

NORTHERN STATES POWER COMPANY
PRAIRIE ISLAND NUCLEAR GENERATING PLANT
UNIT 2
1717 WAKONADE DRIVE E
WELCH, MINNESOTA 55089

INSERVICE INSPECTION
EXAMINATION PLAN
REVISION 0

THIRD INTERVAL
DECEMBER 21, 1994 THROUGH DECEMBER 20, 2004

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Commercial Service Date: 12/21/74
ISI - Third Ten Year, Rev 0 10/31/94

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RECORD OF REVISIONS

<u>Page</u>	<u>Rev.</u>
i	0
1-1	0
2-1 and 2-2	0
3-1 and 3-2	0
4-1 through 4-10	0
5-1	0
6-1 through 6-3	0
7-1 and 7-2	0
Table (1 thru 62)	

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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 Prairie Island, Unit 2, Plant Staff; the IST program has been submitted under separate cover.

The Prairie Island, Unit 2, Third Ten Year Inservice Inspection Interval is from December 21, 1994 to December 20, 2004. Six refueling and maintenance outages are scheduled in this time frame. Components within the examination plan have been identified using the 1989 Edition of the ASME Code, Section XI. The 1974 Edition, Summer 1975 Addenda to the Code is used for extent of examination. This can be summarized as follows:

Class 1 (Quality Group A)	89 Section XI (extent of exam - 74 S75 Section XI)
Class 2 (Quality Group B)	89 Section XI
Class 3 (Quality Group C)	89 Section XI
NF (Hangers)	89 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. The intent of the third interval scheduling was to be consistent with the second interval.

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, 1989 Edition, except where relief has been requested.

Class 1 and Class 2 hangers have been identified in accordance with IWB and IWC, 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 qualified and certified personnel using written procedures to the 1989 Edition of the Code.

The Section XI Repair and Replacement Program, System Pressure Tests and Snubber Functional Tests are administered by the Prairie Island Plant Staff.

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 Examination Plan which includes a table containing the Inservice Inspection Examination Plan and Schedule. The ISI Boundary Drawings outline Quality Group Classifications, 1, 2 and 3. 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.

Prairie Island - Unit 2 was built prior to the implementation of Section XI Access Requirements. As a result, some components that require examination are not completely accessible.

SOURCE DOCUMENTS

10CFR50.55a (56FR3794)

1974 Summer 75 B&PV Code Section XI

1989 B&PV Code Section XI

NRC Bulletin 82-02 Degradation of threaded fasteners in the reactor coolant pressure boundary of PWR plants

NRC Bulletin 88-11 Pressurizer surge line thermal stratification

NSP Letter dated February 10, 1993, entitled "Supplemental Reply to a Notice of Deviation NRC Inspection Report Nos. 282/92008 and 306/92008 Final Safety Analysis Report Commitment for Inservice Examination of High Energy Line Piping".

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

Regulatory Guide 1.58, Rev. 1

Regulatory Guide 1.147, Rev. 10 dated July 1993

Code Case N-307-1 Revised Ultrasonic Examination Volume for Class I Bolting, Table IWB-2500-1, Examination Category B-G-1, When the Examinations Are Conducted From the Center-Drilled Hole

Code Case N-481 Alternate Examination Requirements for Cast Austenitic Pump Casing; Analysis Submittal expected by December 31, 1994.

Code Case N-498 Alternate Rules for 10-Year Hydrostatic Pressure Testing for Class 1 and 2 Systems

Use of ASME Section XI Code Cases not included in Regulatory Guide 1.147,
Rev. 10

Code Case N-491-1 Alternative Rules for Examination of Class 1, 2, 3,
and MC Component Supports of Light-Water Cooled
Power Plants (Rev 1 Approved by ASME on 4/30/93;
Original included in Regulatory Guide 1.147, Rev. 10)

Code Case N-521 Alternate Rules for Defferral of Inspections of Nozzle
to Vessel Welds, Inside Radius Sections and Nozzle-
to-Safe End Welds of Pressurized Water Reactor
(PWR) Vessel (Approved by ASME on 8/9/93)

Code Case N-524 Alternate Examination Requirements for Longitudinal
Welds in Class 1 and 2 Piping (Approved by ASME
on 8/9/93)

REQUESTS FOR RELIEF

<u>Relief Request No.</u>	<u>Description</u>	<u>Rev.</u>
1	Class 2 Pressure Testing	0
2	Auxiliary Spray	0
3	Reactor Coolant Pump	0
4	Steam Generator	0
5	Regenerative Heat Exchanger	0
6	Cooling Water	0

Relief Request No. 1 (Rev. 0)

Class 2 Pressure Testing

SYSTEM: Various

Class: 2

Category: C-H

Item: Various

Examination Requirements:

Portions of the Class 2 piping will not be tested at the pressures required by IWC-5000.

Basis for Relief:

Portions of the following piping is not isolatable from Class 1 piping.

- Safety Injection
- Reactor Coolant System Piping 3/4" and smaller
- Residual Heat Removal
- Reactor Coolant Pump Seal Injection
- Charging Line
- Sample System

Alternate Examination:

The piping will be tested to Class 1 requirements, i.e.:

1. The unisolated portions of the Class 2 piping will be visually examined for evidence of leakage at the system nominal operating pressure in accordance with the requirement of IWB-5221. This inspection will be performed prior to startup following each reactor refueling outage.
2. The unisolated portion of the Class 2 piping will be hydrostatically tested when Class 1 pipe is tested.

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Relief Request No. 1 (Rev. 0) cont.

Class 2 Pressure Testing

Reference: Relief Request No. 29 - Second Ten Year Interval dated
December 22, 1983; NRC SER dated December 28, 1984.

Approval Status:

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

ISI Relief Request No. 2 (Rev. 0)

Auxiliary Spray

SYSTEM: Pressurizer

Class: 1

Category: B-P

Item: B 15.50

Examination Requirements:

The Class 1 piping between CV-31421 and 2VC-8-3 will not be pressure tested as required by IWB-5221.

Basis for Relief:

This section of the pipe is isolatable from the reactor coolant system. A leaking or mispositioned valve during a functional pressure test will cause pressurizer spray which causes a reduction in reactor coolant system pressure. Spraying water into the pressurizer from the auxiliary spray line is an abnormal operation. The spray line is designed for 10 such inadvertent operations.

Alternate Examination:

This section of piping will be given a surface examination each inspection interval.

Reference: Relief Request No. 60 - Second Ten Year Interval dated December 22, 1983; NRC SER dated December 28, 1984.

Approval Status:

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

ISI Relief Request No. 3 (Rev. 0)

Reactor Coolant Pump

SYSTEM: Reactor Coolant

Class: 1

Category: B-L-1, B-L-2

Item: B 12.20

Examination Requirements:

Visual examination of the pump casing internal surfaces will not be performed.

Basis for Relief:

The pump manufacturer does not require or recommend pump disassembly to perform normal maintenance and inspection due to limited experienced personnel and possible damage or degradation to the pump.

Alternate Examination:

If maintenance or operation problems are encountered which require the disassembly of the pump, the pump's interior surface will be visually inspected.

Reference: Relief Request No. 63 - Second Ten Year Interval dated December 22, 1983; NRC SER dated December 28, 1984.

Approval Status:

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

ISI Relief Request No. 4 (Rev. 0)

Steam Generator

SYSTEM: Steam Generator

Class: 2

Category: C-H

Item: C 7.20

Examination Requirements:

The ten year hydrostatic test pressure will not be as specified per IWC-5000.

Basis for Relief:

For the following reasons the steam generator secondary side, main steam isolation valves, the feedwater line inlets to the steam generators, the auxiliary feedwater inlet to the steam generators, and the steam generator blowdown lines from the steam generators (to the first isolation valve) are to be hydrostatically tested in accordance with Article IWB-5000 of the ASME Boiler and Pressure Vessel Code:

1. The maximum allowable secondary to primary pressure differential is 670 psig at 750°F. To avoid violation of the design differential, the reactor coolant system pressure would have to be elevated above 677 psig and to an over-pressure condition.
2. The main steam safety valves would not require gagging; thereby, precluding any chance of overpressurizing the steam generator.
3. Since the steam generator is integrally tied to the reactor coolant system, it is logical, as well as practical, to test them at hot shutdown per IWB-5000 of the ASME Boiler and Pressure Vessel Code. This allows a hot hydrostatic test in lieu of a cold hydrostatic test.

Alternate Examination:

The steam generator will be tested in accordance with IWB-5000 requirements.

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ISI Relief Request No. 4 (Rev. 0)

Steam Generator

Reference: Relief Request No. 68 - Second Ten Year Interval dated
December 22, 1983; NRC SER dated December 28, 1984.

Approval Status:

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

ISI Relief Request No. 5 (Rev. 0)

Regenerative Heat Exchanger

SYSTEM: Various

Class: 1

Category: B-B
B-D

Item: B 2.51
B 3.160

Examination Requirements:

The acceptance standard used for the volumetric examination of circumferential head weld will not be IWB-3510. The nozzle inner radius will not be examined.

Basis for Relief:

The acceptance standard is for ferritic vessels; the regenerative heat exchanger is austenitic.

The regenerative heat exchanger is more pipe like than vessel like. The head is a 6 inch pipe cap; made of cast stainless; 0.375 inches thick. The integral tubesheet is a 6 inch forging; stainless; 0.500 inches thick at the weld.

The integral tubesheet component includes the 2 inch nozzles. The forged nozzles ends are socket welded to the inlet and outlet pipe. This arrangement results in complex geometry and limited accessible scan areas.

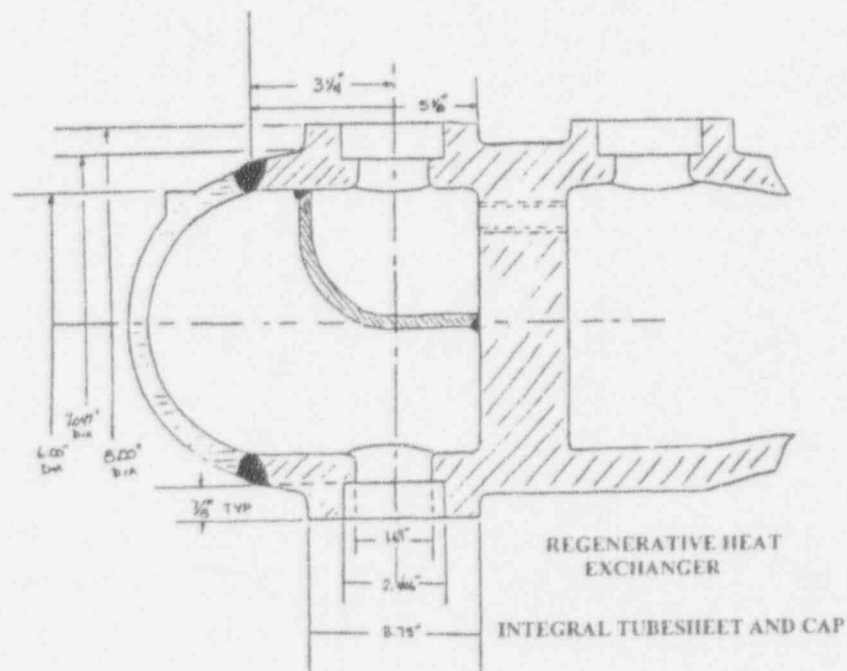
Alternate Examination:

The acceptance standard used for the limited volumetric examination of the regenerative heat exchanger circumferential head weld will be IWB-3514.

The regenerative heat exchanger nozzle inner radius will not be examined.

ISI Relief Request No. 5 (Rev. 0)

Regenerative Heat Exchanger



Reference: Relief Request Nos. 45 and 66 - Second Ten Year Interval dated December 22, 1983; NRC SER dated December 28, 1984.

Approval Status:

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

ISI Relief Request No. 6 (Rev. 0)

Cooling Water Hydrostatic Testing

SYSTEM: Cooling Water

Class: 3

Category: D-C

Item: D 3.10

Examination Requirements:

The piping will not be hydrostatically tested at each inspection interval by IWD-2500-1.

Basis for Relief:

The cooling water system is designed such that Unit 1 and Unit 2 safeguards equipment is supplied from both sides of the cooling water system header. Consequently, the entire supply and return header must be in operation at all times to meet operating license requirements.

Alternate Examination:

The cooling water system will be visually examined every one-third interval for conditions adverse to system operation. Additionally, the system is in constant operation and any leaks would be immediately known. Portions that are isolatable from the main headers will be pressure tested in accordance with the applicable requirements.

Reference: Relief Request No. 28 - Second Ten Year Interval dated December 22, 1983; NRC SER dated December 28, 1984.

Approval Status:

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

ASME Code Section XI ISI Boundary Drawings

<u>Drawing Title</u>	<u>Revision</u>
1. Reactor Coolant	0
2. Residual Heat Removal	0
3. Chemical and Volume Control	0
4. Chemical and Volume Control	0
5. Chemical and Volume Control	0
6. Safety Injection	0
7. Safety Injection	0
8. Waste Disposal	0
9. Main Steam	0
10. Feedwater	0
11. Containment Spray	0
12. Steam Generator Blowdown Unit #2	0
13. Post Loca Hydrogen Control	0

- - - - - Indicates NDE Required

————— Indicates No NDE Required



Code Class 1



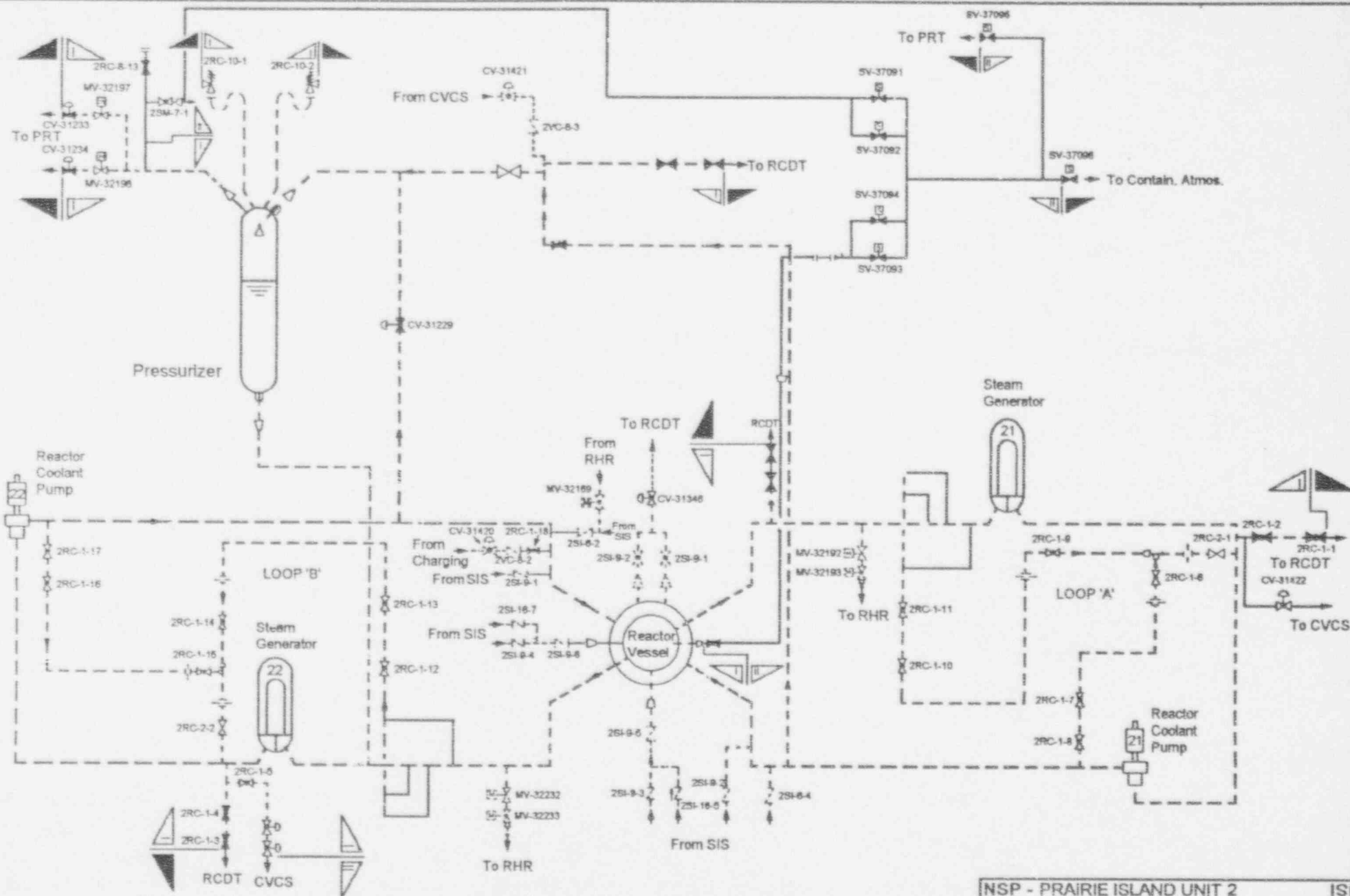
Code Class 2



Code Class 3

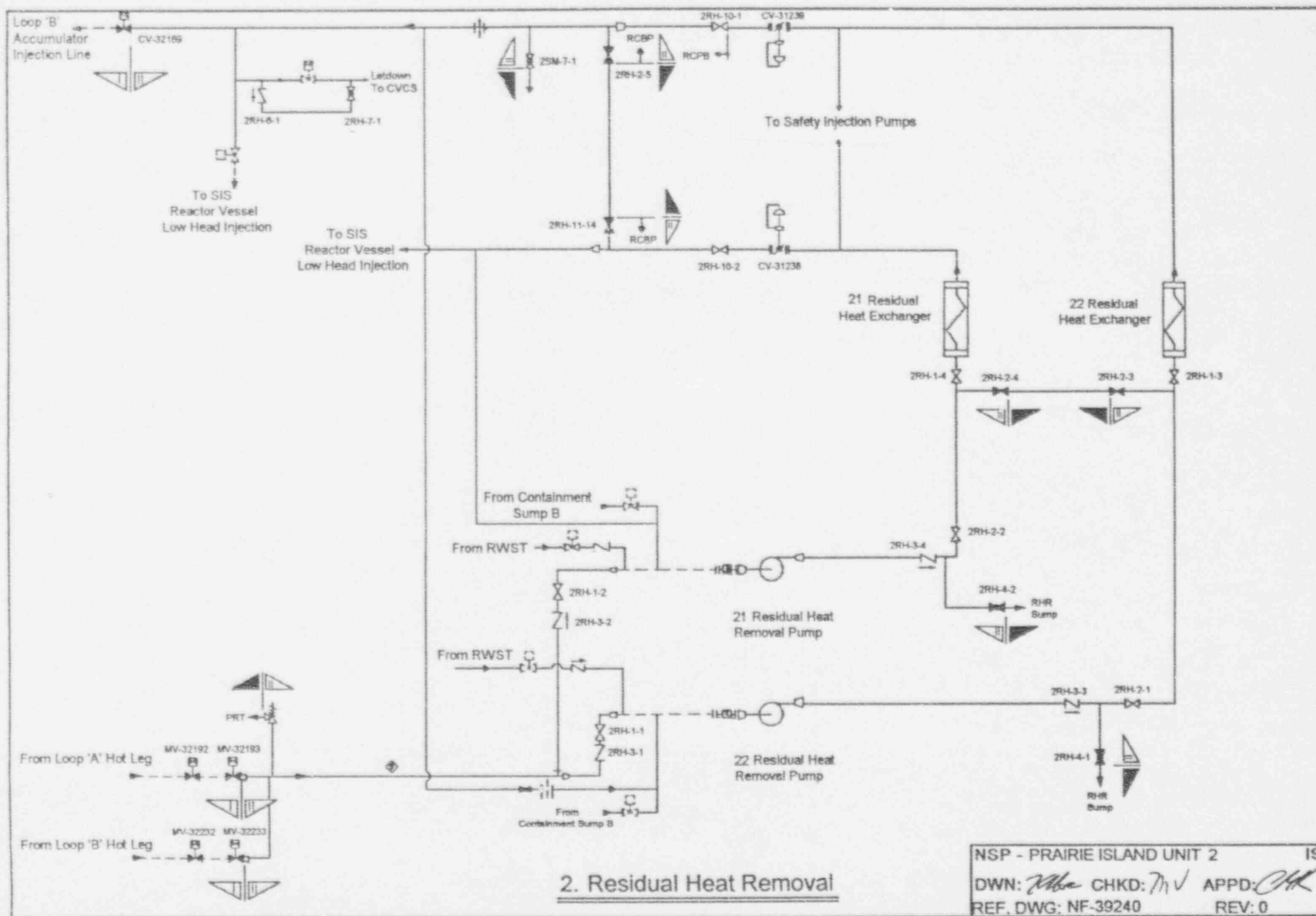


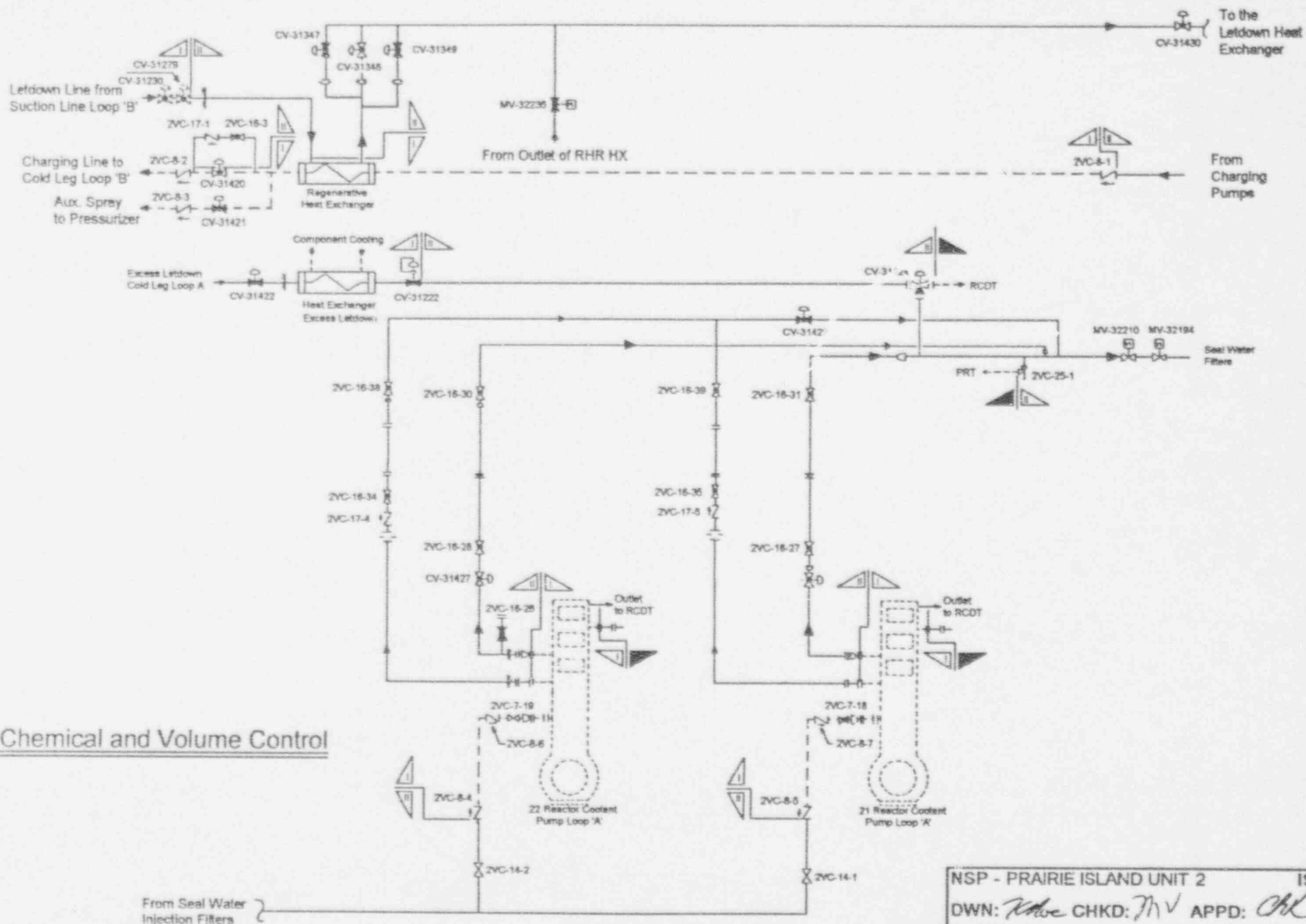
Code Class Non-Safety



1. REACTOR COOLANT

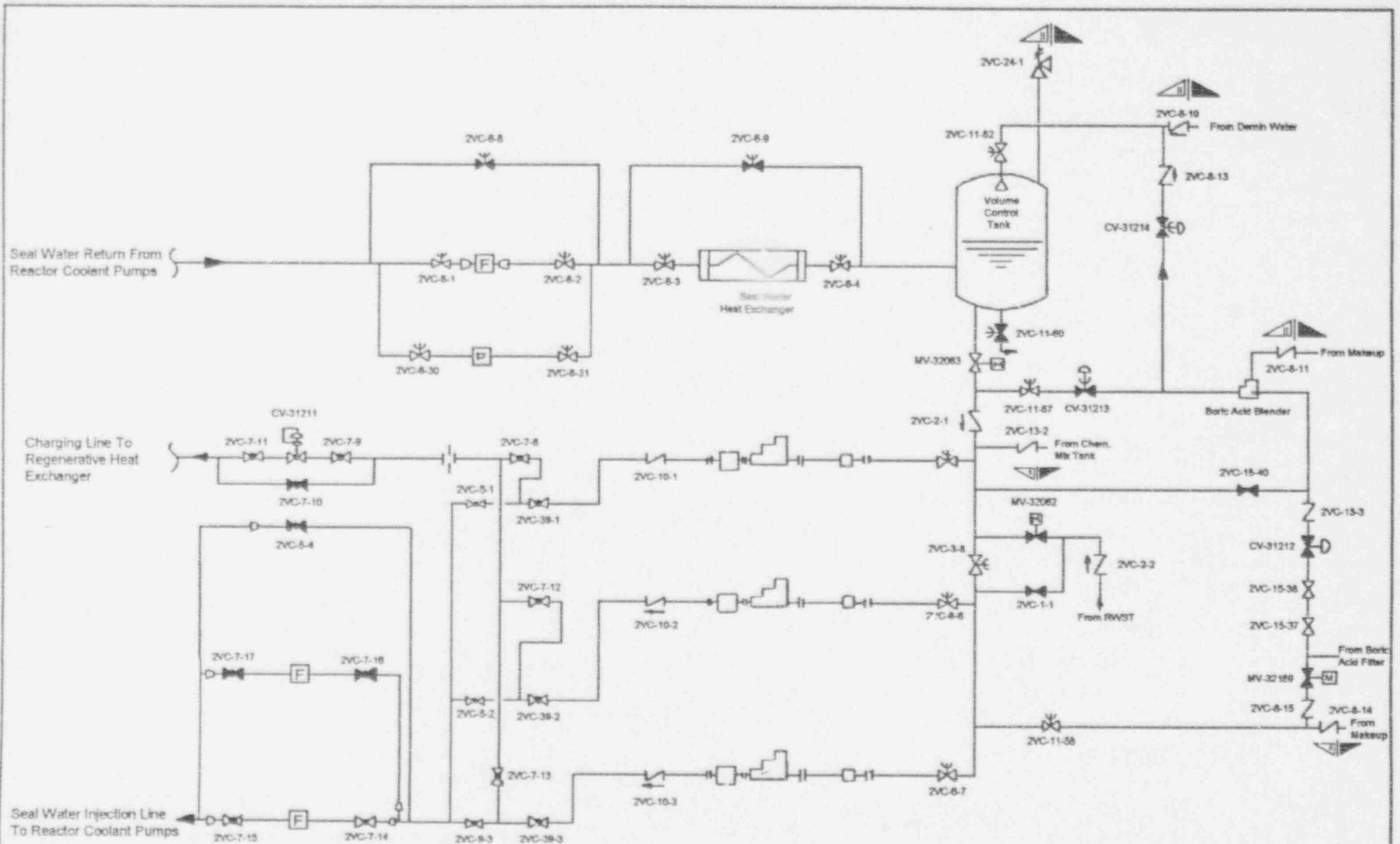
NSP - PRAIRIE ISLAND UNIT 2
DWN: *Mike* CHKD: *TH* APPD: *CH*
REF. DWG: NF-39235 REV: 0





3. Chemical and Volume Control

NSP - PRAIRIE ISLAND UNIT 2
 DWN: *Kabe* CHKD: *MV* APPD: *CHK*
 REF. DWG: NF-39836 REV: 0



4. Chemical and Volume Control

Note: All Piping Shown Is Classified As
Class B Piping with OD \times 4"

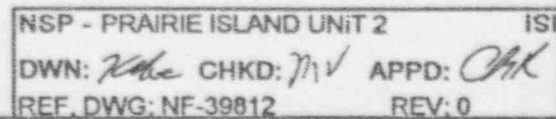
NSP - PRAIRIE ISLAND UNIT 2

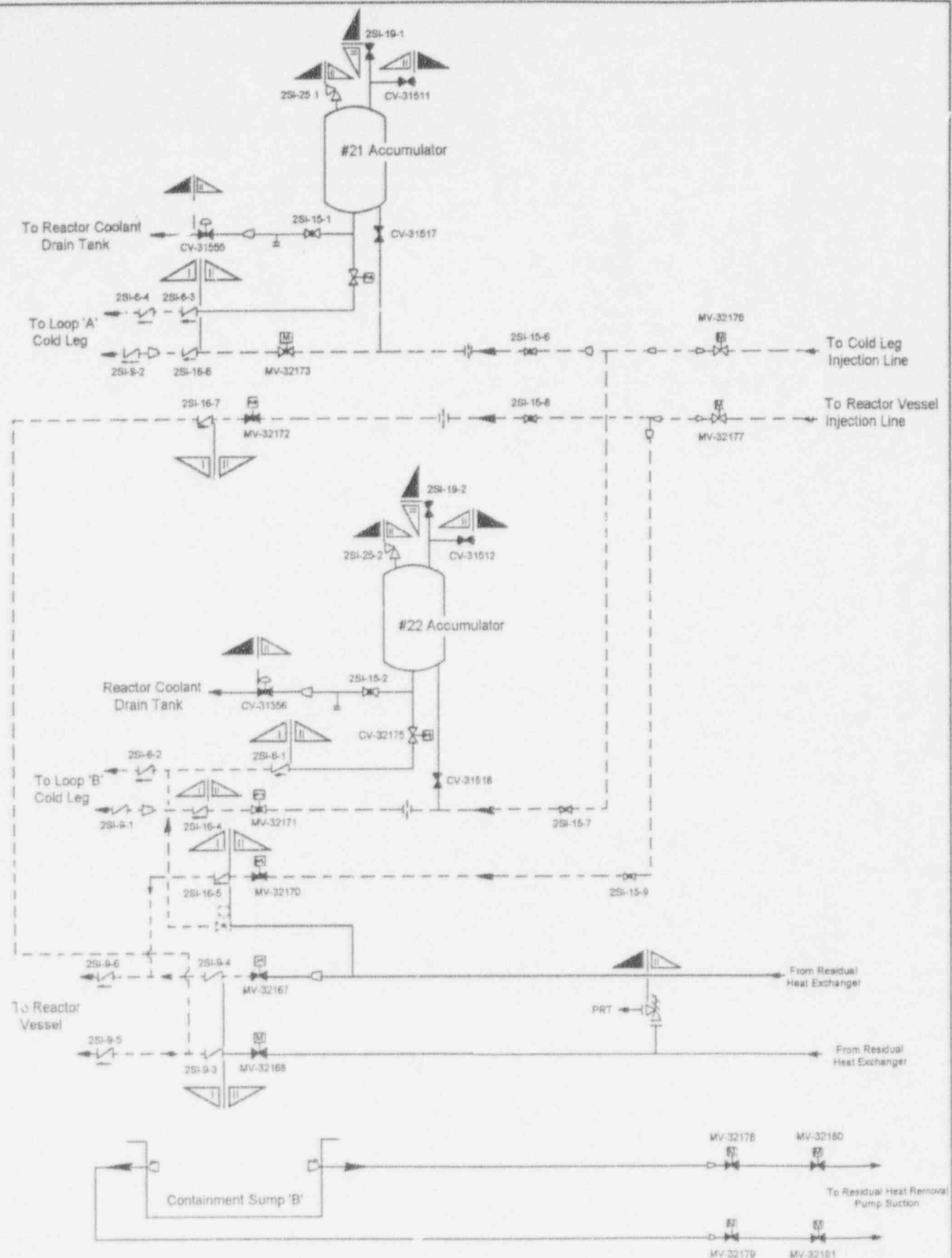
ISI

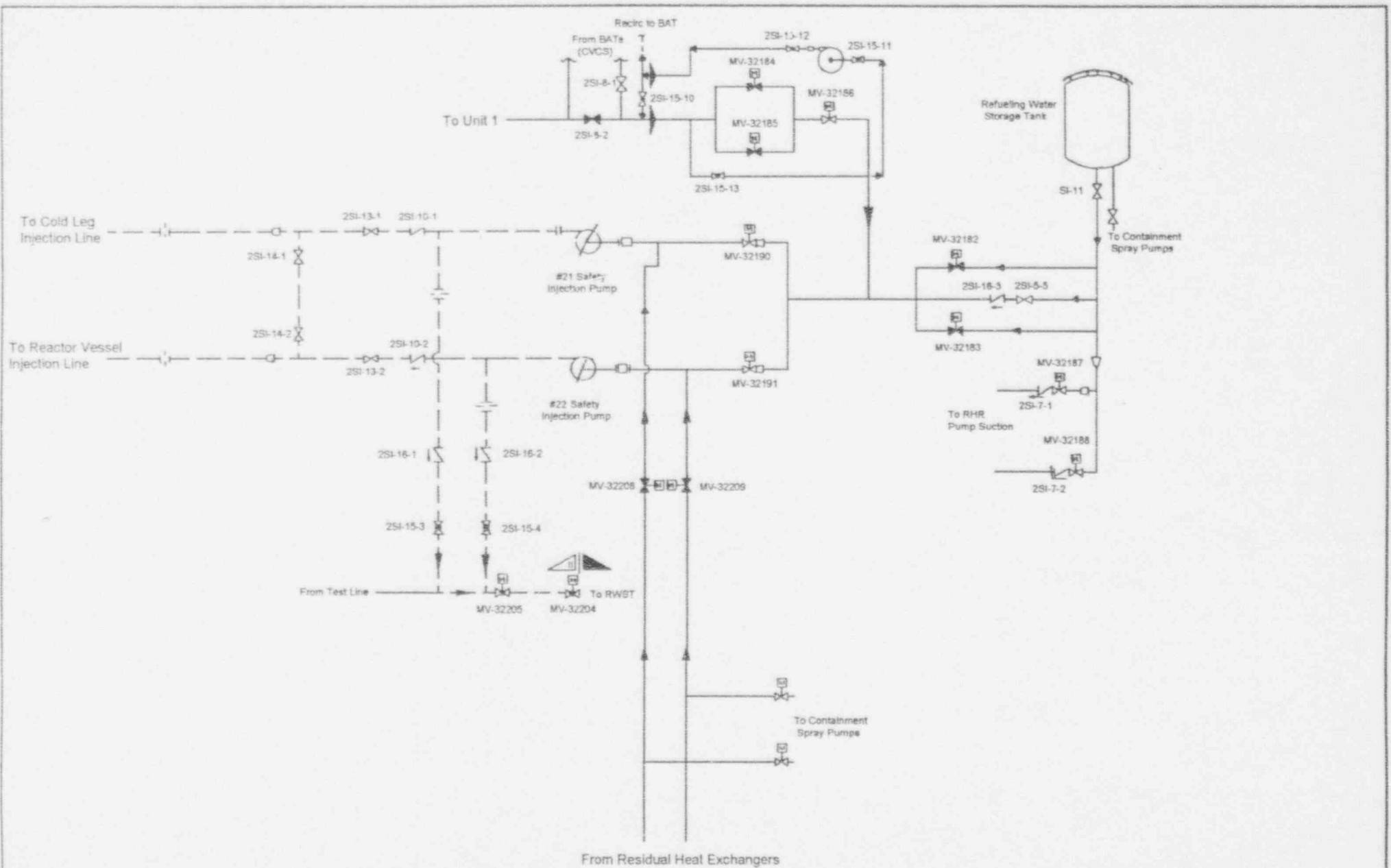
DWN: *John* CHKD: *PIV* APPD: *CHK*

REF, DWG: NF-39837

REV: 0



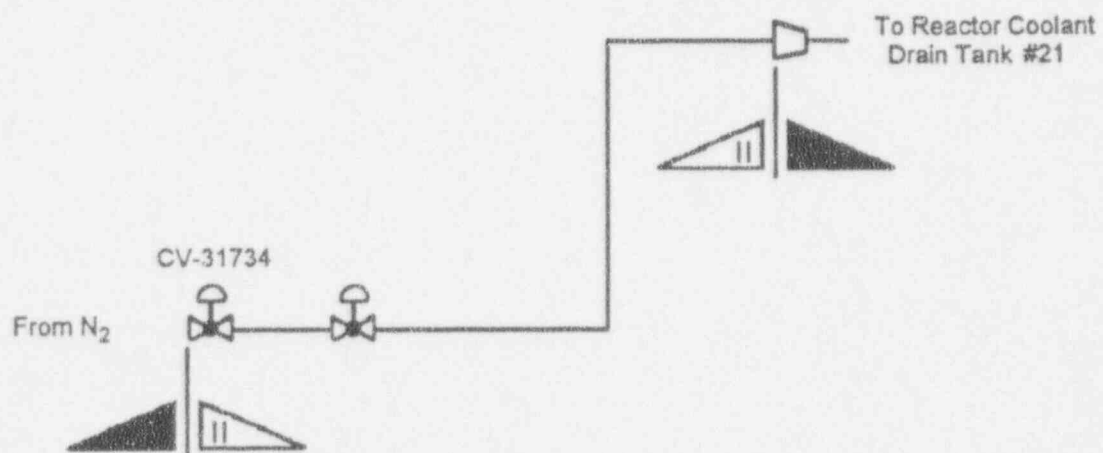




7. Safety Injection

Note: All Piping Shown
Classified is Class II Piping

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: AGS	CHKD: MV
REF. DWG: NF-39839	APPD: CHK
	REV: 0



