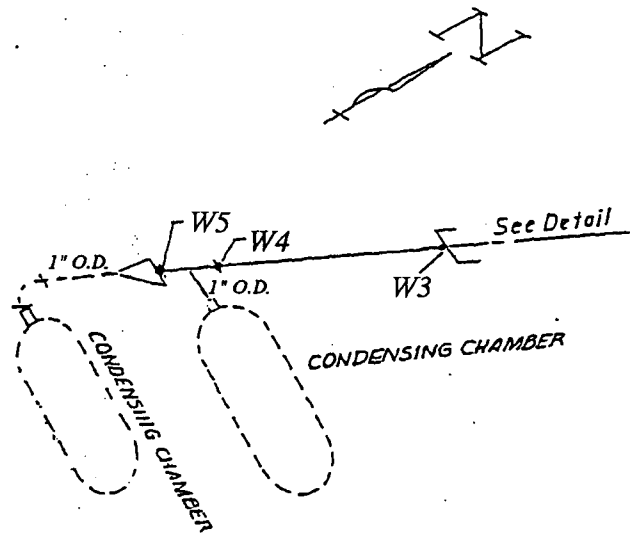
NSP - MONTICELLO	ISI
DWN: MH	CHKD: m/v APPD: m/v
SYSTEM: <u>Reactor Vessel Bolting</u>	
LINE NO:	
DWG NO: <u>New Fig. 6</u>	REV: <u>1</u>



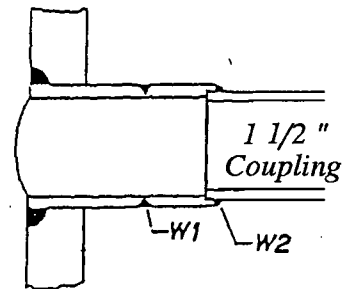
INSTRUMENT NOZZLE N11B

Ref. Dwg. NF-97007

NSP - MONTICELLO	ISI
DWN: KM	CHKD: MV APPD: MV
SYSTEM: <u>RX Inst. Nozzle N11B</u>	
LINE NO: <u>RLM2-1 1/2-DCA</u>	
DWG. NO: <u>ISI-97007-A</u>	REV: <u>1</u>



See
NewFig 5



DETAIL

INSTRUMENT NOZZLE N11A

Ref. Dwg. NF-97008

NSP - MONTICELLO	ISI
DWN: KM	CHKD: MV APPD: MV
SYSTEM: <u>RX Inst Nozzle N11A</u>	
LINE NO: <u>RLM1-1 1/2-DCA</u>	
DWG. NO: <u>ISI-97008-A</u>	REV: <u>1</u>

N8A

INSTRUMENT A

W-1



N8B

INSTRUMENT B

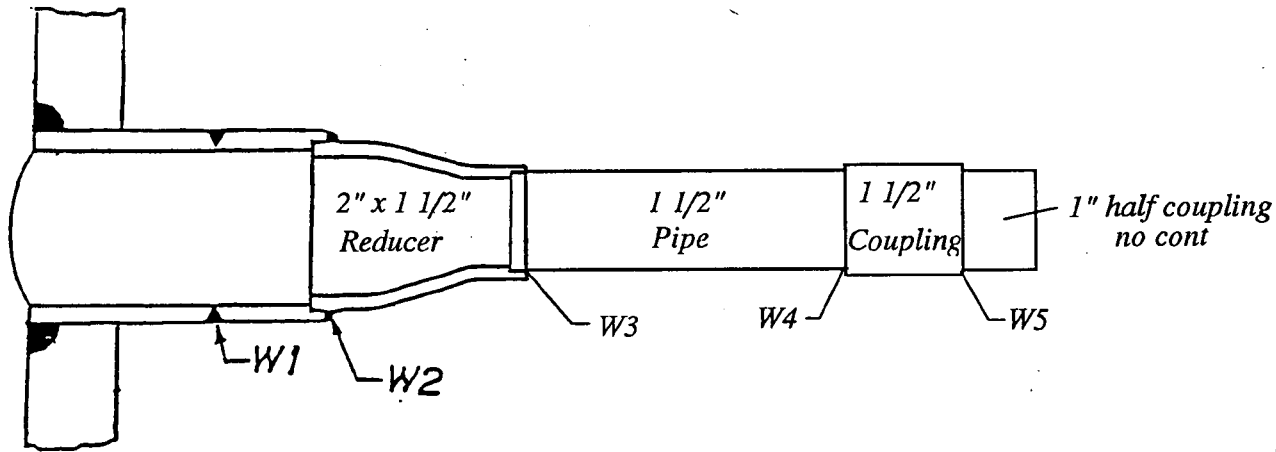
W-2



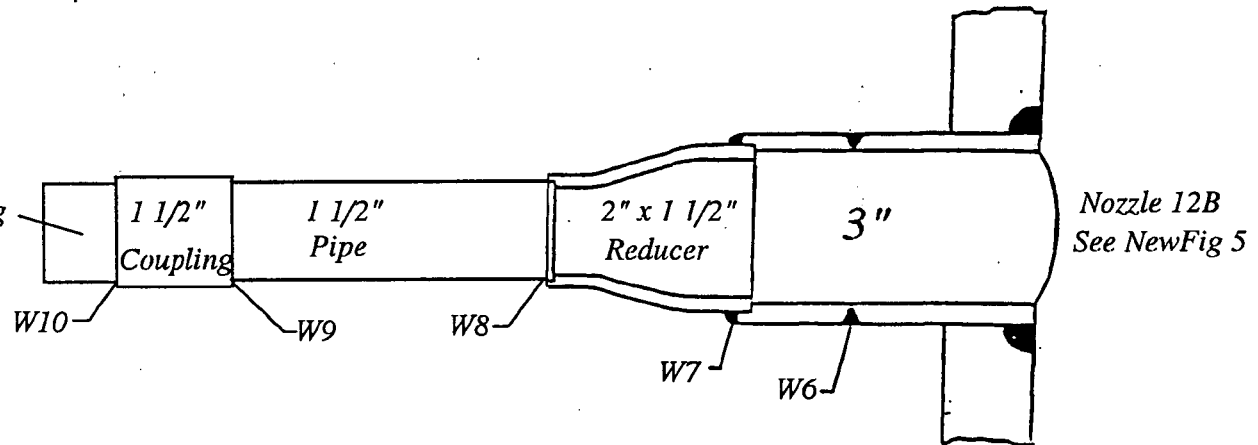
JET PUMP INSTRUMENTATION

NSP - MONTICELLO	ISI
DWN: <i>KM</i> CHKD: <i>MV</i> APPD: <i>MV</i>	
SYSTEM: <i>Jet Pump Instrument Nozzle</i>	
LINE NO: _____	
DWG NO: <i>New Fig 16</i>	REV: <i>0</i>

Nozzle 12A
See NewFig 5



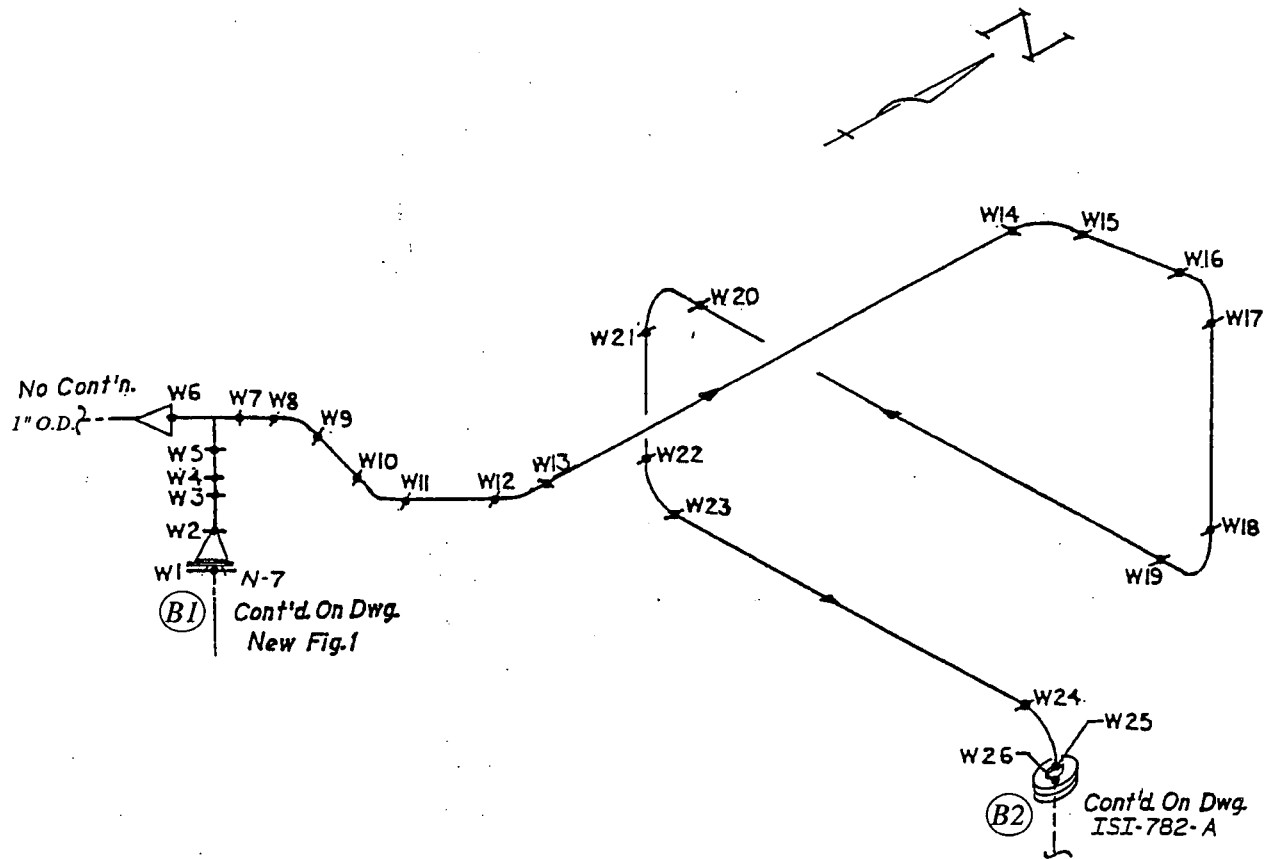
1" half coupling
no cont



Nozzle 12B
See NewFig 5

Nozzle 12A Ref. Dwg. NF-97010
Nozzle 12B Ref. Dwg. NF-97009

NSP - MONTICELLO	ISI	
DWN: KM	CHKD: MV	APPD: MV
SYSTEM: <u>RX Instrument Nozzles</u>		
LINE NO: <u>RLM 3-1" DCA & RLM 4-1" DCA</u>		
DWG. NO: <u>New ISI-19</u>	REV: <u>1</u>	

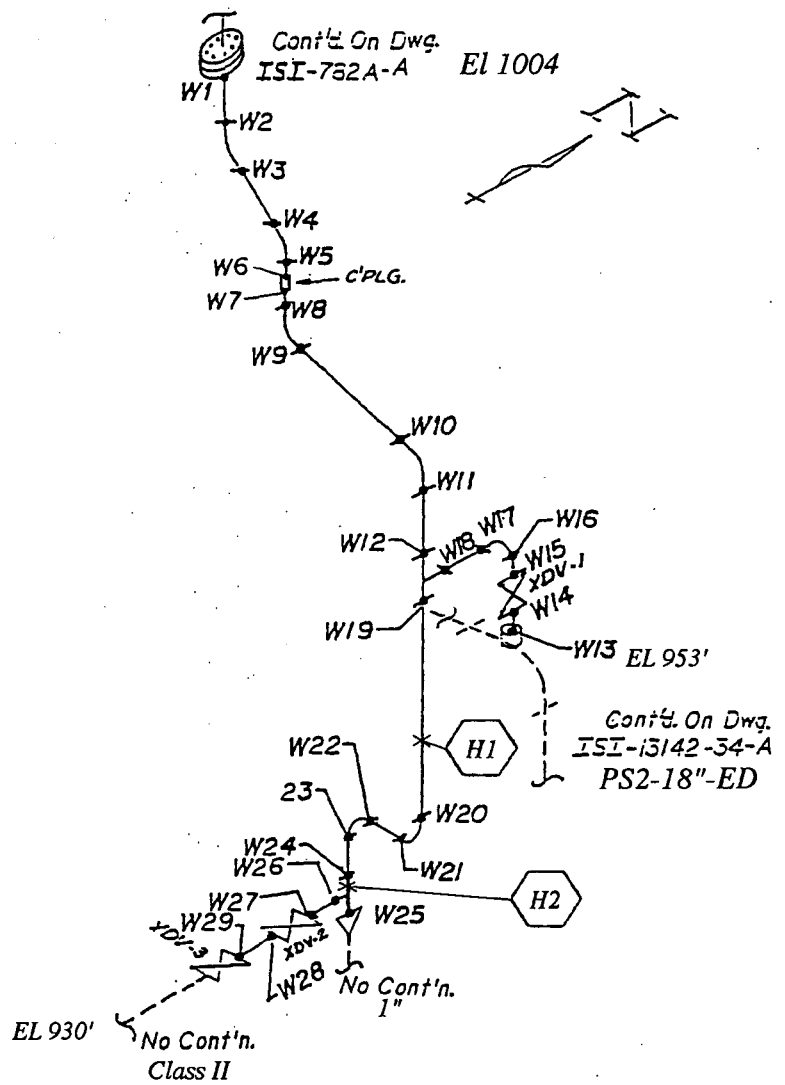


(B1) Cont'd. On Dwg.
New Fig.1

(B2) Cont'd. On Dwg.
ISI-782-A

NSP - MONTICELLO	IS
DWN: KM	CHKD: MV APPD: MV
SYSTEM: RX Head Vent	
LINE NO: V15-2-F2	
DWG. NO: ISI-782A-A	REV: 1

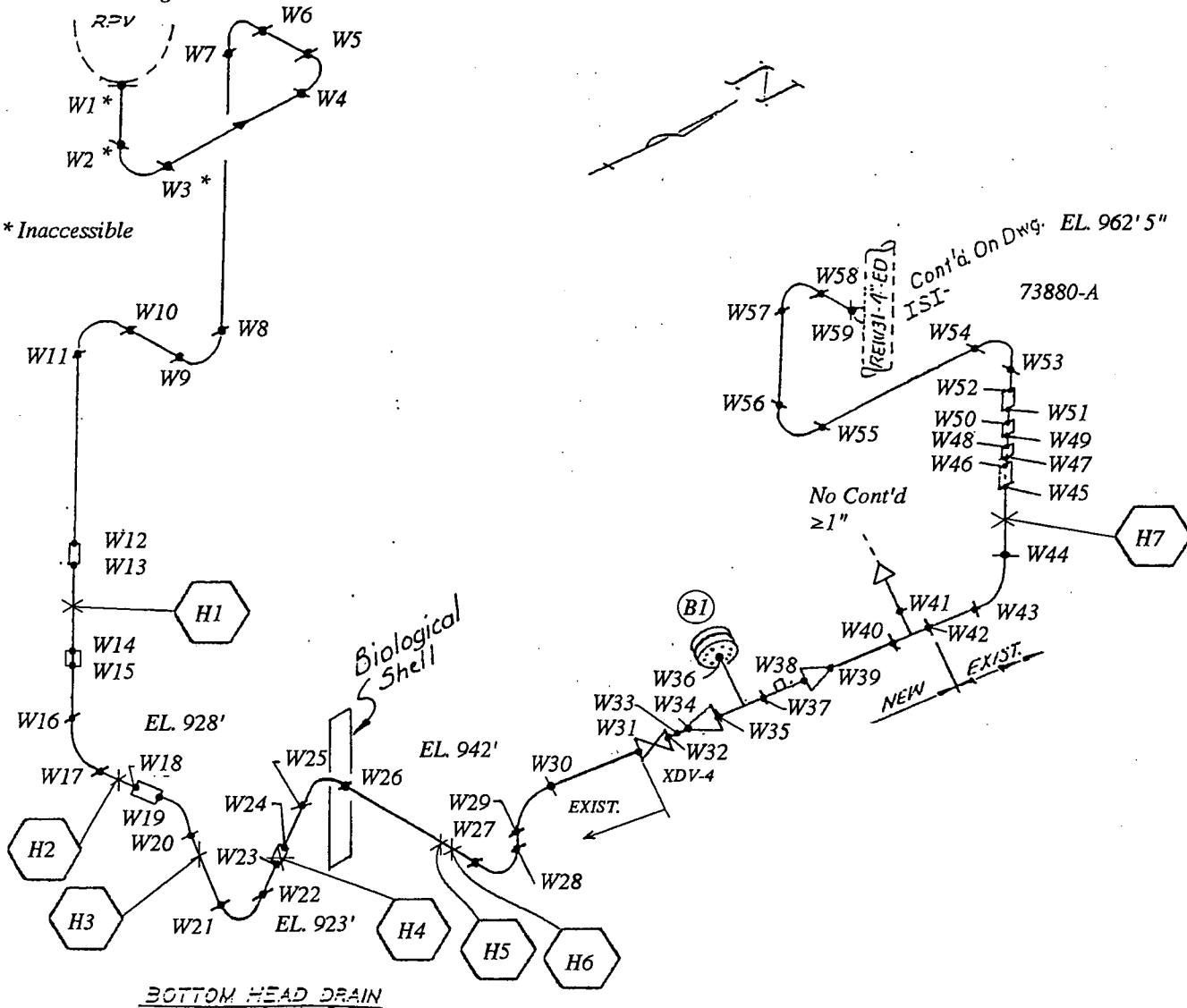
Ref. Dwg. FSK-782



NSP - MONTICELLO	ISI
DWN: KM	CHKD: MV APPD: MV
SYSTEM: <u>RX Head Vent</u>	
LINE NO: <u>V15-2-ED</u>	
DWG. NO: <u>ISI-782-A</u>	REV: <u>1</u>

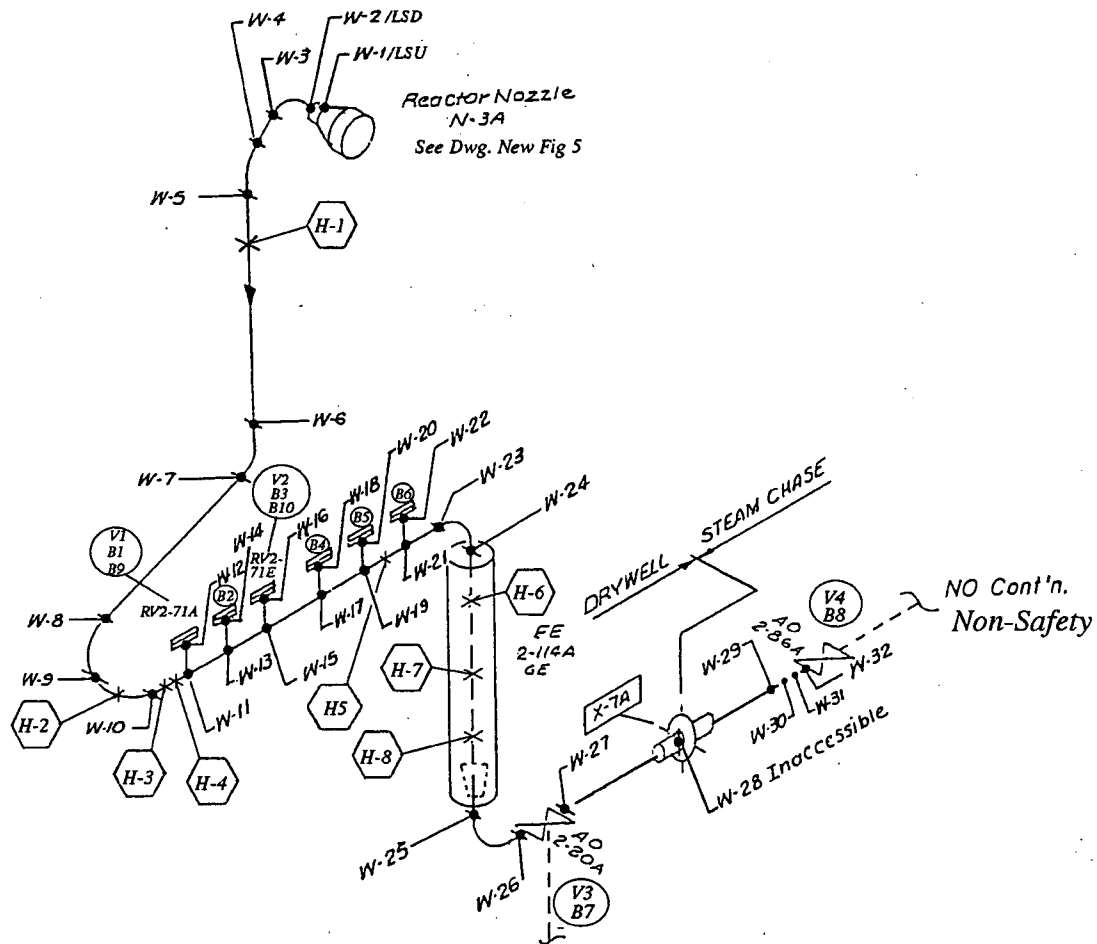
Ref. Dwg. FSK-782

Cont'd On Fig. 3



Ref. Dwg. FSK-821

NSP - MONTICELLO	ISI
DWN: MH	CHKD: MV APPD: MV
SYSTEM: RX Bottom Head Drain	
LINE NO: REW31-2-ED	
DWG NO: ISI-821-A	REV: 1



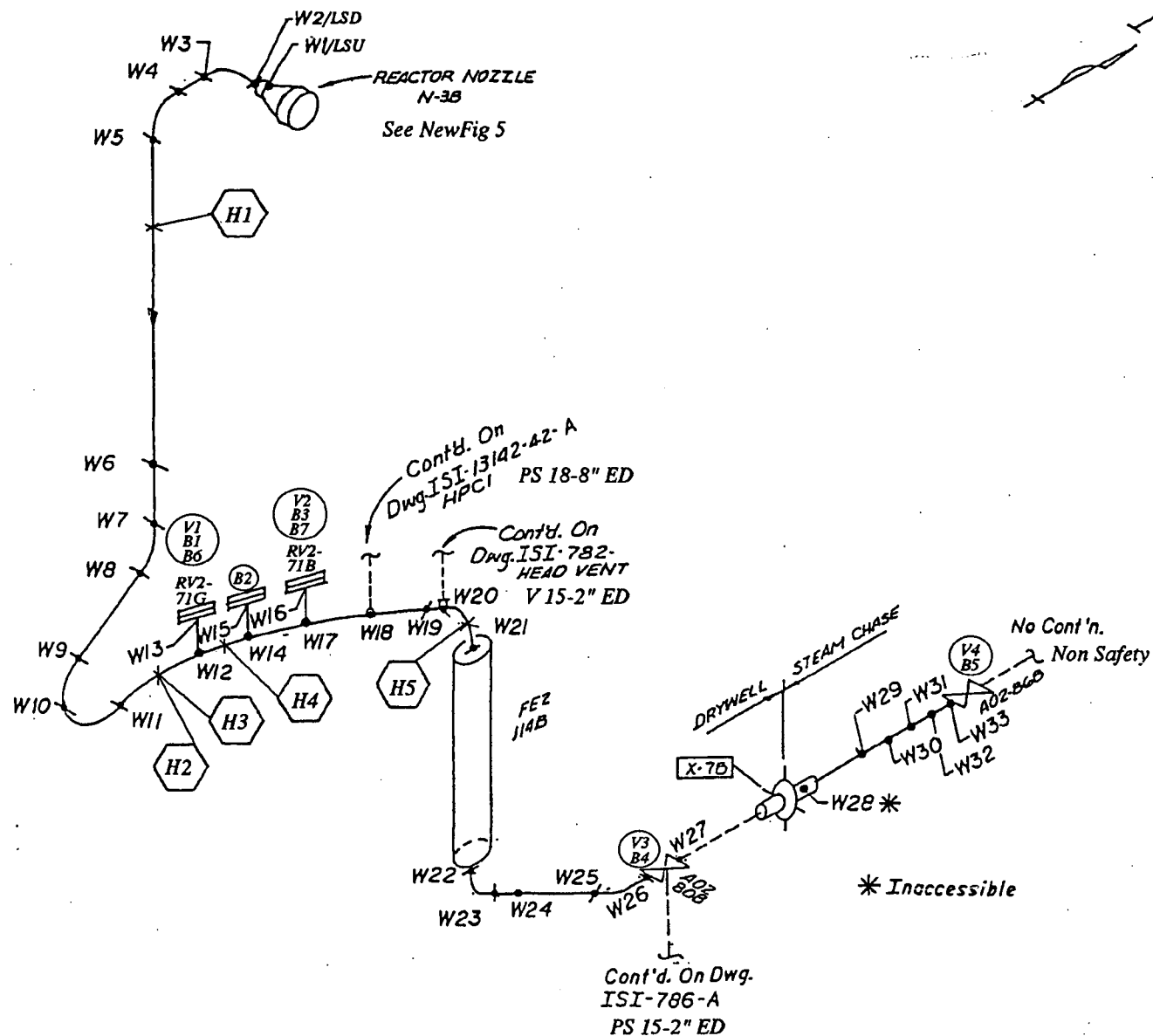
Reactor Nozzle
N-3A
See Dwg. New Fig 5

NO Cont'n.
Non-Safety

Cont'd. On Dwg.
ISI-786-A
PS 15A-2" ED

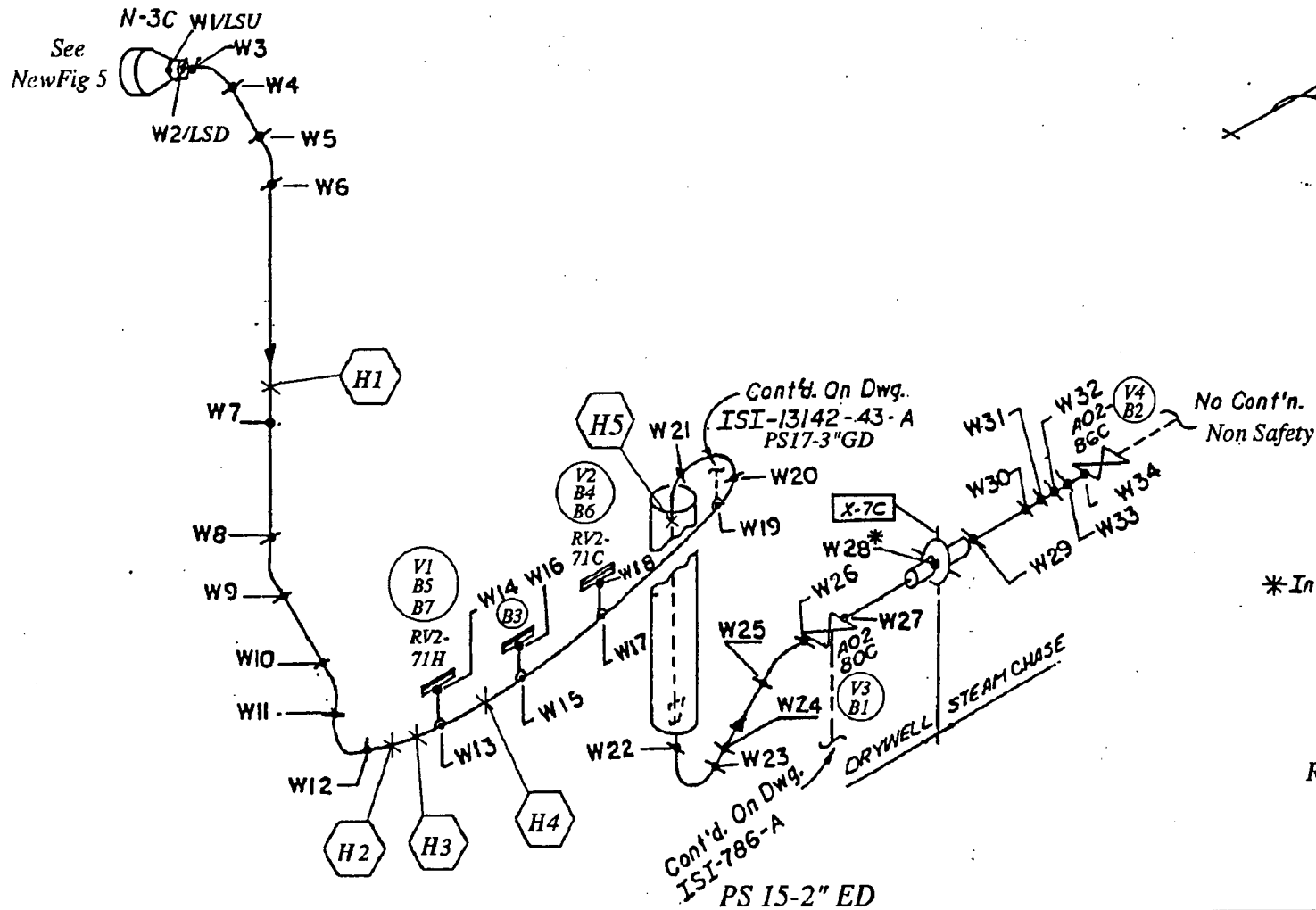
Ref. Dwg. NX-13142-33
NF-36271
NF-36271-1
NH-95008-1,2

NSP - MONTICELLO	ISI
DWN: KM	CHKD: MV APPD: MV
SYSTEM: <u>Main Steam A</u>	
LINE NO: <u>PSI-18-ED</u>	
DWG. NO: <u>ISI-13142-33-A</u> REV: <u>1</u>	



Ref. Dwg. NX-13142-34
 NF-36271
 NF-36271-1
 NH-95008-1,2

NSP - MONTICELLO	ISI
DWN: KM	CHKD: MV APPD: MV
SYSTEM: <u>Main Steam B</u>	
LINE NO: <u>PS2-18-ED</u>	
DWG. NO: <u>ISI-13142-34-A</u> REV: <u>1</u>	

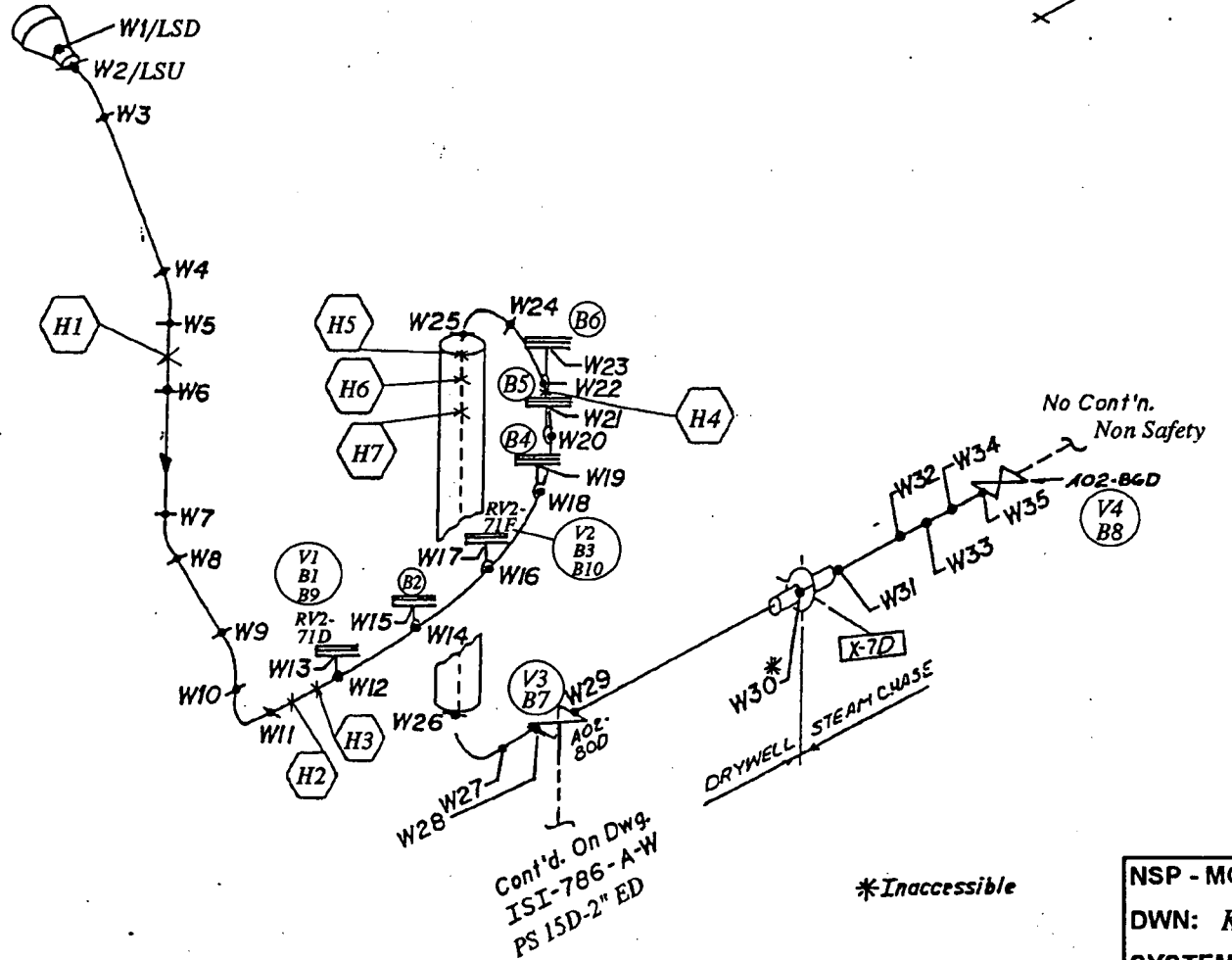


*Inaccessible

Ref. Dwgs. NX-13142-35
 NF-36271
 NF-36271-1
 NH-95008-1
 NH-95008-2

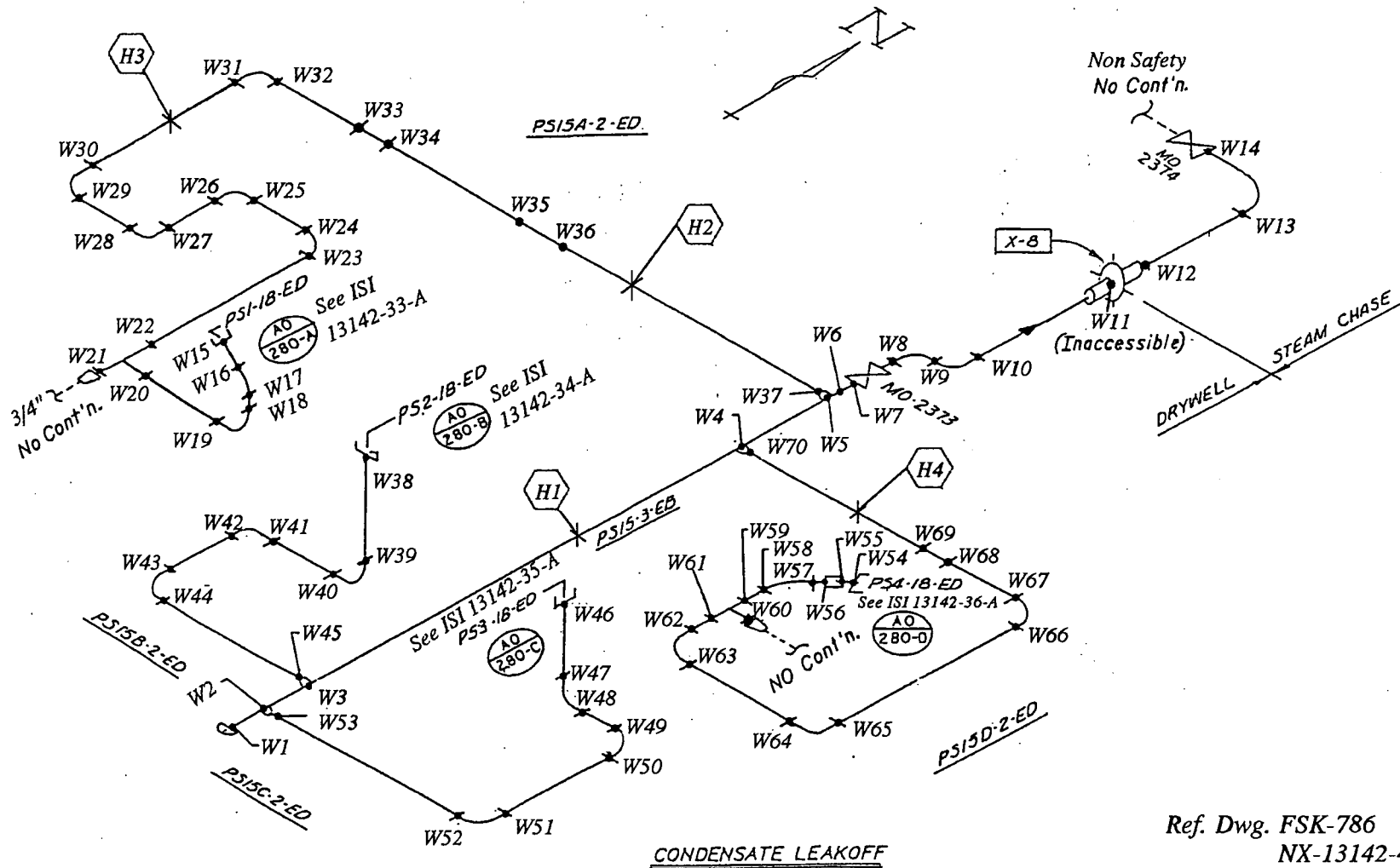
NSP - MONTICELLO	ISI
DWN: KM	CHKD: MV APPD: MV
SYSTEM: <u>Main Steam C</u>	
LINE NO: <u>PS3-18-ED</u>	
DWG. NO: <u>ISI-13142-35-A</u> REV: <u>1</u>	

See New Fig 5
N-3D



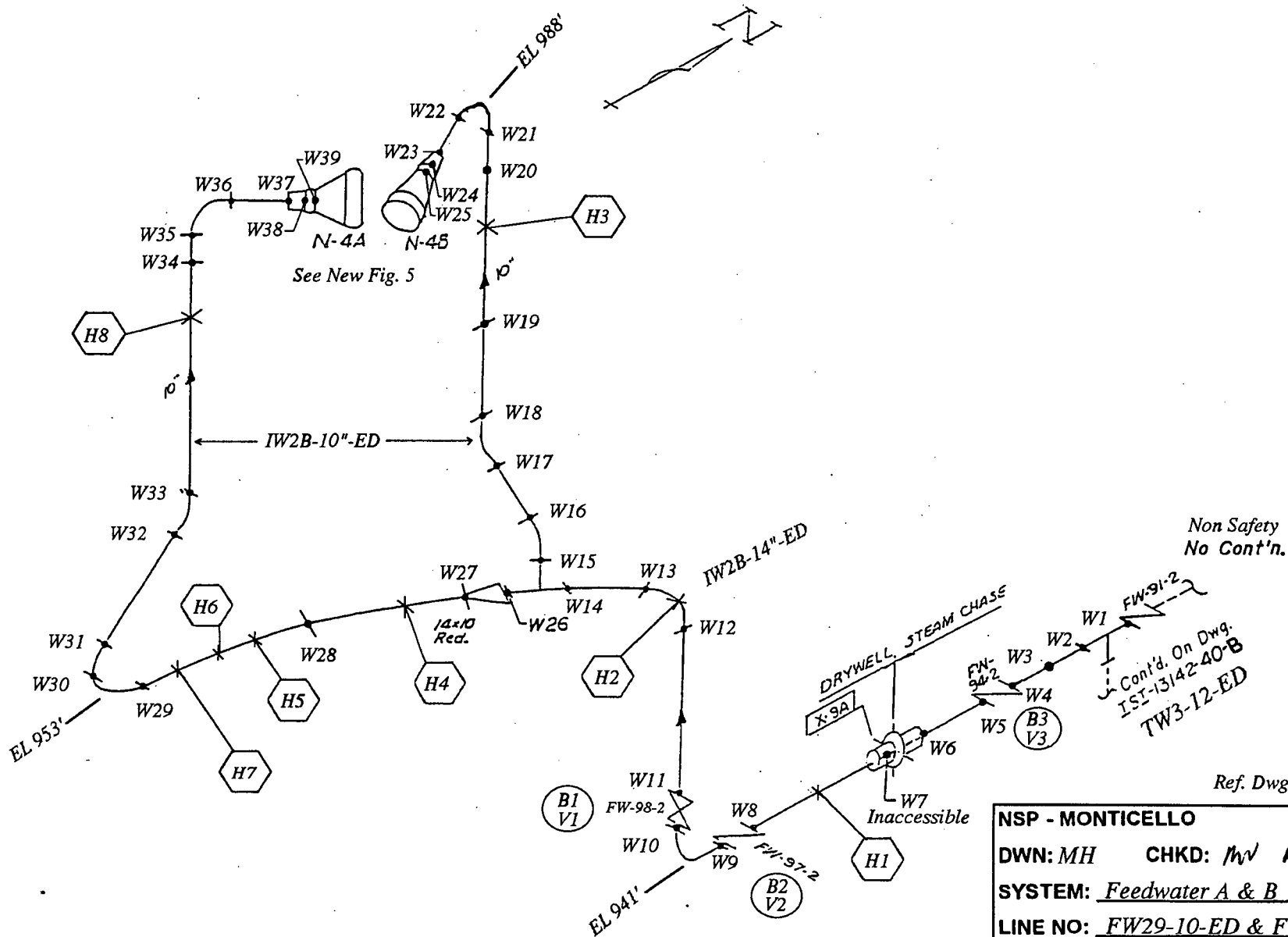
Ref. Dwgs. NX-13142-36
NF-36271
NF-36271-1
NH-95008-1
NH-95008-2

NSP - MONTICELLO	ISI
DWN: KM	CHKD: MV APPD: MV
SYSTEM: <u>Main Steam D</u>	
LINE NO: <u>PS4-18-ED</u>	
DWG. NO: <u>ISI-13142-36-A</u> REV: <u>1</u>	



Ref. Dwg. FSK-786
NX-13142-42

NSP - MONTICELLO	ISI
DWN: KM	CHKD: MV APPD: MV
SYSTEM: <u>Main Steam CL</u>	
LINE NO: <u>Noted</u>	
DWG. NO: <u>ISI-786-A</u>	REV: <u>1</u>

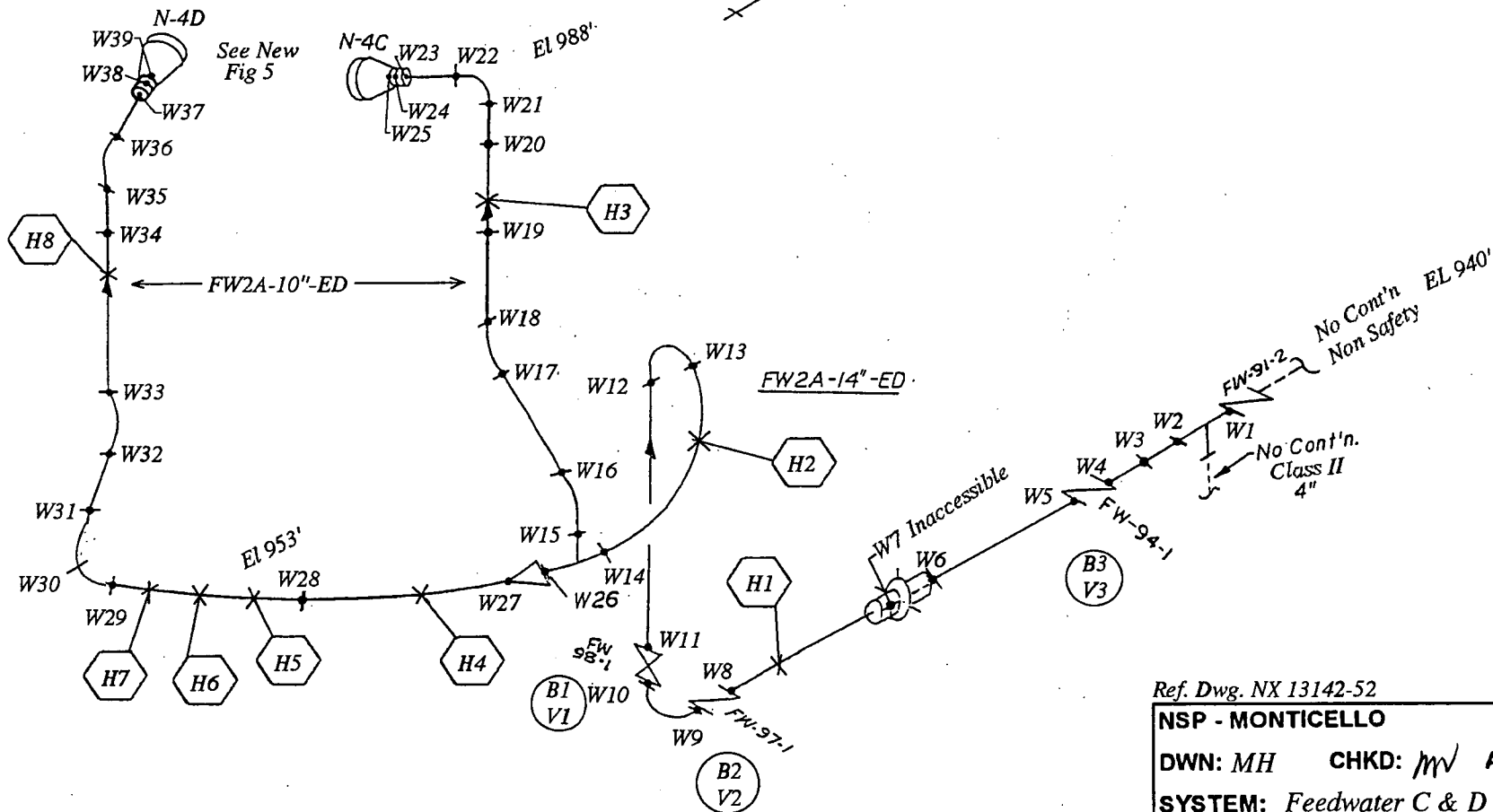


Non Safety
No Cont'n.

Cont'd. On Dwg.
ISI-13142-40-B
TW3-12-ED

Ref. Dwg. NX-13142-53

NSP - MONTICELLO		ISI
DWN: MH	CHKD: <i>MV</i>	APPD: <i>MV</i>
SYSTEM: <i>Feedwater A & B</i>		
LINE NO: <i>FW29-10-ED & FW29-14-ED</i>		
DWG. NO: <i>ISI-13142-53-A</i>		REV: <i>1</i>



Ref. Dwg. NX 13142-52

NSP - MONTICELLO

ISI

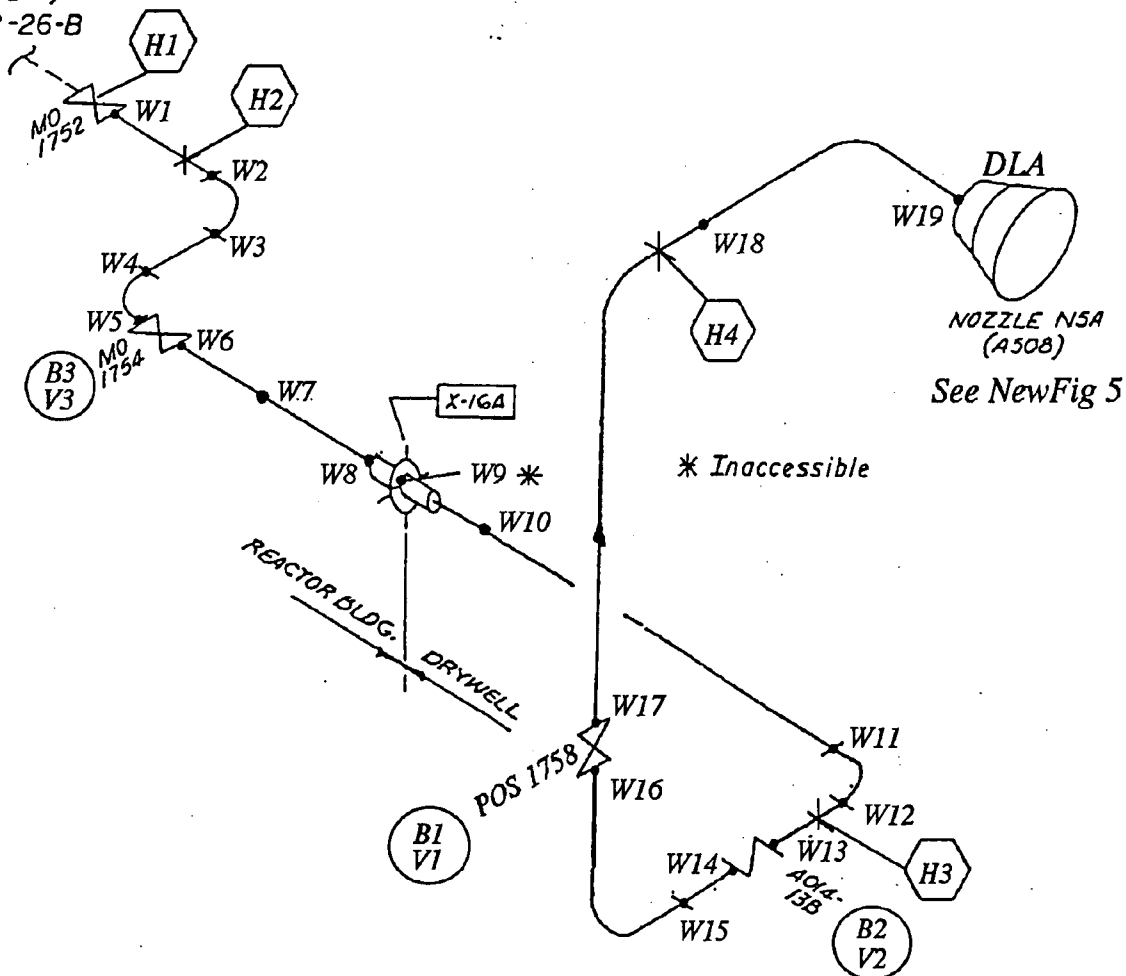
DWN: MH CHKD: *mv* APPD: *mv*

SYSTEM: Feedwater C & D

LINE NO: Noted

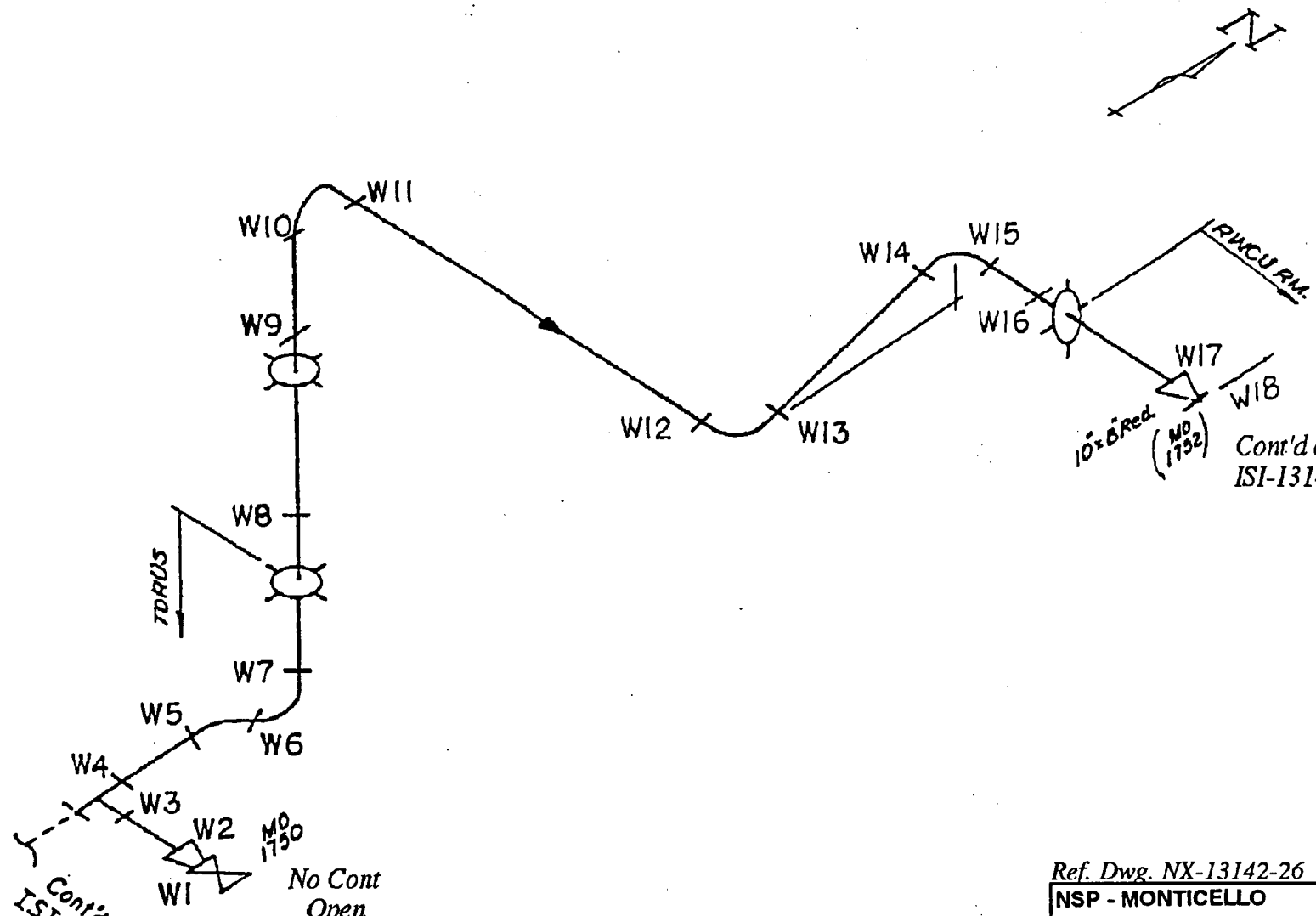
DWG. NO: ISI-13142-52-A REV: 1

Cont'd. On Dwg.
ISI-13142-26-B



CORE SPRAY 'A'

Ref. Dwg. 13142-26		ISI
NSP - MONTICELLO		
DWN: KM	CHKD: Mv	APPD: Mv
SYSTEM: Core Spray A		
LINE NO: TW7-8-ED		
DWG. NO: ISI-13142-26-A		REV: 1



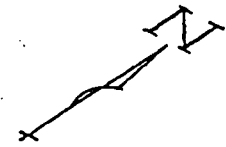
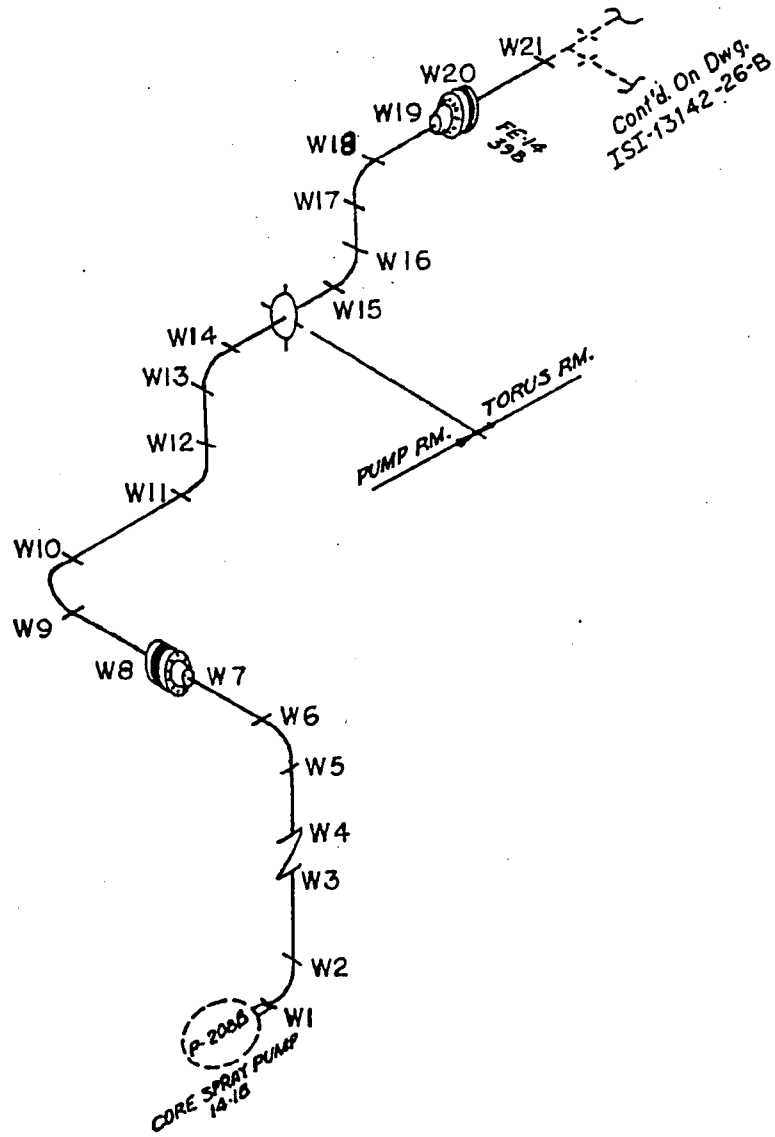
Cont'd. on Dwg.
ISI-13142-26-C

No Cont
Open
XI1WC-1222

10" Ø Red.
(NO 1752)
Cont'd on Dwg.
ISI-13142-26-A

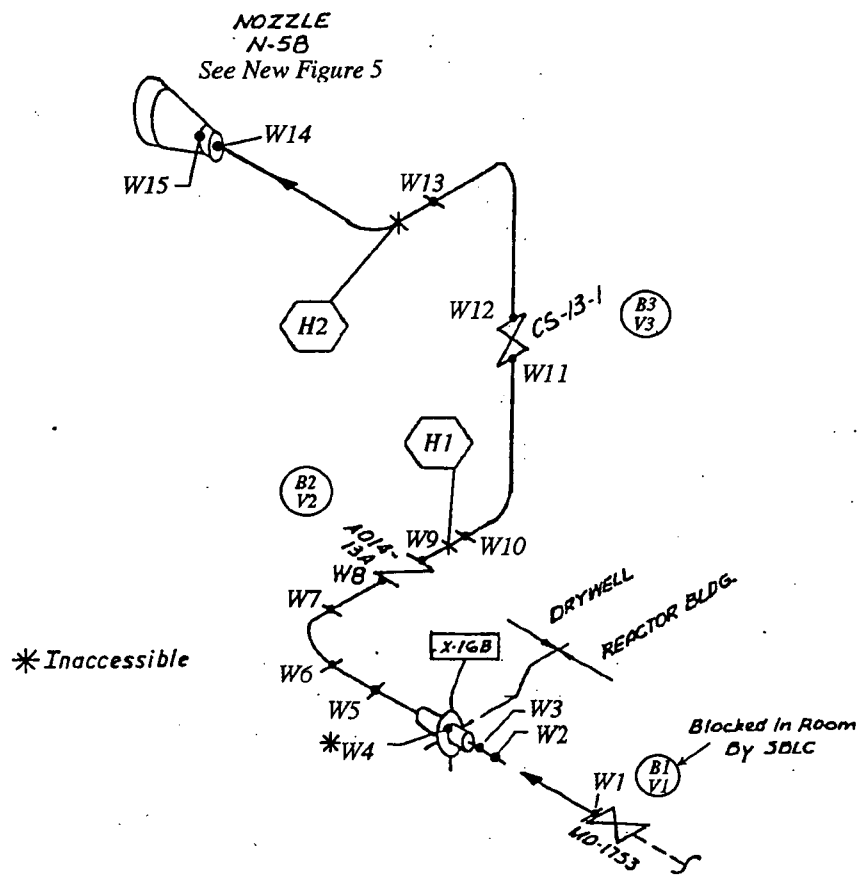
Ref. Dwg. NX-13142-26

NSP - MONTICELLO	ISI
DWN: KM	CHKD: MV APPD: MV
SYSTEM: <u>Core Spray A</u>	
LINE NO: <u>TW7-10-GE</u>	
DWG. NO: <u>ISI-13142-26-B</u> REV: <u>1</u>	



Ref. Dwg. NX-13142-26

NSP - MONTICELLO	ISI
DWN: KM	CHKD: MV APPD: MV
SYSTEM: <u>Core Spray A</u>	
LINE NO: <u>TW7-10-GE</u>	
DWG. NO: <u>ISI-13142-26-C</u> REV: <u>1</u>	



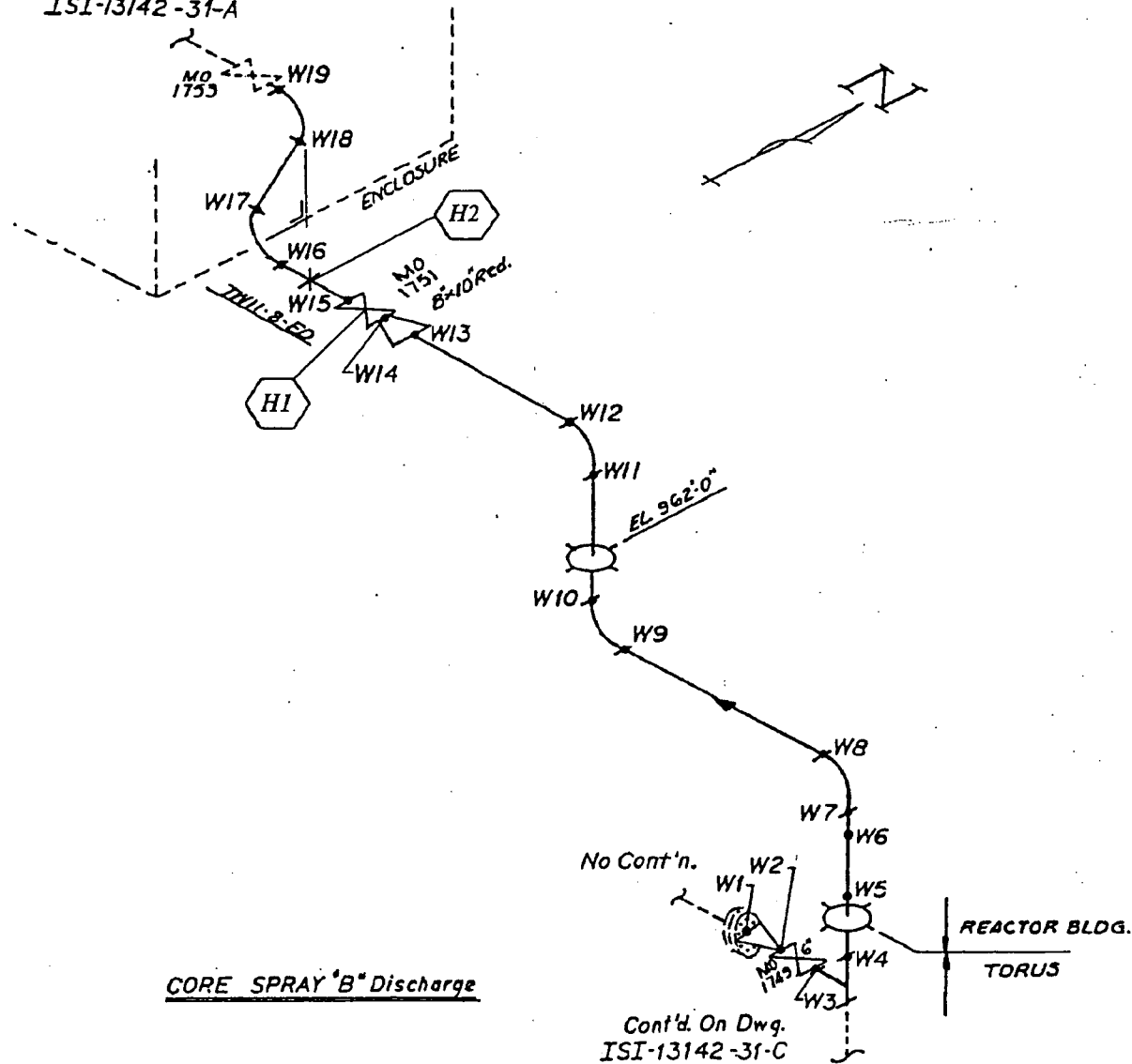
CORE SPRAY 'B'

Cont'd. On Dwg.
ISI-13142-31-B

Ref. Dwg. NX-13142-31

NSP - MONTICELLO	ISI
DWN: MH	CHKD: <i>MV</i> APPD: <i>MV</i>
SYSTEM: <u>Core Spray B</u>	
LINE NO: <u>TW11-8-ED</u>	
DWG. NO: <u>ISI-13142-31-A</u> REV: <u>1</u>	

Cont'd. On Dwg.
ISI-13142-31-A



CORE SPRAY 'B' Discharge

Cont'd. On Dwg.
ISI-13142-31-C

Ref. Dwg. NX-13142-31

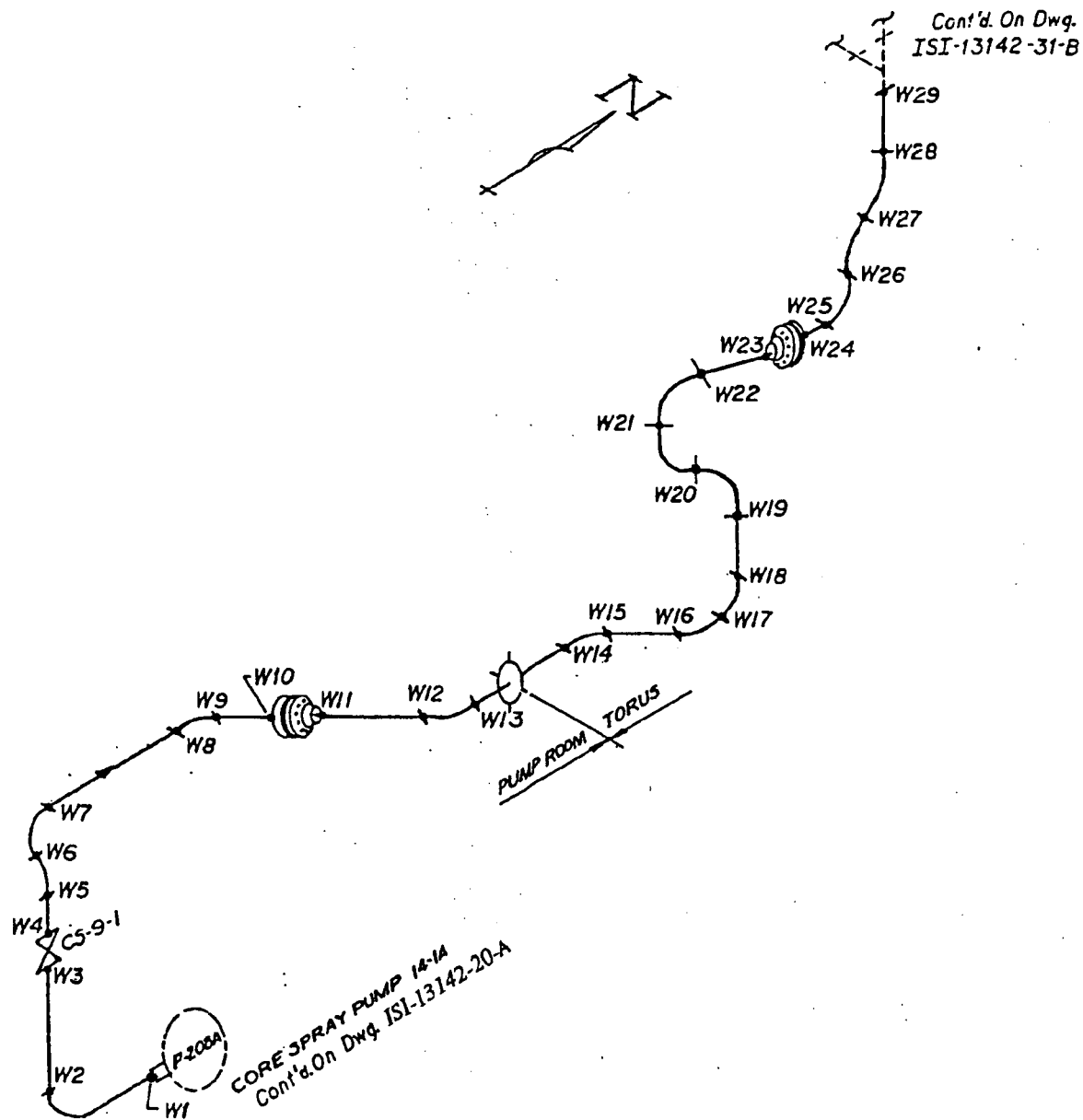
NSP - MONTICELLO ISI

DWN: MH CHKD: mv APPD: mv

SYSTEM: Core Spray B

LINE NO: TW11-10-GE

DWG. NO: ISI-13142-31-b REV: 1



Ref. Dwg. NX-13142-31

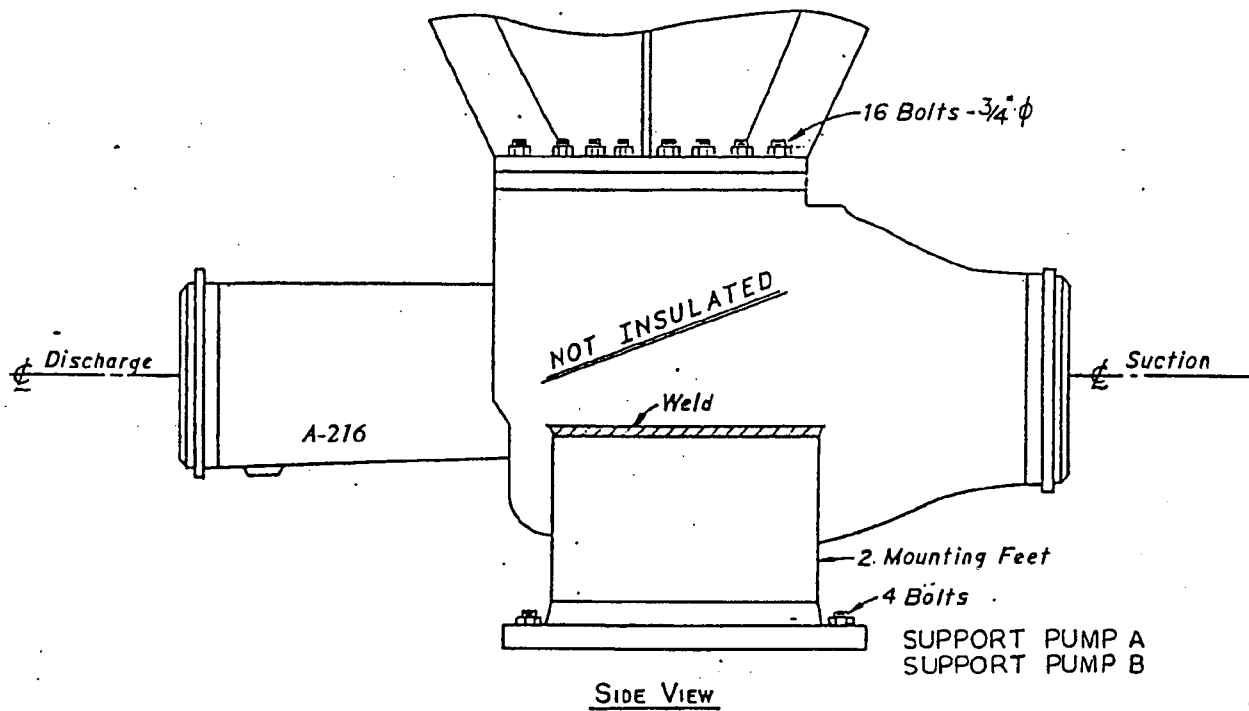
NSP - MONTICELLO ISI

DWN: MH CHKD: Mv APPD: Mv

SYSTEM: Core Spray B

LINE NO: TW11-10-GE

DWG. NO: ISI-13142-31-C REV: 1



CORE SPRAY PUMPS

SUPPORT PUMP A
SUPPORT PUMP B

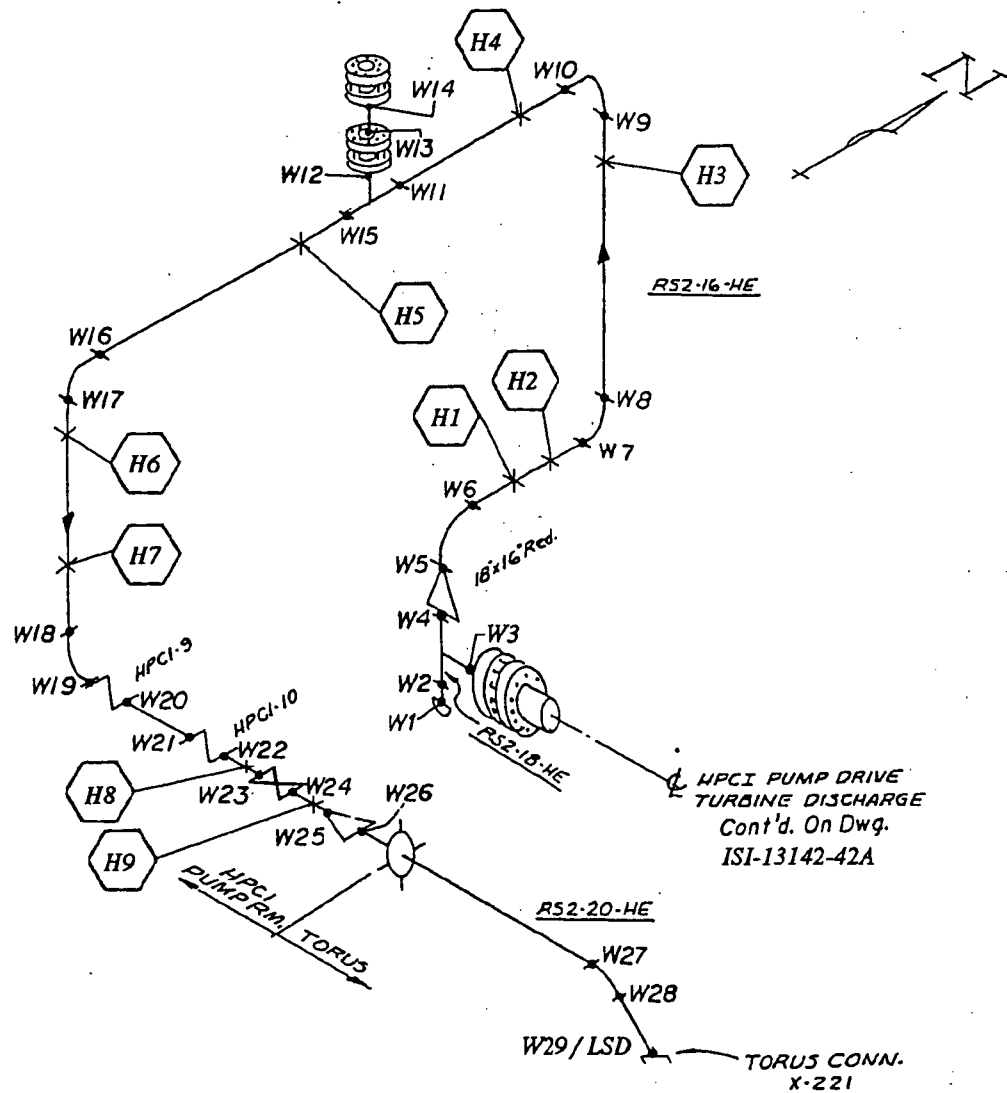
Manufacturer: Bingham

Serial N ^o	Loop
270417 (14-1A)	A
(14-1B)	B

Type: 10x12x14.5 CVDS

NSP - MONTICELLO	ISI
DWN: MH	CHKD: m✓ APPD: m✓
SYSTEM: <u>Core Spray Pump Supports</u>	
LINE NO:	
DWG NO: <u>New ISI-49</u>	REV: <u>1</u>

Ref. Dwg. NX-7833-33



HPCI Steam Side Discharge

Ref. Dwg. NX-13142-19

NSP - MONTICELLO ISI

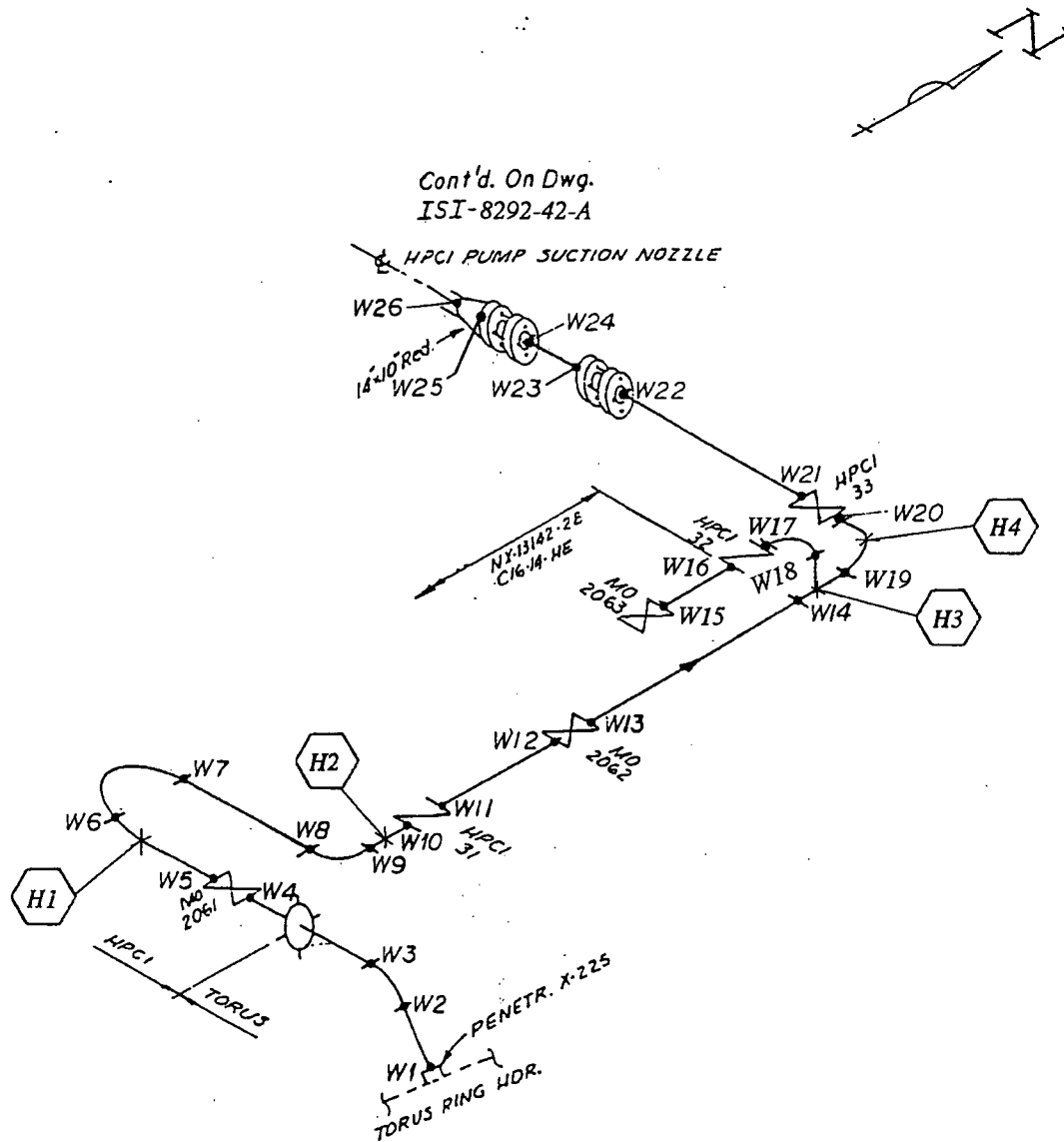
DWN: MH CHKD: MV APPD: MV

SYSTEM: HPCI Steam

LINE NO: RS2-16-HE

DWG NO: ISI-13142-19-A REV: 1

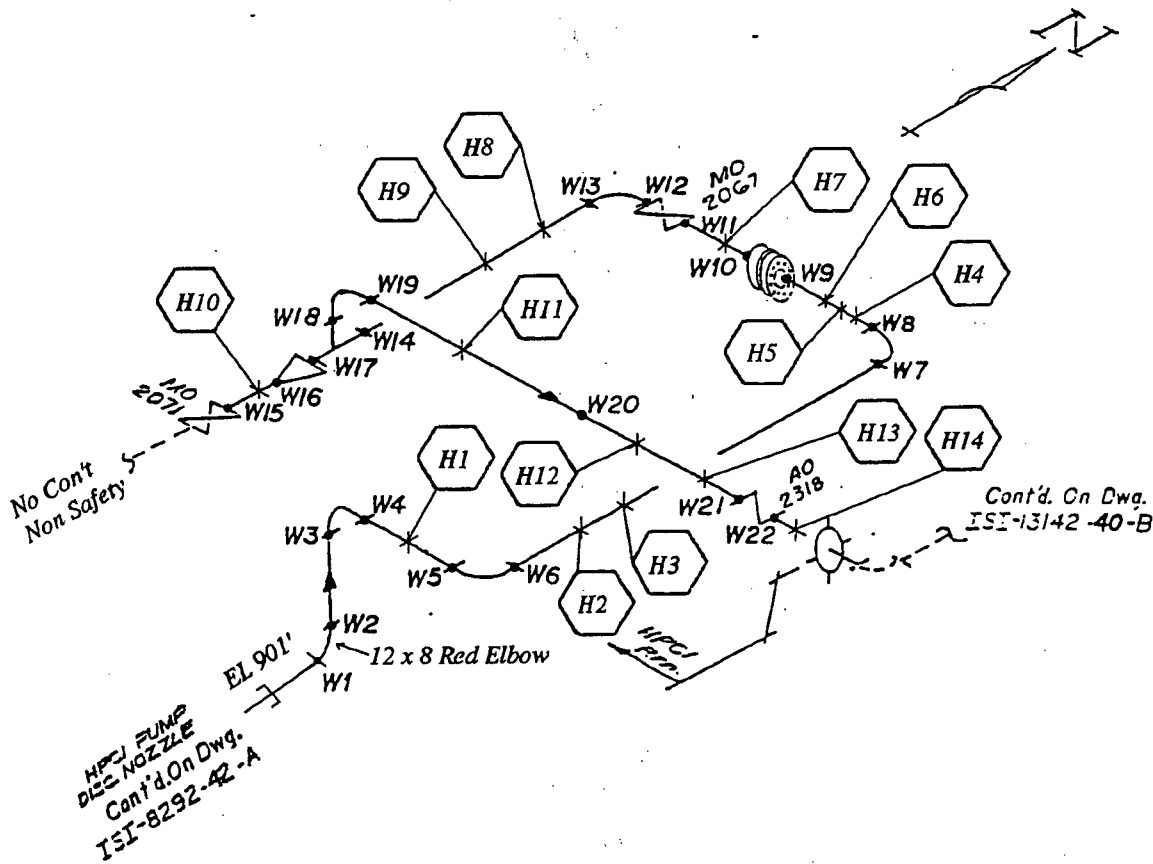
Cont'd. On Dwg.
ISI-8292-42-A



HIGH PRESSURE COOLANT INJECTION (Water Side Suction)

Ref. Dwg. NX-13142-17
NX-13142-28

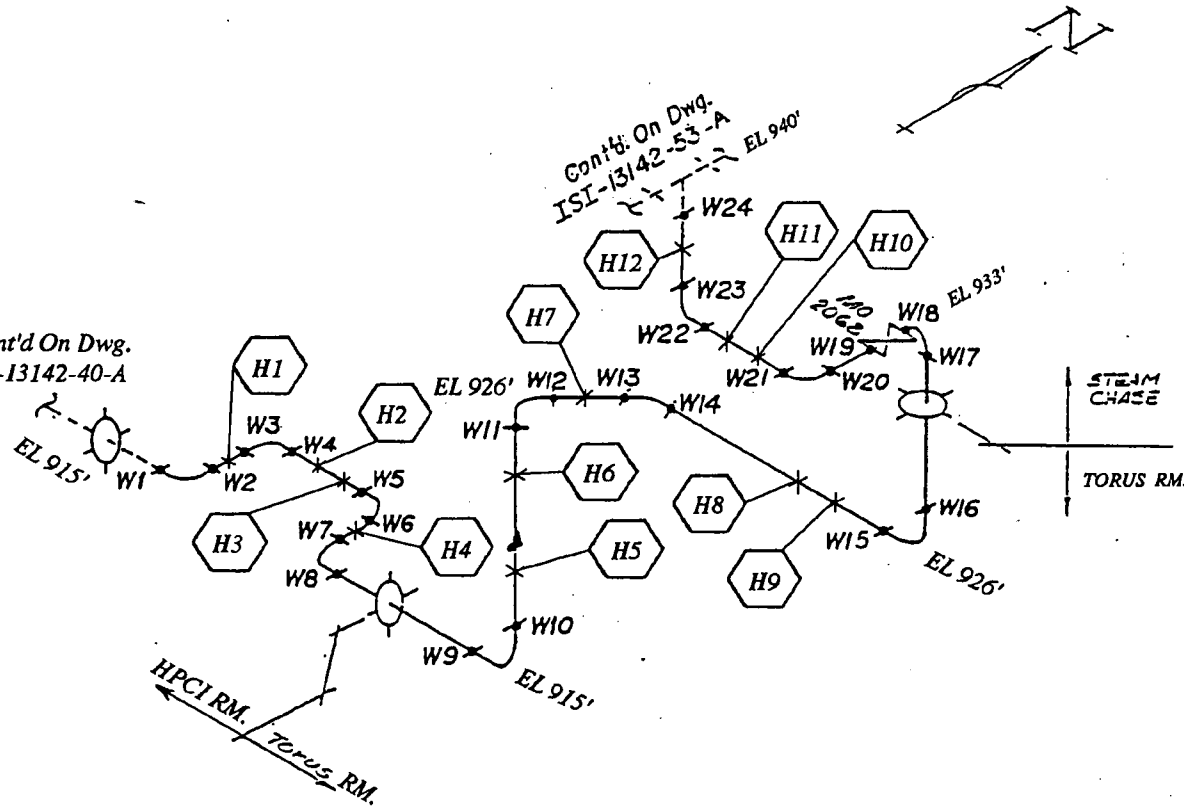
NSP - MONTICELLO	ISI
DWN: MH	CHKD: MV APPD: MV
SYSTEM: <u>HPCI Water</u>	
LINE NO: <u>TWI-14-HE</u>	
DWG NO: <u>ISI-13142-17-B</u> REV: <u>1</u>	



HPCI PUMP
DISC NOZZLE
Cont'd. On Dwg.
ISI-8292-42-A

Ref. Dwg. NX-13142-40	
NSP - MONTICELLO	ISI
DWN: MH CHKD: MV APPD: MV	
SYSTEM: <u>HPCI Water Discharge</u>	
LINE NO: <u>TW3-12-ED</u>	
DWG NO: <u>ISI-13142-40-A</u> REV: <u>1</u>	

Cont'd On Dwg.
ISI-13142-40-A



Ref. Dwg. NX-13142-40

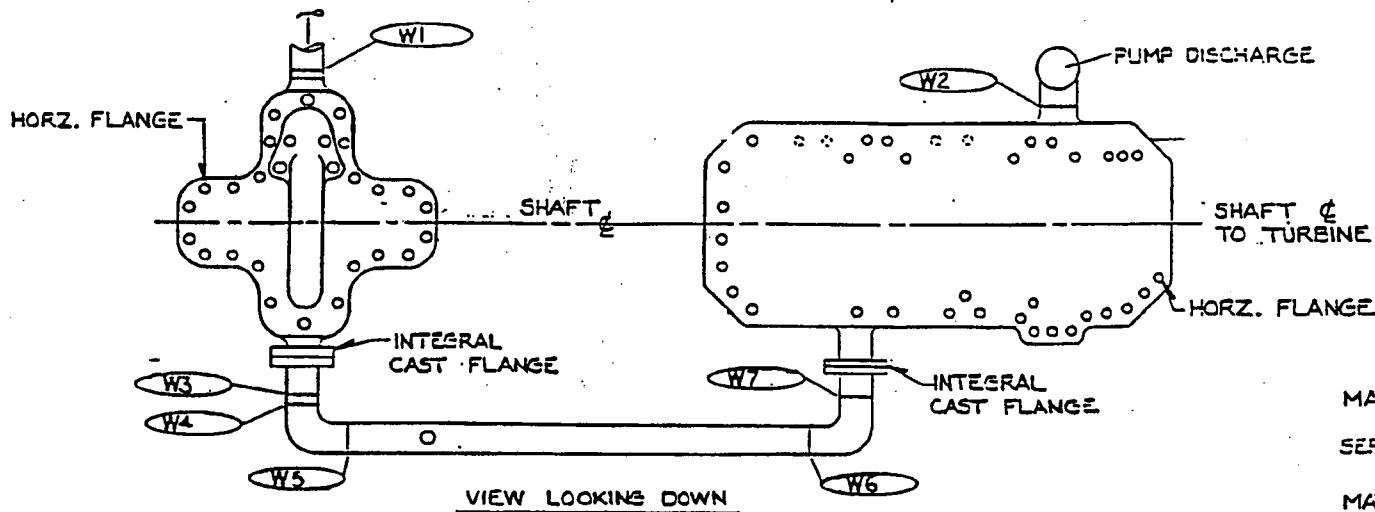
NSP - MONTICELLO ISI

DWN: MH CHKD: MV APPD: MV

SYSTEM: HPCI Water Discharge

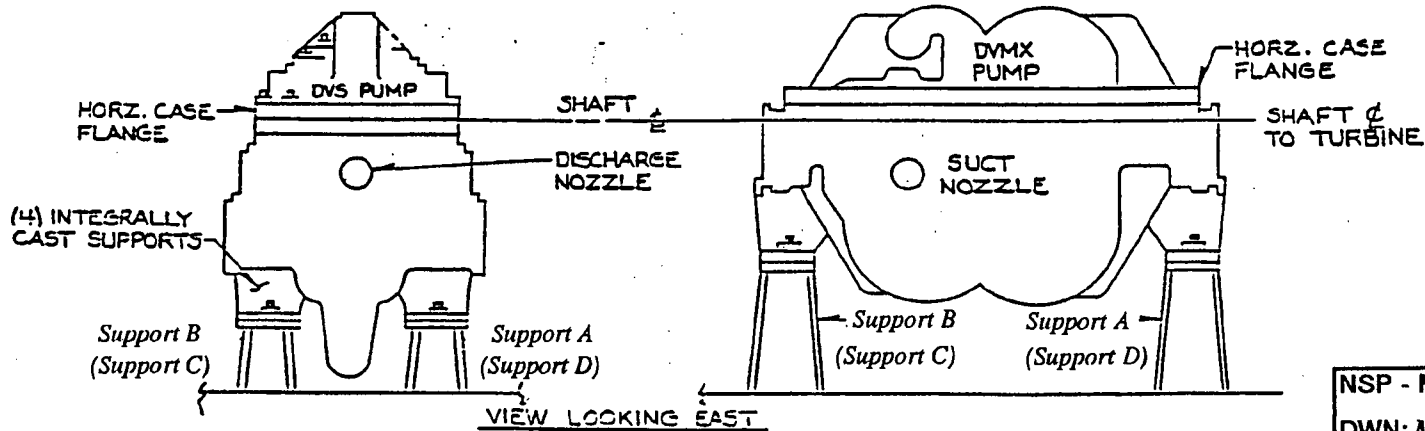
LINE NO: TW3-12-ED

DWG NO: ISI-13142-40-B REV: 1



VIEW LOOKING DOWN

	<u>DVS</u>	<u>DVMX</u>
MANUFACTURERS:	BYRON JACKSON	BYRON JACKSON
SERIAL NO.	671-5-1182	671-5-1185
MATERIAL:	ASTM A216 GR. WCB	ASTM A216 GR. WCB



VIEW LOOKING EAST

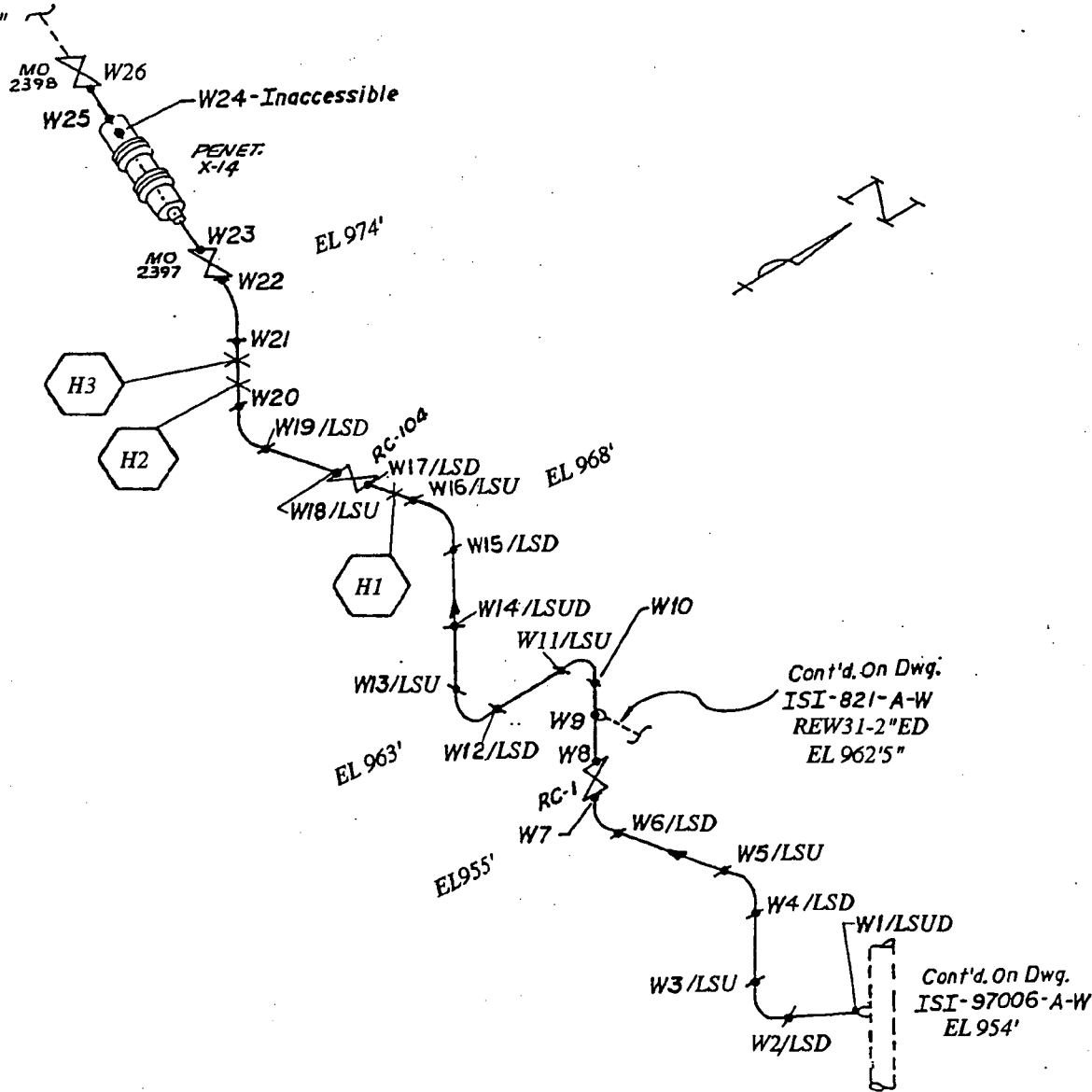
HIGH PRESSURE COOLANT INJECTION (HPCI) PUMPS

Suction ISI-13142-17B
 Discharge ISI-13142-40A

NSP - MONTICELLO	ISI
DWN: MH	CHKD: MV APPD: MV
SYSTEM: <u>HPCI Pumps</u>	
LINE NO: _____	
DWG NO: <u>ISI-8292-42-A</u>	REV: <u>1</u>

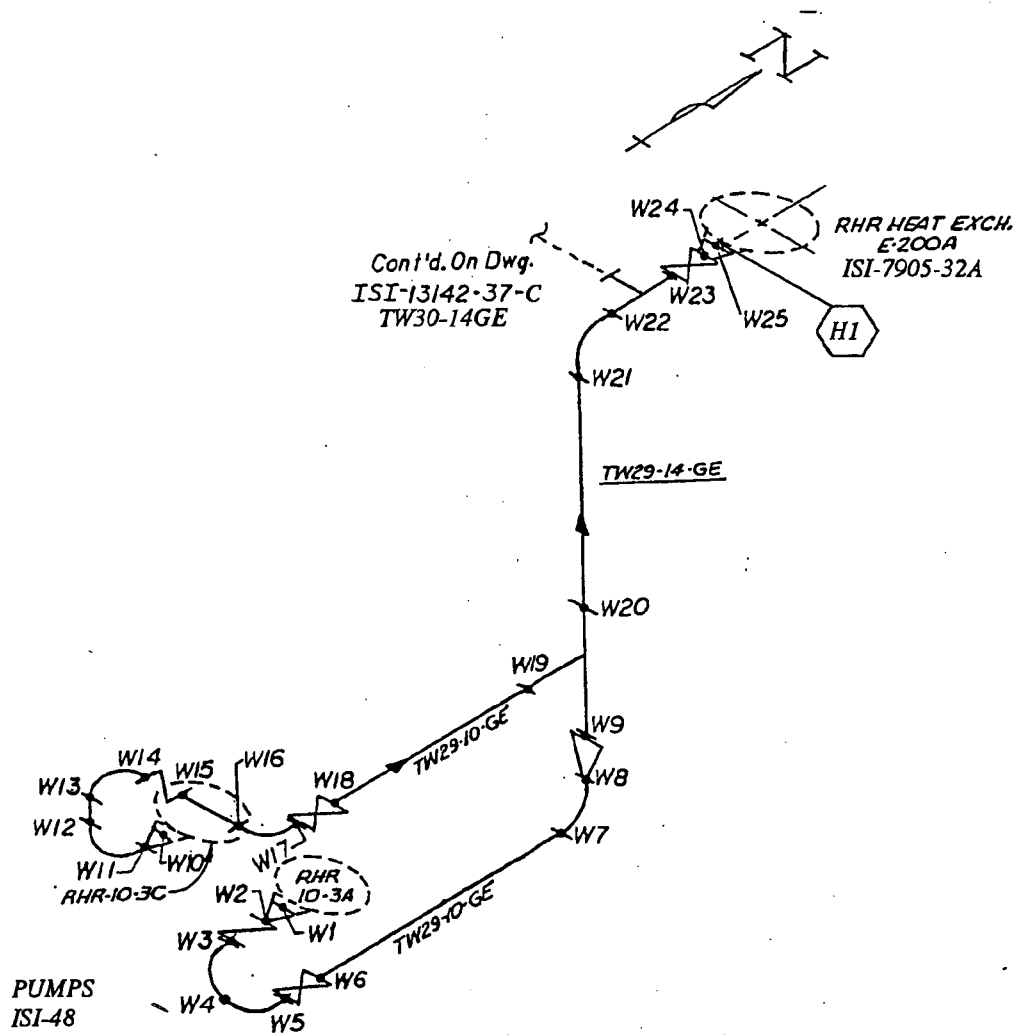
Ref. Dwg. NX-8292-42

No Cont'n.
Class 2
Not > 4"



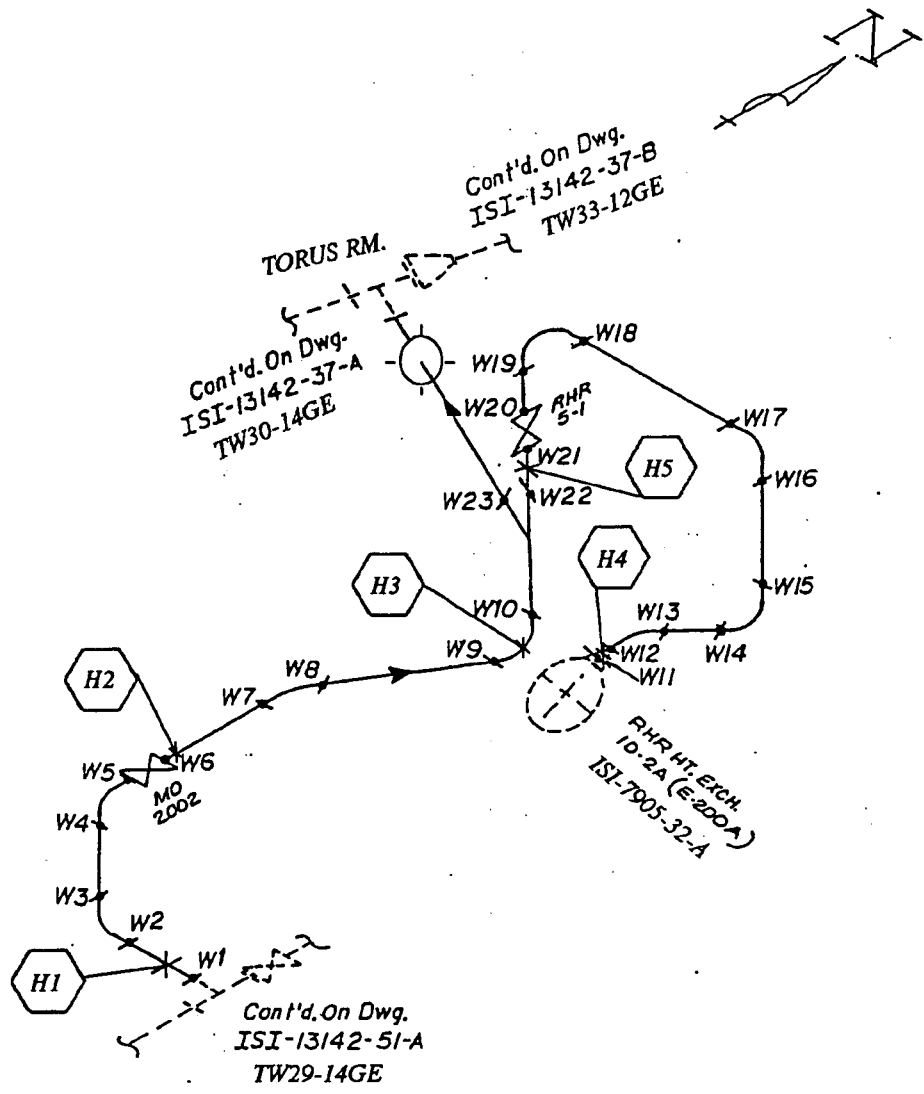
Ref. Dwg. NF-97006
NF-73880

NSP - MONTICELLO		ISI
DWN: MH	CHKD: M ✓	APPD: A ✓
SYSTEM: <u>RWCU</u>		
LINE NO: <u>REW3-4-Noted</u>		
DWG NO: <u>ISI-73880-A</u>		REV: <u>1</u>

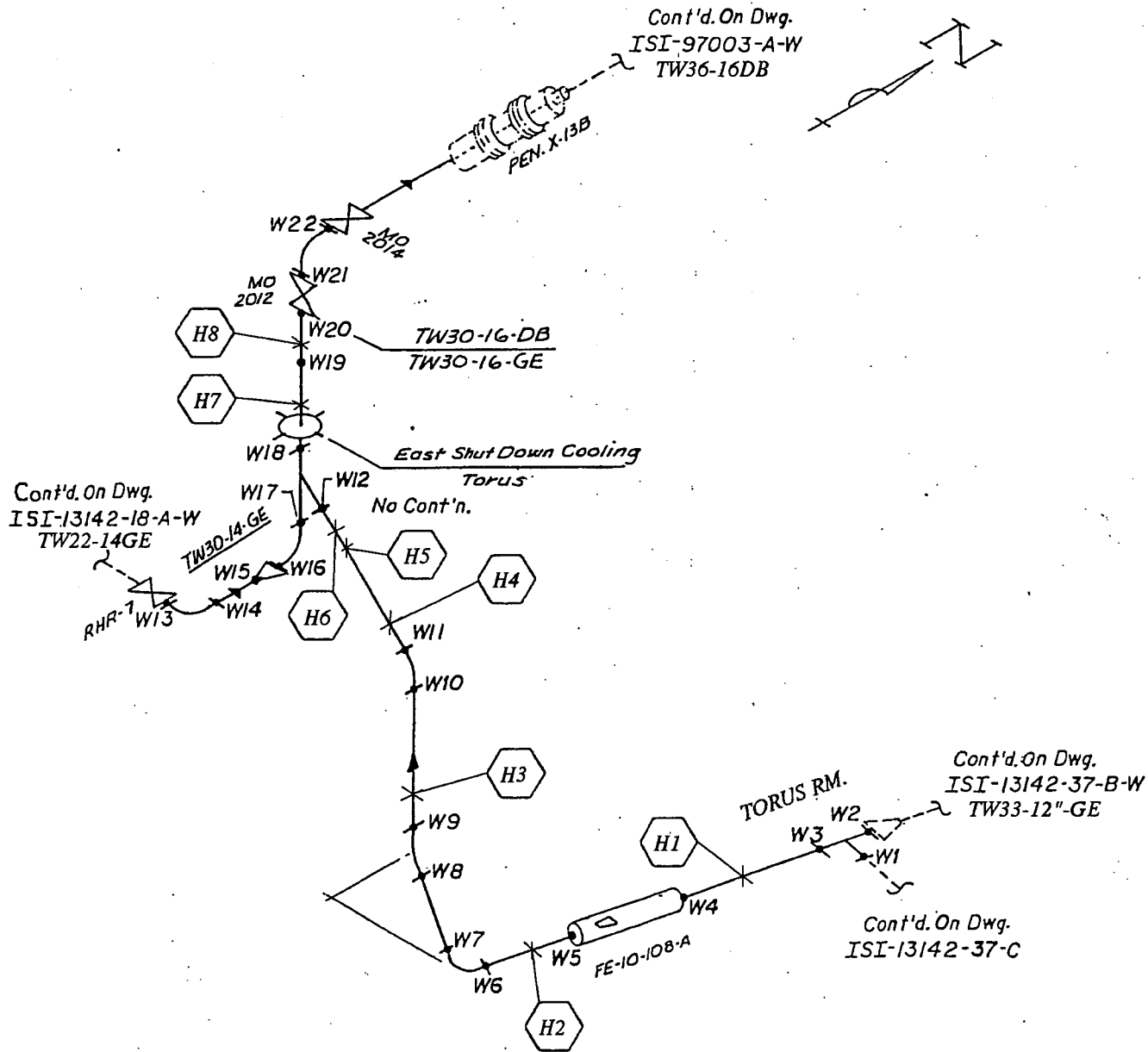


Ref. Dwg. NX-13142-51

NSP - MONTICELLO	ISI
DWN: MH	CHKD: M ✓ APPD: M ✓
SYSTEM: <u>RHR A</u>	
LINE NO: <u>Noted</u>	
DWG NO: <u>ISI-13142-51-A</u> REV: <u>1</u>	

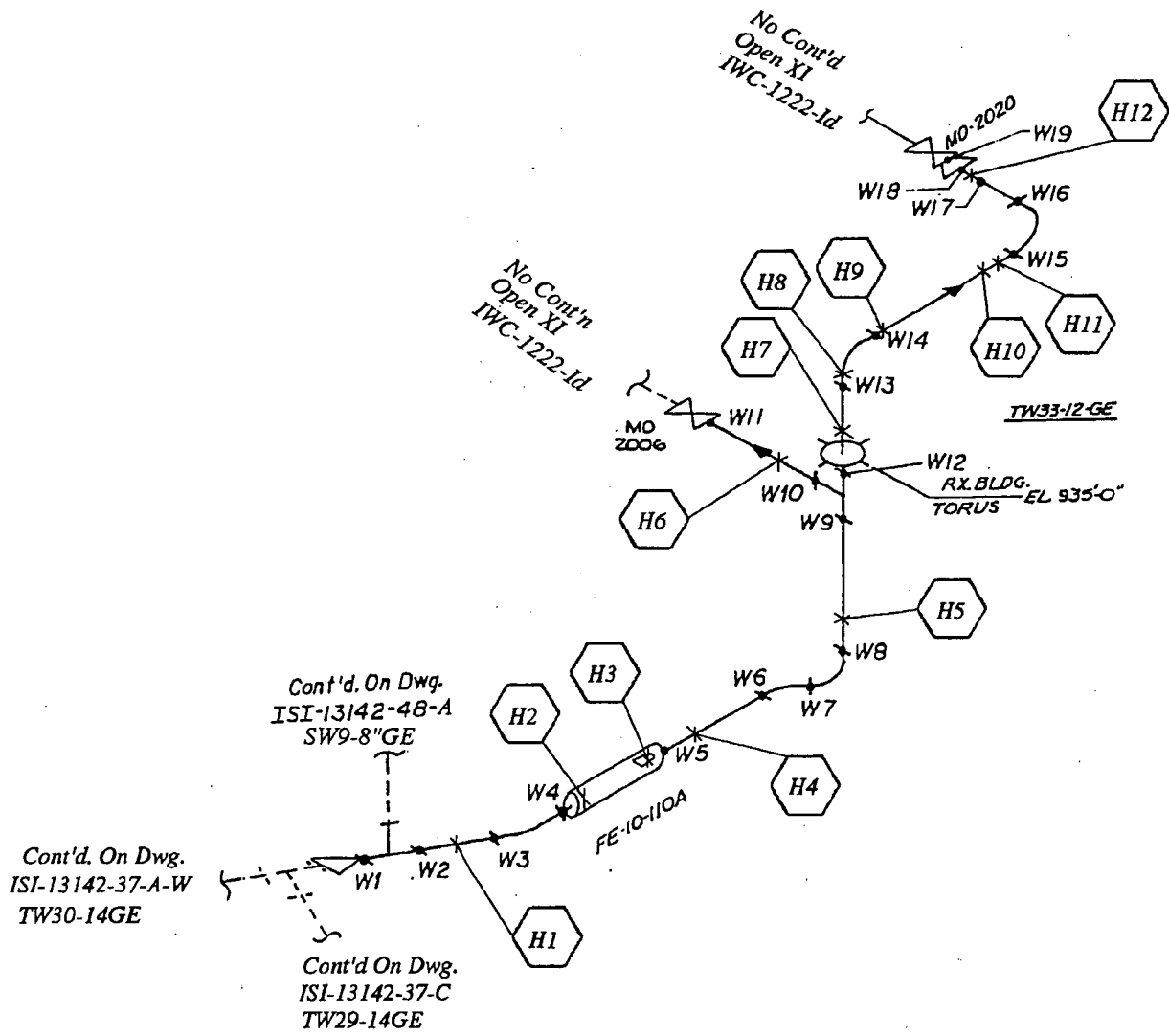


Ref. Dwg. NX-13142-37		ISI
NSP - MONTICELLO		
DWN: MH	CHKD: <i>AV</i>	APPD: <i>m</i>
SYSTEM: <u>RHR A</u>		
LINE NO: <u>TW30-14-GE</u>		
DWG NO: <u>ISI-13142-37-C</u> REV: <u>1</u>		



Ref. Dwg. NX-13142-37

NSP - MONTICELLO	ISI
DWN: MH	CHKD: <i>h</i> ✓ APPD: <i>m</i> ✓
SYSTEM: <u>RHR A</u>	
LINE NO: <u>Noted</u>	
DWG NO: <u>ISI-13142-37-A</u>	REV: <u>1</u>



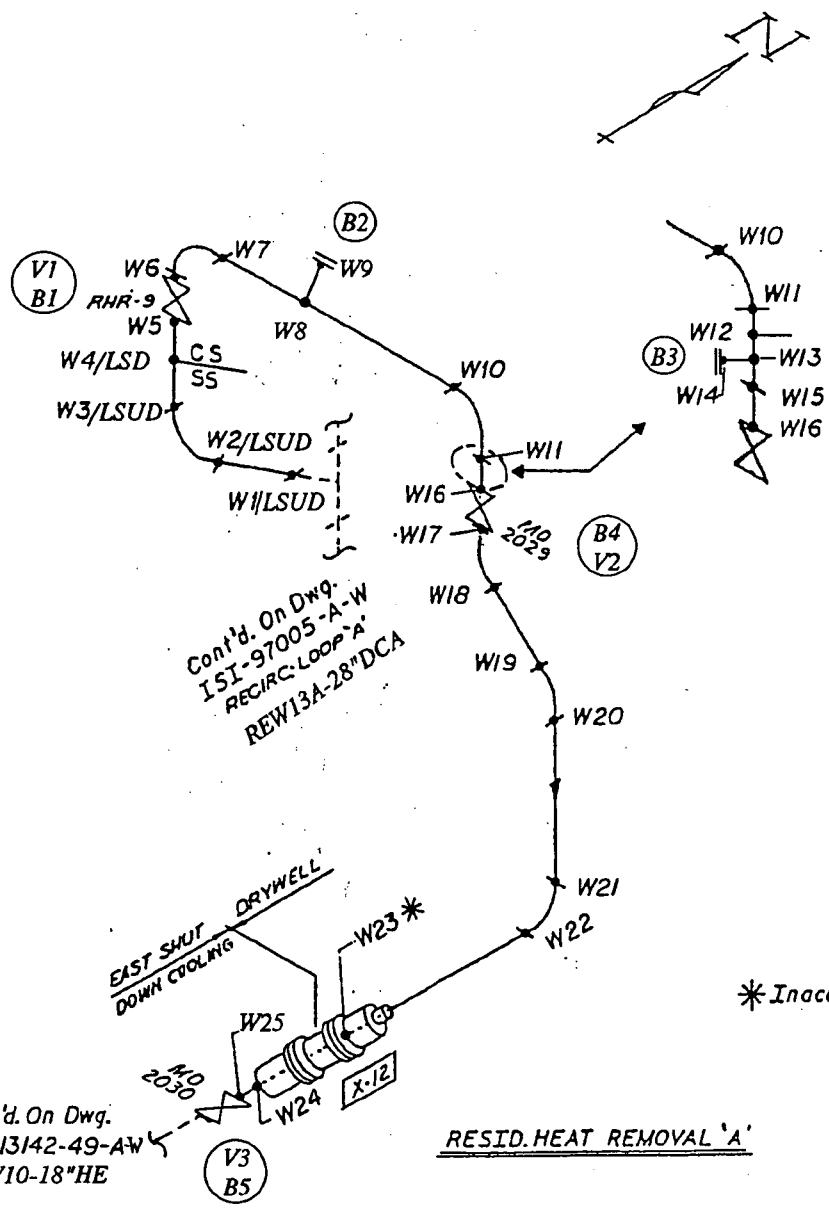
Cont'd. On Dwg.
ISI-13142-37-A-W
TW30-14GE

Cont'd. On Dwg.
ISI-13142-48-A
SW9-8"GE

Cont'd. On Dwg.
ISI-13142-37-C
TW29-14GE

Ref. Dwg. NX-13142-37

NSP - MONTICELLO	ISI
DWN: MH	CHKD: M/ APPD: M/
SYSTEM: <u>Containment Spray</u>	
LINE NO: <u>TW33-12"GE</u>	
DWG NO: <u>ISI-13142-37-B</u>	REV: <u>1</u>



Con't'd. On Dwg.
ISI-97027-A
TW40-4"DBA

Con't'd. On Dwg.
ISI-97005-A-W
RECIRC. LOOP 'A'
REW13A-28"DCA

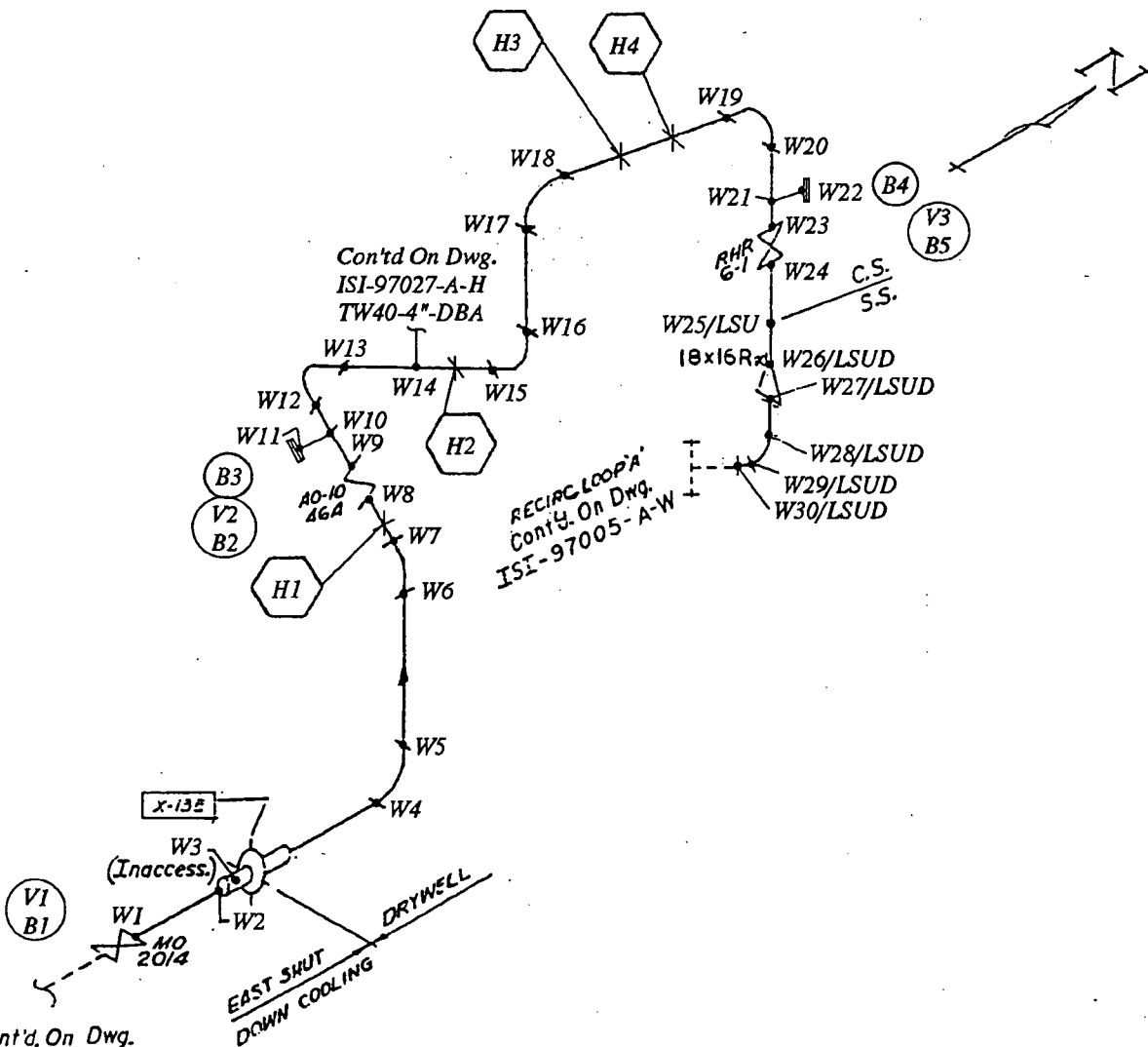
Con't'd. On Dwg.
ISI 13142-49-AW
REW10-18"HE

Ref. Dwg. NF-97003
NF-74551
NF-96201
NX-13142-49

* Inaccessible

NSP - MONTICELLO	ISI
DWN: MH	CHKD: M ✓ APPD: A ✓
SYSTEM: <u>RHR-A</u>	
LINE NO: <u>REW10-18-ED</u>	
DWG NO: <u>ISI-97003-B</u>	REV: <u>1</u>

RESID. HEAT REMOVAL 'A'



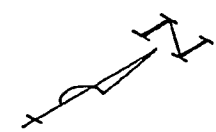
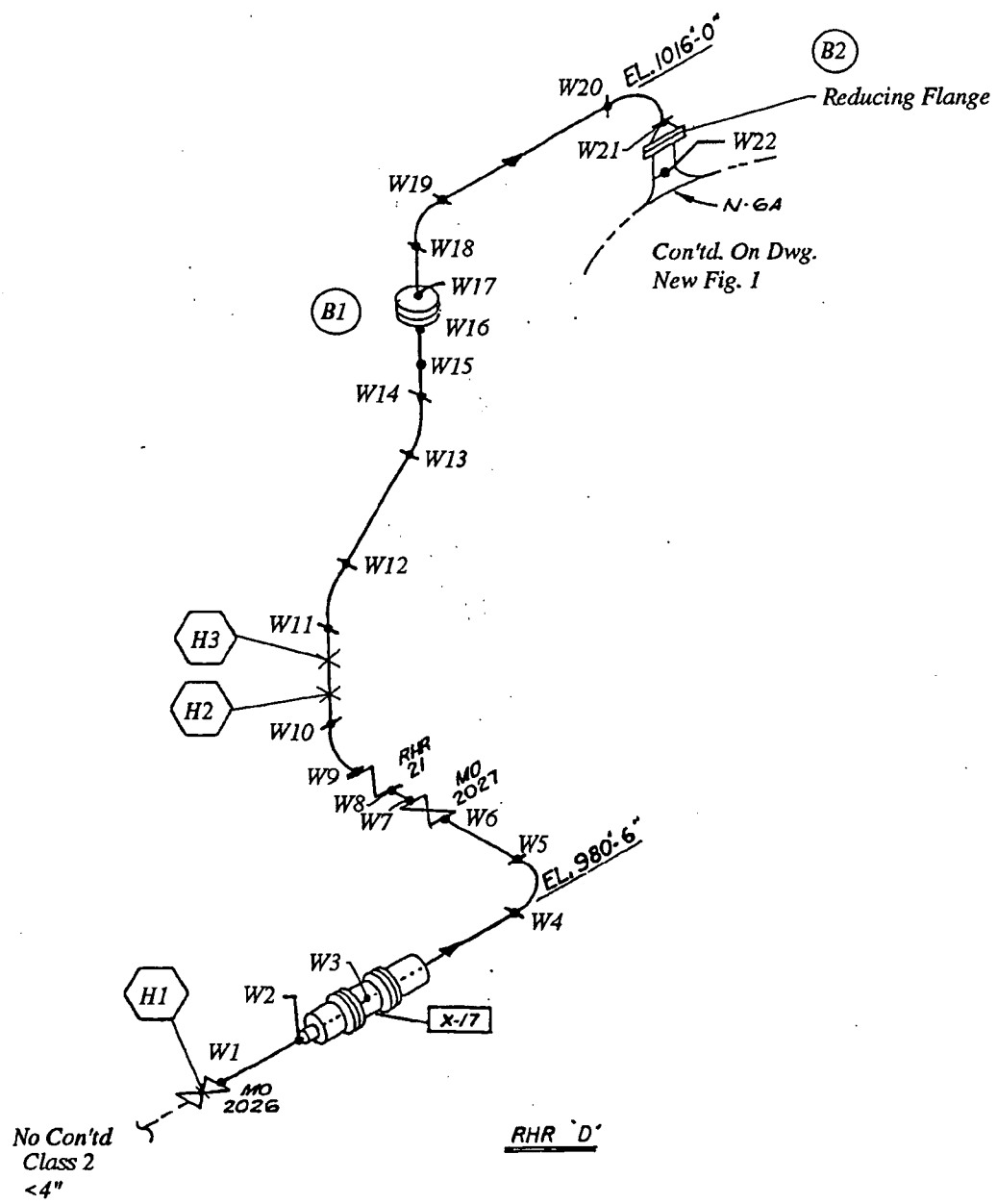
Cont'd. On Dwg.
ISI-13142-37-A
TW30-16"-DB

Cont'd On Dwg.
ISI-97027-A-H
TW40-4"-DBA

RECIRC LOOP A
Cont'd. On Dwg.
ISI-97005-A-W

Ref. Dwg. NF-97003
NF-96201
NF-74551

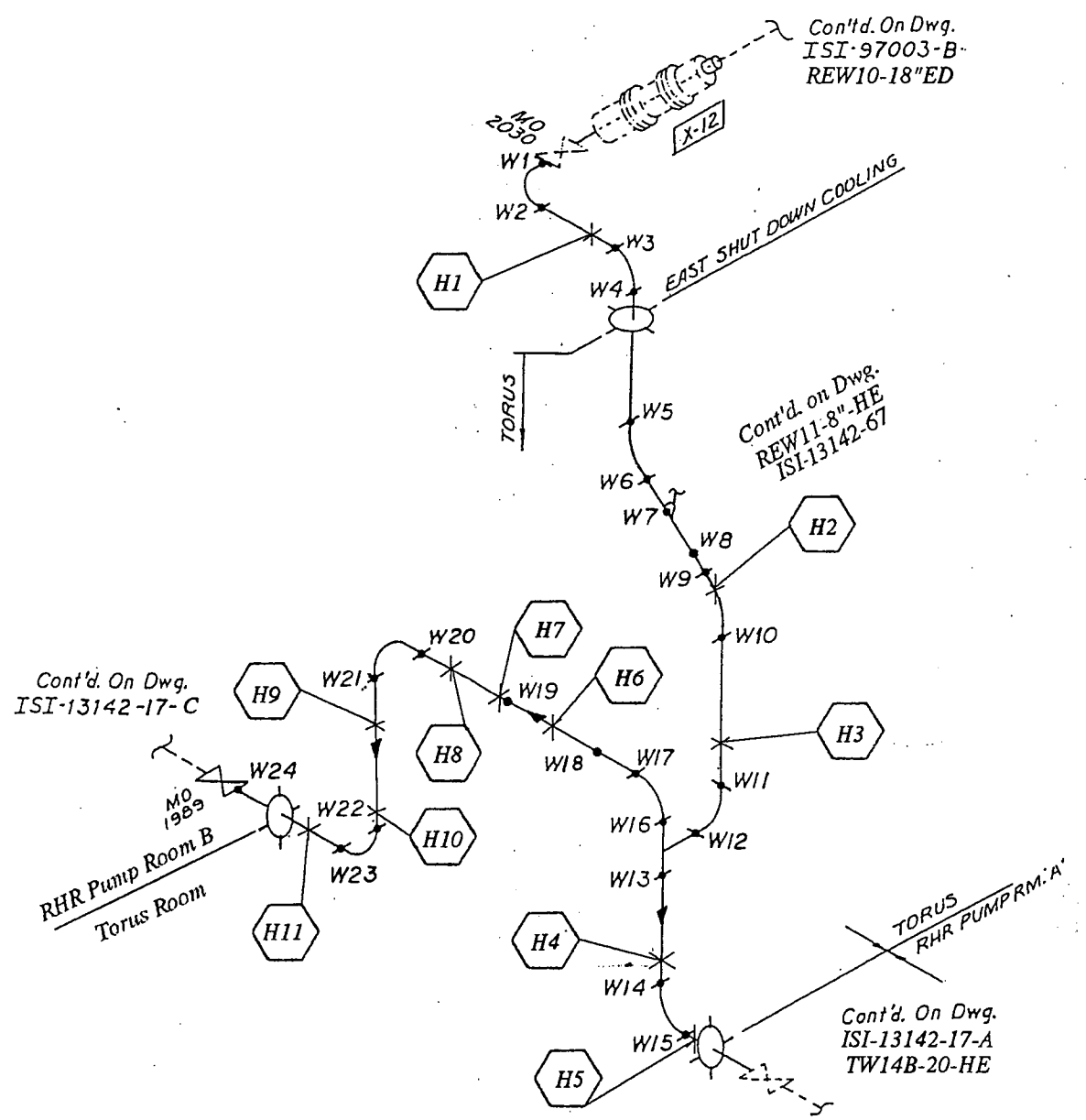
NSP - MONTICELLO	ISI
DWN: MH	CHKD: m√ APPD: m√
SYSTEM: <u>RHR-A-Return</u>	
LINE NO: <u>TW30-16-DB & DLA & DCA</u>	
DWG NO: <u>ISI-97003-A</u>	REV: <u>1</u>



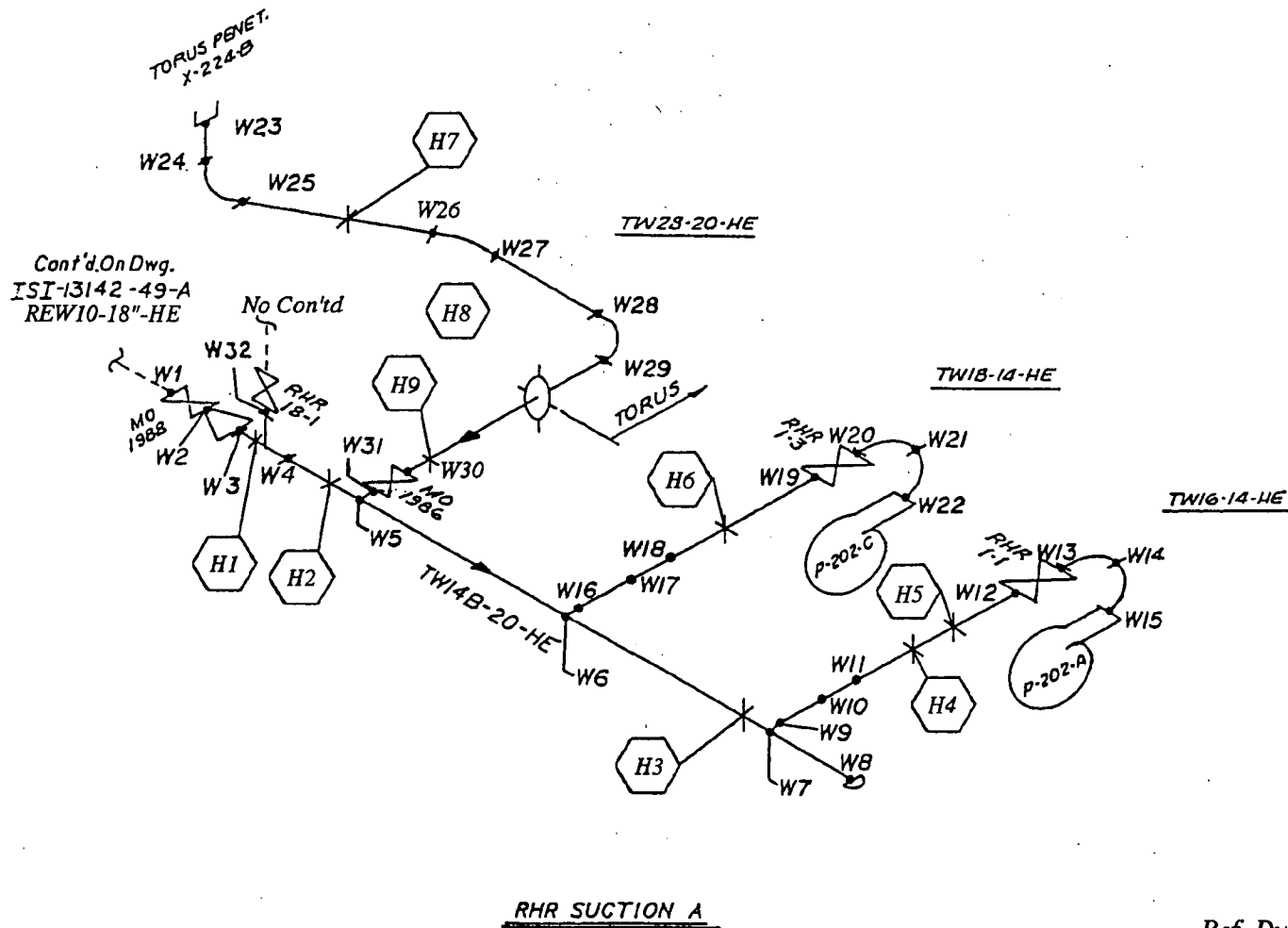
No Con't'd
Class 2
<4"

RHR 'D'

Ref. Dwg. NX-13142-20		ISI
NSP - MONTICELLO		
DWN: MH	CHKD: <i>M</i> ✓	APPD: <i>M</i> ✓
SYSTEM: <u>RHR-Rx Vessel Head Cooling</u>		
LINE NO: <u>TW36-4-ED</u>		
DWG NO: <u>ISI-13142-20-C</u> REV: <u>1</u>		



Ref. Dwg. NX-13142-49	
NSP - MONTICELLO	ISI
DWN: MH	CHKD: m APPD: m
SYSTEM: RHR A	
LINE NO: REW10-18-HE	
DWG NO: ISI-13142-49-A	REV: 1



Cont'd. On Dwg.
 ISI-13142-49-A
 REW10-18"-HE

No Con'td

RHR SUCTION A

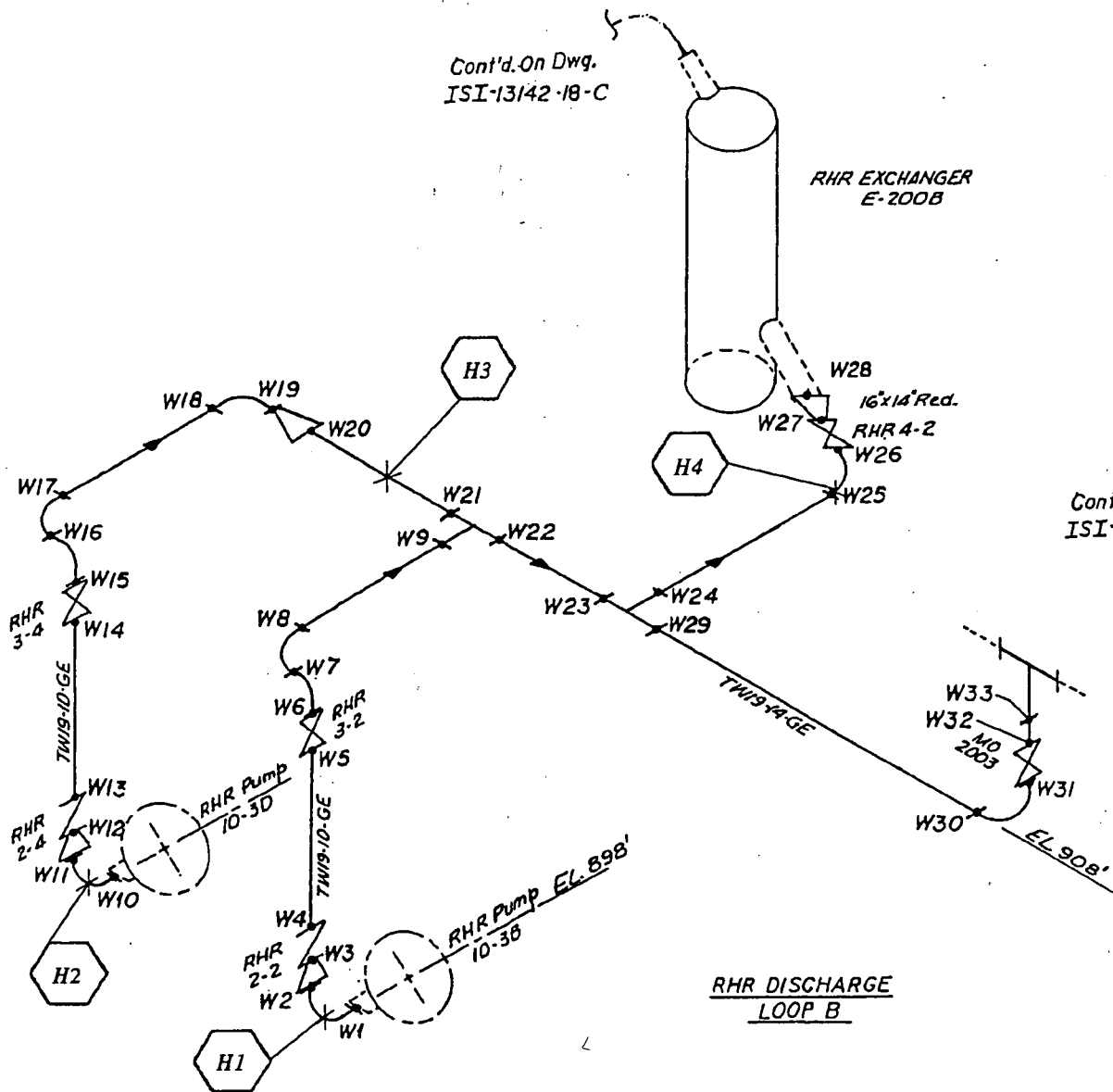
Ref. Dwg. NX-13142-17

NSP - MONTICELLO	ISI
DWN: MH	CHKD: MV APPD: M ✓
SYSTEM: <u>RHR</u>	
LINE NO: <u>Noted</u>	
DWG NO: <u>ISI-13142-17-A</u> REV: <u>1</u>	