8. Waste Disposal

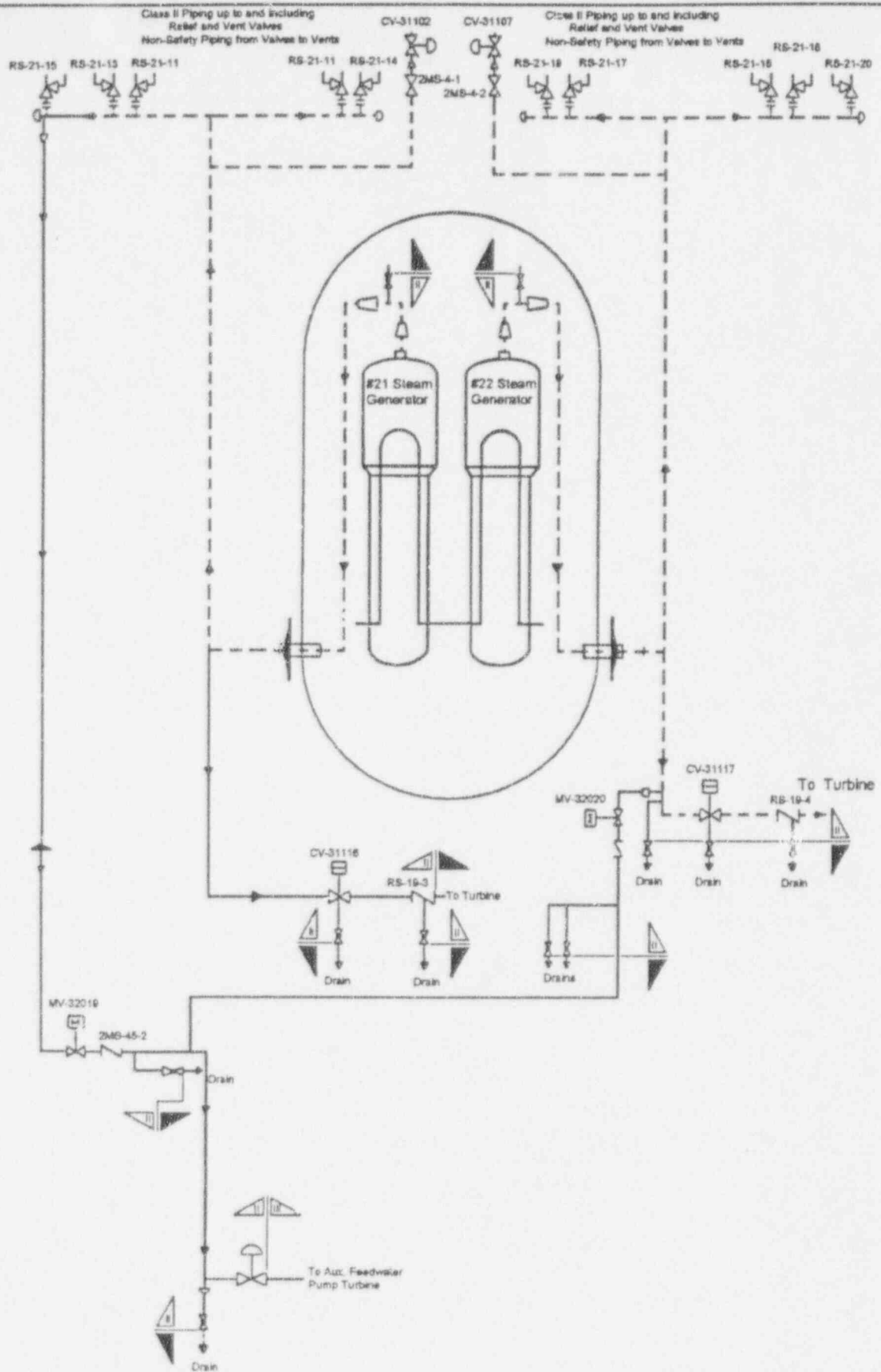
NSP - PRAIRIE ISLAND UNIT 2

ISI

DWN: *Whe* CHKD: *MV* APPD: *CH*

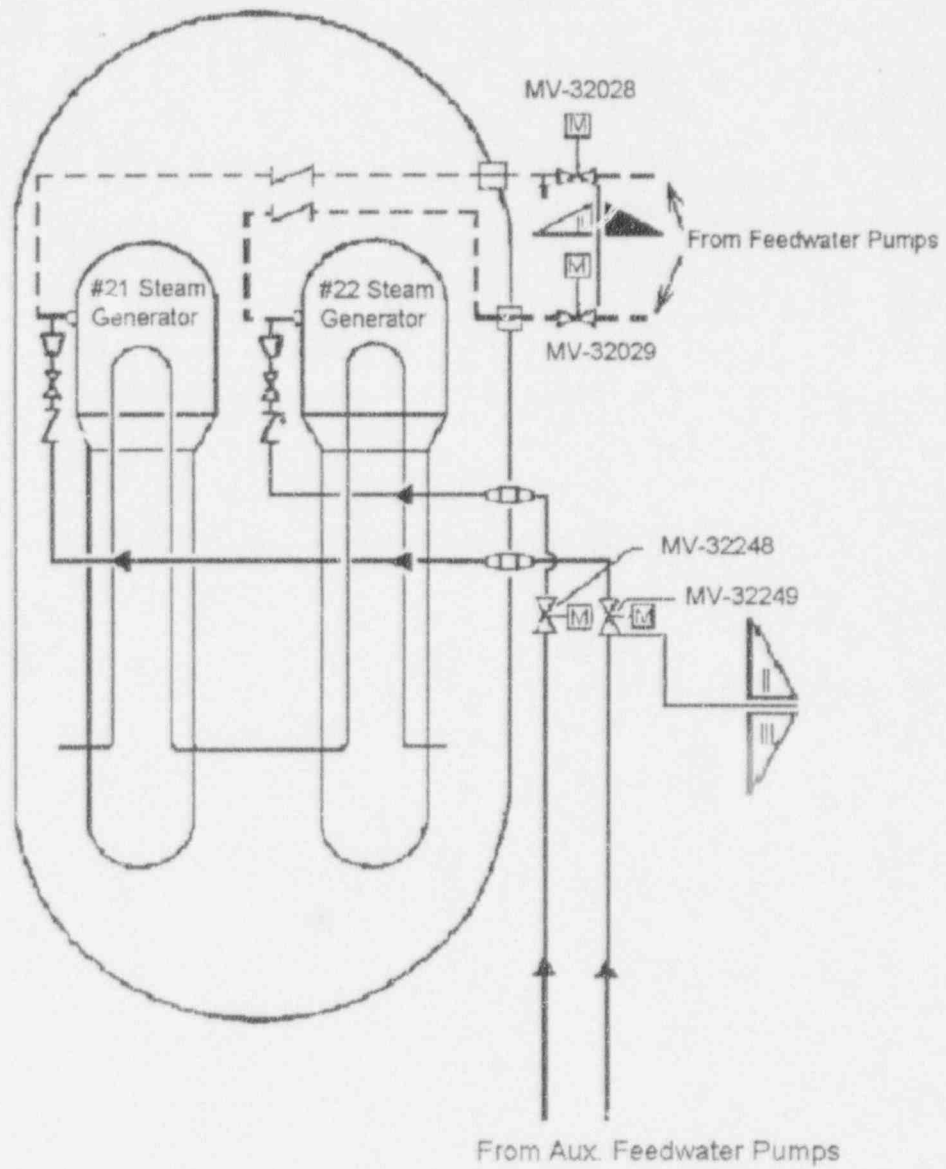
REF. DWG: NF-39815

REV: 0

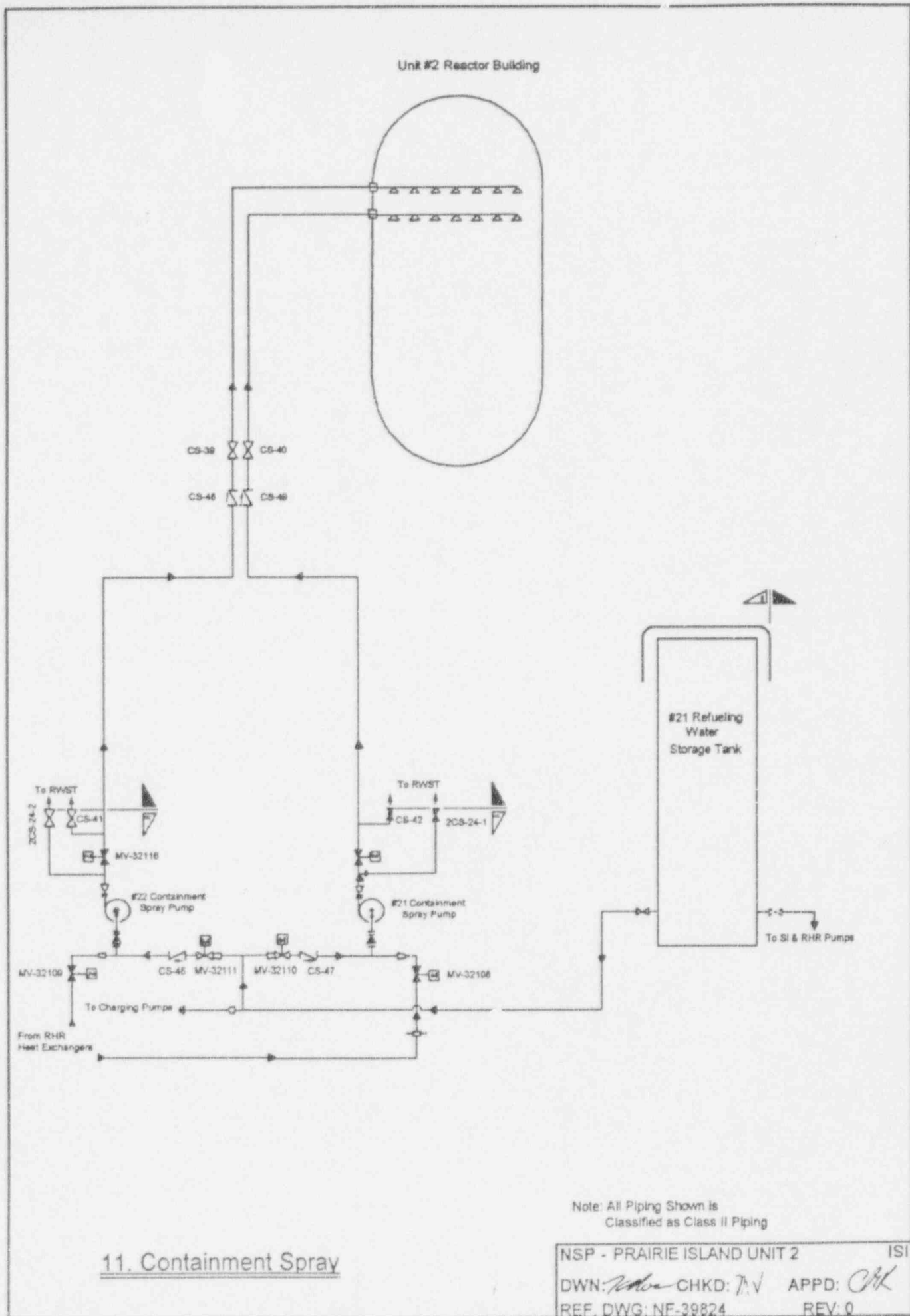


9. MAIN STEAM

NSP - PRAIRIE ISLAND UNIT 2 ISI
DWN: *Whe* CHKD: *mi* APPD: *CHK*
REF. DWG: NF-39842 REV. 0



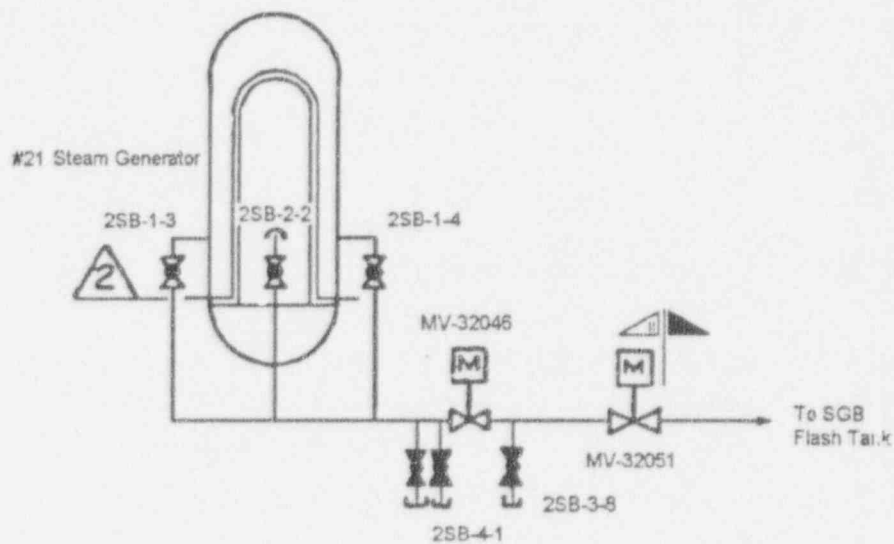
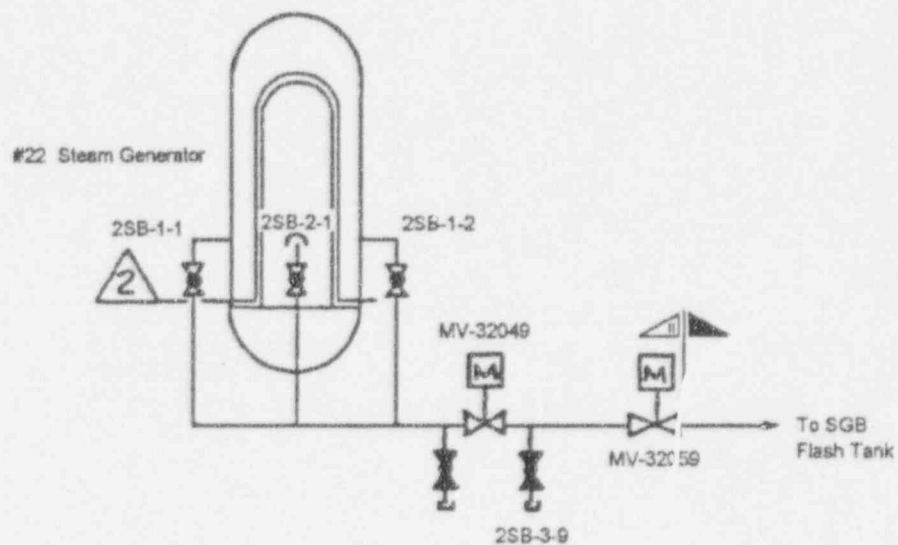
10. Feedwater



Note: All Piping Shown Is
Classified as Class II Piping

11. Containment Spray

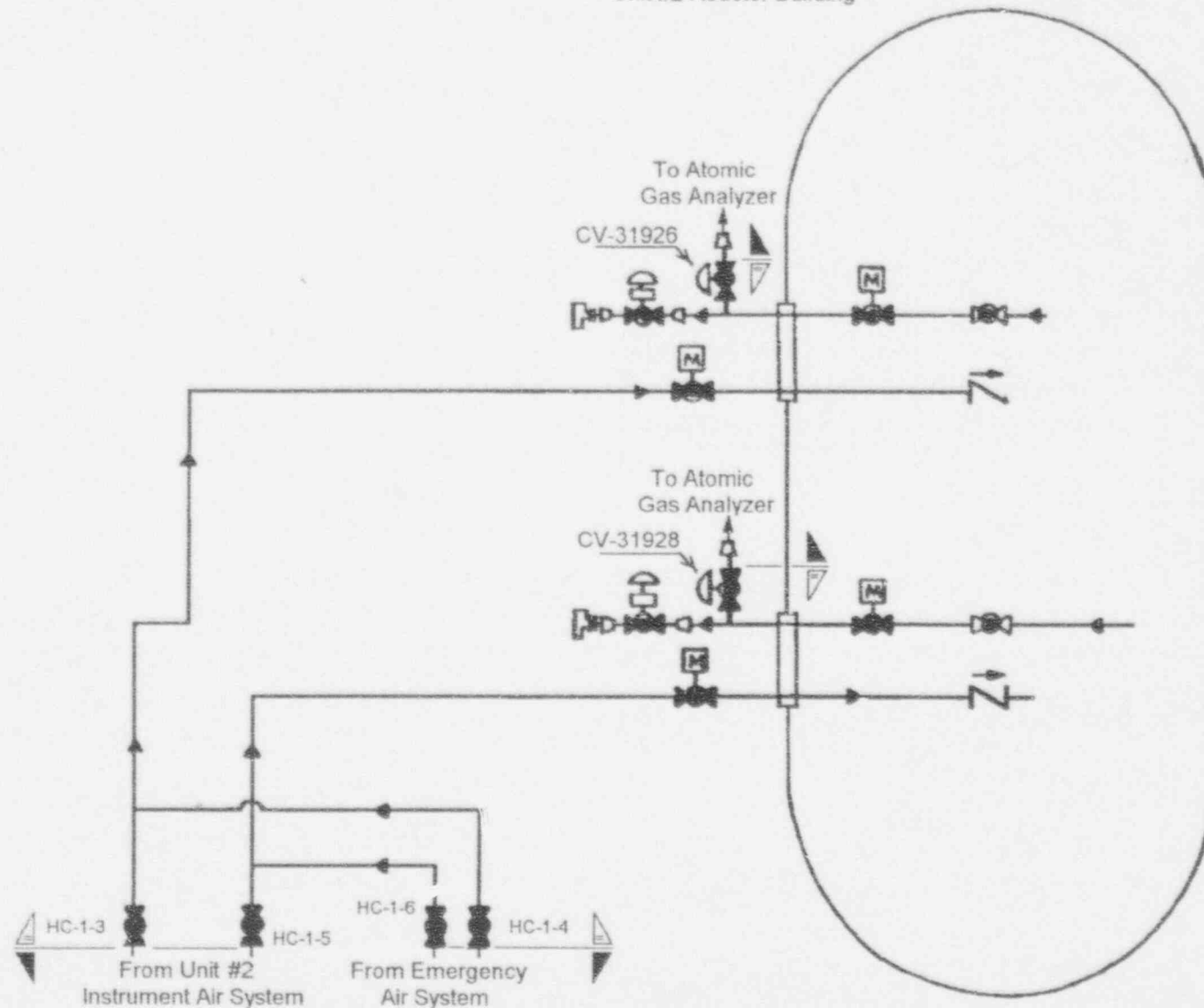
NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>Wabe</i> CHKD: <i>T.V</i>	APPD: <i>CHK</i>
REF. DWG: NF-39824	REV: 0



12. Steam Generator Blowdown Unit #2

NSP - PRAIRIE ISLAND UNIT 2 ISI
 DWN: *Whe* CHKD: *MV* APPD: *CHK*
 REF. DWG: NF-39845 REV: 0

Unit #2 Reactor Building



13. Post Loca Hydrogen Control

NSP - PRAIRIE ISLAND UNIT 2		ISI
DWN: <i>Mb</i>	CHKD: <i>MV</i>	APPD: <i>OK</i>
REF. DWG: NF-39830		REV: 0

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ISI ISOMETRIC DRAWINGS

Drawing Number	Rev	Title
2-ISI-1A	3	Seal Injection Loop A
2-ISI-1B	3	Seal Injection Loop A
2-ISI-1C	3	Seal Injection Loop A
2-ISI-2	3	Crossover Drain Loop A
2-ISI-3	3	Cold Leg RTD Takeoff Loop A
2-ISI-4	3	Hot Leg RTD Takeoff Loop A
2-ISI-5	4	SIS High Head
2-ISI-6	3	RTD Return Loop A
2-ISI-7A	3	Spray to Pressurizer
2-ISI-7B	3	Spray Line to RCDT
2-ISI-7C	4	Spray to Pressurizer
2-ISI-7D	4	Spray to Pressurizer
2-ISI-7E	3	Spray to Pressurizer
2-ISI-7F	0	Spray to Pressurizer
2-ISI-9	3	PLO Cap
2-ISI-10A	4	8" RHR Takeoff Loop A Hot Leg
2-ISI-10B	3	8" RHR Takeoff Loop A Hot Leg
2-ISI-10C	4	8" RHR Takeoff Loop A Hot Leg
2-ISI-11	4	Loop A Accumulator Discharge
2-ISI-12A	3	Seal Injection Loop B
2-ISI-12B	3	Seal Injection Loop B
2-ISI-12C	3	Seal Injection Loop B
2-ISI-13A	3	2" Cold Leg Charging Loop B
2-ISI-13B	4	2" Cold Leg Charging Loop B
2-ISI-13C	3	2" Cold Leg Charging Loop B
2-ISI-13D	3	2" Cold Leg Charging Loop B
2-ISI-13E	0	2" Cold Leg Charging Loop B
2-ISI-14	3	Cold Leg RTD Takeoff Loop B
2-ISI-15	3	Hot Leg RTD Takeoff Loop B
2-ISI-16	3	2" Crossover Drain & Letdown
2-ISI-17	3	RTD Return Loop B
2-ISI-19	4	RCS To Draindown Tank
2-ISI-20A	4	8" RHR Hot Leg Takeoff Loop B
2-ISI-20B	3	8" RHR Hot Leg Takeoff Loop B
2-ISI-20C	4	8" RHR Hot Leg Takeoff Loop B
2-ISI-21	4	10" RHR Return Loop B
2-ISI-22A	0	Accumulator Discharge Loop B
2-ISI-22B	0	Accumulator Discharge Loop B
2-ISI-23	3	SIS High Head Loop B

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ISI ISOMETRIC DRAWINGS

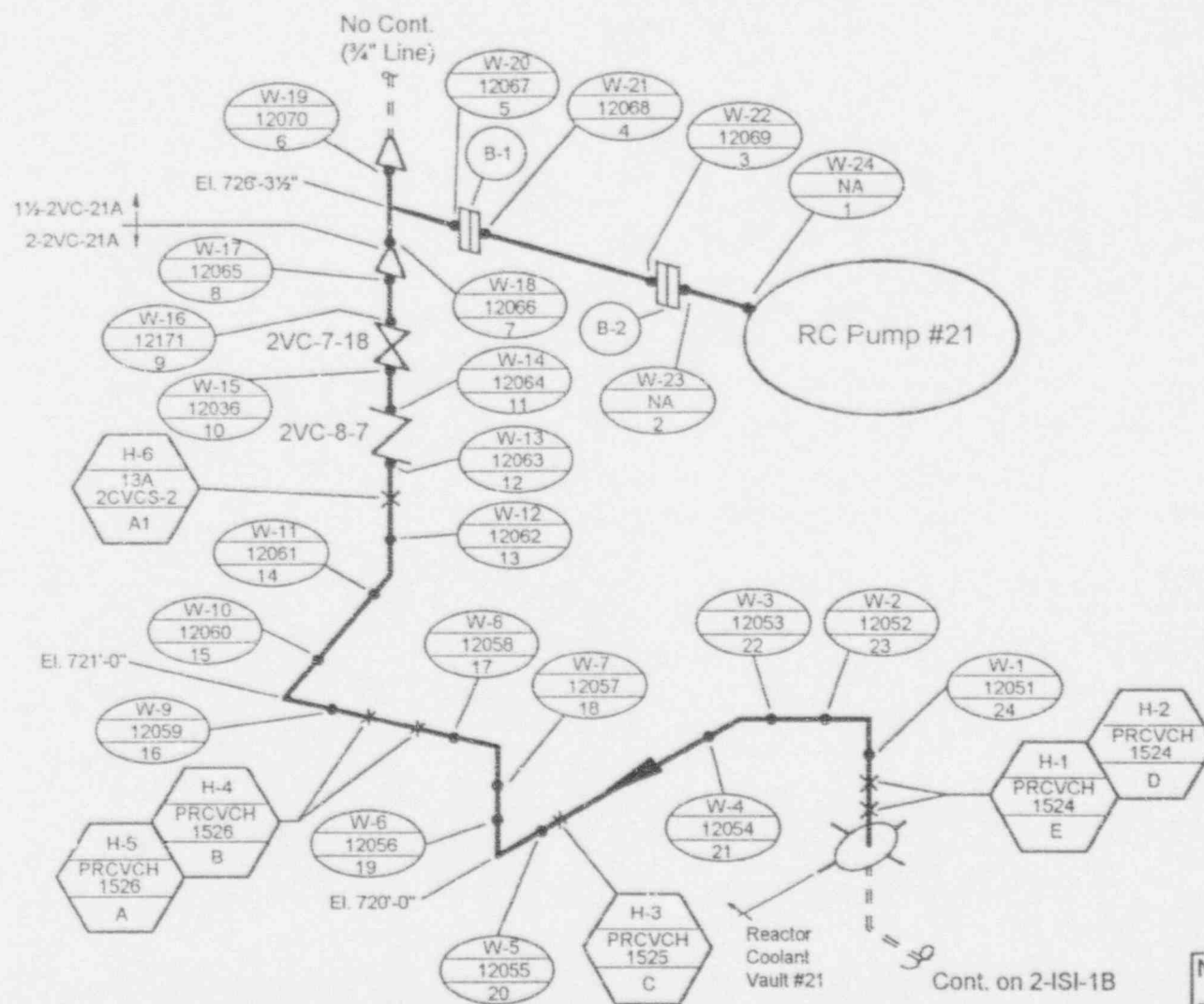
Drawing Number	Rev	Title
2-ISI-24	3	2" Auxiliary Spray
2-ISI-25	3	2" Reactor Vessel SIS Loop A
2-ISI-26	4	2" Reactor Vessel SIS Loop B
2-ISI-27	3	Pressurizer Relief
2-ISI-28	4	4" & 6" Reactor Vessel SIS Loop B
2-ISI-29	4	4" & 6" Reactor Vessel SIS Loop A
2-ISI-30A	0	Pressurizer Safety Loop A
2-ISI-30B	0	Pressurizer Safety Loop B
2-ISI-31	3	Pressurizer Surge
2-ISI-32A	0	Reactor Coolant Loop A
2-ISI-32B	0	Reactor Coolant Loop A
2-ISI-32C	0	Reactor Coolant Loop A
2-ISI-33A	0	Reactor Coolant Loop B
2-ISI-33B	0	Reactor Coolant Loop B
2-ISI-33C	0	Reactor Coolant Loop B
2-ISI-34	3	Regenerative Heat Exchanger
2-ISI-35	3	Pressurizer Nozzles
2-ISI-36	3	Pressurizer
2-ISI-37A	0	Steam Generator 21
2-ISI-37B	0	Steam Generator 22
2-ISI-37C	0	Steam Generator 21
2-ISI-37D	0	Steam Generator 22
2-ISI-38	4	Reactor Vessel Conoseal Bolting
2-ISI-39	3	Reactor Vessel Studs, Nuts & Washers
2-ISI-40	4	Reactor Vessel Nozzles
2-ISI-41	4	Reactor Vessel Head Weld
2-ISI-41A	0	Reactor Vessel Top Head
2-ISI-42	3	Reactor Vessel Shell Welds
2-ISI-43A	0	Reactor Coolant Pump 21
2-ISI-43B	0	Reactor Coolant Pump 22
2-ISI-46A	3	Main Steam Loop A
2-ISI-46B	3	Main Steam Loop A
2-ISI-47A	3	Main Steam Loop B
2-ISI-47B	3	Main Steam Loop B
2-ISI-48	0	Feedwater Loop A
2-ISI-49	0	Feedwater Loop B
2-ISI-50	5	RHR Pumps Suction
2-ISI-51	5	RHR Pump B Suction
2-ISI-52	5	RHR Pump A Suction

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ISI ISOMETRIC DRAWINGS

Drawing Number	Rev	Title
2-ISI-54	5	RHR Pump B Discharge
2-ISI-55	5	RHR Pump B Discharge
2-ISI-56	5	RHR Pump A Discharge
2-ISI-57	4	RHR Pump A Discharge
2-ISI-60A	0	Safety Injection Pump A
2-ISI-60B	0	Safety Injection Pump B
2-ISI-62	4	Safety Injection Pump 22 Suction
2-ISI-64	4	Safety Injection Pump 21 Suction
2-ISI-69A	0	Residual Heat Exchanger 21
2-ISI-69B	0	Residual Heat Exchanger 22
2-ISI-70	4	Reactor Vessel Safety Injection
2-ISI-72	4	Reactor Vessel Safety Injection
2-ISI-90A	0	Safety Injection Pump 21 Discharge
2-ISI-90B	0	Safety Injection Pump 21 Discharge
2-ISI-90C	0	Safety Injection Pump 21 Discharge
2-ISI-91	0	Safety Injection Pump 21 Discharge
2-ISI-92	0	Safety Injection Pump 21 Discharge
2-ISI-93A	0	Safety Injection Pump 22 Discharge
2-ISI-93B	0	Safety Injection Pump 22 Discharge
2-ISI-93C	0	Safety Injection Pump 22 Discharge
2-ISI-94A	0	Safety Injection Pump 22 Discharge
2-ISI-94B	0	Safety Injection Pump 22 Discharge
2-ISI-95A	0	Safety Injection Pump 22 Discharge
2-ISI-95B	0	Safety Injection Pump 22 Discharge
2-ISI-96	0	Safety Injection Test Line
2-ISI-97	0	Safety Injection Test Line
2-ISI-98	0	Containment Spray Pump 22 Suction
2-ISI-99	0	Containment Spray Pump 21 Suction
2-ISI-100	0	Containment Spray Pumps Discharge



ISI
NAVCO
WEST = HANGER No.

ISI
NAVCO
WEST = WELD No.

ISI = Bolt No.

REF. DWG: XH-1106-2792
XH-1106-2793

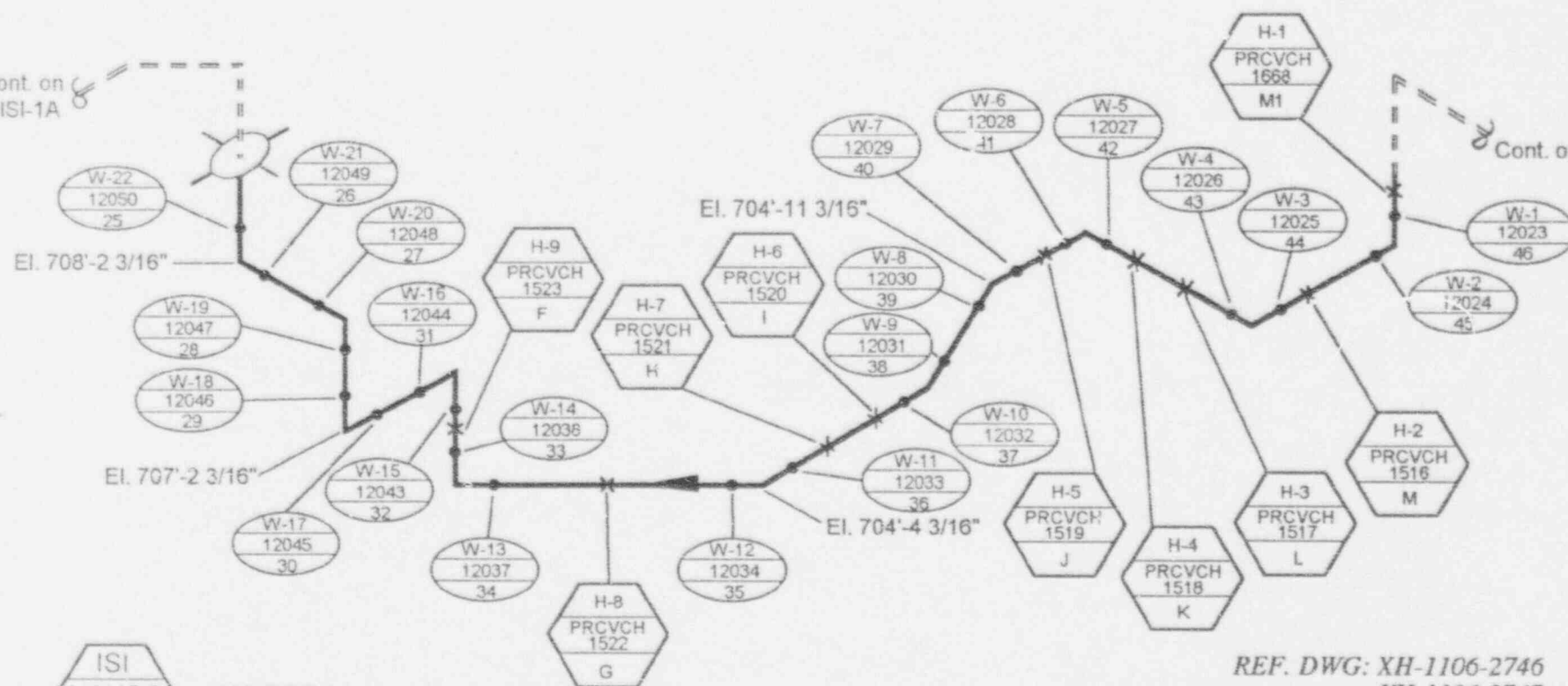
Seal Injection Loop "A"

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>ALS</i>	CHKD: <i>YAV</i> APPD: <i>CH</i>
SYSTEM: <i>Seal Injection</i>	
LINE NO: <i>1 1/2-2VC-21A, 2-2VC-21A</i>	
DWG NO: <i>2-ISI-1A</i>	REV: <i>3</i>



Cont. on
2-ISI-1A

Cont. on 2-ISI-1C



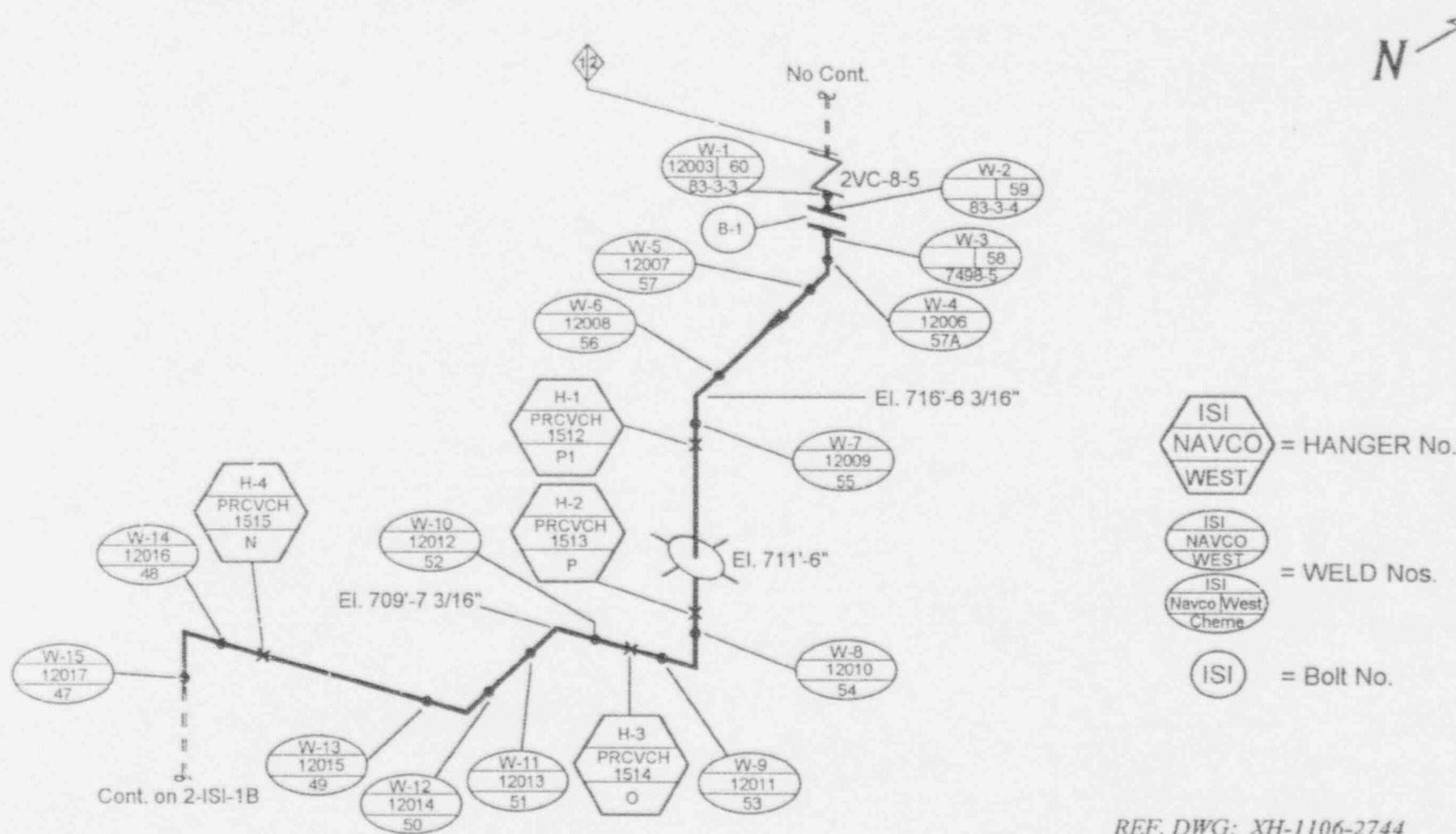
ISI
NAVCO
WEST
= HANGER No.

ISI
NAVCO
WEST
= WELD No.

Seal Injection Loop "A"

REF. DWG: XH-1106-2746
XH-1106-2747
XH-1106-2792

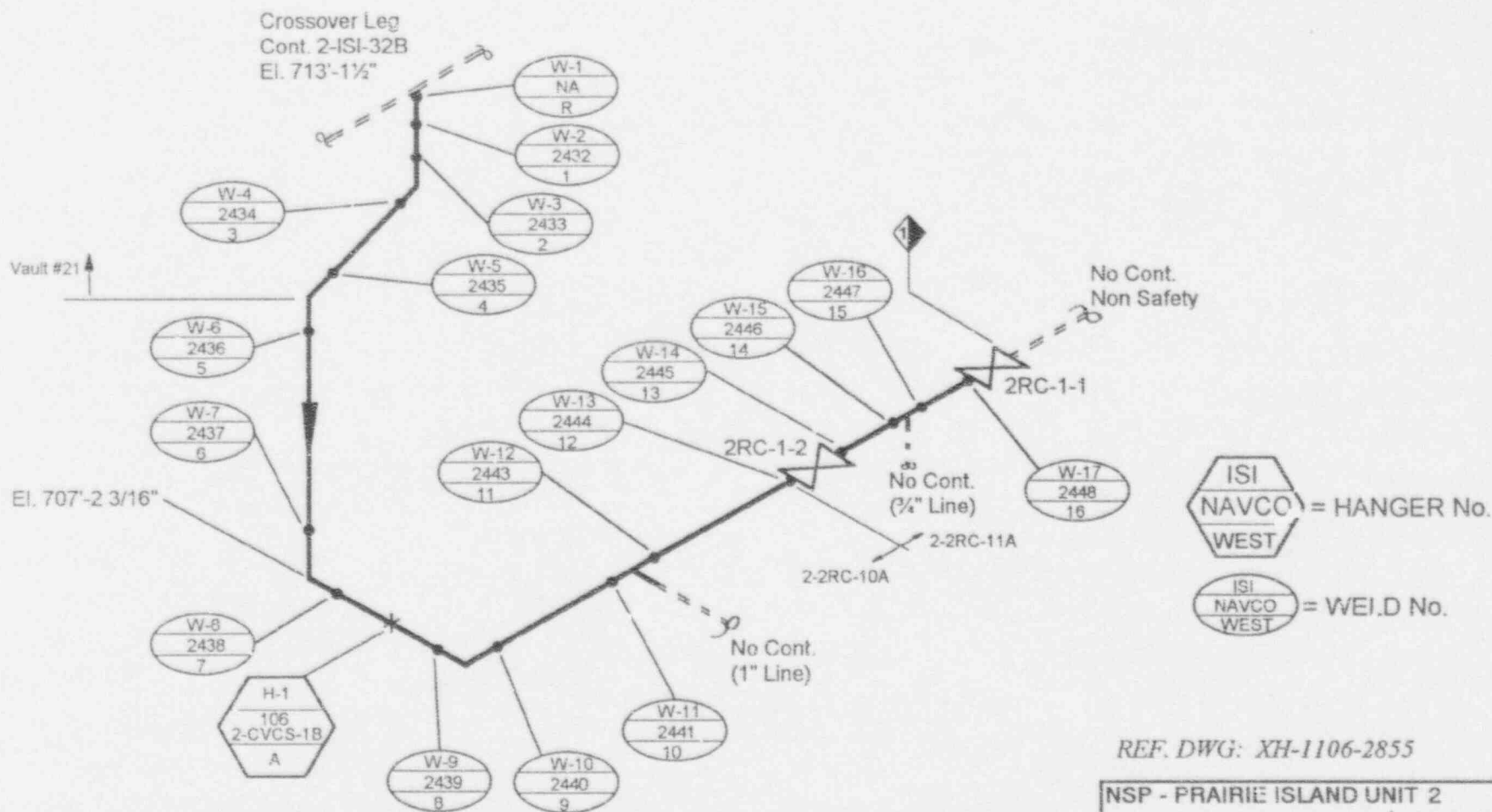
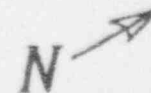
NSP - PRAIRIE ISLAND UNIT 2		ISI
DWN: AGJ	CHKD: Jh ^v	APPD: CLK
SYSTEM: <u>Seal Injection</u>		
LINE NO: <u>2VC-21A</u>		
DWG NO: <u>2-ISI-1B</u>		REV: <u>3</u>



Seal Injection Loop "A"

REF. DWG: XH-1106-2744
XH-1106-2745

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>AKS</i>	CHKD: <i>MV</i> APPD: <i>CHK</i>
SYSTEM: <u>Seal Injection</u>	
LINE NO: <u>2-2VC-21A</u>	
DWG NO: <u>2-ISI-1C</u>	REV: <u>3</u>



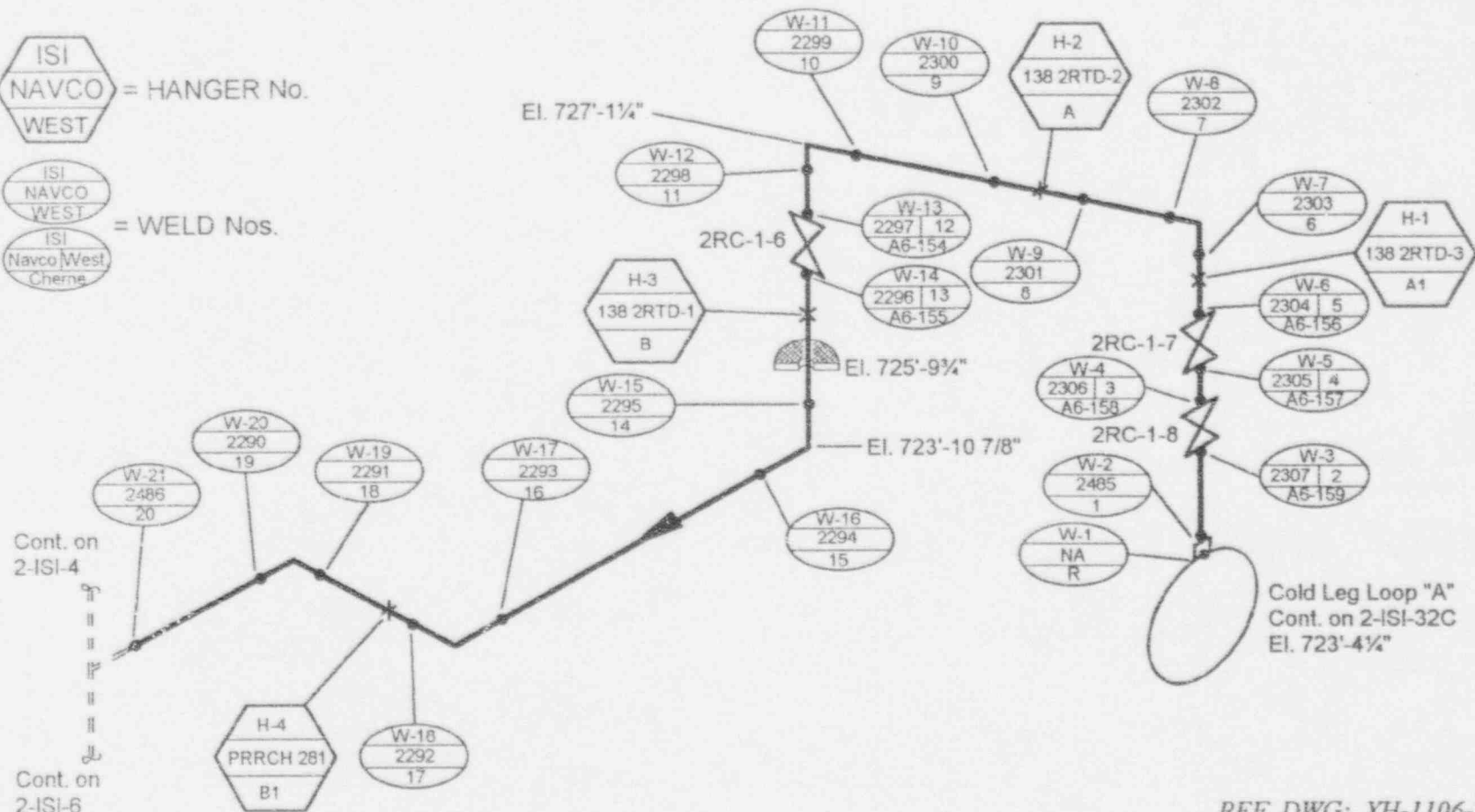
Crossover Drain Loop "A"

REF. DWG: XH-1106-2855

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: AGT	CHKD: m/ APPD: JAK
SYSTEM: <u>Crossover Drain</u>	
LINE NO: <u>2-2RC-10A, 2-2RC-11A</u>	
DWG NO: <u>2-ISI-2</u>	REV: <u>3</u>

ISI
NAVCO
WEST = HANGER No.

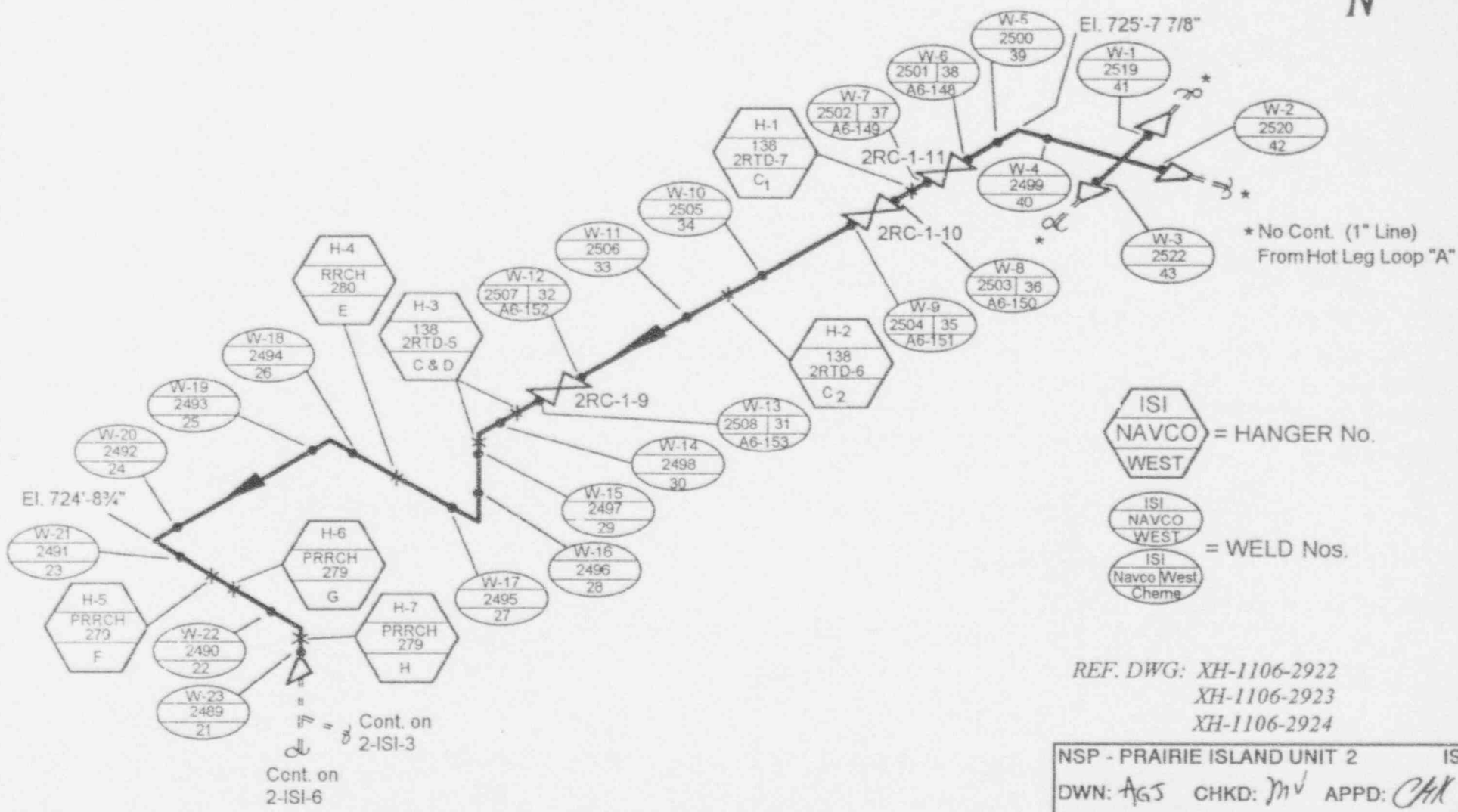
ISI
NAVCO
WEST
ISI
Navco West
Cherna = WELD Nos.



Cold Leg RTD Takeoff Loop "A"

REF. DWG: XH-1106-2914
XH-1106-2915

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: AGS	CHKD: JV
SYSTEM: Cold Leg RTD Takeoff	APPD: CM
LINE NO: 2-2RC-8A	
DWG NO: 2-ISI-3	REV: 3

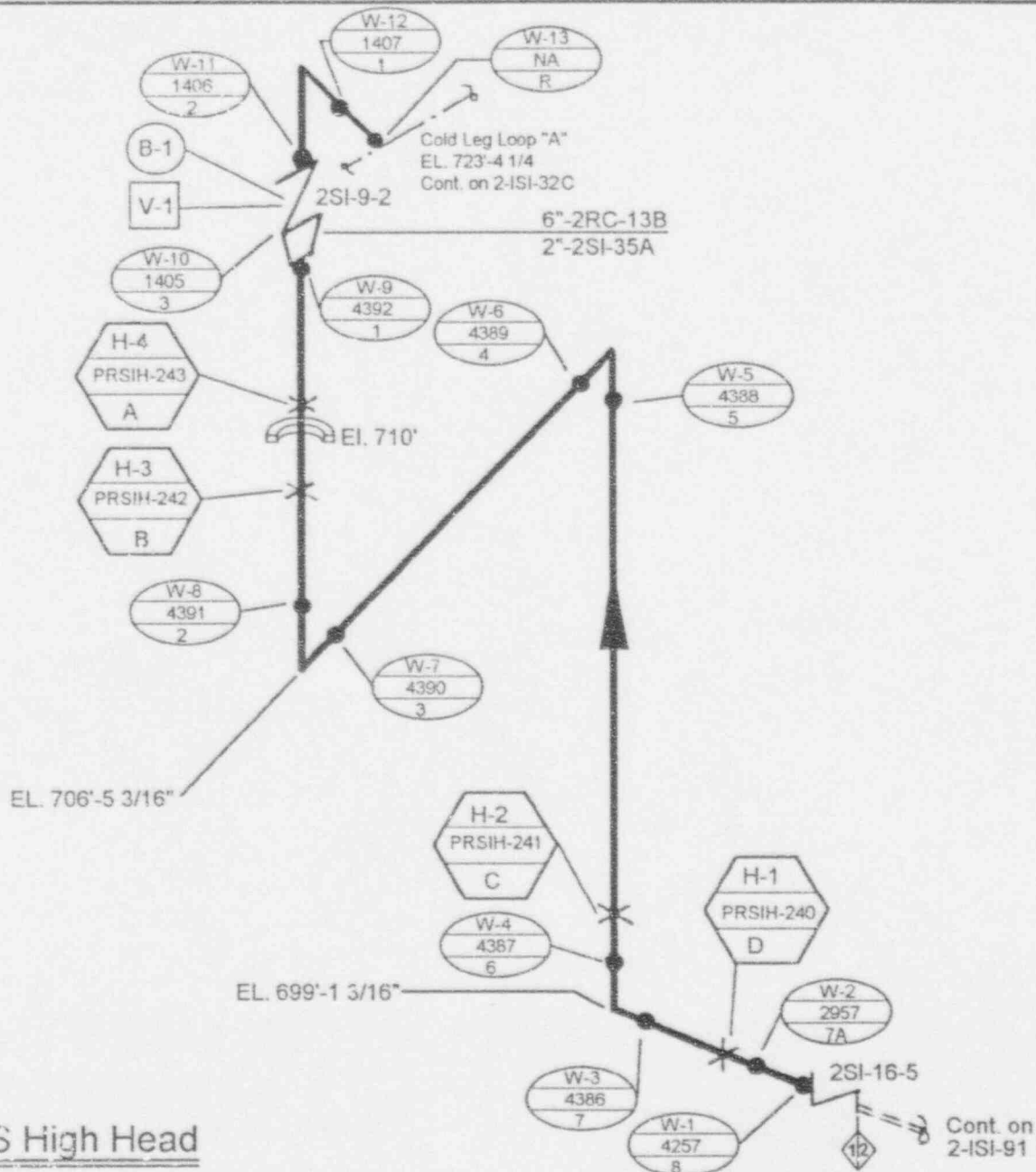


Hot Leg RTD Takeoff Loop "A"

REF. DWG: XH-1106-2922
XH-1106-2923
XH-1106-2924

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: AGS	CHKD: MV
SYSTEM: Hot Leg RTD Takeoff	APPD: CH
LINE NO: 2-2RC-7A	
DWG NO: 2-ISI-4	REV: 3

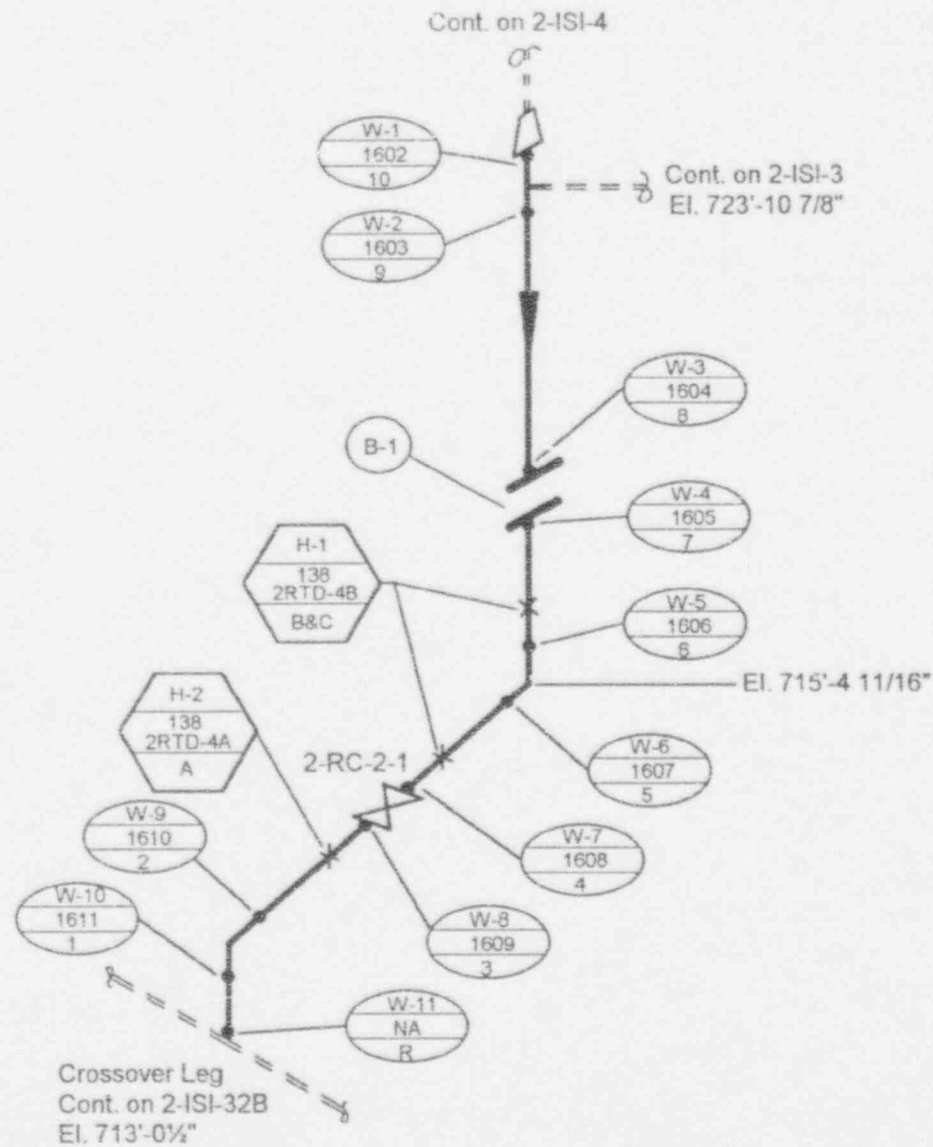
SIS High Head



- ISI NAVCO WEST = HANGER No.
- ISI NAVCO WEST = WELD No.
- ISI = Bolt No.
- ISI = Valve No.

Ref. Dwgs: XH-1106-2705
XH-1106-2706
XH-1106-2601

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: AGS	CHKD: <i>Th</i> APPD: <i>CM</i>
SYSTEM: <i>Safety Injection High Head</i>	
LINE NO: 2-2SI-35A, 6-2RC-13B	
DWG NO: 2-ISI-5	REV: 4



ISI
NAVCO
WEST = HANGER No.

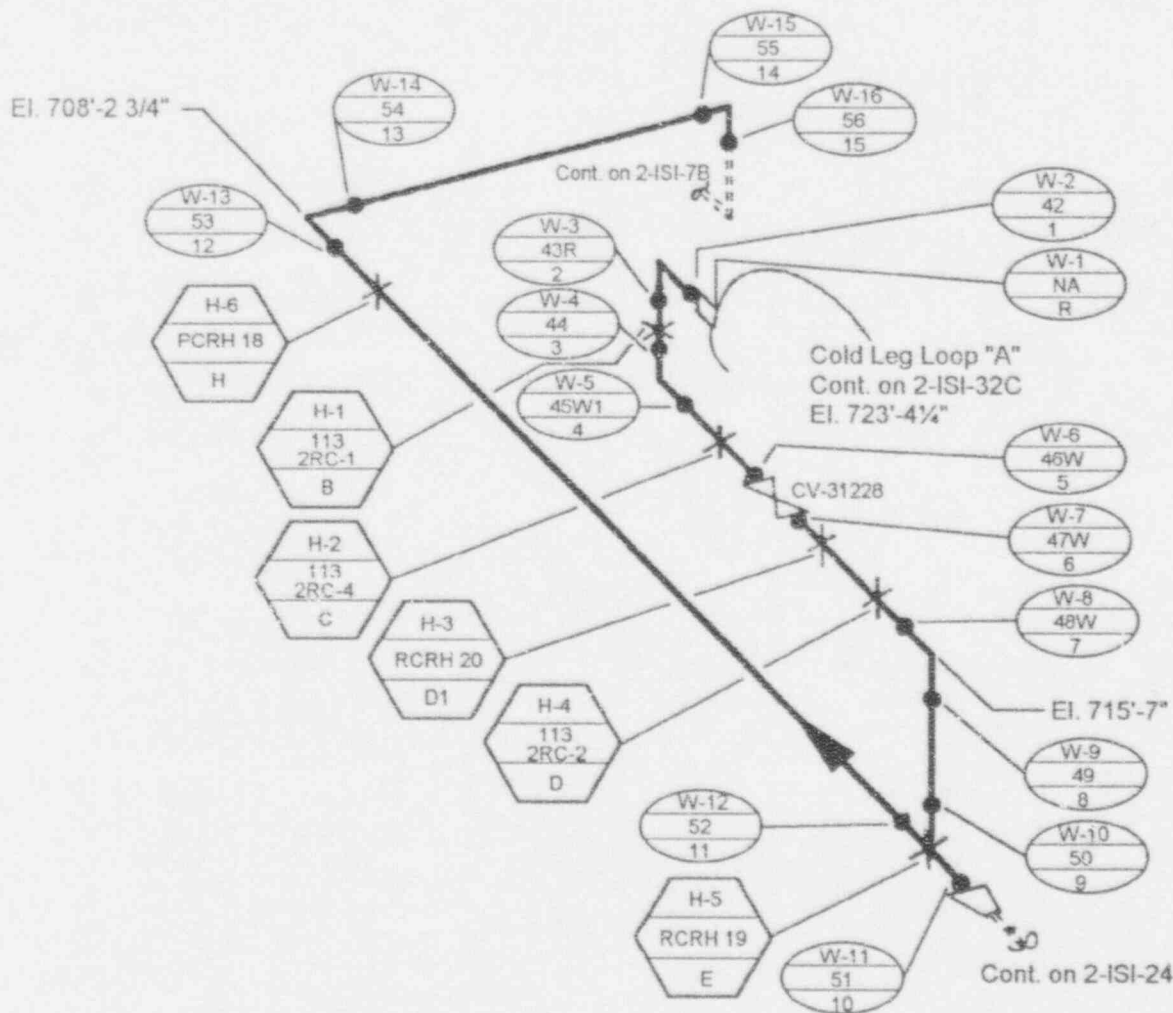
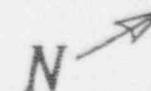
ISI
NAVCO
WEST = WELD No.

ISI = Bolt No.

REF. DWG: XH-1106-2605

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: AGS	CHKD: MV APPD: CM
SYSTEM: RTD Return	
LINE NO: 3-2RC-6A	
DWG NO: 2-ISI-6	REV: 3

RTD Return Loop "A"

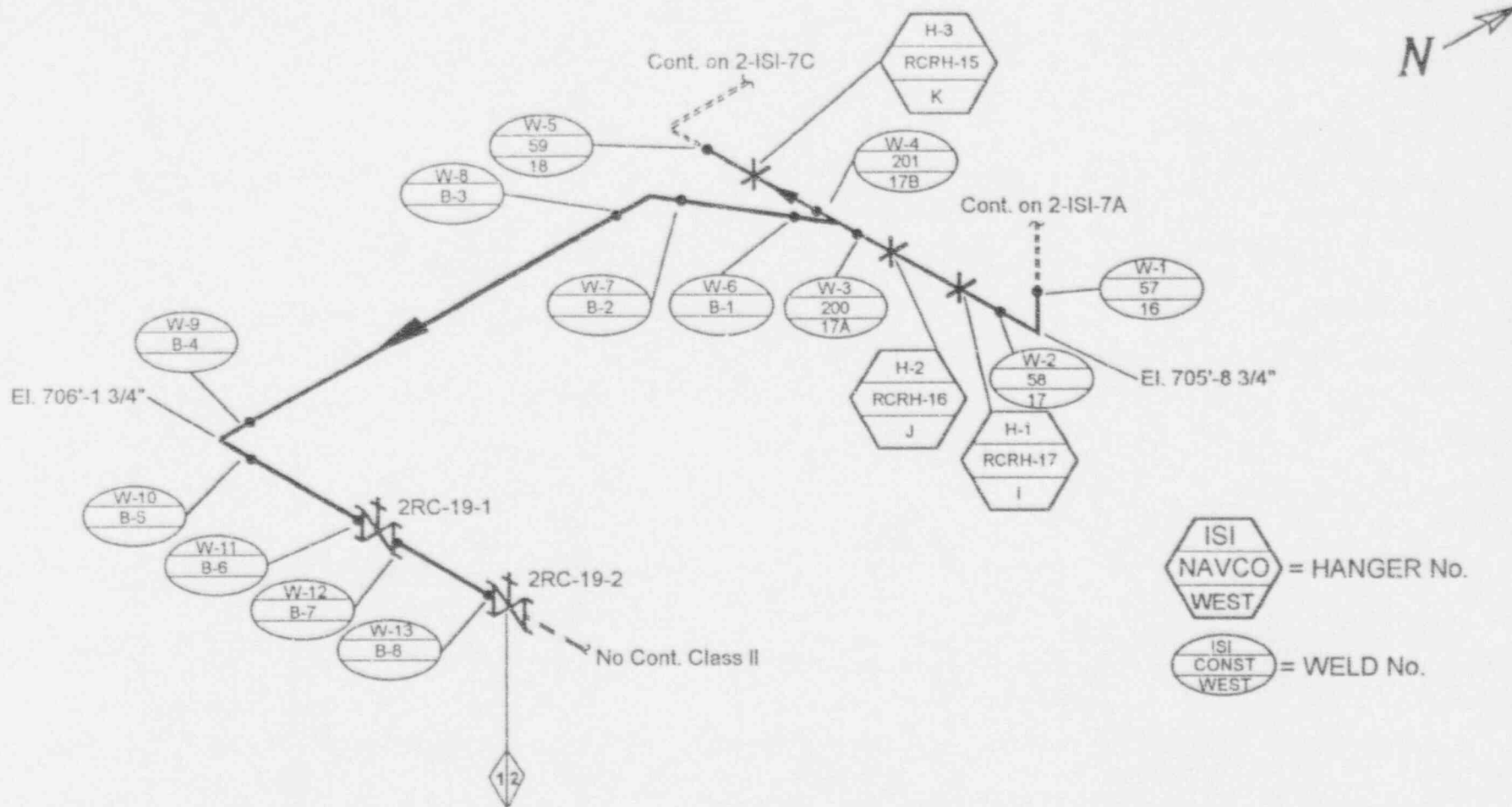


 = HANGER No.
 = WELD No.

REF. DWG: XH-1106-2542

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>AGS</i>	CHKD: <i>Thv</i> APPD: <i>CHL</i>
SYSTEM: <i>Spray to Pressurizer</i>	
LINE NO: <i>3-2RC-5</i>	
DWG NO: <i>2-ISI-7A</i>	REV: <i>3</i>

Spray to Pressurizer

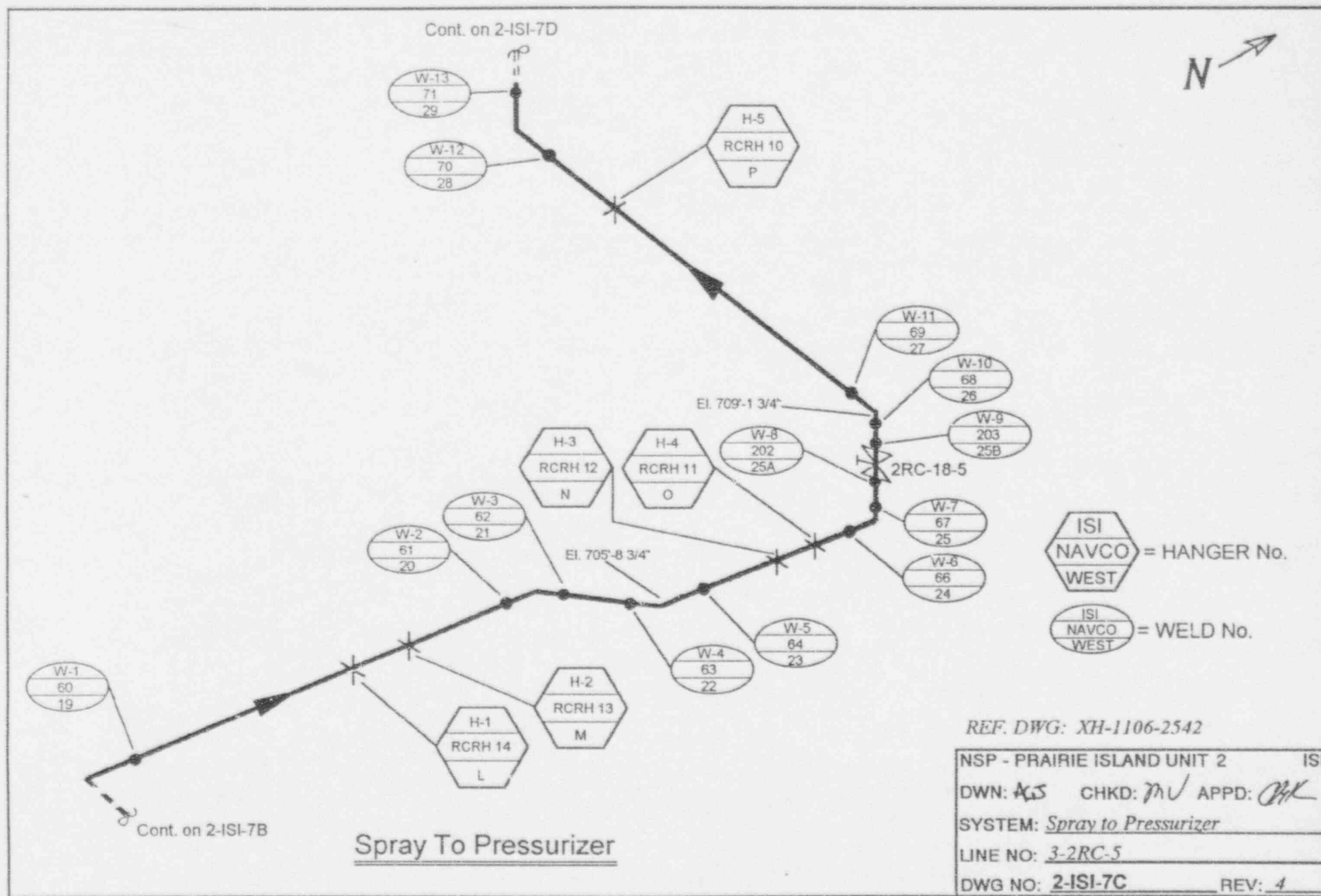


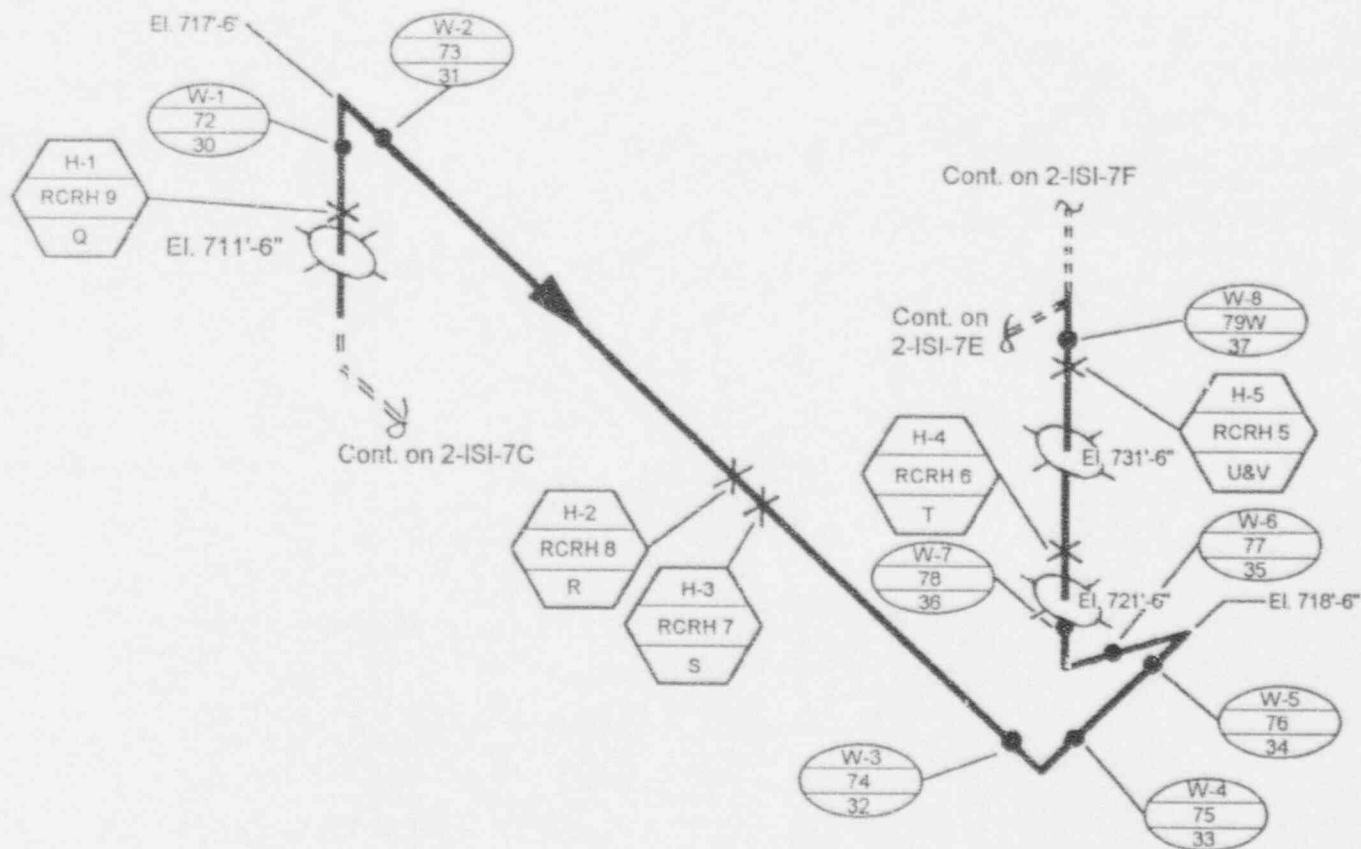
Spray Line to RCDT

REF. DWG: NQ-159014

XH-1106-2542

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>ASJ</i>	CHKD: <i>mv</i> APPD: <i>CHK</i>
SYSTEM: <u>Spray Line To RCDT</u>	
LINE NO: <u>2-2RC-93, 3-2RC-5</u>	
DWG NO: <u>2-ISI-7B</u>	REV: <u>3</u>

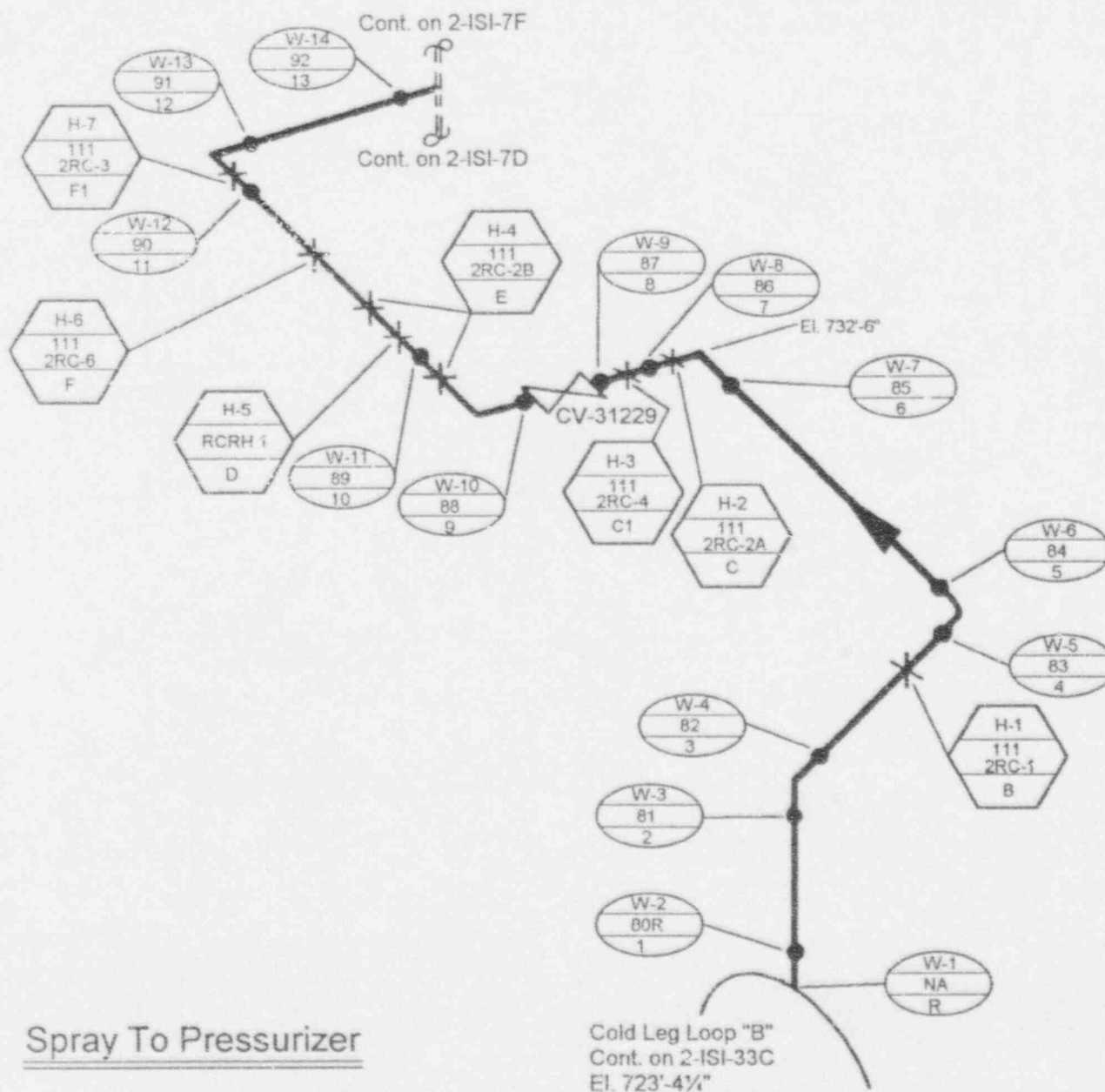




Spray To Pressurizer

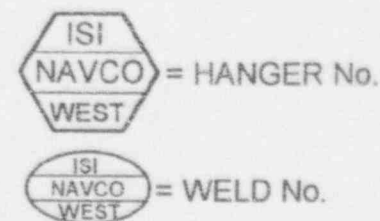
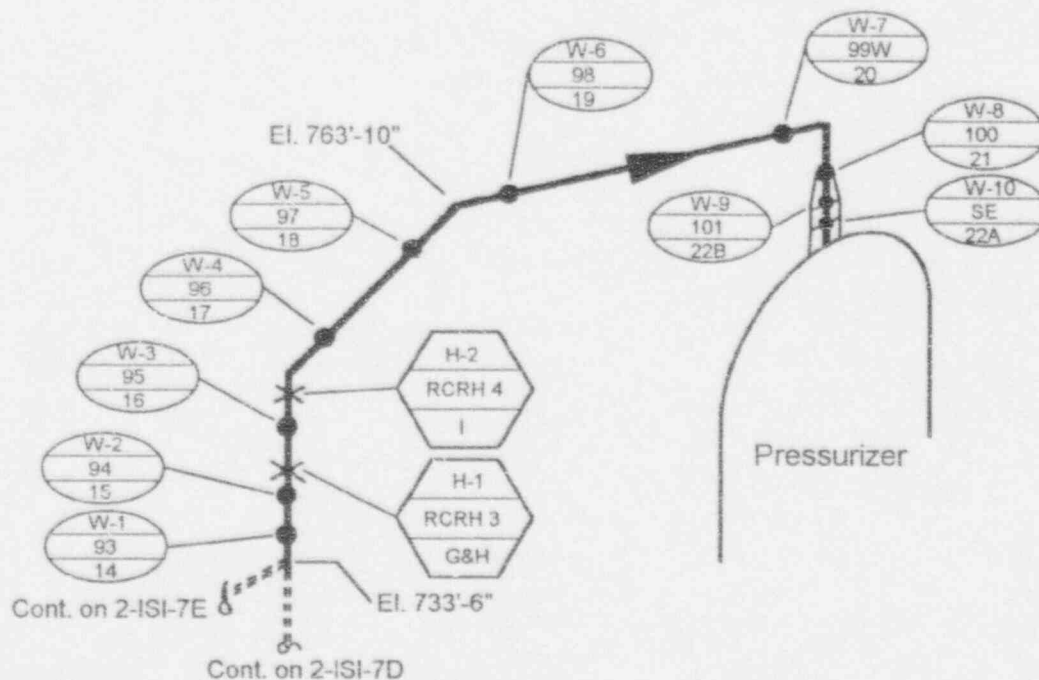
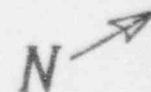
REF. DWG: XH-1106-2542

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>AGS</i>	CHKD: <i>mv</i> APPD: <i>OK</i>
SYSTEM: <i>Spray to Pressurizer</i>	
LINE NO: <i>3-2RC-5</i>	
DWG NO: <i>2-ISI-7D</i>	REV: <i>4</i>



REF. DWG: XH-1106-2542

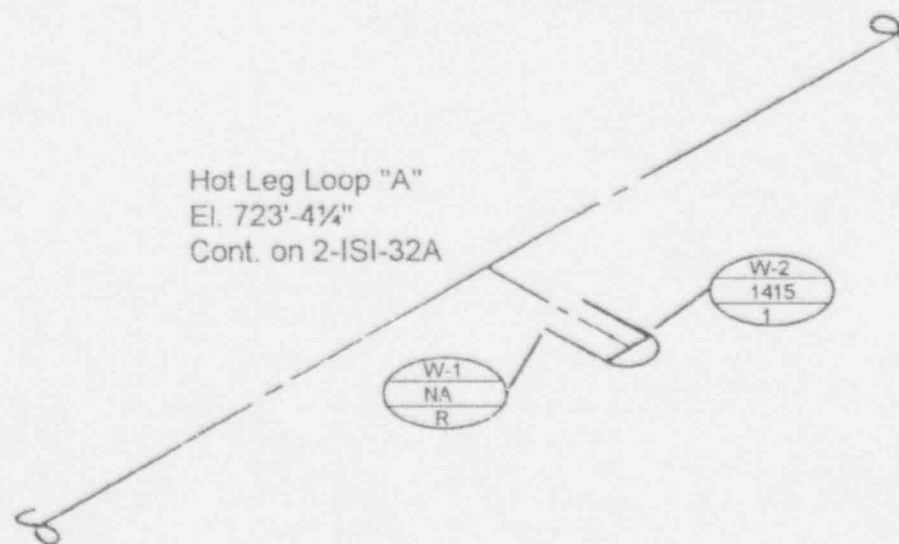
NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>AGS</i>	CHKD: <i>mv</i> APPD: <i>OK</i>
SYSTEM: <i>Spray to Pressurizer</i>	
LINE NO: <i>3-2RC-5</i>	
DWG NO: <i>2-ISI-7E</i>	REV: <i>3</i>



Spray To Pressurizer

REF. DWG: XH-1106-2542

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: AGJ	CHKD: Mv APPD: <i>AK</i>
SYSTEM: <i>Spray to Pressurizer</i>	
LINE NO: 3-2RC-5	
DWG NO: 2-ISI-7F	REV: 0



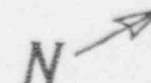
ISI
NAVCO
WEST = WELD No.

REF. DWG. XH-1106-2601

PLO Cap A

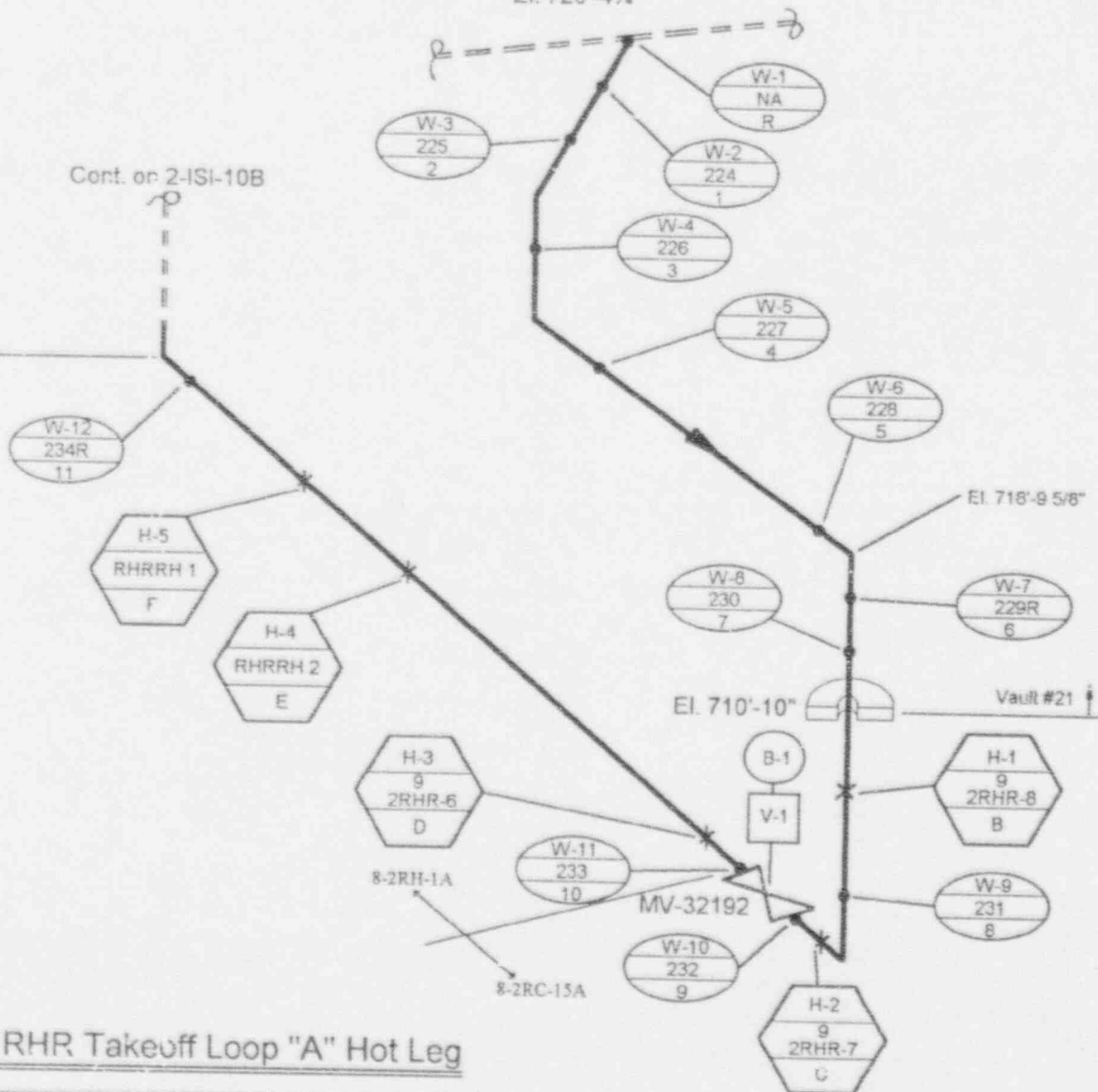
NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>AG</i>	CHKD: <i>mv</i> APPD: <i>OK</i>
SYSTEM: <i>PLO Cap</i>	
LINE NO: <i>6-2RC-13A</i>	
DWG NO: <i>2-ISI-9</i>	REV: <i>3</i>

Hot Leg Loop "A"
Cont. on 2-ISI-32
El. 723'-4 1/4"



Cont. on 2-ISI-10B

El. 699'-0"



ISI
NAVCO
WEST = HANGER No.

ISI
NAVCO
WEST = WELD No.

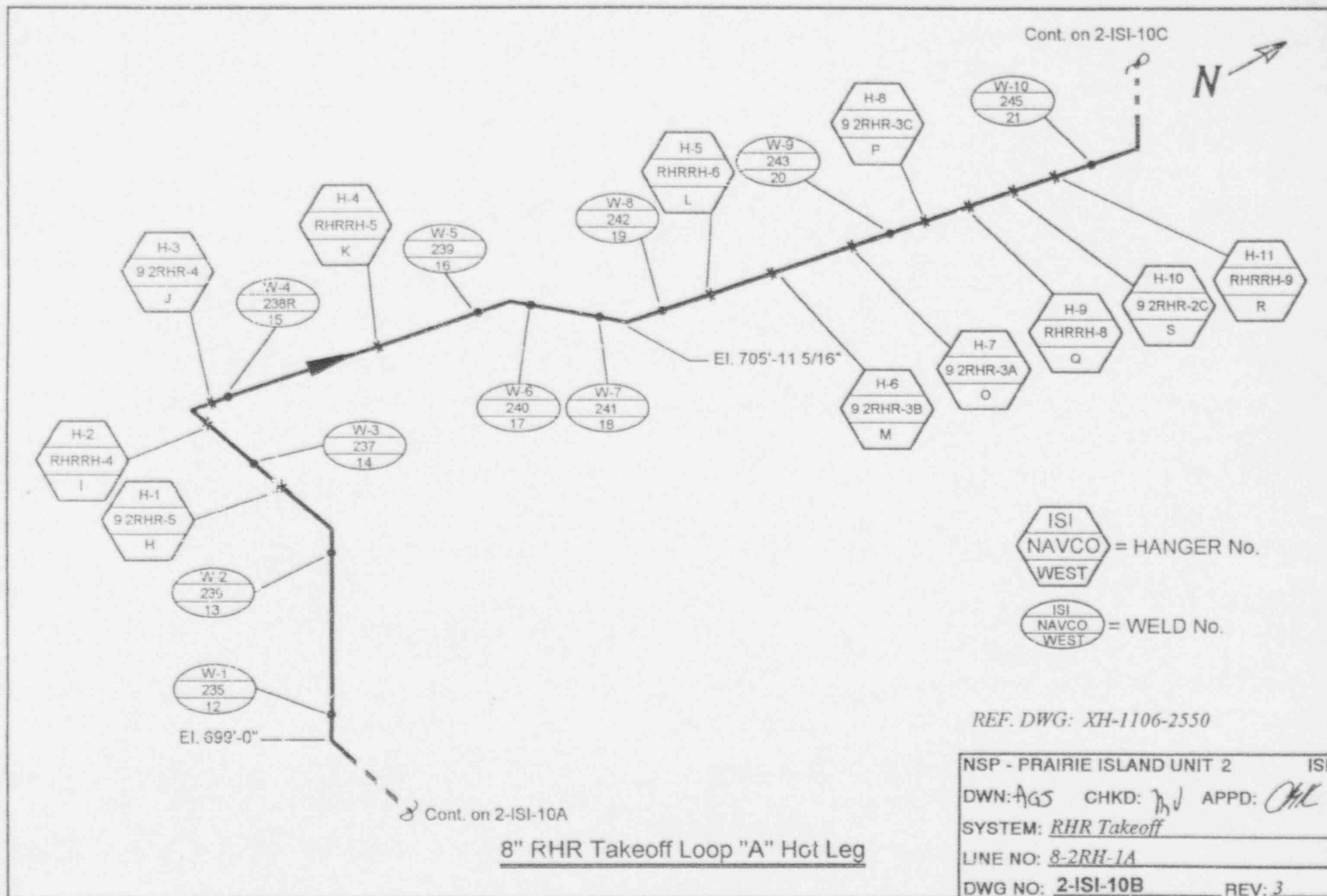
ISI = Bolt No.