Cont'd. On Dwg.
ISI-13142-18-C

RHR EXCHANGER
E-200B

Cont'd. On Dwg.
ISI-13142-18-C



RHR DISCHARGE
LOOP B

Ref. Dwg. NX-13142-18

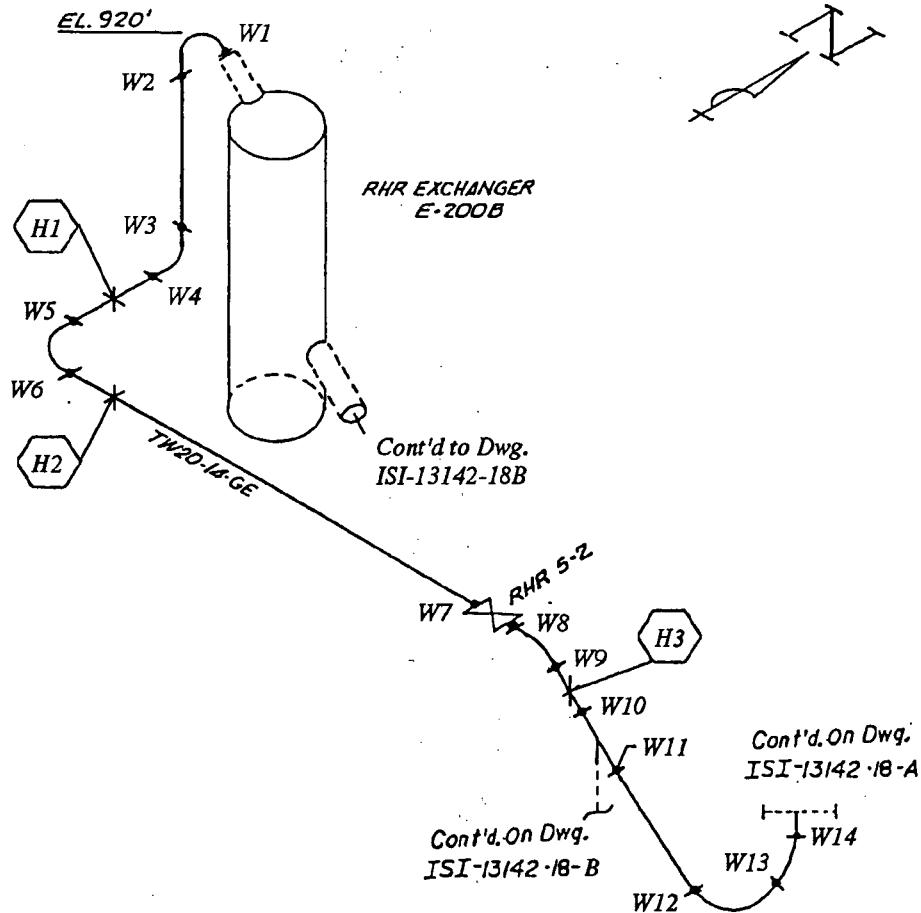
NSP - MONTICELLO (SI)

DWN: MH CHKD: M ✓ APPD: M ✓

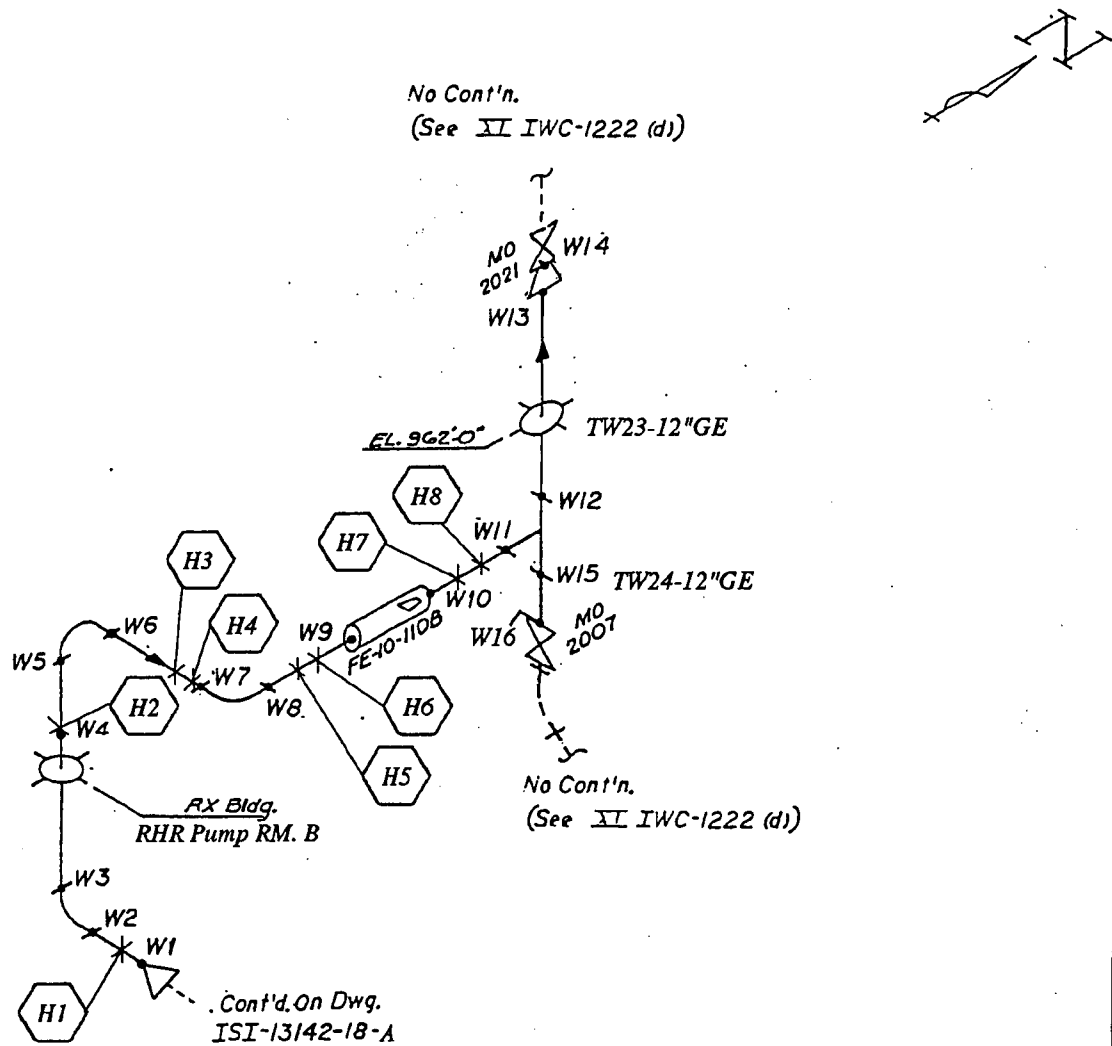
SYSTEM: RHR B

LINE NO: TW19-10-GE/TW19-14-GE

DWG NO: ISI-13142-18-B REV: 1



Ref. Dwg. NX-13142-18		ISI
NSP - MONTICELLO		
DWN: MH	CHKD: M ✓	APPD: M ✓
SYSTEM: RHR B		
LINE NO: TW20-14-GT		
DWG NO: ISI-13142-18-C REV: 0		



Ref. Dwg. NX-13142-51

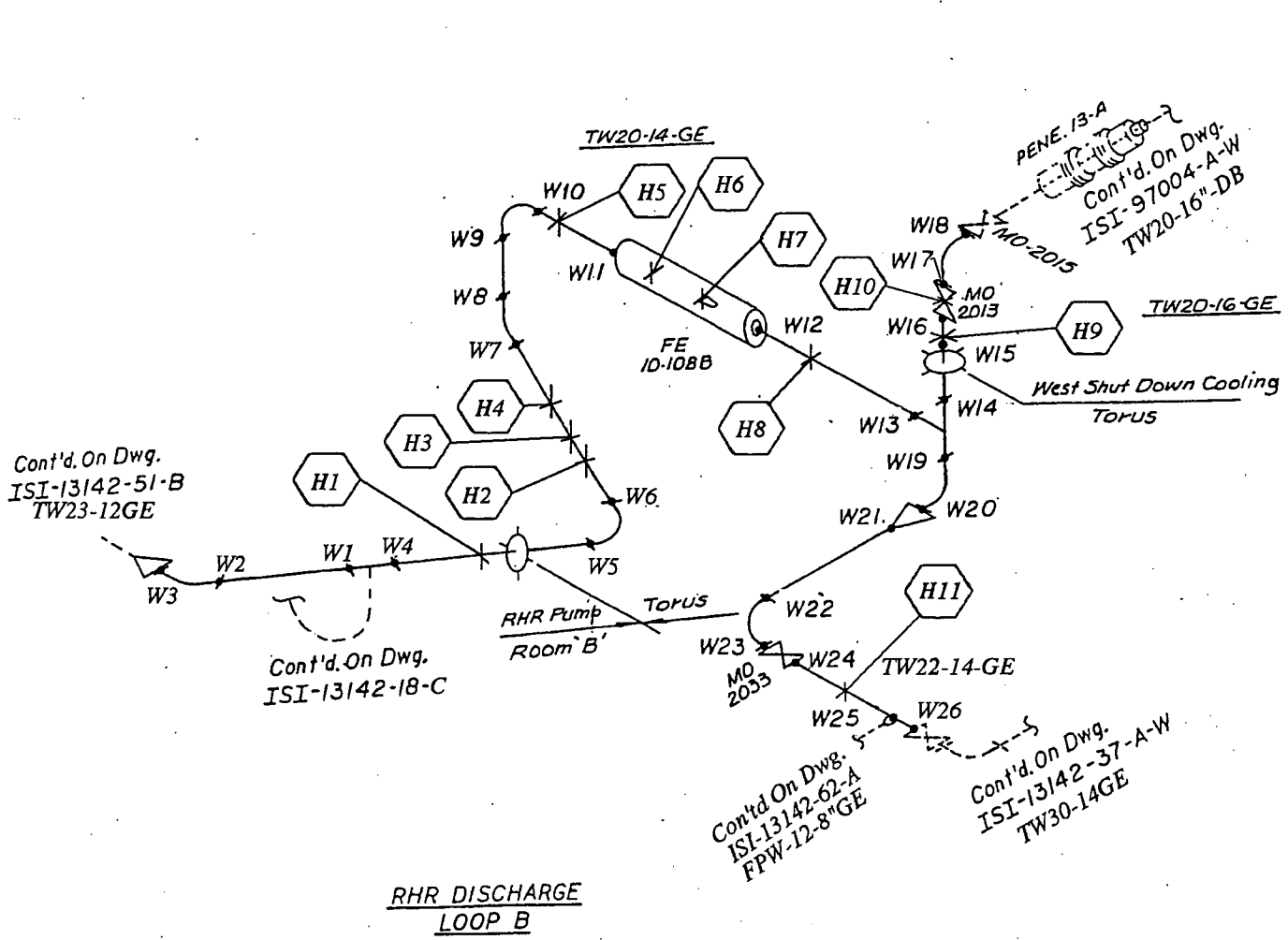
NSP - MONTICELLO ISI

DWN: MH CHKD: MJ APPD: MW

SYSTEM: RHR B

LINE NO: Noted

DWG NO: ISI-13142-51-B REV: 1



Cont'd. On Dwg.
ISI-13142-51-B
TW23-12GE

Cont'd. On Dwg.
ISI-13142-18-C

Cont'd On Dwg.
ISI-13142-62-A
FPW-12-8"GE

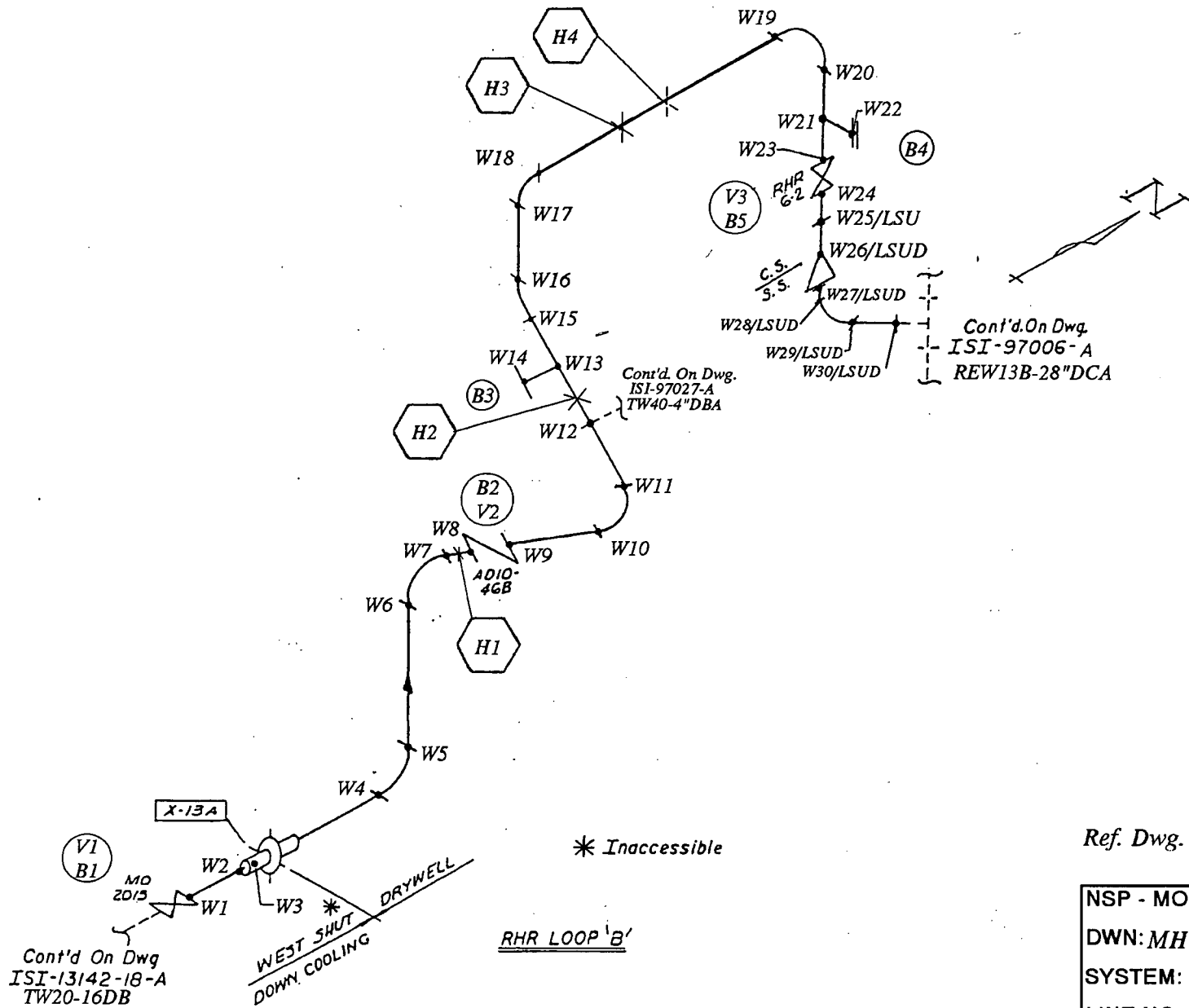
Cont'd. On Dwg.
ISI-13142-37-A-W
TW30-14GE

PENE. 13-A
Cont'd. On Dwg.
ISI-97004-A-W
TW20-16"DB

RHR DISCHARGE
LOOP B

Ref. Dwg. NX-13142-18

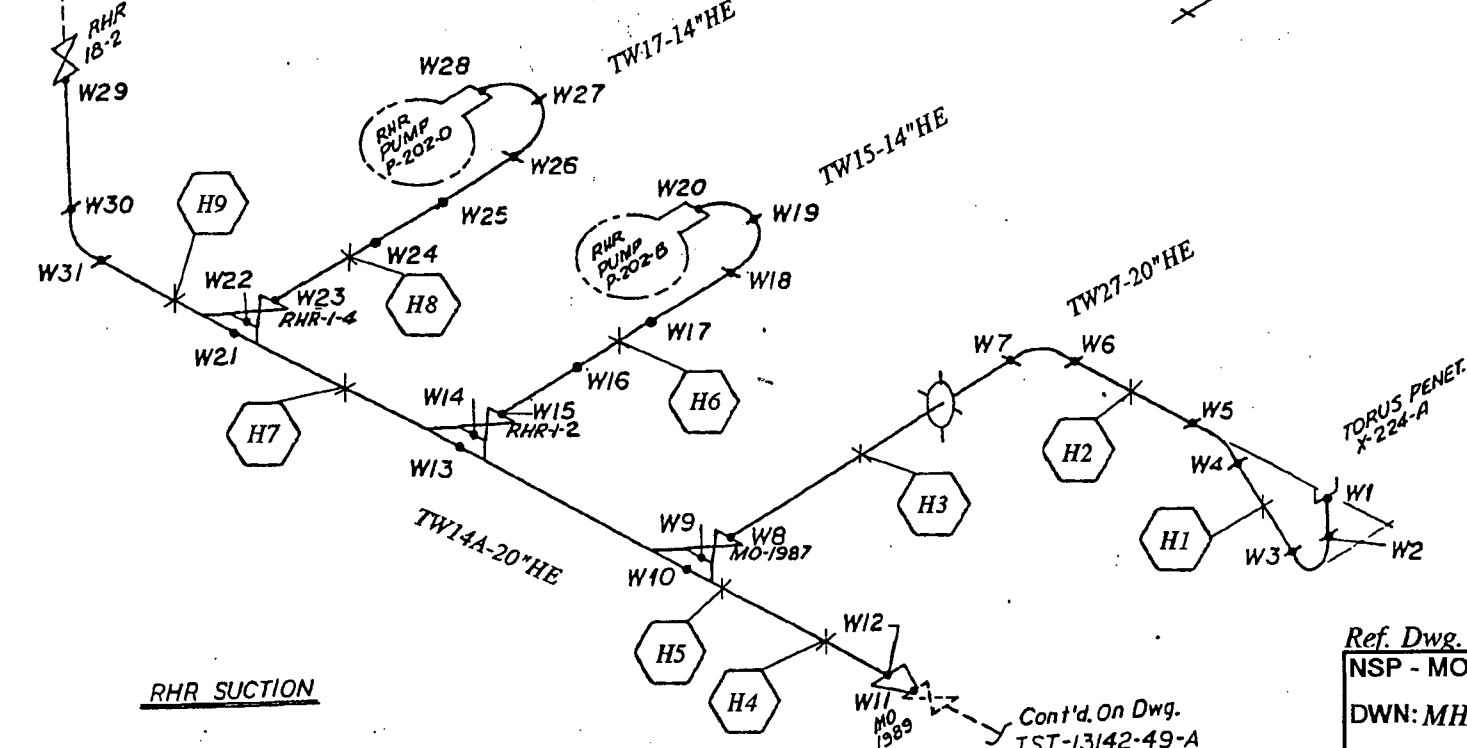
NSP - MONTICELLO	ISI
DWN: MH	CHKD: m✓ APPD: m✓
SYSTEM: <u>RHR B</u>	
LINE NO: <u>Noted</u>	
DWG NO: <u>ISI-13142-18-A</u> REV: <u>1</u>	



Ref. Dwg. NF-74552
NF-97004

NSP - MONTICELLO	ISI
DWN: MH	CHKD: m√ APPD: m√
SYSTEM: RHR-B	
LINE NO: TW20-16-DB	
DWG NO: ISI-97004-A	REV: 1

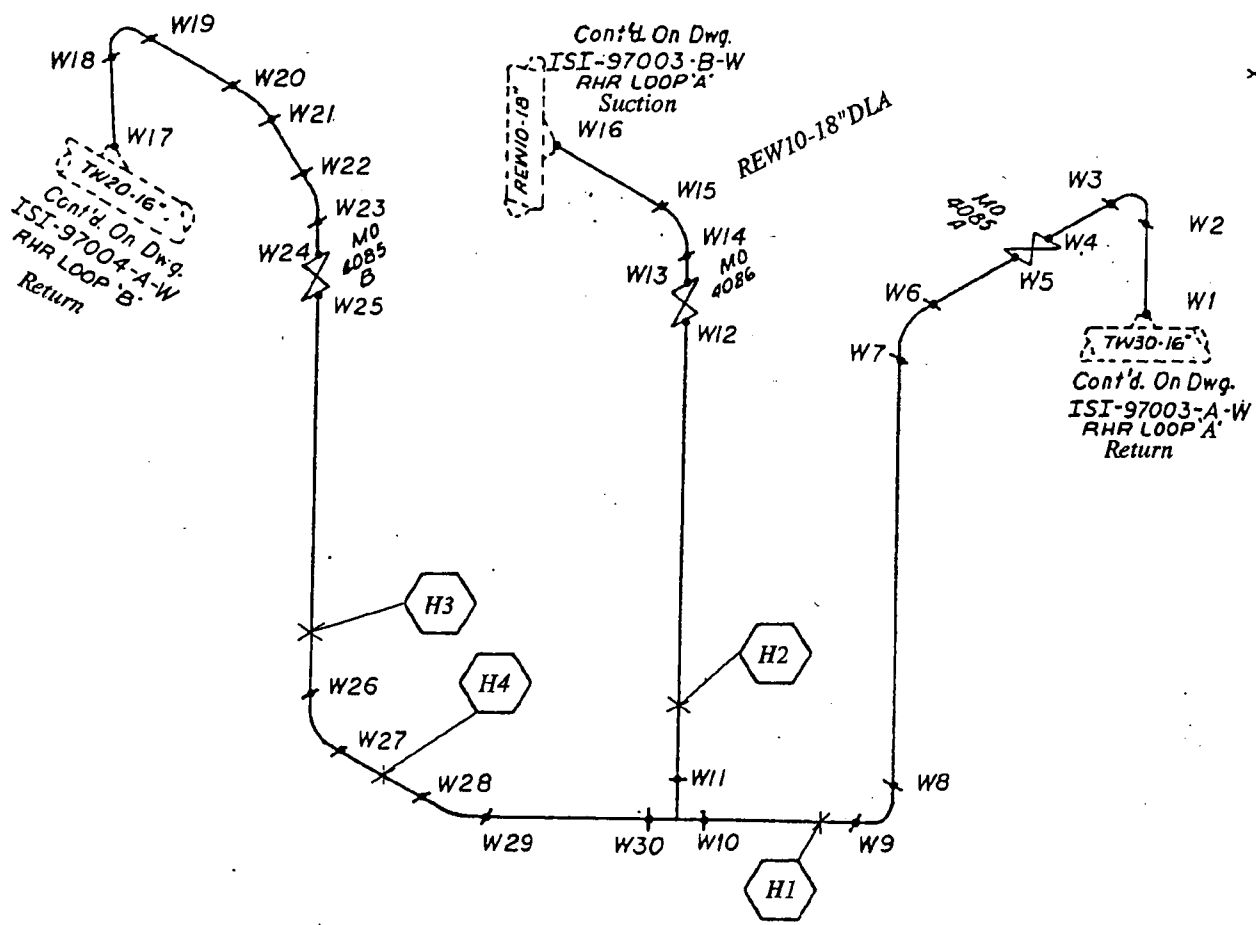
NO CONT'N.



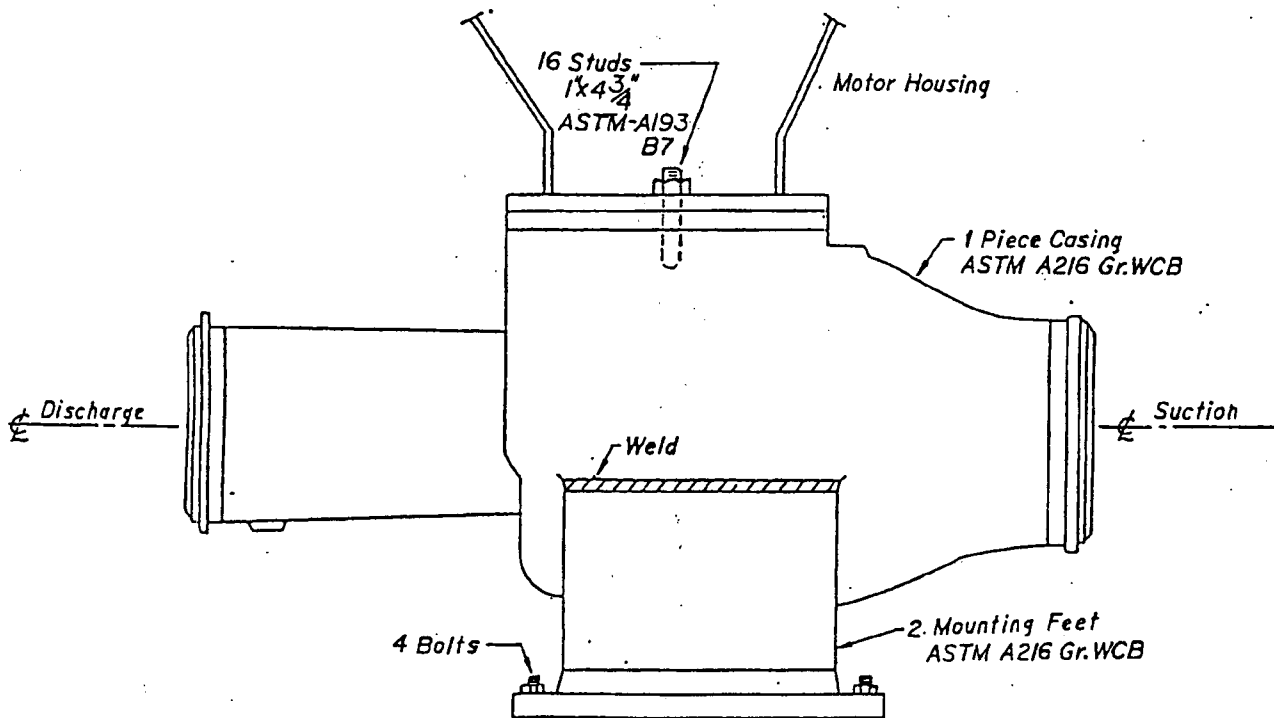
RHR SUCTION

Cont'd. On Dwg.
ISI-13142-49-A

Ref. Dwg. NX-13142-17		ISI
NSP - MONTICELLO		
DWN: MH	CHKD: m✓	APPD: m✓
SYSTEM: <u>RHRB</u>		
LINE NO: <u>Noted</u>		
DWG NO: <u>ISI-13142-17-C</u>		REV: <u>1</u>



Ref. Dwg. NF-97027		ISI
NSP - MONTICELLO		
DWN: MH	CHKD: m ✓	APPD: m ✓
SYSTEM: RHR		
LINE NO: TW40-4-DBA		
DWG NO: ISI-97027-A		REV: 1



SIDE VIEW

RESIDUAL HEAT REMOVAL PUMP

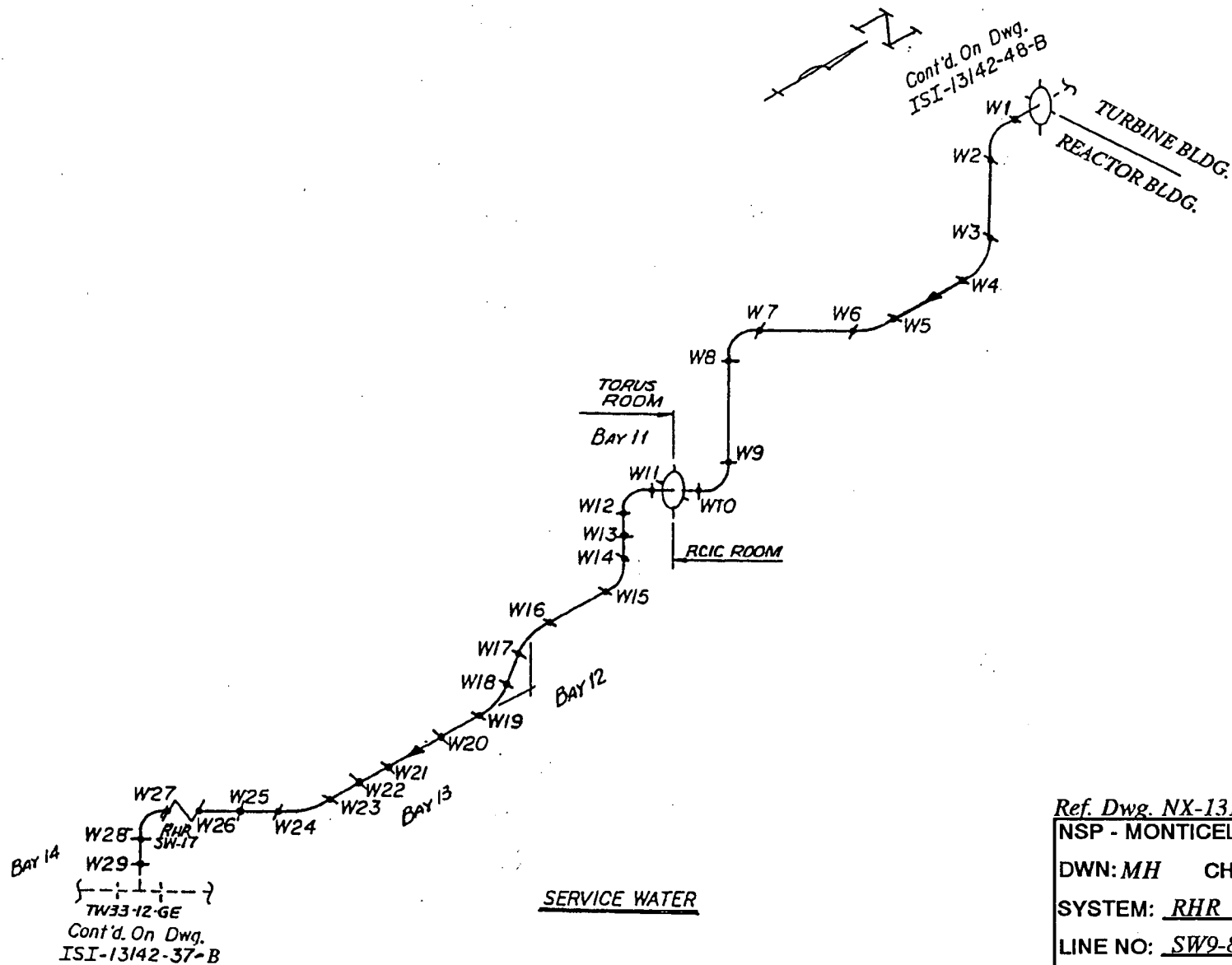
Manufacturer: Bingham

Serial No.	Item
270427	P202A
270428	P202C
270429	P202B
270430	P202D

Type: 12x14x14.5 CVDS

Ref. Dwg. NX-7905-18

NSP - MONTICELLO	ISI
DWN: MH	CHKD: m√ APPD: m√
SYSTEM: <u>RHR Pumps</u>	
LINE NO: _____	
DWG NO: <u>NEW ISI-48</u>	REV: <u>1</u>



Ref. Dwg. NX-13142-48

NSP - MONTICELLO ISI

DWN: MH CHKD: MV APPD: MV

SYSTEM: RHR SW

LINE NO: SW9-8-GE

DWG NO: ISI-13142-48-A REV: 1

RCIC RM. CONDENSER RM.
 REACTOR BLDG. TURBINE BLDG.

Cont'd. On Dwg.
 ISI-13142-48-A

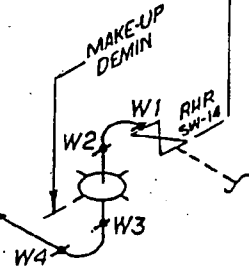


COND. RM.
 FW. PUMP AREA

SERVICE WATER



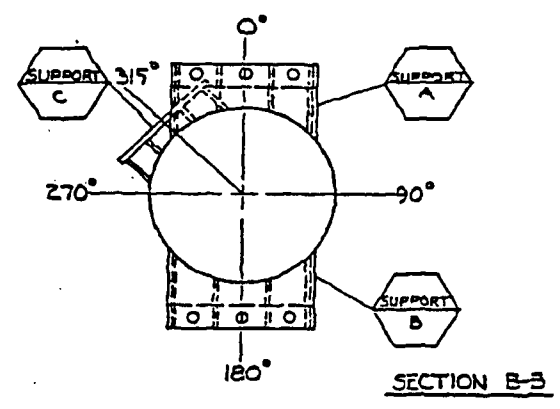
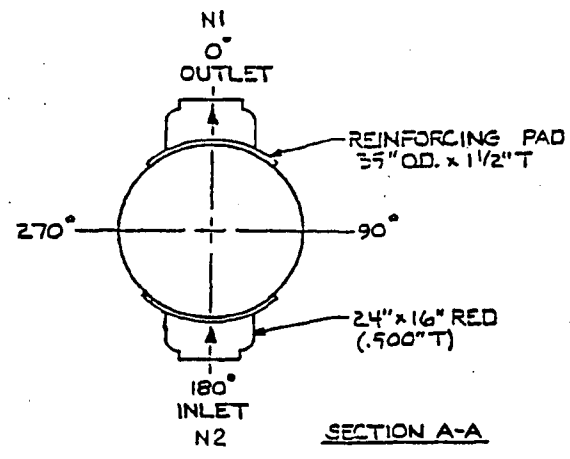
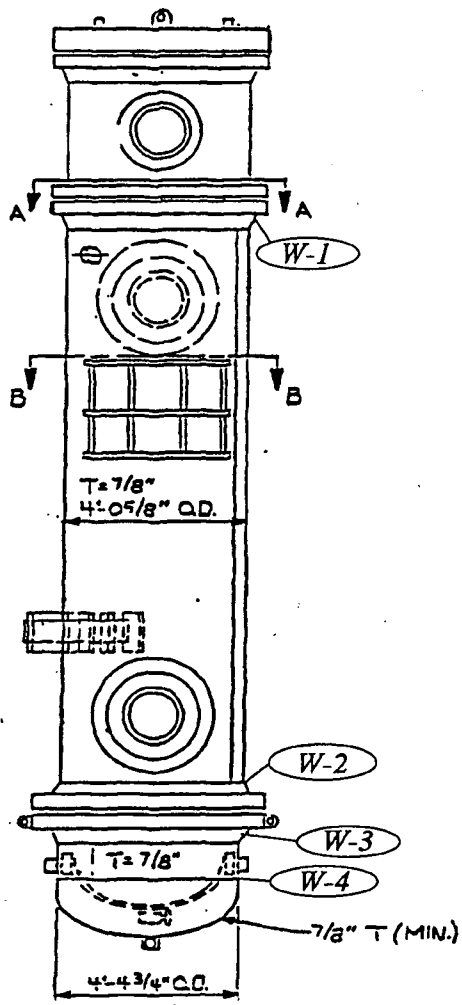
RHR SYSTEM
 RHR SERV. WATER



NO Cont'n.

Ref. Dwg. NX-13142-48

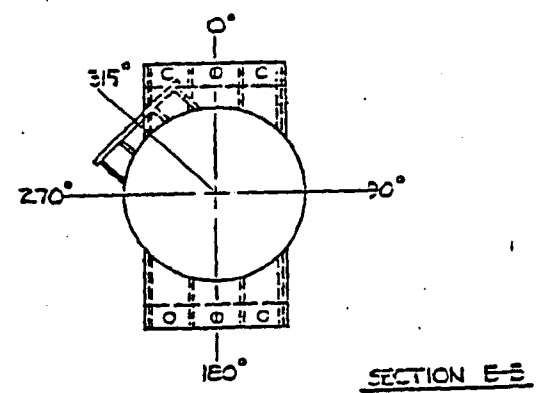
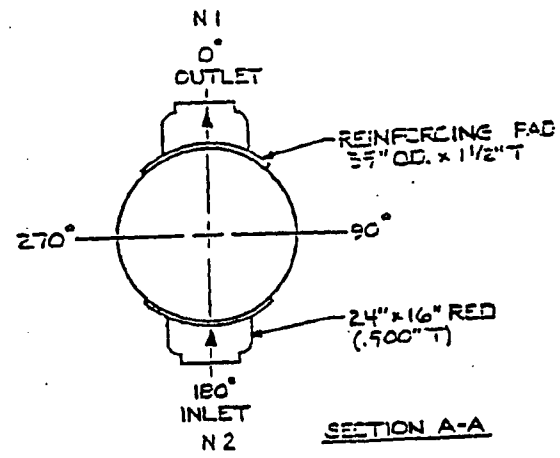
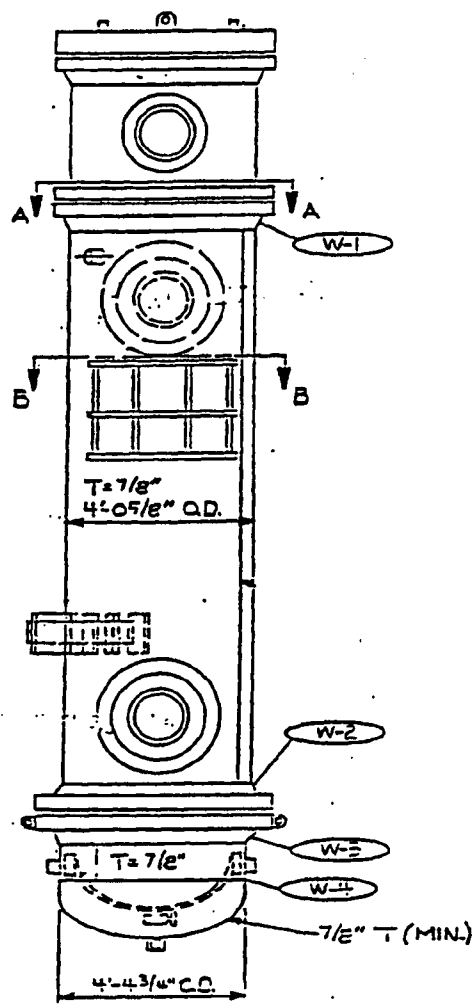
NSP - MONTICELLO	ISI
DWN: MH	CHKD: M V APPD: M V
SYSTEM: RHR SW	
LINE NO: SW9-8-GE	
DWG NO: ISI-13142-48-B REV: 1	



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

RESIDUAL HEAT REMOVAL - HEAT EXCHANGER E200A

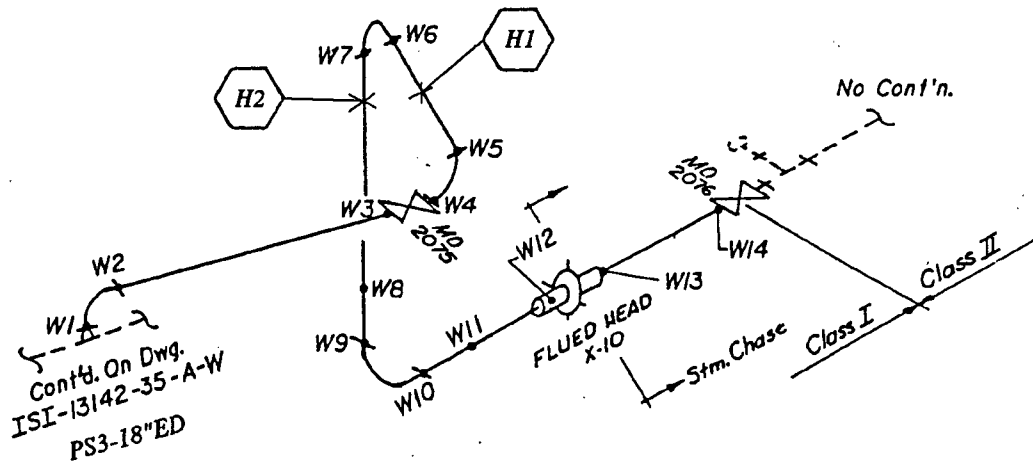
Ref. Dwg. NX-7905-32	
NSP - MONTICELLO	ISI
DWN: MH	CHKD: M ✓ APPD: M ✓
SYSTEM: <u>RHR HX A</u>	
LINE NO: _____	
DWG NO: <u>ISI-7905-32-A</u>	REV: <u>1</u>



MATERIAL : SHELL - A-212, GR. B ...
 NOZZLES - A-234, GR. WPS
 TUBE SHEET - A-515, GR. 70

RESIDUAL HEAT REMOVAL - HEAT EXCHANGER E200B

Ref. Dwg. NX-7905-32		ISI
NSP - MONTICELLO		
DWN: MH	CHKD: MV	APPD: MV
SYSTEM: RHR HX B		
LINE NO: _____		
DWG NO: ISI-7905-32-B		REV: 1



STEAM SIDE

Ref. Dwg. NX-13142-43

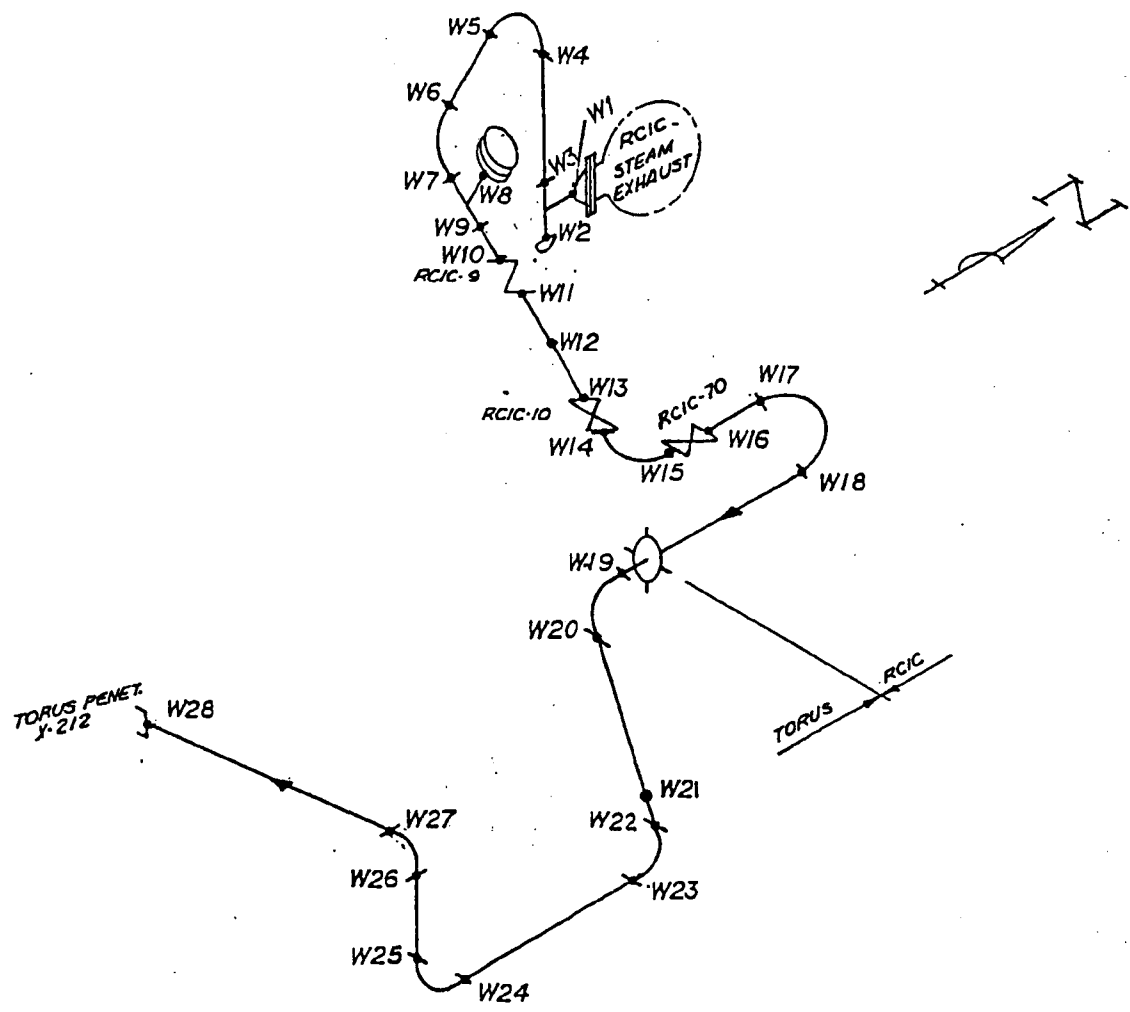
NSP - MONTICELLO ISI

DWN: MH CHKD: *h* APPD: *m*

SYSTEM: RCIC Steam

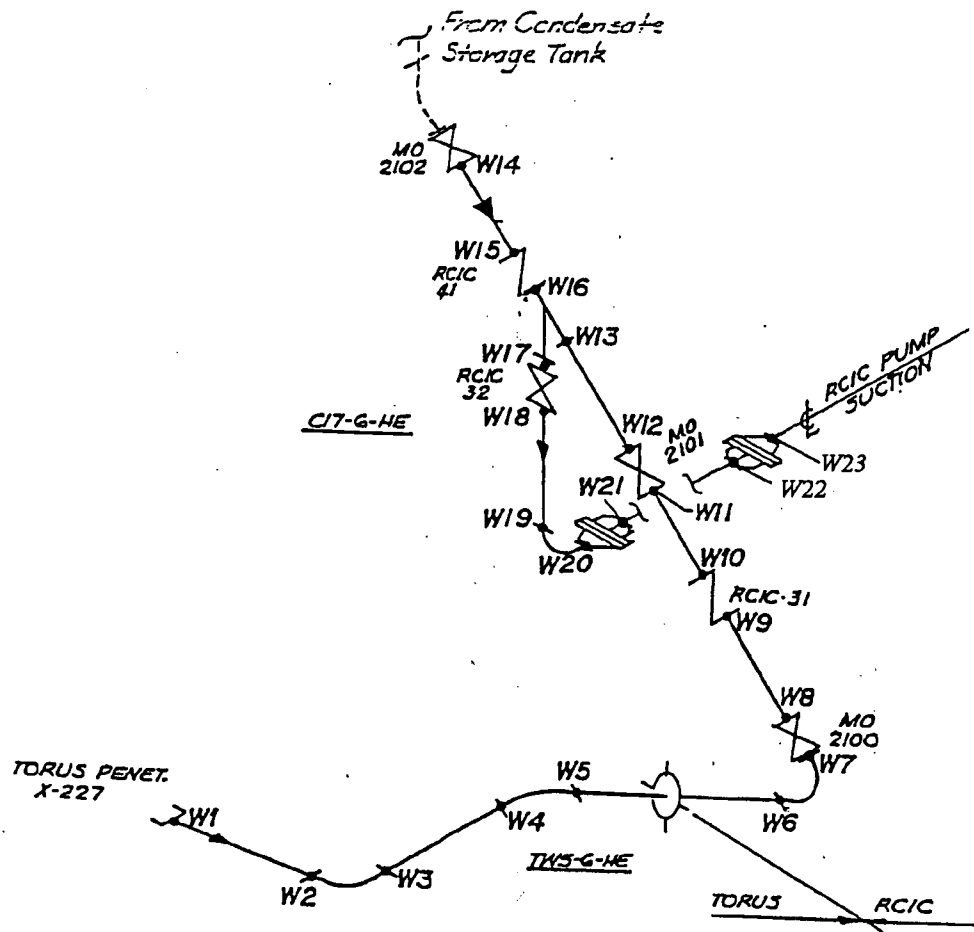
LINE NO: PS17-3-ED

DWG NO: ISI-13142-43-A REV: 1



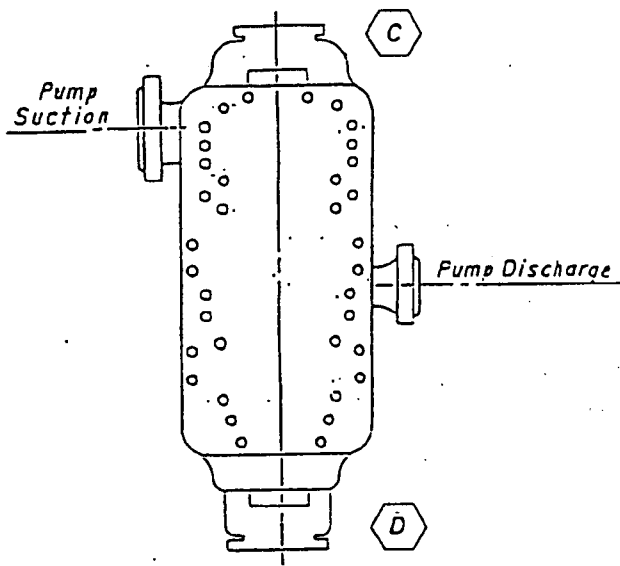
STEAM DISCHARGE

Ref. Dwg. NX-13142-19		ISI
NSP - MONTICELLO		
DWN: MH	CHKD: M ✓	APPD: M ✓
SYSTEM: <u>RCIC Steam Discharge</u>		
LINE NO: <u>RS3-8-HE</u>		
DWG NO: <u>ISI-13142-19-B</u>		REV: <u>1</u>

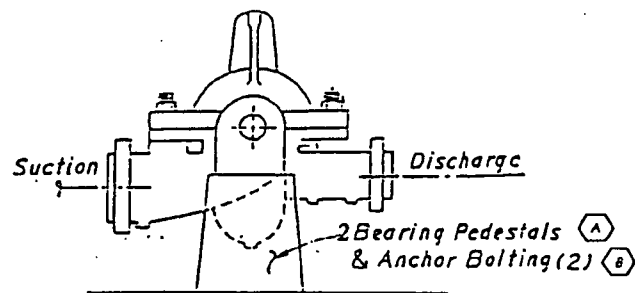


WATER SUCTION

Ref. Dwg. 13142-41		ISI
NSP - MONTICELLO		
DWN: MH	CHKD: M ✓	APPD: M ✓
SYSTEM: RCIC Water		
LINE NO: TW5-6"HE/C17-6"HE		
DWG NO: ISI-13142-41-A REV: 1		



LOOKING DOWN

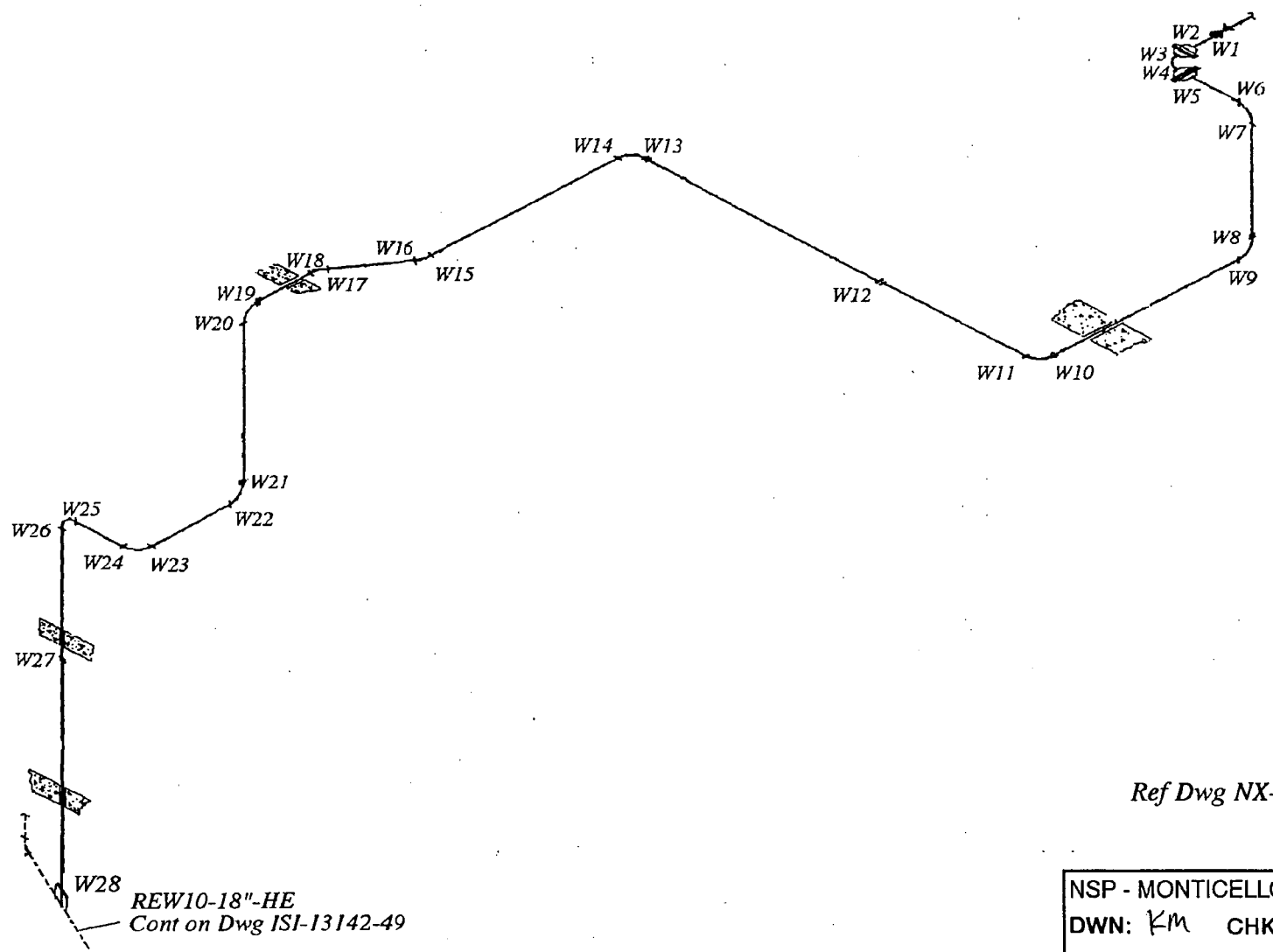


VIEW FROM PUMP END

REACTOR CORE INJECTION COOLANT (RCIC) Pump

Manufacturer: Bingham
 Serial N° 270608
 Material: ASTM A216, Gr. WCB

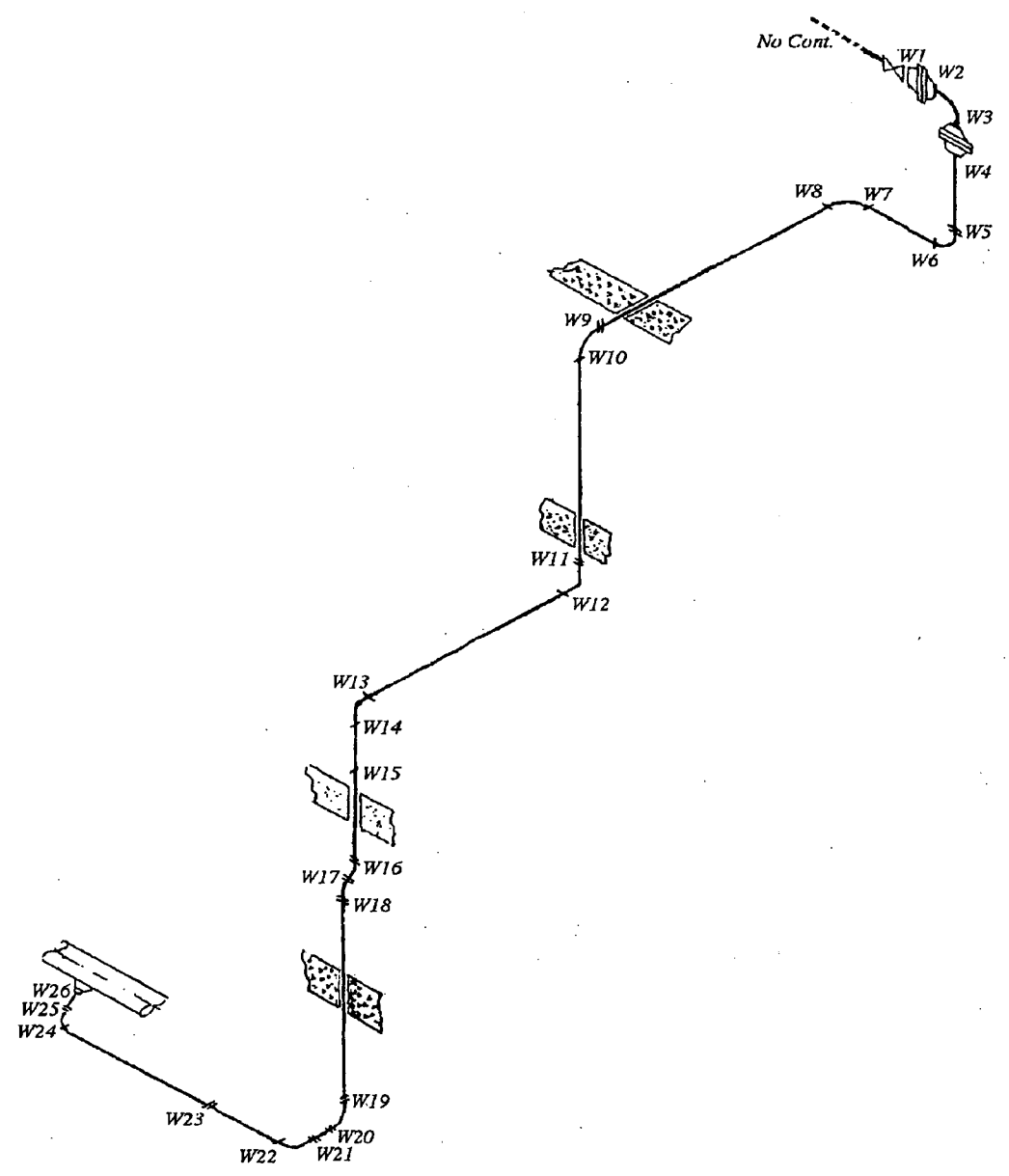
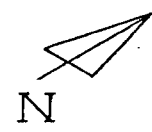
NSP - MONTICELLO	ISI
DWN: MH	CHKD: M ✓ APPD: M ✓
SYSTEM: <u>RCIC Pump</u>	
LINE NO: _____	
DWG NO: <u>NEW ISI-47</u>	REV: <u>1</u>



REW10-18"-HE
Cont on Dwg ISI-13142-49

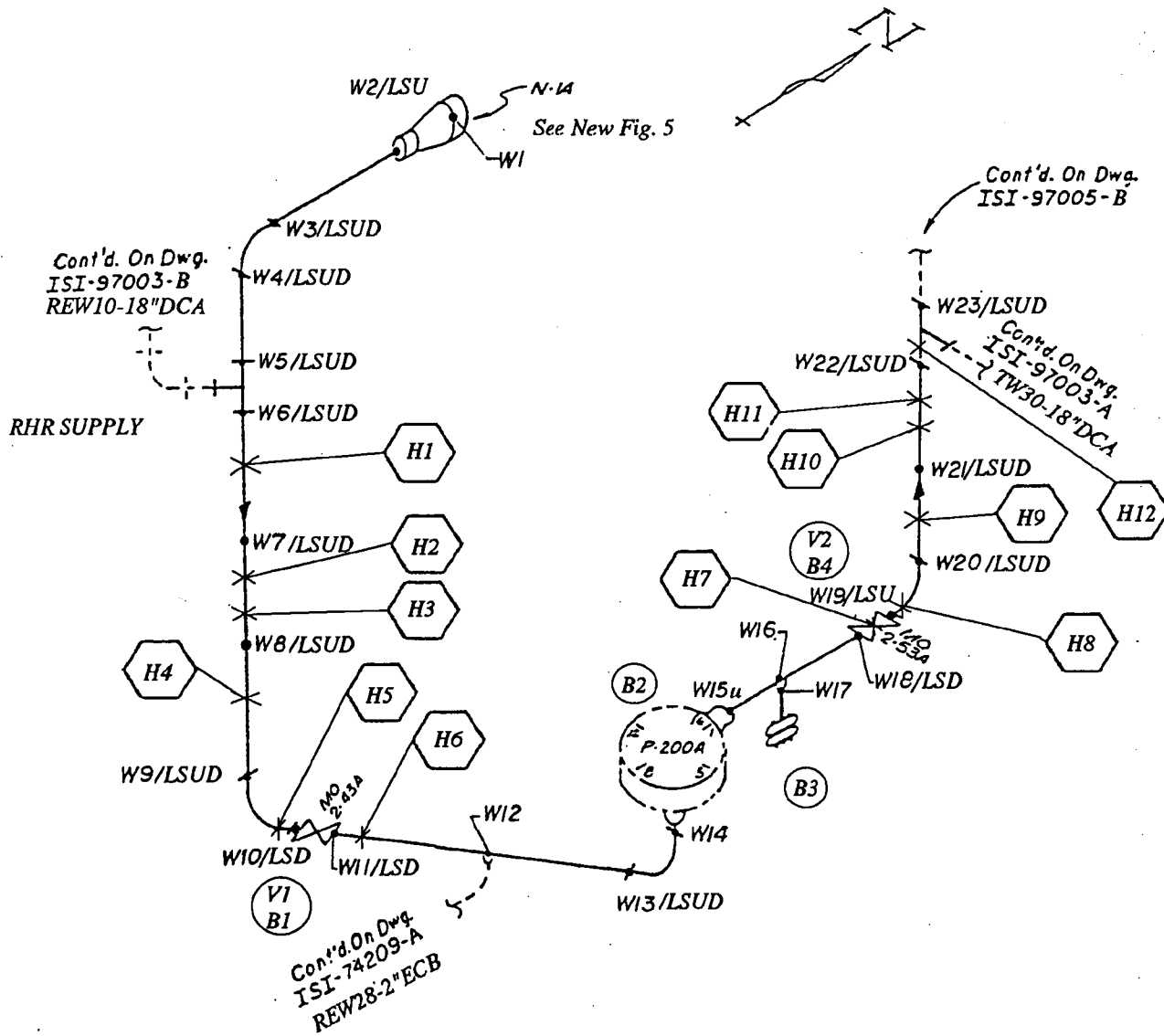
Ref Dwg NX-13142-67

NSP - MONTICELLO	ISI
DWN: KM	CHKD: MV APPD: MV
SYSTEM: Fuel Pool Emergency Cooling	
LINE NO: RGW11-8"HG	
DWG NO: ISI-13142-67	REV: 0



Ref. Dwg. NX-13142-62

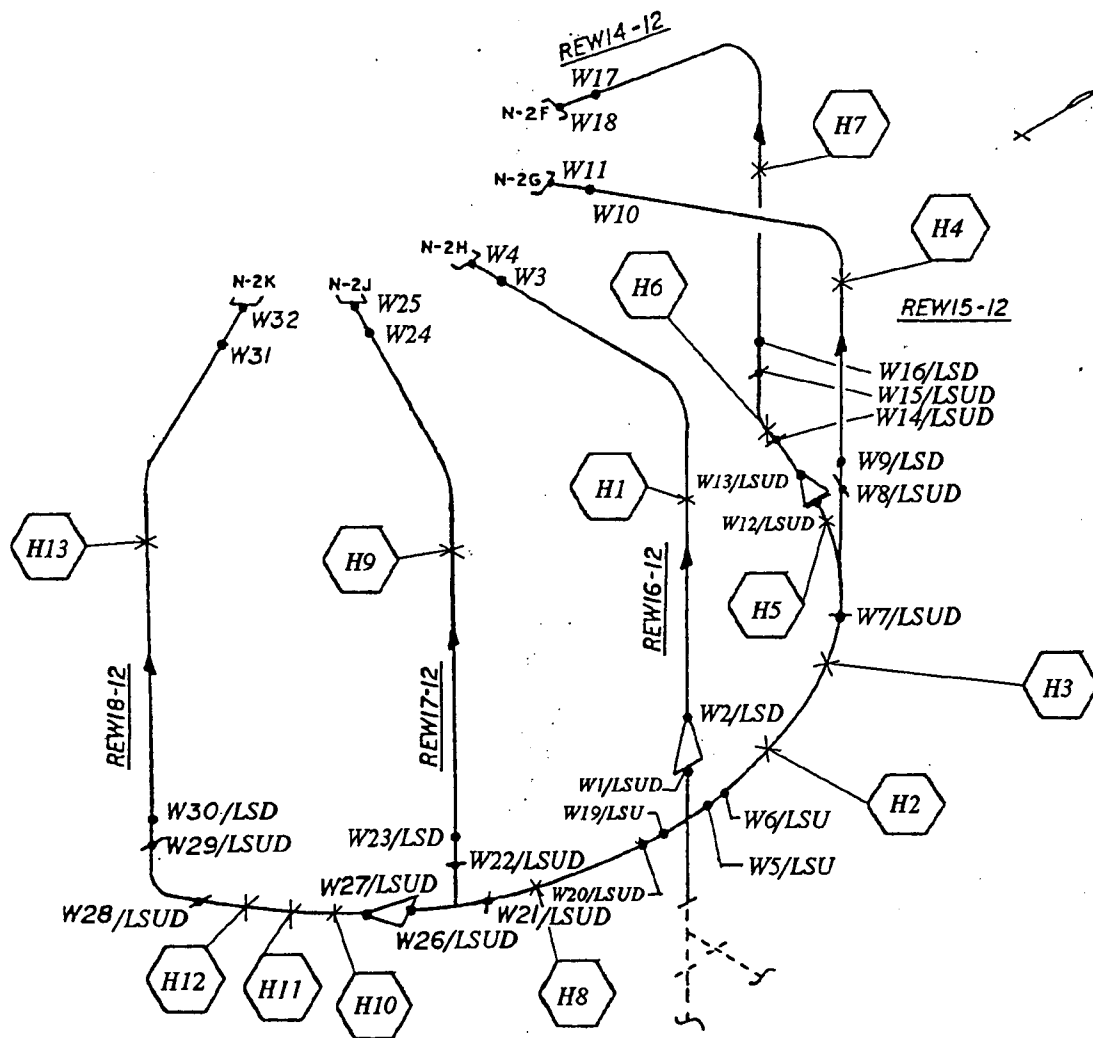
NSP - MONTICELLO	ISI
DWN: KM CHKD: MV APPD: MV	
SYSTEM: <u>Fuel Pool Emergency Cooling</u>	
LINE NO: <u>FPW 12-8"GE</u>	
DWG NO: <u>ISI-13142-62</u>	REV: 0



RECIRC. LOOP 'A'

Ref. Dwg. NF-96201
NX-7831-37-1
NF-97005

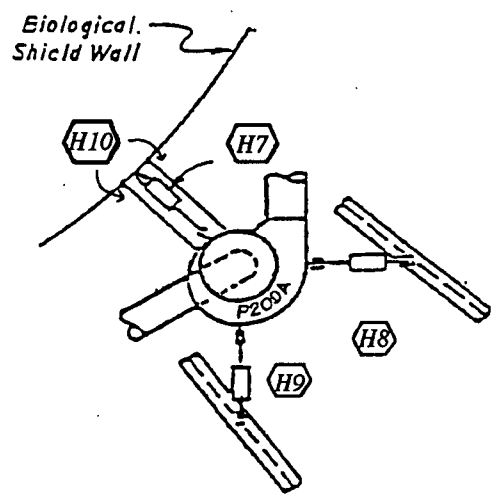
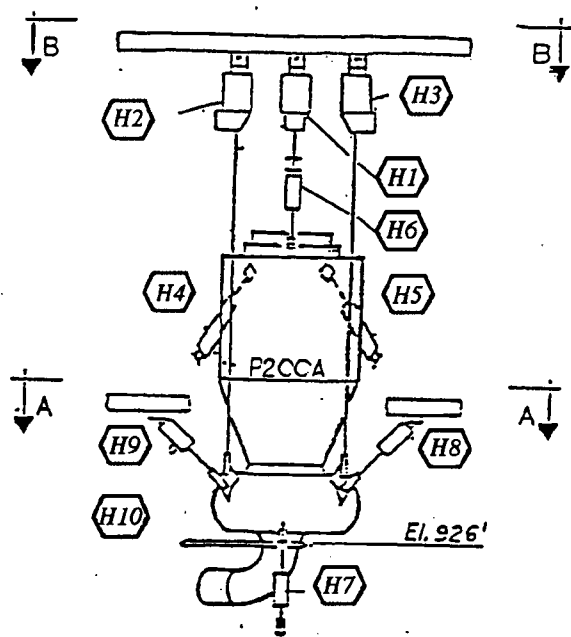
NSP - MONTICELLO	ISI
DWN: MH	CHKD: M ✓ APPD: M ✓
SYSTEM: <u>Recirc. A</u>	
LINE NO: <u>REW13A-28"DCA</u>	
DWG NO: <u>ISI-97005-A</u> REV: <u>1</u>	



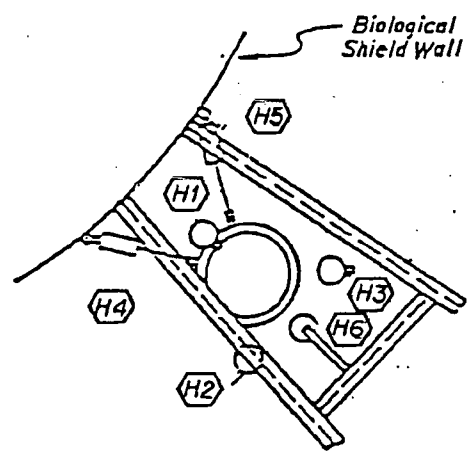
RECIRC. MANIFOLD 'A'

Ref. Dwg. NF-96201
 NX-7831-37-1
 NF-97005

NSP - MONTICELLO	ISI
DWN: MH	CHKD: m√ APPD: m√
SYSTEM: <u>Recirc. A</u>	
LINE NO: <u>REW32-22</u>	
DWG NO: <u>ISI-97005-B</u>	REV: <u>1</u>

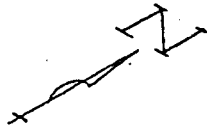


PLAN 'A-A'
Elev. 935'