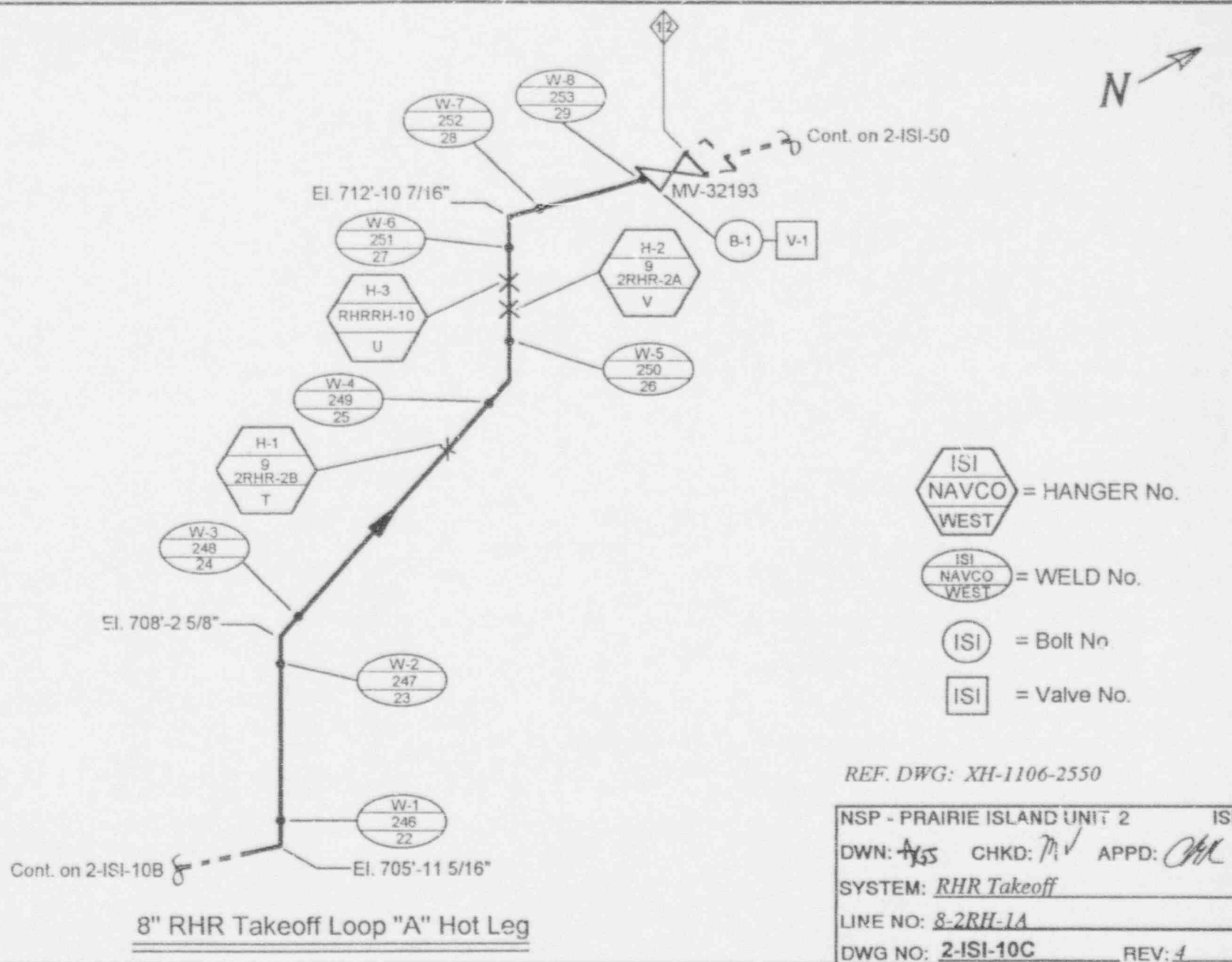
ISI = Valve No.

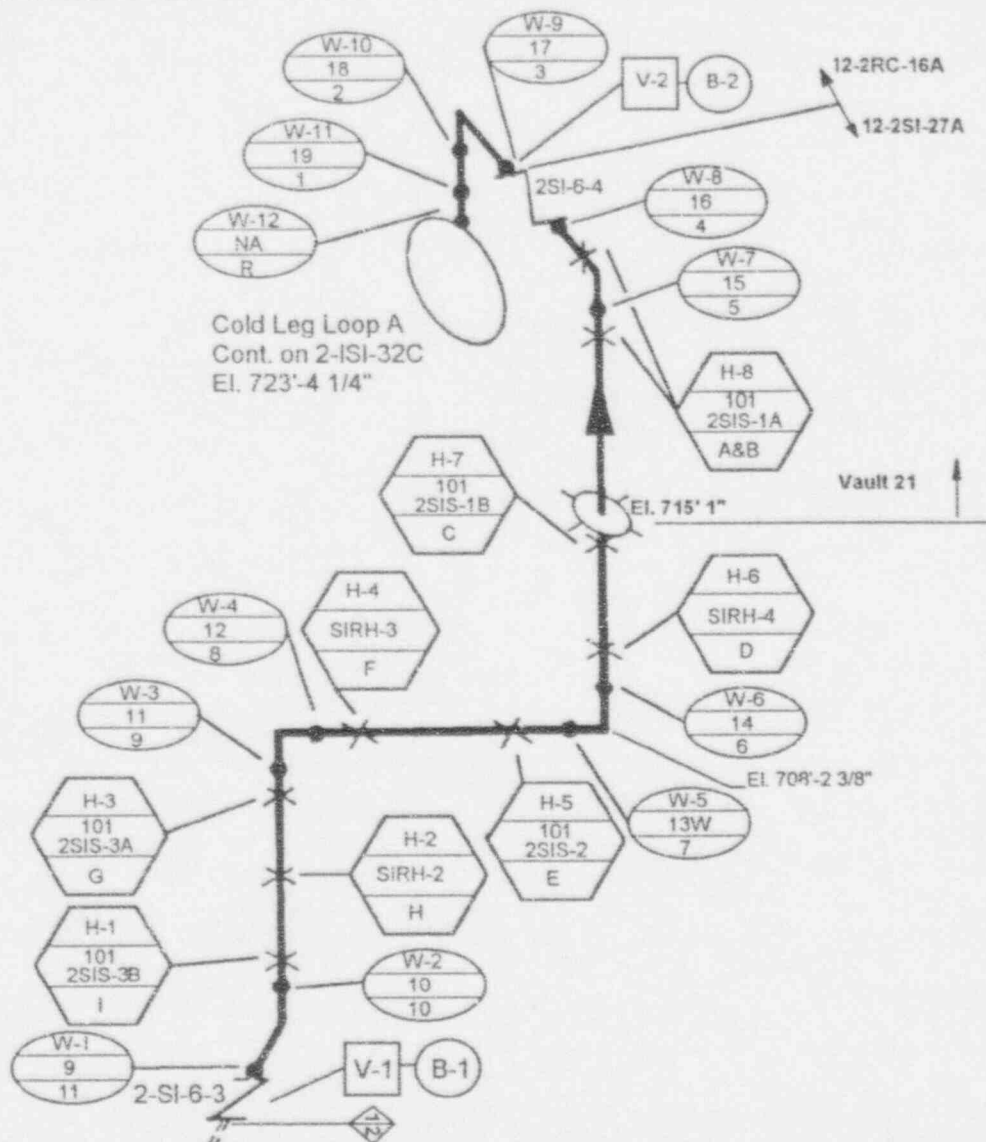
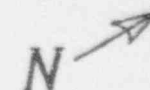
8" RHR Takeoff Loop "A" Hot Leg

REF. DWG: XH-1106-2550

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: AGS	CHKD: <i>mv</i> APPD: <i>OM</i>
SYSTEM: <i>RHR Takeoff</i>	
LINE NO: <i>8-2RH-1A, 8-2RC-15A</i>	
DWG NO: <i>2-ISI-10A</i>	REV: <i>4</i>







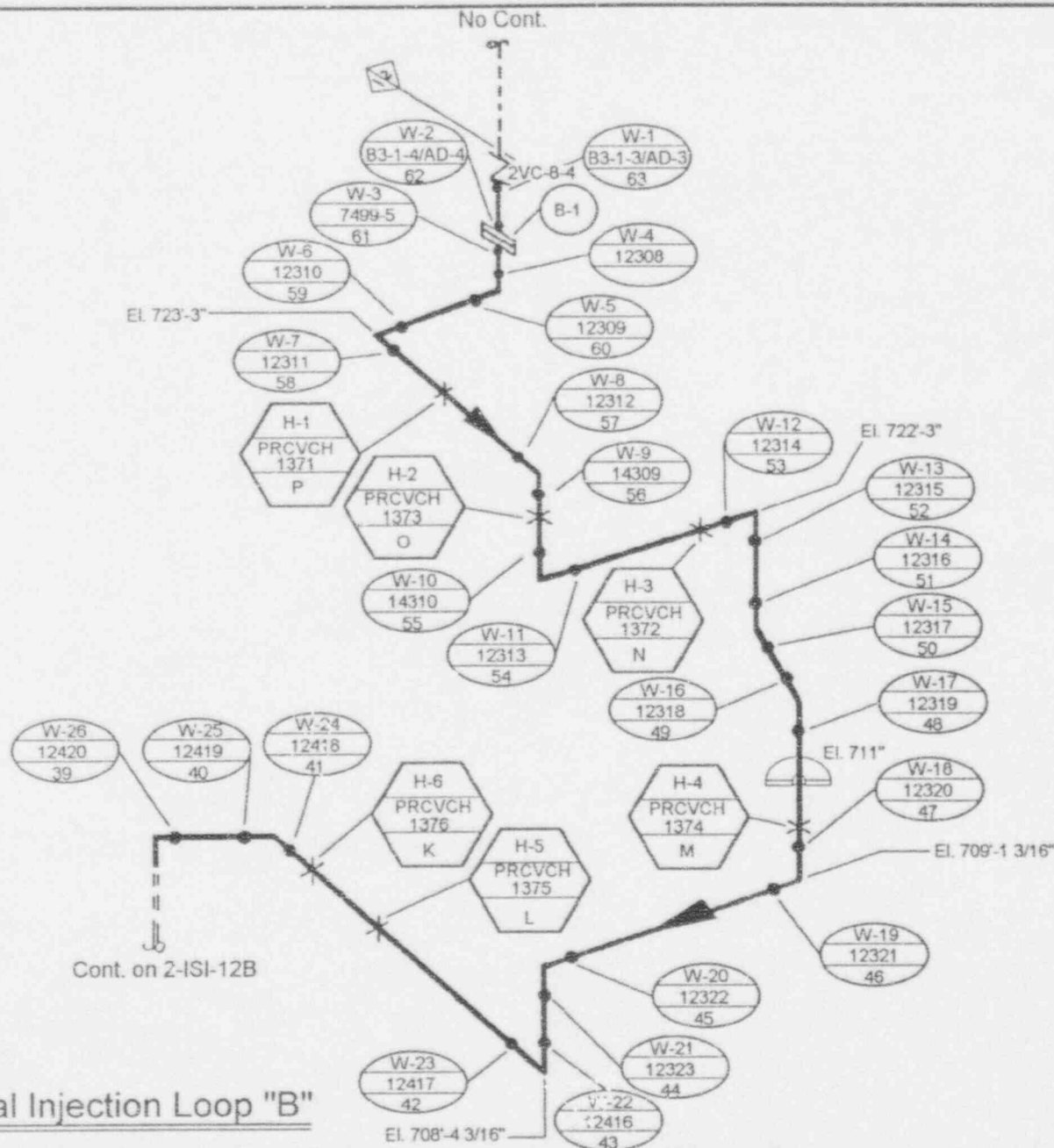
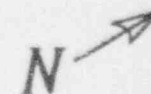
- = HANGER No.
- = WELD No.
- = Bolt No.
- = Valve No.

No Cont.
Exempt per IWC-1221(e)

Loop "A" Accumulator Discharge

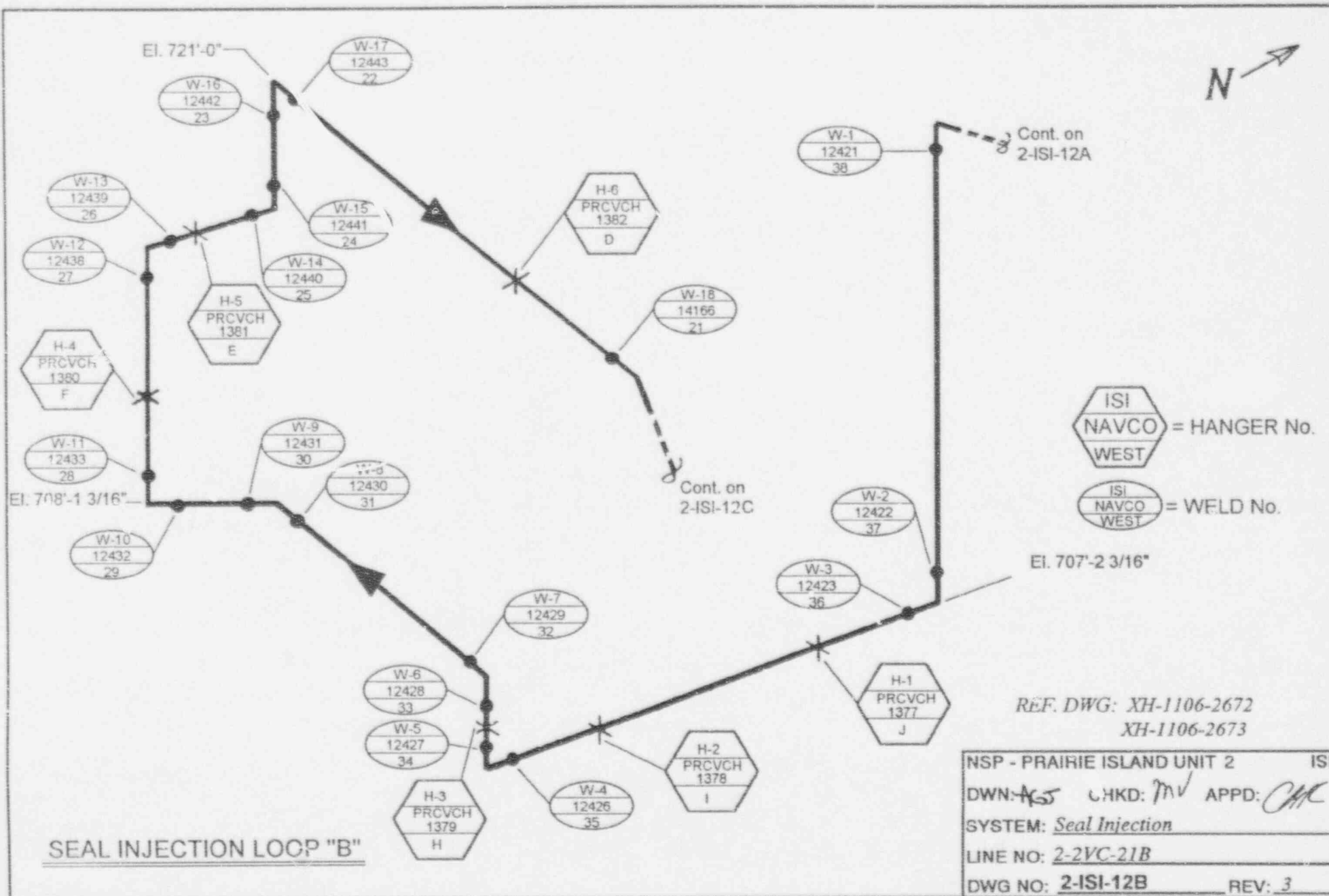
Ref. Dwg: XH-1106-2517

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>AGS</i>	CHKD: <i>dh</i> APPD: <i>CHK</i>
SYSTEM: <i>Accumulator Discharge</i>	
LINE NO: <i>12-2RC-16A, 12-2SI-27A</i>	
DWG NO: <i>2-ISI-11</i>	REV: <i>4</i>

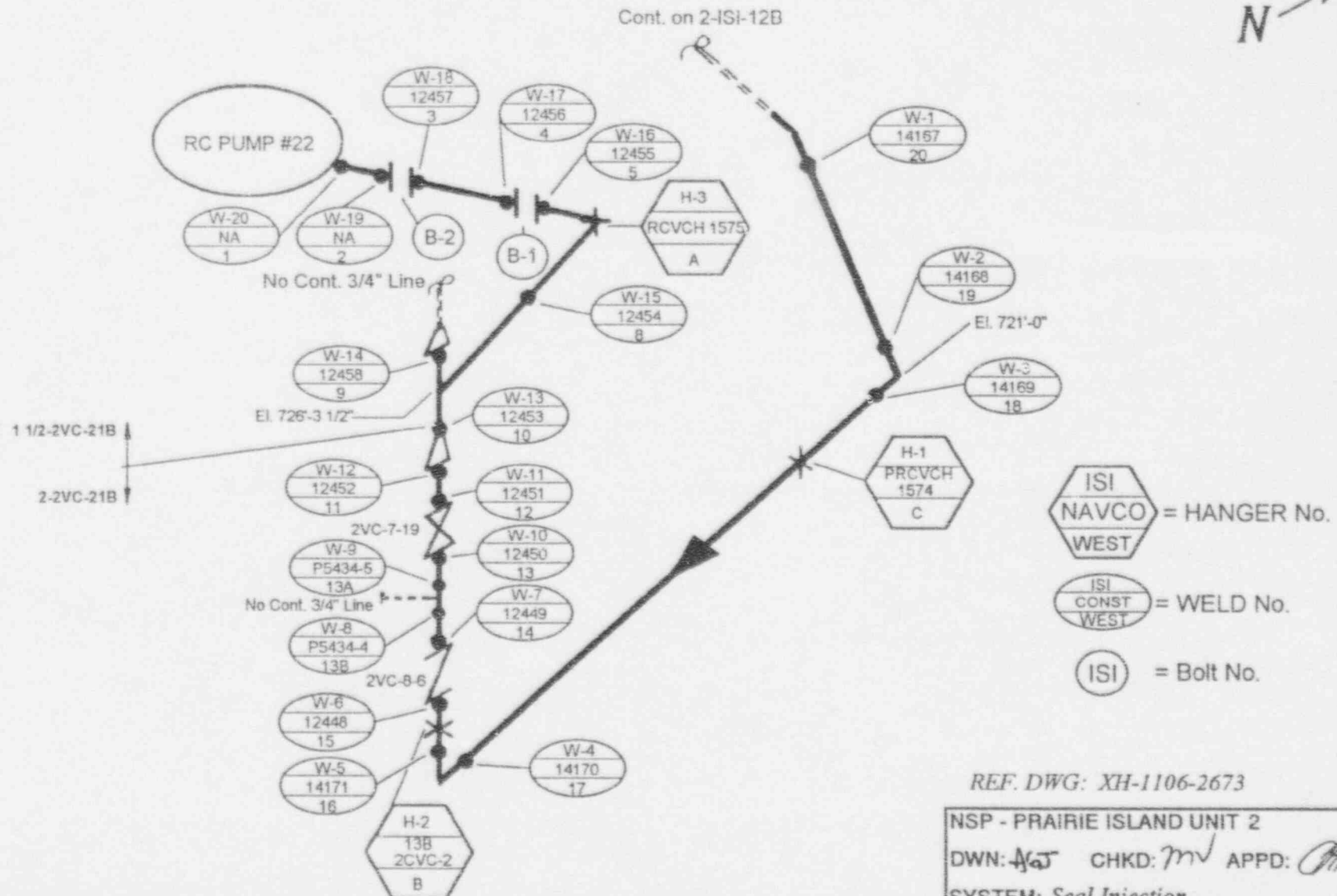
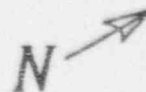


REF. DWG: XH-1106-2670
XH-1106-2671

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: AGS	CHKD: <i>Ym</i>
SYSTEM: <u>Seal Injection</u>	APPD: <i>OM</i>
LINE NO: <u>2-2VC-21B</u>	
DWG NO: <u>2-ISI-12A</u>	REV: <u>3</u>



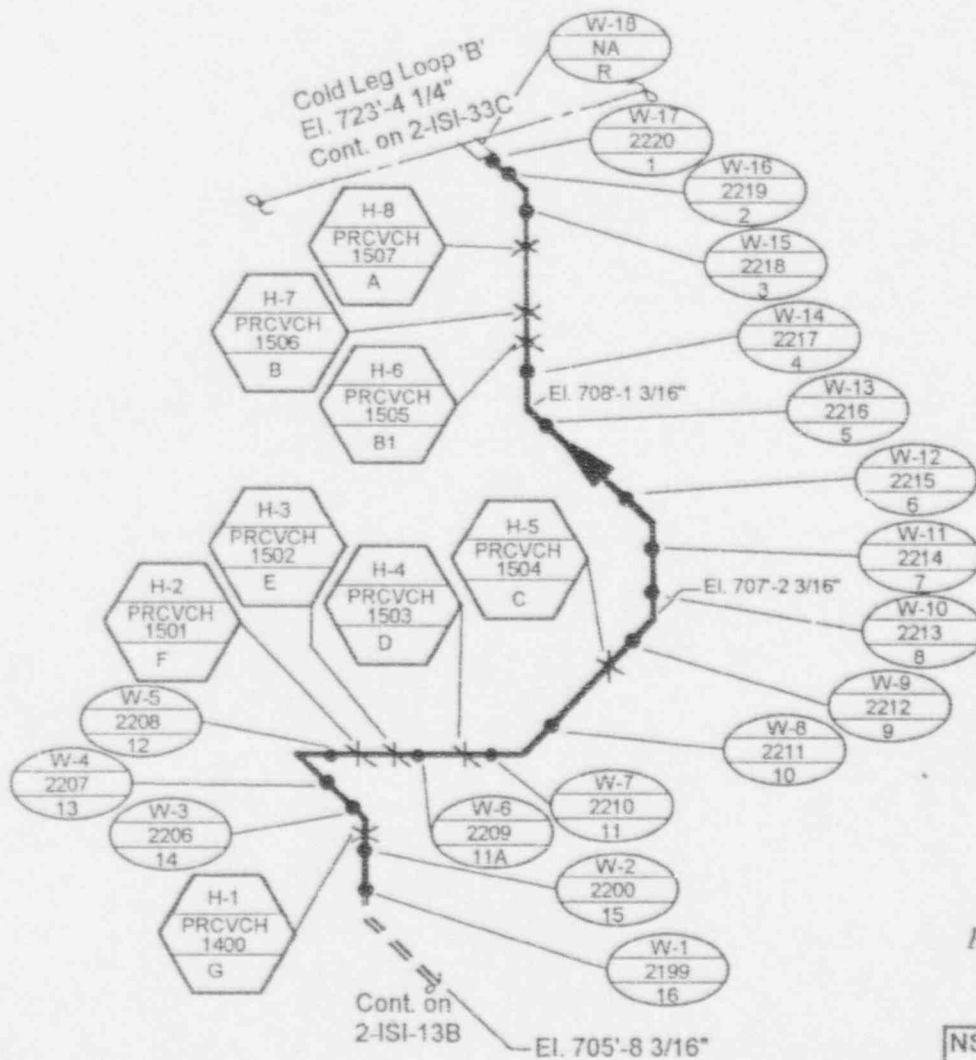
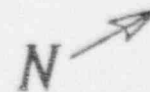
SEAL INJECTION LOOP "B"



SEAL INJECTION LOOP "B"

REF. DWG: XH-1106-2673

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>AW</i>	CHKD: <i>mv</i> APPD: <i>ML</i>
SYSTEM: <u>Seal Injection</u>	
LINE NO: <u>1 1/2-2VC-21B, 2-2VC-21B</u>	
DWG NO: <u>2-ISI-12C</u>	REV: <u>3</u>



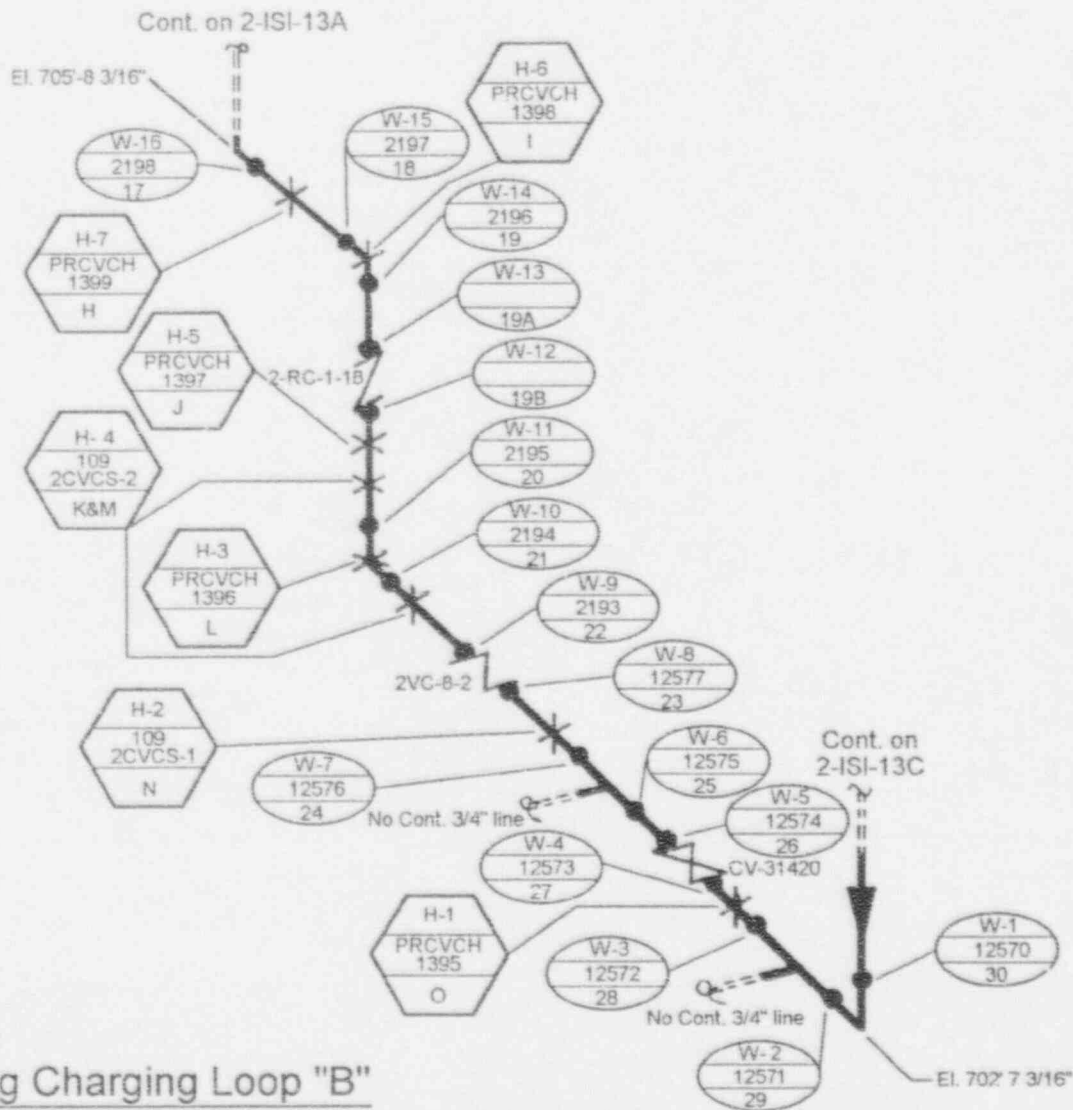
ISI
NAVCO
WEST = HANGER No.

ISI
NAVCO
WEST = WELD No.

REF. DWG: XH-1106-2720
XH-1106-2684

2" Cold Leg Charging Loop "B"

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>AGS</i>	CHKD: <i>mv</i> APPD: <i>CHL</i>
SYSTEM: <i>Charging Line</i>	
LINE NO: <i>2-2RC-17</i>	
DWG NO: <i>2-ISI-13A</i>	REV: <i>3</i>



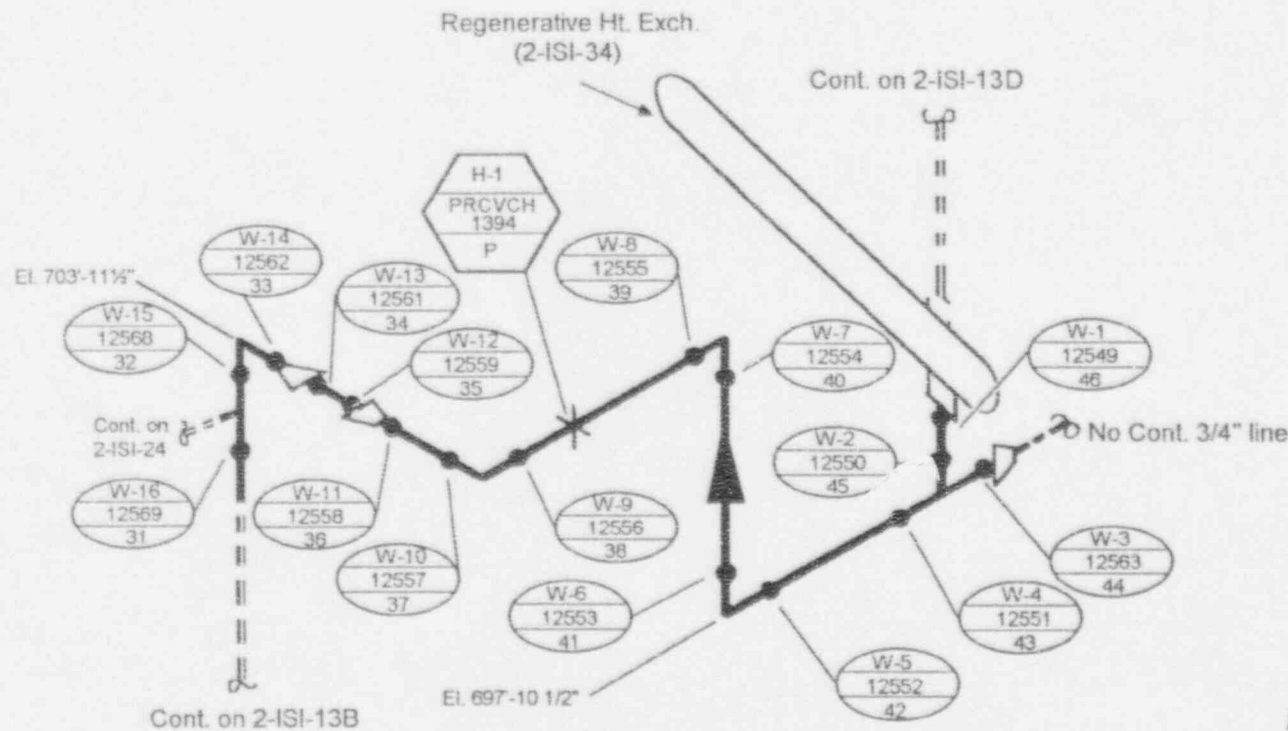
ISI
NAVCO
WEST = HANGER No.

ISI
NAVCO
WEST = WELD No.

REF. DWG: XH-1106-2718
XH-1106-2719
XH-1106-2720

2" Cold Leg Charging Loop "B"

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: AGS	CHKD: MIV APPD: CM
SYSTEM: Charging Line	
LINE NO: 2-2VC-5, 2-2RC-17	
DWG NO: 2-ISI-13B	REV: 4



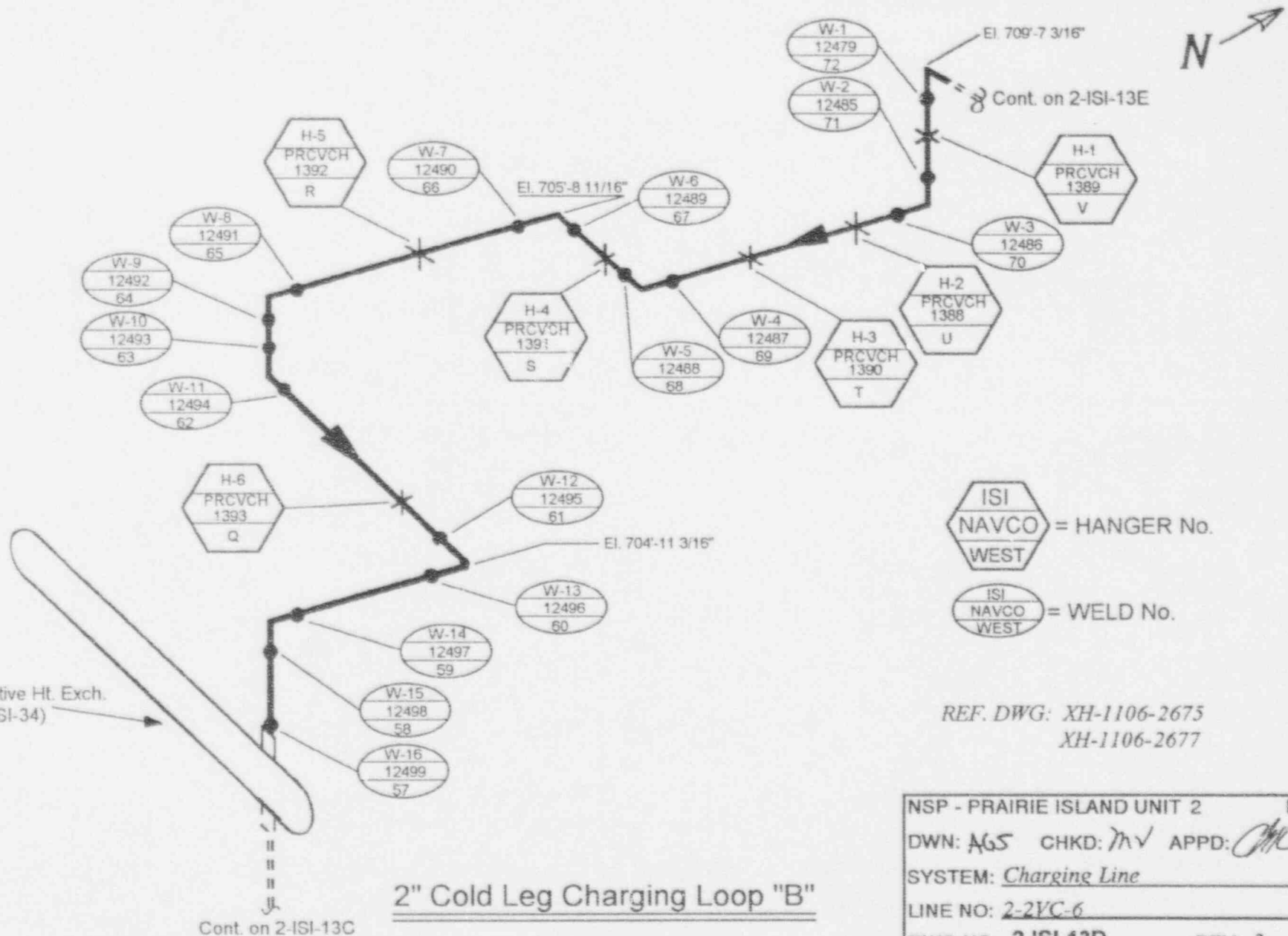
ISI
NAVCO
WEST = HANGER No.

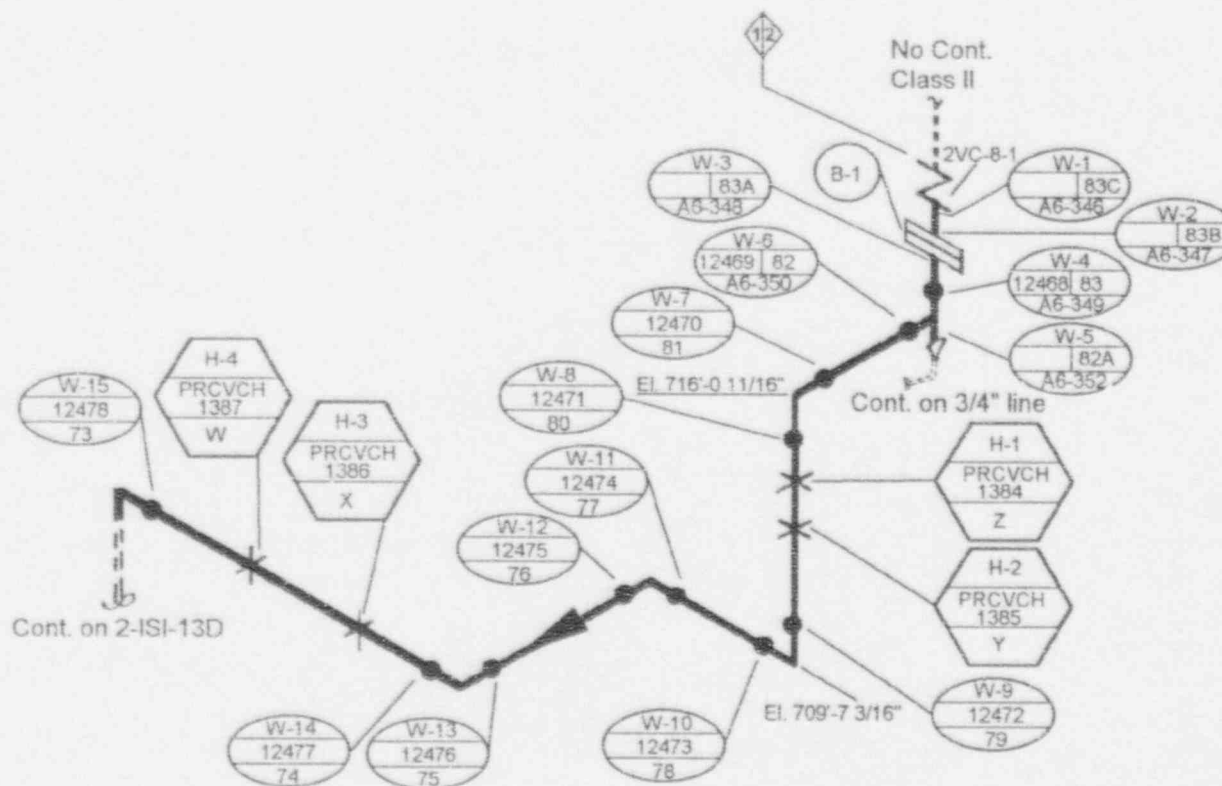
ISI
NAVCO
WEST = WELD No.




REF. DWG: XH-1106-2718
XH-1106-2719
XH-1106-2720

2" Cold Leg Charging Loop "B"

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>AS</i>	CHKD: <i>MV</i> APPD: <i>CMK</i>
SYSTEM: <i>Charging Line</i>	
LINE NO: <i>2-2VC-5</i>	
DWG NO: <i>2-ISI-13C</i>	REV: <i>3</i>





-  = HANGER No.
-  = WELD Nos.
-  = Bolt No.

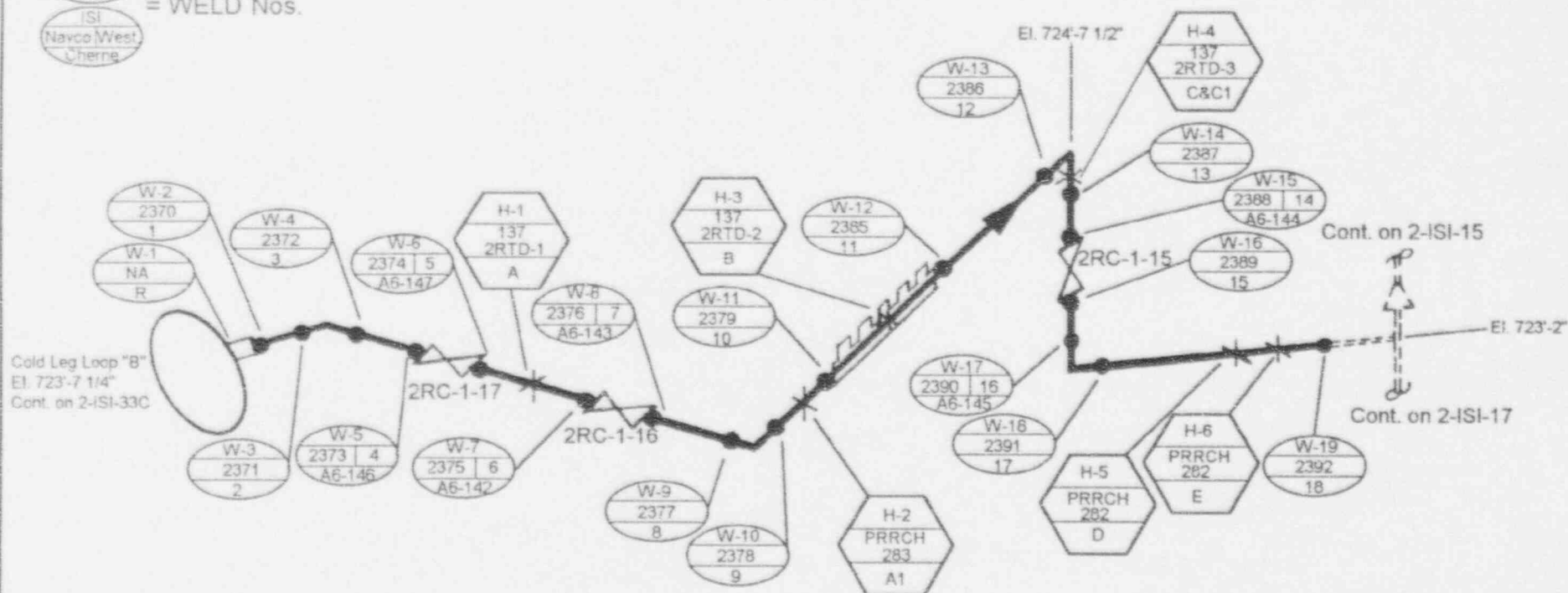
REF. DWG: XH-1106-2675
XH-1106-2676

2" Cold Leg Charging Loop "B"

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>AS</i>	CHKD: <i>MV</i> APPD: <i>CH</i>
SYSTEM: <i>Charging Line</i>	
LINE NO: <i>2-2VC-6</i>	
DWG NO: <i>2-ISI-13E</i>	REV: <i>0</i>

ISI
NAVCO
WEST = HANGER No.

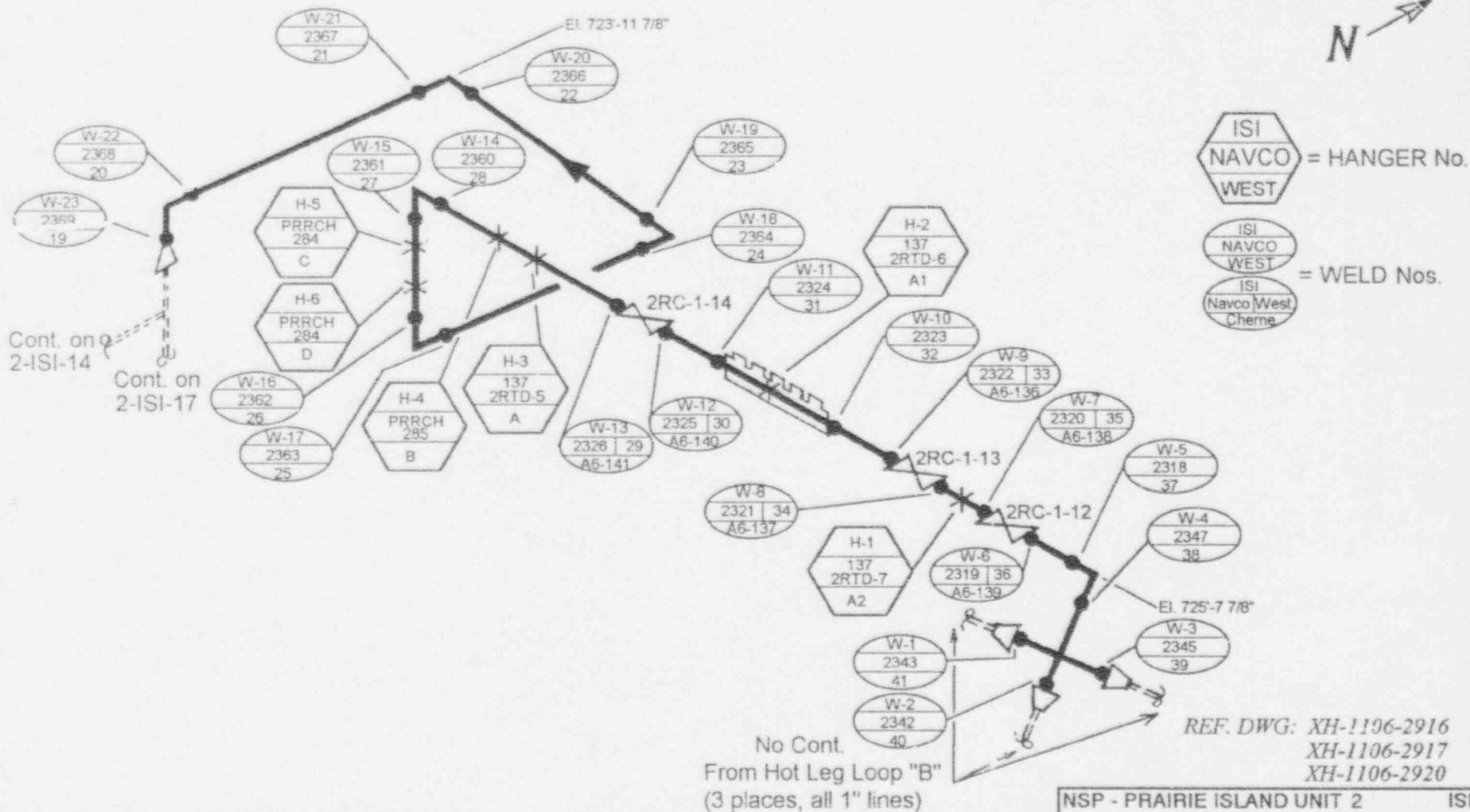
ISI
NAVCO
WEST = WELD Nos.
ISI
Navco/West
Cherne



REF. DWG: XH-1106-2918
XH-1106-2919

Cold Leg RTD Takeoff Loop "B"

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>AGS</i>	CHKD: <i>my</i> APPD: <i>CH</i>
SYSTEM: <i>RTD Takeoff Cold Leg</i>	
LINE NO: <i>2-2RC-8B</i>	
DWG NO: <i>2-ISI-14</i>	REV: <i>3</i>



Hot Leg RTD Takeoff Loop "B"

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>AGS</i>	CHKD: <i>m</i> APPD: <i>CHK</i>
SYSTEM: <i>RTD Takeoff Hot Leg</i>	
LINE NO: <i>2-2RC-7B</i>	
DWG NO: <i>2-ISI-15</i>	REV: <i>3</i>



Crossover Loop "B"
El. 713'-1/2"
Cont. on 2-ISI-33B

W-1
NA
R
W-2
2484
1
W-3
2396
2

W-4
2397
3

W-5
2398
4

W-6
2399
5

El. 710'-4 15/16"

H-1
107
2CVCS-2
A

W-9
2402
8

W-7
2400
6

El. 707'-11 3/16"

W-8
2401
7

2-2RC-19B

2-2RC-12

2-2RC-10B

2-2RC-11B

H-3
RRCH
290
A2

H-2
RRCH
291
A1

W-16
2411
19

W-17
2412
20

H-4
RRCH
250
B

W-18
2413
21

W-20
2415
23

W-22
2418
25

W-21
2416
24

W-19
2414
22

H-5
105
2CVCS-2
C

W-15
2409
18

W-14
2408
17

W-13
2410
16

W-23
2403
9

W-24
2428
10

W-12
2407
15

W-25
2429
11

W-26
2430
12

H-6
RRCH
264
E

No Cont. Non Safety

El. 704'-11 3/16"

CV-31230

CV-31279

No Cont.
Class II

El. 698'-4 1/4"

ISI
NAVCO
WEST

= HANGER No.