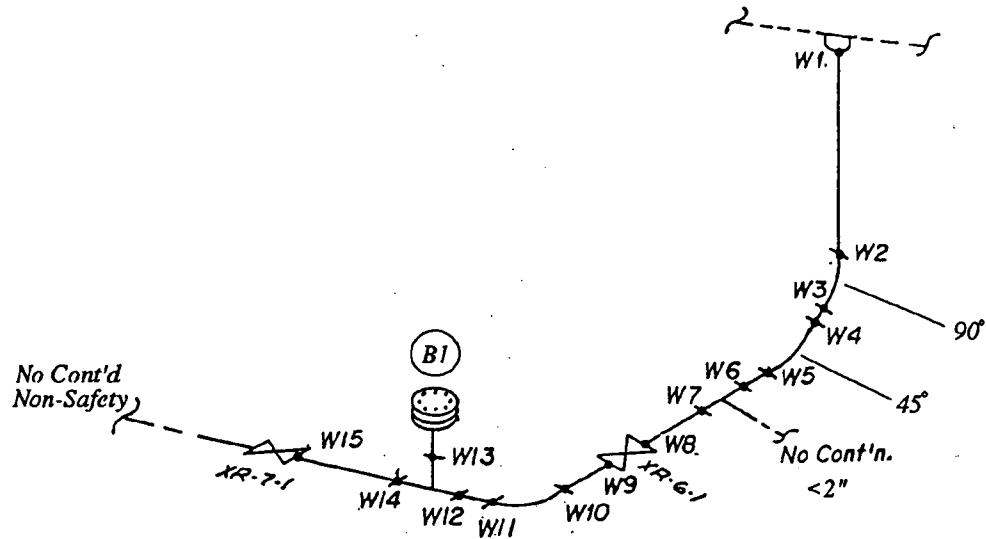


PLAN 'B-B'
Elev. 952'

NX-7831-37-3; NF-96201	
Ref. Dwg. NX-7831-34; NF-97005	
NSP - MONTICELLO	ISI
DWN: MH	CHKD: M ✓ APPD: M ✓
SYSTEM: <i>Recirc Pump A Supports</i>	
LINE NO: _____	
DWG NO: <i>ISI-97005-C</i> REV: <i>1</i>	



Cont'd. On Dwg.
ISI-97005-A
REW13A-28"DCA



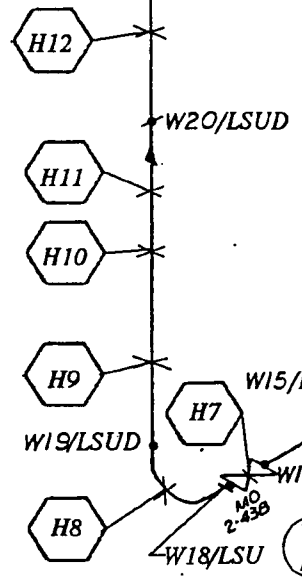
RECIRC. DRAIN LINE

Ref. Dwg. NQ-74209-1

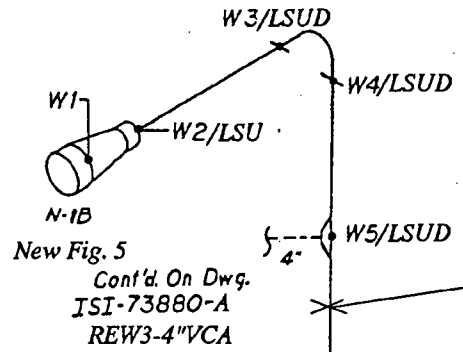
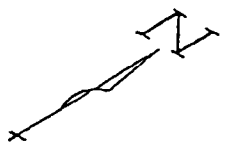
NSP - MONTICELLO	ISI
DWN: MH	CHKD: m✓ APPD: m✓
SYSTEM: <u>Recirc. A Drain</u>	
LINE NO: <u>REW28-2-ECB</u>	
DWG NO: <u>ISI-74209-1-A</u> REV: <u>1</u>	

Cont'd. On Dwg.
ISI-97006-B
W22/LSUD

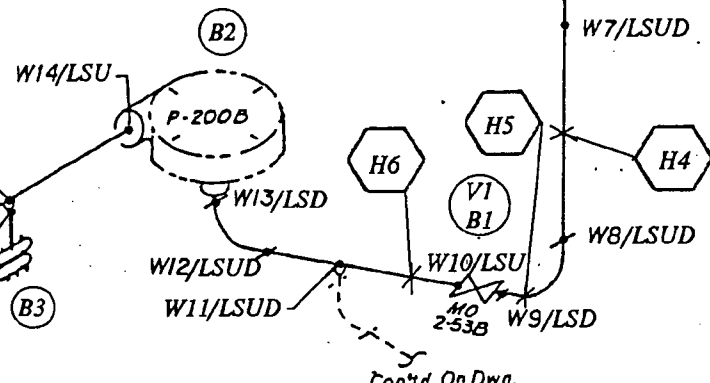
Cont'd. On Dwg.
ISI-97004-A
TW20-18"DCA
W21/LSUD



RECIRC. LOOP B



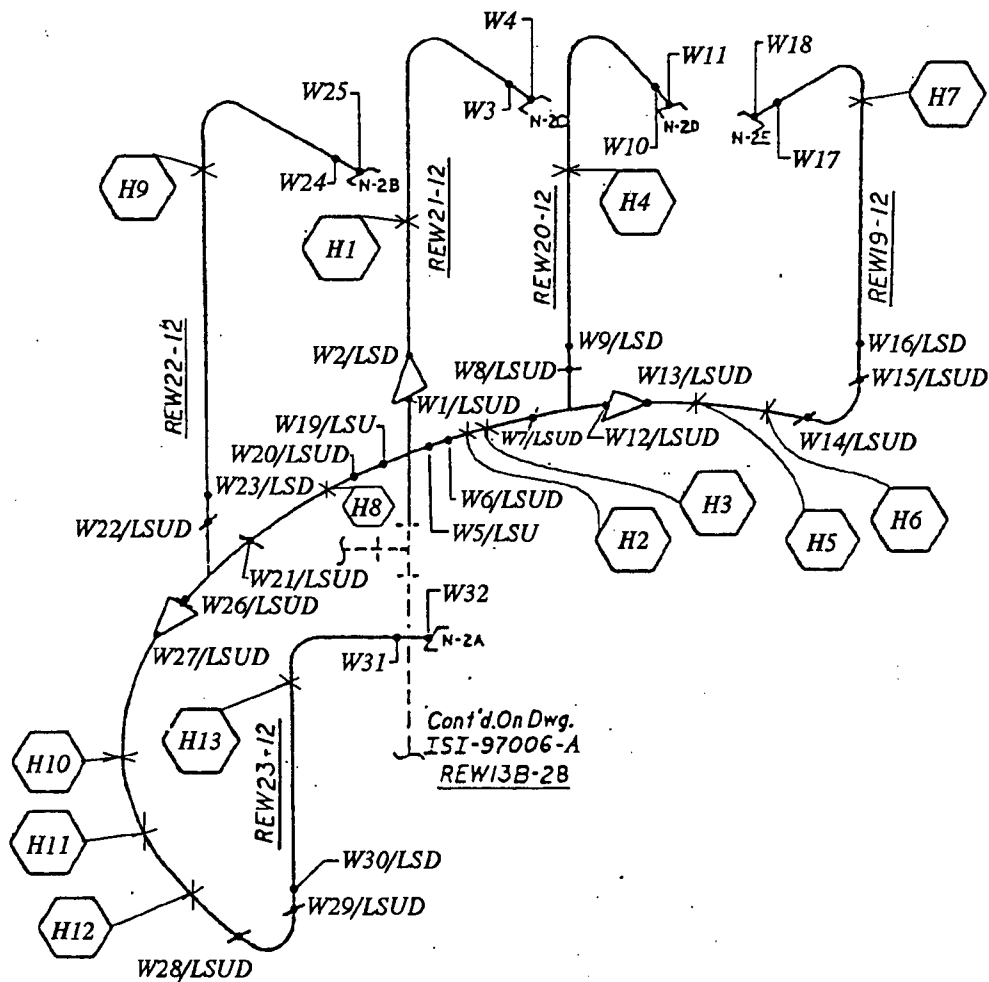
New Fig. 5
Cont'd. On Dwg.
ISI-73880-A
REW3-4"VCA



Cont'd. On Dwg.
ISI-74210-

Ref. Dwg. NF-97006
NF-96202
NX-7831-37-1

NSP - MONTICELLO		ISI
DWN: MH	CHKD: MV	APPD: M ✓
SYSTEM: <u>Recirc. B</u>		
LINE NO: <u>REW13B-28-DCA</u>		
DWG NO: <u>ISI-97006-A</u>		REV: <u>1</u>

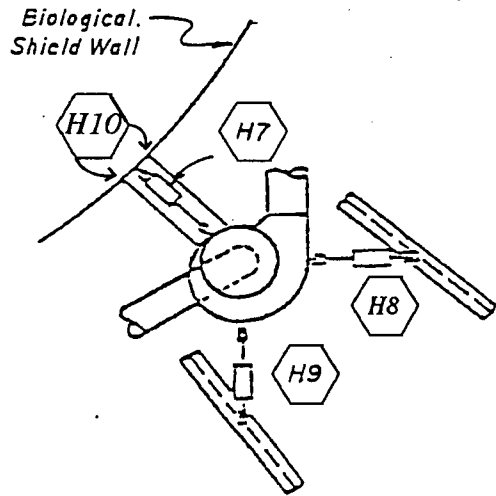
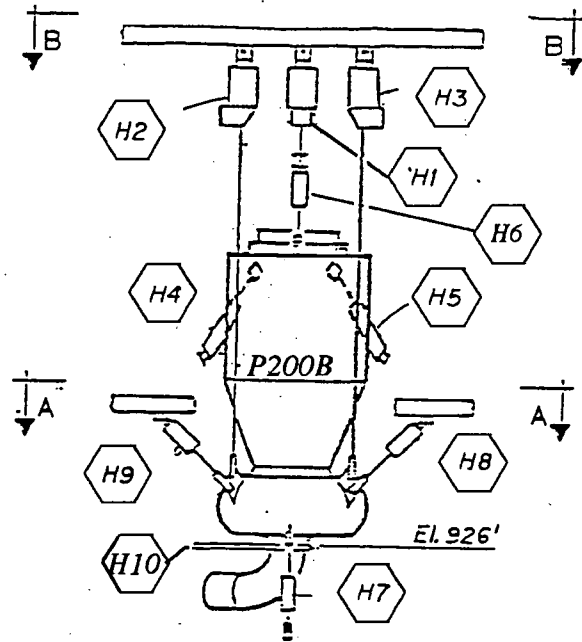


Cont'd. On Dwg.
ISI-97006-A
REW13B-28

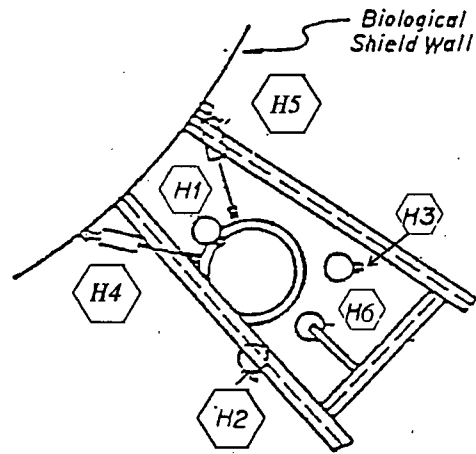
RECIRC. MANIFOLD 'B'

Ref. Dwg. NF-97006
NF-96202
NX-7831-37-1

NSP - MONTICELLO		ISI
DWN: MH	CHKD: MV	APPD: M ✓
SYSTEM: <u>Recirc. B</u>		
LINE NO: <u>REW32-22</u>		
DWG NO: <u>ISI-97006-B</u>		REV: <u>1</u>



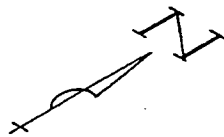
PLAN 'A-A'
Elev. 935'



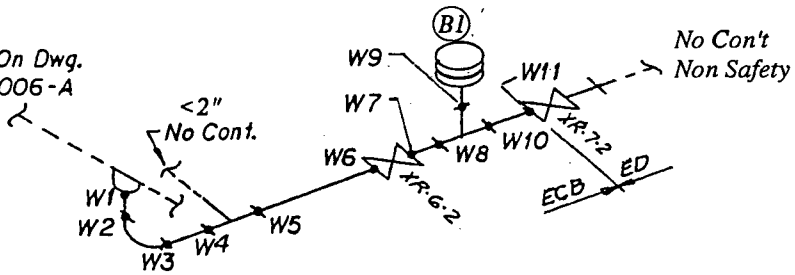
PLAN 'B-B'
Elev. 952'

Ref. Dwg. NF-97006; NF-96202
NX-7831-34; NX-7831-37-3

NSP - MONTICELLO	ISI
DWN: MH	CHKD: <i>MV</i> APPD: <i>MV</i>
SYSTEM: <u>Recirc Pump B Supports</u>	
LINE NO: _____	
DWG NO: <u>ISI-97006-C</u>	REV: <u>1</u>



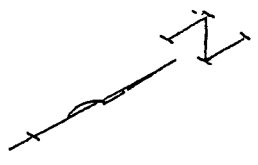
Cont'd. On Dwg.
ISI-97006-A



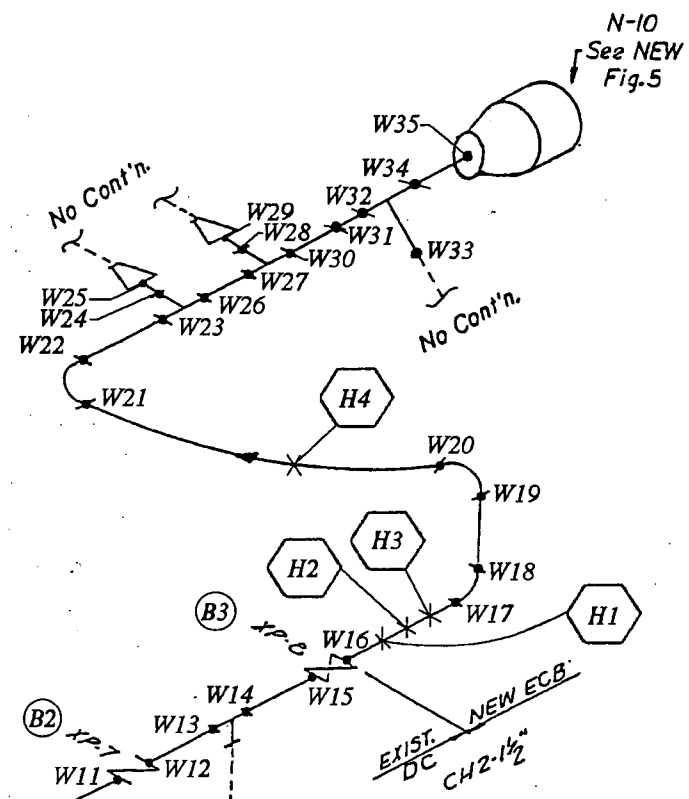
RECIRC. DRAIN LINE

Ref. Dwg. NQ-74210-1

NSP - MONTICELLO	ISI
DWN: MH	CHKD: <i>MJ</i> APPD: <i>MJ</i>
SYSTEM: <u>Recirc. B Drain</u>	
LINE NO: <u>REW29-2-ECB/ED</u>	
DWG NO: <u>ISI-74210-1-A</u> REV: <u>1</u>	

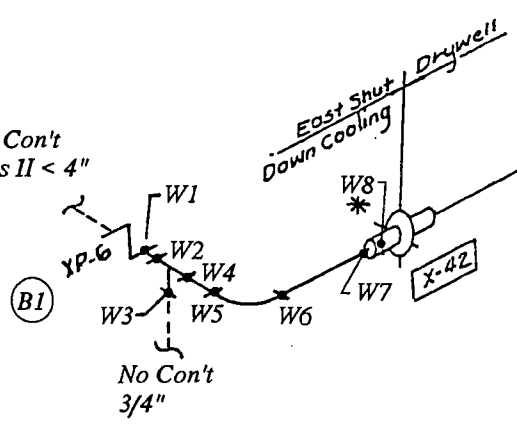


N-10
See NEW
Fig.5



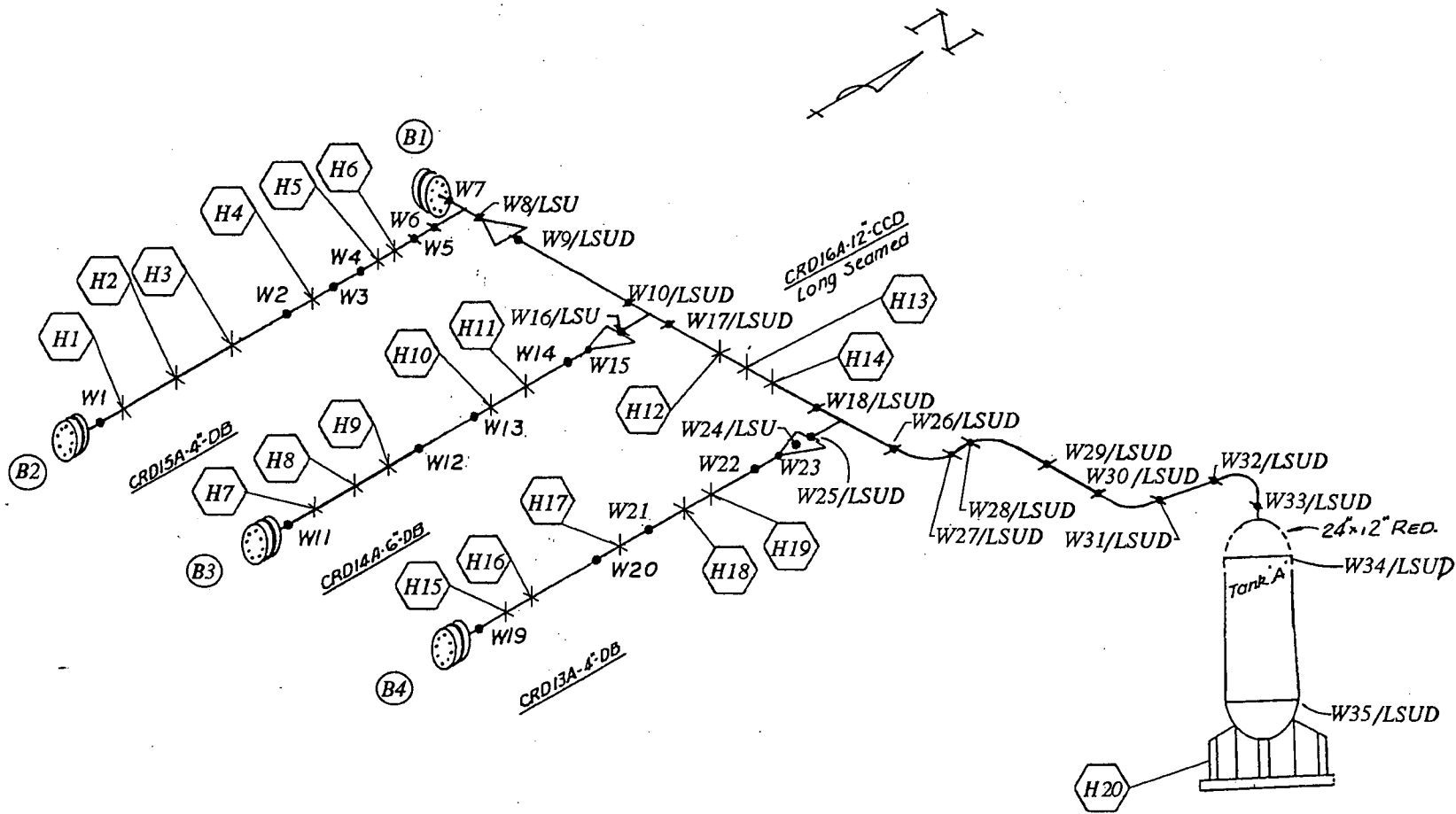
* Inaccessible

No Cont'
Class II < 4"



FSK-785
NQ-74215
Ref. Dwg. NX-7831-523

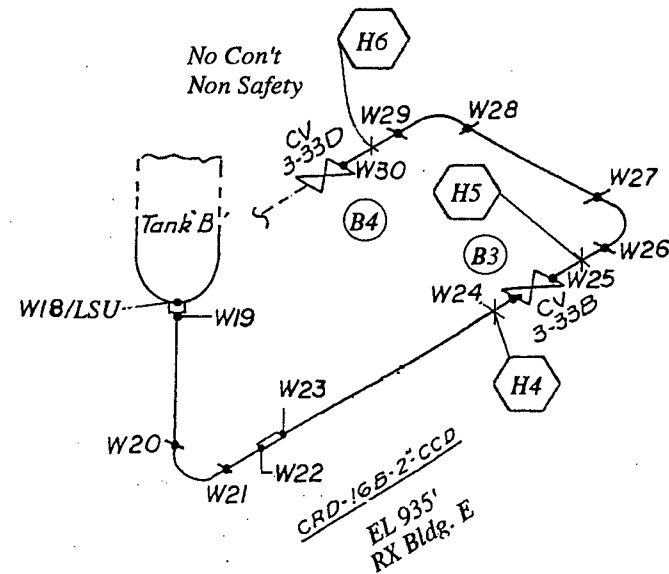
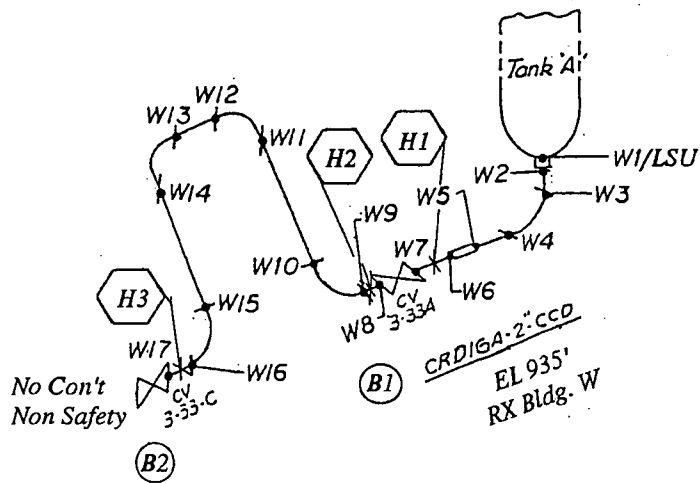
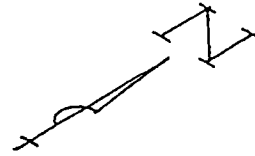
NSP - MONTICELLO	ISI
DWN:MH	CHKD: M✓ APPD: M✓
SYSTEM: <u>Standby Liquid Control</u>	
LINE NO: _____	
DWG NO: <u>ISI-74215-A</u>	REV: <u>1</u>



CRD SCRAM HEADER 'A'
West Side

Ref. Dwg NF-93268-1
NF-93268-4
NX-13142-77

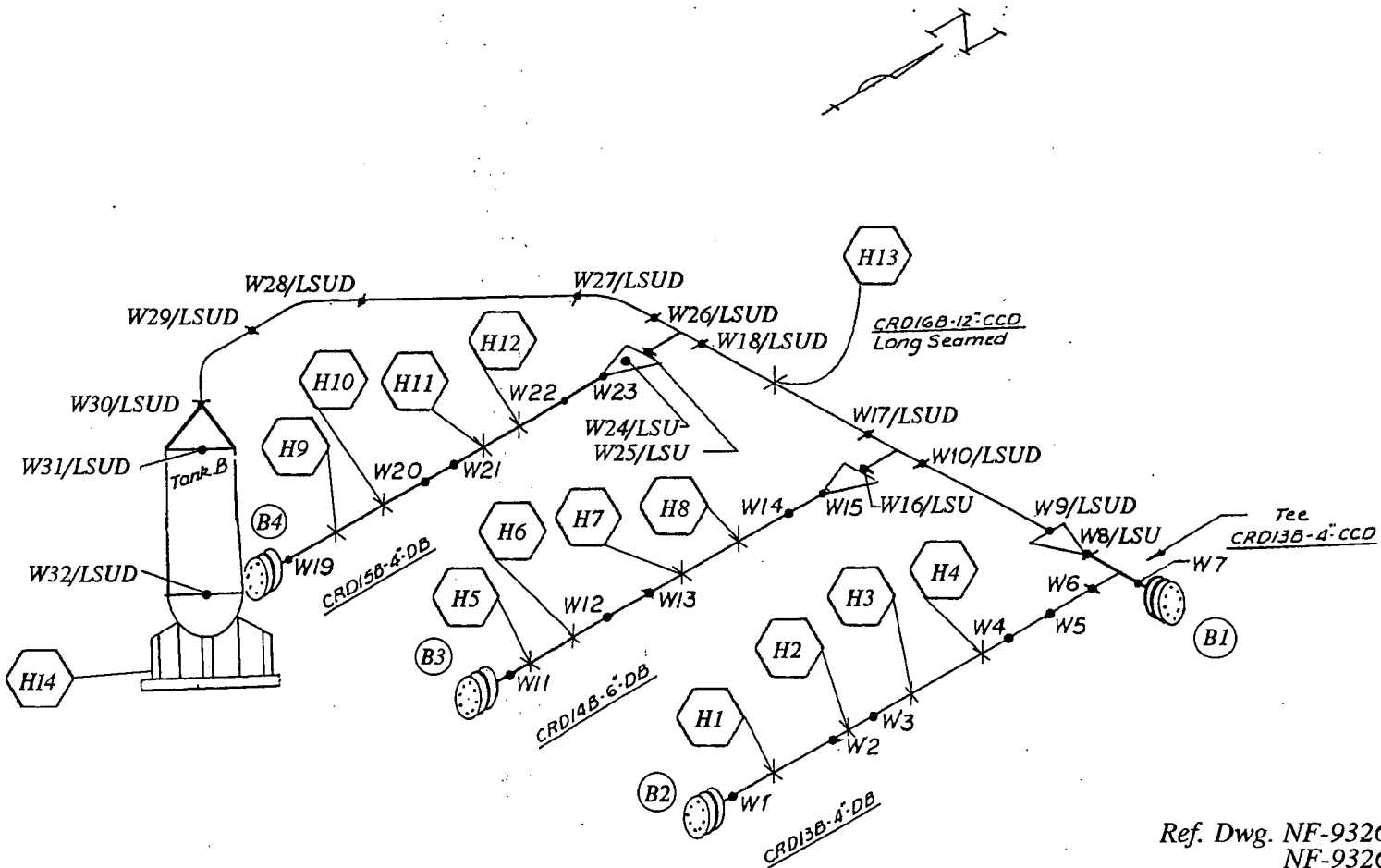
NSP - MONTICELLO	ISI
DWN: MH	CHKD: <i>MV</i> APPD: <i>MV</i>
SYSTEM: <u>CRD A</u>	
LINE NO: <u>CRD16A-12"CCD</u>	
DWG NO: <u>ISI-93268-1-A</u>	REV: <u>1</u>



Ref. Dwg. NF-93268-1
 NF-93268-3
 NF-93268-4

CRD SCRAM HEADER DISCHARGE

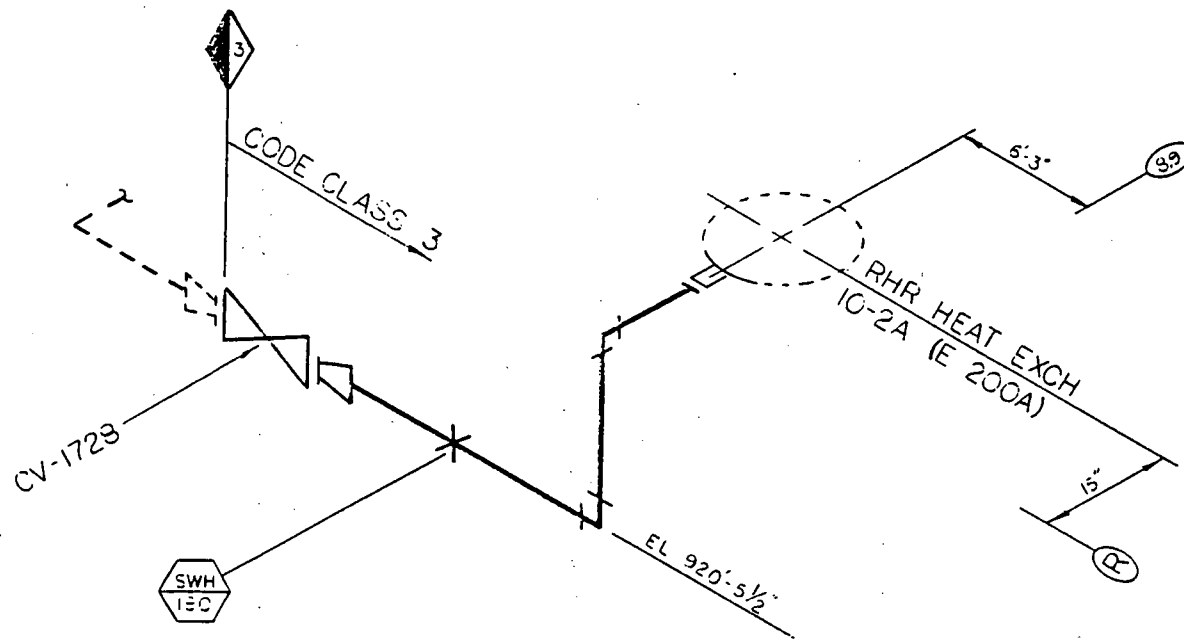
NSP - MONTICELLO	ISI
DWN: MH	CHKD: <i>mh</i> APPD: <i>mh</i>
SYSTEM: CRD	
LINE NO: CRD-16A&B-2\"/>	



CRD SCRAM HEADER B
East Side

Ref. Dwg. NF-93268-1
NF-93268-3
NX-13142-77

NSP - MONTICELLO	ISI
DWN: MH	CHKD: M ✓ APPD: M ✓
SYSTEM: CRD	
LINE NO: <u>Noted</u>	
DWG NO: <u>ISI-93268-3-A</u>	REV: <u>1</u>



 = 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 - CODE CLASS 3

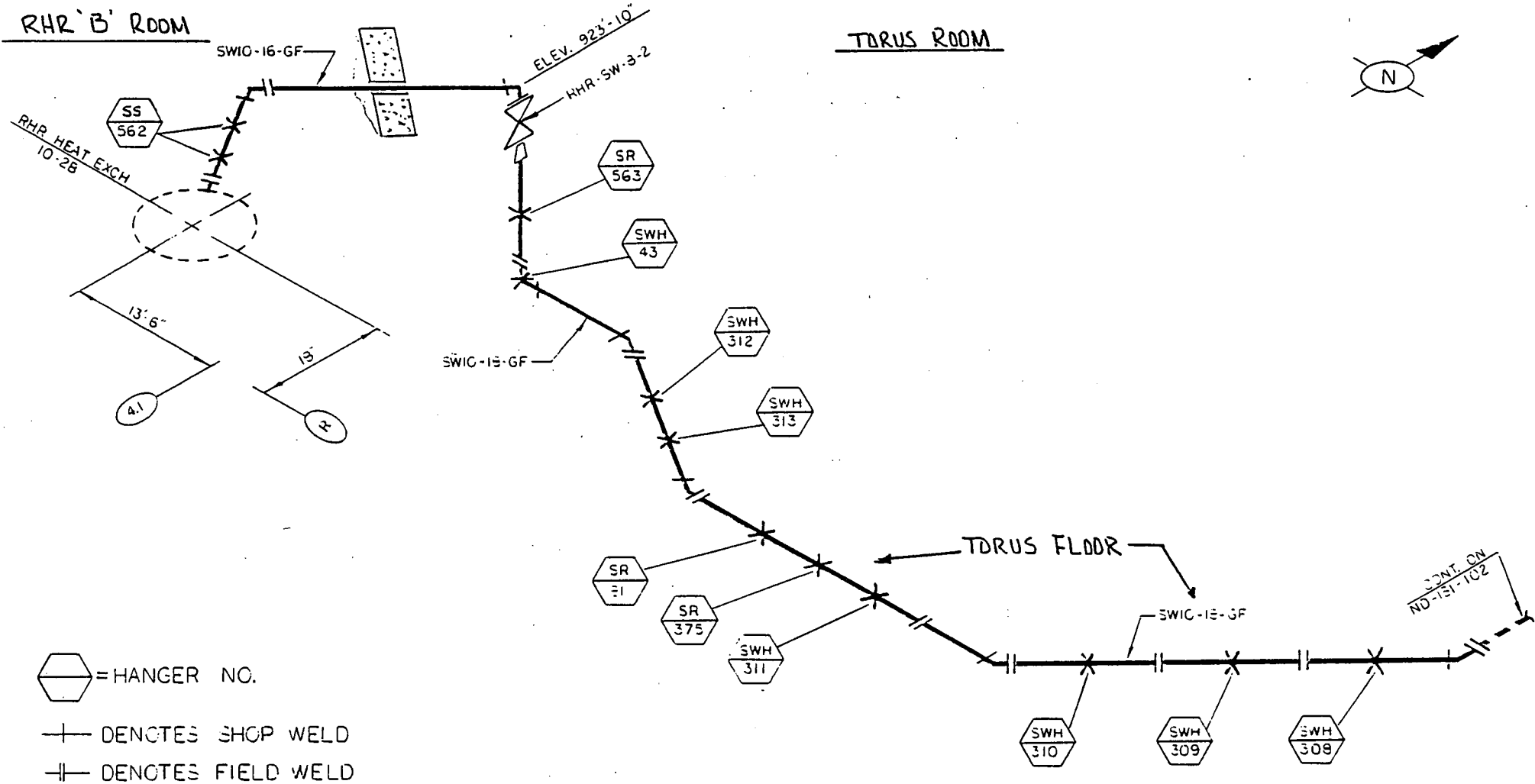
NORTHERN STATES POWER COMPANY
ENGINEERING DEPARTMENT
MINNEAPOLIS




SCALE N/A | REV. 0

ND- ISI-100

RHR 'B' ROOM

TORUS ROOM






-  = HANGER NO.
-  DENOTES SHOP WELD
-  DENOTES FIELD WELD

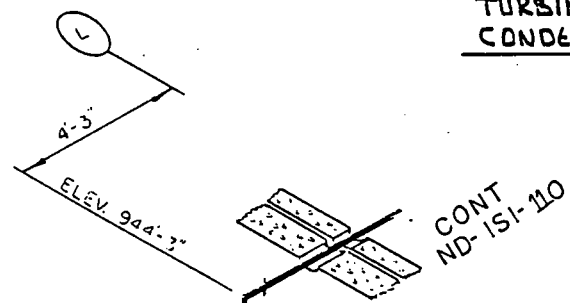
SERVICE WATER

SWIO-18'-GF & SWIO-16'-GF		CHK:LD	APP:JB
REF DWG: AE424	LINE NO: AS NOTED	DWN: RW	DATE: 11-2-83
MONTICELLO NUCLEAR PLANT HANGER 131 PROGRAM - CCDE CLASS 3			
NORTHERN STATES POWER COMPANY ENGINEERING DEPARTMENT MINNEAPOLIS		SCALE N/A	REV. 0
ND-131-101			

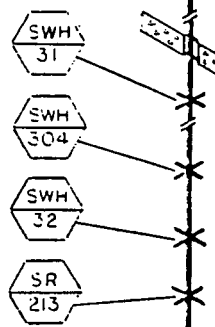


-  = HANGER NO.
-  DENOTES SHOP WELD
-  DENOTES FIELD WELD.

TURBINE BLDG.
CONDENSER ROOM

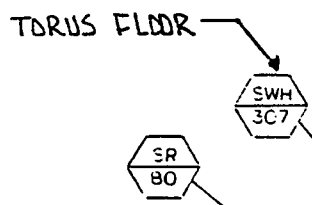


CONT
ND-151-110



HPCI ROOM

* INDICATES NO SUPPORTS
REQ'D ON CONTINUATION



TORUS ROOM

CONT. ON
ND-151-101

SERVICE WATER

CHK: LD APP: JB

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

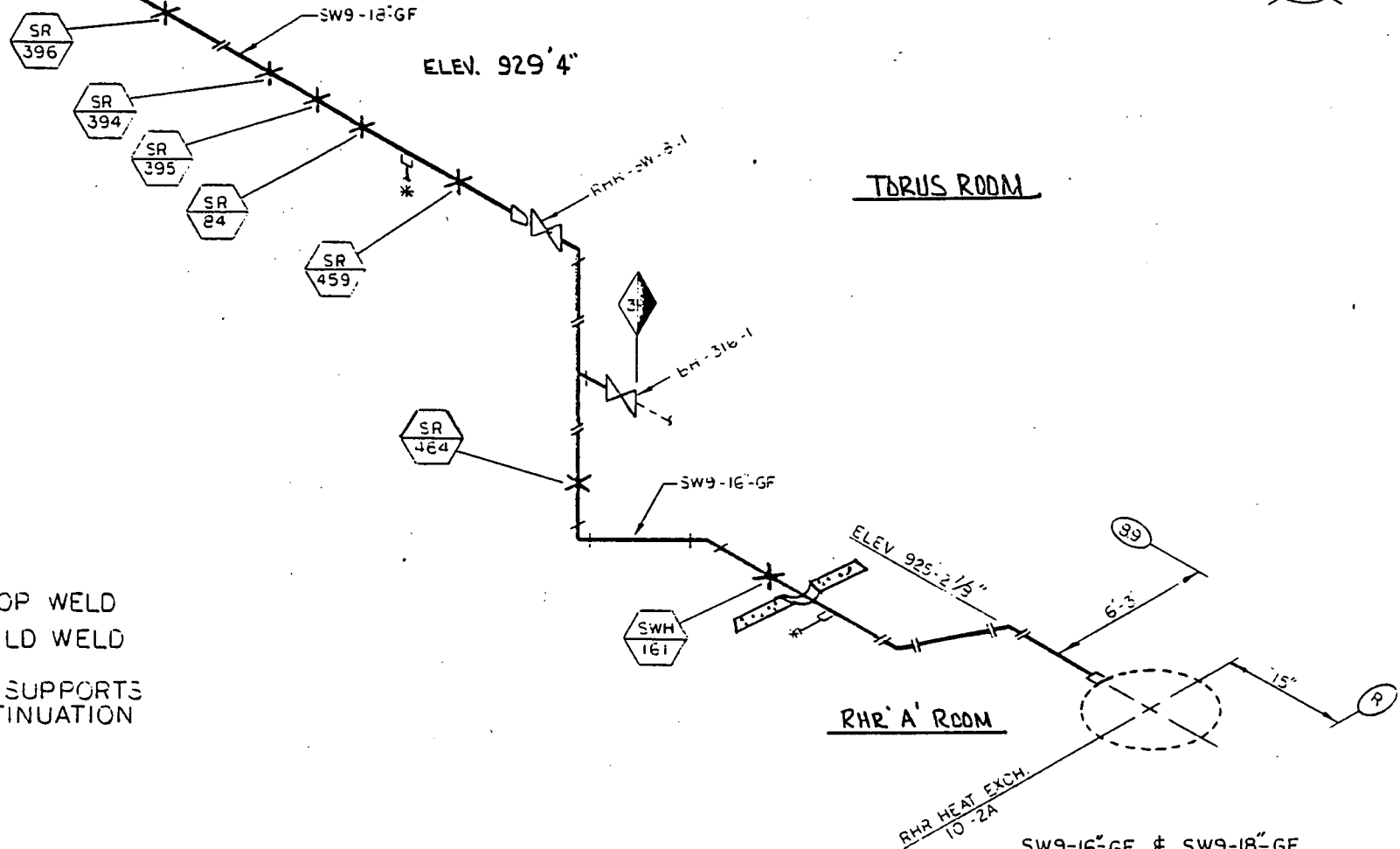
MONTICELLO NUCLEAR PLANT
HANGER ISI PROGRAM - CODE CLASS 3

NORTHERN STATES POWER COMPANY
ENGINEERING DEPARTMENT
MINNEAPOLIS

SCALE N/A REV. C

ND-151-102

CONT. ON
ND-ISI-104



= HANGER NO.

DENOTES SHOP WELD

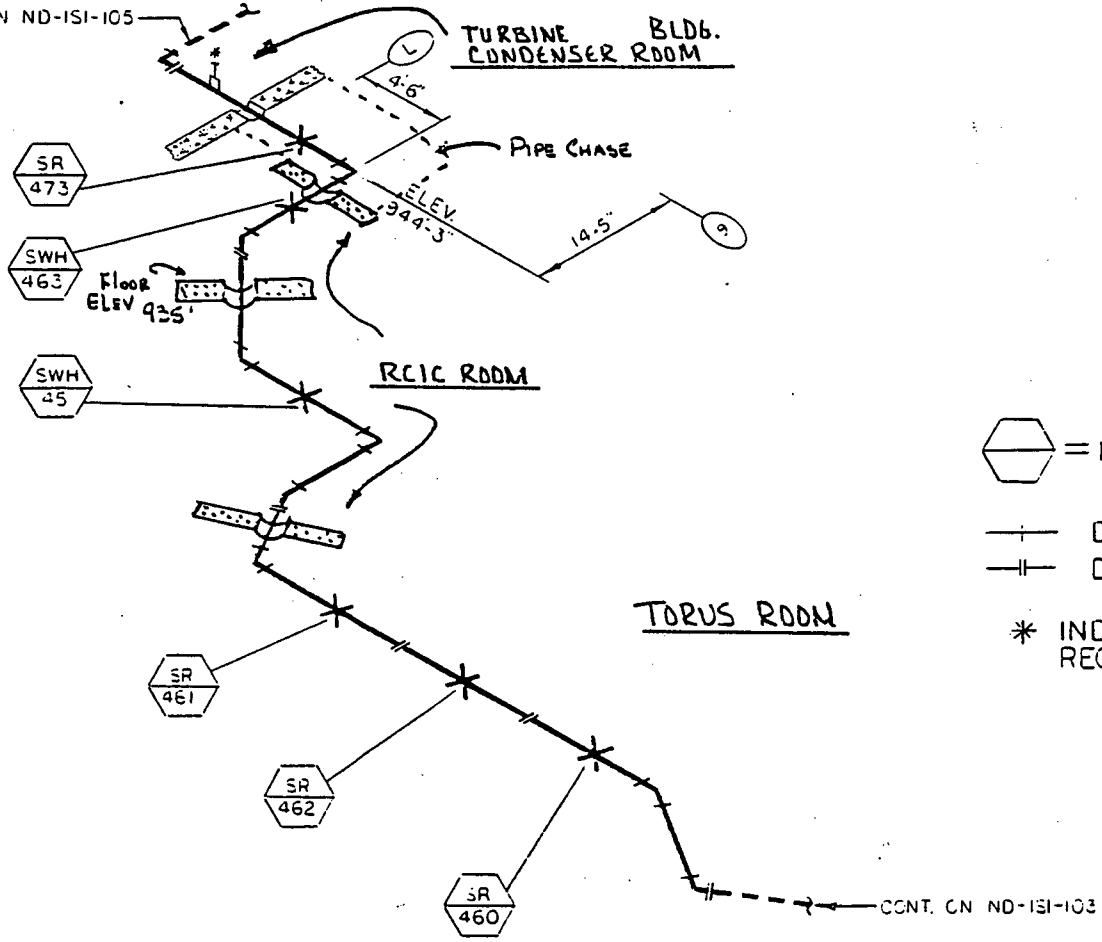
DENOTES FIELD WELD

* INDICATES NO SUPPORTS
REQ'D ON CONTINUATION

SERVICE WATER

REF DWG: B-5452	LINE NO: AS NOTED	DWN: RW	DATE: 11-12-65
MONTICELLO NUCLEAR PLANT			CHK: LD APP: JB
HANGER ISI PROGRAM - CODE CLASS 3			
NORTHERN STATES POWER COMPANY			SCALE N/A
ENGINEERING DEPARTMENT			REV. C
MINNEAPOLIS			ND-ISI-103

CONT ON ND-ISI-105



 = HANGER NO.

 DENOTES SHOP WELD
 DENOTES FIELD WELD

* INDICATES NO SUPPORTS REQD ON CONTINUATION



SERVICE WATER

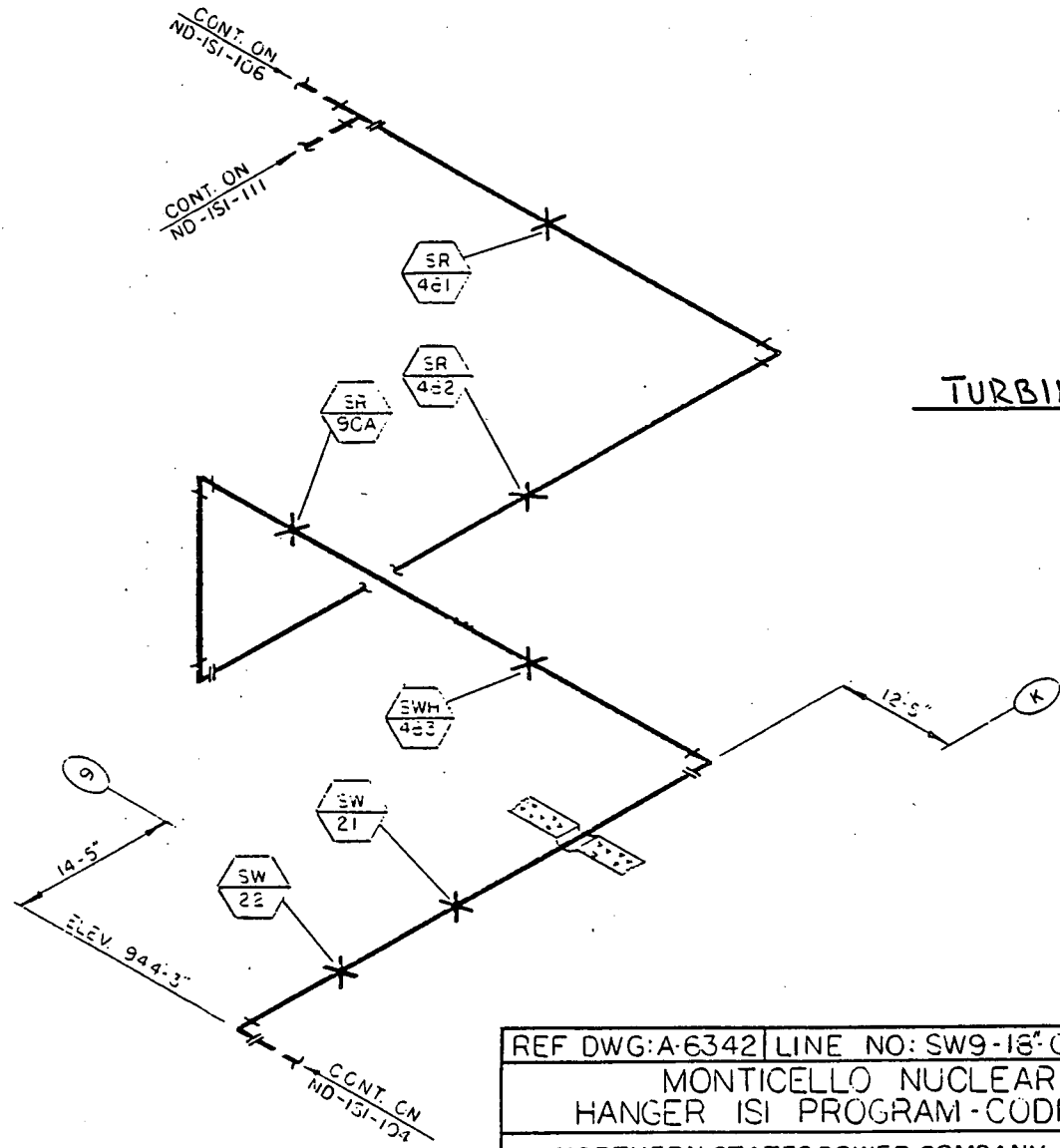
CHK:LD APP:JB

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: RW	DATE: 11-13-55
MONTICELLO NUCLEAR PLANT HANGER ISI PROGRAM-CODE CLASS 3				
NORTHERN STATES POWER COMPANY ENGINEERING DEPARTMENT MINNEAPOLIS			SCALE: N/A	REV: 0
ND-151-105				

CHK LD. APP. J.B.



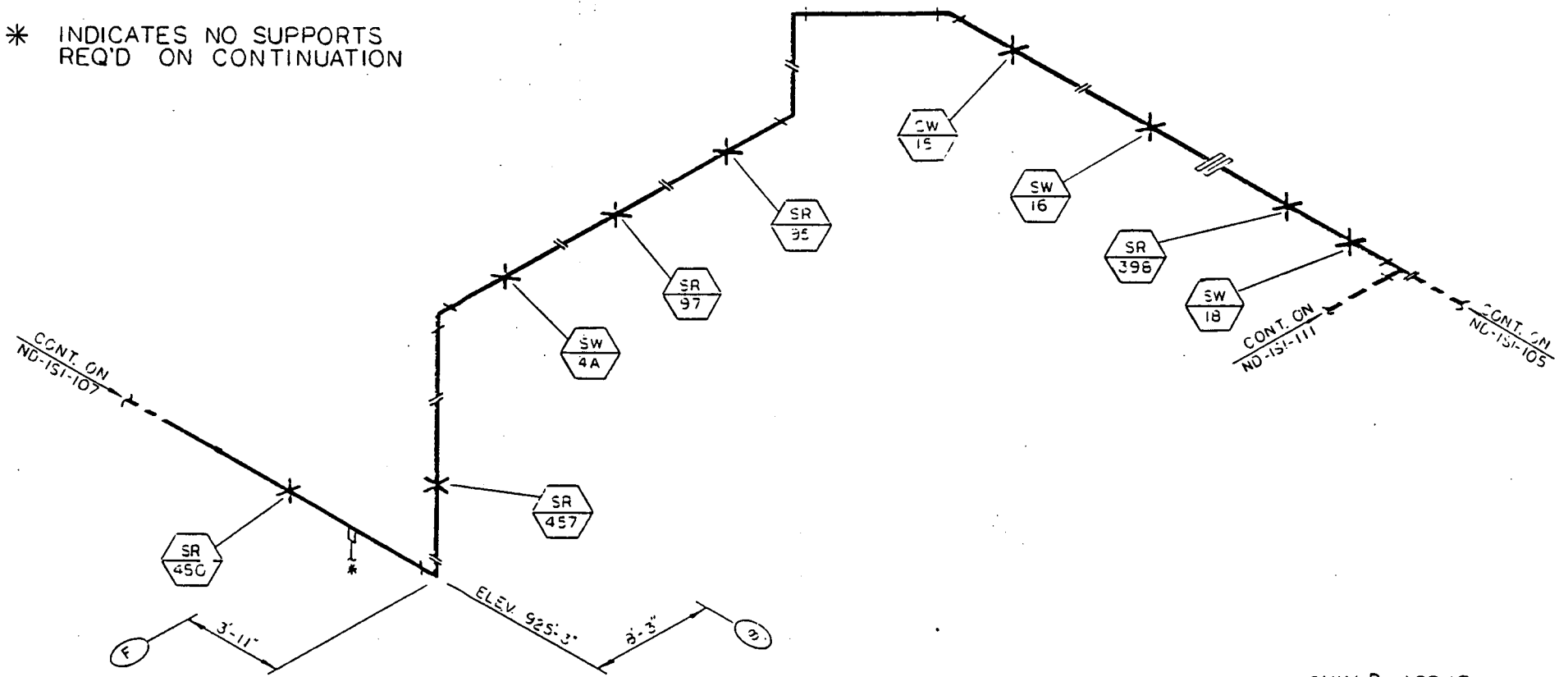
 = HANGER NO.

+ DENOTES SHOP WELD

-| DENOTES FIELD WELD

* INDICATES NO SUPPORTS REQ'D ON CONTINUATION

TURBINE BLDG.



SERVICE WATER

CHK.LD. APP.J.B.

REF DWG: A-6342 | LINE NO: SW9-18^{GF} | DWN: ^{3W} | DATE: 11-14-85




MONTICELLO NUCLEAR PLANT
HANGER ISI PROGRAM - CODE CLASS 3

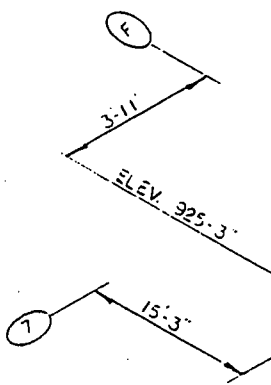
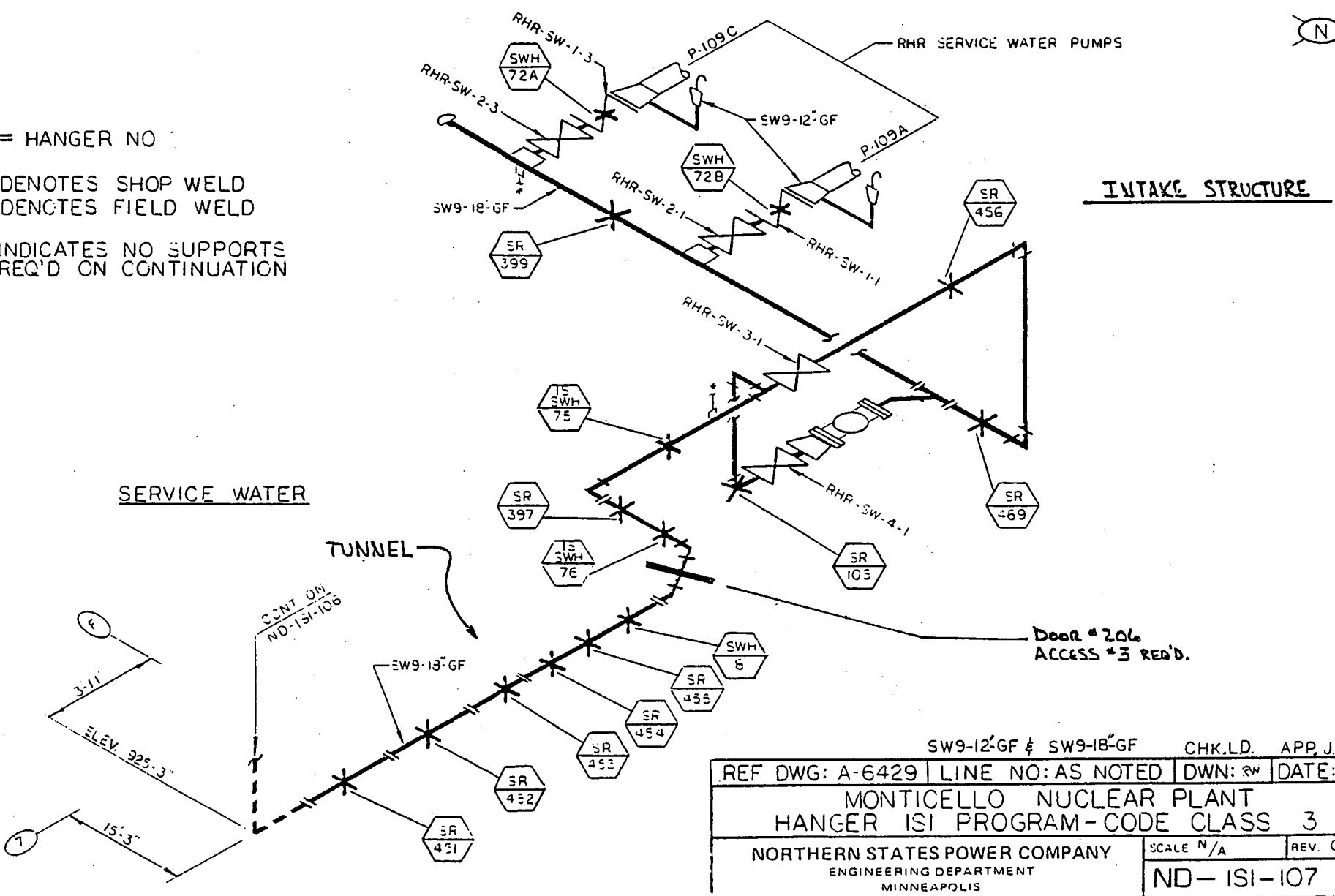
NORTHERN STATES POWER COMPANY
ENGINEERING DEPARTMENT
MINNEAPOLIS

SCALE N/A | REV. 0

ND-151-106



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

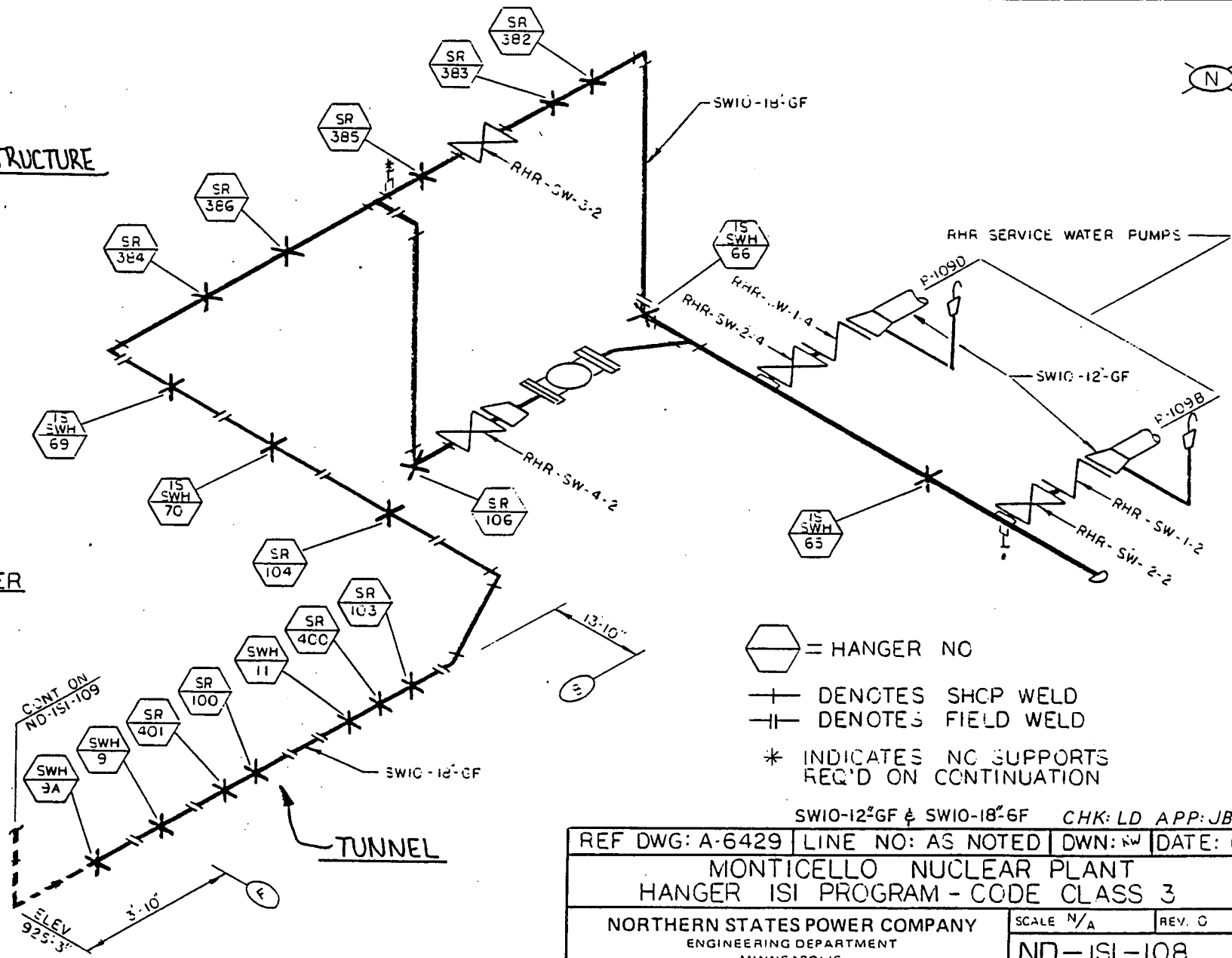


SW9-12-GF & SW9-18-GF		CHK.LD.	APP.J.B.
REF DWG: A-6429	LINE NO: AS NOTED	DWN: RM	DATE: 11-15-85
MONTICELLO NUCLEAR PLANT HANGER ISI PROGRAM-CODE CLASS 3			
NORTHERN STATES POWER COMPANY		SCALE N/A	REV. 0
ENGINEERING DEPARTMENT MINNEAPOLIS		ND-15I-107	



INTAKE STRUCTURE

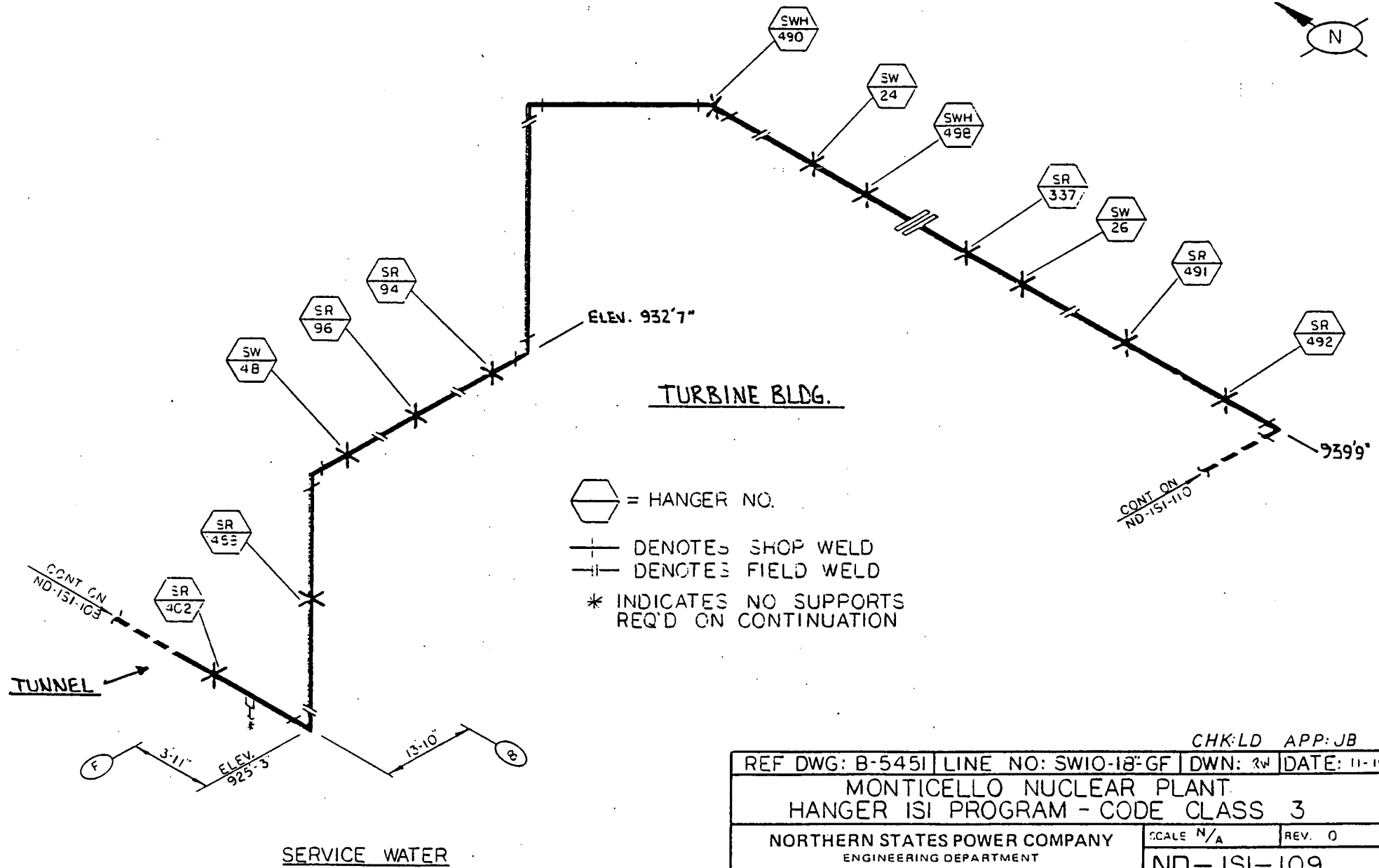
SERVICE WATER






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

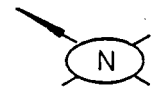
SWIG-12²GF & SWIG-18²GF CHK: LD APP: JB

REF DWG: A-6429	LINE NO: AS NOTED	DWN: NW	DATE: 11-15-83
MONTICELLO NUCLEAR PLANT HANGER ISI PROGRAM - CODE CLASS 3			
NORTHERN STATES POWER COMPANY ENGINEERING DEPARTMENT MINNEAPOLIS		SCALE N/A	REV. 0
ND-151-108			

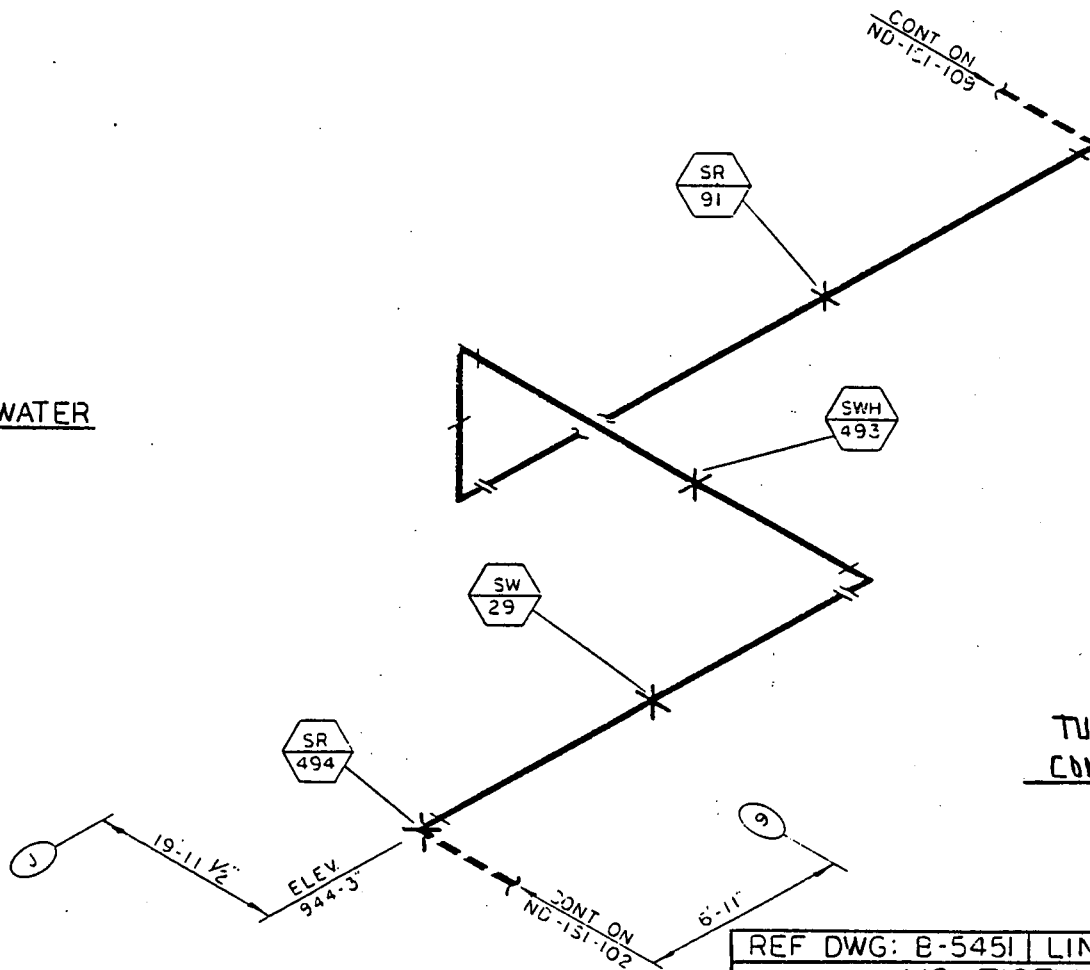



-  = HANGER NO.
-  DENOTES SHOP WELD
-  DENOTES FIELD WELD
- * INDICATES NO SUPPORTS REQ'D ON CONTINUATION

CHK: LD APP: JB	
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	SCALE N/A
ENGINEERING DEPARTMENT MINNEAPOLIS	REV. 0
ND-151-109	



SERVICE WATER



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

TURBINE BLDG.
CONDENSER ROOM

CHK: LD APP: JB

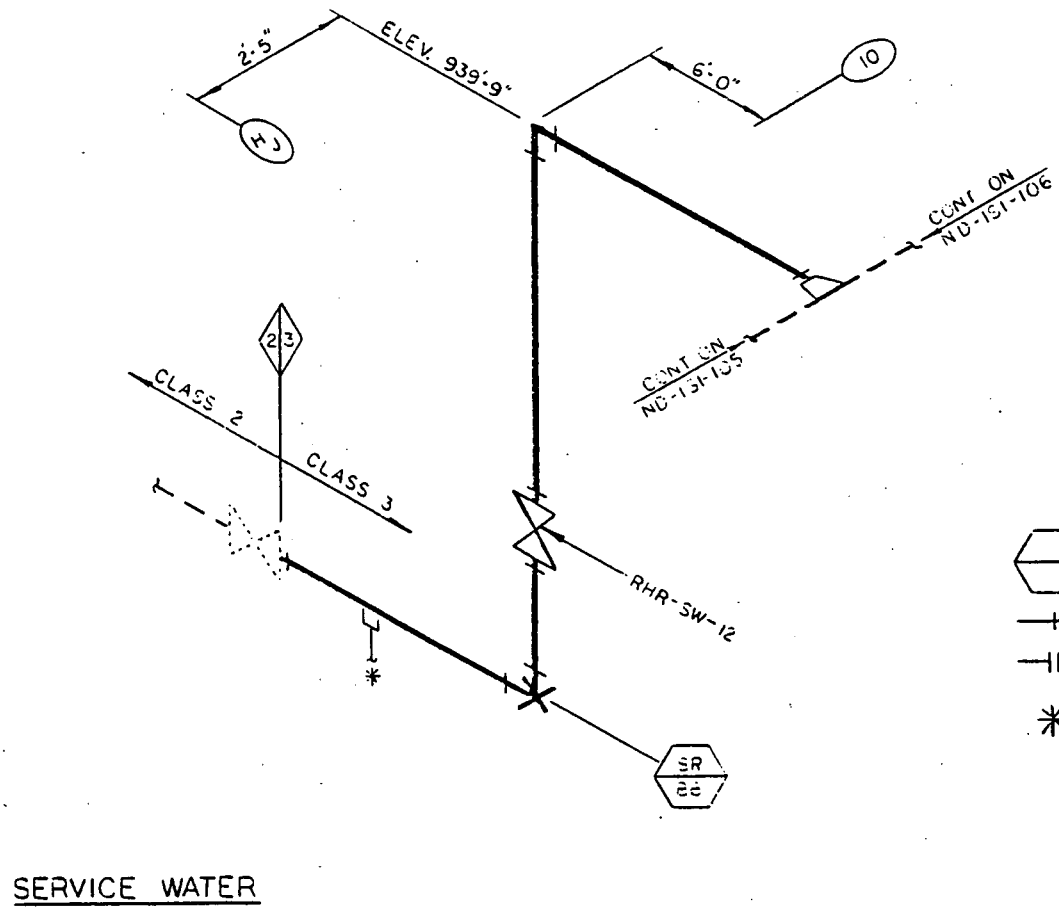
REF DWG: B-5451 | LINE NO: SW10-18" GF | DWN: KW | DATE: 11-19-55

MONTICELLO NUCLEAR PLANT
HANGER ISI PROGRAM CODE CLASS 3

NORTHERN STATES POWER COMPANY
ENGINEERING DEPARTMENT
MINNEAPOLIS

SCALE N/A | REV. 0

ND-151-110

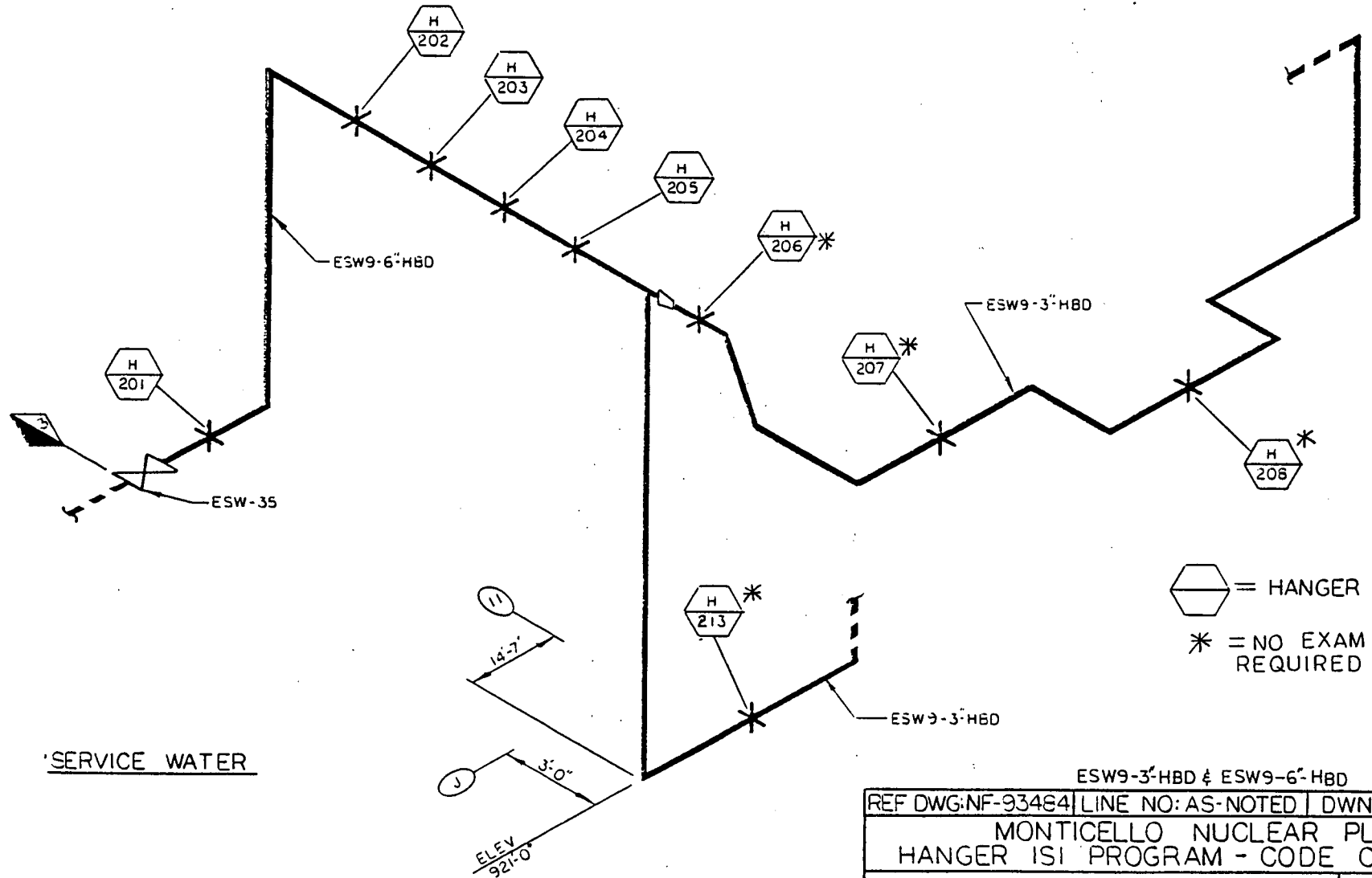
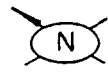


- = HANGER NO.
- DENOTES SHOP WELD
- DENOTES FIELD WELD
- * INDICATES NO SUPPORTS REQ'D ON CONTINUATION


SERVICE WATER

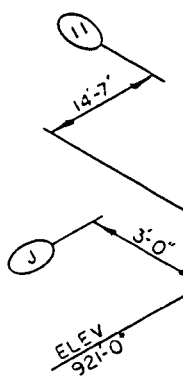
TURBINE BLDG.

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-151-111

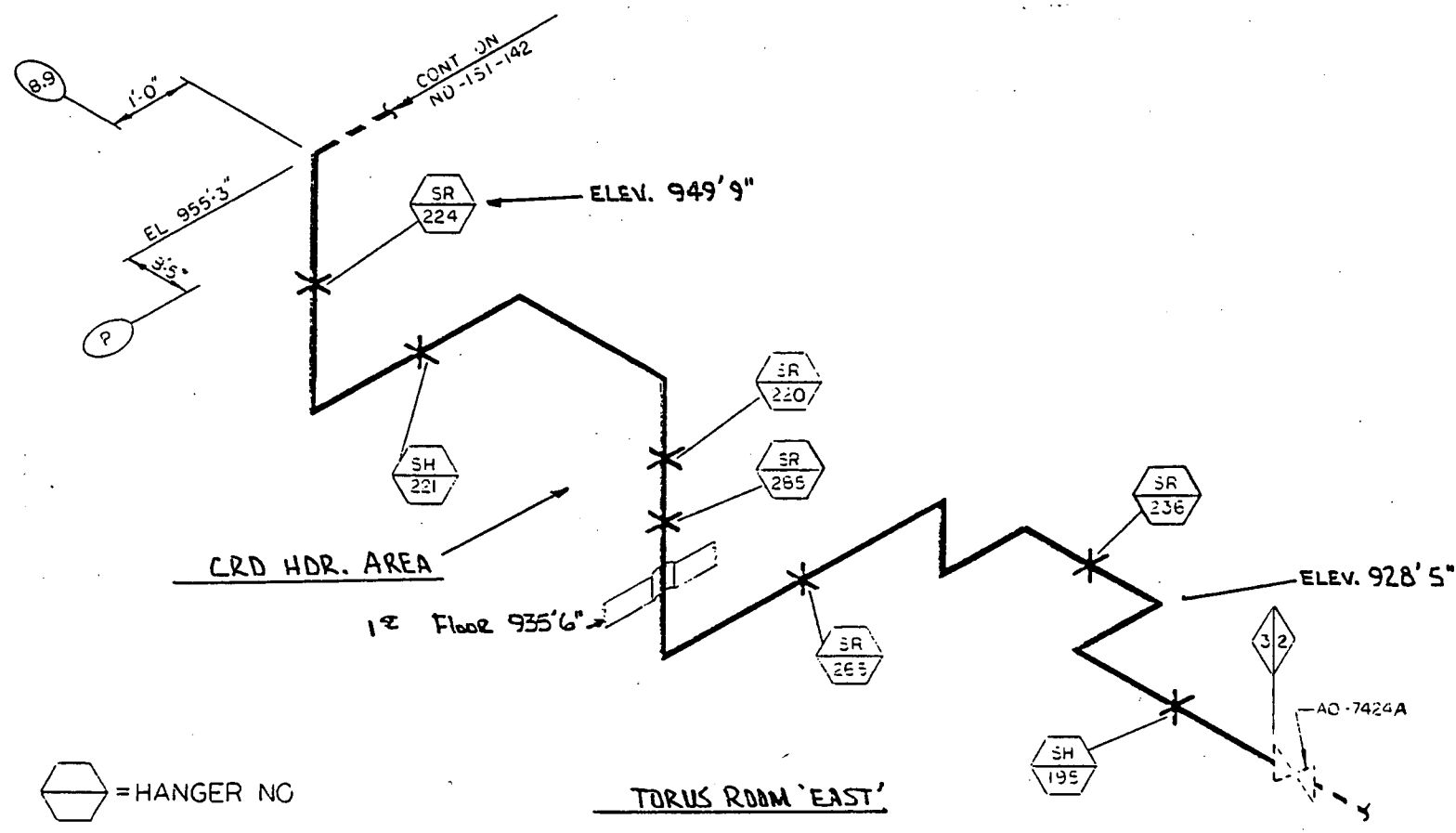


SERVICE WATER

 = HANGER NO.
 * = NO EXAM REQUIRED



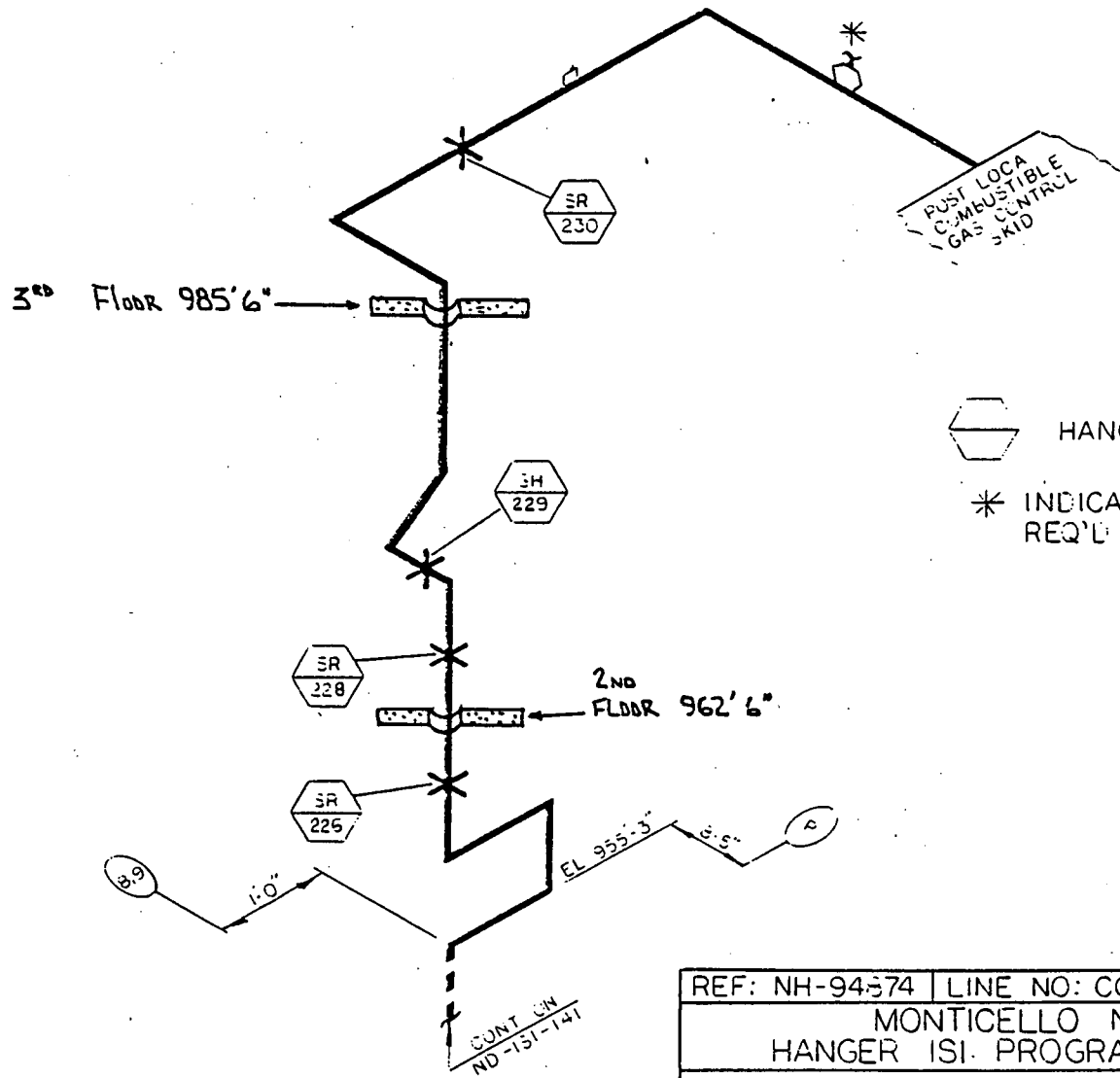
ESW9-3\" HBD & ESW9-6\" HBD			CHK: LD	APP: JB
REF DWG: NF-93484	LINE NO: AS-NOTED	DWN: 2W	DATE: 2-10-86	
MONTICELLO NUCLEAR PLANT HANGER ISI PROGRAM - CODE CLASS 3				
NORTHERN STATES POWER COMPANY ENGINEERING DEPARTMENT MINNEAPOLIS			SCALE: N/A	REV: 0
ND-1SI-123				




COMEUSTIBLE GAS CONTROL

CHK: LD APP: JB

REF: NH-94875	LINE NO: CGC2A-6"CA	DWN: 2:11	DATE: 5-1-76
MONTICELLO NUCLEAR PLANT HANGER ISI PROGRAM - CODE CLASS 3			
NORTHERN STATES POWER COMPANY ENGINEERING DEPARTMENT MINNEAPOLIS		SCALE N/A	REV. 0
ND-151-141			



 HANGER NO
* INDICATES NO SUPPORTS REQ'D ON CONTINUATION

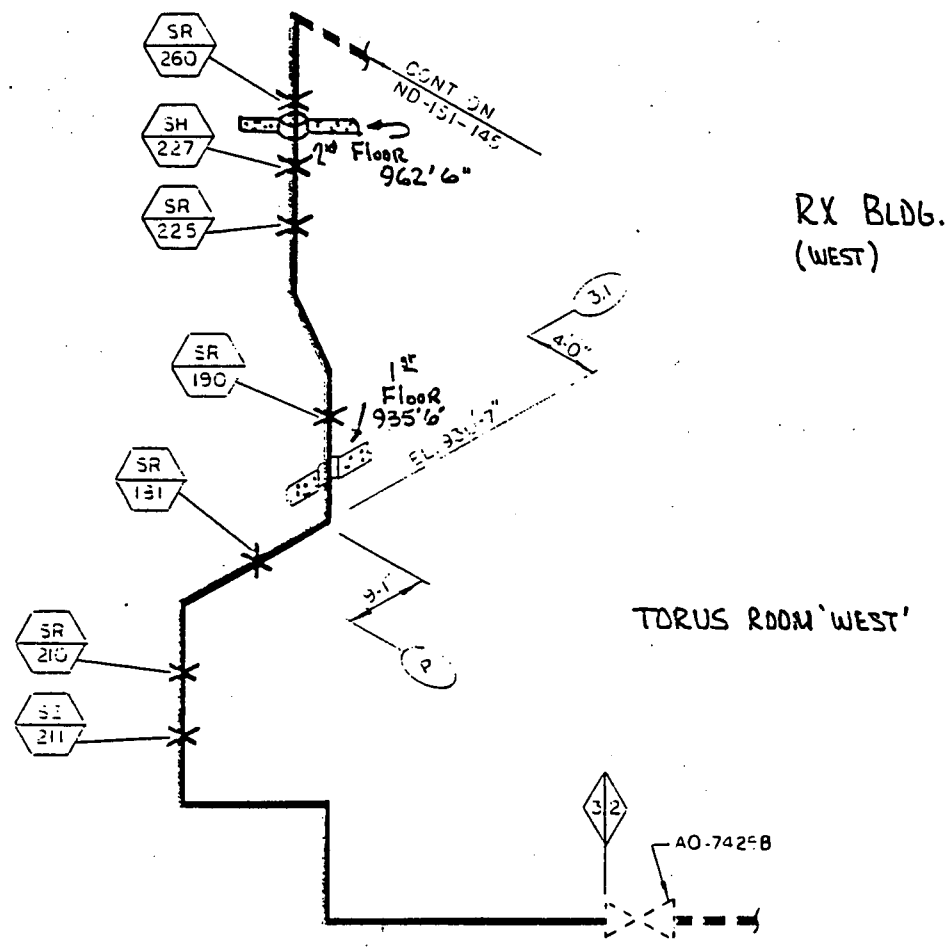
COMBUSTIBLE GAS CONTROL

REF: NH-94-374		LINE NO: CGC2A-6"CA		DWN: RW		DATE: 5-7-96	
MONTICELLO NUCLEAR PLANT				HANGER ISI PROGRAM CODE CLASS 3			
NORTHERN STATES POWER COMPANY				SCALE N/A		REV. 3	
ENGINEERING DEPARTMENT				ND-151-142			
MINNEAPOLIS							

CHK:LD APP:JB



 = HANGER NO.



RX BLDG.
(WEST)

TORUS ROOM 'WEST'

COMBUSTIBLE GAS CONTROL

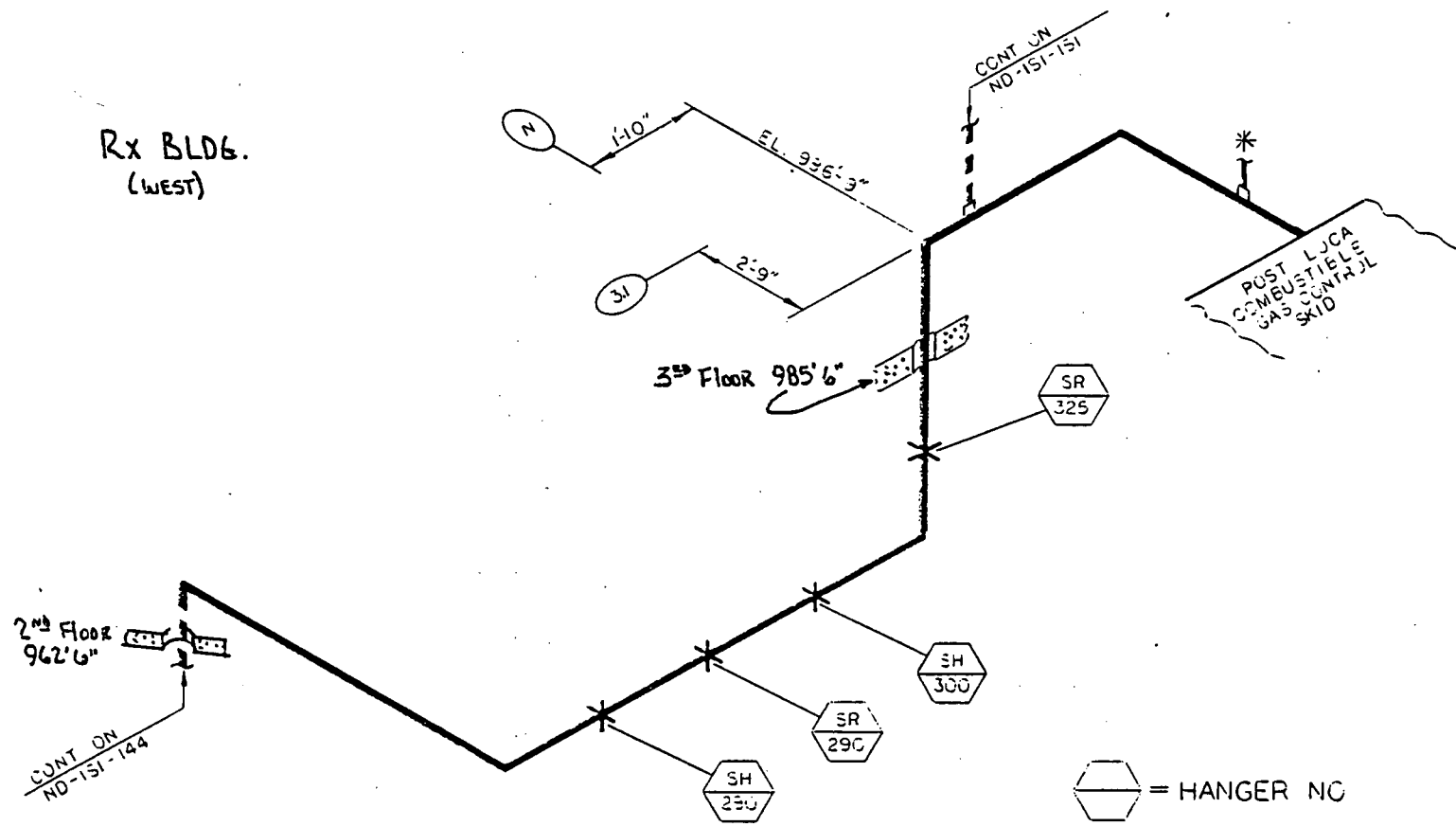
REF: NH-94573		LINE NO: CGC2E-6"CA		DWN: R.V		DATE: 5-2-86	
MONTICELLO NUCLEAR PLANT HANGER ISI PROGRAM CODE CLASS 3							
NORTHERN STATES POWER COMPANY ENGINEERING DEPARTMENT MINNEAPOLIS						SCALE N/A	REV 0
ND-151-144							

CHK:LD APP:JB

AO-742-B



Rx BLDG.
(WEST)



 = HANGER NC

* INDICATES NO SUPPORTS
REQ'D ON CONTINUATION

COMBUSTIBLE GAS CONTROL

REF: NH-94E73	LINE NO: CGC2B-6"-CA	CHK.LD.	APP. JB.
		DWN: RW	DATE: 5-2-86
MONTICELLO NUCLEAR PLANT HANGER ISI PROGRAM - CODE CLASS 3			
NORTHERN STATES POWER COMPANY		SCALE N/A	REV. 0
ENGINEERING DEPARTMENT MINNEAPOLIS		ND-151-145	

Inservice Inspection Plan and Schedule

The following are notes applicable to the following table, entitled "Monticello Nuclear Generating Plant Inservice Inspection Program Plan and Schedule".

General Notes:

1. Components may be rescheduled within the same period. Longitudinal welds are examined with the associated circumferential welds.
2. All applicable hanger and attachment weld examinations will be performed on a given hanger at the same time (i.e. F-A,B,C represents all required exams on one hanger).
3. C x.xx are items exempted from the examination requirements of Table IWC-2500-1, Item C 5.50, but are included in the total population.

Pressure Testing Notes:

- A. The system leakage tests described by Section XI, Items B15.10, B15.40, B15.50, B.15.60 and B.15.70 are performed each refueling outage in accordance with Monticello plant procedure 0255-20-IIC-2. Record information of examination results is maintained by the Plant.
- B. The system hydrostatic tests described by Section XI, Items B15.11, B.15.41, B.15.51, B.15.61 and B.15.71 are performed at, or near, the end of each Interval in accordance with Monticello plant procedure 0255-20-IIA-2. Record information of examination results is maintained by the Plant.
- C. The system functional or inservice tests described by Section XI, Items C7.10, C7.30, C7.50 and C7.70 are performed in accordance with the Monticello plant procedure identified under the Iso and Item columns of the Examination and Schedule table. Record information of examination results is maintained by the Plant.
- D. The system hydrostatic tests described by Section XI, Items C7.20, C7.40, C7.60 and C7.80 are performed at, or near, the end of each Interval in accordance with Monticello plant procedure identified under the Iso and Item columns of the Examination and Schedule table. Record information of examination results is maintained by the Plant.

- E. The system hydrostatic tests described by Section XI, Items D1.10, D2.10 and D3.10 are performed at, or near, the end of each Interval in accordance with Monticello plant procedure identified under the Iso and Item columns of the Examination and Schedule table. Record information of examination results is maintained by the Plant.
- F. The system functional or inservice tests described by Section XI, Items D1.10, D2.10 and D3.10 are performed in accordance with Monticello plant procedure identified under the Iso and Item columns of the Examination and Schedule table. Record information of examination results is maintained by the Plant.

NDE Notes:

- AA. Reactor pressure closure studs, Item B6.30, will be examined when removed.
- BB. Accessible portion of the reactor vessel welds, Items B1.11 and B1.12, will be examined when the adjacent nozzle is examined.
- BB. Continued:

N-4A and adjacent VCBB-4	1996
N-4B and adjacent VCBB-4	1998
N-4C and adjacent VCBB-4	1994
N-4D and adjacent VCBB-4	1999
N-5A and adjacent VLCB-1	2002
N-5B and adjacent VLCB-2	1994
N-2G and adjacent VLAA-2	1998
N-8B and adjacent VLAA-2	2002
N-8A and adjacent VLAA-1	1994
N-1A and adjacent VCBB-1	1994
N-1B and adjacent VCBB-1	2002

- CC. Dissimilar metal weld.
- DD. Encapsulated weld.
- EE. The internal surface visual examination is done during maintenance:
Atwood Morrill Globe Valve - Main Steam: VT-1 of one valve.
- FF. The internal surface visual examination is done during maintenance:
Target Rock Relief Valves - Main Steam: VT-1 of one valve.

- GG. The internal surface visual examination is done during maintenance:
Anchor Check Valves - Feedwater: VT-1 of one valve.
- HH. The internal surface visual examination is done during maintenance:
Anchor Gate Valves - Various Systems: VT-1 of one valve in each size.
- II. The internal surface visual examination is done during maintenance:
Chapman Crane Gate Valves - Recirculation System: VT-1 of one valve.
- JJ. Welds in core spray and containment spray were added at the end of the
second interval per EGG-MS-8969. These same welds are scheduled
near the end of the third interval to allow a suitable amount of service time
between examinations.
- KK. NUREG 0619 Commitments: Monticello visually inspects each feedwater
sparger and ultrasonically inspects two of four feedwater nozzles each
refueling outage through Cycle 18 (1998). If ultrasonic examination
results in unacceptable indications, then an internal surface examination
of the feedwater nozzles shall be performed.
- LL. VT-2 inspection of partial penetration nozzle welds is done remotely.

ISO	System	Item	Item Description	ASME Item Number	Notes (* = Relief Request)	Schedule								
						1993	1994		1996	1998		1999	2002	
0255	SBLC	02-IIA-1	Pressure Test	C 7. 20	D ;								S	
0255	SBLC	02-IIA-2	Pressure Test	C 7. 20	D ;								S	
0255	SBLC	02-IIB-1	Pressure Test	C 7. 10	C ;	I			S					
0255	SBLC	02-IIB-2	Pressure Test	C 7. 10	C ;	I			S					
0255	Core Spray	03-IIA	Pressure Test	C 7. 20	D ;								S	
0255	Core Spray	03-IIB	Pressure Test	C 7. 10	C ;		S			S				
0255	RHR A	04-IIA-1	Pressure Test	C 7. 20	D ;								S	
0255	RHR B	04-IIA-2	Pressure Test	C 7. 20	D ;						S			
0255	RHR SD Cooling	04-IIA-3	Pressure Test	C 7. 20	D ;								S	
0255	RHR A	04-IIB-1	Pressure Test	C 7. 10	C ;		S			S				
0255	RHR C	04-IIB-2	Pressure Test	C 7. 10	C ;		S			S				
0255	RHR SD Cooling	04-IIB-3	Pressure Test	C 7. 10	C ;	I			S				S	
0255	RHR SW A	05-IIA-1	Pressure Test	D 2. 10	E ;								S	
0255	RHR SW B	05-IIA-2	Pressure Test	D 2. 10	E ;								S	
0255	RHR SW Cool A	05-IIA-3	Pressure Test	D 2. 10	E ;								S	
0255	RHR SW Cool B	05-IIA-4	Pressure Test	D 2. 10	E ;								S	
0255	RHR SW A	05-IIB-1	Pressure Test	D 2. 10	F ;	I			S					
0255	RHR SW B	05-IIB-2	Pressure Test	D 2. 10	F ;	I			S					
0255	HPCI	06-IIA	Pressure Test	C 7. 20	D ;								S	
0255	HPCI	06-IIB	Pressure Test	C 7. 10	C ;		S			S				
0255	RCIC	08-IIA	Pressure Test	C 7. 20	D ;								S	
0255	RCIC	08-IIB	Pressure Test	C 7. 10	C ;		S			S				
0255	EDG-ESW A	11-IIA-1	Pressure Test	D 2. 10	E ;								S	
0255	EDG-ESW B	11-IIA-2	Pressure Test	D 2. 10	E ;								S	
0255	ESW A	11-IIA-3	Pressure Test	D 2. 10	E ;								S	
0255	ESW B	11-IIA-4	Pressure Test	D 2. 10	E ;								S	
0255	EDG-ESW A	11-IIB-1	Pressure Test	D 2. 10	F ;	I			S					
0255	EDG-ESW B	11-IIB-2	Pressure Test	D 2. 10	F ;	I			S					
0255	ESW A	11-IIB-3	Pressure Test	D 2. 10	F ;	I			S					
0255	ESW B	11-IIB-4	Pressure Test	D 2. 10	F ;	I			S					
0255	Feedwater A	12-IIA-1	Pressure Test	C 7. 20	D ;								S	
0255	Feedwater B	12-IIA-2	Pressure Test	C 7. 20	D ;								S	
0255	Feedwater A	12-IIB-1	Pressure Test	C 7. 10	C ;	I			S					
0255	Feedwater B	12-IIB-2	Pressure Test	C 7. 10	C ;	I			S					
0255	Drywell Floor Drain	16-IIA-1	Pressure Test	C 7. 20	D ;								S	
0255	Drywell EQT Drain	16-IIA-2	Pressure Test	C 7. 20	D ;								S	
0255	Drywell Floor Drain	16-IIB-1	Pressure Test	C 7. 10	C ;	I			S					
0255	Drywell EQT Drain	16-IIB-2	Pressure Test	C 7. 10	C ;	I			S					
0255	Reactor Coolant	20-IIA-2	Pressure Test	B15. 11	B ;								S	
0255	Reactor Coolant	20-IIC-2	Pressure Test	B15. 10	A ;	I	S		S	S			S	
0255	CGCS A	21-IIA-1	Pressure Test	D 2. 10	E ;D ;								S	
0255	CGCS B	21-IIA-2	Pressure Test	D 2. 10	E ;D ;								S	
0255	CGCS A	21-IIB-1	Pressure Test	D 2. 10	F ;C ;	I			S					
0255	CGCS B	21-IIB-2	Pressure Test	D 2. 10	F ;C ;	I			S					
IS1-13124-17-A	RHR Suction A	W- 2	Valve-to-Reducer	C 5. 51										
IS1-13124-42-A	HPCI Steam	W-26	Elbow-to-Pipe	C 5. 51										
IS1-13142-17-A	RHR Suction A	H- 1	Strut / Clamp	F-A,B,C									S	
IS1-13142-17-A	RHR Suction A	H- 2	Slide / Clamp	F-A,B,C			S							

Third Interval
Summary

Monticello Generating Plant
In Service Inspection Program Plan and Schedule

Reference: ASME Section XI
1986, Edition

ISO	System	Item	Item Description	ASME Item Number	Notes (*=Relief Request)	Schedule								
						1993	1994		1996	1998		1999	2002	
ISI-13142-17-A	RHR Suction A	H- 3	Slide Pipe	F-A,B,C					S					
ISI-13142-17-A	RHR Suction A	H- 4	Strut / Clamp	F-A,B,C		I								
ISI-13142-17-A	RHR Suction A	H- 5	Dbl Spr / Half Clamp	F-A,B,C	C 3. 20				S					
ISI-13142-17-A	RHR Suction A	H- 6	Dbl Spr / Half Clamp	F-A,B,C	C 3. 20				S					
ISI-13142-17-A	RHR Suction A	H- 7	Spring / Clamp	F-A,B,C									S	
ISI-13142-17-A	RHR Suction A	H- 8	Slide	F-A,B,C									S	
ISI-13142-17-A	RHR Suction A	H- 9	Slide	F-A,B,C			S							
ISI-13142-17-A	RHR Suction A	W- 1	Pipe-to-Valve	C 5. 51										
ISI-13142-17-A	RHR Suction A	W- 3	Reducer-to-Tee	C 5. 51								S		
ISI-13142-17-A	RHR Suction A	W- 4	Tee-to-Pipe	C 5. 51										
ISI-13142-17-A	RHR Suction A	W- 5	Pipe-to-Weldolet	C 5. 81			S							
ISI-13142-17-A	RHR Suction A	W- 6	Pipe-to-Weldolet	C 5. 81										
ISI-13142-17-A	RHR Suction A	W- 7	Pipe-to-Weldolet	C 5. 81										
ISI-13142-17-A	RHR Suction A	W- 8	Pipe-to-Cap	C 5. 51										
ISI-13142-17-A	RHR Suction A	W- 9	Weldolet-to-Pipe	C 5. 51										
ISI-13142-17-A	RHR Suction A	W-10	Pipe-to-Pipe	C 5. 51										
ISI-13142-17-A	RHR Suction A	W-11	Pipe-to-Pipe	C 5. 51										
ISI-13142-17-A	RHR Suction A	W-12	Pipe-to-Valve	C 5. 51				S						
ISI-13142-17-A	RHR Suction A	W-13	Valve-to-Elbow	C 5. 51										
ISI-13142-17-A	RHR Suction A	W-14	Elbow-to-Elbow	C 5. 51			S							
ISI-13142-17-A	RHR Suction A	W-15	Elbow-to-Pump	C 5. 51										
ISI-13142-17-A	RHR Suction A	W-16	Weldolet-to-Pipe	C 5. 51										
ISI-13142-17-A	RHR Suction A	W-17	Pipe-to-Pipe	C 5. 51										
ISI-13142-17-A	RHR Suction A	W-18	Pipe-to-Pipe	C 5. 51										
ISI-13142-17-A	RHR Suction A	W-19	Pipe-to-Valve	C 5. 51										
ISI-13142-17-A	RHR Suction A	W-20	Valve-to-Elbow	C 5. 51										
ISI-13142-17-A	RHR Suction A	W-21	Elbow-to-Elbow	C 5. 51										
ISI-13142-17-A	RHR Suction A	W-22	Elbow-to-Pump	C 5. 51										
ISI-13142-17-A	RHR Suction A	W-23	Tee-to-Pipe	C 5. 51										
ISI-13142-17-A	RHR Suction A	W-24	Pipe-to-Elbow	C 5. 51										
ISI-13142-17-A	RHR Suction A	W-25	Elbow-to-Pipe	C 5. 51										
ISI-13142-17-A	RHR Suction A	W-26	Pipe-to-Elbow	C 5. 51										
ISI-13142-17-A	RHR Suction A	W-27	Elbow-to-Pipe	C 5. 51										
ISI-13142-17-A	RHR Suction A	W-28	Pipe-to-Elbow	C 5. 51										
ISI-13142-17-A	RHR Suction A	W-29	Elbow-to-Pipe	C 5. 51										
ISI-13142-17-A	RHR Suction A	W-30	Pipe-to-Valve	C 5. 51										
ISI-13142-17-A	RHR Suction A	W-31	Valve-to-Weldolet	C 5. 51										
ISI-13142-17-A	RHR Suction A	W-32	Valve-to-Tee	C 5. 51										
ISI-13142-17-B	HPCI Water Side Sctn	H- 1	Rod Clevis Hanger	F-A,B,C				S						
ISI-13142-17-B	HPCI Water Side Sctn	H- 2	Dbl Spring / Clamp	F-A,B,C				S						
ISI-13142-17-B	HPCI Water Side Sctn	H- 3	Restraint	F-A,B,C								S		
ISI-13142-17-B	HPCI Water Side Sctn	H- 4	Restraint	F-A,B,C								S		
ISI-13142-17-B	HPCI Water Side Sctn	W- 1	Tee-to-Pipe	C 5. 51										
ISI-13142-17-B	HPCI Water Side Sctn	W- 2	Pipe-to-Elbow	C 5. 51										
ISI-13142-17-B	HPCI Water Side Sctn	W- 3	Elbow-to-Pipe	C 5. 51										
ISI-13142-17-B	HPCI Water Side Sctn	W- 4	Pipe-to-Valve	C 5. 51										
ISI-13142-17-B	HPCI Water Side Sctn	W- 5	Valve-to-Pipe	C 5. 51										
ISI-13142-17-B	HPCI Water Side Sctn	W- 6	Pipe-to-Elbow	C 5. 51										

ISO	System	Item	Item Description	ASME Item Number	Notes (* = Relief Request)	Schedule								
						1993	1994		1996	1998		1999	2002	
ISI-13142-17-B	HPCI Water Side Sctn	W- 7	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-17-B	HPCI Water Side Sctn	W- 8	Pipe-to-Elbow	C 5. 51	.....	.....	.....	S	.....	.....	.....	.....	.....	.....
ISI-13142-17-B	HPCI Water Side Sctn	W- 9	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-17-B	HPCI Water Side Sctn	W-10	Pipe-to-Valve	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-17-B	HPCI Water Side Sctn	W-11	Valve-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-17-B	HPCI Water Side Sctn	W-12	Pipe-to-Valve	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-17-B	HPCI Water Side Sctn	W-13	Valve-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-17-B	HPCI Water Side Sctn	W-14	Pipe-to-Tee	C 5. 51	.....	.....	.....	.....	.....	.....	S	.....	.....	.....
ISI-13142-17-B	HPCI Water Side Sctn	W-15	Valve-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-17-B	HPCI Water Side Sctn	W-16	Pipe-to-Valve	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-17-B	HPCI Water Side Sctn	W-17	Valve-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-17-B	HPCI Water Side Sctn	W-18	Elbow-to-Tee	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-17-B	HPCI Water Side Sctn	W-19	Tee-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-17-B	HPCI Water Side Sctn	W-20	Elbow-to-Valve	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-17-B	HPCI Water Side Sctn	W-21	Valve-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-17-B	HPCI Water Side Sctn	W-22	Pipe-to-Flange	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-17-B	HPCI Water Side Sctn	W-23	Flange-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-17-B	HPCI Water Side Sctn	W-24	Pipe-to-Flange	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-17-B	HPCI Water Side Sctn	W-25	Flange-to-Reducer	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-17-B	HPCI Water Side Sctn	W-26	Reducer-to-Pump	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-17-C	RHR Suction B	H- 1	Spring / Clamp	F-A,B,C	.....	.....	.....	S	.....	.....	.....	.....	.....	.....
ISI-13142-17-C	RHR Suction B	H- 2	Slide	F-A,B,C	.....	.....	.....	S	.....	.....	.....	.....	.....	.....
ISI-13142-17-C	RHR Suction B	H- 3	Slide	F-A,B,C	.....	.....	.....	S	.....	.....	.....	.....	.....	.....
ISI-13142-17-C	RHR Suction B	H- 4	Slide	F-A,B,C	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-17-C	RHR Suction B	H- 5	Strut / Clamp	F-A,B,C	.....	.....	S	.....	.....	.....	.....	.....	.....	.....
ISI-13142-17-C	RHR Suction B	H- 6	Dbl Spr / Half Clamp	F-A,B,C	C 3. 20	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-13142-17-C	RHR Suction B	H- 7	Dbl Spring / Clamp	F-A,B,C	.....	I	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-17-C	RHR Suction B	H- 8	Dbl Spr / Half Clamp	F-A,B,C	C 3. 20	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-13142-17-C	RHR Suction B	H- 9	Dbl Strut / 8 Lugs	F-A,B,C	C 3. 20	.....	S	.....	.....	.....	.....	.....	.....	.....
ISI-13142-17-C	RHR Suction B	W- 1	Tee-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-17-C	RHR Suction B	W- 2	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-17-C	RHR Suction B	W- 3	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-13142-17-C	RHR Suction B	W- 4	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-17-C	RHR Suction B	W- 5	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-17-C	RHR Suction B	W- 6	Pipe-to-Elbow	C 5. 51	.....	.....	.....	S	.....	.....	.....	.....	.....	.....
ISI-13142-17-C	RHR Suction B	W- 7	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-17-C	RHR Suction B	W- 8	Pipe-to-Valve	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-17-C	RHR Suction B	W- 9	Valve-to-Weldolet	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-17-C	RHR Suction B	W-10	Weldolet-to-Pipe	C 5. 81	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-17-C	RHR Suction B	W-11	Valve-to-Reducer	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-17-C	RHR Suction B	W-12	Reducer-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-17-C	RHR Suction B	W-13	Pipe-to-Weldolet	C 5. 81	.....	.....	.....	S	.....	.....	.....	.....	.....	.....
ISI-13142-17-C	RHR Suction B	W-14	Weldolet-to-Valve	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-17-C	RHR Suction B	W-15	Valve-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-17-C	RHR Suction B	W-16	Pipe-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-17-C	RHR Suction B	W-17	Pipe-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-17-C	RHR Suction B	W-18	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-17-C	RHR Suction B	W-19	Elbow-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Third Interval
Summary

Monticello Generating Plant
In Service Inspection Program Plan and Schedule

Reference: ASME Section XI
1986, Edition

ISO	System	Item	Item Description	ASME Item Number	Notes (*=Relief Request)	Schedule								
						1993	1994		1996	1998		1999	2002	
ISI-13142-17-C	RHR Suction B	W-20	Elbow-to-Pump	C 5. 51								S		
ISI-13142-17-C	RHR Suction B	W-21	Pipe-to-Weldolet	C 5. 81										
ISI-13142-17-C	RHR Suction B	W-22	Weldolet-to-Valve	C 5. 51										
ISI-13142-17-C	RHR Suction B	W-23	Valve-to-Pipe	C 5. 51										
ISI-13142-17-C	RHR Suction B	W-24	Pipe-to-Pipe	C 5. 51										
ISI-13142-17-C	RHR Suction B	W-25	Pipe-to-Pipe	C 5. 51										
ISI-13142-17-C	RHR Suction B	W-26	Pipe-to-Elbow	C 5. 51										
ISI-13142-17-C	RHR Suction B	W-27	Elbow-to-Elbow	C 5. 51										
ISI-13142-17-C	RHR Suction B	W-28	Elbow-to-Pump	C 5. 51										
ISI-13142-17-C	RHR Suction B	W-29	Valve-to-Pipe	C 5. 51										
ISI-13142-17-C	RHR Suction B	W-30	Pipe-to-Elbow	C 5. 51										
ISI-13142-17-C	RHR Suction B	W-31	Elbow-to-Pipe	C 5. 51								S		
ISI-13142-18-A	RHR Discharge B	H- 1	Spring / Clamp	F-A,B,C					S					
ISI-13142-18-A	RHR Discharge B	H- 2	Box Restraint	F-A,B,C								S		
ISI-13142-18-A	RHR Discharge B	H- 3	Spring-to-Clamp	F-A,B,C								S		
ISI-13142-18-A	RHR Discharge B	H- 4	Box Restraint	F-A,B,C								S		
ISI-13142-18-A	RHR Discharge B	H- 5	Dbl Spr/U-Blt/Saddle	F-A,B,C		I								
ISI-13142-18-A	RHR Discharge B	H- 6	Dbl Spr/U-Blt/Saddle	F-A,B,C				S						
ISI-13142-18-A	RHR Discharge B	H- 7	Strut / Clamp	F-A,B,C				S						
ISI-13142-18-A	RHR Discharge B	H- 8	Dbl Spr/U-Blt/Saddle	F-A,B,C		I								
ISI-13142-18-A	RHR Discharge B	H- 9	Seismic Restraint	F-A,B,C					S					
ISI-13142-18-A	RHR Discharge B	H-10	Spring/Clamp/Slide	F-A,B,C					S					
ISI-13142-18-A	RHR Discharge B	H-11	Dbl Spring / 4 Lugs	F-A,B,C	C 3. 20									
ISI-13142-18-A	RHR Discharge B	W- 1	Tee-to-Pipe	C 5. 51			S							
ISI-13142-18-A	RHR Discharge B	W- 2	Pipe-to-Elbow	C 5. 51										
ISI-13142-18-A	RHR Discharge B	W- 3	Elbow-to-Reducer	C 5. 52										
ISI-13142-18-A	RHR Discharge B	W- 4	Tee-to-Pipe	C 5. 51										
ISI-13142-18-A	RHR Discharge B	W- 5	Pipe-to-Elbow	C 5. 51										
ISI-13142-18-A	RHR Discharge B	W- 6	Elbow-to-Pipe	C 5. 51										
ISI-13142-18-A	RHR Discharge B	W- 7	Pipe-to-Elbow	C 5. 51										
ISI-13142-18-A	RHR Discharge B	W- 8	Elbow-to-Pipe	C 5. 51										
ISI-13142-18-A	RHR Discharge B	W- 9	Pipe-to-Elbow	C 5. 51										
ISI-13142-18-A	RHR Discharge B	W-10	Elbow-to-Pipe	C 5. 51				S						
ISI-13142-18-A	RHR Discharge B	W-11	Pipe-to-Pipe	C 5. 51										
ISI-13142-18-A	RHR Discharge B	W-12	Pipe-to-Pipe	C 5. 51										
ISI-13142-18-A	RHR Discharge B	W-13	Pipe-to-Tee	C 5. 51										
ISI-13142-18-A	RHR Discharge B	W-14	Tee-to-Pipe	C 5. 51			S							
ISI-13142-18-A	RHR Discharge B	W-15	Pipe-to-Pipe	C 5. 51										
ISI-13142-18-A	RHR Discharge B	W-16	Pipe-to-Valve	C 5. 51										
ISI-13142-18-A	RHR Discharge B	W-17	Valve-to-Elbow	C 5. 51										
ISI-13142-18-A	RHR Discharge B	W-18	Elbow-to-Valve	C 5. 51										
ISI-13142-18-A	RHR Discharge B	W-19	Tee-to-Elbow	C 5. 51				S						
ISI-13142-18-A	RHR Discharge B	W-20	Elbow-to-Reducer	C 5. 51										
ISI-13142-18-A	RHR Discharge B	W-21	Reducer-to-Pipe	C 5. 51										
ISI-13142-18-A	RHR Discharge B	W-22	Pipe-to-Elbow	C 5. 51			S							
ISI-13142-18-A	RHR Discharge B	W-23	Elbow-to-Valve	C 5. 51										
ISI-13142-18-A	RHR Discharge B	W-24	Valve-to-Pipe	C 5. 51										
ISI-13142-18-A	RHR Discharge B	W-25	Pipe-to-Weldolet	C 5. 81										

ISO	System	Item	Item Description	ASME Item Number	Notes (*=Relief Request)	Schedule								
						1993	1994		1996	1998		1999	2002	
ISI-13142-18-A	RHR Discharge B	W-26	Pipe-to-Valve	C 5. 51	.....								
ISI-13142-18-B	RHR Discharge B	H- 1	Variable Slide	F-A,B,C	.....								S	.....
ISI-13142-18-B	RHR Discharge B	H- 2	Variable Clamp	F-A,B,C	.....		S							.....
ISI-13142-18-B	RHR Discharge B	H- 3	Strut / Clamp	F-A,B,C	.....					S				.....
ISI-13142-18-B	RHR Discharge B	H- 4	Spring / Clamp	F-A,B,C	.....					S				.....
ISI-13142-18-B	RHR Discharge B	W- 1	Pump-to-Elbow	C 5. 51	.....								S	.....
ISI-13142-18-B	RHR Discharge B	W- 2	Elbow-to-Reducer	C 5. 51	.....									.....
ISI-13142-18-B	RHR Discharge B	W- 3	Reducer-to-Valve	C X. XX	.....									.....
ISI-13142-18-B	RHR Discharge B	W- 4	Valve-to-Pipe	C X. XX	.....									.....
ISI-13142-18-B	RHR Discharge B	W- 5	Pipe-to-Valve	C X. XX	.....									.....
ISI-13142-18-B	RHR Discharge B	W- 6	Valve-to-Elbow	C X. XX	.....									.....
ISI-13142-18-B	RHR Discharge B	W- 7	Elbow-to-Elbow	C X. XX	.....									.....
ISI-13142-18-B	RHR Discharge B	W- 8	Elbow-to-Pipe	C X. XX	.....									.....
ISI-13142-18-B	RHR Discharge B	W- 9	Pipe-to-Tee	C X. XX	.....									.....
ISI-13142-18-B	RHR Discharge B	W-10	Pump-to-Elbow	C 5. 51	.....									.....
ISI-13142-18-B	RHR Discharge B	W-11	Elbow-to-Reducer	C 5. 51	.....									.....
ISI-13142-18-B	RHR Discharge B	W-12	Reducer-to-Valve	C X. XX	.....									.....
ISI-13142-18-B	RHR Discharge B	W-13	Valve-to-Pipe	C X. XX	.....									.....
ISI-13142-18-B	RHR Discharge B	W-14	Pipe-to-Valve	C X. XX	.....									.....
ISI-13142-18-B	RHR Discharge B	W-15	Valve-to-Elbow	C X. XX	.....									.....
ISI-13142-18-B	RHR Discharge B	W-16	Elbow-to-Elbow	C X. XX	.....									.....
ISI-13142-18-B	RHR Discharge B	W-17	Pipe-to-Pipe	C X. XX	.....									.....
ISI-13142-18-B	RHR Discharge B	W-18	Pipe-to-Tee	C X. XX	.....									.....
ISI-13142-18-B	RHR Discharge B	W-19	Elbow-to-Reducer	C X. XX	.....									.....
ISI-13142-18-B	RHR Discharge B	W-20	Reducer-to-Pipe	C 5. 51	.....									.....
ISI-13142-18-B	RHR Discharge B	W-21	Pipe-to-Tee	C 5. 51	.....									.....
ISI-13142-18-B	RHR Discharge B	W-22	Tee-to-Pipe	C 5. 51	.....									.....
ISI-13142-18-B	RHR Discharge B	W-23	Pipe-to-Tee	C 5. 51	.....									.....
ISI-13142-18-B	RHR Discharge B	W-24	Tee-to-Pipe	C 5. 51	.....									.....
ISI-13142-18-B	RHR Discharge B	W-25	Pipe-to-Elbow	C 5. 51	.....									.....
ISI-13142-18-B	RHR Discharge B	W-26	Elbow-to-Valve	C 5. 51	.....									.....
ISI-13142-18-B	RHR Discharge B	W-27	Valve-to-Reducer	C 5. 51	.....									.....
ISI-13142-18-B	RHR Discharge B	W-28	Reducer-to-Nozzle	C 5. 51	.....									.....
ISI-13142-18-B	RHR Discharge B	W-29	Tee-to-Pipe	C 5. 51	.....									.....
ISI-13142-18-B	RHR Discharge B	W-30	Pipe-to-Elbow	C 5. 51	.....									.....
ISI-13142-18-B	RHR Discharge B	W-31	Elbow-to-Valve	C 5. 51	.....									.....
ISI-13142-18-B	RHR Discharge B	W-32	Valve-to-Pipe	C 5. 51	.....									.....
ISI-13142-18-B	RHR Discharge B	W-33	Pipe-to-Tee	C 5. 51	.....									.....
ISI-13142-18-C	RHR Discharge B	H- 1	Strut / Clamp	F-A,B,C	.....		S							.....
ISI-13142-18-C	RHR Discharge B	H- 2	Spring / Clamp	F-A,B,C	.....								S	.....
ISI-13142-18-C	RHR Discharge B	H- 3	Spring / Clamp	F-A,B,C	.....								S	.....
ISI-13142-18-C	RHR Discharge B	W- 1	Nozzle-to-Elbow	C 5. 51	.....								S	.....
ISI-13142-18-C	RHR Discharge B	W- 2	Elbow-to-Pipe	C 5. 51	.....									.....
ISI-13142-18-C	RHR Discharge B	W- 3	Pipe-to-Elbow	C 5. 51	.....									.....
ISI-13142-18-C	RHR Discharge B	W- 4	Elbow-to-Pipe	C 5. 51	.....									.....
ISI-13142-18-C	RHR Discharge B	W- 5	Pipe-to-Elbow	C 5. 51	.....								S	.....
ISI-13142-18-C	RHR Discharge B	W- 6	Elbow-to-Pipe	C 5. 51	.....								S	.....
ISI-13142-18-C	RHR Discharge B	W- 7	Pipe-to-Valve	C 5. 51	.....									.....

ISO	System	Item	Item Description	ASME Item Number	Notes (* = Relief Request)	Schedule							
						1993	1994		1996	1998		1999	2002
ISI-13142-18-C	RHR Discharge B	W- 8	Valve-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-18-C	RHR Discharge B	W- 9	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-18-C	RHR Discharge B	W-10	Pipe-to-Tee	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-18-C	RHR Discharge B	W-11	Tee-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-18-C	RHR Discharge B	W-12	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-18-C	RHR Discharge B	W-13	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-18-C	RHR Discharge B	W-14	Pipe-to-Tee	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-A	HPCI Steam Disch	H- 1	Snubber / Clamp	F-A,B,C	.....	.....	S	.....	.....	.....	.....	.....	.....
ISI-13142-19-A	HPCI Steam Disch	H- 2	Dbl Snubber / Clamp	F-A,B,C	.....	.....	S	.....	.....	.....	.....	.....	.....
ISI-13142-19-A	HPCI Steam Disch	H- 3	Dbl Spring / 4 Lugs	F-A,B,C	C 3. 30	.....	.....	S	.....	.....	.....	.....	.....
ISI-13142-19-A	HPCI Steam Disch	H- 4	Strut / Clamp	F-A,B,C	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-13142-19-A	HPCI Steam Disch	H- 5	Spring / Clamp	F-A,B,C	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-13142-19-A	HPCI Steam Disch	H- 6	Strut / Clamp	F-A,B,C	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-13142-19-A	HPCI Steam Disch	H- 7	Dbl Spring / 4 Lugs	F-A,B,C	C 3. 20	.....	.....	.....	.....	.....	S	.....	.....
ISI-13142-19-A	HPCI Steam Disch	H- 8	Strut / Clamp	F-A,B,C	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-13142-19-A	HPCI Steam Disch	H- 9	Strut / Clamp	F-A,B,C	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-13142-19-A	HPCI Steam Disch	W- 1	Cap-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-A	HPCI Steam Disch	W- 2	Tee-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-A	HPCI Steam Disch	W- 3	Flange-to-Tee	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-A	HPCI Steam Disch	W- 4	Tee-to-Reducer	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-A	HPCI Steam Disch	W- 5	Reducer-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-A	HPCI Steam Disch	W- 6	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-A	HPCI Steam Disch	W- 7	Pipe-to-Elbow	C 5. 51	.....	.....	S	.....	.....	.....	.....	.....	.....
ISI-13142-19-A	HPCI Steam Disch	W- 8	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-A	HPCI Steam Disch	W- 9	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-A	HPCI Steam Disch	W-10	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-A	HPCI Steam Disch	W-11	Pipe-to-Tee	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-A	HPCI Steam Disch	W-12	Tee-to-Flange	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-A	HPCI Steam Disch	W-13	Flange-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-A	HPCI Steam Disch	W-14	Pipe-to-Flange	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-A	HPCI Steam Disch	W-15	Tee-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-A	HPCI Steam Disch	W-16	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-A	HPCI Steam Disch	W-17	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-A	HPCI Steam Disch	W-18	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-A	HPCI Steam Disch	W-19	Elbow-to-Valve	C 5. 51	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-13142-19-A	HPCI Steam Disch	W-20	Valve-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-A	HPCI Steam Disch	W-21	Pipe-to-Valve	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-A	HPCI Steam Disch	W-22	Valve-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-A	HPCI Steam Disch	W-23	Pipe-to-Valve	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-A	HPCI Steam Disch	W-24	Valve-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-A	HPCI Steam Disch	W-25	Pipe-to-Reducer	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-A	HPCI Steam Disch	W-26	Reducer-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-A	HPCI Steam Disch	W-27	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-A	HPCI Steam Disch	W-28	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-A	HPCI Steam Disch	W-29 LS D	Pipe-to-Torus	C 5. 51	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-19-B	RCIC Steam Discharge	W- 1	Flange-to-Tee	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-B	RCIC Steam Discharge	W- 2	Tee-to-Endcap	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-B	RCIC Steam Discharge	W- 3	Tee-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....

ISO	System	Item	Item Description	ASME Item Number	Notes (* = Relief Request)	Schedule							
						1993	1994		1996	1998		1999	2002
ISI-13142-19-B	RCIC Steam Discharge	W- 4	Pipe-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-B	RCIC Steam Discharge	W- 5	Elbow-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-B	RCIC Steam Discharge	W- 6	Pipe-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-B	RCIC Steam Discharge	W- 7	Elbow-to-Tee	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-B	RCIC Steam Discharge	W- 8	Tee-to-Flange	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-B	RCIC Steam Discharge	W- 9	Tee-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-B	RCIC Steam Discharge	W-10	Pipe-to-Valve	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-B	RCIC Steam Discharge	W-11	Valve-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-B	RCIC Steam Discharge	W-12	Pipe-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-B	RCIC Steam Discharge	W-13	Pipe-to-Valve	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-B	RCIC Steam Discharge	W-14	Valve-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-B	RCIC Steam Discharge	W-15	Elbow-to-Valve	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-B	RCIC Steam Discharge	W-16	Valve-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-B	RCIC Steam Discharge	W-17	Pipe-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-B	RCIC Steam Discharge	W-18	Elbow-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-B	RCIC Steam Discharge	W-19	Pipe-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-B	RCIC Steam Discharge	W-20	Elbow-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-B	RCIC Steam Discharge	W-21	Pipe-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-B	RCIC Water Suction	W-22	Pipe-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-B	RCIC Steam Discharge	W-23	Elbow-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-B	RCIC Steam Discharge	W-24	Pipe-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-B	RCIC Steam Discharge	W-25	Elbow-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-B	RCIC Steam Discharge	W-26	Pipe-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-B	RCIC Steam Discharge	W-27	Elbow-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-19-B	RCIC Steam Discharge	W-28	Pipe-to-Torus Pent.	C 5. 51	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-13142-20-A	Core Spray B	H- 1	Variable Spr / Slide	F-A,B,C	.....	I	.....	.....	.....	.....	.....	.....	.....
ISI-13142-20-A	Core Spray B	H- 2	Slide	F-A,B,C	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-13142-20-A	Core Spray B	H- 3	Snubber	F-A,B,C	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-13142-20-A	Core Spray B	H- 4	Variable Spr/Slide	F-A,B,C	.....	I	.....	.....	.....	.....	.....	.....	.....
ISI-13142-20-A	Core Spray B	H- 5	Strut / Clamp	F-A,B,C	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-13142-20-A	Core Spray B	W- 1	Tor.Penn-to-Elbow	C 5. 51	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-13142-20-A	Core Spray B	W- 2	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-20-A	Core Spray B	W- 3	Pipe-to-Elbow	C 5. 51	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-13142-20-A	Core Spray B	W- 4	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-20-A	Core Spray B	W- 5	Pipe-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-20-A	Core Spray B	W- 6	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-20-A	Core Spray B	W- 7	Elbow-to-Elbow	C 5. 51	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-13142-20-A	Core Spray B	W- 8	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-20-A	Core Spray B	W- 9	Pipe-to-Valve	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-20-A	Core Spray B	W-10	Valve-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-20-A	Core Spray B	W-11	Pipe-to-Valve	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-20-A	Core Spray B	W-12	Valve-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-20-A	Core Spray B	W-13	Pipe-to-Tee	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-20-A	Core Spray B	W-14	Tee-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-20-A	Core Spray B	W-15	Pipe-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-20-A	Core Spray B	W-16	Pipe-to-Elbow	C 5. 51	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-13142-20-A	Core Spray B	W-17	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-20-A	Core Spray B	W-18	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....

Third Interval Summary

Monticello Generating Plant
In Service Inspection Program Plan and Schedule

Reference: ASME Section XI
1986, Edition

ISO	System	Item	Item Description	ASME Item Number	Notes (*=Relief Request)	Schedule								
						1993	1994		1996	1998		1999	2002	
ISI-13142-20-A	Core Spray B	W-19	Elbow-to-Elbow	C 5. 51										
ISI-13142-20-A	Core Spray B	W-20	Elbow-to-Pipe	C 5. 51										
ISI-13142-20-A	Core Spray B	W-21	Pipe-to-Pipe	C 5. 51										
ISI-13142-20-A	Core Spray B	W-22	Pipe-to-Pump	C 5. 51				S						
ISI-13142-20-A	Core Spray B	W-23	Valve-to-Elbow	C 5. 51										
ISI-13142-20-A	Core Spray B	W-24	Elbow-to-Pipe	C 5. 51										
ISI-13142-20-A	Core Spray B	W-25	Pipe-to-Tee	C 5. 51										
ISI-13142-20-B	Core Spray A	H- 1	Variable	F-A,B,C			S							
ISI-13142-20-B	Core Spray A	H- 2	Slide Hanger	F-A,B,C				S						
ISI-13142-20-B	Core Spray A	H- 3	Snubber / Clamp	F-A,B,C				S						
ISI-13142-20-B	Core Spray A	H- 4	Variable / Support	F-A,B,C		I								
ISI-13142-20-B	Core Spray A	H- 5	Variable / Support	F-A,B,C				S						
ISI-13142-20-B	Core Spray A	W- 1	Torus Penn-to-Elbow	C 5. 51			S							
ISI-13142-20-B	Core Spray A	W- 2	Elbow-to-Pipe	C 5. 51										
ISI-13142-20-B	Core Spray A	W- 3	Pipe-to-Pipe	C 5. 51										
ISI-13142-20-B	Core Spray A	W- 4	Pipe-to-Elbow	C 5. 51			S							
ISI-13142-20-B	Core Spray A	W- 5	Elbow-to-Pipe	C 5. 51										
ISI-13142-20-B	Core Spray A	W- 6	Pipe-to-Valve	C 5. 51										
ISI-13142-20-B	Core Spray A	W- 7	Valve-to-Pipe	C 5. 51										
ISI-13142-20-B	Core Spray A	W- 8	Pipe-to-Valve	C 5. 51										
ISI-13142-20-B	Core Spray A	W- 9	Valve-to-Tee	C 5. 51										
ISI-13142-20-B	Core Spray A	W-10	Valve-to-Pipe	C 5. 51										
ISI-13142-20-B	Core Spray A	W-11	Pipe-to-Elbow	C 5. 51										
ISI-13142-20-B	Core Spray A	W-12	Elbow-to-Pipe	C 5. 51										
ISI-13142-20-B	Core Spray A	W-13	Pipe-to-Tee	C 5. 51										
ISI-13142-20-B	Core Spray A	W-14	Tee-to-Pipe	C 5. 51										
ISI-13142-20-B	Core Spray A	W-15	Pipe-to-Elbow	C 5. 51					S					
ISI-13142-20-B	Core Spray A	W-16	Elbow-to-Pipe	C 5. 51										
ISI-13142-20-B	Core Spray A	W-17	Pipe-to-Pipe	C 5. 51										
ISI-13142-20-B	Core Spray A	W-18	Pipe-to-Pipe	C 5. 51										
ISI-13142-20-B	Core Spray A	W-19	Pipe-to-Pipe	C 5. 51										
ISI-13142-20-B	Core Spray A	W-20	Pipe-to-Elbow	C 5. 51										
ISI-13142-20-B	Core Spray A	W-21	Elbow-to-Pipe	C 5. 51										
ISI-13142-20-B	Core Spray A	W-22	Pipe-to-Elbow	C 5. 51										
ISI-13142-20-B	Core Spray A	W-23	Elbow-to-Pipe	C 5. 51			S							
ISI-13142-20-B	Core Spray A	W-24	Pipe-to-Elbow	C 5. 51										
ISI-13142-20-B	Core Spray A	W-25	Elbow-to-Pipe	C 5. 51										
ISI-13142-20-B	Core Spray A	W-26	Pipe-to-Elbow	C 5. 51										
ISI-13142-20-B	Core Spray A	W-27	Elbow-to-Pump	C 5. 51			S							
ISI-13142-20-C	Rx Ves Head Cooling	B- 1	Flange Bolts	C 7. 50									S	
ISI-13142-20-C	Rx Ves Head Cooling	B- 2	Flange Bolts	B 7. 50									S	
ISI-13142-20-C	Rx Ves Head Cooling	H- 1	Strut / Clamp	F-A,B,C									S	
ISI-13142-20-C	Rx Ves Head Cooling	H- 2	Dbl Spring / 4 Lugs	F-A,B,C	B10. 10			S						
ISI-13142-20-C	Rx Ves Head Cooling	H- 3	Box Restraint	F-A,B,C				S						
ISI-13142-20-C	Rx Ves Head Cooling	W- 1	Valve-to-Pipe	B 9. 11										
ISI-13142-20-C	Rx Ves Head Cooling	W- 2	Pipe-to-Pipe	B 9. 11		DD							S	
ISI-13142-20-C	Rx Ves Head Cooling	W- 3	Pipe-to-Pipe	B 9. 11										
ISI-13142-20-C	Rx Ves Head Cooling	W- 4	Pipe-to-Elbow	B 9. 11										

ISO	System	Item	Item Description	ASME Item Number	Notes (* = Relief Request)	Schedule							
						1993	1994		1996	1998		1999	2002
ISI-13142-20-C	Rx Ves Head Cooling	W- 5	Elbow-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-20-C	Rx Ves Head Cooling	W- 6	Pipe-to-Valve	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-20-C	Rx Ves Head Cooling	W- 7	Valve to Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-20-C	Rx Ves Head Cooling	W- 8	Pipe-to-Valve	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-20-C	Rx Ves Head Cooling	W- 9	Valve-to-Elbow	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-20-C	Rx Ves Head Cooling	W-10	Elbow-to-Pipe	B 9. 11	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-13142-20-C	Rx Ves Head Cooling	W-11	Pipe-to-Elbow	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-20-C	Rx Ves Head Cooling	W-12	Elbow-to-Pipe	B 9. 11	.....	I	.....	.....	.....	.....	.....	.....	.....
ISI-13142-20-C	Rx Ves Head Cooling	W-13	Pipe-to-Elbow	B 9. 11	.....	I	.....	.....	.....	.....	.....	.....	.....
ISI-13142-20-C	Rx Ves Head Cooling	W-14	Elbow-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-20-C	Rx Ves Head Cooling	W-15	Pipe-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-20-C	Rx Ves Head Cooling	W-16	Pipe-to-Flange	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-20-C	Rx Ves Head Cooling	W-17	Flange-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-20-C	Rx Ves Head Cooling	W-18	Pipe-to-Elbow	B 9. 11	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-13142-20-C	Rx Ves Head Cooling	W-19	Elbow-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-20-C	Rx Ves Head Cooling	W-20	Pipe-to-Elbow	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-20-C	Rx Ves Head Cooling	W-21	Elbow-to-Flange	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-20-C	Rx Ves Head Cooling	W-22	Flange-to-Nozzle	B 9. 11	CC ;	.....	.....	S	.....	.....	.....	.....	.....
ISI-13142-26-A	Core Spray A	B- 1	Valve Bolts	B 7. 70	.....	.....	S	.....	.....	.....	.....	.....	.....
ISI-13142-26-A	Core Spray A	B- 2	Valve Bolts	B 7. 70	.....	.....	S	.....	.....	.....	.....	.....	.....
ISI-13142-26-A	Core Spray A	B- 3	Valve Bolts	B 7. 70	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-13142-26-A	Core Spray A	H- 1	Spring / Clamp	F-A,B,C	.....	I	.....	.....	.....	.....	.....	.....	.....
ISI-13142-26-A	Core Spray A	H- 2	Restraint Slide	F-A,B,C	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-13142-26-A	Core Spray A Disch	H- 3	Spring / Clamp	F-A,B,C	.....	.....	S	.....	.....	.....	.....	.....	.....
ISI-13142-26-A	Core Spray A Disch	H- 4	Spring / Clamp	F-A,B,C	.....	.....	.....	.....	.....	.....	.....	S	.....
ISI-13142-26-A	Core Spray A	V- 1	Valve Internals	B12. 50	HH ;*4 ;	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-26-A	Core Spray A	V- 2	Valve Internals	B12. 50	HH ;*4 ;	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-26-A	Core Spray A	V- 3	Valve Internals	B12. 50	HH ;*4 ;	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-26-A	Core Spray A Disch	W- 1	Valve-to-Pipe	C 5. 51	JJ ;	.....	.....	.....	.....	.....	S	.....	.....
ISI-13142-26-A	Core Spray A Disch	W- 2	Pipe-to-Elbow	C 5. 51	JJ ;	.....	.....	.....	.....	.....	S	.....	.....
ISI-13142-26-A	Core Spray A Disch	W- 3	Elbow-to-Pipe	C 5. 51	JJ ;	.....	.....	.....	.....	.....	S	.....	.....
ISI-13142-26-A	Core Spray A Disch	W- 4	Pipe-to-Elbow	C 5. 51	JJ ;	.....	.....	.....	.....	.....	S	.....	.....
ISI-13142-26-A	Core Spray A Disch	W- 5	Elbow-to-Valve	C 5. 51	JJ ;	.....	.....	.....	.....	.....	S	.....	.....
ISI-13142-26-A	Core Spray A	W- 6	Valve-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-26-A	Core Spray A	W- 7	Pipe-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-26-A	Core Spray A	W- 8	Pipe-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-13142-26-A	Core Spray A	W- 9	Pipe-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-26-A	Core Spray A	W-10	Pipe-to-Pipe	B 9. 11	DD ;	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-26-A	Core Spray A	W-11	Pipe-to-Elbow	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-26-A	Core Spray A	W-12	Elbow-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-26-A	Core Spray A	W-13	Pipe-to-Valve	B 9. 11	.....	.....	S	.....	.....	.....	.....	.....	.....
ISI-13142-26-A	Core Spray A	W-14	Valve-to-Pipe	B 9. 11	.....	.....	S	.....	.....	.....	.....	.....	.....
ISI-13142-26-A	Core Spray A	W-15	Pipe-to-Elbow	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-26-A	Core Spray A	W-16	Elbow-to-Valve	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-26-A	Core Spray A	W-17	Valve-to-Bent Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-26-A	Core Spray A	W-18	Bent Pipe/Bent Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-26-A	Core Spray A	W-19	Bent Pipe-to-SafeEnd	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-26-A	Core Spray A	W-20	Safe End-to-Nozzle	B 5. 10	CC ;	.....	.....	.....	.....	.....	.....	S	.....