ISI
NAVCO
WEST

= WELD No.

2" Crossover Drain & Letdown

REF. DWG: XH-1106-2852

XH-1106-2854

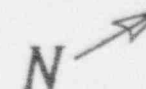
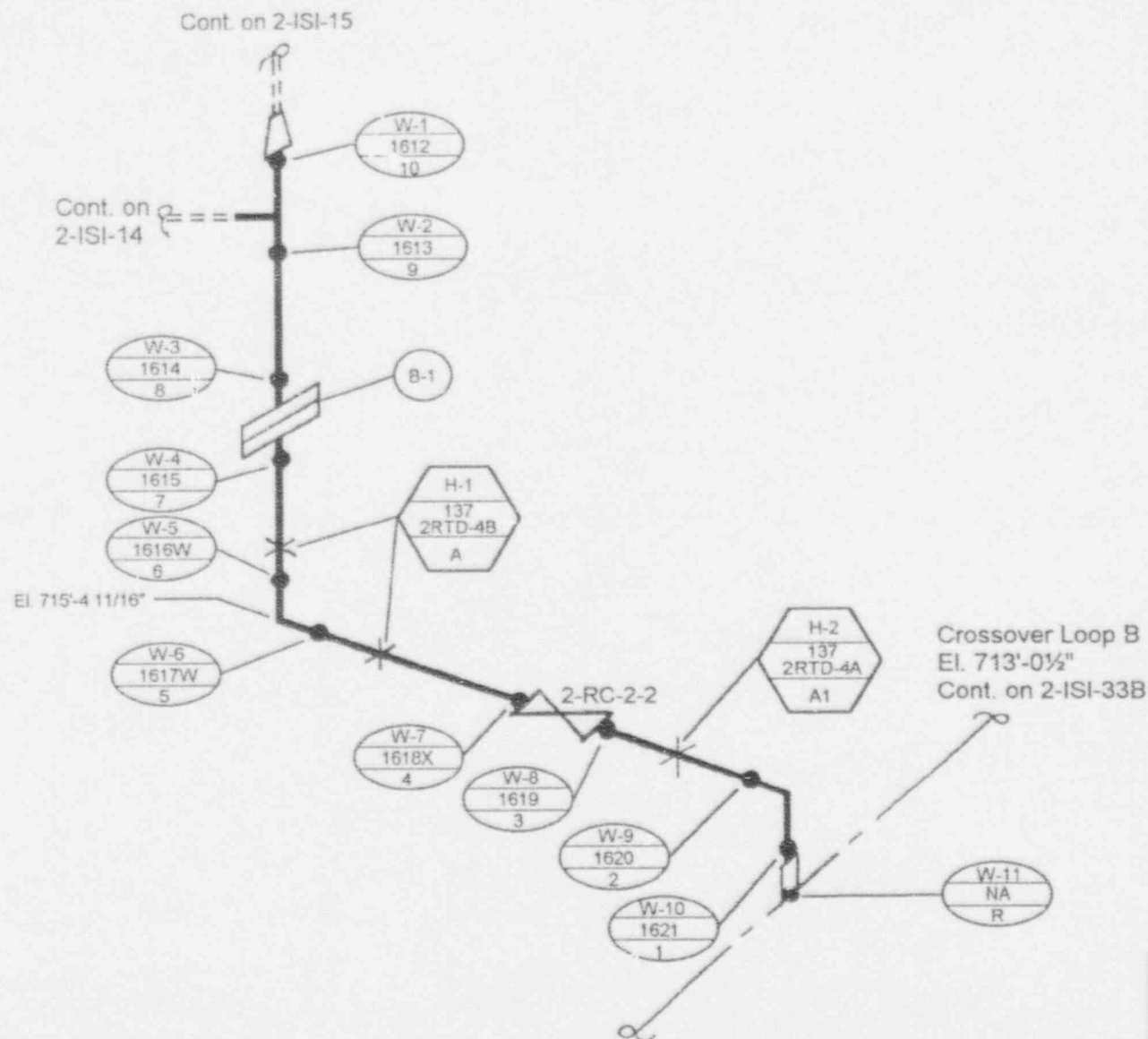
NSP - PRAIRIE ISLAND UNIT 2 ISI

DWN: AGS CHKD: MW APPD: CAK

SYSTEM: Crossover Drain and Letdown

LINE NO: 2-2RC-10B, 2-2RC-11B, 2-2RC-12

DWG NO: 2-ISI-16 REV: 3



ISI
NAVCO
WEST = HANGER No.

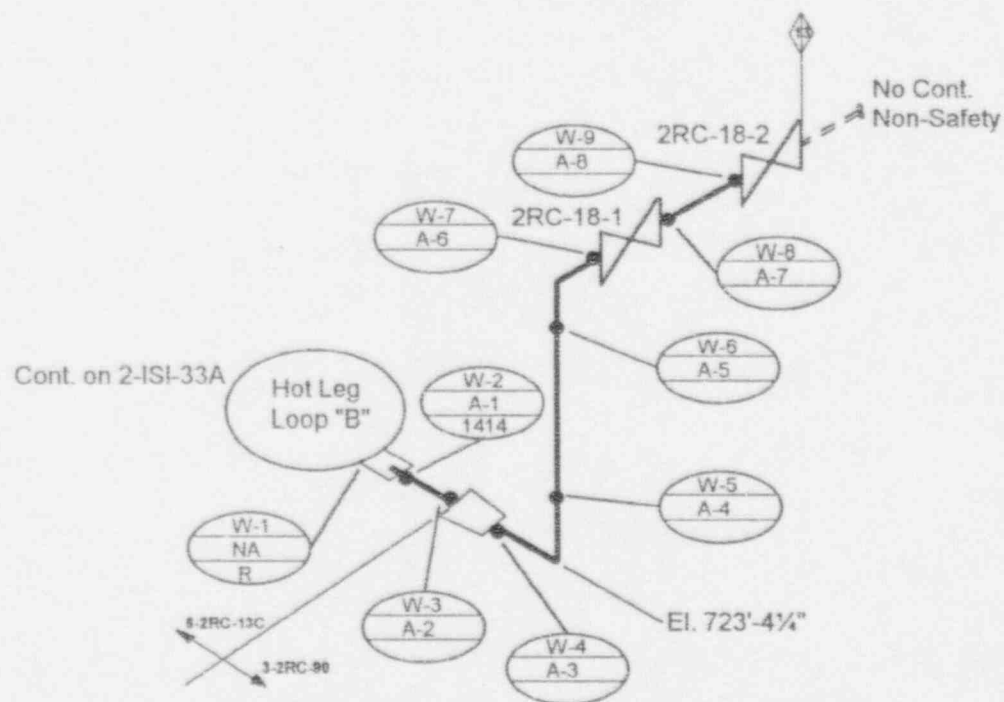
ISI
NAVCO
WEST = WELD No.

ISI = Bolt No.

REF. DWG: XH-1106-2605

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: AGS	CHKD: <i>mv</i> APPD: <i>CH</i>
SYSTEM: <u>RTD Return</u>	
LINE NO: <u>3-2RC-6B</u>	
DWG NO: <u>2-ISI-17</u>	REV: <u>3</u>

RTD Return Loop B

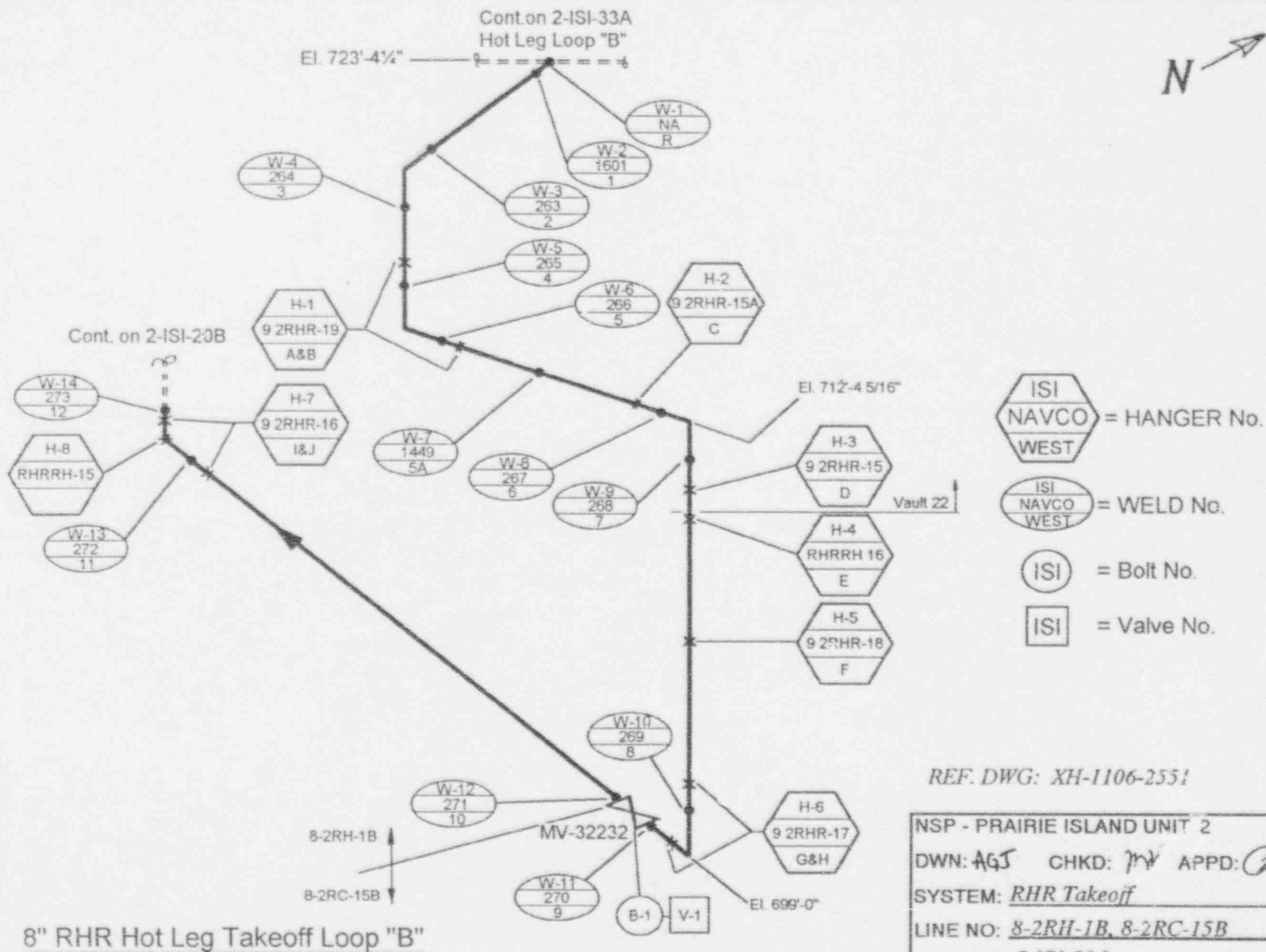


ISI
NAVCO
WEST = WELD No.

REF DWG: XH-1106-2601
NQ-159016

RCS To Draindown Tank

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: AGS	CHKD: MY APPD: CHK
SYSTEM: RCS Draindown	
LINE NO: 6-2RC-13C, 3-2RC-90	
DWG NO: 2-ISI-19	REV: 4



REF. DWG: XH-1106-2551

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: AGS	CHKD: <i>my</i> APPD: <i>CHK</i>
SYSTEM: <u>RHR Takeoff</u>	
LINE NO: <u>8-2RH-1B, 8-2RC-15B</u>	
DWG NO: <u>2-ISI-20A</u>	REV: <u>4</u>

Cont. on 2-ISI-20C



El. 707'-5 5/16"

W-5
278
17

W-4
277
15

W-3
276
15

H-4
9 2RHR-13
M

H-5
9 2RHR-12
N&O

W-7
280
19

W-9
282
21

W-8
281
20

W-6
279
18

H-3
9 2RHR-14A
L

H-2
RHRRH-13
K1

H-1
9 2RHR-14B
K

W-2
275
14

El. 705'-2 13/16"

W-1
274
13

ISI
NAVCO
WEST

= HANGER No.

ISI
NAVCO
WEST

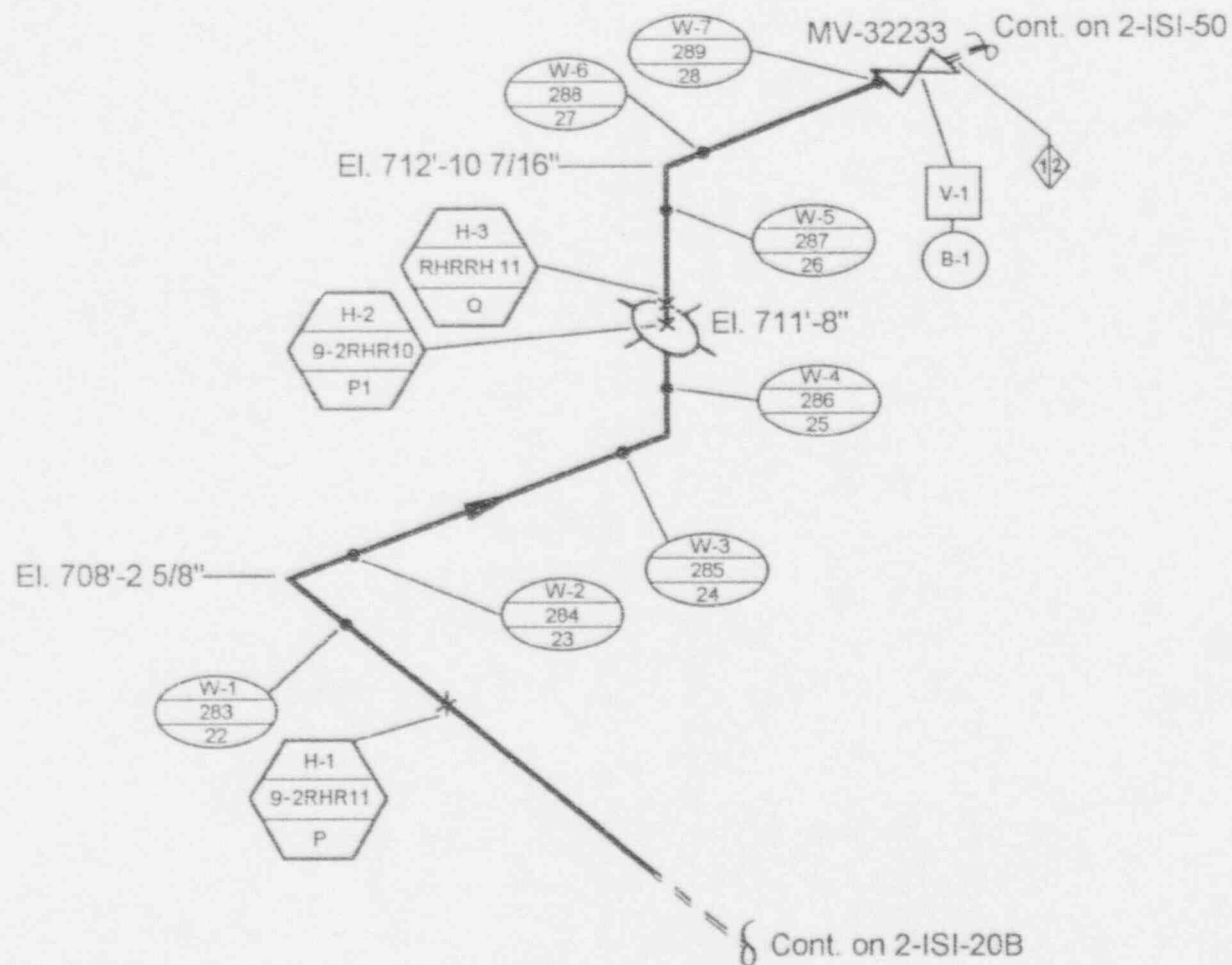
= WELD No.





REF. DWG: XH-1106-2551

8" RHR Hot Leg Takeoff Loop "B"

Cont. on 2-ISI-20A

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: 163	CHKD: 7/11 ✓ APPD: CHL
SYSTEM: <u>RHR Takeoff</u>	
LINE NO: <u>8-2RH-1B</u>	
DWG NO: <u>2-ISI-20B</u>	REV: <u>3</u>

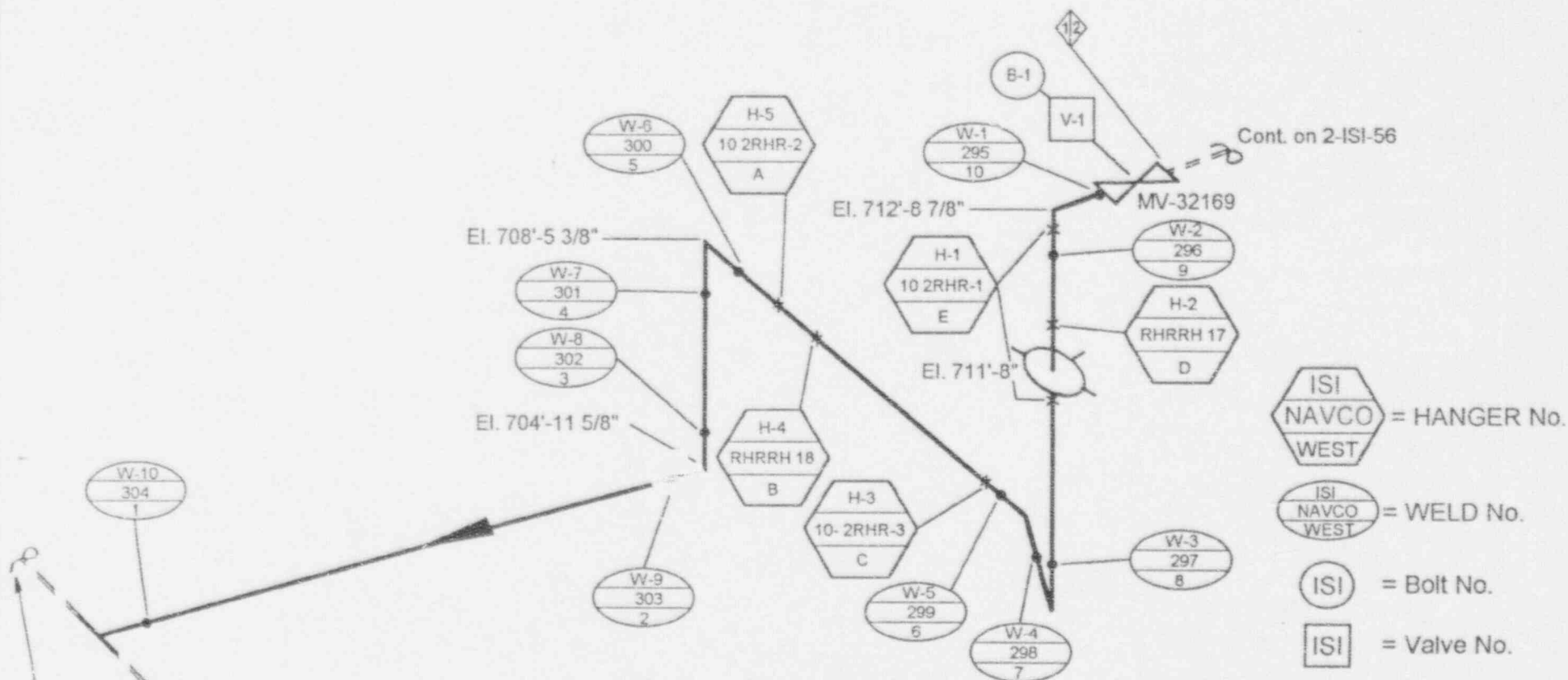
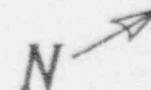


-  = HANGER No.
-  = WELD No.
-  = Bolt No.
-  = Valve No.

REF. DWG: XH-1106-2551

8" RHR Hot Leg Takeoff Loop "B"

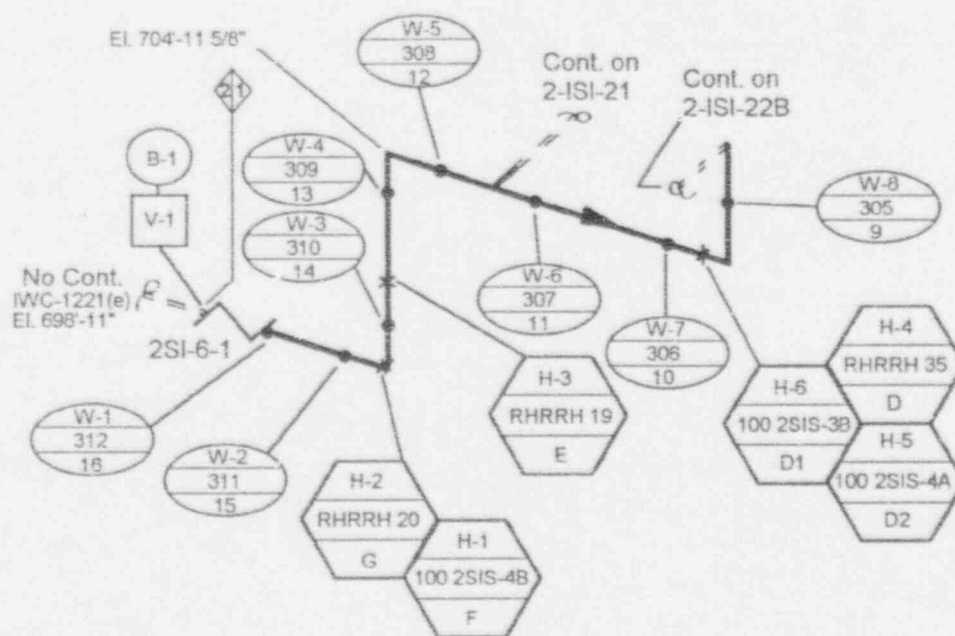
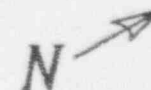
NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>AS</i>	CHKD: <i>mv</i> APPD: <i>AK</i>
SYSTEM: <i>RHR Takeoff</i>	
LINE NO: <i>8-2RH-1B</i>	
DWG NO: <i>2-ISI-20C</i>	REV: <i>4</i>



REF. DWG: XH-1106-2552

10" RHR Return Loop "B"

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: AGT	CHKD: <i>WV</i>
SYSTEM: <u>RHR Return</u>	APPD: <i>CHL</i>
LINE NO: <u>10-2SI-26</u>	
DWG NO: <u>2-ISI-21</u>	REV: <u>4</u>

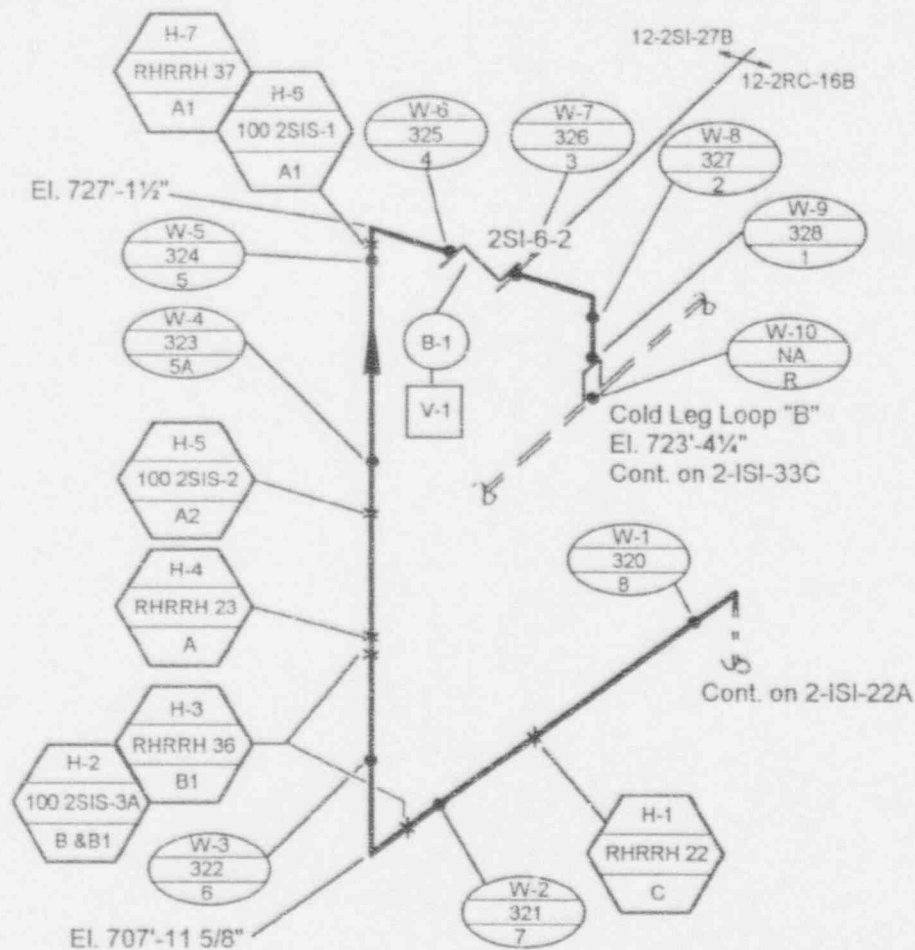


- ISI NAVCO WEST = HANGER No.
 ISI NAVCO WEST = WELD No.
 ISI = Bolt No.
 ISI = Valve No.

Accumulator Discharge Loop "B"

REF. DWG: XH-1106-2552

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: AGS	CHKD: MV
SYSTEM: Accumulator Discharge	APPD: CH
LINE NO: 12-2SI-27B	
DWG NO: 2-ISI-22A	REV: 0



ISI
NAVCO
WEST = HANGER No.

ISI
NAVCO
WEST = WELD No.

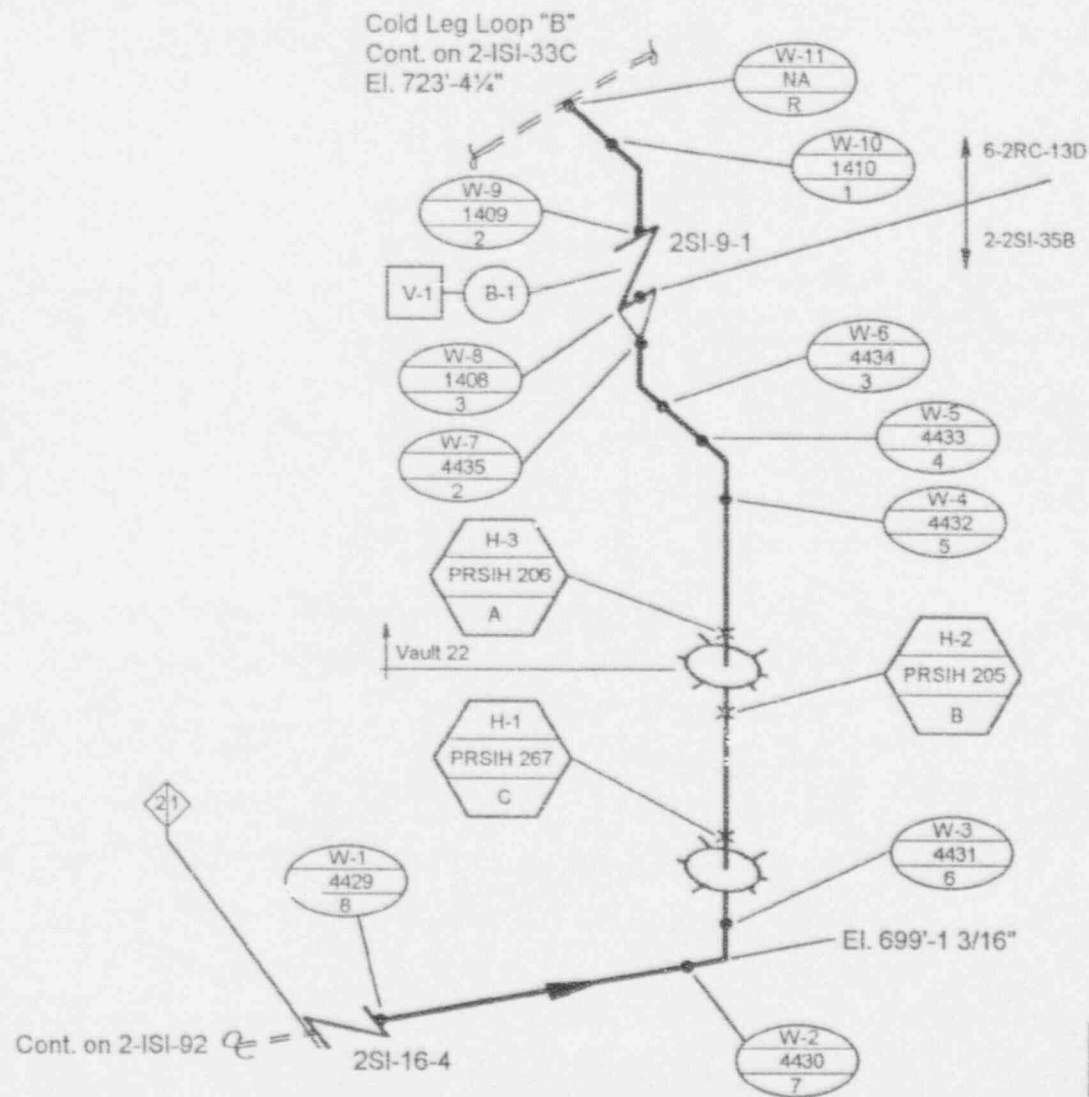
ISI = Bolt No.

ISI = Valve No.

Accumulator Discharge Loop "B"

REF. DWG: XH-1106-2552

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>AMS</i>	CHKD: <i>MV</i> APPD: <i>CH</i>
SYSTEM: <i>Accumulator Discharge</i>	
LINE NO: <i>12-2RC-16B, 12-2SI-27B</i>	
DWG NO: 2-ISI-22B	REV: <i>0</i>



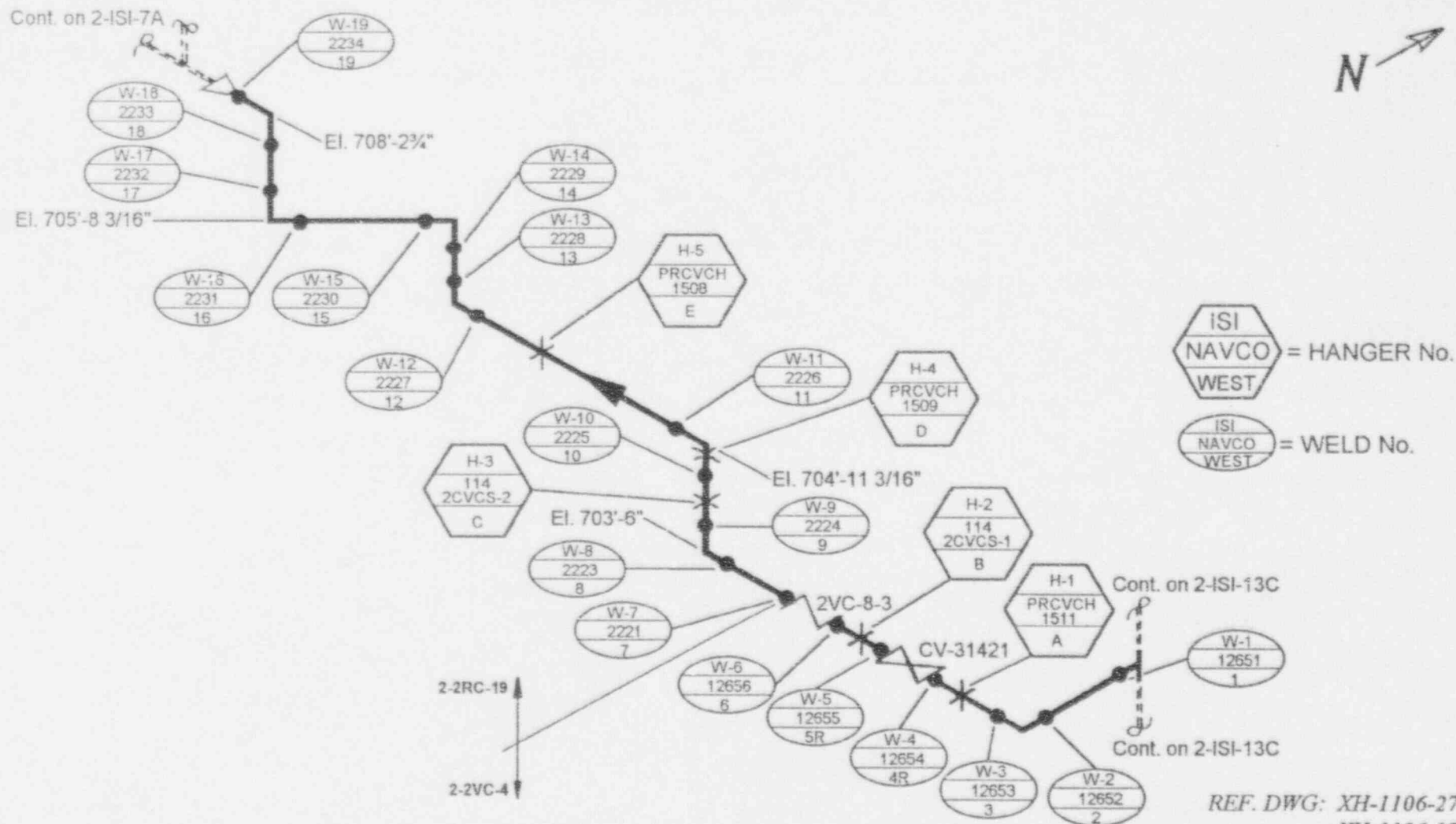
- ISI
NAVCO
WEST = HANGER No.
- ISI
NAVCO
WEST = WELD No.
- ISI = Bolt No.
- ISI = Valve No.

REF. DWG: XH-1106-2708
XH-1106-2601

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>AS</i>	CHKD: <i>m</i> APPD: <i>CH</i>
SYSTEM: <u>Safety Injection High Head</u>	
LINE NO: <u>2-2SI-35B, 6-2RC-13D</u>	
DWG NO: 2-ISI-23	REV: 3

SIS High Head Loop "B"

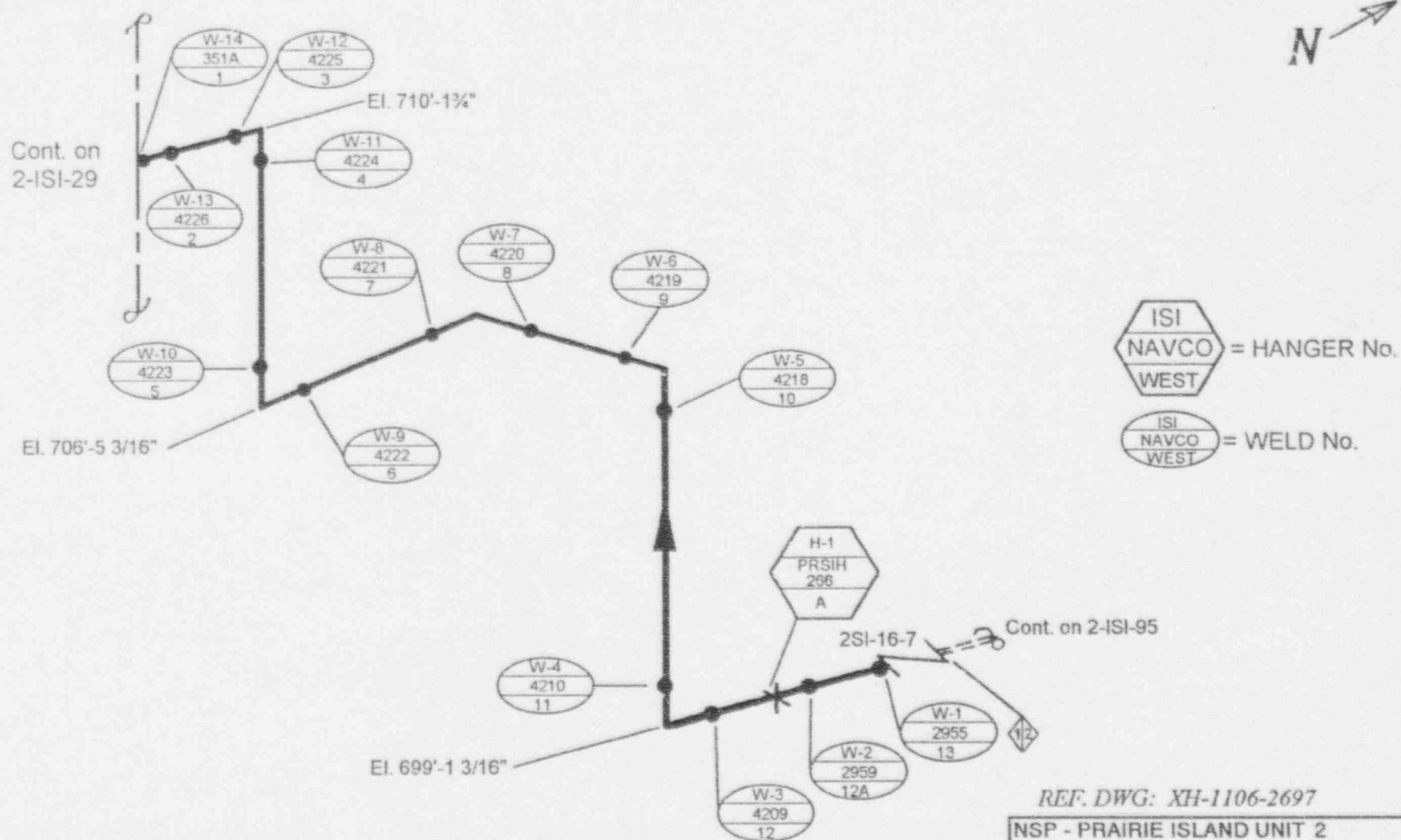
Cont. on 2-ISI-7A



REF. DWG: XH-1106-2748
XH-1106-2794

2" Auxiliary Spray

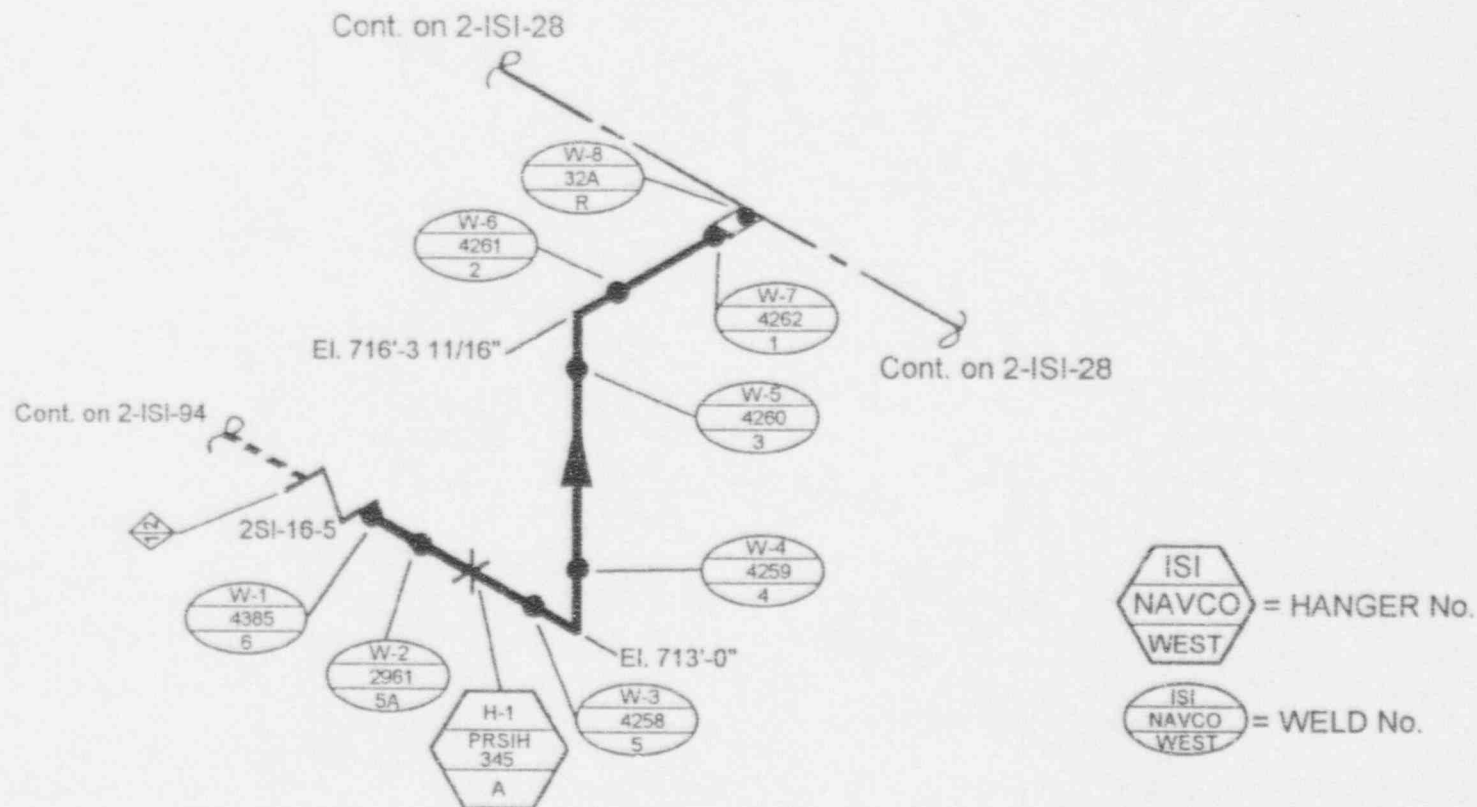
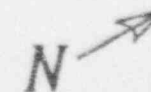
NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: AGS	CHKD: <i>Th</i> APPD: <i>OK</i>
SYSTEM: <u>Auxiliary Spray</u>	
LINE NO: <u>2-2RC-19, 2-2VC-4</u>	
DWG NO: <u>2-ISI-24</u>	REV: <u>3</u>