ISO	System	Item	Item Description	ASME Item Number	Notes (* = Relief Request)	Schedule								
						1993	1994		1996	1998		1999	2002	
ISI-13142-26-B	Core Spray A Disch	W 12	Pipe-to-Elbow	C X. XX										
ISI-13142-26-B	Core Spray A Disch	W- 1	Reducer-to-Valve	C X. XX										
ISI-13142-26-B	Core Spray A Disch	W- 2	Pipe-to-Reducer	C X. XX										
ISI-13142-26-B	Core Spray A Disch	W- 3	Tee-to-Pipe	C X. XX										
ISI-13142-26-B	Core Spray A Disch	W- 4	Tee-to-Pipe	C X. XX										
ISI-13142-26-B	Core Spray A Disch	W- 5	Pipe-to-Elbow	C X. XX										
ISI-13142-26-B	Core Spray A Disch	W- 6	Elbow-to-Elbow	C X. XX										
ISI-13142-26-B	Core Spray A Disch	W- 7	Elbow-to-Pipe	C X. XX										
ISI-13142-26-B	Core Spray A Disch	W- 8	Pipe-to-Pipe	C X. XX										
ISI-13142-26-B	Core Spray A Disch	W- 9	Pipe-to-Pipe	C X. XX										
ISI-13142-26-B	Core Spray A Disch	W-10	Pipe-to-Elbow	C X. XX										
ISI-13142-26-B	Core Spray A Disch	W-13	Elbow-to-Pipe	C X. XX										
ISI-13142-26-B	Core Spray A Disch	W-14	Pipe-to-Elbow	C X. XX										
ISI-13142-26-B	Core Spray A Disch	W-15	Elbow-to-Pipe	C X. XX										
ISI-13142-26-B	Core Spray A Disch	W-16	Pipe-to-Pipe	C X. XX										
ISI-13142-26-B	Core Spray A Disch	W-17	Pipe-to-Reducer	C X. XX										
ISI-13142-26-B	Core Spray A Disch	W-18	Reducer-to-Valve	C 5. 51	JJ ;						S			
ISI-13142-26-C	Core Spray A	W- 1	Pump-to-Elbow	C X. XX										
ISI-13142-26-C	Core Spray A	W- 2	Elbow-to-Pipe	C X. XX										
ISI-13142-26-C	Core Spray A	W- 3	Pipe-to-Valves	C X. XX										
ISI-13142-26-C	Core Spray A	W- 4	Valve-to-Pipe	C X. XX										
ISI-13142-26-C	Core Spray A	W- 5	Pipe-to-Elbow	C X. XX										
ISI-13142-26-C	Core Spray A	W- 6	Elbow-to-Pipe	C X. XX										
ISI-13142-26-C	Core Spray A	W- 7	Pipe-to-Flange	C X. XX										
ISI-13142-26-C	Core Spray A	W- 8	Flange-to-Pipe	C X. XX										
ISI-13142-26-C	Core Spray A	W- 9	Pipe-to-Elbow	C X. XX										
ISI-13142-26-C	Core Spray A	W-10	Elbow-to-Pipe	C X. XX										
ISI-13142-26-C	Core Spray A	W-11	Pipe-to-Elbow	C X. XX										
ISI-13142-26-C	Core Spray A	W-12	Elbow-to-Pipe	C X. XX										
ISI-13142-26-C	Core Spray A	W-13	Pipe-to-Elbow	C X. XX										
ISI-13142-26-C	Core Spray A	W-14	Elbow-to-Pipe	C X. XX										
ISI-13142-26-C	Core Spray A	W-15	Pipe-to-Elbow	C X. XX										
ISI-13142-26-C	Core Spray A	W-16	Elbow-to-Pipe	C X. XX										
ISI-13142-26-C	Core Spray A	W-17	Pipe-to-Elbow	C X. XX										
ISI-13142-26-C	Core Spray A	W-18	Elbow-to-Pipe	C X. XX										
ISI-13142-26-C	Core Spray A	W-19	Pipe-to-Flange	C X. XX										
ISI-13142-26-C	Core Spray A	W-20	Flange-to-Pipe	C X. XX										
ISI-13142-26-C	Core Spray A	W-21	Pipe-to-Tee	C X. XX										
ISI-13142-31-A	Core Spray B	B- 1	Valve Bolts	B 7. 70		I								
ISI-13142-31-A	Core Spray B	B- 2	Valve Bolts	B 7. 70					S					
ISI-13142-31-A	Core Spray B	B- 3	Valve Bolts	B 7. 70					S					
ISI-13142-31-A	Core Spray B	H- 1	Spring / Clamp	F-A,B,C					S					
ISI-13142-31-A	Core Spray B	H- 2	Spring / Clamp	F-A,B,C					S					
ISI-13142-31-A	Core Spray B	V- 1	Valve Internals	B12. 50	HH ;*4 ;									
ISI-13142-31-A	Core Spray B	V- 2	Valve Internals	B12. 50	HH ;*4 ;									
ISI-13142-31-A	Core Spray B	V- 3	Valve Internals	B12. 50	HH ;*4 ;									
ISI-13142-31-A	Core Spray B	W- 1	Valve-to-Pipe	B 9. 11										
ISI-13142-31-A	Core Spray B	W- 2	Pipe-to-Pipe	B 9. 11										

ISO	System	Item	Item Description	ASME Item Number	Notes (* = Relief Request)	Schedule							
						1993	1994		1996	1998		1999	2002
ISI-13142-31-A	Core Spray B	W- 3	Pipe-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-13142-31-A	Core Spray B	W- 4	Pipe-to-Pipe	B 9. 11	DD ;.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-A	Core Spray B	W- 5	Pipe-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-A	Core Spray B	W- 6	Pipe-to-Elbow	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-A	Core Spray B	W- 7	Elbow-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-A	Core Spray B	W- 8	Pipe-to-Valve	B 9. 11	CC ;.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-31-A	Core Spray B	W- 9	Valve-to-Pipe	B 9. 11	CC ;.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-31-A	Core Spray B	W-10	Pipe-to-Bent Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-A	Core Spray B	W-11	Bent Pipe-to-Valve	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-A	Core Spray B	W-12	Valve-to-Bent Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-A	Core Spray B	W-13	Bent Pipe-to-B.Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-A	Core Spray B	W-14	Bent Pipe / Safe End	B 9. 11	.....	S	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-A	Core Spray B	W-15	Safe End-to-Nozzle	B 5. 10	CC ;.....	S	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-B	Core Spray B Disch	H- 1	Valve Strap	F-A,B,C	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-31-B	Core Spray B Disch	H- 2	Double Spring/Clamp	F-A,B,C	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-31-B	Core Spray B Disch	W- 1	Tee-to-Valve	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-B	Core Spray B Disch	W- 2	Valve-to-Reducer	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-B	Core Spray B Disch	W- 3	Reducer-to-Flange	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-B	Core Spray B Disch	W- 4	Tee-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-B	Core Spray B Disch	W- 5	Pipe-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-B	Core Spray B Disch	W- 6	Pipe-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-B	Core Spray B Disch	W- 7	Pipe-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-B	Core Spray B Disch	W- 8	Elbow-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-B	Core Spray B Disch	W- 9	Pipe-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-B	Core Spray B Disch	W-10	Elbow-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-B	Core Spray B Disch	W-11	Pipe-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-B	Core Spray B Disch	W-12	Elbow-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-B	Core Spray B Disch	W-13	Pipe-to-Reducer	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-B	Core Spray B Disch	W-14	Reducer-to-Valve	C 5. 51	JJ ;.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-31-B	Core Spray B Disch	W-15	Valve-to-Pipe	C 5. 51	JJ ;.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-31-B	Core Spray B Disch	W-16	Pipe-to-Elbow	C 5. 51	JJ ;.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-31-B	Core Spray B Disch	W-17	Elbow-to-Pipe	C 5. 51	JJ ;.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-31-B	Core Spray B Disch	W-18	Pipe-to-Elbow	C 5. 51	JJ ;.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-31-B	Core Spray B Disch	W-19	Elbow-to-Valve	C 5. 51	JJ ;.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-31-C	Core Spray B	W- 1	Pump-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-C	Core Spray B	W- 2	Elbow-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-C	Core Spray B	W- 3	Pipe-to-Valve	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-C	Core Spray B	W- 4	Valve-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-C	Core Spray B	W- 5	Pipe-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-C	Core Spray B	W- 6	Elbow-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-C	Core Spray B	W- 7	Elbow-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-C	Core Spray B	W- 8	Pipe-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-C	Core Spray B	W- 9	Elbow-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-C	Core Spray B	W-10	Pipe-to-Flange	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-C	Core Spray B	W-11	Flange-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-C	Core Spray B	W-12	Pipe-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-C	Core Spray B	W-13	Elbow-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-C	Core Spray B	W-14	Pipe-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....

Third Interval
Summary

Monticello Generating Plant
In Service Inspection Program Plan and Schedule

Reference: ASME Section XI
1986, Edition

ISO	System	Item	Item Description	ASME Item Number	Notes (* = Relief Request)	Schedule							
						1993	1994		1996	1998		1999	2002
ISI-13142-31-C	Core Spray B	W-15	Elbow-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-C	Core Spray B	W-16	Pipe-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-C	Core Spray B	W-17	Elbow-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-C	Core Spray B	W-18	Elbow-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-C	Core Spray B	W-19	Pipe-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-C	Core Spray B	W-20	Elbow-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-C	Core Spray B	W-21	Elbow-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-C	Core Spray B	W-22	Elbow-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-C	Core Spray B	W-23	Pipe-to-Flange	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-C	Core Spray B	W-24	Flange-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-C	Core Spray B	W-25	Pipe-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-C	Core Spray B	W-26	Elbow-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-C	Core Spray B	W-27	Elbow-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-C	Core Spray B	W-28	Elbow-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-31-C	Core Spray B	W-29	Pipe-to-Tee	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-33-A	Main Steam A	B- 1	Flange Bolts @ W-12	B 7. 50	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-13142-33-A	Main Steam A	B- 2	Flange Bolts @ W-14	B 7. 50	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-13142-33-A	Main Steam A	B- 3	Flange Bolts @ W-16	B 7. 50	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-13142-33-A	Main Steam A	B- 4	Flange Bolts @ W-18	B 7. 50	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-13142-33-A	Main Steam A	B- 5	Flange Bolts @ W-20	B 7. 50	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-13142-33-A	Main Steam A	B- 6	Flange Bolts @ W-22	B 7. 50	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-13142-33-A	Main Steam A	B- 7	Valve Bolts	B 7. 70	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-13142-33-A	Main Steam A	B- 8	Valve Bolts	B 7. 70	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-13142-33-A	Main Steam A	B- 9	Valve Bolts	B 7. 70	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-13142-33-A	Main Steam A	B-10	Valve Bolts	B 7. 70	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-13142-33-A	Main Steam A	H- 1	Double Spring 4 Lugs	F-A,B,C B10. 10	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-13142-33-A	Main Steam A	H- 2	Snubber / Clamp	F-A,B,C	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-13142-33-A	Main Steam A	H- 3	Snubber / Clamp	F-A,B,C	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-13142-33-A	Main Steam A	H- 4	Variable / Spring	F-A,B,C	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-13142-33-A	Main Steam A	H- 5	Spring / Clamp	F-A,B,C	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-13142-33-A	Main Steam A	H- 6	Snubber / Clamp	F-A,B,C	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-13142-33-A	Main Steam A	H- 7	Snubber / Clamp	F-A,B,C	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-13142-33-A	Main Steam A	H- 8	Double Spring/4 Lugs	F-A,B,C B10. 10	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-13142-33-A	Main Steam A	V- 1	Valve Int Surfaces	B12. 50	FF ;*4 ;	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-33-A	Main Steam A	V- 2	Valve Int Surfaces	B12. 50	FF ;*4 ;	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-33-A	Main Steam A	V- 3	Valve Int Surfaces	B12. 50	EE ;*4 ;	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-33-A	Main Steam A	V- 4	Valve Int Surfaces	B12. 50	EE ;*4 ;	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-33-A	Main Steam A	W- 1 / LS U	Nozzle-to-Safe End	B 9. 10	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-13142-33-A	Main Steam A	W- 2 / LS D	Safe End-to-Elbow	B 9. 10	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-13142-33-A	Main Steam A	W- 3	Elbow-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-33-A	Main Steam A	W- 4	Pipe-to-Elbow	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-33-A	Main Steam A	W- 5	Elbow-to-Pipe	B 9. 11	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-13142-33-A	Main Steam A	W- 6	Pipe-to-Elbow	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-33-A	Main Steam A	W- 7	Elbow-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-33-A	Main Steam A	W- 8	Pipe-to-Elbow	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-33-A	Main Steam A	W- 9	Elbow-to-Elbow	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-33-A	Main Steam A	W-10	Elbow-to-Pipe	B 9. 11	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-13142-33-A	Main Steam A	W-11	Pipe-to-Sweep-O-Let	B 9. 31	.....	.....	.....	.....	.....	.....	.....	.....	.....

ISO	System	Item	Item Description	ASME Item Number	Notes (*=Relief Request)	Schedule								
						1993	1994		1996	1998		1999	2002	
ISI-13142-33-A	Main Steam A	W-12	Sweep-0-Let / Flange	B 9. 11										
ISI-13142-33-A	Main Steam A	W-13	Pipe-to-Sweep-0-Let	B 9. 31				S						
ISI-13142-33-A	Main Steam A	W-14	Sweep-0-Let / Flange	B 9. 11										
ISI-13142-33-A	Main Steam A	W-15	Pipe-to-Sweep-0-Let	B 9. 31										
ISI-13142-33-A	Main Steam A	W-16	Sweep-0-Let / Flange	B 9. 11										
ISI-13142-33-A	Main Steam A	W-17	Pipe-to-Sweep-0-Let	B 9. 31								S		
ISI-13142-33-A	Main Steam A	W-18	Sweep-0-Let / Flange	B 9. 11								S		
ISI-13142-33-A	Main Steam A	W-19	Pipe-to-Sweep-0-Let	B 9. 31										
ISI-13142-33-A	Main Steam A	W-20	Sweep-0-Let / Flange	B 9. 11										
ISI-13142-33-A	Main Steam A	W-21	Pipe-to-Sweep-0-Let	B 9. 31										
ISI-13142-33-A	Main Steam A	W-22	Sweep-0-Let / Flange	B 9. 11										
ISI-13142-33-A	Main Steam A	W-23	Pipe-to-Elbow	B 9. 11										
ISI-13142-33-A	Main Steam A	W-24	Elbow-to-Pipe	B 9. 11								S		
ISI-13142-33-A	Main Steam A	W-25	Pipe-to-Elbow	B 9. 11								S		
ISI-13142-33-A	Main Steam A	W-26	Elbow-to-Valve	B 9. 11										
ISI-13142-33-A	Main Steam A	W-27	Valve-to-Pipe	B 9. 11										
ISI-13142-33-A	Main Steam A	W-28	Pipe-to-Pipe	B 9. 11	DD ;									
ISI-13142-33-A	Main Steam A	W-29	Pipe-to-Pipe	B 9. 11								S		
ISI-13142-33-A	Main Steam A	W-30	Pipe-to-Pipe	B 9. 11										
ISI-13142-33-A	Main Steam A	W-31	Pipe-to-Pipe	B 9. 11										
ISI-13142-33-A	Main Steam A	W-32	Pipe-to-Valve	B 9. 11										
ISI-13142-34-A	Main Steam B	B- 1	Flange Bolts @ W-13	B 7. 50									S	
ISI-13142-34-A	Main Steam B	B- 2	Flange Bolts @ W-15	B 7. 50				S						
ISI-13142-34-A	Main Steam B	B- 3	Flange Bolts @ W-16	B 7. 50									S	
ISI-13142-34-A	Main Steam B	B- 4	Valve Bolts @ W-26	B 7. 70				S						
ISI-13142-34-A	Main Steam B	B- 5	Valve Bolts @ W-33	B 7. 70				S						
ISI-13142-34-A	Main Steam B	B- 6	Valve Bolts	B 7. 70										
ISI-13142-34-A	Main Steam B	B- 7	Valve Bolts	B 7. 70			S							
ISI-13142-34-A	Main Steam B	H- 1	Double Spring/4 Lugs	F-A,B,C B10. 10									S	
ISI-13142-34-A	Main Steam B	H- 2	Snubber / Clamp	F-A,B,C					S					
ISI-13142-34-A	Main Steam B	H- 3	Snubber / CLamp	F-A,B,C					S					
ISI-13142-34-A	Main Steam B	H- 4	Spring / Clamp	F-A,B,C					S					
ISI-13142-34-A	Main Steam B	H- 5	Double Spring/4 Lugs	F-A,B,C B10. 10									S	
ISI-13142-34-A	Main Steam B	V- 1	Valve Internals	B12. 50	FF ;*4 ;									
ISI-13142-34-A	Main Steam B	V- 2	Valve Internals	B12. 50	FF ;*4 ;									
ISI-13142-34-A	Main Steam B	V- 3	Valve Internals	B12. 50	EE ;*4 ;									
ISI-13142-34-A	Main Steam B	V- 4	Valve Internals	B12. 50	EE ;*4 ;									
ISI-13142-34-A	Main Steam B	W- 1 LS U	Nozzle-to-Safe End	B 9. 10								S		
ISI-13142-34-A	Main Steam B	W- 2 LS D	Safe End-to-Elbow	B 9. 11								S		
ISI-13142-34-A	Main Steam B	W- 3	Elbow-to-Pipe	B 9. 11										
ISI-13142-34-A	Main Steam B	W- 4	Pipe-to-Elbow	B 9. 11										
ISI-13142-34-A	Main Steam B	W- 5	Elbow-to-Pipe	B 9. 11										
ISI-13142-34-A	Main Steam B	W- 6	Pipe-to-Pipe	B 9. 11										
ISI-13142-34-A	Main Steam B	W- 7	Pipe-to-Elbow	B 9. 11										
ISI-13142-34-A	Main Steam B	W- 8	Elbow-to-Pipe	B 9. 11										
ISI-13142-34-A	Main Steam B	W- 9	Pipe-to-Elbow	B 9. 11										
ISI-13142-34-A	Main Steam B	W-10	Elbow-to-Elbow	B 9. 11				S						
ISI-13142-34-A	Main Steam B	W-11	Elbow-to-Pipe	B 9. 11				S						

Third Interval
Summary

Monticello Generating Plant
In Service Inspection Program Plan and Schedule

Reference: ASME Section XI
1986, Edition

ISO	System	Item	Item Description	ASME Item Number	Notes (* = Relief Request)	Schedule						
						1993	1994	1996	1998	1999	2002	
ISI-13142-34-A	Main Steam B	W-12	Pipe-to-Sweep-0-Let	B 9. 31	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-34-A	Main Steam B	W-13	Sweep-0-Let / Flange	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-34-A	Main Steam B	W-14	Pipe-to-Sweep-0-Let	B 9. 31	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-34-A	Main Steam B	W-15	Sweep-0-Let / Flange	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-34-A	Main Steam B	W-16	Sweep-0-Let / Flange	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-34-A	Main Steam B	W-17	Pipe-to-Sweep-0-Let	B 9. 31	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-34-A	Main Steam B	W-18	Pipe-to-Sweep-0-Let	B 9. 31	.....	.....	S	.....	.....	.....	.....	.....
ISI-13142-34-A	Main Steam B	W-19	Pipe-to-Elbow	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-34-A	Main Steam B	W-20	Elbow-to-Boss	B 9. 32	.....	.....	.....	.....	.....	S	.....	.....
ISI-13142-34-A	Main Steam B	W-21	Elbow-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	S	.....	.....
ISI-13142-34-A	Main Steam B	W-22	Pipe-to-Elbow	B 9. 11	.....	.....	.....	.....	.....	S	.....	.....
ISI-13142-34-A	Main Steam B	W-23	Elbow-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-34-A	Main Steam B	W-24	Pipe-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-34-A	Main Steam B	W-25	Pipe-to-Elbow	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-34-A	Main Steam B	W-26	Elbow-to Valve	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-34-A	Main Steam B	W-27	Valve-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-34-A	Main Steam B	W-28	Pipe-to-Pipe	B 9. 11	DD ;	.....	.....	.....	.....	.....	.....	.....
ISI-13142-34-A	Main Steam B	W-29	Pipe-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	S	.....	.....
ISI-13142-34-A	Main Steam B	W-30	Pipe-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-34-A	Main Steam B	W-31	Pipe-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-34-A	Main Steam B	W-32	Pipe-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-34-A	Main Steam B	W-33	Pipe-to-Valve	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-35-A	Main Steam C	B- 1	Valve Bolts	B 7. 70	.....	.....	.....	.....	.....	.....	S	.....
ISI-13142-35-A	Main Steam C	B- 2	Valve Bolting	B 7. 70	.....	I	.....	.....	.....	.....	.....	.....
ISI-13142-35-A	Main Steam C	B- 3	Flange Bolts @ W-16	B 7. 50	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-35-A	Main Steam C	B- 4	Flange Bolts @ W-18	B 7. 50	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-35-A	Main Steam C	B- 5	Flange Bolts @ W-14	B 7. 70	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-35-A	Main Steam C	B- 6	Valve Bolts @ W-18	B 7. 50	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-35-A	Main Steam C	B- 7	Valve Bolts @ W-14	B 7. 50	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-35-A	Main Steam C	H- 1	Double Spring/4 Lugs	F-A,B,C 810. 10	.....	.....	.....	.....	.....	.....	S	.....
ISI-13142-35-A	Main Steam C	H- 2	Snubber / Clamp	F-A,B,C	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-35-A	Main Steam C	H- 3	Snubber / Clamp	F-A,B,C	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-35-A	Main Steam C	H- 4	Spring / Clamp	F-A,B,C	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-35-A	Main Steam C	H- 5	Double Spring/4 Lugs	F-A,B,C B 10.10	.....	.....	.....	.....	.....	.....	S	.....
ISI-13142-35-A	Main Steam C	V- 1	Valve Internals	B12. 50	FF ;*4 ;	.....	.....	.....	.....	.....	.....	.....
ISI-13142-35-A	Main Steam C	V- 2	Valve Internals	B12. 50	FF ;*4 ;	.....	.....	.....	.....	.....	.....	.....
ISI-13142-35-A	Main Steam C	V- 3	Valve Internals	B12. 50	EE ;*4 ;	.....	.....	.....	.....	.....	.....	.....
ISI-13142-35-A	Main Steam C	V- 4	Valve Internals	B12. 50	EE ;*4 ;	.....	.....	.....	.....	.....	.....	.....
ISI-13142-35-A	Main Steam C	W- 1 LS U	Nozzle-to-Safe End	B 9. 10	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-35-A	Main Steam C	W- 2 LS D	Safe End-to-Pipe	B 9. 10	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-35-A	Main Steam C	W- 3	Pipe-to-Elbow	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-35-A	Main Steam C	W- 4	Elbow-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-35-A	Main Steam C	W- 5	Pipe-to-Elbow	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-35-A	Main Steam C	W- 6	Elbow-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-35-A	Main Steam C	W- 7	Pipe-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-35-A	Main Steam C	W- 8	Pipe-to-Elbow	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-35-A	Main Steam C	W- 9	Elbow-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-35-A	Main Steam C	W-10	Pipe-to-Elbow	B 9. 11	.....	S	.....	.....	.....	.....	.....	.....

ISO	System	Item	Item Description	ASME Item Number	Notes (* = Relief Request)	Schedule								
						1993	1994		1996	1998		1999	2002	
ISI-13142-35-A	Main Steam C	W-11	Elbow-to-Elbow	B 9. 11			S							
ISI-13142-35-A	Main Steam C	W-12	Elbow-to-Pipe	B 9. 11			S							
ISI-13142-35-A	Main Steam C	W-13	Pipe-to-Sweep-0-Let	B 9. 31					S					
ISI-13142-35-A	Main Steam C	W-14	Sweep-0-Let / Flange	B 9. 11										
ISI-13142-35-A	Main Steam C	W-15	Pipe-to-Sweep-0-Let	B 9. 31					S					
ISI-13142-35-A	Main Steam C	W-16	Sweep-0-Let / Flange	B 9. 11										
ISI-13142-35-A	Main Steam C	W-17	Pipe-to-Sweep-0-Let	B 9. 31										
ISI-13142-35-A	Main Steam C	W-18	Sweep-0-Let / Flange	B 9. 11										
ISI-13142-35-A	Main Steam C	W-19	Pipe-to-Sweep-0-Let	B 9. 32										
ISI-13142-35-A	Main Steam C	W-20	Pipe-to-Elbow	B 9. 11										
ISI-13142-35-A	Main Steam C	W-21	Elbow-to-Pipe	B 9. 11									S	
ISI-13142-35-A	Main Steam C	W-22	Pipe-to-Elbow	B 9. 11									S	
ISI-13142-35-A	Main Steam C	W-23	Elbow-to-Pipe	B 9. 11										
ISI-13142-35-A	Main Steam C	W-24	Pipe-to-Pipe	B 9. 11										
ISI-13142-35-A	Main Steam C	W-25	Pipe-to-Elbow	B 9. 11										
ISI-13142-35-A	Main Steam C	W-26	Elbow-to-Valve	B 9. 11										
ISI-13142-35-A	Main Steam C	W-27	Valve-to-Pipe	B 9. 11										
ISI-13142-35-A	Main Steam C	W-28	Pipe-to-Pipe	B 9. 11	DD ;									
ISI-13142-35-A	Main Steam C	W-29	Pipe-to-Pipe	B 9. 11									S	
ISI-13142-35-A	Main Steam C	W-30	Pipe-to-Pipe	B 9. 11										
ISI-13142-35-A	Main Steam C	W-31	Pipe-to-Pipe	B 9. 11										
ISI-13142-35-A	Main Steam C	W-32	Pipe-to-Pipe	B 9. 11										
ISI-13142-35-A	Main Steam C	W-33	Pipe-to-Pipe	B 9. 11										
ISI-13142-35-A	Main Steam C	W-34	Pipe-to-Valve	B 9. 11										
ISI-13142-36-A	Main Steam D	B- 1	Flange Bolts @ W-13	B 7. 50					S					
ISI-13142-36-A	Main Steam D	B- 2	Flange Bolts @ W-15	B 7. 50					S					
ISI-13142-36-A	Main Steam D	B- 3	Flange Bolts @ W-17	B 7. 50					S					
ISI-13142-36-A	Main Steam D	B- 4	Flange Bolts @ W-19	B 7. 50					S					
ISI-13142-36-A	Main Steam D	B- 5	Flange Bolts @ W-21	B 7. 50									S	
ISI-13142-36-A	Main Steam D	B- 6	Flange Bolts @ W-23	B 7. 50									S	
ISI-13142-36-A	Main Steam D	B- 7	Valve Bolts	B 7. 70					S					
ISI-13142-36-A	Main Steam D	B- 8	Valve Bolts	B 7. 70					S					
ISI-13142-36-A	Main Steam D	B- 9	Valve Bolts	B 7. 70										
ISI-13142-36-A	Main Steam D	B-10	Valve Bolts	B 7. 70					S					
ISI-13142-36-A	Main Steam D	H- 1	Double Spring/4 Lugs	F-A,B,C B10. 10									S	
ISI-13142-36-A	Main Steam D	H- 2	Snubber / Clamp	F-A,B,C					S					
ISI-13142-36-A	Main Steam D	H- 3	Spring / Clamp	F-A,B,C					S					
ISI-13142-36-A	Main Steam D	H- 4	Variable / Spring	F-A,B,C									S	
ISI-13142-36-A	Main Steam D	H- 5	Snubber / Clamp	F-A,B,C										
ISI-13142-36-A	Main Steam D	H- 6	Snubber / Clamp	F-A,B,C					S					
ISI-13142-36-A	Main Steam D	H- 7	Double Spring/4 Lugs	B10. 10					S					
ISI-13142-36-A	Main Steam D	V- 1	Valve Internals	B12. 50	FF ;*4 ;									
ISI-13142-36-A	Main Steam D	V- 2	Valve Internals	B12. 50	FF ;*4 ;									
ISI-13142-36-A	Main Steam D	V- 3	Valve Internals	B12. 50	EE ;*4 ;									
ISI-13142-36-A	Main Steam D	V- 4	Valve Internals	B12. 50	EE ;*4 ;									
ISI-13142-36-A	Main Steam D	W- 1 LS U	Nozzle-to-Safe End	B 9. 10									S	
ISI-13142-36-A	Main Steam D	W- 2 LS D	Safe End-to-Elbow	B 9. 10									S	
ISI-13142-36-A	Main Steam D	W- 3	Elbow-to-Pipe	B 9. 11										

ISO	System	Item	Item Description	ASME Item Number	Notes (* = Relief Request)	Schedule							
						1993	1994		1996	1998		1999	2002
ISI-13142-36-A	Main Steam D	W- 4	Pipe-to-Elbow	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-36-A	Main Steam D	W- 5	Elbow-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-36-A	Main Steam D	W- 6	Pipe-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-36-A	Main Steam D	W- 7	Pipe-to-Elbow	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-36-A	Main Steam D	W- 8	Elbow-to-Pipe	B 9. 11	.....	S	.....	.....	.....	.....	.....	.....	.....
ISI-13142-36-A	Main Steam D	W- 9	Pipe-to-Elbow	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-36-A	Main Steam D	W-10	Elbow-to-Elbow	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-36-A	Main Steam D	W-11	Elbow-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-36-A	Main Steam D	W-12	Pipe-to-Sweep-O-Let	B 9. 31	.....	S	.....	.....	.....	.....	.....	.....	.....
ISI-13142-36-A	Main Steam D	W-13	Sweep-O-Let / Flange	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-36-A	Main Steam D	W-14	Pipe-to-Sweep-O-Let	B 9. 31	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-36-A	Main Steam D	W-15	Sweep-O-Let / Flange	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-36-A	Main Steam D	W-16	Pipe-to-Sweep-O-Let	B 9. 31	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-36-A	Main Steam D	W-17	Sweep-O-Let / Flange	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-36-A	Main Steam D	W-18	Pipe-to-Sweep-O-Let	B 9. 31	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-13142-36-A	Main Steam D	W-19	Sweep-O-Let / Flange	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-36-A	Main Steam D	W-20	Pipe-to-Sweep-O-Let	B 9. 31	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-36-A	Main Steam D	W-21	Sweep-O-Let / Flange	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-36-A	Main Steam D	W-22	Pipe-to-Sweep-O-Let	B 9. 31	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-36-A	Main Steam D	W-23	Sweep-O-Let / Flange	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-36-A	Main Steam D	W-24	Pipe-to-Elbow	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-36-A	Main Steam D	W-25	Elbow-to-Pipe	B 9. 11	.....	S	.....	.....	.....	.....	.....	.....	.....
ISI-13142-36-A	Main Steam D	W-26	Pipe-to-Elbow	B 9. 11	.....	.....	.....	.....	.....	.....	.....	S	.....
ISI-13142-36-A	Main Steam D	W-27	Elbow-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-36-A	Main Steam D	W-28	Pipe-to-Valve	B 9. 11	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-13142-36-A	Main Steam D	W-29	Valve-to-Pipe	B 9. 11	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-13142-36-A	Main Steam D	W-30	Pipe-to-Pipe	B 9. 11	DD ; .....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-36-A	Main Steam D	W-31	Pipe-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	S	.....
ISI-13142-36-A	Main Steam D	W-32	Pipe-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-36-A	Main Steam D	W-33	Pipe-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-36-A	Main Steam D	W-34	Pipe-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-36-A	Main Steam D	W-35	Pipe-to-Valve	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-A	RHR Discharge A	H- 1	Spring / Clamp	F-A,B,C	.....	.....	.....	.....	.....	.....	.....	S	.....
ISI-13142-37-A	RHR Discharge A	H- 2	Spring / Clamp	F-A,B,C	.....	.....	.....	.....	.....	.....	.....	S	.....
ISI-13142-37-A	RHR Discharge A	H- 3	Snubber	F-A,B,C	.....	I	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-A	RHR Discharge A	H- 4	Dbl Spring / Clamp	F-A,B,C	.....	I	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-A	RHR Discharge A	H- 5	Dbl Strut / Clamp	F-A,B,C	.....	.....	.....	.....	.....	.....	.....	S	.....
ISI-13142-37-A	RHR Discharge A	H- 6	Strut / Clamp	F-A,B,C	.....	.....	.....	.....	.....	.....	.....	.....	S
ISI-13142-37-A	RHR Discharge A	H- 7	Dbl Spring / 4 Lugs	F-A,B,C	C 3. 20	.....	.....	S	.....	.....	.....	.....	.....
ISI-13142-37-A	RHR Discharge A	H- 8	Variable / Clamp	F-A,B,C	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-13142-37-A	RHR Discharge A	W- 1	Pipe-to-Tee	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-A	RHR Discharge A	W- 2	Tee-to-Reducer	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-A	RHR Discharge A	W- 3	Tee-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-A	RHR Discharge A	W- 4	Pipe-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-A	RHR Discharge A	W- 5	Pipe-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-A	RHR Discharge A	W- 6	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	S	.....
ISI-13142-37-A	RHR Discharge A	W- 7	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-A	RHR Discharge A	W- 8	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....

ISO	System	Item	Item Description	ASME Item Number	Notes (*=Relief Request)	Schedule							
						1993	1994		1996	1998		1999	2002
ISI-13142-37-A	RHR Discharge A	W- 9	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-A	RHR Discharge A	W-10	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-A	RHR Discharge A	W-11	Elbow-to-Pipe	C 5. 51	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-13142-37-A	RHR Discharge A	W-12	Pipe-to-Tee	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-A	RHR Discharge A	W-13	Valve-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-A	RHR Discharge A	W-14	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-A	RHR Discharge A	W-15	Pipe-to-Reducer	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-A	RHR Discharge A	W-16	Reducer-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-A	RHR Discharge A	W-17	Elbow-to-Tee	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-A	RHR Discharge A	W-18	Tee-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-A	RHR Discharge A	W-19	Pipe-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-A	RHR Discharge A	W-20	Pipe-to-Valve	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-A	RHR Discharge A	W-21	Valve-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-13142-37-A	RHR Discharge A	W-22	Elbow-to-Valve	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-B	Containment Spray	H- 1	Variable Spring	F-A,B,C	.....	.....	S	.....	.....	.....	.....	.....	.....
ISI-13142-37-B	Containment Spray	H- 2	Strut / 8 Lugs	F-A,B,C	.....	.....	S	.....	.....	.....	.....	.....	.....
ISI-13142-37-B	Containment Spray	H- 3	Strut / 8 Lugs	F-A,B,C	C 3. 20	.....	S	.....	.....	.....	.....	.....	.....
ISI-13142-37-B	Containment Spray	H- 4	Variable Spring	F-A,B,C	.....	.....	S	.....	.....	.....	.....	.....	.....
ISI-13142-37-B	Containment Spray	H- 5	Snubber / Lugs	F-A,B,C	C 3. 20	.....	.....	.....	.....	.....	.....	S	.....
ISI-13142-37-B	Containment Spray	H- 6	Dbl Spr/Clamp&Saddle	F-A,B,C	C 3. 20	.....	.....	.....	.....	.....	.....	S	.....
ISI-13142-37-B	Containment Spray	H- 7	Dbl Spring / 4 Lugs	F-A,B,C	C 3. 20	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-37-B	Containment Spray	H- 8	Strut / Clamp	F-A,B,C	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-37-B	Containment Spray	H- 9	Spring / Clamp	F-A,B,C	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-37-B	Containment Spray	H-10	Dbl Strut/Dbl Clamp	F-A,B,C	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-37-B	Containment Spray	H-11	Spring / Clamp	F-A,B,C	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-37-B	Containment Spray	H-12	Spring / Clamp	F-A,B,C	.....	.....	.....	.....	.....	.....	.....	S	.....
ISI-13142-37-B	Containment Spray	W- 1	Reducer-to-Tee	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-B	Containment Spray	W- 2	Tee-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-B	Containment Spray	W- 3	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-B	Containment Spray	W- 4	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-B	Containment Spray	W- 5	Pipe-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-B	Containment Spray	W- 6	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-B	Containment Spray	W- 7	Elbow-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-B	Containment Spray	W- 8	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-B	Containment Spray	W- 9	Pipe-to-Tee	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-B	Containment Spray	W-10	Pipe-to-Valve	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-B	Containment Spray	W-11	Tee-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-B	Containment Spray	W-12	Tee-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-B	Containment Spray	W-13	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-B	Containment Spray	W-14	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-37-B	Containment Spray	W-15	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-B	Containment Spray	W-16	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-B	Containment Spray	W-17	Pipe-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-B	Containment Spray	W-18	Pipe-to-Reducer	C 5. 51	.....	.....	.....	.....	.....	.....	.....	S	.....
ISI-13142-37-B	Containment Spray	W-19	Reducer-to-Valve	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-C	RHR Discharge A	H- 1	Spring / Clamp	F-A,B,C	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-C	RHR Discharge A	H- 2	Spring / Clamp	F-A,B,C	S
ISI-13142-37-C	RHR Discharge A	H- 3	Variable Spring	F-A,B,C	S

Third Interval
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Monticello Generating Plant
In Service Inspection Program Plan and Schedule

Reference: ASME Section XI
1986, Edition

ISO	System	Item	Item Description	ASME Item Number	Notes (* = Relief Request)	Schedule							
						1993	1994		1996	1998		1999	2002
ISI-13142-37-C	RHR Discharge A	H- 4	Dbl Strut-&-Snubber	F-A,8,C	.....	.....	.....	.....	.....	S	.....	.....	.....
ISI-13142-37-C	RHR Discharge A	H- 5	Dbl Strut / Clamp	F-A,8,C	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-13142-37-C	RHR Discharge A	W- 1	Tee-to-Pipe	C 5. 51	.....	.....	S	.....	.....	.....	.....	.....	.....
ISI-13142-37-C	RHR Discharge A	W- 2	Pipe-to-Elbow	C 5. 51	.....	S	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-C	RHR Discharge A	W- 3	Elbow-to Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-C	RHR Discharge A	W- 4	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-C	RHR Discharge A	W- 5	Elbow-to-Valve	C 5. 51	.....	I	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-C	RHR Discharge A	W- 6	Valve-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-C	RHR Discharge A	W- 7	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-C	RHR Discharge A	W- 8	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-37-C	RHR Discharge A	W- 9	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-C	RHR Discharge A	W-10	Elbow-to-Tee	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-C	RHR Discharge A	W-11	Nozzle-to-Reducer	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-C	RHR Discharge A	W-12	Reducer-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-C	RHR Discharge A	W-13	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-C	RHR Discharge A	W-14	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-C	RHR Discharge A	W-15	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-C	RHR Discharge A	W-16	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-C	RHR Discharge A	W-17	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-C	RHR Discharge A	W-18	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-C	RHR Discharge A	W-19	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-C	RHR Discharge A	W-20	Pipe-to-Valve	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-C	RHR Discharge A	W-21	Valve-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-C	RHR Discharge A	W-22	Pipe-to-Tee	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-37-C	RHR Discharge A	W-23	Tee-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-40-A	HPCI Water Side Dsch	H- 1	Spring / Clamp	F-A,8,C	.....	.....	.....	.....	.....	.....	.....	S	.....
ISI-13142-40-A	HPCI Water Side Dsch	H- 2	Box Restraint	F-A,8,C	.....	.....	.....	.....	.....	.....	.....	S	.....
ISI-13142-40-A	HPCI Water Side Dsch	H- 3	Rod Clamp	F-A,8,C	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-40-A	HPCI Water Side Dsch	H- 4	Strut / Clamp	F-A,8,C	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-40-A	HPCI Water Side Dsch	H- 5	Snubber / Clamp	F-A,8,C	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-40-A	HPCI Water Side Dsch	H- 6	Rod / Clamp	F-A,8,C	.....	I	.....	.....	.....	.....	.....	.....	.....
ISI-13142-40-A	HPCI Water Side Dsch	H- 7	Rod / Clamp	F-A,8,C	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-40-A	HPCI Water Side Dsch	H- 8	Strut Clamp	F-A,8,C	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-40-A	HPCI Water Side Dsch	H- 9	Rod Clamp	F-A,8,C	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-40-A	HPCI Water Side Dsch	H-10	Rod Clamp	F-A,8,C	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-40-A	HPCI Water Side Dsch	H-11	Rod Clamp	F-A,8,C	.....	I	.....	.....	.....	.....	.....	.....	.....
ISI-13142-40-A	HPCI Water Side Dsch	H-12	Rod Clamp	F-A,8,C	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-13142-40-A	HPCI Water Side Dsch	H-13	Strut / Clamp	F-A,8,C	.....	I	.....	.....	.....	.....	.....	.....	.....
ISI-13142-40-A	HPCI Water Side Dsch	H-14	Seismic Restraint	F-A,8,C	.....	.....	S	.....	.....	.....	.....	.....	.....
ISI-13142-40-A	HPCI Water Side Dsch	W- 1	Pump Nozzle/Red.Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-40-A	HPCI Water Side Dsch	W- 2	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-40-A	HPCI Water Side Dsch	W- 3	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-40-A	HPCI Water Side Dsch	W- 4	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-40-A	HPCI Water Side Dsch	W- 5	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-40-A	HPCI Water Side Dsch	W- 6	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-40-A	HPCI Water Side Dsch	W- 7	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-40-A	HPCI Water Side Dsch	W- 8	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-40-A	HPCI Water Side Dsch	W- 9	Pipe-to-Flange	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....

ISO	System	Item	Item Description	ASME Item Number	Notes (*=Relief Request)	Schedule								
						1993	1994		1996	1998		1999	2002	
ISI-13142-40-A	HPCI Water Side Dsch	W-10	Flange-to-Pipe	C 5. 51										
ISI-13142-40-A	HPCI Water Side Dsch	W-11	Pipe-to-Valve	C 5. 51										
ISI-13142-40-A	HPCI Water Side Dsch	W-12	Valve-to-Elbow	C 5. 51										
ISI-13142-40-A	HPCI Water Side Dsch	W-13	Elbow-to-Pipe	C 5. 51					S					
ISI-13142-40-A	HPCI Water Side Dsch	W-14	Pipe-to-Tee	C 5. 51										
ISI-13142-40-A	HPCI Water Side Dsch	W-15	Pipe-to-Valve	C 5. 51										
ISI-13142-40-A	HPCI Water Side Dsch	W-16	Reducer-to-Pipe	C 5. 51										
ISI-13142-40-A	HPCI Water Side Dsch	W-17	Tee-to-Reducer	C 5. 51										
ISI-13142-40-A	HPCI Water Side Dsch	W-18	Tee-to-Elbow	C 5. 51										
ISI-13142-40-A	HPCI Water Side Dsch	W-19	Elbow-to-Pipe	C 5. 51										
ISI-13142-40-A	HPCI Water Side Dsch	W-20	Pipe-to-Pipe	C 5. 51										
ISI-13142-40-A	HPCI Water Side Dsch	W-21	Pipe-to-Valve	C 5. 51										
ISI-13142-40-A	HPCI Water Side Dsch	W-22	Valve-to-Pipe	C 5. 51			S							
ISI-13142-40-B	HPCI Water Side Dsch	H- 1	Rod / Clamp	F-A,B,C								S		
ISI-13142-40-B	HPCI Water Side Dsch	H- 2	Strut / Clamp	F-A,B,C								S		
ISI-13142-40-B	HPCI Water Side Dsch	H- 3	Seismic Restraint	F-A,B,C								S		
ISI-13142-40-B	HPCI Water Side Dsch	H- 4	Spring / Clamp	F-A,B,C								S		
ISI-13142-40-B	HPCI Water Side Dsch	H- 5	Box Restraint	F-A,B,C				S						
ISI-13142-40-B	HPCI Water Side Dsch	H- 6	Dbl Strut / 4 Lugs	F-A,B,C	C 3. 20			S						
ISI-13142-40-B	HPCI Water Side Dsch	H- 7	Strut / Clamp	F-A,B,C				S						
ISI-13142-40-B	HPCI Water Side Dsch	H- 8	Strut / Clamp / Box	F-A,B,C				S						
ISI-13142-40-B	HPCI Water Side Dsch	H- 9	Dbl Spring / Clamp	F-A,B,C				S						
ISI-13142-40-B	HPCI Water Side Dsch	H-10	Variable Spring	F-A,B,C		I								
ISI-13142-40-B	HPCI Water Side Dsch	H-11	Strut / Clamp	F-A,B,C									S	
ISI-13142-40-B	HPCI Water Side Dsch	H-12	Strut / Clamp	F-A,B,C									S	
ISI-13142-40-B	HPCI Water Side Dsch	W- 1	Pipe-to-Elbow	C 5. 51										
ISI-13142-40-B	HPCI Water Side Dsch	W- 2	Elbow-to-Pipe	C 5. 51										
ISI-13142-40-B	HPCI Water Side Dsch	W- 3	Pipe-to-Elbow	C 5. 51										
ISI-13142-40-B	HPCI Water Side Dsch	W- 4	Elbow-to-Pipe	C 5. 51										
ISI-13142-40-B	HPCI Water Side Dsch	W- 5	Pipe-to-Elbow	C 5. 51										
ISI-13142-40-B	HPCI Water Side Dsch	W- 6	Elbow-to-Pipe	C 5. 51										
ISI-13142-40-B	HPCI Water Side Dsch	W- 7	Pipe-to-Elbow	C 5. 51										
ISI-13142-40-B	HPCI Water Side Dsch	W- 8	Elbow-to-Pipe	C 5. 51										
ISI-13142-40-B	HPCI Water Side Dsch	W- 9	Elbow-to-Pipe	C 5. 51										
ISI-13142-40-B	HPCI Water Side Dsch	W-10	Pipe-to-Elbow	C 5. 51										
ISI-13142-40-B	HPCI Water Side Dsch	W-11	Pipe-to-Elbow	C 5. 51					S					
ISI-13142-40-B	HPCI Water Side Dsch	W-12	Elbow-to-Pipe	C 5. 51										
ISI-13142-40-B	HPCI Water Side Dsch	W-13	Pipe-to-Elbow	C 5. 51										
ISI-13142-40-B	HPCI Water Side Dsch	W-14	Elbow-to-Pipe	C 5. 51										
ISI-13142-40-B	HPCI Water Side Dsch	W-15	Pipe-to-Elbow	C 5. 51										
ISI-13142-40-B	HPCI Water Side Dsch	W-16	Elbow-to-Pipe	C 5. 51										
ISI-13142-40-B	HPCI Water Side Dsch	W-17	Pipe-to-Elbow	C 5. 51										
ISI-13142-40-B	HPCI Water Side Dsch	W-18	Elbow-to-Valve	C 5. 51										
ISI-13142-40-B	HPCI Water Side Dsch	W-19	Valve-to-Pipe	C 5. 51										
ISI-13142-40-B	HPCI Water Side Dsch	W-20	Pipe-to-Elbow	C 5. 51										
ISI-13142-40-B	HPCI Water Side Dsch	W-21	Elbow-to-Pipe	C 5. 51										
ISI-13142-40-B	HPCI Water Side Dsch	W-22	Pipe-to-Elbow	C 5. 51										
ISI-13142-40-B	HPCI Water Side Dsch	W-23	Elbow-to-Pipe	C 5. 51										

Third Interval
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Monticello Generating Plant
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Reference: ASME Section XI
1986, Edition

ISO	System	Item	Item Description	ASME Item Number	Notes (* = Relief Request)	Schedule									
						1993	1994		1996	1998		1999	2002		
ISI-13142-40-B	HPCI Water Side Dsch	W-24	Pipe-to-Tee	C 5. 51										S	
ISI-13142-41-A	RCIC Water Suction	W- 1	Penetration-to-Pipe	C 5. 51						S					
ISI-13142-41-A	RCIC Water Suction	W- 2	Pipe-to-Elbow	C X. XX											
ISI-13142-41-A	RCIC Water Suction	W- 3	Elbow-to-Pipe	C X. XX											
ISI-13142-41-A	RCIC Water Suction	W- 4	Pipe-to-Elbow	C X. XX											
ISI-13142-41-A	RCIC Water Suction	W- 5	Elbow-to-Pipe	C X. XX											
ISI-13142-41-A	RCIC Water Suction	W- 6	Pipe-to-Elbow	C X. XX											
ISI-13142-41-A	RCIC Water Suction	W- 7	Elbow-to-Valve	C X. XX											
ISI-13142-41-A	RCIC Water Suction	W- 8	Valve-to-Pipe	C X. XX											
ISI-13142-41-A	RCIC Water Suction	W- 9	Pipe-to-Valve	C X. XX											
ISI-13142-41-A	RCIC Water Suction	W-10	Valve-to-Pipe	C X. XX											
ISI-13142-41-A	RCIC Water Suction	W-11	Pipe-to-Valve	C X. XX											
ISI-13142-41-A	RCIC Water Suction	W-12	Valve-to-Pipe	C X. XX											
ISI-13142-41-A	RCIC Water Suction	W-13	Pipe-to-Tee	C X. XX											
ISI-13142-41-A	RCIC Water Suction	W-14	Valve-to-Pipe	C X. XX											
ISI-13142-41-A	RCIC Water Suction	W-15	Pipe-to-Valve	C X. XX											
ISI-13142-41-A	RCIC Water Suction	W-16	Valve-to-Tee	C X. XX											
ISI-13142-41-A	RCIC Water Suction	W-17	Tee-to-Valve	C X. XX											
ISI-13142-41-A	RCIC Water Suction	W-18	Valve-to-Pipe	C X. XX											
ISI-13142-41-A	RCIC Water Suction	W-19	Valve-to-Pipe	C X. XX											
ISI-13142-41-A	RCIC Water Suction	W-20	Elbow-to-Flange	C X. XX											
ISI-13142-41-A	RCIC Water Suction	W-21	Flange-to-Pipe	C X. XX											
ISI-13142-41-A	RCIC Water Suction	W-22	Pipe-to-Flange	C X. XX											
ISI-13142-41-A	RCIC Water Suction	W-23	Flange-to-Pump	C X. XX											
ISI-13142-42-A	HPCI Steam	B- 1	Valve Bolts	B 7. 70						S					
ISI-13142-42-A	HPCI Steam	B- 2	Valve Bolts	B 7. 70			S								
ISI-13142-42-A	HPCI Steam	H- 1	Variable Spring	F-A,B,C						S					
ISI-13142-42-A	HPCI Steam	H- 2	Spring / Clamp	F-A,B,C			S								
ISI-13142-42-A	HPCI Steam	H- 3	Double Spring/4 Lugs	F-A,B,C	C 3. 20					S					
ISI-13142-42-A	HPCI Steam	H- 4	Dbl Strut./Dbl Clamp	F-A,B,C						S					
ISI-13142-42-A	HPCI Steam	H- 5	Spring / Clamp	F-A,B,C			S								
ISI-13142-42-A	HPCI Steam	H- 6	Spring / Clamp	F-A,B,C			S								
ISI-13142-42-A	HPCI Steam	H- 7	Spring / Clamp	F-A,B,C			S								
ISI-13142-42-A	HPCI Steam	H- 8	Spring / Clamp	F-A,B,C			I								
ISI-13142-42-A	HPCI Steam	H- 9	Strut / Clamp	F-A,B,C						S					
ISI-13142-42-A	HPCI Steam	H-10	Rod / Clamp	F-A,B,C						S					
ISI-13142-42-A	HPCI Steam	H-11	Snubber / Clamp	F-A,B,C						S					
ISI-13142-42-A	HPCI Steam	H-12	Box Restraint	F-A,B,C									S		
ISI-13142-42-A	HPCI Steam	H-13	Spring / Clamp	F-A,B,C									S		
ISI-13142-42-A	HPCI Steam	H-14	Spring / Clamp	F-A,B,C									S		
ISI-13142-42-A	HPCI Steam	V- 1	Valve Internals	B12. 50	HH ; *4 ;										
ISI-13142-42-A	HPCI Steam	V- 2	Valve Internals	B12. 50	HH ; *4 ;										
ISI-13142-42-A	HPCI Steam	W- 1	Sweep-O-Let / Elbow	B 9. 11											
ISI-13142-42-A	HPCI Steam	W- 2	Elbow-to-Pipe	B 9. 11								S			
ISI-13142-42-A	HPCI Steam	W- 3	Pipe-to-Pipe	B 9. 11	CC ;							S			
ISI-13142-42-A	HPCI Steam	W- 4	Pipe-to-Pipe	B 9. 11	CC ;							S			
ISI-13142-42-A	HPCI Steam	W- 5	Pipe-to-Valve	B 9. 11											
ISI-13142-42-A	HPCI Steam	W- 6	Valve-to-Pipe	B 9. 11											

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Summary

Monticello Generating Plant
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Reference: ASME Section XI
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ISO	System	Item	Item Description	ASME Item Number	Notes (* = Relief Request)	Schedule							
						1993	1994		1996	1998		1999	2002
ISI-13142-42-A	HPCI Steam	W- 7	Pipe-to-Elbow	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W- 8	Elbow-to-Pipe	B 9. 11	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W- 9	Pipe-to-Elbow	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W-10	Elbow-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W-11	Pipe-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W-12	Pipe-to-Elbow	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W-13	Elbow-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W-14	Pipe-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W-15	Pipe-to-Pipe	B 9. 11	DD ; .....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W-16	Pipe-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	S	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W-17	Pipe-to-Valve	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W-18	Valve-to-Tee	C 5. 51	.....	S	.....	.....	.....	.....	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W-19	Tee-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W-20	Pipe-to-Cap	C 5. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W-21	Tee-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W-22	Pipe-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W-23	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W-24	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W-25	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W-26	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W-27	Pipe-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W-28	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W-29	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W-30	Pipe-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W-31	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W-32	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W-33	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W-34	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W-35	Pipe-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W-36	Pipe-to-Elbow	C 5. 51	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W-37	Elbow-to-Pipe	C 5. 51	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W-38	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W-39	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W-40	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W-41	Elbow-to-Tee	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W-42	Tee-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W-43	Pipe-to-Cap	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W-44	Tee-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W-45	Pipe-to-Valve	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W-46	Valve-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W-47	Pipe-to-Reducer Elb	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-42-A	HPCI Steam	W-48	Red. El-to-Flange	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-43-A	RCIC Steam	H- 1	Variable Spring	F-A,B,C	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-43-A	RCIC Steam	H- 2	Strut / Clamp	F-A,B,C	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-43-A	RCIC Steam	W- 1	Sweep-O-Let-to-Elbow	B 9. 21	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-43-A	RCIC Steam	W- 2	Elbow-to-Pipe	B 9. 21	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-43-A	RCIC Steam	W- 3	Pipe-to-Valve	B 9. 21	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-43-A	RCIC Steam	W- 4	Valve-to-Elbow	B 9. 21	.....	.....	.....	.....	.....	.....	.....	.....	.....

ISO	System	Item	Item Description	ASME Item Number	Notes (* = Relief Request)	Schedule							
						1993	1994		1996	1998		1999	2002
ISI-13142-48-B	RHR Service Water	W-10	Elbow-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-48-B	RHR Service Water	W-11	Pipe-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-48-B	RHR Service Water	W-12	Elbow-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-48-B	RHR Service Water	W-13	Pipe-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-48-B	RHR Service Water	W-14	Elbow-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-48-B	RHR Service Water	W-15	Pipe-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-48-B	RHR Service Water	W-16	Elbow-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-48-B	RHR Service Water	W-17	Pipe-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-48-B	RHR Service Water	W-18	Elbow-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-49-A	RHR Suction A	H- 1	Spring / Clamp	F-A,B,C	.....	.....	.....	.....	.....	.....	.....	S	.....
ISI-13142-49-A	RHR Suction A	H- 2	Dbl Spring / Tee	F-A,B,C	.....	.....	.....	.....	.....	.....	.....	S	.....
ISI-13142-49-A	RHR Suction A	H- 3	Dbl Strut/Dbl Clamp	F-A,B,C	.....	.....	.....	.....	.....	.....	.....	S	.....
ISI-13142-49-A	RHR Suction A	H- 4	Snubber / Clamp	F-A,B,C	.....	S	.....	.....	.....	.....	.....	.....	.....
ISI-13142-49-A	RHR Suction A	H- 5	Spring / Clamp	F-A,B,C	.....	I	.....	.....	.....	.....	.....	.....	.....
ISI-13142-49-A	RHR Suction B	H- 6	Spring / Clamp	F-A,B,C	.....	I	.....	.....	.....	.....	.....	.....	.....
ISI-13142-49-A	RHR Suction B	H- 7	Dbl Strut/Dbl Strut	F-A,B,C	.....	S	.....	.....	.....	.....	.....	.....	.....
ISI-13142-49-A	RHR Suction B	H- 8	Spring / Clamp	F-A,B,C	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-49-A	RHR Suction B	H- 9	Clamp	F-A,B,C	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-49-A	RHR Suction B	H-10	Snubber / Clamp	F-A,B,C	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-49-A	RHR Suction B	H-11	Slide	F-A,B,C	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-49-A	RHR Suction A	W- 1	Valve-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-49-A	RHR Suction A	W- 2	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-49-A	RHR Suction A	W- 3	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-49-A	RHR Suction A	W- 4	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-49-A	RHR Suction A	W- 5	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-49-A	RHR Suction A	W- 6	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-49-A	RHR Suction A	W- 7	Pipe-to-Branch	C 5. 81	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-49-A	RHR Suction A	W- 8	Pipe-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-49-A	RHR Suction A	W- 9	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-49-A	RHR Suction A	W-10	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-49-A	RHR Suction A	W-11	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-49-A	RHR Suction A	W-12	Elbow-to-Tee	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-49-A	RHR Suction A	W-13	Tee-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-49-A	RHR Suction A	W-14	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-49-A	RHR Suction A	W-15	Elbow-to-Pipe	C 5. 51	.....	S	.....	.....	.....	.....	.....	.....	.....
ISI-13142-49-A	RHR Suction B	W-16	Tee-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	S	.....
ISI-13142-49-A	RHR Suction B	W-17	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-49-A	RHR Suction B	W-18	Pipe-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-49-A	RHR Suction B	W-19	Pipe-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-49-A	RHR Suction B	W-20	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-49-A	RHR Suction B	W-21	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-49-A	RHR Suction B	W-22	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-49-A	RHR Suction B	W-23	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-49-A	RHR Suction B	W-24	Pipe-to-Valve	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-51-A	RHR Discharge A	H- 1	Snubber / Dbl Strut	F-A,B,C	.....	S	.....	.....	.....	.....	.....	.....	.....
ISI-13142-51-A	RHR Discharge A	W- 1	Pump-to-Reducer	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-51-A	RHR Discharge A	W- 2	Reducer-to-Valve	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-51-A	RHR Discharge A	W- 3	Valve-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....

ISO	System	Item	Item Description	ASME Item Number	Notes (*=Relief Request)	Schedule							
						1993	1994		1996	1998		1999	2002
ISI-13142-51-A	RHR Discharge A	W- 4	Elbow-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-51-A	RHR Discharge A	W- 5	Elbow-to-Valve	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-51-A	RHR Discharge A	W- 6	Valve-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-51-A	RHR Discharge A	W- 7	Pipe-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-51-A	RHR Discharge A	W- 8	Elbow-to-Reducer	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-51-A	RHR Discharge A	W- 9	Reducer-to-Tee	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-51-A	RHR Discharge A	W-10	Pump-to-Reducer	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-51-A	RHR Discharge A	W-11	Reducer-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-51-A	RHR Discharge A	W-12	Elbow-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-51-A	RHR Discharge A	W-13	Pipe-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-51-A	RHR Discharge A	W-14	Elbow-to-Valve	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-51-A	RHR Discharge A	W-15	Valve-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-51-A	RHR Discharge A	W-16	Pipe-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-51-A	RHR Discharge A	W-17	Elbow-to-Valve	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-51-A	RHR Discharge A	W-18	Valve-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-51-A	RHR Discharge A	W-19	Pipe-to-Tee	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-51-A	RHR Discharge A	W-20	Tee-to-Pipe	C 5. 51	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-51-A	RHR Discharge A	W-21	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-51-A	RHR Discharge A	W-22	Elbow-to-Tee	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-51-A	RHR Discharge A	W-23	Tee-to-Valve	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-51-A	RHR Discharge A	W-24	Valve-to-Reducer	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-51-A	RHR Discharge A	W-25	Reducer-to-Nozzle	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-51-B	Containment Spray	H- 1	Strut / Clamp	F-A,B,C	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-51-B	Containment Spray	H- 2	Dbl Spring / 4 Lugs	F-A,B,C	C 3. 20	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-51-B	Containment Spray	H- 3	Dbl Spring / Clamp	F-A,B,C	.....	I	.....	.....	.....	.....	.....	.....	.....
ISI-13142-51-B	Containment Spray	H- 4	Strut / Clamp	F-A,B,C	.....	.....	S	.....	.....	.....	.....	.....	.....
ISI-13142-51-B	Containment Spray	H- 5	Dbl Strut/Dbl Clamp	F-A,B,C	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-51-B	Containment Spray	H- 6	Spring / Clamp	F-A,B,C	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-51-B	Containment Spray	H- 7	Spring / Clamp	F-A,B,C	.....	.....	.....	.....	.....	S	.....	.....	.....
ISI-13142-51-B	Containment Spray	H- 8	Strut / Clamp	F-A,B,C	.....	.....	.....	.....	.....	S	.....	.....	.....
ISI-13142-51-B	Containment Spray	W- 1	Reducer to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-51-B	Containment Spray	W- 2	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-51-B	Containment Spray	W- 3	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-51-B	Containment Spray	W- 4	Pipe-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-51-B	Containment Spray	W- 5	Pipe-to-elbow	C 5. 16	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-51-B	Containment Spray	W- 6	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-51-B	Containment Spray	W- 7	Pipe-to-Elbow	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-51-B	Containment Spray	W- 8	Elbow-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-51-B	Containment Spray	W- 9	Pipe-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-51-B	Containment Spray	W-10	Pipe-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-51-B	Containment Spray	W-11	Pipe-to-Tee	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-51-B	Containment Spray	W-12	Tee-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-13142-51-B	Containment Spray	W-13	Pipe-to-Reducer	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-51-B	Containment Spray	W-14	Reducer-to-Valve	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-51-B	Containment Spray	W-15	Tee-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-51-B	Containment Spray	W-16	Pipe-to-Valve	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-52-A	Feedwater	B- 1	Valve Bolts	B 7. 70	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-52-A	Feedwater	B- 2	Valve Bolts	B 7. 70	.....	.....	.....	.....	S	.....	.....	.....	.....