2" Reactor Vessel SIS Loop "A"

REF. DWG: XH-1106-2697

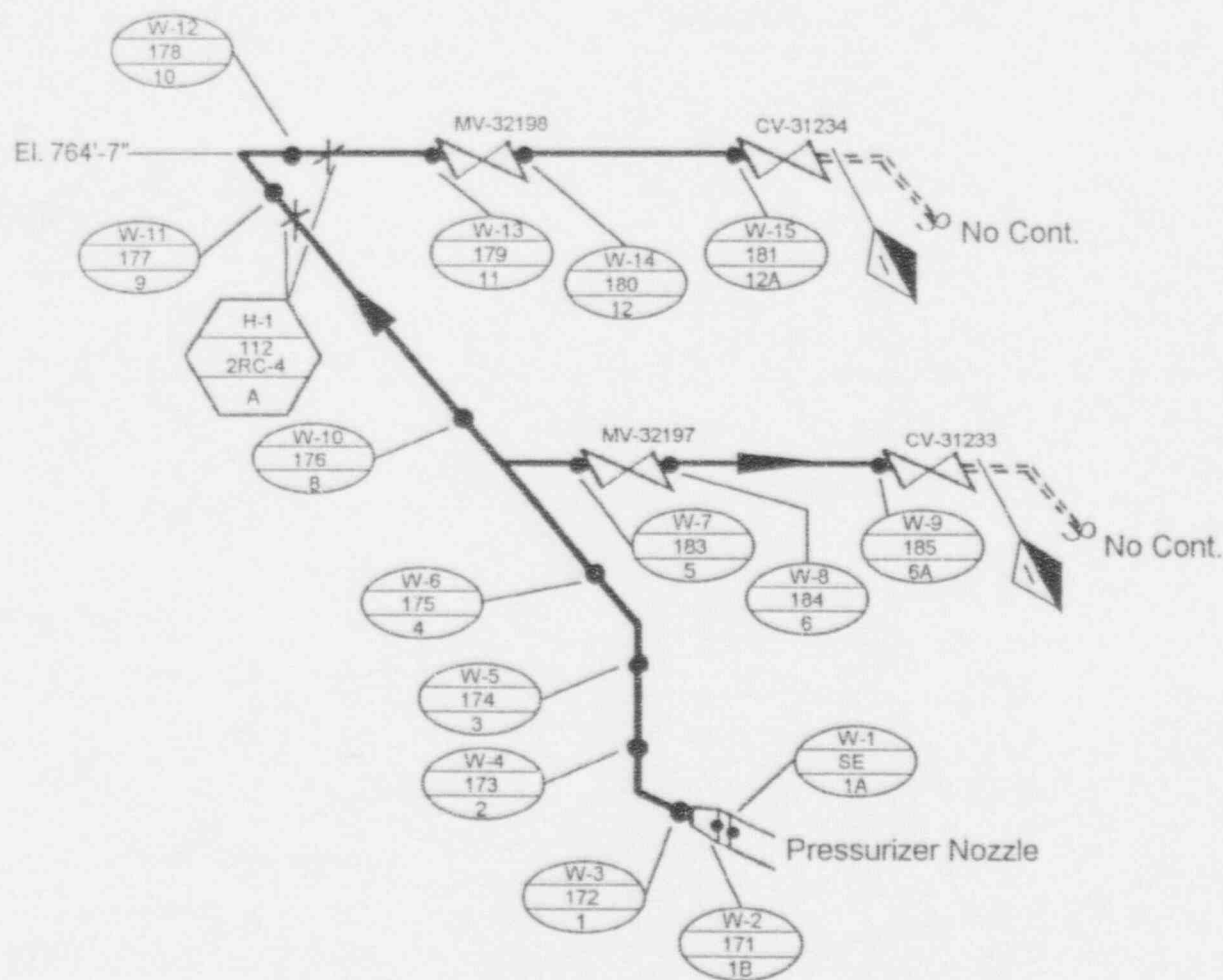
NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>AGS</i>	CHKD: <i>m</i> ✓ APPD: <i>CAK</i>
SYSTEM: <u>Reactor Vessel Safety Injection</u>	
LINE NO: <u>2-2SI-24A</u>	
DWG NO: <u>2-ISI-25</u>	REV: <u>3</u>



2" Reactor Vessel SIS Loop "B"

REF. DWG: XH-1106-2700

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>AS</i>	CHKD: <i>NA</i> APPD: <i>CH</i>
SYSTEM: <i>Reactor Vessel Safety Injection</i>	
LINE NO: <i>2-2SI-24B</i>	
DWG NO: <i>2-ISI-26</i>	REV: <i>4</i>



Pressurizer Relief



REF: DWG: XH-1106-2547

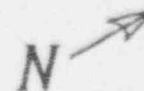
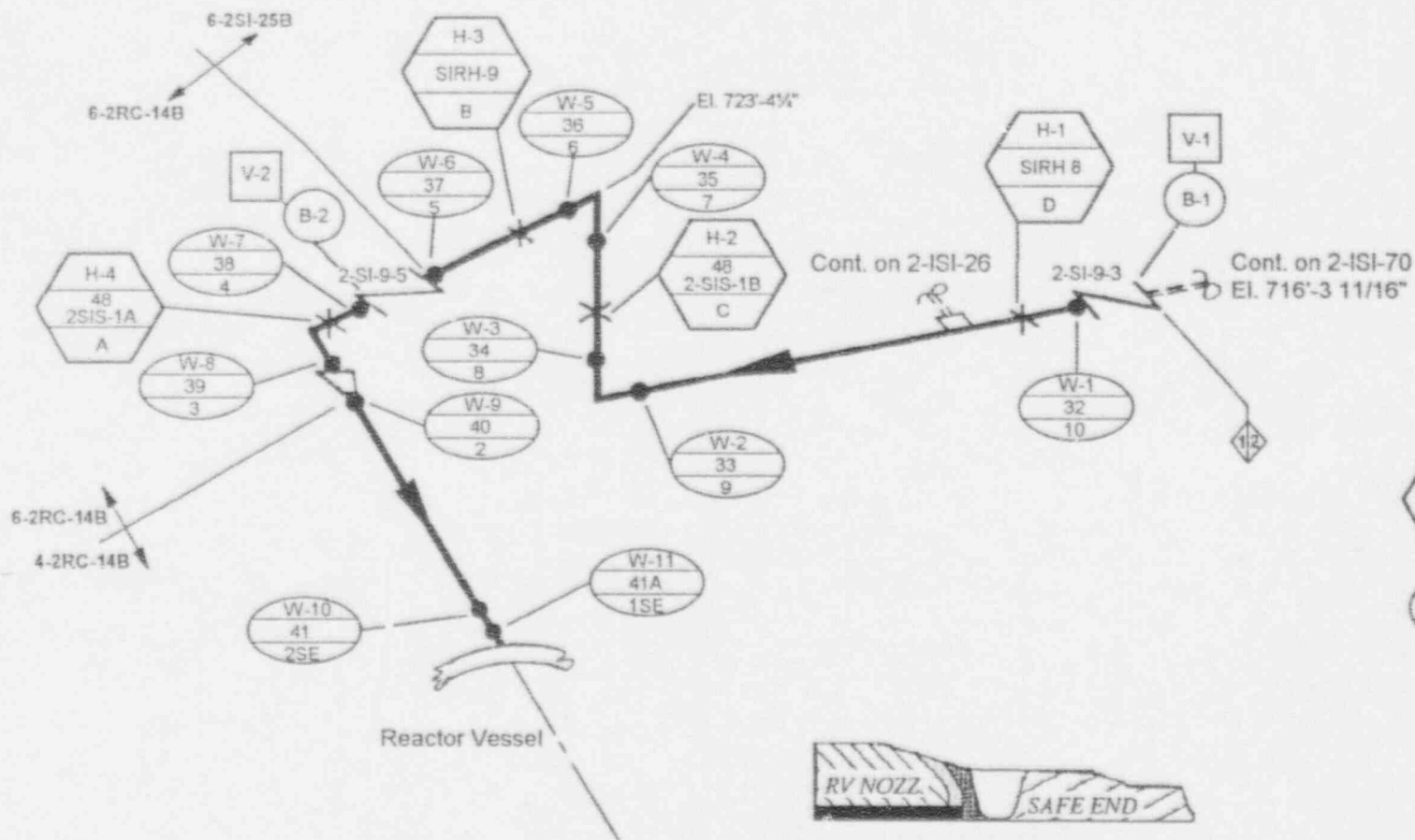
NSP - PRAIRIE ISLAND UNIT 2 ISI

DWN: *AGT* CHKD: *7m* APPD: *CHK*

SYSTEM: Pressurizer Relief

LINE NO: 3-2RC-21

DWG NO: 2-ISI-27 REV: 3



- ISI NAVCO WEST = HANGER No.
 ISI NAVCO WEST = WELD No.
 ISI = Bolt No.
 ISI = Valve No.



Reactor Vessel Weld Detail

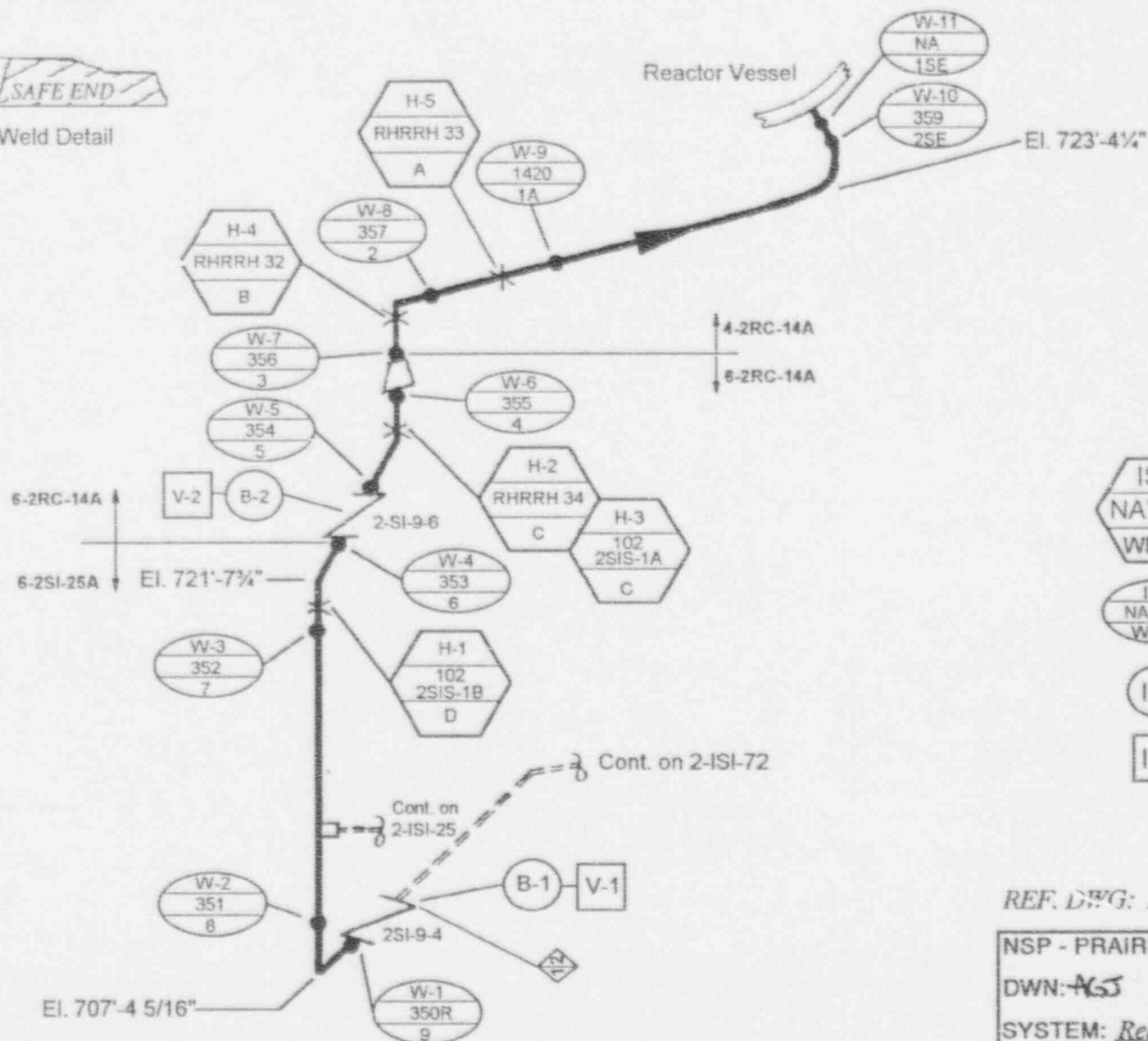
4" & 6" Reactor Vessel SIS Loop "B"

REF. DWG: XH-1106-2517

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>AGS</i>	CHKD: <i>m</i> APPD: <i>CAK</i>
SYSTEM: <i>Reactor Vessel Safety Injection</i>	
LINE NO: <i>4-2RC-14B, 6-2RC-14B, 6-2SI-25B</i>	
DWG NO: <i>2-ISI-28</i>	REV: <i>4</i>



Reactor Vessel Weld Detail



ISI NAVCO WEST = HANGER No.

ISI NAVCO WEST = WELD No.

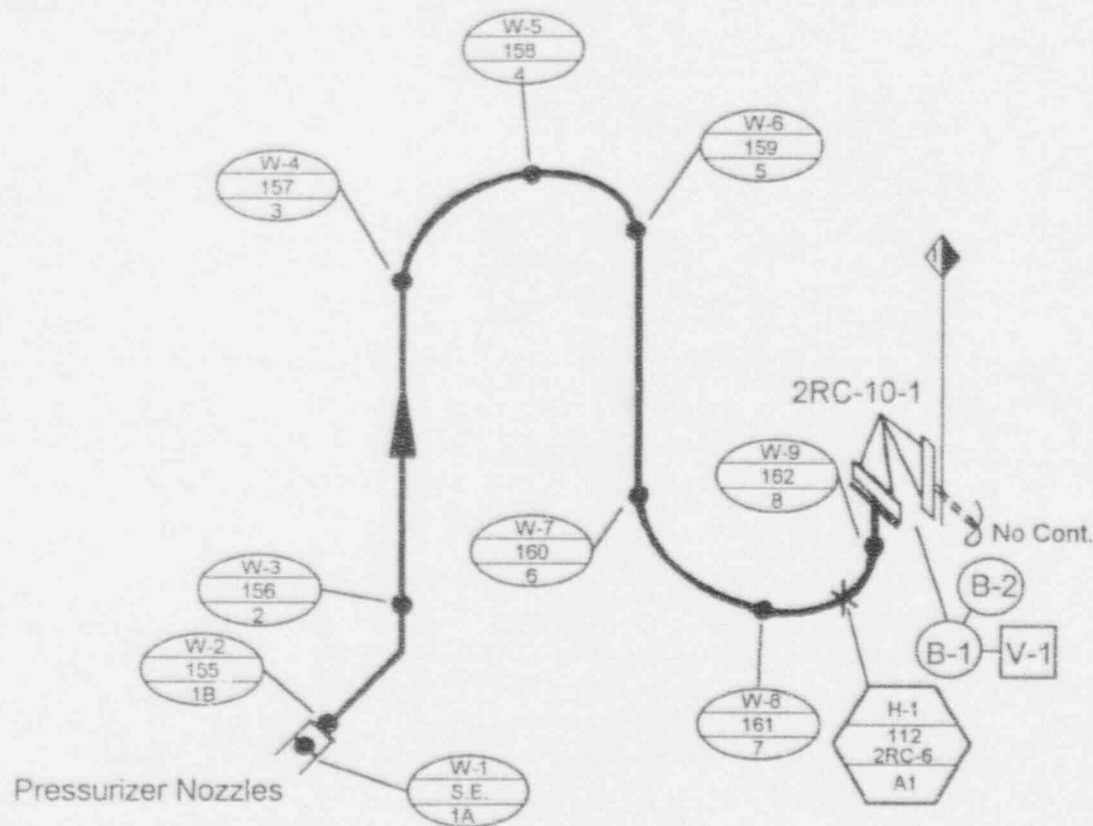
ISI = Bolt No.

ISI = Valve No.

REF. DWG: XH-1106-2553

NSP - PRAIRIE ISLAND UNIT 2
DWN: *AGS* CHKD: *7h* APPD: *OK*
SYSTEM: Reactor Vessel Safety Injection
LINE NO: 4-2RC-14A, 6-2RC-14A, 6-2SI-25A
DWG NO: 2-ISI-29 REV: 4

4" & 6" Reactor Vessel SIS Loop "A"



ISI
NAVCO
WEST = HANGER No.

ISI
NAVCO
WEST = WELD No.

ISI = Bolt No.

ISI = Valve No.

Pressurizer Safety Loop "A"

REF. DWG: XH-1106-2547

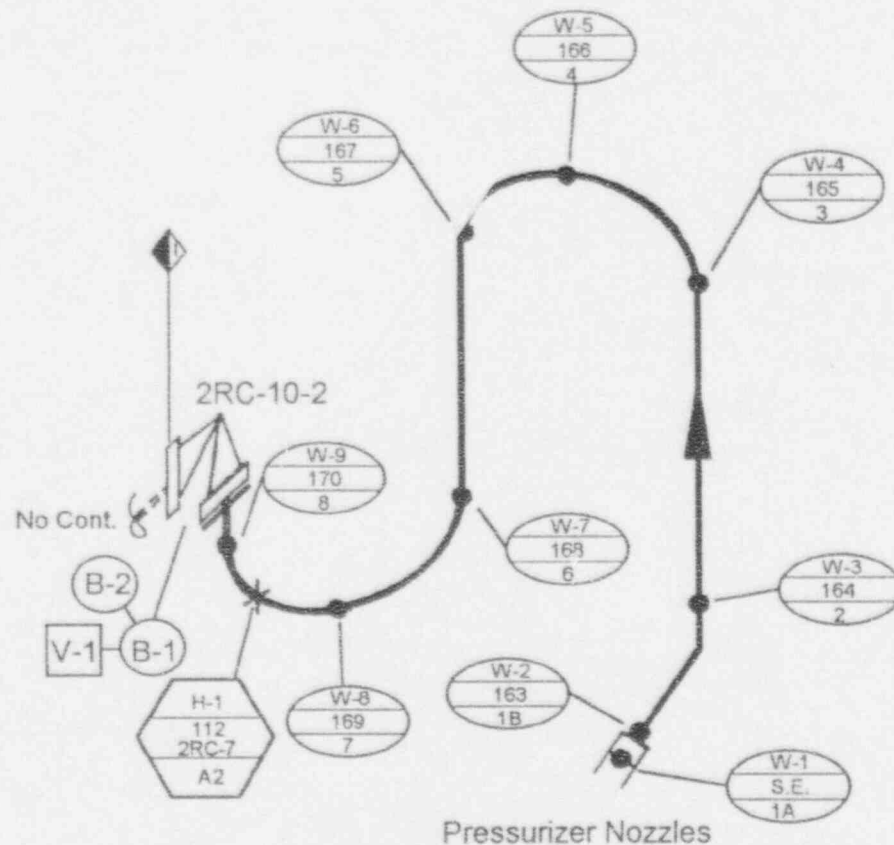
NSP - PRAIRIE ISLAND UNIT 2 ISI

DWN: AGS CHKD: *TH* APPD: *CH*

SYSTEM: Pressurizer Safety

LINE NO: 6-2RC-20A

DWG NO: 2-ISI-30A REV: 0



ISI
NAVCO = HANGER No.
WEST

ISI
NAVCO = WELD No.
WEST

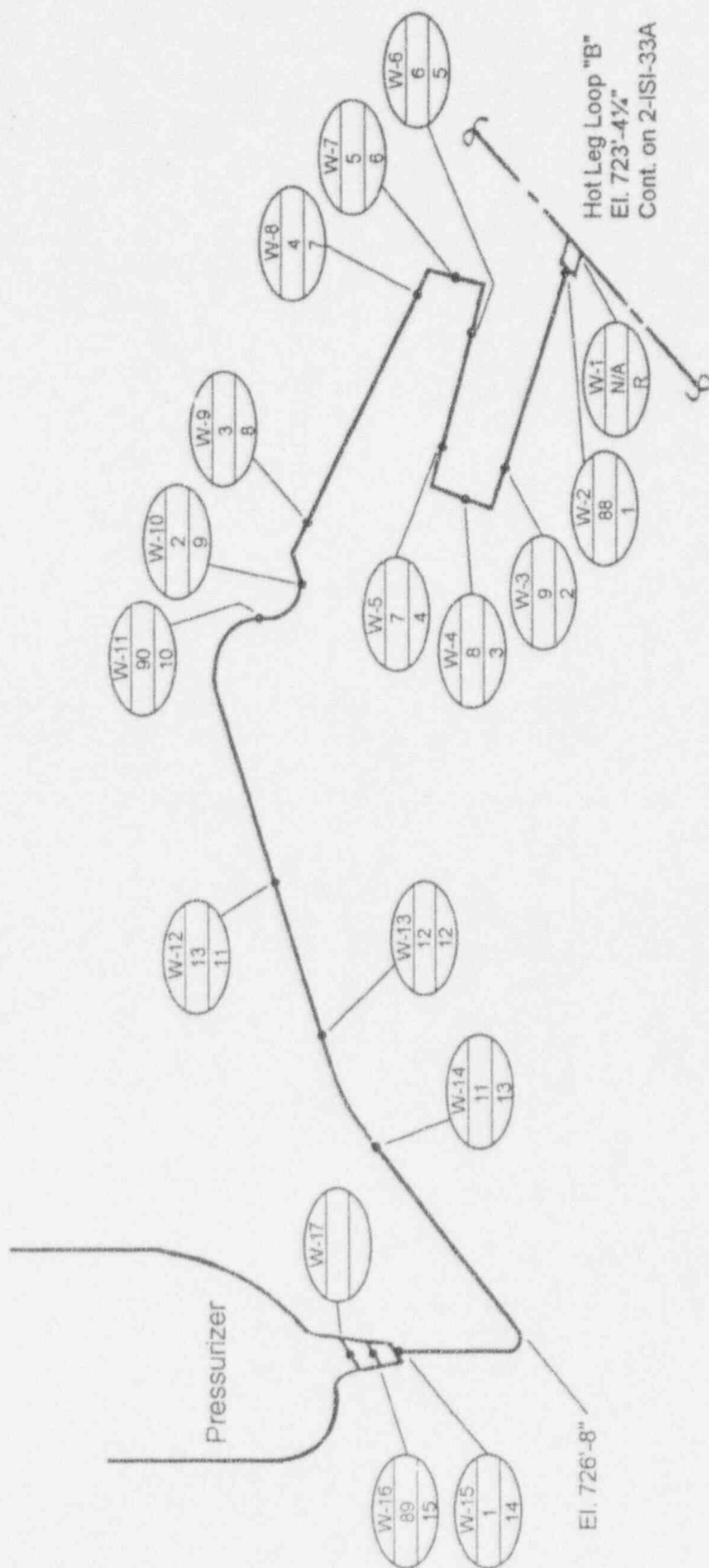
ISI = Bolt No.

ISI = Valve No.

Pressurizer Safety Loop "B"

REF. DWG: XH-1106-2547

NSP - PRAIRIE ISLAND UNIT 2	ISI
DESIGNED BY: <i>NGJ</i> CHKD: <i>TV</i> APPD: <i>CHK</i>	
SYSTEM: <i>Pressurizer Safety</i>	
LINE NO: <i>6-2RC-20B</i>	
DWG NO: <i>2-ISI-30B</i>	REV: <i>0</i>



ISI
NAVCO
WEST

= WELD No.

REF. DWG: XH-1106-7028

NSP - PRAIRIE ISLAND UNIT 2 ISI

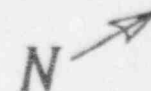
DWN: ~~AS~~ CHKD: ~~TV~~ APPD: ~~CH~~

SYSTEM: Pressurizer Surge

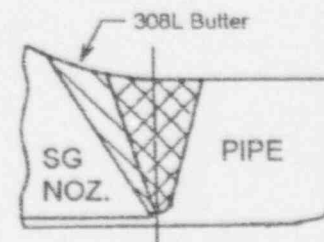
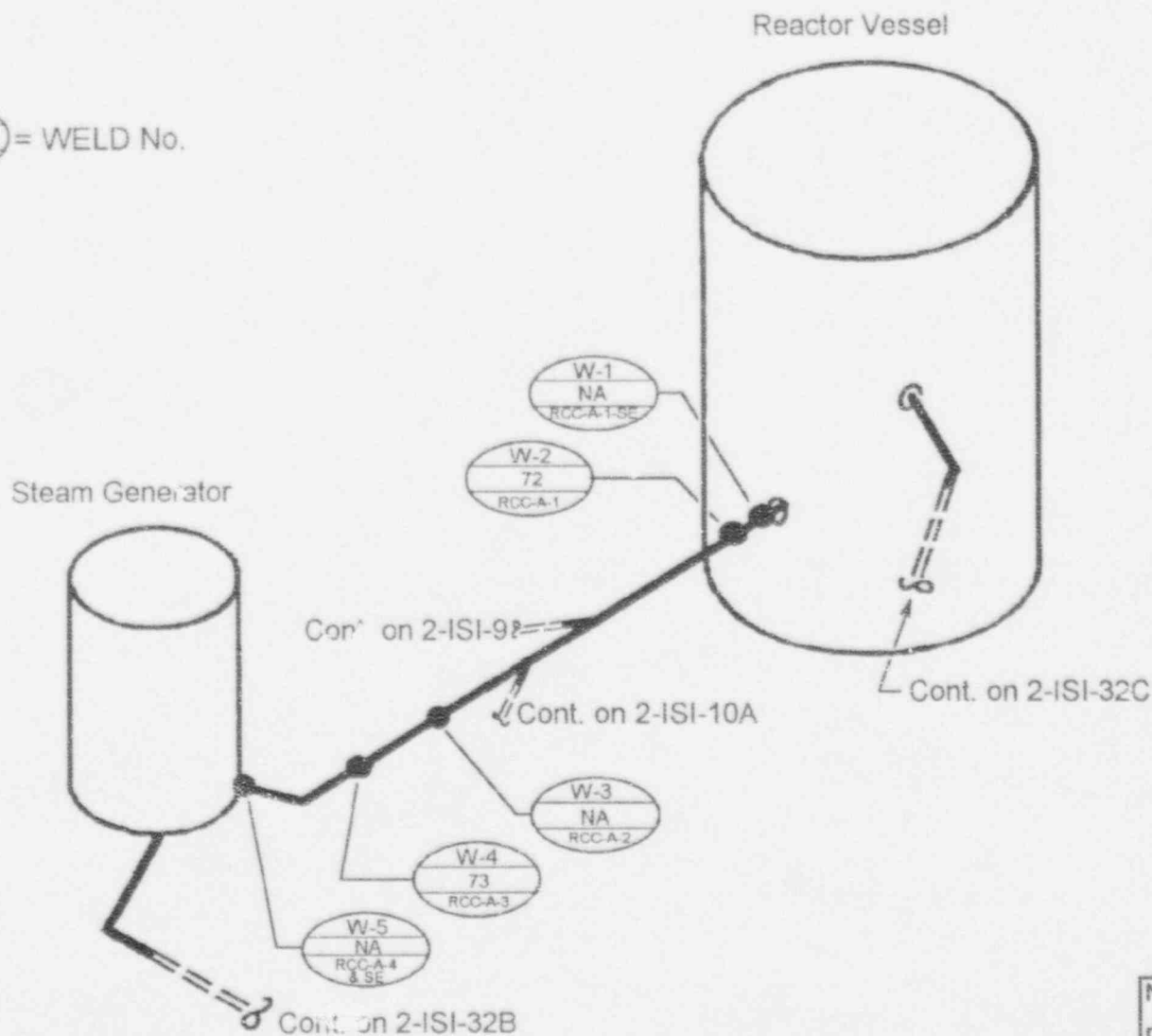
LINE NO: 10-2RC-4

DWG NO: 2-ISI-31 REV: 3

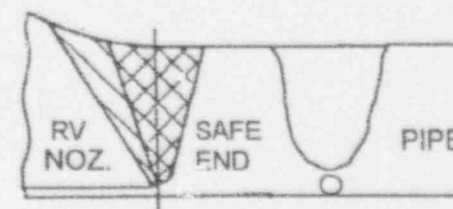
Pressurizer Surge



ISI
NAVCO
WEST = WELD No.



Weld 5 Detail

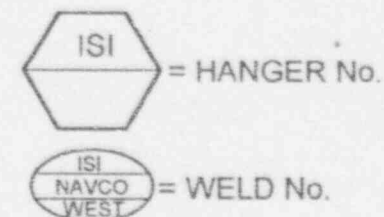
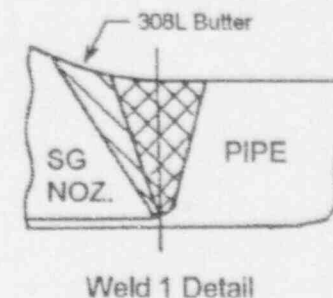
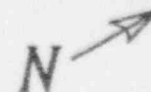


Weld 1 Detail

Ref. Dwgs: 1001-1180
1001-338
XH-1106-7027

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: AGJ	CHKD: JNV APPD: CHK
SYSTEM: <u>Reactor Coolant</u>	
LINE NO: <u>29-2RC-1A</u>	
DWG NO: <u>2-ISI-32A</u>	REV: <u>0</u>

Reactor Coolant Loop



Ref. Dwgs: 1001-338
XH-1106-7027

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: A65	CHKD: MV APPD: CAK
SYSTEM: Reactor Coolant	
LINE NO: 31-2RC-2A	
DWG NO: 2-ISI-32B	REV: 0

Steam Generator

Cont. on 2-ISI-32A

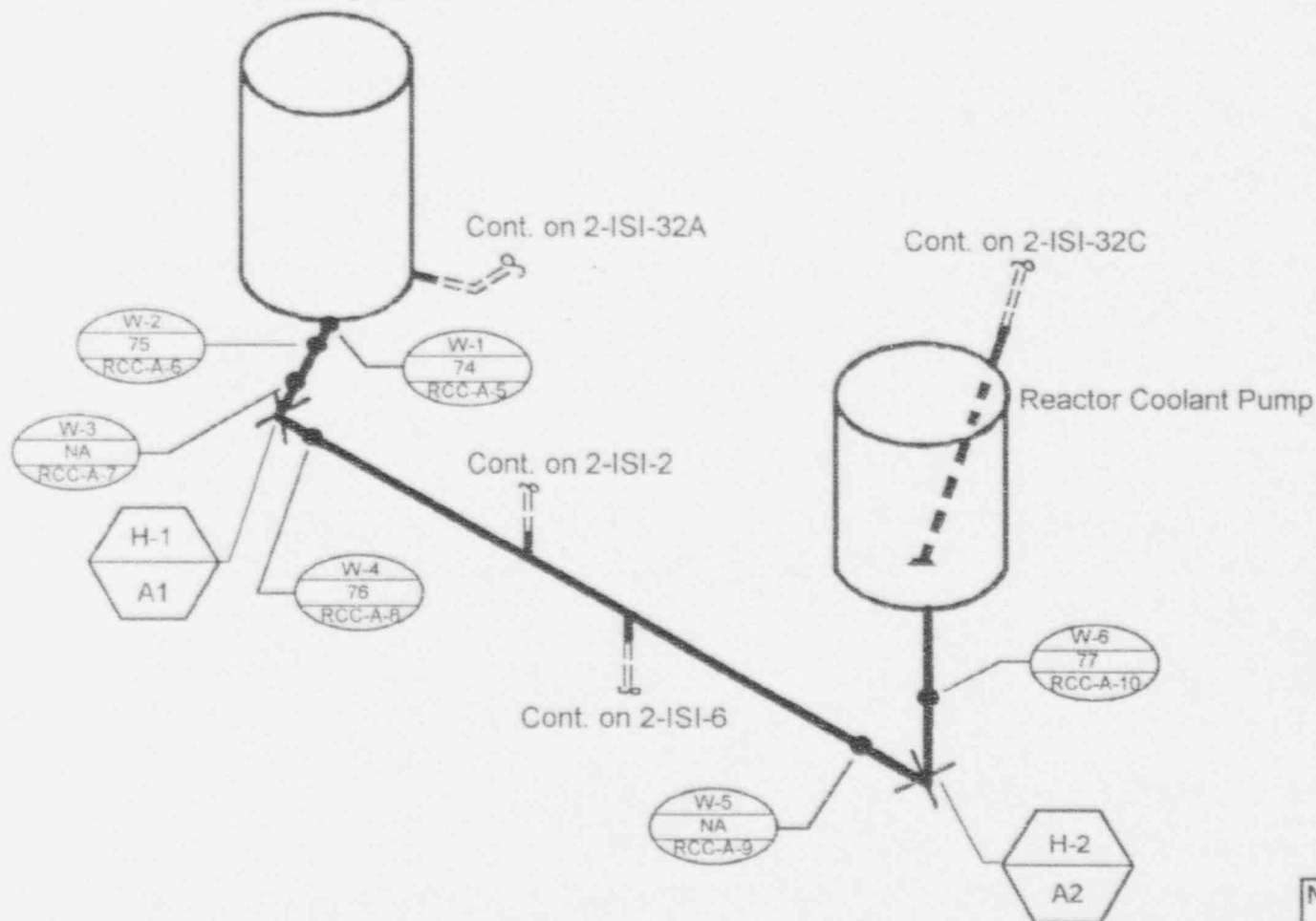
Cont. on 2-ISI-32C

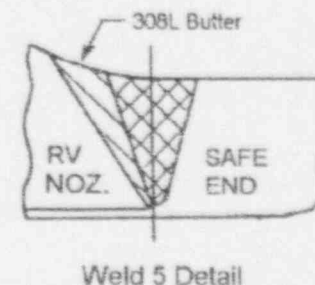
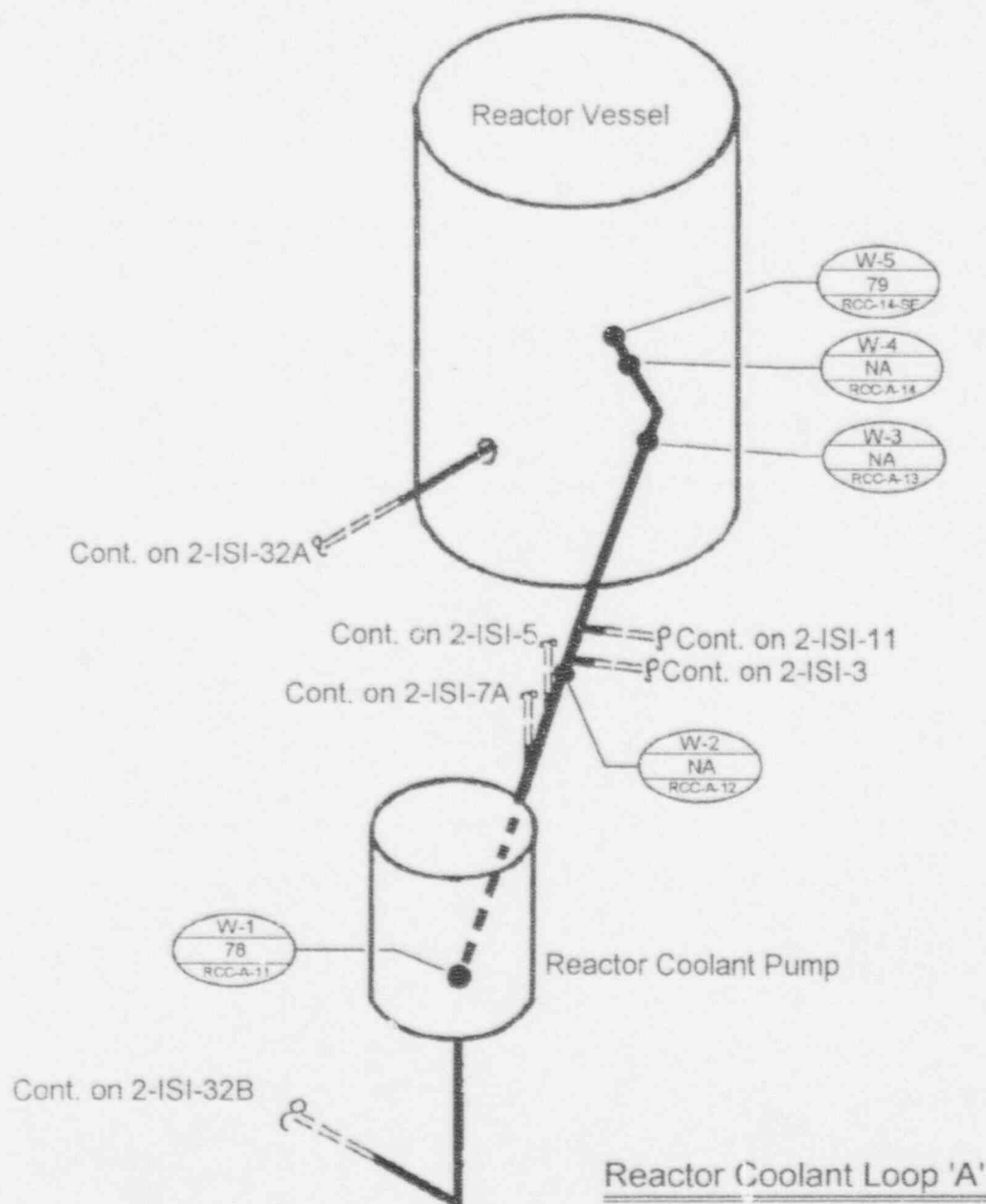
Reactor Coolant Pump

Cont. on 2-ISI-2

Cont. on 2-ISI-6

Reactor Coolant Loop 'A'

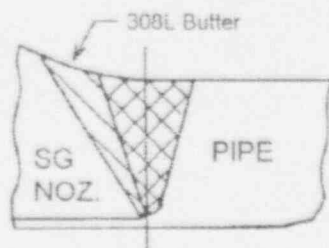




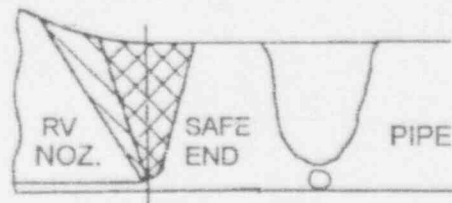
ISI
NAVCO
WEST = WELD No.