ISO	System	Item	Item Description	ASME Item Number	Notes (* = Relief Request)	Schedule								
						1993	1994		1996	1998		1999	2002	
ISI-13142-52-A	Feedwater	B- 3	Valve Bolts	B 7. 70	.....				S					
ISI-13142-52-A	Feedwater	H- 1	Spring-to-Clamp	F-A,B,C	.....				S					
ISI-13142-52-A	Feedwater	H- 2	Variable / Spring	F-A,B,C	.....		S							
ISI-13142-52-A	Feedwater	H- 3	Double Spring/4 Lugs	B10. 10	F-A,B,C	.....	S							
ISI-13142-52-A	Feedwater	H- 4	Snubber / Clamp	F-A,B,C	.....		S							
ISI-13142-52-A	Feedwater	H- 5	Spring / Clamp	F-A,B,C	.....							S		
ISI-13142-52-A	Feedwater	H- 6	Spring / Clamp	F-A,B,C	.....							S		
ISI-13142-52-A	Feedwater	H- 7	Snubber / Clamp	F-A,B,C	.....							S		
ISI-13142-52-A	Feedwater	H- 8	Double Spring/4 Lugs	F-A,B,C	B10. 10	.....						S		
ISI-13142-52-A	Feedwater	V- 1	Valve Internals	B12. 50	GG ;*4 ;	.....							
ISI-13142-52-A	Feedwater	V- 2	Valve Internals	B12. 50	HH ;*4 ;	.....							
ISI-13142-52-A	Feedwater	V- 3	Valve Internals	B12. 50	GG ;*4 ;	.....							
ISI-13142-52-A	Feedwater	W- 1	Valve-to-Tee	C 5. 51	.....				S					
ISI-13142-52-A	Feedwater	W- 2	Tee-to-Pipe	C 5. 51	.....								
ISI-13142-52-A	Feedwater	W- 3	Pipe-to-Pipe	C 5. 51	.....				S					
ISI-13142-52-A	Feedwater	W- 4	Valve-to-Pipe	C 5. 51	.....								
ISI-13142-52-A	Feedwater	W- 5	Valve-to-Pipe	B 9. 11	.....								
ISI-13142-52-A	Feedwater	W- 6	Pipe-to-Pipe	B 9. 11	DD ;	.....						S		
ISI-13142-52-A	Feedwater	W- 7	Pipe-to-Pipe	B 9. 11	.....								
ISI-13142-52-A	Feedwater	W- 8	Pipe-to-Valve	B 9. 11	.....								
ISI-13142-52-A	Feedwater	W- 9	Valve-to-Elbow	B 9. 11	.....				S					
ISI-13142-52-A	Feedwater	W-10	Elbow-to-Valve	B 9. 11	.....				S					
ISI-13142-52-A	Feedwater	W-11	Valve-to-Pipe	B 9. 11	.....								
ISI-13142-52-A	Feedwater	W-12	Pipe-to-Elbow	B 9. 11	.....								
ISI-13142-52-A	Feedwater	W-13	Elbow-to-Pipe	B 9. 11	.....								
ISI-13142-52-A	Feedwater	W-14	Pipe-to-Tee	B 9. 11	.....								
ISI-13142-52-A	Feedwater	W-15	Tee-to-Elbow	B 9. 11	.....								
ISI-13142-52-A	Feedwater	W-16	Elbow-to-Pipe	B 9. 11	.....								
ISI-13142-52-A	Feedwater	W-17	Pipe-to-Elbow	B 9. 11	.....								
ISI-13142-52-A	Feedwater	W-18	Elbow-to-Pipe	B 9. 11	.....								
ISI-13142-52-A	Feedwater	W-19	Pipe-to-Pipe	B 9. 11	.....								
ISI-13142-52-A	Feedwater	W-20	Pipe-to-Pipe	B 9. 11	.....								
ISI-13142-52-A	Feedwater	W-21	Pipe-to-Elbow	B 9. 11	.....		S							
ISI-13142-52-A	Feedwater	W-22	Elbow-to-Pipe	B 9. 11	.....		S							
ISI-13142-52-A	Feedwater	W-23	Pipe-to-Safe End	B 9. 11	.....		S							
ISI-13142-52-A	Feedwater	W-24	New S.E.-to-Old S.E.	B 9. 11	.....		S							
ISI-13142-52-A	Feedwater	W-25	Safe End-to-Nozzle	B 9. 11	.....		S							
ISI-13142-52-A	Feedwater	W-26	Tee-to-Reducer	B 9. 11	.....								
ISI-13142-52-A	Feedwater	W-27	Reducer-to-Pipe	B 9. 11	.....								
ISI-13142-52-A	Feedwater	W-28	Pipe-to-Pipe	B 9. 11	.....								
ISI-13142-52-A	Feedwater	W-29	Pipe-to-Elbow	B 9. 11	.....								
ISI-13142-52-A	Feedwater	W-30	Elbow-to-Elbow	B 9. 11	.....								
ISI-13142-52-A	Feedwater	W-31	Elbow-to-Pipe	B 9. 11	.....								
ISI-13142-52-A	Feedwater	W-32	Pipe-to-Elbow	B 9. 11	.....								
ISI-13142-52-A	Feedwater	W-33	Elbow-to-Pipe	B 9. 11	.....								
ISI-13142-52-A	Feedwater	W-34	Pipe-to-Pipe	B 9. 11	.....								
ISI-13142-52-A	Feedwater	W-35	Pipe-to-Elbow	B 9. 11									
ISI-13142-52-A	Feedwater	W-36	Elbow-to-Pipe	B 9. 11									

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Monticello Generating Plant
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Reference: ASME Section XI
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ISO	System	Item	Item Description	ASME Item Number	Notes (* = Relief Request)	Schedule							
						1993	1994		1996	1998		1999	2002
ISI-13142-52-A	Feedwater	W-37	Pipe-to-New Safe End	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-52-A	Feedwater	W-38	New S.E.-to-Old S.E.	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-52-A	Feedwater	W-39	Safe End-to-Nozzle	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	B- 1	Valve Bolts	B 7. 70	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	B- 2	Valve Bolts	B 7. 70	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	B- 3	Valve Bolts	B 7. 70	.....	.....	.....	.....	.....	.....	.....	S	.....
ISI-13142-53-A	Feedwater	H- 1	Spring	F-A,B,C	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	H- 2	Variable / Spring	F-A,B,C	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	H- 3	Double Spring/4 Lugs	F-A,B,C B10. 10	.....	.....	.....	.....	.....	.....	.....	S	.....
ISI-13142-53-A	Feedwater	H- 4	Snubber / Clamp	F-A,B,C	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	H- 5	Snubber / Clamp	F-A,B,C	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	H- 6	Spring / Clamp	F-A,B,C	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	H- 7	Snubber / Clamp	F-A,B,C	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	H- 8	Double Spring/4 Lugs	F-A,B,C B10. 10	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	V- 1	Valve Internals	B12. 50	HH ;*4 ;	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	V- 2	Valve Internals	B12. 50	GG ;*4 ;	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	V- 3	Valve Internals	B12. 50	GG ;*4 ;	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	W- 1	Valve-to-Tee	C 5. 51	.....	.....	.....	.....	.....	.....	.....	S	.....
ISI-13142-53-A	Feedwater	W- 2	Tee-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	S	.....
ISI-13142-53-A	Feedwater	W- 3	Pipe-to-Pipe	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	W- 4	Pipe-to-Valve	C 5. 51	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	W- 5	Valve-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	W- 6	Pipe-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	S	.....
ISI-13142-53-A	Feedwater	W- 7	Pipe-to-Pipe	B 9. 11	DD ;	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	W- 8	Pipe-to-Valve	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	W- 9	Valve-to-Elbow	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	W-10	Elbow-to-Valve	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	W-11	Valve-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	W-12	Pipe-to-Elbow	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	W-13	Elbow-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	W-14	Pipe-to-Tee	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	W-15	Tee-to-Elbow	B 9. 11	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	W-16	Elbow-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	W-17	Pipe-to-Elbow	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	W-18	Elbow-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	S	.....
ISI-13142-53-A	Feedwater	W-19	Pipe-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	W-20	Pipe-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	W-21	Pipe-to-Elbow	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	W-22	Elbow-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	S	.....
ISI-13142-53-A	Feedwater	W-23	Pipe-to-Safe End	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	W-24	New SafeEnd/Safe End	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	W-25	Safe End-to-Nozzle	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	W-26	Tee-to-Reducer	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	W-27	Reducer-to-Pipe	B 9. 11	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	W-28	Pipe-to-Pipe	B 9. 11	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	W-29	Pipe-to-Elbow	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	W-30	Elbow-to-Elbow	B 9. 11
ISI-13142-53-A	Feedwater	W-31	Elbow-to-Pipe	B 9. 11

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Monticello Generating Plant
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ISO	System	Item	Item Description	ASME Item Number	Notes (*=Relief Request)	Schedule							
						1993	1994		1996	1998		1999	2002
ISI-13142-53-A	Feedwater	W-32	Pipe-to-Elbow	B 9. 11	.....	.....	S	.....	.....	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	W-33	Elbow-to-Pipe	B 9. 11	.....	.....	S	.....	.....	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	W-34	Pipe-to-Pipe	B 9. 11	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	W-35	Pipe-to-Elbow	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	W-36	Elbow-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	W-37	Pipe-to-New Safe End	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	W-38	New S.E.-to- S.E.	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-53-A	Feedwater	W-39	Safe End-to-Nozzle	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-62	FP Emergency Cooling	W- 1	Valve-to-Flange	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-62	FP Emergency Cooling	W- 2	Flange-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-62	FP Emergency Cooling	W- 3	Elbow-to-Flange	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-62	FP Emergency Cooling	W- 4	Flange-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-62	FP Emergency Cooling	W- 5	Pipe-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-62	FP Emergency Cooling	W- 6	Elbow-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-62	FP Emergency Cooling	W- 7	Pipe-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-62	FP Emergency Cooling	W- 8	Elbow-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-62	FP Emergency Cooling	W- 9	Pipe-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-62	FP Emergency Cooling	W-10	Elbow-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-62	FP Emergency Cooling	W-11	Pipe-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-62	FP Emergency Cooling	W-12	Elbow-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-62	FP Emergency Cooling	W-13	Pipe-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-62	FP Emergency Cooling	W-14	Elbow-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-62	FP Emergency Cooling	W-15	Pipe-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-62	FP Emergency Cooling	W-16	Pipe-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-62	FP Emergency Cooling	W-17	Elbow-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-62	FP Emergency Cooling	W-18	Elbow-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-62	FP Emergency Cooling	W-19	Pipe-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-62	FP Emergency Cooling	W-20	Elbow-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-62	FP Emergency Cooling	W-21	Pipe-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-62	FP Emergency Cooling	W-22	Elbow-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-62	FP Emergency Cooling	W-23	Pipe-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-62	FP Emergency Cooling	W-24	Pipe-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-62	FP Emergency Cooling	W-25	Elbow-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-67	FP Emergency Cooling	W- 1	Valve-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-67	FP Emergency Cooling	W- 2	Pipe-to-Flange	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-67	FP Emergency Cooling	W- 4	Elbow-to-Flange	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-67	FP Emergency Cooling	W- 5	Flange-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-67	FP Emergency Cooling	W- 6	Pipe-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-67	FP Emergency Cooling	W- 7	Elbow-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-67	FP Emergency Cooling	W- 8	Pipe-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-67	FP Emergency Cooling	W- 9	Elbow-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-67	FP Emergency Cooling	W-10	Pipe-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-67	FP Emergency Cooling	W-11	Elbow-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-67	FP Emergency Cooling	W-12	Pipe-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-67	FP Emergency Cooling	W-13	Pipe-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-67	FP Emergency Cooling	W-14	Elbow-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-67	FP Emergency Cooling	W-15	Pipe-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-13142-67	FP Emergency Cooling	W-16	Elbow-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....

Third Interval
Summary

Monticello Generating Plant
In Service Inspection Program Plan and Schedule

Reference: ASME Section XI
1986, Edition

ISO	System	Item	Item Description	ASME Item Number	Notes (* = Relief Request)	Schedule								
						1993	1994		1996	1998		1999	2002	
ISI-13142-67	FP Emergency Cooling	W-17	Pipe-to-Elbow	C X. XX										
ISI-13142-67	FP Emergency Cooling	W-18	Elbow-to-Pipe	C X. XX										
ISI-13142-67	FP Emergency Cooling	W-19	Pipe-to-Elbow	C X. XX										
ISI-13142-67	FP Emergency Cooling	W-20	Elbow-to-Pipe	C X. XX										
ISI-13142-67	FP Emergency Cooling	W-21	Pipe-to-Elbow	C X. XX										
ISI-13142-67	FP Emergency Cooling	W-22	Elbow-to-Pipe	C X. XX										
ISI-13142-67	FP Emergency Cooling	W-23	Pipe-to-Elbow	C X. XX										
ISI-13142-67	FP Emergency Cooling	W-24	Elbow-to-Pipe	C X. XX										
ISI-13142-67	FP Emergency Cooling	W-25	Pipe-to-Elbow	C X. XX										
ISI-13142-67	FP Emergency Cooling	W-26	Elbow-to-Pipe	C X. XX										
ISI-13142-67	FP Emergency Cooling	W-27	Pipe-to-Pipe	C X. XX										
ISI-13142-67	FP Emergency Cooling	W-28	Pipe-to-Weld-0-Let	C X. XX										
ISI-73880-A	Reactor Wtr Cleanup	H- 1	Spring / Clamp	F-A,B,C				S						
ISI-73880-A	Reactor Wtr Cleanup	H- 2	Box Restraint	F-A,B,C				S						
ISI-73880-A	Reactor Wtr Cleanup	H- 3	Double Spring\4 Lugs	F-A,B,C			S							
ISI-73880-A	Reactor Wtr Cleanup	W- 1 LS U&D	Branch-to-Pipe	B 9. 10										
ISI-73880-A	Reactor Wtr Cleanup	W- 2 LS D	Pipe-to-Elbow	B 9. 10	CC ;							S		
ISI-73880-A	Reactor Wtr Cleanup	W- 3 LS U	Elbow-to-Pipe	B 9. 10										
ISI-73880-A	Reactor Wtr Cleanup	W- 4 LS D	Pipe-to-Elbow	B 9. 10								S		
ISI-73880-A	Reactor Wtr Cleanup	W- 5 LS U	Elbow-to-Pipe	B 9. 10										
ISI-73880-A	Reactor Wtr Cleanup	W- 6 LS D	Pipe-to-Elbow	B 9. 10										
ISI-73880-A	Reactor Wtr Cleanup	W- 7	Elbow-to-Valve	B 9. 11										
ISI-73880-A	Reactor Wtr Cleanup	W- 8	Valve-to-Pipe	B 9. 11										
ISI-73880-A	Reactor Wtr Cleanup	W- 9	Branch-to-Pipe	B 9. 32				S						
ISI-73880-A	Reactor Wtr Cleanup	W-10	Pipe-to-Elbow	B 9. 11										
ISI-73880-A	Reactor Wtr Cleanup	W-11 LS U	Elbow-to-Pipe	B 9. 10				S						
ISI-73880-A	Reactor Wtr Cleanup	W-12 LS D	Pipe-to-Elbow	B 9. 10				S						
ISI-73880-A	Reactor Wtr Cleanup	W-13 LS U	Elbow-to-Pipe	B 9. 10										
ISI-73880-A	Reactor Wtr Cleanup	W-14 LS U&D	Pipe-to-Pipe	B 9. 10										
ISI-73880-A	Reactor Wtr Cleanup	W-15 LS D	Pipe-to-Elbow	B 9. 10										
ISI-73880-A	Reactor Wtr Cleanup	W-16 LS U	Elbow-to-Pipe	B 9. 10										
ISI-73880-A	Reactor Wtr Cleanup	W-17 LS D	Pipe-to-Valve	B 9. 10										
ISI-73880-A	Reactor Wtr Cleanup	W-18 LS U	Valve-to-Pipe	B 9. 10										
ISI-73880-A	Reactor Wtr Cleanup	W-19 LS D	Pipe-to-Elbow	B 9. 10										
ISI-73880-A	Reactor Wtr Cleanup	W-20	Elbow-to-Pipe	B 9. 11										
ISI-73880-A	Reactor Wtr Cleanup	W-21	Pipe-to-Elbow	B 9. 11										
ISI-73880-A	Reactor Wtr Cleanup	W-22	Pipe-to-Valve	B 9. 11			S							
ISI-73880-A	Reactor Wtr Cleanup	W-23	Valve-to-Pipe	B 9. 11			S							
ISI-73880-A	Reactor Wtr Cleanup	W-24	Pipe-to-Pipe	B 9. 11	DD ;									
ISI-73880-A	Reactor Wtr Cleanup	W-25	Pipe-to-Pipe	B 9. 11									S	
ISI-73880-A	Reactor Wtr Cleanup	W-26	Pipe-to-Valve	B 9. 11										
ISI-74209-1-A	Recirc Drain Lines	B- 1	Flange Bolting	B 7. 50									S	
ISI-74209-1-A	Recirc A Drain Line	W- 1	Hf Coupling-to-Pipe	B 9. 40										
ISI-74209-1-A	Recirc A Drain Line	W- 2	Pipe-to-Elbow	B 9. 40										
ISI-74209-1-A	Recirc A Drain Line	W- 3	Elbow-to-Pipe	B 9. 40										
ISI-74209-1-A	Recirc A Drain Line	W- 4	Pipe-to-Elbow	B 9. 40										
ISI-74209-1-A	Recirc A Drain Line	W- 5	Elbow-to-Pipe	B 9. 40										
ISI-74209-1-A	Recirc A Drain Line	W- 6	Pipe-to-Tee	B 9. 40										

ISO	System	Item	Item Description	ASME Item Number	Notes (*=Relief Request)	Schedule								
						1993	1994		1996	1998		1999	2002	
ISI-74209-1-A	Recirc A Drain Line	W- 7	Tee-to-Pipe	B 9. 40	.....		S							
ISI-74209-1-A	Recirc A Drain Line	W- 8	Pipe-to-Valve	B 9. 40	.....		S							
ISI-74209-1-A	Recirc A Drain Line	W- 9	Valve-to-Pipe	B 9. 40	.....								
ISI-74209-1-A	Recirc A Drain Line	W-10	Pipe-to-Elbow	B 9. 40	.....								
ISI-74209-1-A	Recirc A Drain Line	W-11	Elbow-to-Pipe	B 9. 40	.....								S	
ISI-74209-1-A	Recirc A Drain Line	W-12	Pipe-to-Tee	B 9. 40	.....								S	
ISI-74209-1-A	Recirc A Drain Line	W-13	Tee-to-Flange	B 9. 40	.....								
ISI-74209-1-A	Recirc A Drain Line	W-14	Tee-to-Pipe	B 9. 40	.....								
ISI-74209-1-A	Recirc A Drain Line	W-15	Pipe-to-Valve	B 9. 40	.....								
ISI-74210-1-A	Recirc Drain Lines	B- 1	Flange Bolting	B 7. 50	.....					S				
ISI-74210-1-A	Recirc B Drain Line	W- 1	Hf Coupling-to-Pipe	B 9. 40	.....					S				
ISI-74210-1-A	Recirc B Drain Line	W- 2	Pipe-to-Elbow	B 9. 40	.....								
ISI-74210-1-A	Recirc B Drain Line	W- 3	Elbow-to-Pipe	B 9. 40	.....					S				
ISI-74210-1-A	Recirc B Drain Line	W- 4	Pipe-to-Tee	B 9. 40	.....								
ISI-74210-1-A	Recirc B Drain Line	W- 5	Tee-to-Pipe	B 9. 40	.....								
ISI-74210-1-A	Recirc B Drain Line	W- 6	Pipe-to-Valve	B 9. 40	.....								
ISI-74210-1-A	Recirc B Drain Line	W- 7	Valve-to-Pipe	B 9. 40	.....								
ISI-74210-1-A	Recirc B Drain Line	W- 8	Pipe-to-Tee	B 9. 40	.....								
ISI-74210-1-A	Recirc B Drain Line	W- 9	Tee-to-Flange	B 9. 40	.....					S				
ISI-74210-1-A	Recirc B Drain Line	W-10	Tee-to-Pipe	B 9. 40	.....								
ISI-74210-1-A	Recirc B Drain Line	W-11	Pipe-to-Valve	B 9. 40	.....								
ISI-74215-A	Standby Liquid Cntrl	H- 1	Box Restraint	F-A,B,C	.....		S							
ISI-74215-A	Standby Liquid Cntrl	H- 2	Box Restraint	F-A,B,C	.....					S				
ISI-74215-A	Standby Liquid Cntrl	H- 3	Box Restrsint	F-A,B,C	.....					S				
ISI-74215-A	Standby Liquid Cntrl	H- 4	Box Restraint	F-A,B,C	.....					S				
ISI-74215-A	Standby Liquid Cntrl	W- 1	Valve-to-Pipe	B 9. 40	.....							S		
ISI-74215-A	Standby Liquid Cntrl	W- 2	Pipe-to-Tee	B 9. 40	.....								
ISI-74215-A	Standby Liquid Cntrl	W- 3	Tee-to-Reducer	B 9. 40	.....								
ISI-74215-A	Standby Liquid Cntrl	W- 4	Tee-to-Pipe	B 9. 40	.....								
ISI-74215-A	Standby Liquid Cntrl	W- 5	Pipe-to-Elbow	B 9. 40	.....							S		
ISI-74215-A	Standby Liquid Cntrl	W- 6	Elbow-to-Pipe	B 9. 40	.....								
ISI-74215-A	Standby Liquid Cntrl	W- 7	Pipe-to-Head Fitting	B 9. 40	.....		S							
ISI-74215-A	Standby Liquid Cntrl	W- 8	Head Fitting-to-Pipe	B 9. 40	DD ;									
ISI-74215-A	Standby Liquid Cntrl	W- 9	Pipe-to-Tee	B 9. 40	.....								
ISI-74215-A	Standby Liquid Cntrl	W-10	Tee-to-Pipe	B 9. 40	.....								
ISI-74215-A	Standby Liquid Cntrl	W-11	Pipe-to-Valve	B 9. 40	.....								S	
ISI-74215-A	Standby Liquid Cntrl	W-12	Valve-to-Pipe	B 9. 40	.....								S	
ISI-74215-A	Standby Liquid Cntrl	W-13	Pipe-to-Tee	B 9. 40	.....								
ISI-74215-A	Standby Liquid Cntrl	W-14	Tee-to-Pipe	B 9. 40	.....								
ISI-74215-A	Standby Liquid Cntrl	W-15	Pipe-to-Valve	B 9. 40	.....		S							
ISI-74215-A	Standby Liquid Cntrl	W-16	Valve-to-Pipe	B 9. 40	.....								
ISI-74215-A	Standby Liquid Cntrl	W-17	Pipe-to-Elbow	B 9. 40	.....								
ISI-74215-A	Standby Liquid Cntrl	W-18	Elbow-to-Pipe	B 9. 40	.....					S				
ISI-74215-A	Standby Liquid Cntrl	W-19	Pipe-to-Elbow	B 9. 40	.....					S				
ISI-74215-A	Standby Liquid Cntrl	W-20	Elbow-to-Pipe	B 9. 40	.....								
ISI-74215-A	Standby Liquid Cntrl	W-21	Pipe-to-Elbow	B 9. 40	.....								
ISI-74215-A	Standby Liquid Cntrl	W-22	Elbow-to-Pipe	B 9. 21	.....								
ISI-74215-A	Standby Liquid Cntrl	W-23	Pipe-to-Tee	B 9. 40									

Third Interval
Summary

Monticello Generating Plant
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Reference: ASME Section XI
1986, Edition

ISO	System	Item	Item Description	ASME Item Number	Notes (*=Relief Request)	Schedule								
						1993	1994		1996	1998		1999	2002	
ISI-74215-A	Standby Liquid Cntrl	W-24	Tee-to-Pipe	B 9. 40	.....								
ISI-74215-A	Standby Liquid Cntrl	W-25	Pipe-to-Reducer	B 9. 40	.....								
ISI-74215-A	Standby Liquid Cntrl	W-26	Tee-to-Pipe	B 9. 40	.....								
ISI-74215-A	Standby Liquid Cntrl	W-27	Pipe-to-Tee	B 9. 40	.....								
ISI-74215-A	Standby Liquid Cntrl	W-28	Tee-to-Pipe	B 9. 40	.....								
ISI-74215-A	Standby Liquid Cntrl	W-29	Pipe-to-Reducer	B 9. 40	.....								
ISI-74215-A	Standby Liquid Cntrl	W-30	Tee-to-Pipe	B 9. 40	.....								
ISI-74215-A	Standby Liquid Cntrl	W-31	Pipe-to-Coupling	B 9. 40	.....								
ISI-74215-A	Standby Liquid Cntrl	W-32	Coupling-to-Tee	B 9. 21	.....								
ISI-74215-A	Standby Liquid Cntrl	W-33	Tee-to-Coupling	B 9. 21	.....								
ISI-74215-A	Standby Liquid Cntrl	W-34	Tee-to-Safe End	B 9. 21	.....							S		
ISI-74215-A	Standby Liquid Cntrl	W-35	Safe End-to-Nozzle	B 5. 20	CC ;							S		
ISI-782-A	Head Vent	H- 1	Hanger	F-A,B,C	.....		S							
ISI-782-A	Head Vent	H- 2	Hanger	F-A,B,C	.....								S	
ISI-782-A	Head Vent	W- 1	Flange-to-Pipe	B 9. 40	.....								
ISI-782-A	Head Vent	W- 2	Pipe-to-Elbow	B 9. 40	.....								
ISI-782-A	Head Vent	W- 3	Elbow-to-Pipe	B 9. 40	.....								
ISI-782-A	Head Vent	W- 4	Pipe-to-Elbow	B 9. 40	.....								
ISI-782-A	Head Vent	W- 5	Elbow-to-Pipe	B 9. 40	.....								S	
ISI-782-A	Head Vent	W- 6	Pipe-to-Coupling	B 9. 40	.....								
ISI-782-A	Head Vent	W- 7	Coupling-to-Pipe	B 9. 40	.....								
ISI-782-A	Head Vent	W- 8	Pipe-to-Elbow	B 9. 40	.....								
ISI-782-A	Head Vent	W- 9	Elbow-to-Pipe	B 9. 40	.....								
ISI-782-A	Head Vent	W-10	Pipe-to-Elbow	B 9. 40	.....								S	
ISI-782-A	Head Vent	W-11	Elbow-to-Pipe	B 9. 40	.....								
ISI-782-A	Head Vent	W-12	Pipe-to-Tee	B 9. 40	.....								
ISI-782-A	Head Vent	W-13	Pipe-to-Boss	B 9. 40	.....								
ISI-782-A	Head Vent	W-14	Valve-to-Pipe	B 9. 40	.....								
ISI-782-A	Head Vent	W-15	Pipe-to-Valve	B 9. 40	.....								S	
ISI-782-A	Head Vent	W-16	Elbow-to-Pipe	B 9. 40	.....								
ISI-782-A	Head Vent	W-17	Pipe-to-Elbow	B 9. 40	.....								
ISI-782-A	Head Vent	W-18	Tee-to-Pipe	B 9. 40	.....								
ISI-782-A	Head Vent	W-19	Tee-to-Pipe	B 9. 40	.....								
ISI-782-A	Head Vent	W-20	Pipe-to-Elbow	B 9. 40	.....								
ISI-782-A	Head Vent	W-21	Elbow-to-Pipe	B 9. 40	.....								
ISI-782-A	Head Vent	W-22	Pipe-to-Elbow	B 9. 40	.....								S	
ISI-782-A	Head Vent	W-23	Elbow-to-Pipe	B 9. 40	.....								
ISI-782-A	Head Vent	W-24	Pipe-to-Tee	B 9. 40	.....								
ISI-782-A	Head Vent	W-25	Tee-to-Reducer	B 9. 40	.....								
ISI-782-A	Head Vent	W-26	Tee-to-Pipe	B 9. 40	.....		S							
ISI-782-A	Head Vent	W-27	Pipe-to-Valve	B 9. 40	.....		S							
ISI-782-A	Head Vent	W-28	Valve-to-Pipe	B 9. 40	.....		S							
ISI-782-A	Head Vent	W-29	Pipe-to-Valve	B 9. 40	.....								S	
ISI-782A-A	Head Vent	B- 1	Flange Bolts	B 7. 50	.....							S		
ISI-782A-A	Head Vent	B- 2	Flange Bolts	B 7. 50	.....		S							
ISI-782A-A	Head Vent	W- 1	Flange-to-Reducer	B 9. 11	.....								S	
ISI-782A-A	Head Vent	W- 2	Reducer-to-Pipe	B 9. 40	.....								
ISI-782A-A	Head Vent	W- 3	Pipe-to-Coupling	B 9. 40									

Third Interval
Summary

Monticello Generating Plant
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ISO	System	Item	Item Description	ASME Item Number	Notes (* = Relief Request)	Schedule							
						1993	1994		1996	1998		1999	2002
ISI-782A-A	Head Vent	W- 4	Coupling-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-782A-A	Head Vent	W- 5	Pipe-to-Tee	B 9. 40	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-782A-A	Head Vent	W- 6	Tee-to-Reducer	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-782A-A	Head Vent	W- 7	Tee-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-782A-A	Head Vent	W- 8	Pipe-to-Elbow	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-782A-A	Head Vent	W- 9	Elbow-to-Pipe	B 9. 40	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-782A-A	Head Vent	W-10	Pipe-to-Elbow	B 9. 40	.....	I	.....	.....	.....	.....	.....	.....	.....
ISI-782A-A	Head Vent	W-11	Elbow-to-Pipe	B 9. 40	.....	I	.....	.....	.....	.....	.....	.....	.....
ISI-782A-A	Head Vent	W-12	Pipe-to-Elbow	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-782A-A	Head Vent	W-13	Elbow-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-782A-A	Head Vent	W-14	Pipe-to-Elbow	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-782A-A	Head Vent	W-15	Elbow-to-Pipe	B 9. 40	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-782A-A	Head Vent	W-16	Pipe-to-Elbow	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-782A-A	Head Vent	W-17	Elbow-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-782A-A	Head Vent	W-18	Pipe-to-Elbow	B 9. 40	.....	I	.....	.....	.....	.....	.....	.....	.....
ISI-782A-A	Head Vent	W-19	Elbow-to-Pipe	B 9. 40	.....	I	.....	.....	.....	.....	.....	.....	.....
ISI-782A-A	Head Vent	W-20	Pipe-to-Elbow	B 9. 40	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-782A-A	Head Vent	W-21	Elbow-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-782A-A	Head Vent	W-22	Pipe-to-Elbow	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-782A-A	Head Vent	W-23	Elbow-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-782A-A	Head Vent	W-24	Pipe-to-Elbow	B 9. 40	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-782A-A	Head Vent	W-25	Elbow-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-782A-A	Head Vent	W-26	Pipe-to-Flange	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-786-A	MS Condensate Lkoff	H- 1	Box Support	F-A,B,C	.....	.....	.....	.....	.....	.....	.....	S	.....
ISI-786-A	MS Condensate Lkoff	H- 2	Box Support	F-A,B,C	.....	S	.....	.....	.....	.....	.....	.....	.....
ISI-786-A	MS Condensate Lkoff	H- 3	Linear Support	F-A,B,C	.....	.....	S	.....	.....	.....	.....	.....	.....
ISI-786-A	MS Condensate Lkoff	H- 4	Box Support	F-A,B,C	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-786-A	MS Condensate Lkoff	W- 1	Cap-to-Pipe	B 9. 21	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-786-A	MS Condensate Lkoff	W- 2	Boss-to-Pipe	B 9. 32	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-786-A	MS Condensate Lkoff	W- 3	Boss-to-Pipe	B 9. 32	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-786-A	MS Condensate Lkoff	W- 4	Boss-to-Pipe	B 9. 32	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-786-A	MS Condensate Lkoff	W- 6	Pipe-to-Pipe	B 9. 21	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-786-A	MS Condensate Lkoff	W- 7	Pipe-to-Valve	B 9. 21	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-786-A	MS Condensate Lkoff	W- 8	Valve-to-Elbow	B 9. 21	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-786-A	MS Condensate Lkoff	W- 9	Elbow-to-Elbow	B 9. 21	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-786-A	MS Condensate Lkoff	W-10	Elbow-to-Pipe	B 9. 21	.....	.....	S	.....	.....	.....	.....	.....	.....
ISI-786-A	MS Condensate Lkoff	W-11	Pipe-to-Pipe	B 9. 21	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-786-A	MS Condensate Lkoff	W-12	Pipe-to-Pipe	B 9. 21	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-786-A	MS Condensate Lkoff	W-13	Pipe-to-Elbow	B 9. 21	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-786-A	MS Condensate Lkoff	W-14	Elbow-to-Valve	B 9. 21	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-786-A	MS Condensate Lkoff	W-15	Valve-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-786-A	MS Condensate Lkoff	W-16	Pipe-to-Elbow	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-786-A	MS Condensate Lkoff	W-17	Elbow-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-786-A	MS Condensate Lkoff	W-18	Pipe-to-Elbow	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-786-A	MS Condensate Lkoff	W-19	Elbow-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-786-A	MS Condensate Lkoff	W-20	Pipe-to-Tee	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-786-A	MS Condensate Lkoff	W-21	Reducer-to-Tee	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-786-A	MS Condensate Lkoff	W-22	Tee-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....

ISO	System	Item	Item Description	ASME Item Number	Notes (* = Relief Request)	Schedule							
						1993	1994		1996	1998		1999	2002
ISI-786-A	MS Condensate Lkoff	W-23	Pipe-to-Elbow	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-786-A	MS Condensate Lkoff	W-24	Elbow-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-786-A	MS Condensate Lkoff	W-25	Pipe-to-Elbow	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-786-A	MS Condensate Lkoff	W-26	Elbow-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-786-A	MS Condensate Lkoff	W-27	Pipe-to-Elbow	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-786-A	MS Condensate Lkoff	W-28	Elbow-to-Pipe	B 9. 40	.....	S	.....	.....	.....	.....	.....	.....	.....
ISI-786-A	MS Condensate Lkoff	W-29	Pipe-to-Elbow	B 9. 40	.....	S	.....	.....	.....	.....	.....	.....	.....
ISI-786-A	MS Condensate Lkoff	W-30	Elbow-to-Pipe	B 9. 40	.....	S	.....	.....	.....	.....	.....	.....	.....
ISI-786-A	MS Condensate Lkoff	W-31	Pipe-to-Elbow	B 9. 40	.....	S	.....	.....	.....	.....	.....	.....	.....
ISI-786-A	MS Condensate Lkoff	W-32	Elbow-to-Pipe	B 9. 40	.....	S	.....	.....	.....	.....	.....	.....	.....
ISI-786-A	MS Condensate Lkoff	W-33	Pipe-to-Coupling	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-786-A	MS Condensate Lkoff	W-34	Coupling-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-786-A	MS Condensate Lkoff	W-35	Pipe-to-Coupling	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-786-A	MS Condensate Lkoff	W-36	Coupling-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-786-A	MS Condensate Lkoff	W-37	Pipe-to-Boss	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-786-A	MS Condensate Lkoff	W-38	Valve-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-786-A	MS Condensate Lkoff	W-39	Pipe-to-Elbow	B 9. 40	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-786-A	MS Condensate Lkoff	W-40	Elbow-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-786-A	MS Condensate Lkoff	W-41	Pipe-to-Elbow	B 9. 40	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-786-A	MS Condensate Lkoff	W-42	Elbow-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-786-A	MS Condensate Lkoff	W-43	Pipe-to-Elbow	B 9. 40	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-786-A	MS Condensate Lkoff	W-44	Elbow-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-786-A	MS Condensate Lkoff	W-45	Pipe-to-Boss	B 9. 40	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-786-A	MS Condensate Lkoff	W-46	Valve-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-786-A	MS Condensate Lkoff	W-47	Pipe-to-Elbow	B 9. 40	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-786-A	MS Condensate Lkoff	W-48	Elbow-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-786-A	MS Condensate Lkoff	W-49	Pipe-to-Elbow	B 9. 40	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-786-A	MS Condensate Lkoff	W-5	Weldolet-to-Pipe	B 9. 32	.....	.....	.....	S	.....	.....	S	.....	.....
ISI-786-A	MS Condensate Lkoff	W-50	Elbow-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-786-A	MS Condensate Lkoff	W-51	Pipe-to-Elbow	B 9. 40	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-786-A	MS Condensate Lkoff	W-52	Elbow-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-786-A	MS Condensate Lkoff	W-53	Pipe-to-Boss	B 9. 40	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-786-A	MS Condensate Lkoff	W-54	Valve-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-786-A	MS Condensate Lkoff	W-55	Pipe-to-Coupling	B 9. 40	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-786-A	MS Condensate Lkoff	W-56	Coupling-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-786-A	MS Condensate Lkoff	W-57	Pipe-to-Elbow	B 9. 40	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-786-A	MS Condensate Lkoff	W-58	Elbow-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-786-A	MS Condensate Lkoff	W-59	Pipe-to-Tee	B 9. 40	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-786-A	MS Condensate Lkoff	W-60	Reducer-to-Tee	B 9. 40	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-786-A	MS Condensate Lkoff	W-61	Tee-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-786-A	MS Condensate Lkoff	W-62	Pipe-to-Elbow	B 9. 40	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-786-A	MS Condensate Lkoff	W-63	Elbow-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-786-A	MS Condensate Lkoff	W-64	Pipe-to-Elbow	B 9. 40	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-786-A	MS Condensate Lkoff	W-65	Elbow-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-786-A	MS Condensate Lkoff	W-66	Pipe-to-Elbow	B 9. 40	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-786-A	MS Condensate Lkoff	W-67	Elbow-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-786-A	MS Condensate Lkoff	W-68	Pipe-to-Coupling	B 9. 40	S
ISI-786-A	MS Condensate Lkoff	W-69	Coupling-to-Pipe	B 9. 40	S

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						1993	1994		1996	1998		1999	2002		
ISI-786-A	MS Condensate Lkoff	W-70	Pipe-to-Boss	B 9. 40											
ISI-7905-32-A	RHR Heat Exchanger A	N- 1	Shell-Pad-Noz	C 2. 31										S	
ISI-7905-32-A	RHR Heat Exchanger A	N- 2	Shell-Pad-Noz	C 2. 31			S								
ISI-7905-32-A	RHR Heat Exchanger A	Support A	Support A,E200A, 0°	C 3. 10	F-A,B,C		S								
ISI-7905-32-A	RHR Heat Exchanger A	Support B	Support B,E200A 180°	C 3. 10	F-A,B,C		S								
ISI-7905-32-A	RHR Heat Exchanger A	Support C	Support C,E200A 315°	C 3. 10	F-A,B,C				S						
ISI-7905-32-A	RHR Heat Exchanger A	W- 1	Top Flange to Shell	C 1. 10			S								
ISI-7905-32-A	RHR Heat Exchanger A	W- 2	Lower Flange/Shell	C 1. 10											
ISI-7905-32-A	RHR Heat Exchanger A	W- 3	Lower Head/Flange	C 1. 20					S						
ISI-7905-32-A	RHR Heat Exchanger A	W- 4	Lower Head Circ Weld	C 1. 20											
ISI-7905-32-B	RHR Heat Exchanger B	N- 1	Shell-Pad-Noz	C 2. 31										S	
ISI-7905-32-B	RHR Heat Exchanger B	N- 2	Shell-Pad-Noz	C 2. 31										S	
ISI-7905-32-B	RHR Heat Exchanger B	Support A	Support A,E200B 0°	C 3. 10	F-A,B,C									S	
ISI-7905-32-B	RHR Heat Exchanger B	Support B	Support B,E200B 180°	C 3. 10	F-A,B,C									S	
ISI-7905-32-B	RHR Heat Exchanger B	Support C	Support C,E200B 315°	C 3. 10	F-A,B,C									S	
ISI-7905-32-B	RHR Heat Exchanger B	W- 1	Top Flange to Shell	C 1. 10											
ISI-7905-32-B	RHR Heat Exchanger B	W- 2	Lower Flange/Shell	C 1. 10										S	
ISI-7905-32-B	RHR Heat Exchanger B	W- 3	Lower Head/Flange	C 1. 20											
ISI-7905-32-B	RHR Heat Exchanger B	W- 4	Lower Head Circ Weld	C 1. 20										S	
ISI-821 A	Bottom Head Drain	W-50	Couping-to-Pipe	B 9. 40											
ISI-821-A	Bottom Head Drain	B- 1	Flange Bolts	B 7. 50										S	
ISI-821-A	Bottom Head Drain	H- 1	Clamp	F-A,B,C				S							
ISI-821-A	Bottom Head Drain	H- 2	Box Restraint	F-A,B,C										S	
ISI-821-A	Bottom Head Drain	H- 3	Clamp	F-A,B,C										S	
ISI-821-A	Bottom Head Drain	H- 4	Box Restraint	F-A,B,C			S								
ISI-821-A	Bottom Head Drain	H- 5	Box Restraint	F-A,B,C										S	
ISI-821-A	Bottom Head Drain	H- 6	Box Restraint	F-A,B,C										S	
ISI-821-A	Bottom Head Drain	H- 7	Clamp	F-A,B,C										S	
ISI-821-A	Bottom Head Drain	W- 1	Nozzle Stud-to-Pipe	B 9. 40											
ISI-821-A	Bottom Head Drain	W- 2	Pipe-to-Elbow	B 9. 40											
ISI-821-A	Bottom Head Drain	W- 3	Elbow-to-Pipe	B 9. 40											
ISI-821-A	Bottom Head Drain	W- 4	Pipe-to-Elbow	B 9. 40											
ISI-821-A	Bottom Head Drain	W- 5	Elbow-to-Pipe	B 9. 40											
ISI-821-A	Bottom Head Drain	W- 6	Pipe-to-Elbow	B 9. 40											
ISI-821-A	Bottom Head Drain	W- 7	Elbow-to-Pipe	B 9. 40											
ISI-821-A	Bottom Head Drain	W- 8	Pipe-to-Elbow	B 9. 40				S							
ISI-821-A	Bottom Head Drain	W- 9	Elbow-to-Pipe	B 9. 40				S							
ISI-821-A	Bottom Head Drain	W-10	Pipe-to-Elbow	B 9. 40											
ISI-821-A	Bottom Head Drain	W-11	Elbow-to-Pipe	B 9. 40											
ISI-821-A	Bottom Head Drain	W-12	Pipe-to-Coupling	B 9. 40											
ISI-821-A	Bottom Head Drain	W-13	Coupling-to-Pipe	B 9. 40											
ISI-821-A	Bottom Head Drain	W-14	Pipe-to-Coupling	B 9. 40											
ISI-821-A	Bottom Head Drain	W-15	Coupling-to-Pipe	B 9. 40											
ISI-821-A	Bottom Head Drain	W-16	Pipe-to-Elbow	B 9. 40										S	
ISI-821-A	Bottom Head Drain	W-17	Elbow-to-Pipe	B 9. 40										S	
ISI-821-A	Bottom Head Drain	W-18	Pipe-to-Coupling	B 9. 40											
ISI-821-A	Bottom Head Drain	W-19	Coupling-to-Elbow	B 9. 40											
ISI-821-A	Bottom Head Drain	W-20	Elbow-to-Pipe	B 9. 40											

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						1993	1994		1996	1998		1999	2002
ISI-821-A	Bottom Head Drain	W-21	Pipe-to-Elbow	B 9. 40
ISI-821-A	Bottom Head Drain	W-22	Elbow-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-821-A	Bottom Head Drain	W-23	Pipe-to-Coupling	B 9. 40	.....	S	.....	.....	.....	.....	.....	.....	.....
ISI-821-A	Bottom Head Drain	W-24	Coupling-to-Pipe	B 9. 40	.....	S	.....	.....	.....	.....	.....	.....	.....
ISI-821-A	Bottom Head Drain	W-25	Pipe-to-Elbow	B 9. 40	.....	S	.....	.....	.....	.....	.....	.....	.....
ISI-821-A	Bottom Head Drain	W-26	Elbow-to-Pipe	B 9. 40	.....	S	.....	.....	.....	.....	.....	.....	.....
ISI-821-A	Bottom Head Drain	W-27	Pipe-to-Elbow	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-821-A	Bottom Head Drain	W-28	Elbow-to-Pipe	B 9. 40	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-821-A	Bottom Head Drain	W-29	Pipe-to-Elbow	B 9. 40	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-821-A	Bottom Head Drain	W-30	Elbow-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-821-A	Bottom Head Drain	W-31	Pipe-to-Valve	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-821-A	Bottom Head Drain	W-32	Valve-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-821-A	Bottom Head Drain	W-33	Pipe-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-821-A	Bottom Head Drain	W-34	Pipe-to-Reducer	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-821-A	Bottom Head Drain	W-35	Reducer-to-Tee	B 9. 11	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-821-A	Bottom Head Drain	W-36	Tee-to-Flange	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-821-A	Bottom Head Drain	W-37	Tee-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-821-A	Bottom Head Drain	W-38	Pipe-to-Reducer	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-821-A	Bottom Head Drain	W-39	Reducer-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-821-A	Bottom Head Drain	W-40	Pipe-to-Tee	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-821-A	Bottom Head Drain	W-41	Tee-to-Reducer	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-821-A	Bottom Head Drain	W-42	Tee-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-821-A	Bottom Head Drain	W-43	Pipe-to-Elbow	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-821-A	Bottom Head Drain	W-44	Elbow-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-821-A	Bottom Head Drain	W-45	Pipe-to-Coupling	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-821-A	Bottom Head Drain	W-46	Coupling-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	.....	S	.....
ISI-821-A	Bottom Head Drain	W-47	Pipe-to-Coupling	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-821-A	Bottom Head Drain	W-48	Coupling-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-821-A	Bottom Head Drain	W-49	Pipe-to-Coupling	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-821-A	Bottom Head Drain	W-51	Pipe-to-Coupling	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-821-A	Bottom Head Drain	W-52	Coupling-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-821-A	Bottom Head Drain	W-53	Pipe-to-Elbow	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-821-A	Bottom Head Drain	W-54	Elbow-to-Pipe	B 9. 40	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-821-A	Bottom Head Drain	W-55	Pipe-to-Elbow	B 9. 40	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-821-A	Bottom Head Drain	W-56	Elbow-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-821-A	Bottom Head Drain	W-57	Pipe-to-Elbow	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-821-A	Bottom Head Drain	W-58	Elbow-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-821-A	Bottom Head Drain	W-59	Pipe-to-Socket-0-Let	B 9. 40	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-8292-42-A	HPCI Pumps	DVMX Supp A	DVMX Pump Support	F-A,B,C	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-8292-42-A	HPCI Pumps	DVMX Supp B	DVMX Pump Support	F-A,B,C	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-8292-42-A	HPCI Pumps	DVMX Supp C	DVMX Pump Support	F-A,B,C	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-8292-42-A	HPCI Pumps	DVMX Supp D	DVMX Pump Support	F-A,B,C	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-8292-42-A	HPCI Pumps	DVS Supp A	DVS Pump Support	F-A,B,C	.....	S	.....	.....	.....	.....	.....	.....	.....
ISI-8292-42-A	HPCI Pumps	DVS Supp B	DVS Pump Support	F-A,B,C	.....	S	.....	.....	.....	.....	S	.....	.....
ISI-8292-42-A	HPCI Pumps	DVS Supp C	DVS Pump Support	F-A,B,C	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-8292-42-A	HPCI Pumps	DVS Supp D	DVS Pump Support	F-A,B,C	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-8292-42-A	HPCI Pumps	W- 1	Pipe-to-Pump	C X. XX
ISI-8292-42-A	HPCI Pumps	W- 2	Pump-to-Pipe	C X. XX

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ISI-8292-42-A	HPCI Pumps	W- 3	Pipe-to-Flange	C X. XX
ISI-8292-42-A	HPCI Pumps	W- 4	Elbow-to-Pipe	C X. XX
ISI-8292-42-A	HPCI Pumps	W- 5	Pipe-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-8292-42-A	HPCI Pumps	W- 6	Elbow-to-Pipe	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-8292-42-A	HPCI Pumps	W- 7	Flange-to-Elbow	C X. XX	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header	B- 1	Flange Bolts @ W-7	B 7. 50	.....	S	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header	B- 2	Flange Bolts @ W-1	B 7. 50	.....	.....	.....	.....	.....	.....	.....	S	.....
ISI-93268-1-A	CRD Scram Header	B- 3	Flange Bolts @ W-11	B 7. 50	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header	B- 4	Flange Bolts @ W-19	B 7. 50	.....	.....	.....	.....	.....	.....	.....	S	.....
ISI-93268-1-A	CRD Scram Header A	H- 1	Box Restraint	F-A,B,C	.....	S	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	H- 2	Strut / Clamp	F-A,B,C	.....	.....	.....	.....	.....	.....	.....	S	.....
ISI-93268-1-A	CRD Scram Header A	H- 3	Strut / Clamp	F-A,B,C	.....	.....	.....	.....	.....	.....	.....	S	.....
ISI-93268-1-A	CRD Scram Header A	H- 4	Box Restraint	F-A,B,C	.....	S	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	H- 5	Rod / Clamp	F-A,B,C	.....	S	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	H- 6	Double Strut	F-A,B,C	.....	S	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	H- 7	Box Restraint	F-A,B,C	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	H- 8	Strut / Clamp	F-A,B,C	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	H- 9	Strut / Clamp	F-A,B,C	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	H-10	Restraint	F-A,B,C	.....	.....	.....	.....	.....	.....	.....	S	.....
ISI-93268-1-A	CRD Scram Header A	H-11	Rod / Clamp	F-A,B,C	.....	.....	.....	.....	.....	.....	.....	S	.....
ISI-93268-1-A	CRD Scram Header A	H-12	Strut / Clamp	F-A,B,C	.....	.....	.....	.....	.....	.....	.....	S	.....
ISI-93268-1-A	CRD Scram Header A	H-13	Strut / Clamp	F-A,B,C	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	H-14	Strut / Clamp	F-A,B,C	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	H-15	Box Restraint	F-A,B,C	.....	.....	.....	.....	.....	.....	.....	S	.....
ISI-93268-1-A	CRD Scram Header A	H-16	Box Restraint	F-A,B,C	.....	.....	.....	.....	.....	.....	.....	S	.....
ISI-93268-1-A	CRD Scram Header A	H-17	Strut / Clamp	F-A,B,C	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	H-18	Box Restraint	F-A,B,C	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	H-19	Triple Rod / Clamp	F-A,B,C	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	H-20	Tank Support	B10. 10	F-A,B,C	.....	S	.....	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	W 34 LS U&D	Reducer-to-Pipe	B 9. 10	.....	.....	.....	.....	.....	.....	.....	S	.....
ISI-93268-1-A	CRD Scram Header A	W- 1	Flange-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	W- 2	Pipe-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	W- 3	Pipe-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	W- 4	Pipe-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	W- 5	Pipe-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	W- 6	Pipe-to-Tee	B 9. 11	.....	CC ;	S	.....	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	W- 7	Flange-to-Tee	B 9. 11	.....	.....	S	.....	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	W- 8 LS U&D	Tee-to-Reducer	B 9. 10	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	W- 9 LS U&D	Reducer-to-Pipe	B 9. 10	.....	.....	S	.....	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	W-10 LS U&D	Pipe-to-Tee	B 9. 10	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	W-11	Flange-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	W-12	Pipe-to-pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	W-13	Pipe-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	W-14	Pipe-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	W-15	Pipe-to-Reducer	B 9. 11	.....	CC ;	.....	.....	.....	.....	S	.....	.....
ISI-93268-1-A	CRD Scram Header A	W-16 LS U&D	Reducer-to-Tee	B 9. 10	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	W-17 LS U&D	Tee-to-Pipe	B 9. 10	S
ISI-93268-1-A	CRD Scram Header A	W-18 LS U&D	Pipe-to-Tee	B 9. 10	S

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						1993	1994		1996	1998		1999	2002
ISI-93268-1-A	CRD Scram Header A	W-19	Flange-to-Pipe	B 9. 11
ISI-93268-1-A	CRD Scram Header A	W-20	Pipe-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	W-21	Pipe-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	W-22	Pipe-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	W-23	Pipe-to-Reducer	B 9. 11	CC ; .....	.....	.....	S	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	W-24 LS U	Reducer-to-Reducer	B 9. 10	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	W-25 LS U&D	Reducer-to-Tee	B 9. 10	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	W-26 LS U&D	Tee-to-Elbow	B 9. 10	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	W-27 LS U&D	Elbow-to-Pipe	B 9. 10	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	W-28 LS U&D	Pipe-to-Elbow (45°)	B 9. 10	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	W-29 LS U&D	Elbow-to-Pipe	B 9. 10	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	W-30 LS U&D	Pipe-to-Elbow (45°)	B 9. 10	.....	S	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	W-31 LS U&D	Elbow-to-Pipe	B 9. 10	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	W-32 LS U&D	Pipe-to-Elbow	B 9. 10	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	W-33 LS U&D	Elbow-to-Reducer	B 9. 10	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-A	CRD Scram Header A	W-35 LS U&D	Pipe-to-Cap	B 9. 10	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-B	CRD Scram Hdr Disch	H- 1	Box Restraint	F-A,B,C	.....	.....	.....	.....	.....	.....	.....	S	.....
ISI-93268-1-B	CRD Scram Hdr Disch	H- 2	Box Restraint	F-A,B,C	.....	.....	.....	.....	.....	.....	.....	S	.....
ISI-93268-1-B	CRD Scram Hdr Disch	H- 3	Box Restraint	F-A,B,C	.....	S	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-B	CRD Scram Hdr Disch	H- 4	Box Restraint	F-A,B,C	.....	.....	S	.....	.....	.....	.....	.....	.....
ISI-93268-1-B	CRD Scram Hdr Disch	H- 5	Box Restraint	F-A,B,C	.....	.....	S	.....	.....	.....	.....	.....	.....
ISI-93268-1-B	CRD Scram Hdr Disch	H- 6	Box Restraint	F-A,B,C	.....	S	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-B	CRD Scram Hdr Disch	W- 1 LS U	Cap-to-Half Coupling	B 9. 40	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-93268-1-B	CRD Scram Hdr Disch	W- 2	Hf Coupling-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-B	CRD Scram Hdr Disch	W- 3	Pipe-to-Elbow	B 9. 40	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-93268-1-B	CRD Scram Hdr Disch	W- 4	Elbow-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-B	CRD Scram Hdr Disch	W- 5	Pipe-to-Coupling	B 9. 40	.....	.....	.....	.....	.....	.....	.....	S	.....
ISI-93268-1-B	CRD Scram Hdr Disch	W- 6	Coupling-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-B	CRD Scram Hdr Disch	W- 7	Pipe-to-Valve	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-B	CRD Scram Hdr Disch	W- 8	Valve-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-B	CRD Scram Hdr Disch	W- 9	Pipe-to-Elbow	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-B	CRD Scram Hdr Disch	W-10	Elbow-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-B	CRD Scram Hdr Disch	W-11	Pipe-to-Elbow	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-B	CRD Scram Hdr Disch	W-12	Elbow-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-B	CRD Scram Hdr Disch	W-13	Pipe-to-Elbow	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-B	CRD Scram Hdr Disch	W-14	Elbow-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-B	CRD Scram Hdr Disch	W-15	Pipe-to-Elbow	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-B	CRD Scram Hdr Disch	W-16	Elbow-to-Pipe	B 9. 40	.....	S	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-B	CRD Scram Hdr Disch	W-17	Pipe-to-Valve	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-B	CRD Scram Hdr Disch	W-18 LS U	Cap-to-Half Coupling	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-B	CRD Scram Hdr Disch	W-19	Hf Coupling-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-93268-1-B	CRD Scram Hdr Disch	W-20	Pipe-to-Elbow	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-B	CRD Scram Hdr Disch	W-21	Elbow-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-B	CRD Scram Hdr Disch	W-22	Pipe-to-Coupling	B 9. 40	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-93268-1-B	CRD Scram Hdr Disch	W-23	Coupling-to-Pipe	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-1-B	CRD Scram Hdr Disch	W-24	Pipe-to-Valve	B 9. 40	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-93268-1-B	CRD Scram Hdr Disch	W-25	Valve-to-Pipe	B 9. 40	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-93268-1-B	CRD Scram Hdr Disch	W-26	Pipe-to-Elbow	B 9. 40	.....	.....	.....	.....	.....	.....	.....	.....	.....

ISO	System	Item	Item Description	ASME Item Number	Notes (*=Relief Request)	Schedule								
						1993	1994		1996	1998		1999	2002	
ISI-93268-1-B	CRD Scram Hdr Disch	W-27	Elbow-to-Pipe	B 9. 40										
ISI-93268-1-B	CRD Scram Hdr Disch	W-28	Pipe-to-Elbow	B 9. 40										
ISI-93268-1-B	CRD Scram Hdr Disch	W-29	Elbow-to-Pipe	B 9. 40										
ISI-93268-1-B	CRD Scram Hdr Disch	W-30	Pipe-to-Valve	B 9. 40										
ISI-93268-3-A	CRD Scram Header A	B- 1	Flange Bolts @ W-7	B 7. 50			S							
ISI-93268-3-A	CRD Scram Header A	B- 2	Flange Bolts @ W-1	B 7. 50			S							
ISI-93268-3-A	CRD Scram Header A	B- 3	Flange Bolts @ W-11	B 7. 50									S	
ISI-93268-3-A	CRD Scram Header A	B- 4	Flange Bolts @ W-19	B 7. 50				S						
ISI-93268-3-A	CRD Scram Header B	H- 1	Box Restraint	F-A,B,C			S							
ISI-93268-3-A	CRD Scram Header B	H- 2	Strut / Clamp	F-A,B,C			S							
ISI-93268-3-A	CRD Scram Header B	H- 3	Restraint / 4 Lugs	F-A,B,C	B10. 10		S							
ISI-93268-3-A	CRD Scram Header B	H- 4	Strut / Clamp	F-A,B,C			S							
ISI-93268-3-A	CRD Scram Header B	H- 5	Box Restraint	F-A,B,C									S	
ISI-93268-3-A	CRD Scram Header B	H- 6	Rod Clamp	F-A,B,C									S	
ISI-93268-3-A	CRD Scram Header B	H- 7	Restraint / 4 Lugs	F-A,B,C	B10. 10							S		
ISI-93268-3-A	CRD Scram Header B	H- 8	Box Restraint	F-A,B,C								S		
ISI-93268-3-A	CRD Scram Header B	H- 9	Box Restraint	F-A,B,C				S						
ISI-93268-3-A	CRD Scram Header B	H-10	Dbl Rod / Clamp	F-A,B,C				S						
ISI-93268-3-A	CRD Scram Header B	H-11	Restraint / 4 Lugs	F-A,B,C	B10. 10					S				
ISI-93268-3-A	CRD Scram Header B	H-12	Clamp	F-A,B,C					S					
ISI-93268-3-A	CRD Scram Header B	H-13	Box Restraint	F-A,B,C								S		
ISI-93268-3-A	CRD Scram Header B	H-14	Tank Support	B10. 10					S					
ISI-93268-3-A	CRD Scram Header B	W- 1	Flange-to-Pipe	B 9. 11										
ISI-93268-3-A	CRD Scram Header B	W- 2	Pipe-to-Pipe	B 9. 11										
ISI-93268-3-A	CRD Scram Header B	W- 3	Pipe-to-pipe	B 9. 11										
ISI-93268-3-A	CRD Scram Header B	W- 4	Pipe-to-Pipe	B 9. 11										
ISI-93268-3-A	CRD Scram Header B	W- 5	Pipe-to-Pipe	B 9. 11										
ISI-93268-3-A	CRD Scram Header B	W- 6	Pipe-to-Tee	B 9. 11	CC ;		S							
ISI-93268-3-A	CRD Scram Header B	W- 7	Flange-to-Tee	B 9. 11										
ISI-93268-3-A	CRD Scram Header B	W- 8 LS U	Tee-to-Reducer	B 9. 10										
ISI-93268-3-A	CRD Scram Header B	W- 9 LS U&D	Reducer-to-Pipe	B 9. 10										
ISI-93268-3-A	CRD Scram Header B	W-10 LS U&D	Pipe-to-Tee	B 9. 10										
ISI-93268-3-A	CRD Scram Header B	W-11	Flange-to-Pipe	B 9. 11									S	
ISI-93268-3-A	CRD Scram Header B	W-12	Pipe-to-Pipe	B 9. 11										
ISI-93268-3-A	CRD Scram Header B	W-13	Pipe-to-Pipe	B 9. 11										
ISI-93268-3-A	CRD Scram Header B	W-14	Pipe-to-Pipe	B 9. 11										
ISI-93268-3-A	CRD Scram Header B	W-15	Pipe-to-Reducer	B 9. 11	CC ;							S		
ISI-93268-3-A	CRD Scram Header B	W-16 LS U	Reducer-to-Tee	B 9. 10										
ISI-93268-3-A	CRD Scram Header B	W-17 LS U&D	Tee-to-Pipe	B 9. 10								S		
ISI-93268-3-A	CRD Scram Header B	W-18 LS U&D	Pipe-to-Tee	B 9. 10										
ISI-93268-3-A	CRD Scram Header B	W-19	Flange-to-Pipe	B 9. 11										
ISI-93268-3-A	CRD Scram Header B	W-20	Pipe-to-Pipe	B 9. 11										
ISI-93268-3-A	CRD Scram Header B	W-21	Pipe-to-Pipe	B 9. 11										
ISI-93268-3-A	CRD Scram Header B	W-22	Pipe-to-Pipe	B 9. 11										
ISI-93268-3-A	CRD Scram Header B	W-23	Pipe-to-Reducer	B 9. 11	CC ;					S				
ISI-93268-3-A	CRD Scram Header B	W-24 LS U	Reducer-to-Reducer	B 9. 10										
ISI-93268-3-A	CRD Scram Header B	W-25 LS U&D	Tee-to-Reducer	B 9. 10										
ISI-93268-3-A	CRD Scram Header B	W-26 LS U&D	Tee-to-Elbow	B 9. 10						S				

ISO	System	Item	Item Description	ASME Item Number	Notes (* = Relief Request)	Schedule							
						1993	1994		1996	1998		1999	2002
ISI-93268-3-A	CRD Scram Header B	W-27 LS U&D	Elbow-to-Pipe	B 9. 10	.....	.....	.....	.....	.....	S	.....	.....	.....
ISI-93268-3-A	CRD Scram Header B	W-28 LS U&D	Pipe-to-Elbow	B 9. 10	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-3-A	CRD Scram Header B	W-29 LS U&D	Elbow-to-Elbow	B 9. 10	.....	S	.....	.....	.....	.....	.....	.....	.....
ISI-93268-3-A	CRD Scram Header B	W-30 LS U&D	Elbow-to-Reducer	B 9. 10	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-3-A	CRD Scram Header B	W-31 LS U&D	Reducer-to-Pipe	B 9. 10	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-93268-3-A	CRD Scram Header B	W-32 LS U&D	Pipe-to-Cap	B 9. 10	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-97003-A	RHR Return A	B- 1	Valve Bolts	B 7. 70	.....	I	.....	.....	.....	.....	.....	.....	.....
ISI-97003-A	RHR Return A	B- 2	Valve Bolts	B 7. 70	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-97003-A	RHR Return A	B- 3	Flange Bolts @ W 11	B 7. 50	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-97003-A	RHR Return A	B- 4	Flange Bolts @ W 22	B 7. 50	.....	.....	.....	.....	.....	S	.....	.....	.....
ISI-97003-A	RHR Return A	B- 5	Valve Bolts	B 7. 70	.....	.....	.....	.....	.....	S	.....	.....	.....
ISI-97003-A	RHR Return A	H- 1	Variable Spring	F-A,B,C	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-97003-A	RHR Return A	H- 2	Variable Spring	F-A,B,C	.....	.....	.....	S	.....	.....	.....	.....	.....
ISI-97003-A	RHR Return A	H- 3	Snubber / Clamp	F-A,B,C	.....	.....	.....	.....	.....	S	.....	.....	.....
ISI-97003-A	RHR Return A	H- 4	Snubber / Clamp	F-A,B,C	.....	.....	.....	.....	.....	S	.....	.....	.....
ISI-97003-A	RHR Return A	V- 1	Valve Int Surfaces	B12. 50	HH ;*4 ;	.....	.....	.....	.....	.....	.....	.....	.....
ISI-97003-A	RHR Return A	V- 2	Valve Int Surfaces	B12. 50	HH ;*4 ;	.....	.....	.....	.....	.....	.....	.....	.....
ISI-97003-A	RHR Return A	V- 3	Valve Int Surfaces	B12. 50	HH ;*4 ;	.....	.....	.....	.....	.....	.....	.....	.....
ISI-97003-A	RHR Return A	W- 1	Valve-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-97003-A	RHR Return A	W- 2	Pipe-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-97003-A	RHR Return A	W- 3	Pipe-to-Pipe	B 9. 11	DD ;	.....	.....	.....	.....	.....	.....	.....	.....
ISI-97003-A	RHR Return A	W- 4	Pipe-to-Elbow	B 9. 11	.....	.....	S	.....	.....	.....	.....	.....	.....
ISI-97003-A	RHR Return A	W- 5	Elbow-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-97003-A	RHR Return A	W- 6	Pipe-to-Elbow	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-97003-A	RHR Return A	W- 7	Elbow-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-97003-A	RHR Return A	W- 8	Pipe-to-Valve	B 9. 11	CC ;	.....	.....	.....	S	.....	.....	.....	.....
ISI-97003-A	RHR Return A	W- 9	Valve-to-Pipe	B 9. 11	CC ;	.....	.....	.....	S	.....	.....	.....	.....
ISI-97003-A	RHR Return A	W-10	Pipe-to-Weldolet	B 9. 31	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-97003-A	RHR Return A	W-11	Weldolet-to-Flange	B 9. 11	.....	.....	.....	.....	S	.....	.....	.....	.....
ISI-97003-A	RHR Return A	W-12	Pipe-to-Elbow	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-97003-A	RHR Return A	W-13	Elbow-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-97003-A	RHR Return A	W-14	Pipe-to-Branch	B 9. 31	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-97003-A	RHR Return A	W-15	Pipe-to-Elbow	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-97003-A	RHR Return A	W-16	Elbow-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-97003-A	RHR Return A	W-17	Pipe-to-Elbow	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-97003-A	RHR Return A	W-18	Elbow-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-97003-A	RHR Return A	W-19	Pipe-to-Elbow	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-97003-A	RHR Return A	W-20	Elbow-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-97003-A	RHR Return A	W-21	Pipe-to-Branch	B 9. 31	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-97003-A	RHR Return A	W-22	Branch-to-Flange	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-97003-A	RHR Return A	W-23	Pipe-to-Valve	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-97003-A	RHR Return A	W-24	Valve-to-Pipe	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-97003-A	RHR Return A	W-25 LS U	Pipe-to-Pipe	B 9. 10	CC ;	.....	.....	.....	.....	.....	S	.....	.....
ISI-97003-A	RHR Return A	W-26 LS U&D	Pipe-to-Reducer	B 9. 10	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-97003-A	RHR Return A	W-27 LS U&D	Reducer-to-Pipe	B 9. 10	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-97003-A	RHR Return A	W-28 LS U&D	Pipe-to-Elbow	B 9. 10	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-97003-A	RHR Return A	W-29 LS U&D	Elbow-to-Pipe	B 9. 10	.....	.....	.....	.....	.....	.....	S	.....	.....
ISI-97003-A	RHR Return A	W-30 LS U&D	Pipe-to-TEE	B 9. 10	.....	.....	.....	.....	.....	.....	.....	.....	.....