Ref. Dwgs: 1001-1181
1001-338
XH-1106-7027

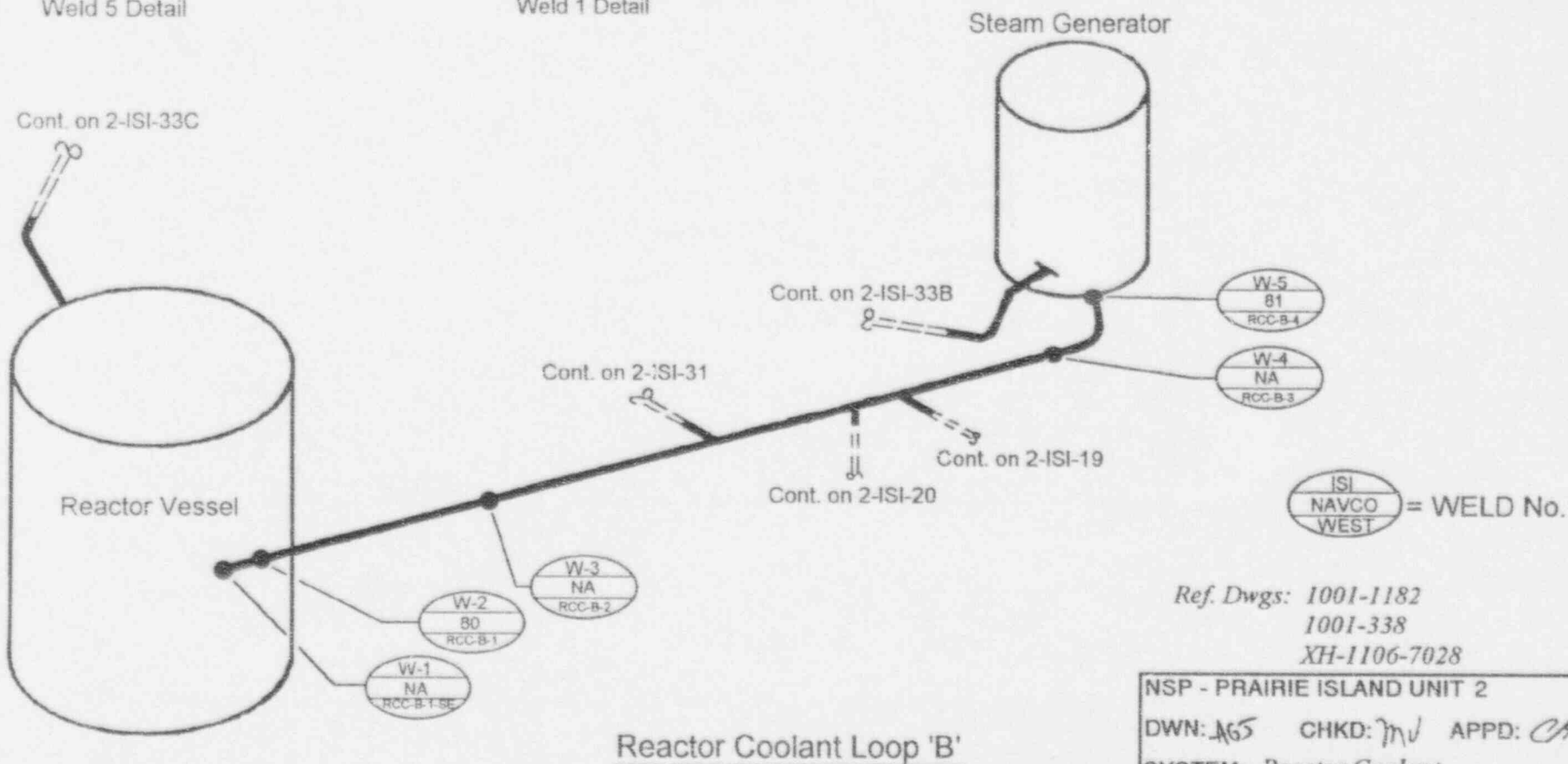
NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: AGS	CHKD: M✓ APPD: CHK
SYSTEM: Reactor Coolant	
LINE NO: 27½-2RC-3A	
DWG NO: 2-ISI-32C	REV: 0



Weld 5 Detail



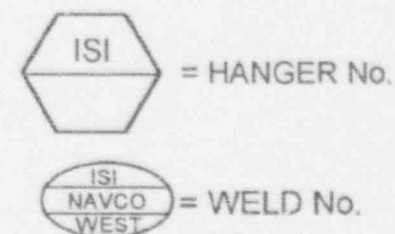
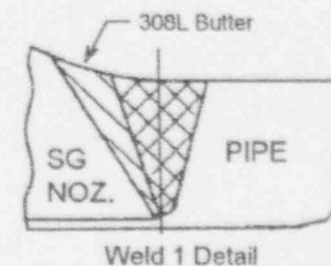
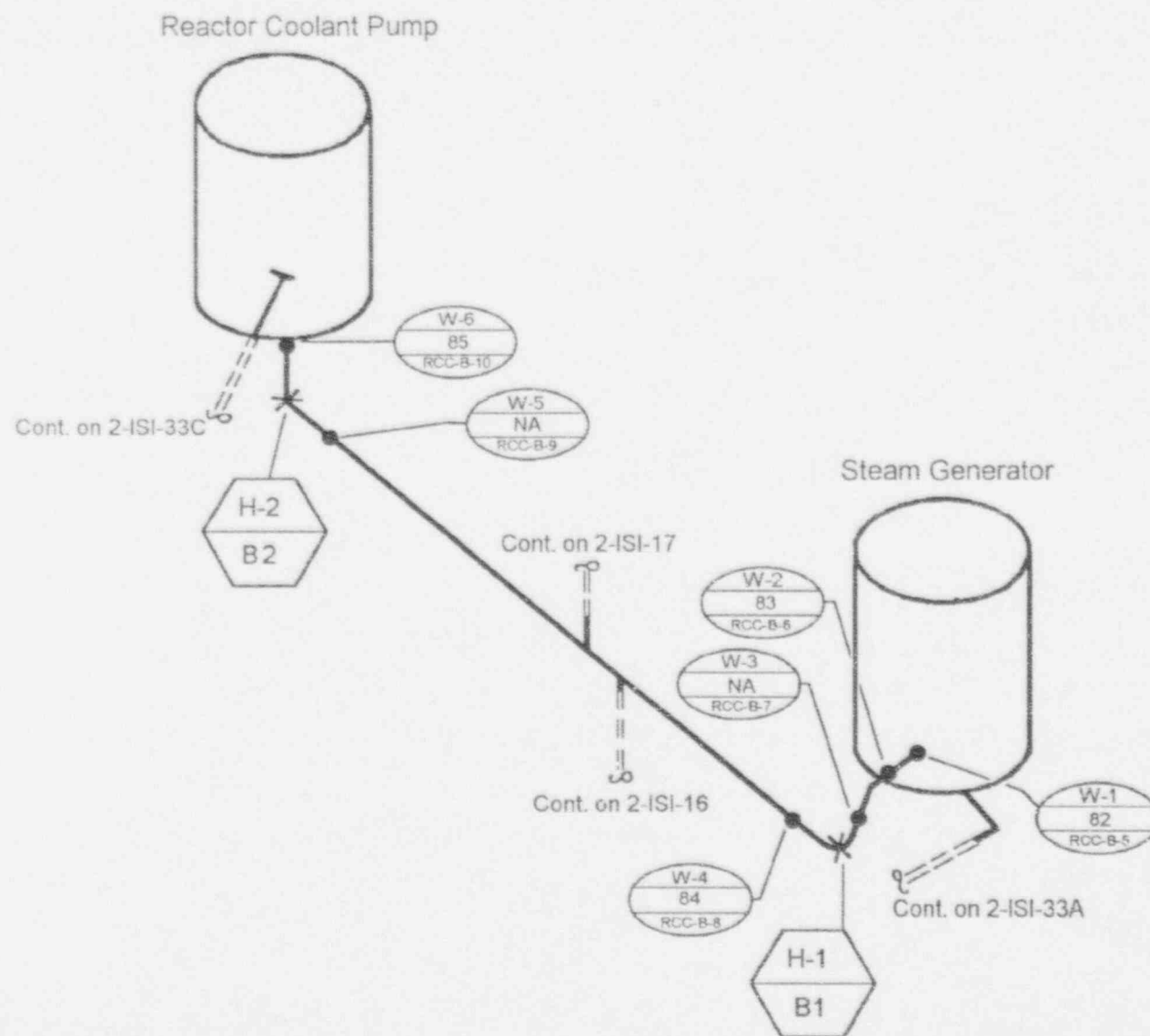
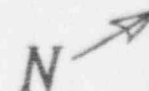
Weld 1 Detail



Reactor Coolant Loop 'B'

Ref. Dwgs: 1001-1182
1001-338
XH-1106-7028

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: AGS	CHKD: mv APPD: CH
SYSTEM: <u>Reactor Coolant</u>	
LINE NO: <u>29-2RC-1B</u>	
DWG NO: <u>2-ISI-33A</u>	REV: 0

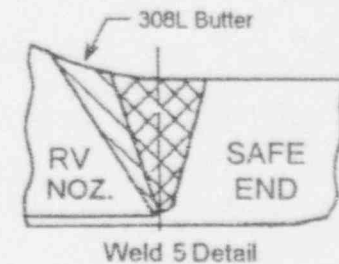
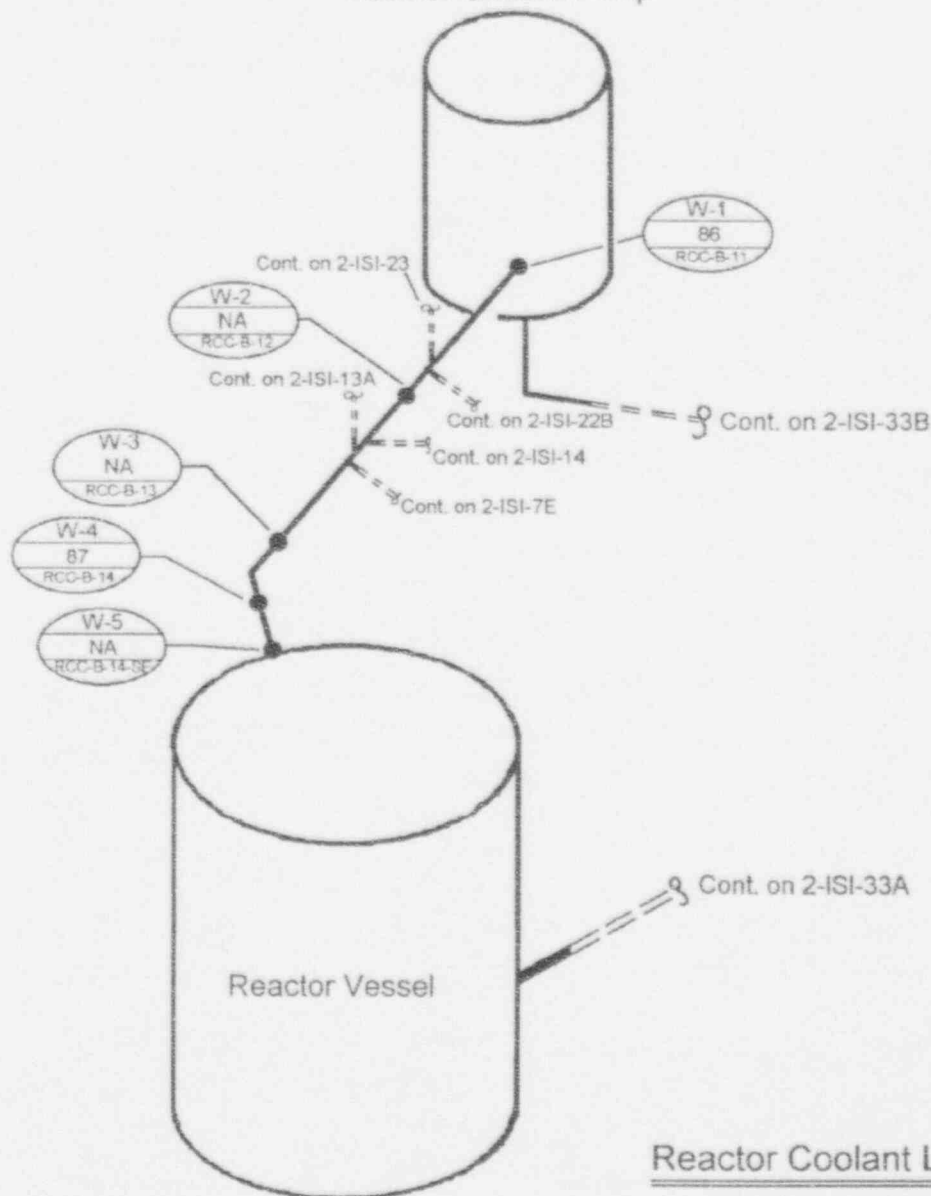


Reactor Coolant Loop 'B'

Ref. Dwgs: XH-1001-338
XH-1106-7028

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>Agg</i>	CHKD: <i>mj</i> APPD: <i>CH</i>
SYSTEM: <i>Reactor Coolant</i>	
LINE NO: <i>31-2RC-2B</i>	
DWG NO: <i>2-ISI-33B</i>	REV: <i>0</i>

Reactor Coolant Pump

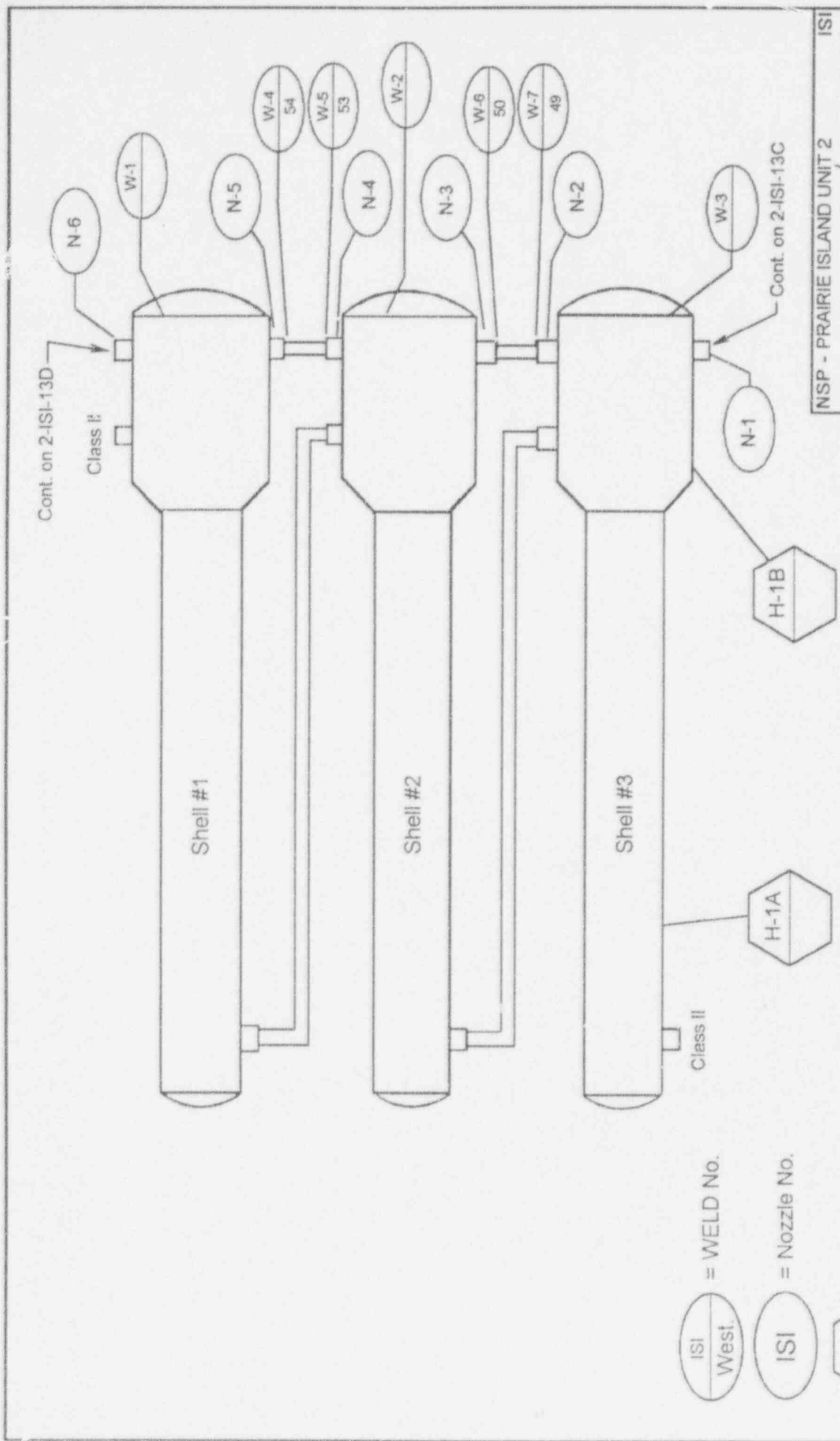


ISI
NAVCO
WEST = WELD No.

Ref. Dwgs: XH-1001-1183
XH-1001-338
XH-1106-7028

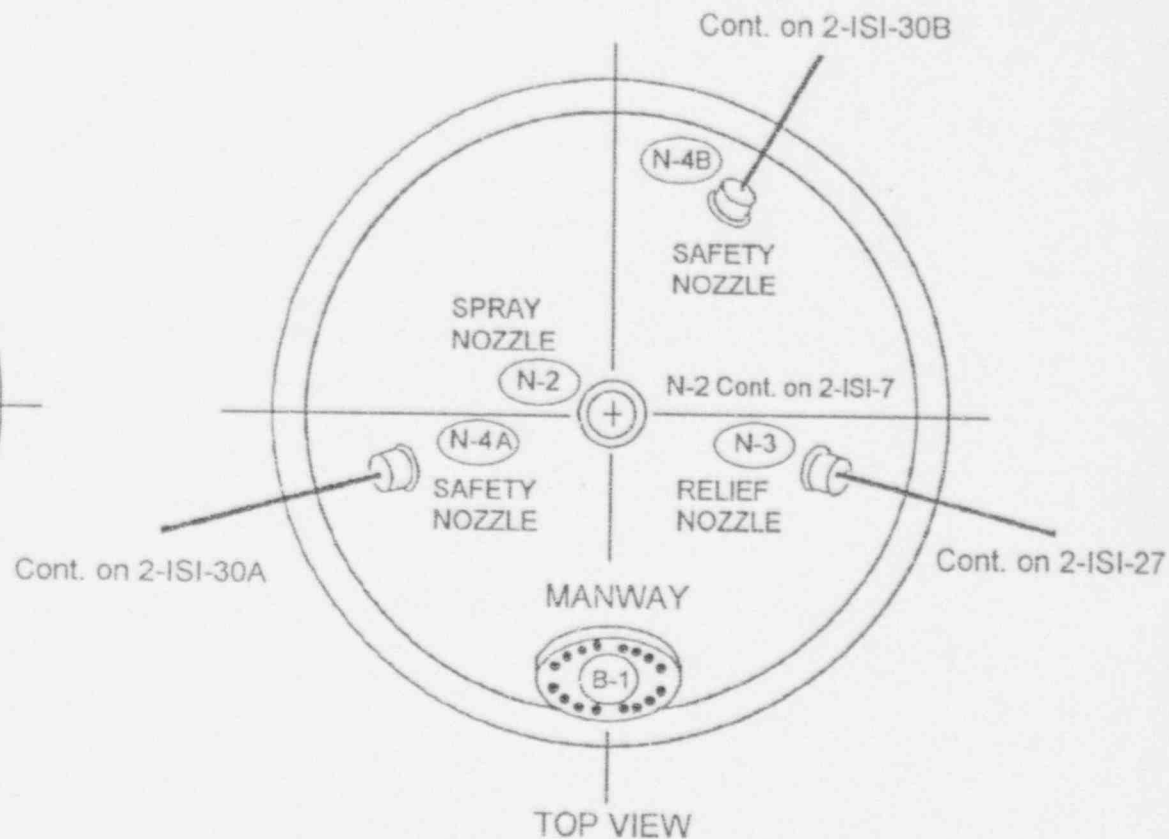
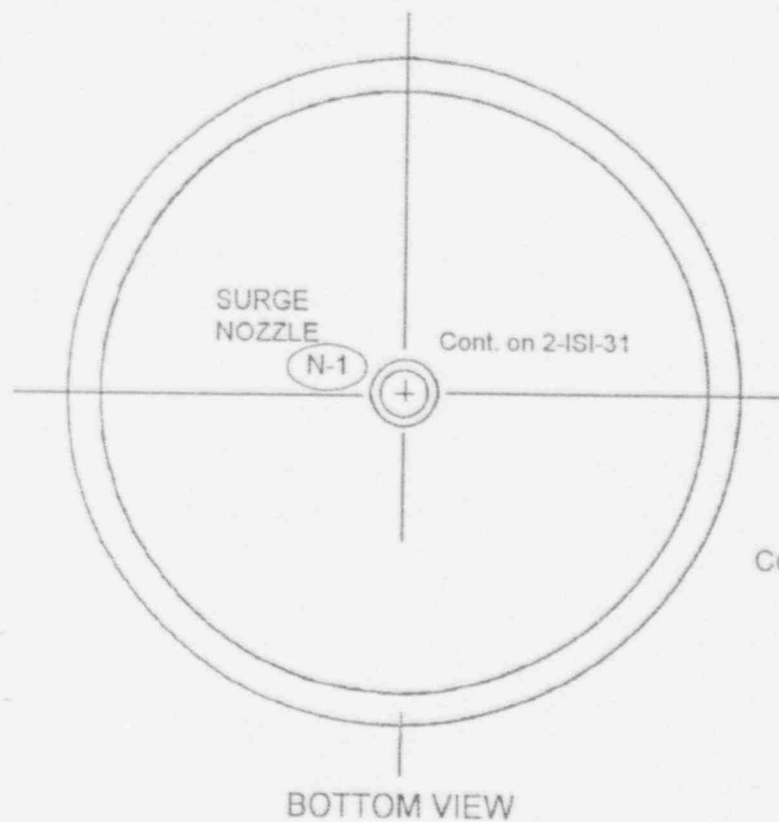
NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>AS</i>	CHKD: <i>mv</i> APPD: <i>CAK</i>
SYSTEM: <i>Reactor Coolant</i>	
LINE NO: <i>27 1/2-2RC-3B</i>	
DWG NO: <i>2-ISI-33C</i>	REV: <i>0</i>

Reactor Coolant Loop 'B'



Regenerative Heat Exchanger

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: 465	CHKD: <i>NY</i>
APPD: <i>CM</i>	
SYSTEM: Chemical and Volume Control	
LINE NO: NA	
DWG NO: 2-ISI-34	REV: 3



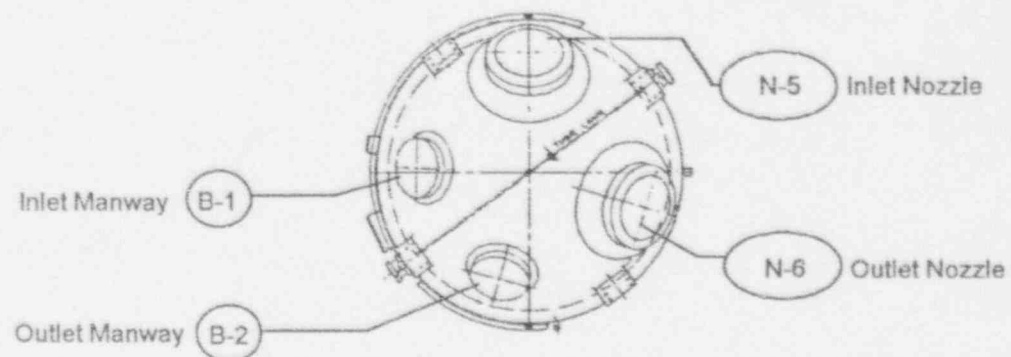
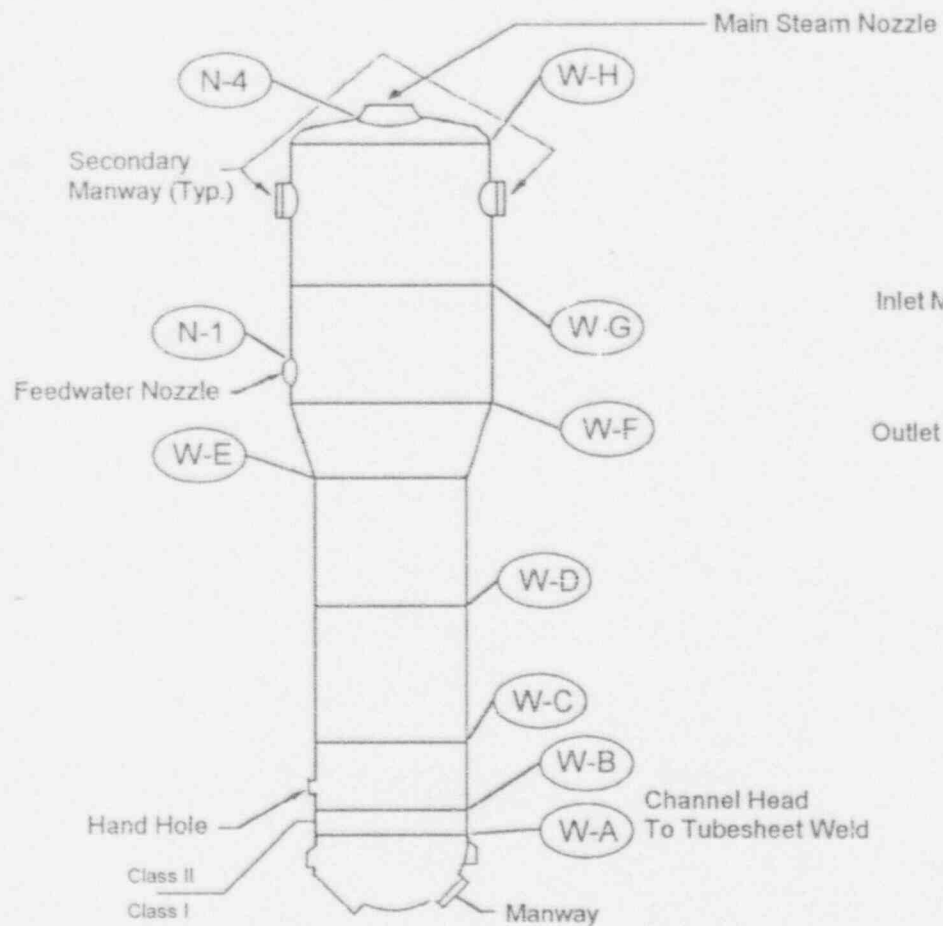
ISI = NOZZLE NO.

ISI = BOLT NO.

Pressurizer Nozzles

Ref. Dwgs: XH-1001-134
XH-1001-135
XH-1001-741
XH-1001-742

NSP - PRAIRIE ISLAND UNIT 2			ISI
DWN: <i>AG</i>	CHKD: <i>MV</i>	APPD: <i>OK</i>	
SYSTEM: <i>Reactor Coolant</i>			
LINE NO: <i>NA</i>			
DWG NO: <i>2-ISI-35</i>			
REV: <i>3</i>			



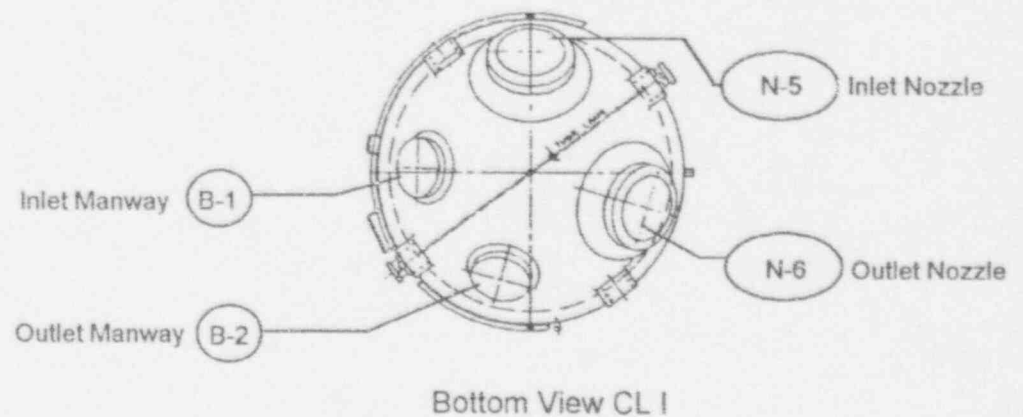
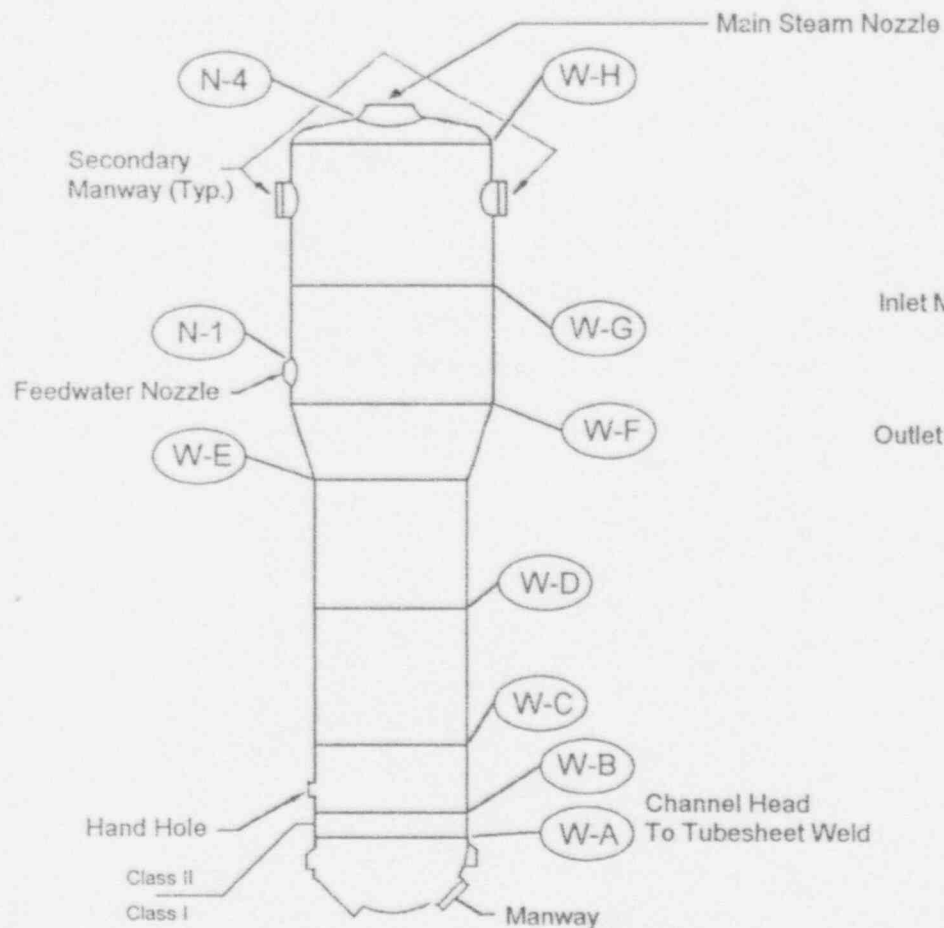
Bottom View CL I

ISI = Weld No.

ISI = Bolt No.

Steam Generator 21

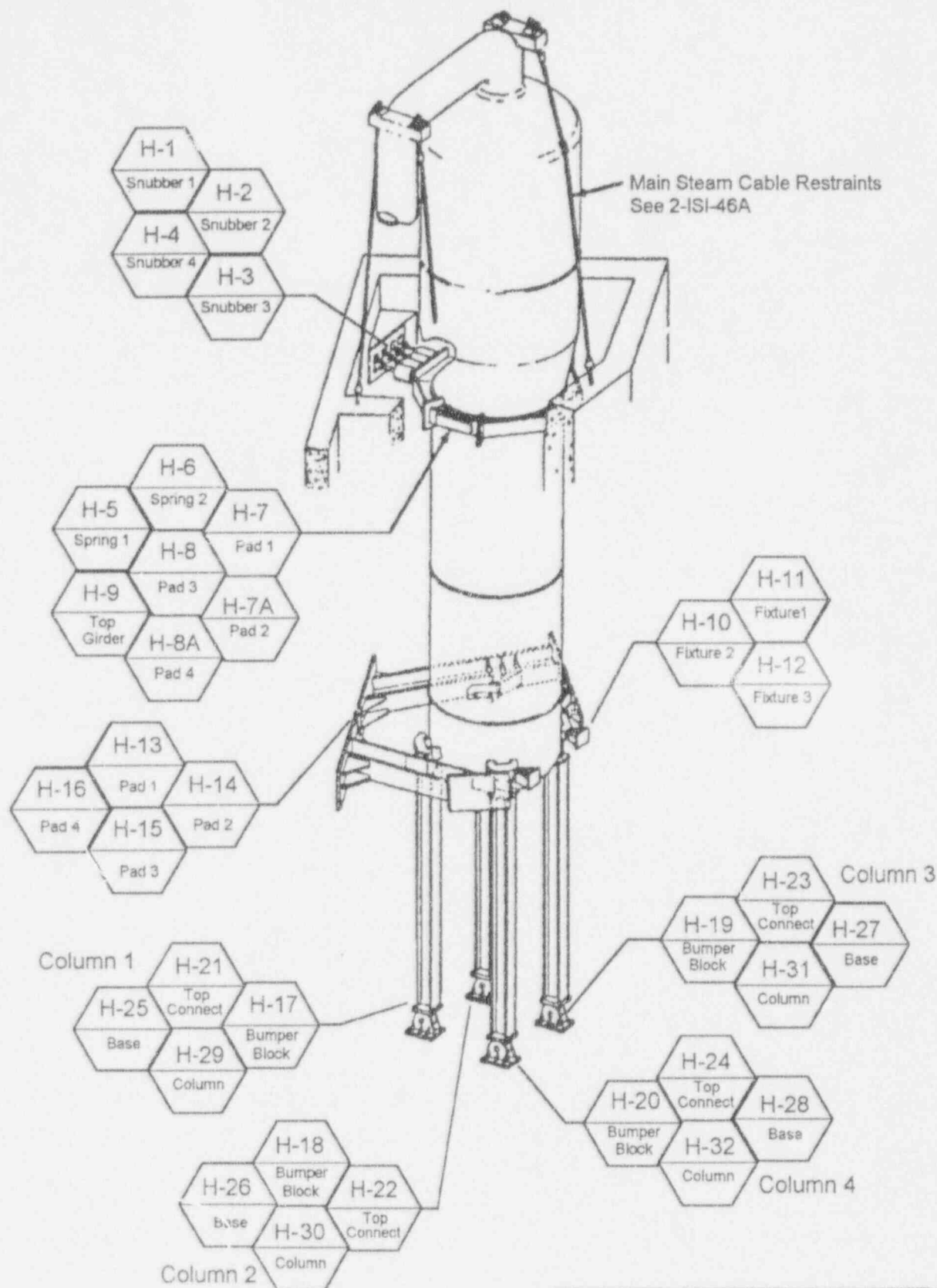
NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>AKS</i>	CHKD: <i>MY</i> APPD: <i>CHK</i>
SYSTEM: <i>Steam Generator 21</i>	
LINE NO: <i>NA</i>	
DWG NO: <i>2-ISI-37A</i>	REV: <i>0</i>



ISI = Weld No.
ISI = Bolt No.

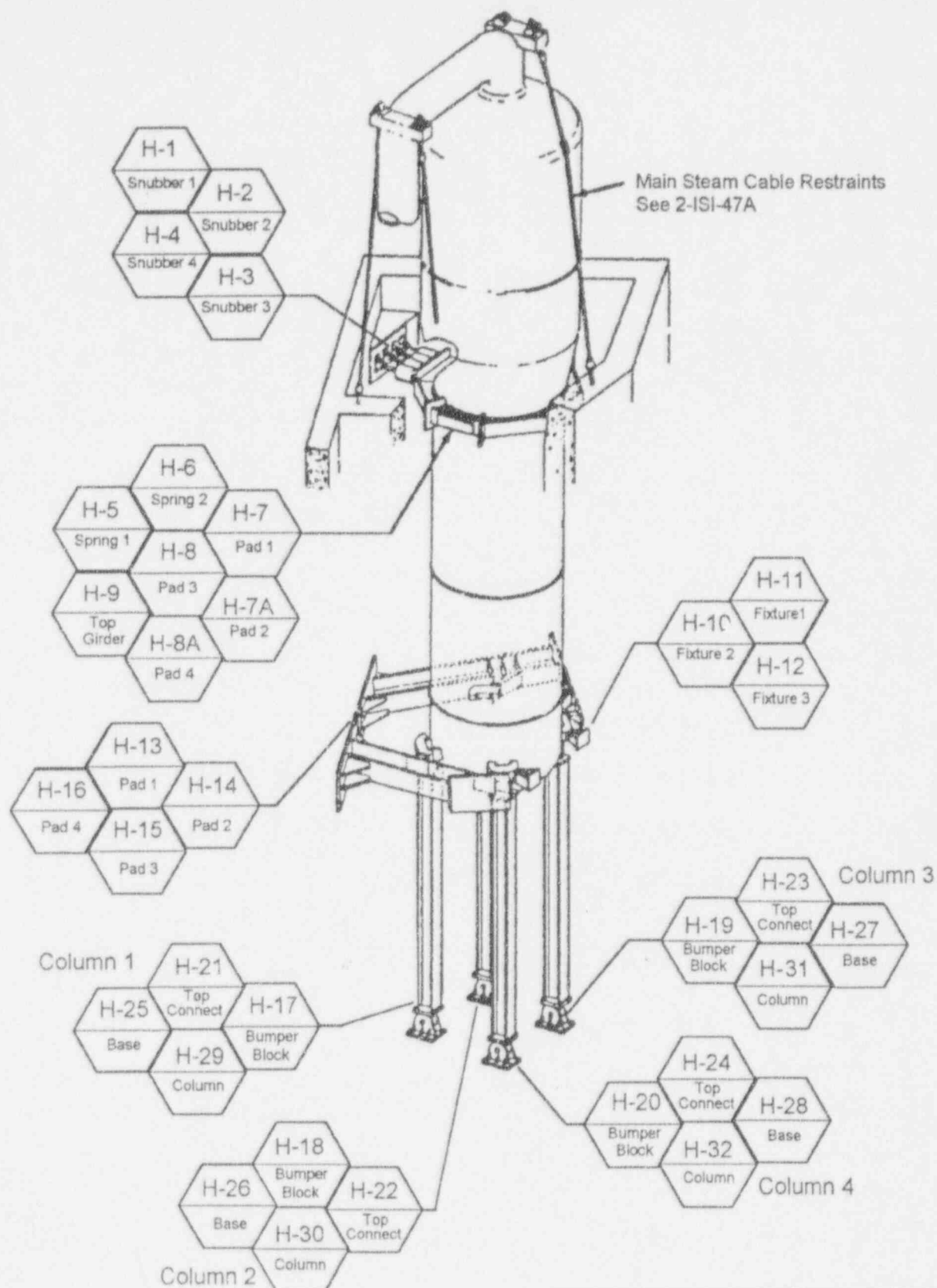
Steam Generator 22

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>AGS</i>	CHKD: <i>mv</i> APPD: <i>CHK</i>
SYSTEM: <i>Steam Generator 22</i>	
LINE NO: <i>NA</i>	
DWG NO: <i>2-ISI-37B</i>	REV: <i>0</i>



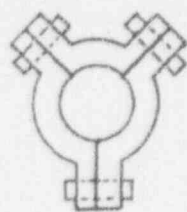
Steam Generator 21

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>AGS</i> CHKD: <i>mv</i> APPD: <i>CH</i>	
SYSTEM: <i>Steam Generator 21</i>	
LINE NO: <i>Supports (Typical)</i>	
DWG NO: <i>2-ISI-37C</i>	REV: <i>0</i>



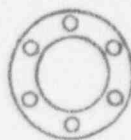
Steam Generator 22

NSP - PRAIRIE ISLAND UNIT 2		ISI
DWN: <i>AMS</i>	CHKD: <i>mv</i>	APPD: <i>CH</i>
SYSTEM: <u>Steam Generator 22</u>		
LINE NO: <u>Supports (Typical)</u>		
DWG NO: <u>2-ISI-37D</u>		REV: <u>0</u>



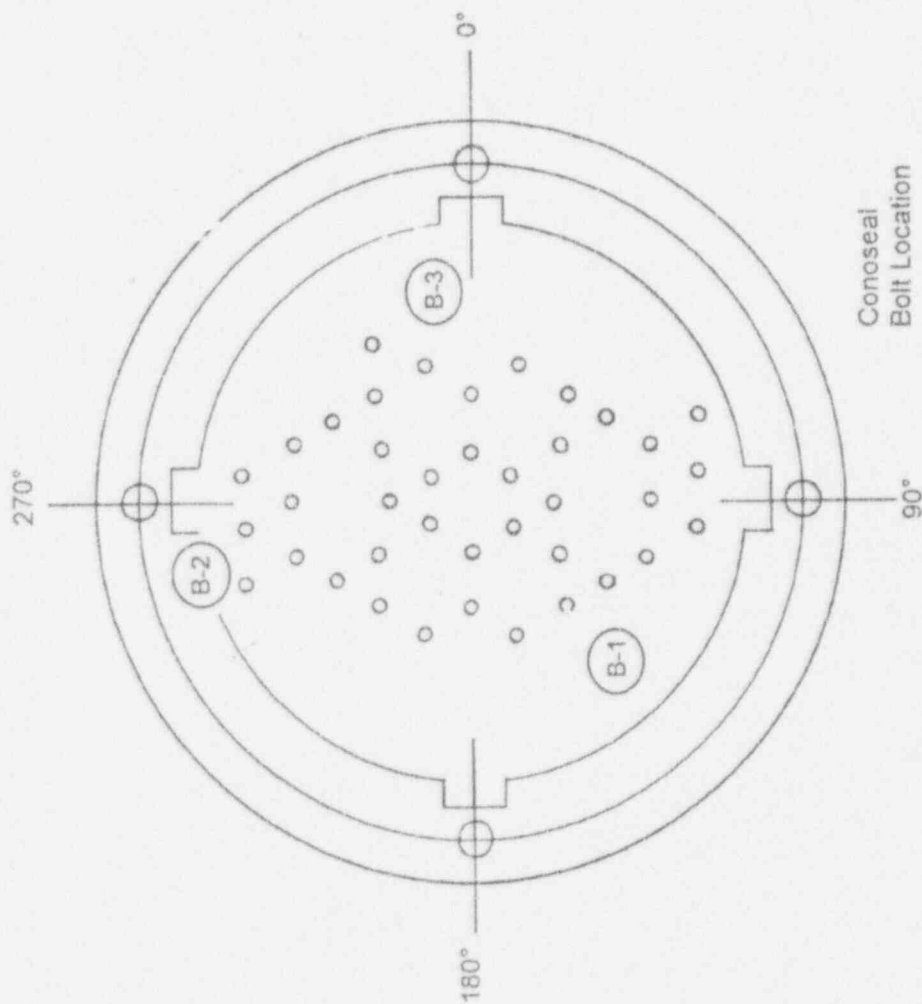
Marmon Clamp

(3) Assemblies @ 120°, 270°, 360°



Jacking Screws
(3) Assemblies

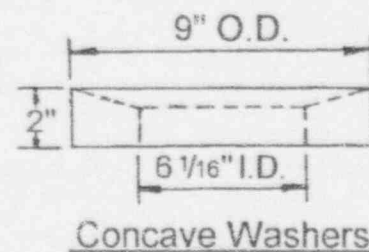
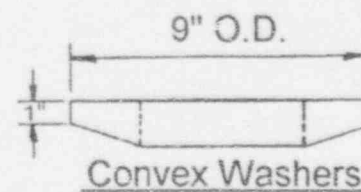
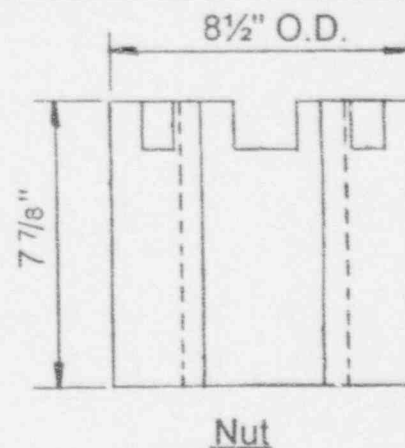
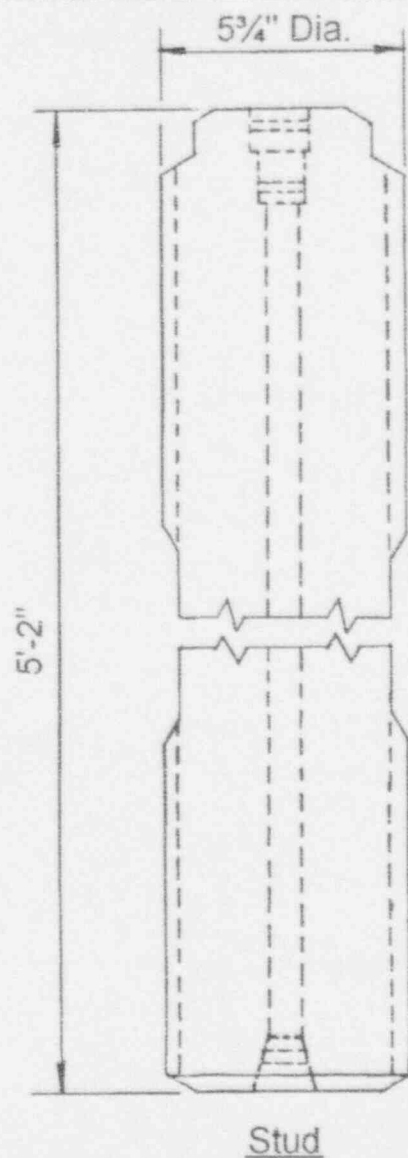
ISI = BOLT NO.



Conoseal
Bolt Location

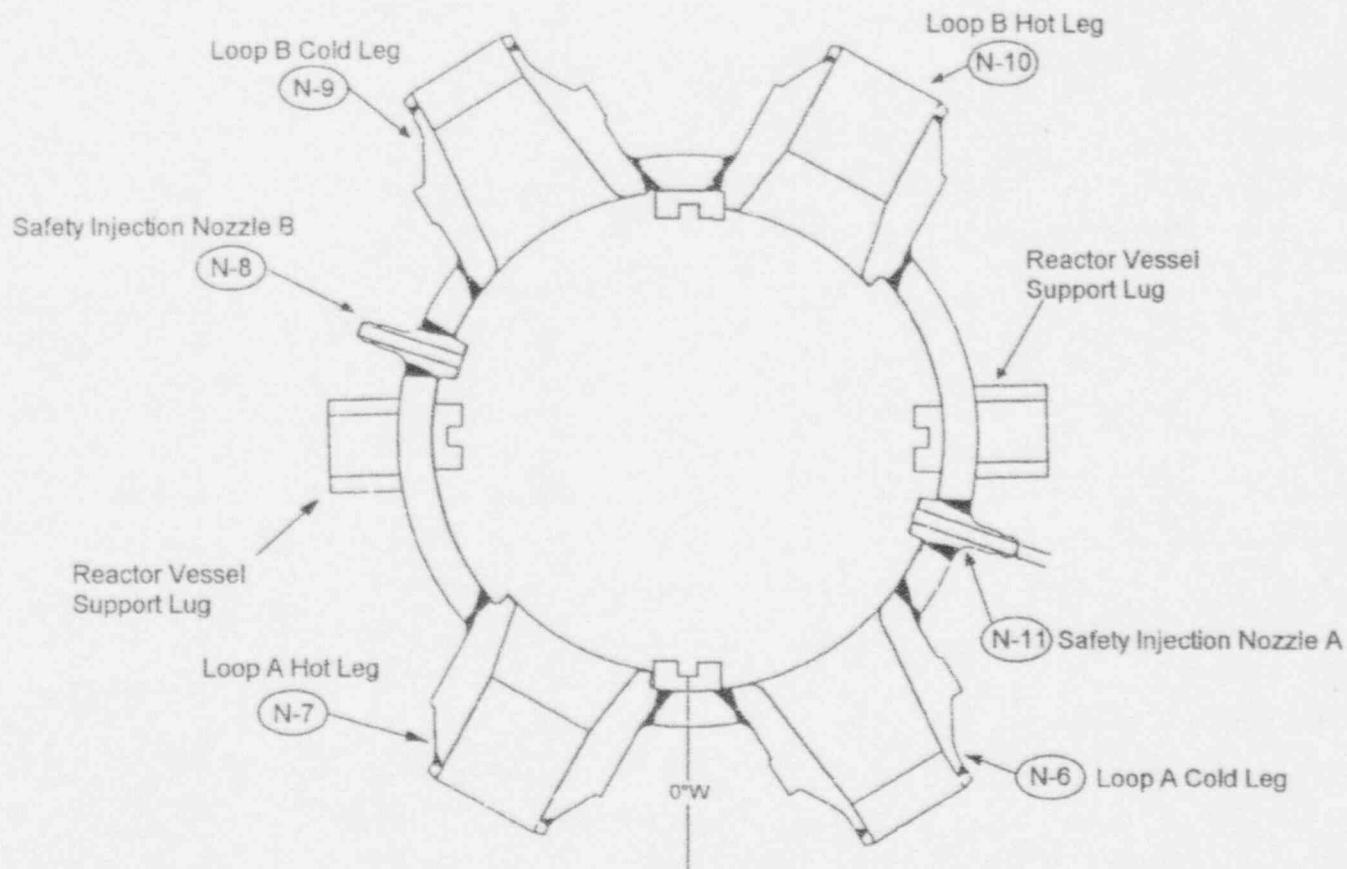
Reactor Vessel Conoseal Bolting

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: 155	CHKD: <i>WV</i> APPD: <i>CM</i>
SYSTEM: <u>Reactor Vessel Conoseal Bolting</u>	
LINE NO: <u>~</u>	
DWG NO: <u>2-ISI-38</u>	REV: <u>4</u>



Reactor Vessel Studs, Nuts & Washers

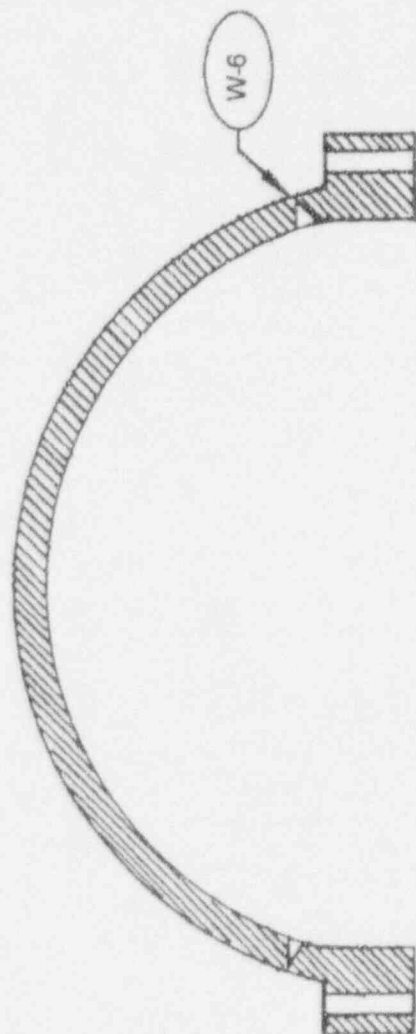
NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: 465	CHKD: MV APPD: CH
SYSTEM: Reactor Vessel Studs, Nuts & Washers	
LINE NO: ~	
DWG NO: 2-ISI-39	REV: 3



(ISI) = NOZZLE NO.