ISO	System	Item	Item Description	ASME Item Number	Notes (* = Relief Request)	Schedule								
						1993	1994		1996	1998		1999	2002	
ISI-97003-B	RHR Suction A	B- 1	Valve Bolts	B 7. 70										
ISI-97003-B	RHR Suction A	B- 2	Flange Bolts @ W-9	B 7. 50					S					
ISI-97003-B	RHR Suction A	B- 3	Flange Bolts @ W-14	B 7. 50			S							
ISI-97003-B	RHR Suction A	B- 4	Valve Bolts	B 7. 70			S							
ISI-97003-B	RHR Suction A	B- 5	Valve Bolts	B 7. 70									S	
ISI-97003-B	RHR Suction A	H- 1	Variable Spr / Clamp	F-A,B,C					S					
ISI-97003-B	RHR Suction A	H- 2	Snubber / Clamp	F-A,B,C					S					
ISI-97003-B	Rhr Suction A	H- 3	Snubber / Clamp	F-A,B,C					S					
ISI-97003-B	RHR Suction A	H- 4	Variable Slide/Clamp	F-A,B,C			S							
ISI-97003-B	RHR Suction A	H- 5	Variable Slide	F-A,B,C			S							
ISI-97003-B	RHR Suction A	V- 1	Valve Internals	B12. 50	HH ;*4 ;									
ISI-97003-B	RHR Suction A	V- 2	Valve Internals	B12. 50	HH ;*4 ;									
ISI-97003-B	RHR Suction A	V- 3	Valve Internals	B12. 50	HH ;*4 ;									
ISI-97003-B	RHR Suction A	W- 1 LS U&D	Tee-to-Pipe	B 9. 10										
ISI-97003-B	RHR Suction A	W- 2 LS U&D	Pipe-to-Elbow	B 9. 10										
ISI-97003-B	RHR Suction A	W- 3 LS U&D	Elbow-to-Pipe	B 9. 10										
ISI-97003-B	RHR Suction A	W- 4 LS D	Pipe-to-Pipe	B 9. 10	CC ;					S				
ISI-97003-B	RHR Suction A	W- 5	Pipe-to-Valve	B 9. 11										
ISI-97003-B	RHR Suction A	W- 6	Valve-to-Elbow	B 9. 11										
ISI-97003-B	RHR Suction A	W- 7	Elbow-to-Pipe	B 9. 11										
ISI-97003-B	RHR Suction A	W- 8	Pipe-to-Branch	B 9. 31										
ISI-97003-B	RHR Suction A	W- 9	Branch-to-Flange	B 9. 11										
ISI-97003-B	RHR Suction A	W-10	Pipe-to-Elbow	B 9. 11										
ISI-97003-B	RHR Suction A	W-11	Elbow-to-Pipe	B 9. 11										
ISI-97003-B	RHR Suction A	W-12	Branch-to-Pipe	B 9. 31			S							
ISI-97003-B	RHR Suction A	W-13	Pipe-to-Branch	B 9. 31										
ISI-97003-B	RHR Suction A	W-14	Branch-to-Flange	B 9. 11										
ISI-97003-B	RHR Suction A	W-15	Pipe-to-Pipe	B 9. 11										
ISI-97003-B	RHR Suction A	W-16	Pipe-to-Valve	B 9. 11										
ISI-97003-B	RHR Suction A	W-17	Valve-to-Elbow	B 9. 11			S							
ISI-97003-B	RHR Suction A	W-18	Elbow-to-Pipe	B 9. 11			S							
ISI-97003-B	RHR Suction A	W-19	Pipe-to-Elbow	B 9. 11										
ISI-97003-B	RHR Suction A	W-20	Elbow-to-Pipe	B 9. 11										
ISI-97003-B	RHR Suction A	W-21	Pipe-to-Elbow	B 9. 11				S						
ISI-97003-B	RHR Suction A	W-22	Elbow-to-Pipe	B 9. 11				S						
ISI-97003-B	RHR Suction A	W-23	Pipe-to-Pipe	B 9. 11	DD ;									
ISI-97003-B	RHR Suction A	W-24	Pipe-to-Pipe	B 9. 11									S	
ISI-97003-B	RHR Suction A	W-25	Pipe-to-Valve	B 9. 11										
ISI-97004-A	RHR Return B	B- 1	Valve Bolts	B 7. 70									S	
ISI-97004-A	RHR Return B	B- 2	Valve Bolts	B 7. 70					S					
ISI-97004-A	RHR Return B	B- 3	Flange Bolts	B 7. 50					S					
ISI-97004-A	RHR Return B	B- 4	Flange Bolts	B 7. 50								S		
ISI-97004-A	RHR Return B	B- 5	Valve Bolts	B 7. 70				S						
ISI-97004-A	RHR Return B	H- 1	Variable / Slide	F-A,B,C					S					
ISI-97004-A	RHR Return B	H- 2	Variable/Slide/Clamp	F-A,B,C					S					
ISI-97004-A	RHR Return B	H- 3	Snubber / Clamp	F-A,B,C								S		
ISI-97004-A	RHR Return B	H- 4	Snubber / Clamp	F-A,B,C								S		
ISI-97004-A	RHR Return B	V- 1	Valve Internals	B12. 50	HH ;*4 ;	I								

Third Interval
Summary

Monticello Generating Plant
In Service Inspection Program Plan and Schedule

Reference: ASME Section XI
1986, Edition

ISO	System	Item	Item Description	ASME Item Number	Notes (* = Relief Request)	Schedule							
						1993	1994	1996	1998	1999	2002		
ISI-97004-A	RHR Return B	V- 2	Valve Internals	B12. 50	HH ;*4 ;								
ISI-97004-A	RHR Return B	V- 3	Valve Internals	B12. 50	HH ;*4 ;								
ISI-97004-A	RHR Return B	W- 1	Valve-to-Pipe	B 9. 11		I						S	
ISI-97004-A	RHR Return B	W- 2	Pipe-to-Pipe	B 9. 11								S	
ISI-97004-A	RHR Return B	W- 3	Pipe-to-Pipe	B 9. 11	DD ;								
ISI-97004-A	RHR Return B	W- 4	Pipe-to-Elbow	B 9. 11			S						
ISI-97004-A	RHR Return B	W- 5	Elbow-to-Pipe	B 9. 11									
ISI-97004-A	RHR Return B	W- 6	Pipe-to-Elbow	B 9. 11					S				
ISI-97004-A	RHR Return B	W- 7	Elbow-to-Pipe	B 9. 11									
ISI-97004-A	RHR Return B	W- 8	Pipe-to-Valve	B 9. 11									
ISI-97004-A	RHR Return B	W- 9	Valve-to-Pipe	B 9. 11									
ISI-97004-A	RHR Return B	W-10	Pipe-to-Elbow	B 9. 11									
ISI-97004-A	RHR Return B	W-11	Elbow-to-Pipe	B 9. 11									
ISI-97004-A	RHR Return B	W-12	Pipe-to-Weldolet	B 9. 31									
ISI-97004-A	RHR Return B	W-13	Pipe-to-Weldolet	B 9. 31									
ISI-97004-A	RHR Return B	W-14	Weldolet-to-Flange	B 9. 11									
ISI-97004-A	RHR Return B	W-15	Pipe-to-Elbow	B 9. 11									
ISI-97004-A	RHR Return B	W-16	Elbow-to-Pipe	B 9. 11									
ISI-97004-A	RHR Return B	W-17	Pipe-to-Elbow	B 9. 11									
ISI-97004-A	RHR Return B	W-18	Elbow-to-Pipe	B 9. 11									
ISI-97004-A	RHR Return B	W-19	Pipe-to-Elbow	B 9. 11									
ISI-97004-A	RHR Return B	W-20	Elbow-to-Pipe	B 9. 11									
ISI-97004-A	RHR Return B	W-21	Pipe-to-Weldolet	B 9. 31								S	
ISI-97004-A	RHR Return B	W-22 LS U&D	Weldolet-to-Flange	B 9. 11								S	
ISI-97004-A	RHR Return B	W-23	Pipe-to-Valve	B 9. 11									
ISI-97004-A	RHR Return B	W-24	Valve-to-Pipe	B 9. 11									
ISI-97004-A	RHR Return B	W-25 LS U	Pipe-to-Pipe	B 9. 10	CC ;			S					
ISI-97004-A	RHR Return B	W-26 LS U&D	Pipe-to-Reducer	B 9. 10									
ISI-97004-A	RHR Return B	W-27 LS U&D	Reducer-to-Pipe	B 9. 10									
ISI-97004-A	RHR Return B	W-28 LS U&D	Pipe-to-Elbow	B 9. 11									
ISI-97004-A	RHR Return B	W-29 LS U&D	Elbow-to-Pipe	B 9. 10				S					
ISI-97004-A	RHR Return B	W-30 LS U&D	Pipe-to-Tee	B 9. 10									
ISI-97005-A	Recirculation A	B- 1	Valve Bolts	B 7. 70				S					
ISI-97005-A	Recirculation A	B- 2	Pump Bolting	B 6.180	B 6.200			S					
ISI-97005-A	Recirculation A	B- 3	Flange Bolts @ W-17	B 7. 50								S	
ISI-97005-A	Recirculation A	B- 4	Valve Bolts	B 7. 70				S					
ISI-97005-A	Recirculation A	H- 1	Seismic Restraint	F-A,B,C					S				
ISI-97005-A	Recirculation A	H- 11	Sway Brace	F-A,B,C				S					
ISI-97005-A	Recirculation A	H- 2	Dbl Spring / 4 Lugs	F-A,B,C	B10. 10				S				
ISI-97005-A	Recirculation A	H- 3	Sway Brace	F-A,B,C					S				
ISI-97005-A	Recirculation A	H- 4	Seismic Restraint	F-A,B,C					S				
ISI-97005-A	Recirculation A	H- 5	Clevis / Lugs	F-A,B,C	B10. 10				S				
ISI-97005-A	Recirculation A	H- 6	Clevis / Lugs	F-A,B,C	B10. 10				S				
ISI-97005-A	Recirculation A	H- 7	Double Spring	F-A,B,C	B10. 10				S				
ISI-97005-A	Recirculation A	H- 8	Snubber / Lugs	F-A,B,C	B10. 10							S	
ISI-97005-A	Recirculation A	H- 9	Seismic Restraint	F-A,B,C								S	
ISI-97005-A	Recirculation A	H-10	Dbl Spring / 4 Lugs	F-A,B,C	B10. 10				S				
ISI-97005-A	Recirculation A	H-12	Seismic Restraint	F-A,B,C								S	

ISO	System	Item	Item Description	ASME Item Number	Notes (* = Relief Request)	Schedule								
						1993	1994		1996	1998		1999	2002	
ISI-97005-A	Recirculation A	P200A	Pump	B 6.190	*3 ;									
ISI-97005-A	Recirculation A	V- 1	Valve Internals	B12. 50	II ;*4 ;									
ISI-97005-A	Recirculation A	V- 2	Valve Internals	B 7. 70	II ;*4 ;									
ISI-97005-A	Recirculation A	W- 1	Nozzle-to-Safe End	B 5. 10	CC ;		S							
ISI-97005-A	Recirculation A	W- 2 LS U	Safe End-to-Pipe	B 9. 10										
ISI-97005-A	Recirculation A	W- 3 LS U&D	Pipe-to-Elbow	B 9. 10			S							
ISI-97005-A	Recirculation A	W- 4 LS U&D	Elbow-to-Pipe	B 9. 10										
ISI-97005-A	Recirculation A	W- 5 LS U&D	Pipe-to-Tee	B 9. 10					S					
ISI-97005-A	Recirculation A	W- 6 LS U&D	Tee-to-Pipe	B 9. 10										
ISI-97005-A	Recirculation A	W- 7 LS U&D	Pipe-to-Pipe	B 9. 10										
ISI-97005-A	Recirculation A	W- 8 LS U&D	Pipe-to-Pipe	B 9. 10										
ISI-97005-A	Recirculation A	W- 9 LS U&D	Pipe-to-Bent Pipe	B 9. 10					S					
ISI-97005-A	Recirculation A	W-10 LS D	Bent Pipe-to-Valve	B 9. 10										
ISI-97005-A	Recirculation A	W-11 LS U	Valve-to-Pipe	B 9. 10										
ISI-97005-A	Recirculation A	W-12	Pipe-to-Hf Coupling	B 9. 31										
ISI-97005-A	Recirculation A	W-13 LS U&D	Pipe-to-Bent Pipe	B 9. 10										
ISI-97005-A	Recirculation A	W-14 LS D	Bent Pipe-to-Pump	B 9. 10			S							
ISI-97005-A	Recirculation A	W-15 LS U	Pump-to-Pipe	B 9. 10										
ISI-97005-A	Recirculation A	W-16 LS D	Pipe-to-Branch	B 9. 31										
ISI-97005-A	Recirculation A	W-17	Branch-to-Flange	B 9. 40										
ISI-97005-A	Recirculation A	W-18 LS D	Pipe-to-Valve	B 9. 10										
ISI-97005-A	Recirculation A	W-19 LS U&D	Valve-to-Bent Pipe	B 9. 10										
ISI-97005-A	Recirculation A	W-20 LS U&D	Bent Pipe-to-Pipe	B 9. 11										
ISI-97005-A	Recirculation A	W-21 LS U&D	Pipe-to-Pipe	B 9. 10										
ISI-97005-A	Recirculation A	W-22 LS U&D	Pipe-to-Tee	B 9. 10								S		
ISI-97005-A	Recirculation A	W-23 LS U&D	Tee-to-Cross Pipe	B 9. 10										
ISI-97005-B	Recirc Manifold A	H- 1	Restraint	F-A,B,C										
ISI-97005-B	Recirc Manifold A	H- 2	Snubber / Lugs	F-A,B,C	B10. 10					S				
ISI-97005-B	Recirc Manifold A	H- 3	Restraint	F-A,B,C			S							
ISI-97005-B	Recirc Manifold A	H- 4	Restraint	F-A,B,C						S				
ISI-97005-B	Recirc Manifold A	H- 5	Restraint	F-A,B,C			S							
ISI-97005-B	Recirc Manifold A	H- 6	Spring / Lugs	F-A,B,C	B10. 10		S							
ISI-97005-B	Recirc Manifold A	H- 7	Restraint	F-A,B,C			S							
ISI-97005-B	Recirc Manifold A	H- 8	Restraint	F-A,B,C			S							
ISI-97005-B	Recirc Manifold A	H- 9	Restraint	F-A,B,C			S							
ISI-97005-B	Recirc Manifold A	H-10	Restraint	F-A,B,C									S	
ISI-97005-B	Recirc Manifold A	H-11	Spring / Lugs	F-A,B,C	B10. 10								S	
ISI-97005-B	Recirc Manifold A	H-12	Snubber / Lugs	F-A,B,C	B10. 10								S	
ISI-97005-B	Recirc Manifold A	H-13	Restraint	F-A,B,C									S	
ISI-97005-B	Recirc Manifold A	W- 1 LS U&D	CrossPipe-to-Reducer	B 9. 10										
ISI-97005-B	Recirc Manifold A	W- 2 LS D	Reducer-to-Pipe	B 9. 10										
ISI-97005-B	Recirc Manifold A	W- 3	Pipe-to-Safe End	B 9. 11										
ISI-97005-B	Recirc Manifold A	W- 4	Safe End-to-Nozzle	B 5. 10	CC ;					S				
ISI-97005-B	Recirc Manifold A	W- 5 LS U	Cross Pipe-to-Pipe	B 9. 10						S				
ISI-97005-B	Recirc Manifold A	W- 6 LS U&D	Pipe-to-Pipe	B 9. 10										
ISI-97005-B	Recirc Manifold A	W- 7 LS U&D	Pipe-to-Tee	B 9. 10										
ISI-97005-B	Recirc Manifold A	W- 8 LS U&D	Tee-to-Pipe	B 9. 10										
ISI-97005-B	Recirc Manifold A	W- 9 LS D	Pipe-to-Pipe	B 9. 11						S				

ISO	System	Item	Item Description	ASME Item Number	Notes (* = Relief Request)	Schedule								
						1993	1994		1996	1998		1999	2002	
ISI-97005-B	Recirc Manifold A	W-10	Pipe-to-Safe End	B 9. 10	.....								
ISI-97005-B	Recirc Manifold A	W-11	Safe End-to-Nozzle	B 5. 10	CC ;					S				
ISI-97005-B	Recirc Manifold A	W-12 LS U&D	Tee-to-Reducer	B 9. 10	.....								
ISI-97005-B	Recirc Manifold A	W-13 LS U&D	Reducer-to-Pipe	B 9. 10	.....								
ISI-97005-B	Recirc Manifold A	W-14 LS U&D	Pipe-to-Elbow	B 9. 10	.....								
ISI-97005-B	Recirc Manifold A	W-15 LS U&D	Elbow-to-Pipe	B 9. 10	.....							S		
ISI-97005-B	Recirc Manifold A	W-16 LS D	Pipe-to-Pipe	B 9. 10	.....							S		
ISI-97005-B	Recirc Manifold A	W-17	Pipe-to-Safe End	B 9. 11	.....								
ISI-97005-B	Recirc Manifold A	W-18	Safe End-to-Nozzle	B 5. 10	CC ;							S		
ISI-97005-B	Recirc Manifold A	W-19 LS U	Cross Pipe-to-Pipe	B 9. 10	.....								
ISI-97005-B	Recirc Manifold A	W-20 LS U&D	Pipe-to-Pipe	B 9. 10	.....								
ISI-97005-B	Recirc Manifold A	W-21 LS U&D	Pipe-to-Tee	B 9. 10	.....		S							
ISI-97005-B	Recirc Manifold A	W-22 LS U&D	Tee-to-Pipe	B 9. 10	.....								
ISI-97005-B	Recirc Manifold A	W-23 LS D	Pipe-to-Pipe	B 9. 10	.....								
ISI-97005-B	Recirc Manifold A	W-24	Pipe-to-Safe End	B 9. 11	.....		S							
ISI-97005-B	Recirc Manifold A	W-25	Safe End-to-Nozzle	B 5. 10	CC ;		S							
ISI-97005-B	Recirc Manifold A	W-26 LS U&D	Tee-to-Reducer	B 9. 10	.....								
ISI-97005-B	Recirc Manifold A	W-27 LS U&D	Reducer-to-Pipe	B 9. 10	.....								
ISI-97005-B	Recirc Manifold A	W-28 LS U&D	Pipe-to-Elbow	B 9. 10	.....								
ISI-97005-B	Recirc Manifold A	W-29 LS D	Elbow-to-Pipe	B 9. 10	.....								
ISI-97005-B	Recirc Manifold A	W-30 LS D	Pipe-to-Pipe	B 9. 10	.....								
ISI-97005-B	Recirc Manifold A	W-31 LS D	Pipe-to-Safe End	B 9. 11	.....								S	
ISI-97005-B	Recirc Manifold A	W-32	Safe End-to-Nozzle	B 5. 10	CC ;								S	
ISI-97005-C	Recirc Pump A	H- 1	Rod / Clevis Grip	F-A,B,C B10. 20	.....			S						
ISI-97005-C	Recirc Pump A	H- 2	Rod / Clevis Grip	F-A,B,C B10. 20	.....				S					
ISI-97005-C	Recirc Pump A	H- 3	Rod / Clevis Grip	F-A,B,C B10. 20	.....				S					
ISI-97005-C	Recirc Pump A	H- 4	Snubber / Lugs	F-A,B,C B10. 20	.....		S							
ISI-97005-C	Recirc Pump A	H- 5	Snubber / Lugs	F-A,B,C B10. 20	.....		S							
ISI-97005-C	Recirc Pump A	H- 6	Snubber / Lugs	F-A,B,C B10. 20	.....			S						
ISI-97005-C	Recirc Pump A	H- 7	Snubber / Lugs	B10. 20 F-A,B,C	.....								S	
ISI-97005-C	Recirc Pump A	H- 8	Snubber / Lugs	F-A,B,C B10. 20	.....							S		
ISI-97005-C	Recirc Pump A	H- 9	Snubber / Lugs	B10. 20 F-A,B,C	.....							S		
ISI-97005-C	Recirculation A	H-10	Restraint	F-A,B,C	.....								S	
ISI-97006-A	Recirculation B	B- 1	Bolts	B 7. 70	.....				S					
ISI-97006-A	Recirculation B	B- 2	RC Pump B Studs	B 6.180 B 6. 200	.....		S							
ISI-97006-A	Recirculation B	B- 3	Flange Bolts @ W-16	B 7. 50	.....		S							
ISI-97006-A	Recirculation B	B- 4	Bolts	B 7. 70	.....		S							
ISI-97006-A	Recirculation B	H- 1	Restraint	F-A,B,C	.....							S		
ISI-97006-A	Recirculation B	H- 2	Sway Brace	F-A,B,C	.....		S							
ISI-97006-A	Recirculation B	H- 3	Dbl Spring / 4 Lugs	F-A,B,C B10. 10	.....		S							
ISI-97006-A	Recirculation B	H- 3	Clevis / Lugs	B10. 10 F-A,B,C	.....				S					
ISI-97006-A	Recirculation	H- 4	Restraint	F-A,B,C	.....		S							
ISI-97006-A	Recirculation B	H- 6	Clevis / Lugs	F-A,B,C B10. 10	.....				S					
ISI-97006-A	Recirculation B	H- 7	Dbl Spring / Lugs	F-A,B,C B10. 30	.....		S							
ISI-97006-A	Recirculation B	H- 8	Snubber / Lugs	F-A,B,C B10. 10	.....		S							
ISI-97006-A	Recirculation	H- 9	Restraint	F-A,B,C	.....				S					
ISI-97006-A	Recirculation B	H-10	Dbl Spring	F-A,B,C B10. 10	.....				S					
ISI-97006-A	Recirculation B	H-11	Sway Brace	F-A,B,C	.....				S					

ISO	System	Item	Item Description	ASME Item Number	Notes (* = Relief Request)	Schedule								
						1993	1994		1996	1998		1999	2002	
ISI-97006-A	Recirculation B	H-12	Restraint	F-A,B,C	.....				S					
ISI-97006-A	Recirculation B	P200-B	Pump	B12. 20 B 6. 190	*3 ;									
ISI-97006-A	Recirculation B	V- 1	Valve Body	B12. 50	II ;*4 ;									
ISI-97006-A	Recirculation B	V- 2	Valve Body	B12. 50	II ;*4 ;									
ISI-97006-A	Recirculation B	W- 1	Nozzle-to-Safe End	B 5. 10	CC ;								S	
ISI-97006-A	Recirculation B	W- 2 LS U	Safe End-to-Pipe	B 9. 10	.....								S	
ISI-97006-A	Recirculation B	W- 3 LS U&D	Pipe-to-Elbow	B 9. 10	.....								
ISI-97006-A	Recirculation B	W- 4 LS U&D	Elbow-to-Pipe	B 9. 11	.....								
ISI-97006-A	Recirculation B	W- 5 LS U&D	Pipe-to-Branch	B 9. 31	.....								S	
ISI-97006-A	Recirculation B	W- 6 LS U&D	Pipe-to-Pipe	B 9. 10	.....								
ISI-97006-A	Recirculation B	W- 7 LS U&D	Pipe-to-Pipe	B 9. 10	.....								
ISI-97006-A	Recirculation B	W- 8 LS U&D	Pipe-to-Bent Pipe	B 9. 10	.....								
ISI-97006-A	Recirculation B	W- 9 LS D	Bent Pipe-to-Valve	B 9. 10	.....								
ISI-97006-A	Recirculation B	W-10 LS U	Valve-to-Pipe	B 9. 11	.....								
ISI-97006-A	Recirculation B	W-11 LS U&D	Pipe-to-Branch	B 9. 31	.....				S					
ISI-97006-A	Recirculation B	W-12 LS U&D	Pipe-to-Bent Pipe	B 9. 10	.....								
ISI-97006-A	Recirculation B	W-13 LS D	Bent Pipe-to-Pump	B 9. 10	.....								
ISI-97006-A	Recirculation B	W-14 LS U	Pump-to-Pipe	B 9. 10	.....		S							
ISI-97006-A	Recirculation B	W-15	Pipe-to-Branch	B 9. 31	.....								
ISI-97006-A	Recirculation B	W-16	Branch-to-Flange	B 9. 40	.....								
ISI-97006-A	Recirculation B	W-17 LS D	Pipe-to-Valve	B 9. 10	.....		S							
ISI-97006-A	Recirculation B	W-18 LS U	Valve-to-Bent Pipe	B 9. 10	.....		S							
ISI-97006-A	Recirculation B	W-19 LS U&D	Bent Pipe-to-Pipe	B 9. 10	.....		S							
ISI-97006-A	Recirculation B	W-20 LS U&D	Pipe-to-Pipe	B 9. 10	.....								
ISI-97006-A	Recirculation B	W-21 LS U&D	Pipe-to-Tee	B 9. 11	.....								
ISI-97006-A	Recirculation B	W-22 LS U&D	Tee-to-Cross Pipe	B 9. 10	.....								
ISI-97006-B	Recirc Manifold B	H- 1	Restraint	F-A,B,C	.....								S	
ISI-97006-B	Recirc Manifold B	H- 2	Snubber / Lugs	F-A,B,C B10. 10	.....								S	
ISI-97006-B	Recirc Manifold B	H- 3	Spring / Lugs	F-A,B,C B10. 10	.....		S							
ISI-97006-B	Recirc Manifold B	H- 4	Restraint	F-A,B,C	.....		S							
ISI-97006-B	Recirc Manifold B	H- 5	Restraint	F-A,B,C	.....								S	
ISI-97006-B	Recirc Manifold B	H- 6	Restraint	F-A,B,C	.....		S							
ISI-97006-B	Recirc Manifold B	H- 7	Restraint	F-A,B,C	.....				S					
ISI-97006-B	Recirc Manifold B	H- 8	Restraint	F-A,B,C	.....				S					
ISI-97006-B	Recirc Manifold B	H- 9	Restraint	F-A,B,C	.....		S							
ISI-97006-B	Recirc Manifold B	H-10	Spring / Lugs	F-A,B,C B10. 10	.....					S				
ISI-97006-B	Recirc Manifold B	H-11	Restraint	F-A,B,C	.....					S				
ISI-97006-B	Recirc Manifold B	H-12	Restraint	B10. 10	.....		S							
ISI-97006-B	Recirc Manifold B	H-13	Restraint	F-A,B,C	.....		S							
ISI-97006-B	Recirc Manifold B	W- 1 LS U&D	Cross Pipe-to-Reduce	B 9. 10	.....								
ISI-97006-B	Recirc Manifold B	W- 2 LS D	Reducer-to-Pipe	B 9. 10	.....								
ISI-97006-B	Recirc Manifold B	W- 3	Pipe-to-Safe End	B 9. 11	.....								
ISI-97006-B	Recirc Manifold B	W- 4	Safe End-to-Nozzle	B 5. 10	CC ;								S	
ISI-97006-B	Recirc Manifold B	W- 5 LS U	Cross Pipe-to-Pipe	B 9. 10	.....								
ISI-97006-B	Recirc Manifold B	W- 6 LS U&D	Pipe-to-Pipe	B 9. 10	.....								
ISI-97006-B	Recirc Manifold B	W- 7 LS U&D	Pipe-to-Tee	B 9. 10	.....								
ISI-97006-B	Recirc Manifold B	W- 8 LS U&D	Tee-to-Pipe	B 9. 10	.....								
ISI-97006-B	Recirc Manifold B	W- 9 LS D	Pipe-to-Pipe	B 9. 10	.....								

Third Interval
Summary

Monticello Generating Plant
In Service Inspection Program Plan and Schedule

Reference: ASME Section XI
1986, Edition

ISO	System	Item	Item Description	ASME Item Number	Notes (*=Relief Request)	Schedule							
						1993	1994		1996	1998		1999	2002
ISI-97006-B	Recirc Manifold B	W-10	Pipe-to-Safe End	B 9. 11	.....	.....	.....	.....	.....	.....	.....	.....	.....
ISI-97006-B	Recirc Manifold B	W-11	Safe End-to-Nozzle	B 5. 10	CC ;.....	.....	S	.....	.....	.....	.....	.....	.....
ISI-97006-B	Recirc Manifold B	W-12 LS U&D	Pipe-to-Reducer	B 9. 10	.....	.....	S	.....	.....	.....	.....	.....	.....
ISI-97006-B	Recirc Manifold B	W-13 LS U&D	Reducer-to-Pipe	B 9. 11	.....	.....	S	.....	.....	.....	.....	.....	.....
ISI-97006-B	Recirc Manifold B	W-14 LS U&D	Pipe-to-Elbow	B 9. 11	.....	.....	S	.....	.....	.....	.....	.....	.....
ISI-97006-B	Recirc Manifold B	W-15 LS U&D	Elbow-to-Pipe	B 9. 10	.....	.....		.....	.....	.....	.....	.....	.....
ISI-97006-B	Recirc Manifold B	W-16 LS D	Pipe-to-Pipe	B 9. 10	.....	.....		.....	.....	.....	.....	.....	.....
ISI-97006-B	Recirc Manifold B	W-17	Pipe-to-Safe End	B 9. 11	.....	.....		.....	.....	.....	.....	.....	.....
ISI-97006-B	Recirc Manifold B	W-18	Safe End-to-Nozzle	B 5. 10	CC ;.....	.....		S	.....	.....	.....	.....	.....
ISI-97006-B	Recirc Manifold B	W-19 LS U	Cross Pipe-to-Pipe	B 9. 10	.....	.....			.....	.....	.....	.....	.....
ISI-97006-B	Recirc Manifold B	W-20 LS U&D	Pipe-to-Pipe	B 9. 10	.....	.....			.....	.....	.....	.....	.....
ISI-97006-B	Recirc Manifold B	W-21 LS U&D	Pipe-to-Tee	B 9. 10	.....	.....		S	.....	.....	.....	.....	.....
ISI-97006-B	Recirc Manifold B	W-22 LS U&D	Pipe-to-Pipe	B 9. 10	.....	.....			.....	.....	.....	S	.....
ISI-97006-B	Recirc Manifold B	W-23 LS D	Pipe-to-Pipe	B 9. 10	.....	.....			.....	.....	.....	S	.....
ISI-97006-B	Recirc Manifold B	W-24	Pipe-to-Safe End	B 9. 10	.....	.....			.....	.....	.....	S	.....
ISI-97006-B	Recirc Manifold B	W-25	Safe-End-to-Nozzle	B 5. 10	CC ;.....	.....			.....	.....	.....	S	.....
ISI-97006-B	Recirc Manifold B	W-26 LS U&D	Tee-to-Reducer	B 9. 10	.....	.....			.....	.....	.....	.....	.....
ISI-97006-B	Recirc Manifold B	W-27 LS U&D	Reducer-to-Pipe	B 9. 10	.....	.....			.....	.....	.....	.....	.....
ISI-97006-B	Recirc Manifold B	W-28 LS U&D	Pipe-to-Elbow	B 9. 10	.....	.....			.....	.....	.....	.....	.....
ISI-97006-B	Recirc Manifold B	W-29 LS U&D	Elbow-to-Pipe	B 9. 10	.....	.....			.....	.....	.....	.....	.....
ISI-97006-B	Recirc Manifold B	W-30 LS D	Pipe-to-Pipe	B 9. 10	.....	.....			.....	.....	.....	.....	.....
ISI-97006-B	Recirc Manifold B	W-31	Pipe-to-Safe End	B 9. 11	.....	.....			.....	.....	.....	.....	.....
ISI-97006-B	Recirc Manifold B	W-32	Safe End-to-Nozzle	B 5. 10	CC ;.....	.....		S	.....	.....	.....	.....	.....
ISI-97006-C	Recirc Pump B	H- 1	Rod/Clevis Grip/Lugs	F-A,B,C B10. 20	.....	.....			S	.....	.....	.....	.....
ISI-97006-C	Recirc Pump B	H- 2	Rod/Clevis Grip/Lugs	F-A,B,C B10. 20	.....	.....				.....	S	.....	.....
ISI-97006-C	Recirc Pump B	H- 3	Rod/Clevis Grip/Lugs	F-A,B,C B10. 20	.....	.....				.....	S	.....	.....
ISI-97006-C	Recirc Pump B	H- 4	Snubber / Lugs	F-A,B,C B10. 20	.....	.....				.....		S	.....
ISI-97006-C	Recirc Pump B	H- 5	Snubber / Lugs	F-A,B,C B10. 20	.....	.....				.....		S	.....
ISI-97006-C	Recirc Pump B	H- 6	Snubber / Lugs	F-A,B,C B10. 20	.....	.....			S	.....	.....	.....	.....
ISI-97006-C	Recirc Pump B	H- 7	Snubber / Lugs	F-A,B,C B10. 20	.....	.....			S	.....	.....	.....	.....
ISI-97006-C	Recirc Pump B	H- 8	Snubber / Lugs	F-A,B,C B10. 20	.....	.....				S	.....	.....	.....
ISI-97006-C	Recirc Pump B	H- 9	Snubber / Lugs	F-A,B,C B10. 20	.....	.....				S	.....	.....	.....
ISI-97006-C	Recirc Pump B	H-10	Restraint	F-A,B,C	.....	.....			S	.....	.....	.....	.....
ISI-97007-A	Instrmt Nozzle N-11B	W- 1	Nozzle-to-Safe End	B 5. 20	.....	.....			S	.....	.....	.....	.....
ISI-97007-A	Instrmt Nozzle N-11B	W- 2	Safe End-to-Coupling	B 9. 40	.....	.....			S	.....	.....	.....	.....
ISI-97007-A	Instrmt Nozzle N-11B	W- 3	Coupling-to-Pipe	B 9. 40	.....	.....				.....	.....	.....	.....
ISI-97007-A	Instrmt Nozzle N-11B	W- 4	Pipe-to-Coupling	B 9. 40	.....	.....				.....	.....	.....	.....
ISI-97007-A	Instrmt Nozzle N-11B	W- 5	Coupling-to-Pipe	B 9. 40	.....	.....				.....	.....	.....	.....
ISI-97007-A	Instrmt Nozzle N-11B	W- 6	Pipe-to-Tee	B 9. 40	.....	.....				.....	.....	.....	.....
ISI-97007-A	Instrmt Nozzle N-11B	W- 7	Tee-to-Reducer	B 9. 40	.....	.....				.....	.....	.....	.....
ISI-97008-A	Instrmt Nozzle N-11A	W- 1	Nozzle-to-Safe-End	B 5. 20	.....	.....			S	.....	.....	.....	.....
ISI-97008-A	Instrmt Nozzle N-11A	W- 2	Safe End-to-Coupling	B 9. 40	.....	.....			S	.....	.....	.....	.....
ISI-97008-A	Instrmt Nozzle N-11A	W- 3	Coupling-to-Pipe	B 9. 40	.....	.....			S	.....	.....	.....	.....
ISI-97008-A	Instrmt Nozzle N-11A	W- 5	Tee-to-Reducer	B 9. 40	.....	.....				.....	.....	.....	.....
ISI-97008-A	Instrmt Nozzle N-11A	W- 6	Pipe-to-Tee	B 9. 40	.....	.....				.....	.....	.....	.....
ISI-97027-A	RHR Equalizer	H- 1	Spring / Clamp	F-A,B,C	.....	.....			S	.....	.....	.....	.....
ISI-97027-A	RHR Equalizer	H- 2	Snubber / Clamp	F-A,B,C	.....	.....				S	.....	.....	.....
ISI-97027-A	RHR Equalizer	H- 3	Snubber / Clamp	F-A,B,C	.....	.....					S	.....	.....

ISO	System	Item	Item Description	ASME Item Number	Notes (*=Relief Request)	Schedule								
						1993	1994		1996	1998		1999	2002	
ISI-97027-A	RHR Equalizer	H- 4	Spring / Clamp	F-A,B,C								S		
ISI-97027-A	RHR Equalizer	W- 1	Weldolet-to-Pipe	B 9. 11										
ISI-97027-A	RHR Equalizer	W- 2	Pipe-to-Elbow	B 9. 11			S							
ISI-97027-A	RHR Equalizer	W- 3	Elbow-to-Pipe	B 9. 11										
ISI-97027-A	RHR Equalizer	W- 4	Pipe-to-Valve	B 9. 11										
ISI-97027-A	RHR Equalizer	W- 5	Valve to Pipe	B 9. 11										
ISI-97027-A	RHR Equalizer	W- 6	Pipe-to-Elbow	B 9. 11			S							
ISI-97027-A	RHR Equalizer	W- 7	Elbow-to-Pipe	B 9. 11										
ISI-97027-A	RHR Equalizer	W- 8	Pipe-to-Elbow	B 9. 11										
ISI-97027-A	RHR Equalizer	W- 9	Elbow-to-Pipe	B 9. 11					S					
ISI-97027-A	RHR Equalizer	W-10	Pipe-to-Tee	B 9. 11										
ISI-97027-A	RHR Equalizer	W-11	Tee-to-Pipe	B 9. 11										
ISI-97027-A	RHR Equalizer	W-12	Pipe-to-Valve	B 9. 11										
ISI-97027-A	RHR Equalizer	W-13	Valve to-Pipe	B 9. 11										
ISI-97027-A	RHR Equalizer	W-14	Pipe-to-Elbow	B 9. 11					S					
ISI-97027-A	RHR Equalizer	W-15	Pipe-to-Elbow	B 9. 11					S					
ISI-97027-A	RHR Equalizer	W-16	Pipe-to-Weldolet	B 9. 11										
ISI-97027-A	RHR Equalizer	W-17	Weldolet-to-Pipe	B 9. 11										
ISI-97027-A	RHR Equalizer	W-18	Pipe-to-Elbow	B 9. 11										
ISI-97027-A	RHR Equalizer	W-19	Elbow-to-Pipe	B 9. 11								S		
ISI-97027-A	RHR Equalizer	W-20	Pipe-to-Elbow	B 9. 10										
ISI-97027-A	RHR Equalizer	W-21	Elbow-to-Pipe	B 9. 11										
ISI-97027-A	RHR Equalizer	W-22	Pipe-to-Elbow	B 9. 11								S		
ISI-97027-A	RHR Equalizer	W-23	Elbow-to-Pipe	B 9. 11										
ISI-97027-A	RHR Equalizer	W-24	Pipe-to-Valve	B 9. 11										
ISI-97027-A	RHR Equalizer	W-25	Valve-to-Pipe	B 9. 11										
ISI-97027-A	RHR Equalizer	W-26	Pipe-to-Elbow	B 9. 11										
ISI-97027-A	RHR Equalizer	W-27	Elbow-to-Pipe	B 9. 11										
ISI-97027-A	RHR Equalizer	W-28	Pipe-to-Elbow	B 9. 11								S		
ISI-97027-A	RHR Equalizer	W-29	Elbow-to Pipe	B 9. 11										
ISI-97027-A	RHR Equalizer	W-30	Pipe-to-Tee	B 9. 11										
ND-ISI-100	Service Water	SWH-180	Clevis	IWF								S		
ND-ISI-101	Service Water	SR-563	Seismic Restraint	IWF					S					
ND-ISI-101	Service Water	SR-81	Seismic Restraint	IWF								S		
ND-ISI-101	Service Water	SS-562	Double Strut/Snubber	IWF								S		
ND-ISI-101	Service Water	SWH-308	Base Plate	IWF			S							
ND-ISI-101	Service Water	SWH-309	Base Plate	IWF				S						
ND-ISI-101	Service Water	SWH-310	Base Plate	IWF									S	
ND-ISI-101	Service Water	SWH-311	Base Plate	IWF			S							
ND-ISI-101	Service Water	SWH-312	Seismic Restraint	IWF				S						
ND-ISI-101	Service Water	SWH-313	Seismic Restraint	IWF			S							
ND-ISI-101	Service Water	SWH-375	Strut	IWF				S						
ND-ISI-101	Service Water	SWH-43	Stanchion	IWF									S	
ND-ISI-102	Service Water	SR-213	Seismic Restraint	IWF								S		
ND-ISI-102	Service Water	SR-79	Seismic Restraint	IWF			S							
ND-ISI-102	Service Water	SR-80	Seismic Restraint	IWF			S							
ND-ISI-102	Service Water	SWH-304	Double Spring	IWF				S						
ND-ISI-102	Service Water	SWH-305	Base Plate	IWF					S					

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						1993	1994		1996	1998		1999	2002
ND-ISI-102	Service Water	SWH-306	Base Plate	IWF	S
ND-ISI-102	Service Water	SWH-307	Base Plate	IWF	.....	.....	.....	S	.....	.....	.....	.....	.....
ND-ISI-102	Service Water	SWH-31	Seismic Restraint	IWF	.....	.....	.....	.....	.....	.....	.....	S	.....
ND-ISI-102	Service Water	SWH-32	Restraint	IWF	.....	.....	S	.....	.....	.....	.....	.....	.....
ND-ISI-103	RHR Service Water	SR-394	Seismic Restraint	IWF	.....	.....	.....	.....	S	.....	.....	.....	.....
ND-ISI-103	RHR Service Water	SR-395	Seismic Restraint	IWF	.....	.....	.....	.....	.....	.....	S	.....	.....
ND-ISI-103	RHR Service Water	SR-396	Seismic Restraint	IWF	.....	.....	S	.....	.....	.....	.....	.....	.....
ND-ISI-103	RHR Service Water	SR-459	Seismic Restraint	IWF	.....	.....	.....	S	.....	.....	.....	.....	.....
ND-ISI-103	RHR Service Water	SR-464	Strut	IWF	.....	.....	.....	.....	.....	.....	.....	S	.....
ND-ISI-103	RHR Service Water	SR-84	Seismic Restraint	IWF	.....	.....	S	.....	.....	.....	.....	.....	.....
ND-ISI-103	RHR Service Water	SWH-161	Rod & Strut	IWF	.....	.....	.....	.....	S	.....	.....	.....	.....
ND-ISI-104	Service Water	SR-460	Seismic Restraint	IWF	.....	.....	S	.....	.....	.....	.....	.....	.....
ND-ISI-104	Service Water	SR-461	Seismic Restraint	IWF	.....	.....	.....	.....	.....	.....	S	.....	.....
ND-ISI-104	Service Water	SR-462	Seismic Restraint	IWF	.....	.....	.....	S	.....	.....	.....	.....	.....
ND-ISI-104	Service Water	SR-463	Rod	IWF	.....	.....	.....	.....	S	.....	.....	.....	.....
ND-ISI-104	Service Water	SR-473	Rod	IWF	.....	.....	.....	.....	.....	.....	.....	S	.....
ND-ISI-104	Service Water	SWH-45	Rod	IWF	.....	.....	S	.....	.....	.....	.....	S	.....
ND-ISI-105	Service Water	SR-481	Seismic Restraint	IWF	.....	.....	.....	.....	.....	.....	.....	S	.....
ND-ISI-105	Service Water	SR-482	Seismic Restraint	IWF	.....	.....	.....	.....	S	.....	.....	.....	.....
ND-ISI-105	Service Water	SR-90A	Rod	IWF	.....	.....	S	.....	.....	.....	.....	.....	.....
ND-ISI-105	Service Water	SW-21	Rod	IWF	.....	.....	.....	S	.....	.....	.....	.....	.....
ND-ISI-105	Service Water	SW-22	Rod	IWF	.....	.....	S	.....	.....	.....	.....	.....	.....
ND-ISI-105	Service Water	SWH-483	Rod	IWF	.....	.....	.....	.....	.....	.....	S	.....	.....
ND-ISI-106	Service Water	SR-18	Rod	IWF	.....	.....	S	.....	.....	.....	.....	.....	.....
ND-ISI-106	Service Water	SR-398	Seismic Restraint	IWF	.....	.....	.....	S	.....	.....	.....	.....	.....
ND-ISI-106	Service Water	SR-450	Strut	IWF	.....	.....	.....	.....	.....	.....	S	.....	.....
ND-ISI-106	Service Water	SR-457	Anchor	IWF	.....	.....	.....	S	.....	.....	.....	.....	.....
ND-ISI-106	Service Water	SR-95	Seismic Restraint	IWF	.....	.....	.....	.....	S	.....	.....	.....	.....
ND-ISI-106	Service Water	SR-97	Seismic Restraint	IWF	.....	.....	.....	.....	.....	.....	.....	S	.....
ND-ISI-106	Service Water	SW-15	Rod	IWF	.....	.....	S	.....	.....	.....	.....	.....	.....
ND-ISI-106	Service Water	SW-16	Rod	IWF	.....	.....	.....	.....	.....	.....	S	.....	.....
ND-ISI-106	Service Water	SW-4A	Seismic Restraint	IWF	.....	.....	S	.....	.....	.....	.....	.....	.....
ND-ISI-107	Service Water	IS-SWH-75	Rod	IWF	.....	.....	.....	.....	.....	.....	.....	S	.....
ND-ISI-107	Service Water	IS-SWH-76	Rod	IWF	.....	.....	S	.....	.....	.....	.....	.....	.....
ND-ISI-107	Service Water	SR-105	Stanchion	IWF	.....	.....	.....	S	.....	.....	.....	.....	.....
ND-ISI-107	Service Water	SR-397	Double Strut	IWF	.....	.....	.....	.....	S	.....	.....	.....	.....
ND-ISI-107	Service Water	SR-399	Seismic Restraint	IWF	.....	.....	S	.....	.....	.....	.....	.....	.....
ND-ISI-107	Service Water	SR-451	Seismic Restraint	IWF	.....	.....	S	.....	.....	.....	.....	.....	.....
ND-ISI-107	Service Water	SR-452	Seismic Restraint	IWF	.....	.....	.....	.....	S	.....	.....	.....	.....
ND-ISI-107	Service Water	SR-453	Seismic Restraint	IWF	.....	.....	.....	.....	.....	.....	.....	S	.....
ND-ISI-107	Service Water	SR-454	Seismic Restraint	IWF	.....	.....	.....	.....	.....	.....	.....	.....	.....
ND-ISI-107	Service Water	SR-455	Seismic Restraint	IWF	.....	.....	.....	S	.....	.....	.....	.....	.....
ND-ISI-107	Service Water	SR-456	Strut	IWF	.....	.....	.....	.....	.....	.....	.....	.....	.....
ND-ISI-107	Service Water	SR-469	Seismic Restraint	IWF	.....	.....	.....	.....	.....	.....	S	.....	.....
ND-ISI-107	Service Water	SWH-72A	Stanchion	IWF	.....	.....	.....	.....	S	.....	.....	.....	.....
ND-ISI-107	Service Water	SWH-72B	Stanchion	IWF	.....	.....	.....	.....	.....	.....	.....	S	.....
ND-ISI-107	Service Water	SWH-8	Dead Weight Support	IWF	S
ND-ISI-108	Service Water	IS-SWH-65	Stanchion	IWF	S

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						1993	1994		1996	1998		1999	2002	
ND-ISI-108	Service Water	IS-SWH-66	Stanchion	IWF						S				
ND-ISI-108	Service Water	ISI-SWH-69	Rod	IWF			S							
ND-ISI-108	Service Water	ISI-SWH-70	Dead Weight Support	IWF								S		
ND-ISI-108	Service Water	SR-100	Double Rod	IWF			S							
ND-ISI-108	Service Water	SR-103	Double Rod	IWF										
ND-ISI-108	Service Water	SR-104	Seismic Restraint	IWF				S						
ND-ISI-108	Service Water	SR-106	Stanchion	IWF			S							
ND-ISI-108	Service Water	SR-382	Strut	IWF								S		
ND-ISI-108	Service Water	SR-383	Strut	IWF				S						
ND-ISI-108	Service Water	SR-384	Strut	IWF					S					
ND-ISI-108	Service Water	SR-385	Strut	IWF									S	
ND-ISI-108	Service Water	SR-386	Strut	IWF									S	
ND-ISI-108	Service Water	SR-400	Strut	IWF									S	
ND-ISI-108	Service Water	SR-401	Strut	IWF								S		
ND-ISI-108	Service Water	SWH-11	Rod	IWF					S					
ND-ISI-108	Service Water	SWH-9	Rod	IWF				S						
ND-ISI-108	Service Water	SWH-9A	Rod	IWF										
ND-ISI-109	Service Water	SR-337	Strut	IWF			S							
ND-ISI-109	Service Water	SR-402	Strut	IWF										
ND-ISI-109	Service Water	SR-458	Anchor	IWF				S						
ND-ISI-109	Service Water	SR-491	Double Strut	IWF									S	
ND-ISI-109	Service Water	SR-492	Strut	IWF				S						
ND-ISI-109	Service Water	SR-94	Seismic Restraint	IWF					S					
ND-ISI-109	Service Water	SR-96	Seismic Restraint	IWF			S							
ND-ISI-109	Service Water	SW-24	Rod	IWF				S						
ND-ISI-109	Service Water	SW-26	Rod	IWF					S					
ND-ISI-109	Service Water	SW-48	Seismic Restraint	IWF								S		
ND-ISI-109	Service Water	SWH-490	Rod	IWF									S	
ND-ISI-109	Service Water	SWH-498	Rod	IWF								S		
ND-ISI-110	Service Water	SR-494	Strut	IWF				S						
ND-ISI-110	Service Water	SR-91	Seismic Restraint	IWF			S							
ND-ISI-110	Service Water	SW-29	Rod	IWF								S		
ND-ISI-110	Service Water	SWH-493	Rod	IWF							S			
ND-ISI-111	Service Water	SR-88	Stanchion	IWF									S	
ND-ISI-123	Emergency Svc Water	H-201	Rod	IWF		S								
ND-ISI-123	Emergency Svc Water	H-202	Rod	IWF					S					
ND-ISI-123	Emergency Svc Water	H-203	Rod	IWF								S		
ND-ISI-123	Emergency Svc Water	H-204	Rod	IWF									S	
ND-ISI-123	Emergency Svc Water	H-205	Rod	IWF				S						
ND-ISI-141	Combustible Gas Ctrl	SH-195	Spring	IWF			S							
ND-ISI-141	Combustible Gas Ctrl	SH-221	Spring	IWF									S	
ND-ISI-141	Combustible Gas Ctrl	SR-220	Seismic Restraint	IWF				S						
ND-ISI-141	Combustible Gas Ctrl	SR-224	Seismic Restraint	IWF								S		
ND-ISI-141	Combustible Gas Ctrl	SR-236	Anchor	IWF					S					
ND-ISI-141	Combustible Gas Ctrl	SR-265	Seismic Restraint	IWF								S		
ND-ISI-141	Combustible Gas Ctrl	SR-285	Anchor	IWF										
ND-ISI-142	Combustible Gas Ctrl	SR-226	Anchor	IWF			S							
ND-ISI-142	Combustible Gas Ctrl	SR-228	Seismic Restraint	IWF					S					

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						1993	1994		1996	1998		1999	2002	
ND-ISI-142	Combustible Gas Ctrl	SR-229	Spring	IWF					S					
ND-ISI-142	Combustible Gas Ctrl	SR-230	Seismic Restraint	IWF									S	
ND-ISI-144	Combustible Gas Ctrl	SH-227	Double Spring	IWF					S					
ND-ISI-144	Combustible Gas Ctrl	SR-181	Seismic Restraint	IWF					S					
ND-ISI-144	Combustible Gas Ctrl	SR-190	Anchor	IWF			S							
ND-ISI-144	Combustible Gas Ctrl	SR-210	Seismic Restraint	IWF									S	
ND-ISI-144	Combustible Gas Ctrl	SR-211	Snubber	IWF								S		
ND-ISI-144	Combustible Gas Ctrl	SR-225	Seismic Restraint	IWF								S		
ND-ISI-144	Combustible Gas Ctrl	SR-260	Seismic Restraint	IWF									S	
ND-ISI-145	Combustible Gas Ctrl	SH-280	Spring	IWF									S	
ND-ISI-145	Combustible Gas Ctrl	SH-300	Spring	IWF					S					
ND-ISI-145	Combustible Gas Ctrl	SR-290	Seismic Restraint	IWF					S					
ND-ISI-145	Combustible Gas Ctrl	SR-325	Seismic Restraint	IWF										
New Fig 1	Top Head	B- 1	N-6B Flange Bolts	B 7. 10			S							
New Fig 1	Reactor Vessel	N- 6A IR	N- 6A Inner Radius	B 3.100				S						
New Fig 1	Reactor Vessel	N- 6A NV	Nozzle/Head Weld	B 3. 90				S						
New Fig 1	Reactor Vessel	N- 6B IR	N- 6B Inner Radius	B 3.100								S		
New Fig 1	Reactor Vessel	N- 6B NV	N- 6B Noz/Head Weld	B 3. 90								S		
New Fig 1	Reactor Vessel	N- 7 IR	N- 7 Inner Radius	B 3.100					S					
New Fig 1	Reactor Vessel	N- 7 NV	N- 7 Noz/Head Weld	B 3. 90					S					
New Fig 1	Reactor Vessel	W- 1	T.H. Circ. Weld	B 1. 21			S		S				S	
New Fig 1	Reactor Vessel	W- 2	T.H. Meridional Weld	B 1. 22										
New Fig 1	Reactor Vessel	W- 3	T.H. Meridional Weld	B 1. 22										
New Fig 1	Reactor Vessel	W- 4	T.H. Meridional Weld	B 1. 22				S						
New Fig 1	Reactor Vessel	W- 5	T.H. Meridional Weld	B 1. 22										
New Fig 1	Reactor Vessel	W- 6	T.H. Meridional Weld	B 1. 22										
New Fig 1	Reactor Vessel	W- 7	T.H. Meridional Weld	B 1. 22										
New Fig 1	Reactor Vessel	W- 8	T.H. Flange Weld	B 1. 40			S		S			S		
New Fig 1	Top Head	W- 9	N- 6B Noz/Flg Weld	B 9. 11								S		
New Fig 1	Head Vent	W-10	N- 7 Noz / Flg Weld	B 9. 11					S					
New Fig 2	CRD Housings	02-23 (Lower)	CRD Housing Weld	B14. 10										
New Fig 2	CRD Housings	02-23 (Upper)	CRD Housing Weld	B14. 10										
New Fig 2	CRD Housings	02-23B	CRD Housing Bolts	B 7. 80										
New Fig 2	CRD Housings	02-27 (Lower)	CRD Housing Weld	B14. 10					S					
New Fig 2	CRD Housings	02-27 (Upper)	CRD Housing Weld	B14. 10					S					
New Fig 2	CRD Housings	02-27B	CRD Housing Bolts	B 7. 80										
New Fig 2	CRD Housings	02-31 (Lower)	CRD Housing Weld	B14. 10								S		
New Fig 2	CRD Housings	02-31 (Upper)	CRD Housing Weld	B14. 10								S		
New Fig 2	CRD Housings	02-31B	CRD Housing Bolts	B 7. 80										
New Fig 2	CRD Housings	06-15 (Lower)	CRD Housing Weld	B14. 10										
New Fig 2	CRD Housings	06-15 (Upper)	CRD Housing Weld	B14. 10										
New Fig 2	CRD Housings	06-15B	CRD Housing Bolts	B 7. 80										
New Fig 2	CRD Housings	06-19 (Lower)	CRD Housing Weld	B14. 10										
New Fig 2	CRD Housings	06-19 (Upper)	CRD Housing Weld	B14. 10										
New Fig 2	CRD Housings	06-19B	CRD Housing Bolts	B 7. 80										
New Fig 2	CRD Housings	06-23 (Lower)	CRD Housing Weld	B14. 10										
New Fig 2	CRD Housings	06-23 (Upper)	CRD Housing Weld	B14. 10										
New Fig 2	CRD Housings	06-23B	CRD Housing Bolts	B 7. 80										

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New Fig 2	CRD Housings	50-27 (Lower)	CRD Housing Weld	B14. 10									
New Fig 2	CRD Housings	50-27 (Upper)	CRD Housing Weld	B14. 10									
New Fig 2	CRD Housings	50-27B	CRD Housing Bolts	B 7. 80	.....								
New Fig 2	CRD Housings	50-31 (Lower)	CRD Housing Weld	B14. 10	.....								
New Fig 2	CRD Housings	50-31 (Upper)	CRD Housing Weld	B14. 10	.....								
New Fig 2	CRD Housings	50-31B	CRD Housing Bolts	B 7. 80	.....								
New Fig 2	CRD Housings	CRD HSNG Row 2		B 7. 10	.....	S								
New Fig 2	CRD Housings	CRD HSNG Row 6		B 7. 10	.....			S						
New Fig 2	CRD Housings	CRD HSNG Row 10		B 7. 10	.....				S					
New Fig 2	CRD Housings	CRD HSNG Row 14		B 7. 10	.....			S						
New Fig 2	CRD Housings	CRD HSNG Row 18		B 7. 10	.....			S						
New Fig 2	CRD Housings	CRD HSNG Row 22		B 7. 10	.....						S			
New Fig 2	CRD Housings	CRD HSNG Row 26		B 7. 10	.....						S			
New Fig 2	CRD Housings	CRD HSNG Row 30		B 7. 10	.....						S			
New Fig 2	CRD Housings	CRD HSNG Row 34		B 7. 10	.....						S			
New Fig 2	CRD Housings	CRD HSNG Row 38		B 7. 10	.....							S		
New Fig 2	CRD Housings	CRD HSNG Row 42		B 7. 10	.....							S		
New Fig 2	CRD Housings	CRD HSNG Row 46		B 7. 10	.....							S		
New Fig 2	CRD Housings	CRD HSNG Row 50		B 7. 10	.....							S		
New Fig 3	Reactor Vessel	N-10 IR	N-10 Inner Radius	B 3.100	.....							S		
New Fig 3	Reactor Vessel	N-10 NV	N-10 Noz/Vsl Weld	B 3. 90	.....							S		
New Fig 3	Reactor Vessel	N-15	N-15	B 4. 11	LL ;									
New Fig 3	Reactor Vessel	W- 1	B.H. Dollar Pl L.S.	B 1. 22	RR ;			S						
New Fig 3	Reactor Vessel	W- 2	B.H. Dollar Pl L.S.	B 1. 22	RR ;						S			
New Fig 3	Reactor Vessel	W- 3	B.H. Circ Weld	B 1. 21	.....		S		S				S	
New Fig 3	Reactor Vessel	W- 4	B.H. Meridional Weld	B 1. 22	.....								
New Fig 3	Reactor Vessel	W- 5	B.H. Meridional Weld	B 1. 22	.....								
New Fig 3	Reactor Vessel	W- 6	B.H. Meridional Weld	B 1. 22	.....								
New Fig 3	Reactor Vessel	W- 7	B.H. Meridional Weld	B 1. 22	.....								
New Fig 3	Reactor Vessel	W- 8	B.H. Meridional Weld	B 1. 22	.....								
New Fig 3	Reactor Vessel	W- 9	B.H. Meridional Weld	B 1. 22	.....								
New Fig 3	Reactor Vessel	W-10	B.H. Meridional Weld	B 1. 22	.....								
New Fig 3	Reactor Vessel	W-11	B.H. Meridional Weld	B 1. 22	.....								
New Fig 3	Reactor Vessel	W-12	B.H. to Skirt Weld	B 8. 10	.....								
New Fig 4	Reactor Vessel	VCBA-2	SC1/SC2 Circ Weld	B 1. 11	*1 ;									
New Fig 4	Reactor Vessel	VCBB-1	B. Head/Vessel	B 1. 21	BB ;		S						S	
New Fig 4	Reactor Vessel	VCBB-3	SC2/SC3 Circ Weld	B 1. 11	.....								
New Fig 4	Reactor Vessel	VCBB-4	SC3/SC4 Circ Weld	B 1. 11	BB ;		S		S		S			
New Fig 4	Reactor Vessel	VCBC-5	Vessel/Flange Weld	B 1. 30	.....		S					S		
New Fig 4	Reactor Vessel	VLAA-1	SC 1 Long Seam	B 1. 12	*1 ;BB ;		S							
New Fig 4	Reactor Vessel	VLAA-2	SC 1 Long Seam	B 1. 12	*1 ;BB ;				S				S	
New Fig 4	Reactor Vessel	VLBA-1	SC 2 Long Seam	B 1. 12	*1 ;									
New Fig 4	Reactor Vessel	VLBA-2	SC 2 Long Seam	B 1. 12	*1 ;									
New Fig 4	Reactor Vessel	VLCB-1	SC 3 Long Seam	B 1. 12	*1 ;BB ;								S	
New Fig 4	Reactor Vessel	VLCB-2	SC 3 Long Seam	B 1. 12	*1 ;BB ;		S							
New Fig 4	Reactor Vessel	VLDB-1	SC 4 Long Seam	B 1. 12	*1 ;								S	
New Fig 4	Reactor Vessel	VLDB-2	SC 4 Long Seam	B 1. 12	*1 ;								S	
New Fig 4	Reactor Vessel	Vsl Stblzr Lugs	4 Stblzr Lugs	B 8. 10	*2 ;									

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New Fig 5	Reactor Vessel	N- 1A IR	N- 1A Inner Radius	B 3.100			S							
New Fig 5	Reactor Vessel	N- 1A NV	N- 1A Vsl/Noz Weld	B 3. 90	BB ;		S							
New Fig 5	Reactor Vessel	N- 1B IR	N- 1B Inner Radius	B 3.100									S	
New Fig 5	Reactor Vessel	N- 1B NV	N- 1B Vsl/Noz Weld	B 3. 90	BB ;								S	
New Fig 5	Reactor Vessel	N- 2A IR	N- 2A Inner Radius	B 3.100			S							
New Fig 5	Reactor Vessel	N- 2A NV	N- 2A Noz/Vsl Weld	B 3. 90			S							
New Fig 5	Reactor Vessel	N- 2B IR	N- 2B Inner Radius	B 3.100									S	
New Fig 5	Reactor Vessel	N- 2B NV	N- 2B Noz / Vsl Weld	B 3. 90									S	
New Fig 5	Reactor Vessel	N- 2C IR	N- 2C Inner Radius	B 3.100								S		
New Fig 5	Reactor Vessel	N- 2C NV	N- 2C Noz/Vsl Weld	B 3. 90								S		
New Fig 5	Reactor Vessel	N- 2D IR	N- 2D Inner Radius	B 3.100										
New Fig 5	Reactor Vessel	N- 2D NV	N- 2D Noz/Vsl Weld	B 3. 90			S							
New Fig 5	Reactor Vessel	N- 2E IR	N- 2E Inner Radius	B 3.100				S						
New Fig 5	Reactor Vessel	N- 2E NV	N- 2E Noz/Vsl Weld	B 3. 90				S						
New Fig 5	Reactor Vessel	N- 2F IR	N- 2F Inner Radius	B 3.100								S		
New Fig 5	Reactor Vessel	N- 2F NV	N- 2F Noz/Vsl Weld	B 3. 90								S		
New Fig 5	Reactor Vessel	N- 2G IR	N- 2G Inner Radius	B 3.100					S					
New Fig 5	Reactor Vessel	N- 2G NV	N- 2G Noz/Vsl Weld	B 3. 90	BB ;				S					
New Fig 5	Reactor Vessel	N- 2H IR	N- 2H Inner Radius	B 3.100					S					
New Fig 5	Reactor Vessel	N- 2H NV	N- 2H Noz/Vsl Weld	B 3. 90					S					
New Fig 5	Reactor Vessel	N- 2J IR	N- 2J Inner Radius	B 3.100			S							
New Fig 5	Reactor Vessel	N- 2J NV	N- 2J Noz/Vsl Weld	B 3. 90			S							
New Fig 5	Reactor Vessel	N- 2K IR	N- 2K Inner Radius	B 3.100									S	
New Fig 5	Reactor Vessel	N- 2K NV	N- 2K Noz/Vsl Weld	B 3. 90									S	
New Fig 5	Reactor Vessel	N- 3A IR	N- 3A Inner Radius	B 3.100			S							
New Fig 5	Reactor Vessel	N- 3A NV	N- 3A Vsl/Noz Weld	B 3. 90			S							
New Fig 5	Reactor Vessel	N- 3B IR	N- 3B Inner Radius	B 3.100								S		
New Fig 5	Reactor Vessel	N- 3B NV	N- 3B Vsl/Noz Weld	B 3. 90								S		
New Fig 5	Reactor Vessel	N- 3C IR	N- 3C Inner Radius	B 3.100					S					
New Fig 5	Reactor Vessel	N- 3C NV	N- 3C Noz/Vsl Weld	B 3. 90					S					
New Fig 5	Reactor Vessel	N- 3D IR	N- 3D Inner Radius	B 3.100								S		
New Fig 5	Reactor Vessel	N- 3D NV	N- 3D Vsl/Noz Weld	B 3. 90								S		
New Fig 5	Reactor Vessel	N- 4A IR	N- 4A Inner Radius	B 3.100	KK ;			S						
New Fig 5	Reactor Vessel	N- 4A NV	N- 4A Noz/Vsl Weld	B 3. 90	KK ;BB ;			S						
New Fig 5	Reactor Vessel	N- 4B IR	N- 4B Inner Radius	B 3.100	KK ;		S						S	
New Fig 5	Reactor Vessel	N- 4B NV	N- 4B Noz/Vsl Weld	B 3. 90	KK ;BB ;				S					
New Fig 5	Reactor Vessel	N- 4C IR	N- 4C Inner Radius	B 3.100	KK ;		S			S			S	
New Fig 5	Reactor Vessel	N- 4C NV	N- 4C Noz/Vsl Weld	B 3. 90	KK ;BB ;		S							
New Fig 5	Reactor Vessel	N- 4D IR	N- 4D Inner Radius	B 3.100	KK ;			S				S		
New Fig 5	Reactor Vessel	N- 4D NV	N- 4D Noz/Vsl Weld	B 3. 90	KK ;BB ;							S		
New Fig 5	Reactor Vessel	N- 5A IR	N- 5A Inner Radius	B 3.100									S	
New Fig 5	Reactor Vessel	N- 5A NV	N- 5A Noz/Vsl Weld	B 3. 90	BB ;								S	
New Fig 5	Reactor Vessel	N- 5B IR	N- 5B Inner Radius	B 3.100			S							
New Fig 5	Reactor Vessel	N- 5B NV	N- 5B Noz/Vsl Weld	B 3. 90	BB ;		S							
New Fig 5	Reactor Vessel	N- 8A IR	N- 8A Inner Radius	B 3.100			S							
New Fig 5	Reactor Vessel	N- 8A NV	N- 8A Noz/Vsl Weld	B 3. 90	BB ;		S							
New Fig 5	Reactor Vessel	N- 8B IR	N- 8B Inner Radius	B 3.100									S	
New Fig 5	Reactor Vessel	N- 8B NV	N- 8B Vsl/Noz Weld	B 3. 90	BB ;								S	

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New Fig 5	Reactor Vessel	N- 9 IR	N- 9 Inner Radius	B 3.100		S							
New Fig 5	Reactor Vessel	N- 9 NV	N- 9 Ves/Noz Weld	B 3. 90		S							
New Fig 5	Reactor Vessel	N-11A NV	N-11A Vsl/Noz Weld	B 4. 13	LL ;									
New Fig 5	Reactor Vessel	N-11B NV	N-11B Noz/Vsl Weld	B 4. 13	LL ;									
New Fig 5	Reactor Vessel	N-12A NV	N-12A Noz/Vsl Weld	B 4. 13	LL ;									
New Fig 5	Reactor Vessel	N-12B NV	N-12B Noz/Vsl Weld	B 4. 13	LL ;									
New Fig 5	Reactor Vessel	N-13 NV	N13 Flange-to-Nozzle	B 4. 11	*5 ;									
New Fig 5	Reactor Vessel	N-14 NV	N14 Flange-to-Nozzle	B 4. 11	*5 ;									
New Fig 5	CRD Return	W- 1	Nozzle to End Cap	B 9. 21	.....		S							
New Fig 6	Reactor Vessel	Bushings	64 Bushings	B 6. 50	.....		S			S			S	
New Fig 6	Reactor Vessel	Ligaments	Ligaments	B 6. 40	.....		S			S			S	
New Fig 6	Reactor Vessel	Nuts	64 RPV Nuts	B 6. 10	.....		S			S			S	
New Fig 6	Reactor Vessel	Studs	64 RPV Studs	B 6. 20	.....		S			S			S	
New Fig 6	Reactor Vessel	Studs	64 RPV Studs, Remove	B 6. 30	AA ;									
New Fig 6	Reactor Vessel	Washers	64 Washers	B 6. 50	.....		S			S			S	
New Fig 8	CRD Housings	30-27B	CRD Housing Bolts	B 7. 80	.....								
New Fig 8	CRD Housings	38-43B	CRD Housing Bolts	B 7. 80	.....								
New Figure 0	Reactor Vessel	C- 1	Top Core Guides & Br	B13. 10	.....	S			S				S	
New Figure 0	Reactor Vessel	C- 2	Jet Pump Top Asbly	B13. 10	.....	S			S				S	
New Figure 0	Reactor Vessel	C- 3	Shroud Shelf	B13. 10	.....	S			S				S	
New Figure 0	Reactor Vessel	C- 4	Surv. Sample & Brack	B13. 10	.....	S			S				S	
New Figure 0	Reactor Vessel	C- 5	CS Sparger & Bracket	B13. 10	.....	S			S				S	
New Figure 0	Reactor Vessel	C- 6	FW Sparger & Bracket	B13. 10	.....	S			S				S	
New Figure 0	Reactor Vessel	C- 7	Shroud Supports	B13. 10	.....	S			S				S	
New Figure 0	Reactor Vessel	C- 8	Steam Dryer Brackets	B13. 10	.....	S			S				S	
New Figure 0	Reactor Vessel	C- 9	Stm Dryer Supp Brkts	B13. 10	.....	S			S				S	
New Figure 0	Reactor Vessel	C- X	Interior Attachments	B13. 20	.....									S
New Figure 0	Reactor Vessel	C- Y	Interior Attachments	B13. 30	.....									S
New Figure 0	Reactor Vessel	C- Z	Core Support Strut.	B13. 40	.....									S
New Figure 0	Reactor Vessel	C-10	Stm Dryer&Sperator	B13. 10	.....	S			S				S	
New ISI 16	Jet Pmp Instrmtation	W- 1	Safe End / Nozzle 8A	B 5. 10	CC ;		S							
New ISI 16	Jet Pmp Instrmtation	W- 2	Safe End / Nozzle 8B	B 5. 10	CC ;									S
New ISI-19	Inst Nozzle N-12A	W- 1	Nozzle-to-Safe End	B 5. 20	CC ;		S							
New ISI-19	Inst Nozzle N-12A	W- 2	Pipe-to-Safe End	B 9. 40	.....		S							
New ISI-19	Inst Nozzle N-12A	W- 3	Reducer-to-Pipe	B 9. 40	.....								
New ISI-19	Inst Nozzle N-12A	W- 4	Pipe-to-Coupling	B 9. 40	.....								
New ISI-19	Inst Nozzle N-12A	W- 5	Coupling-to-Coupling	B 9. 40	.....								
New ISI-19	Inst Nozzle N-12A	W- 6	Nozzle-to-Pipe	B 5. 20	CC ;					S				
New ISI-19	Inst Nozzle N-12B	W- 7	Pipe-to-Reducer	B 9. 40	.....					S				
New ISI-19	Inst Nozzle N-12B	W- 8	Reducer-to-Pipe	B 9. 40	.....								
New ISI-19	Inst Nozzle N-12B	W- 9	Pipe-to-Coupling	B 9. 40	.....								
New ISI-19	Inst Nozzle N-12B	W-10	Coupling-to-Coupling	B 9. 40	.....								
New ISI-47	RCIC Turbine & Pump	Pump Supp A	Pump Support	F-A,B,C	.....				S					
New ISI-47	RCIC Turbine & Pump	Pump Supp B	Pump Support	F-A,B,C	.....				S					
New ISI-47	RCIC Turbine & Pump	Pump Supp C	Pump Support	F-A,B,C	.....				S					
New ISI-47	RCIC Turbine & Pump	Pump Support D	RCIC Pump Support	F-A,B,C	.....				S					
New ISI-48	RHR Pumps	RHR Support C	Pump Support	C 3. 30	IWF								S	
New ISI-48	RHR Pumps	RHR Support D	Pump Support	C 3. 30	IWF					S				

Third Interval
Summary

Monticello Generating Plant
In Service Inspection Program Plan and Schedule

Reference: ASME Section XI
1986, Edition

ISO	System	Item	Item Description	ASME Item Number	Notes (*=Relief Request)	Schedule							
						1993	1994		1996	1998		1999	2002
New ISI-48	RHR Pumps	Support, RHR A	Pump Support	C 3. 30 IWF	.....	.....	.....	.....	.....	S	.....	.....	.....
New ISI-48	RHR Pumps	Support, RHR B	Pump Support	C 3. 30 IWF	.....	.....	S	.....	.....	.....	.....	.....	.....
New ISI-49	Core Spray Pumps	Support, Pump A	Pump Support	C 3. 30	.....	.....	.....	S	.....	.....	.....	.....	.....
New ISI-49	Core Spray Pumps	Support, Pump B	Pump Support	C 3. 30	.....	.....	S	.....	.....	.....	.....	.....	.....

isi sched sumry

07/16/93