Reactor Vessel Nozzles

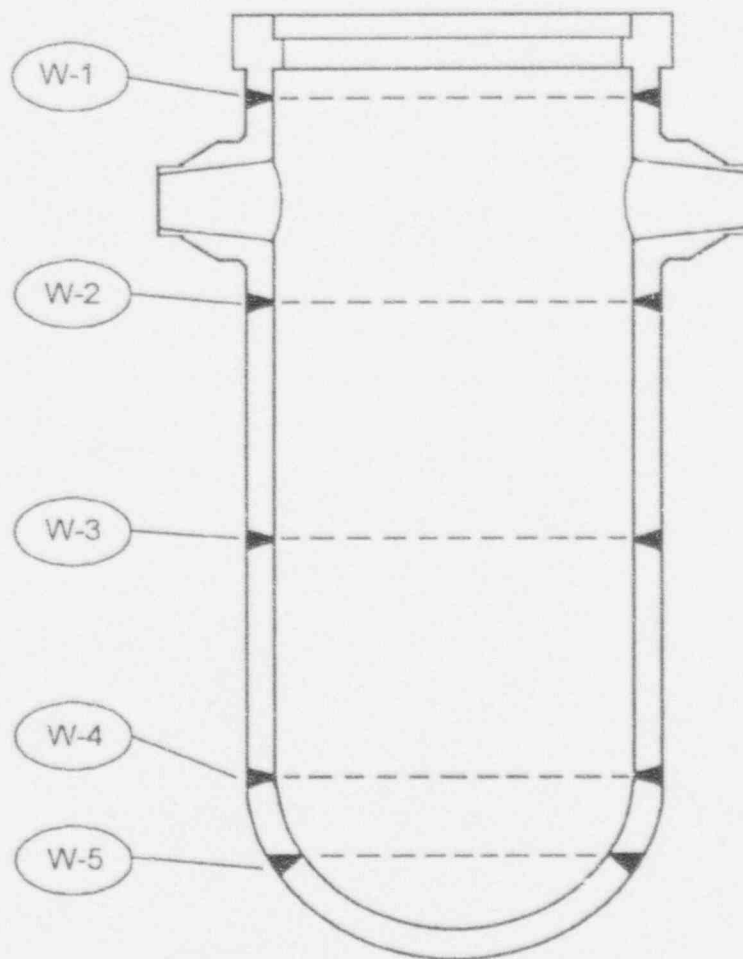
NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: A65	CHKD: <i>MS</i> APPD: <i>CH</i>
SYSTEM: <i>Reactor Vessel Nozzles</i>	
LINE NO: ~	
DWG NO: 2-ISI-40	REV: 4



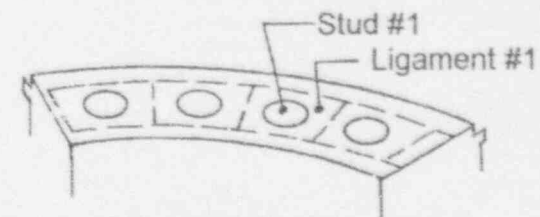
ISI = WELD NO.

Reactor Vessel Head Weld

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: NGS CHKD: MV APPD: CH	
SYSTEM: <i>Reactor Vessel Head Weld</i>	
LINE NO: ~	
DWG NO: 2-ISI-41	REV: 4



Reactor Vessel Shell Welds

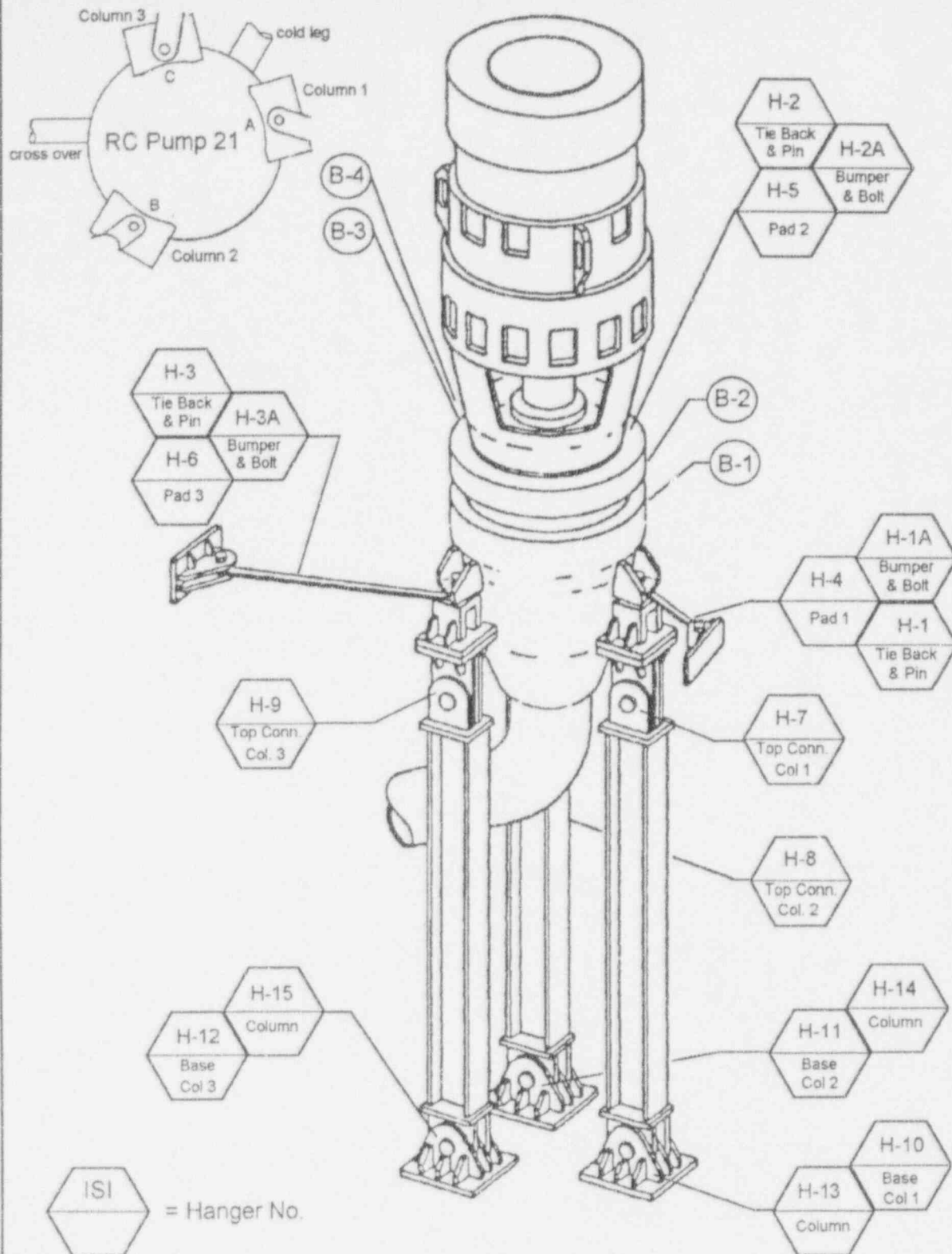


Ligament Number
Corresponds to Stud
Hole Number

ISI = WELD No.

Nozzle to Vessel Welds
Shown on 2-ISI-40

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>AST</i>	CHKD: <i>MA</i> APPD: <i>OK</i>
SYSTEM: <i>Reactor Vessel Shell Welds</i>	
LINE NO: <i>~</i>	
DWG NO: <i>2-ISI-42</i>	REV: <i>3</i>



= Hanger No.



= Bolt No.

Reactor Coolant Pump 21

NSP - PRAIRIE ISLAND UNIT 2

ISI

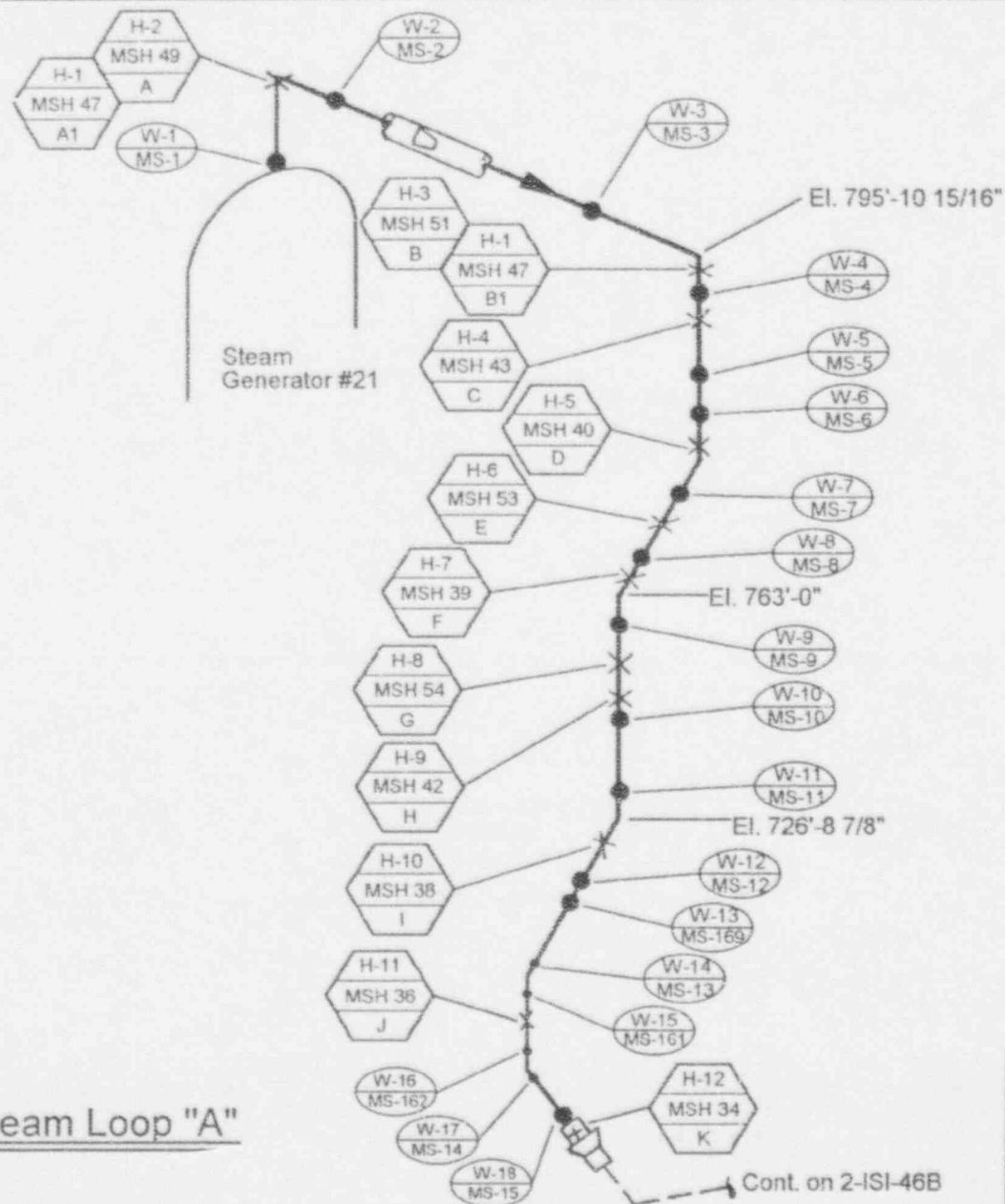
DWN: *RLS* CHKD: *ML* APPD: *CHL*

SYSTEM: Reactor Coolant

LINE NO: Pump Supports

DWG NO: 2-ISI-43A

REV: 0



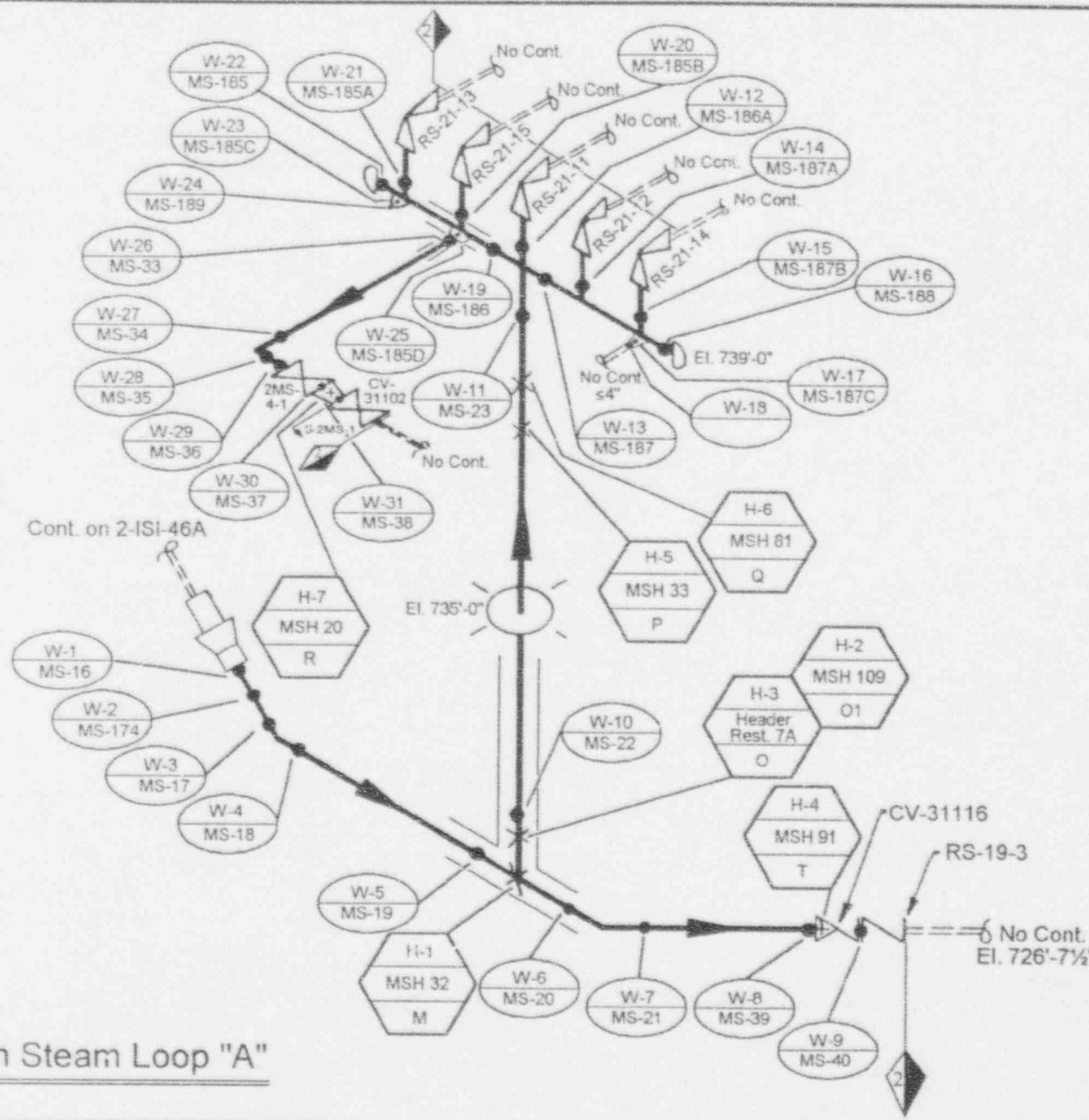
Main Steam Loop "A"

ISI
NAVCO
WEST = HANGER No.

ISI
MS- = WELD No.

REF. DWG: XH-1106-47

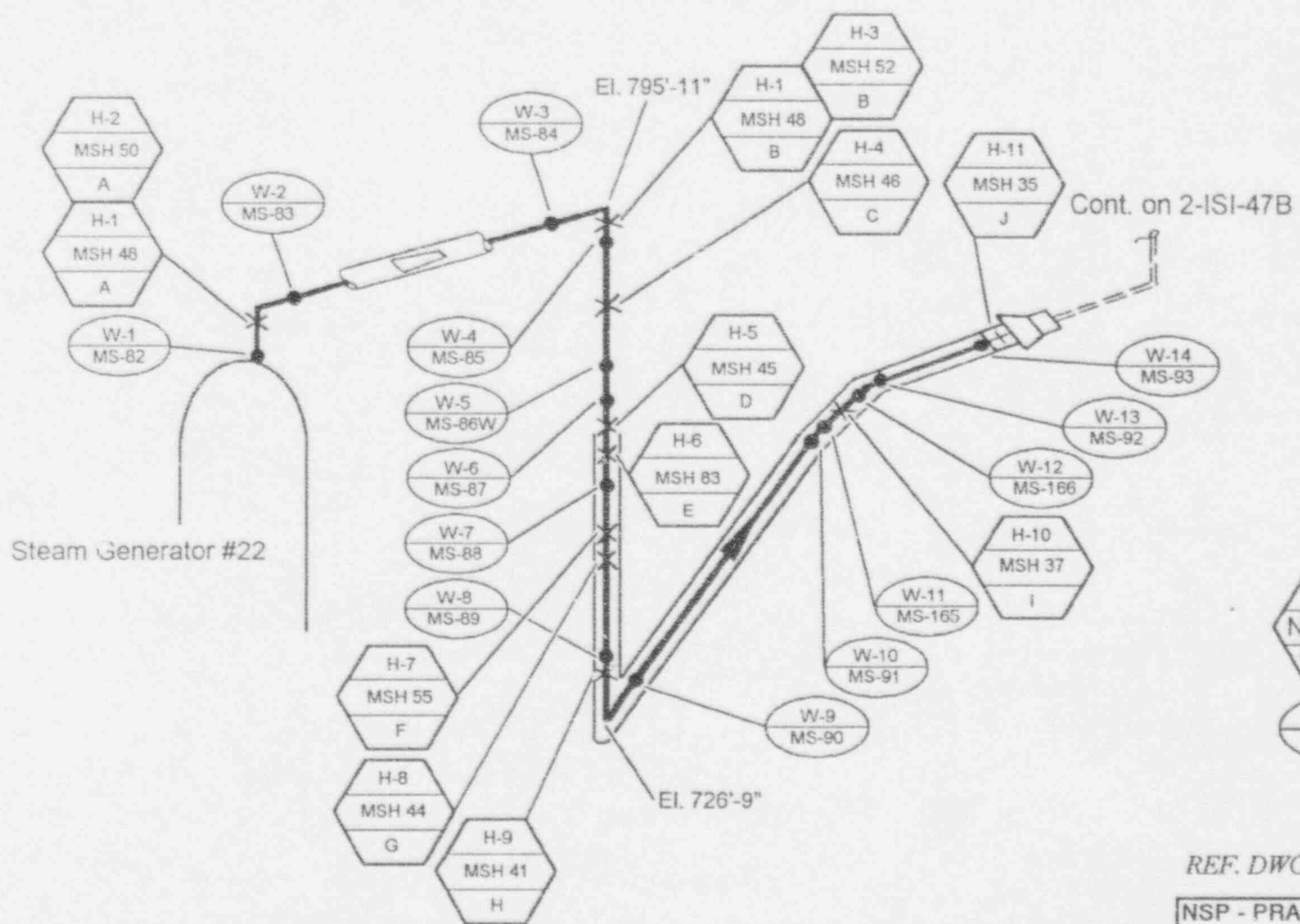
NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: AGS	CHKD: <i>Th</i> APPD: <i>CH</i>
SYSTEM: <u>Main Steam</u>	
LINE NO: <u>30-2MS-1, 31-2MS-1, 32-2MS-1</u>	
DWG NO: <u>2-ISI-46A</u>	REV: <u>3</u>



ISI
 NAVCO = HANGER No.
 WEST
 ISI
 MS- = WELD No.

Main Steam Loop "A"

REF. DWG: XH-1106-47		
NSP - PRAIRIE ISLAND UNIT 2		ISI
DWN: <i>aps</i>	CHKD: <i>mv</i>	APPD: <i>OK</i>
SYSTEM: <u>Main Steam</u>		
LINE NO: <u>6-2MS-1, 5-2MS-1, 30-2MS-1, 31-2MS-1</u>		
DWG NO: <u>2-ISI-46B</u>	REV: <u>3</u>	



ISI
 NAVCO
 WEST
 = HANGER No.

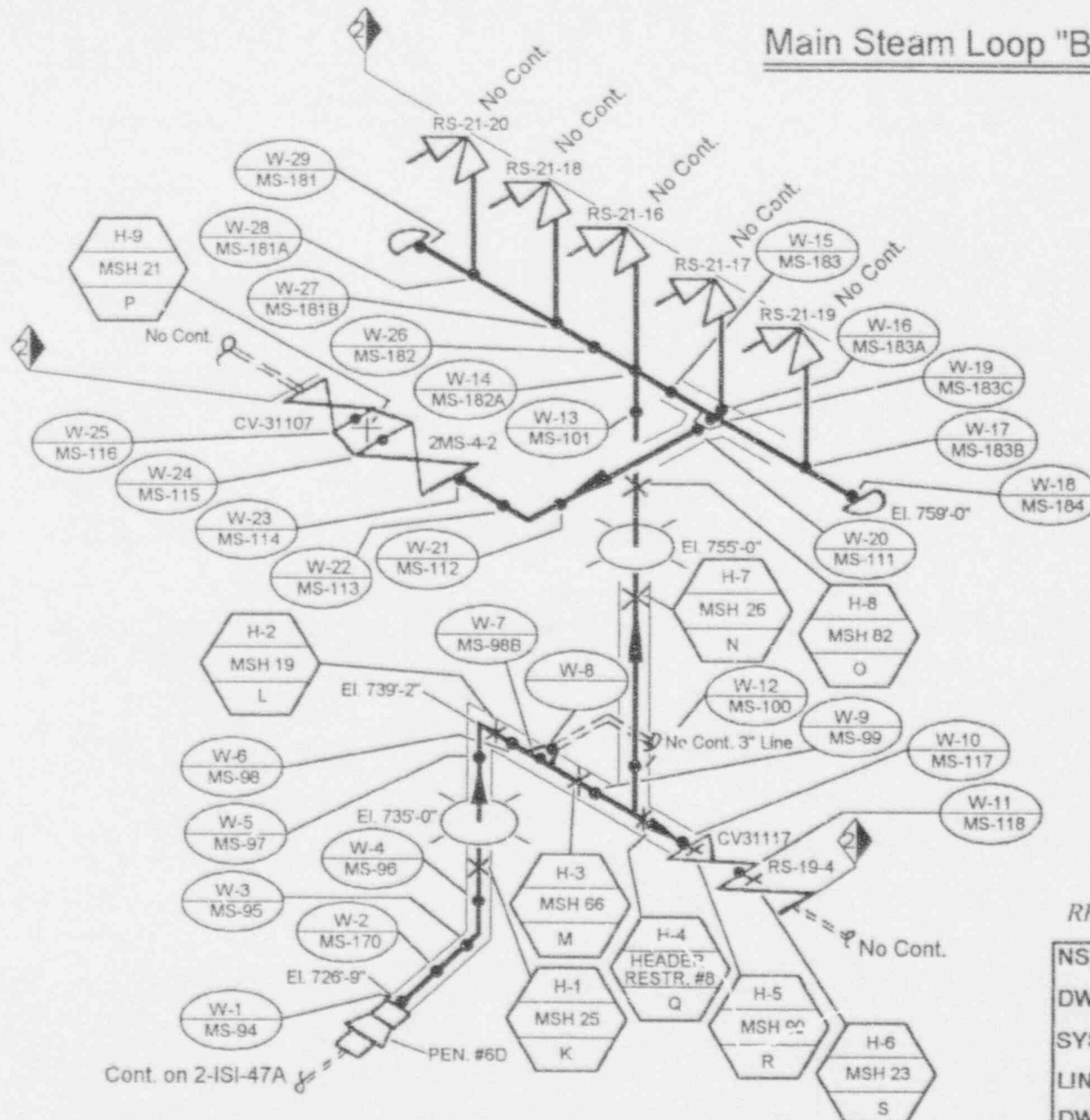
ISI
 MS-
 = WELD No.

Main Steam Loop "B"

REF. DWG: XH-1106-48

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>AKS</i>	CHKD: <i>mv</i> APPD: <i>CHK</i>
SYSTEM: <i>Main Steam</i>	
LINE NO: <i>30-2MS-2, 31-2MS-2, 32-2MS-2</i>	
DWG NO: <i>2-ISI-47A</i>	REV: <i>3</i>

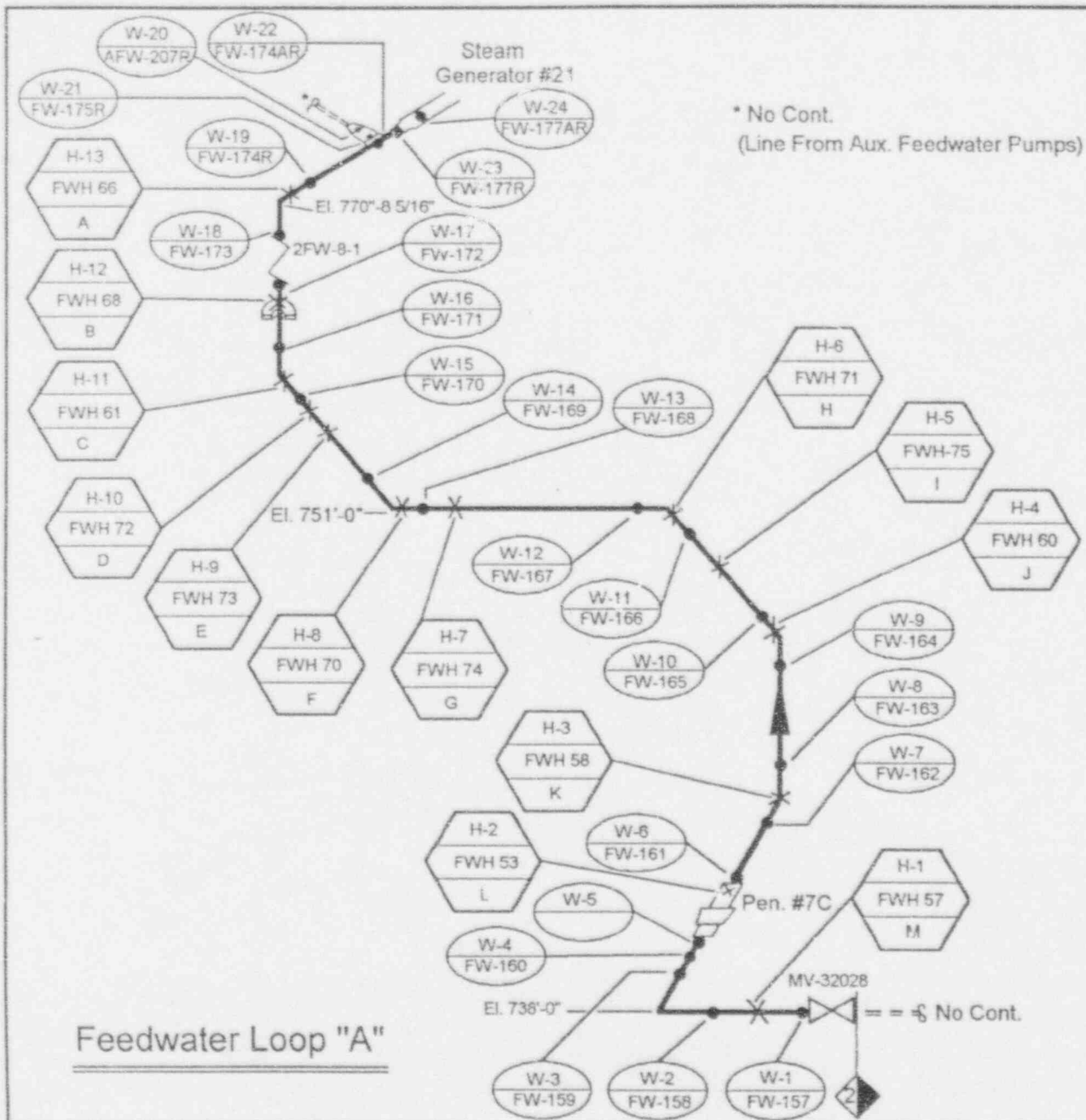
Main Steam Loop "B"



= HANGER No.
 = WELD No.

REF. DWG: XH-1106-48

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>AGS</i>	CHKD: <i>MJ</i> APPD: <i>AK</i>
SYSTEM: <u>Main Steam</u>	
LINE NO: <u>5-2MS-2, 6-2MS-2, 30-2MS-2, 31-2MS-2</u>	
DWG NO: <u>2-ISI-47B</u>	REV: <u>3</u>



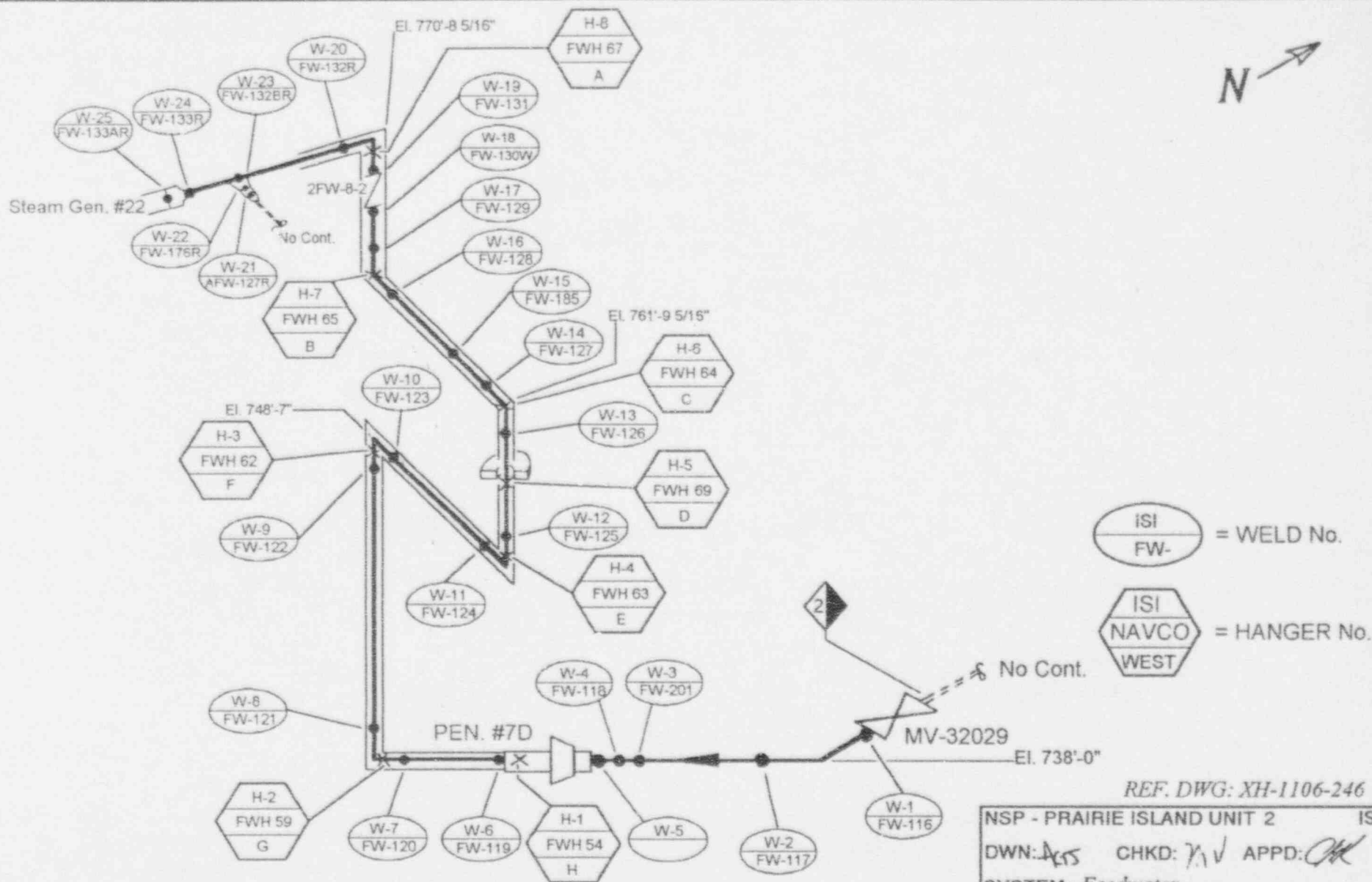
ISI
NAVCO
WEST = HANGER No.

ISI
FW- = WELD No.

REF. DWG: XH-1106-246

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: AGS	CHKD: <i>mm</i> APPD: <i>CH</i>
SYSTEM: <u>Feedwater</u>	
LINE NO: <u>16-2FW-11, 16-2FW-12, 16-2FW-13</u>	
DWG NO: <u>2-ISI-48</u>	REV: <u>0</u>

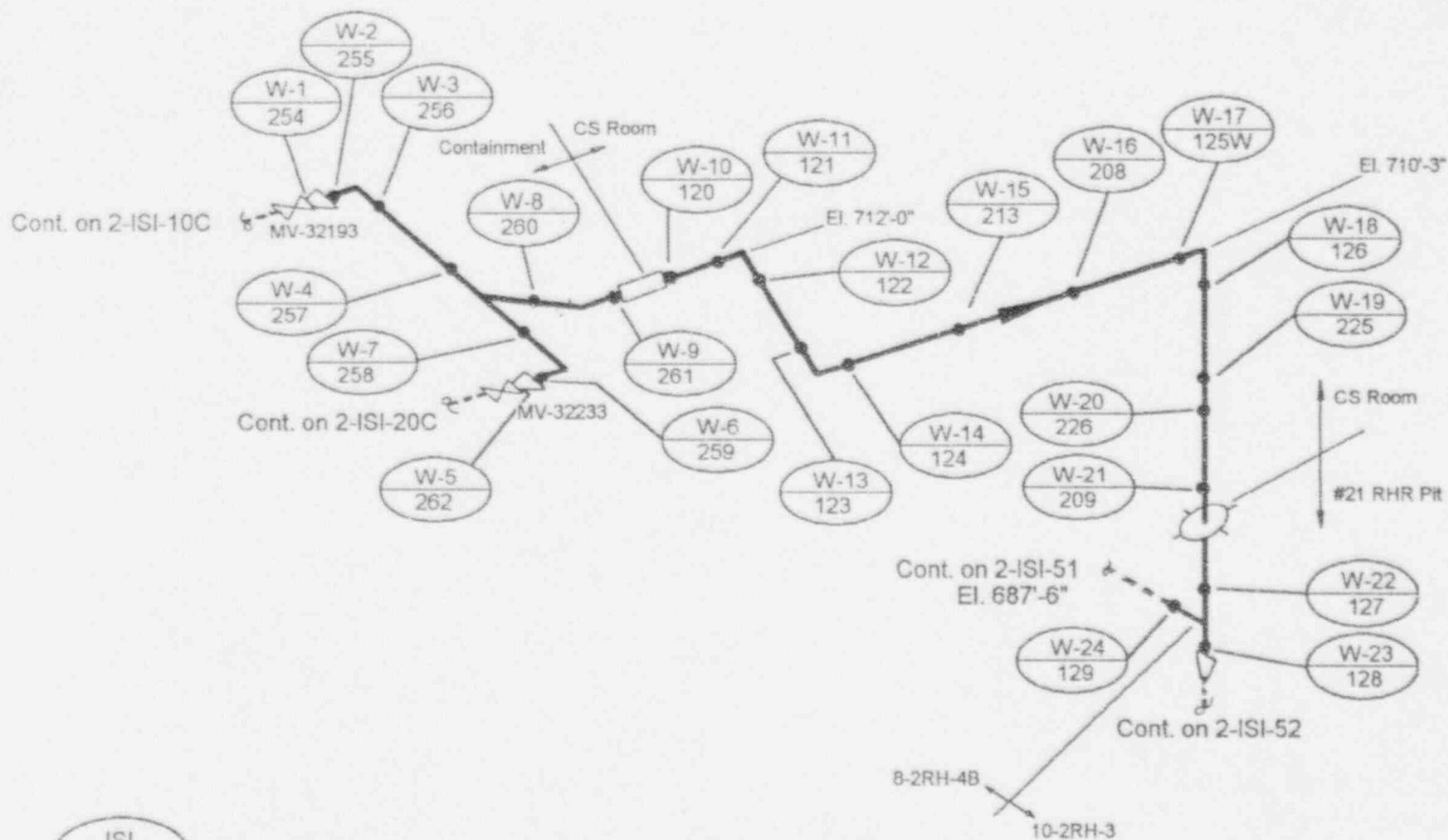
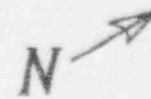
Feedwater Loop "A"



Feedwater Loop "B"

REF. DWG: XH-1106-246

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>AKS</i>	CHKD: <i>YAV</i> APPD: <i>OK</i>
SYSTEM: <u>Feedwater</u>	
LINE NO: <u>16-2FW-15, 16-2FW-16</u>	
DWG NO: <u>2-ISI-49</u>	REV: <u>0</u>

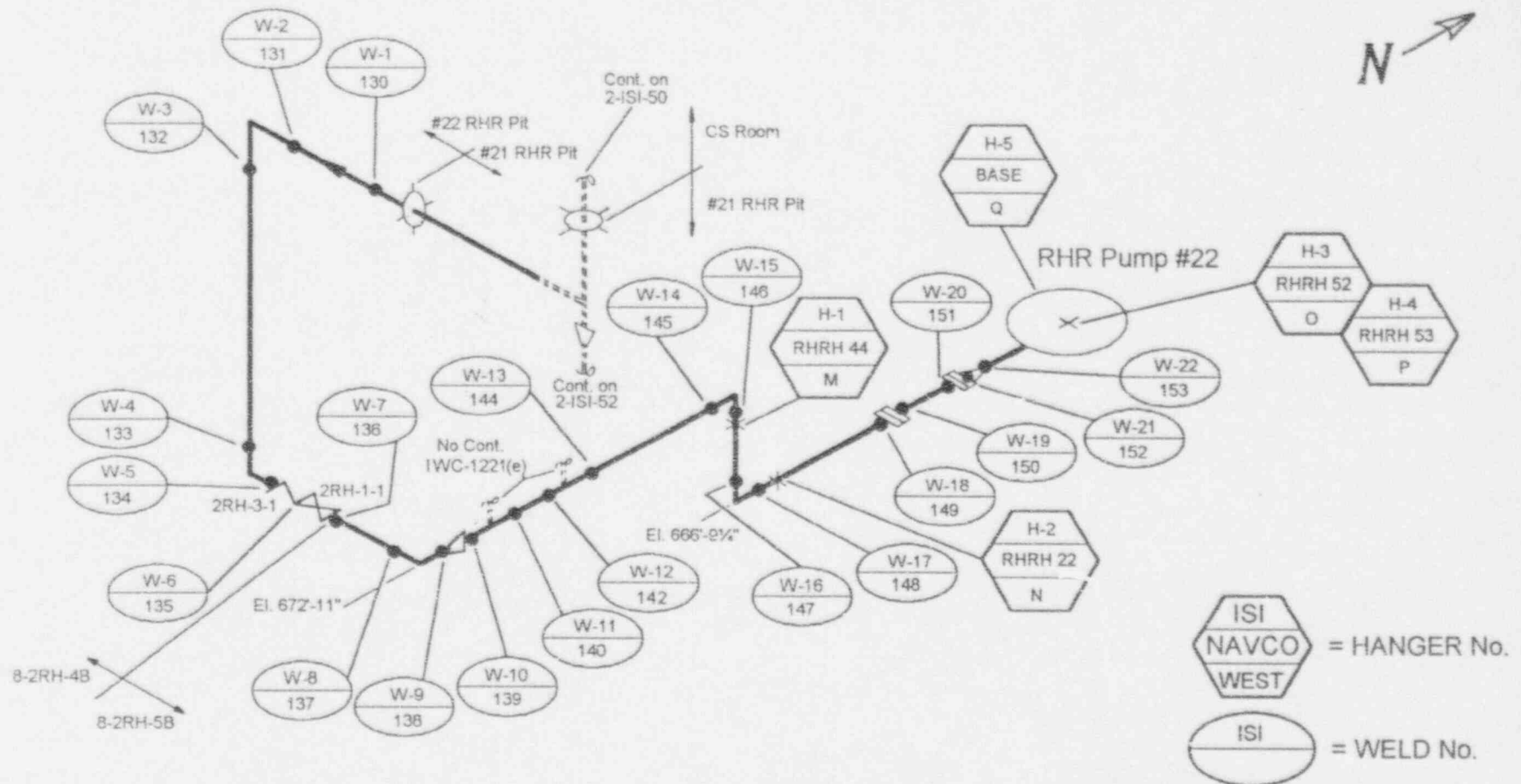


ISI = WELD No.

RHR Pumps Suction

REF. DWG: XH-1106-1810
XH-1106-2550

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>NT</i>	CHKD: <i>MD</i> APPD: <i>CK</i>
SYSTEM: <u>RHR Pumps Suction</u>	
LINE NO: <u>8-2RH-4B, 10-2RH-3</u>	
DWG NO: <u>2-ISI-50</u>	REV: <u>5</u>




RHR Pump "B" Suction

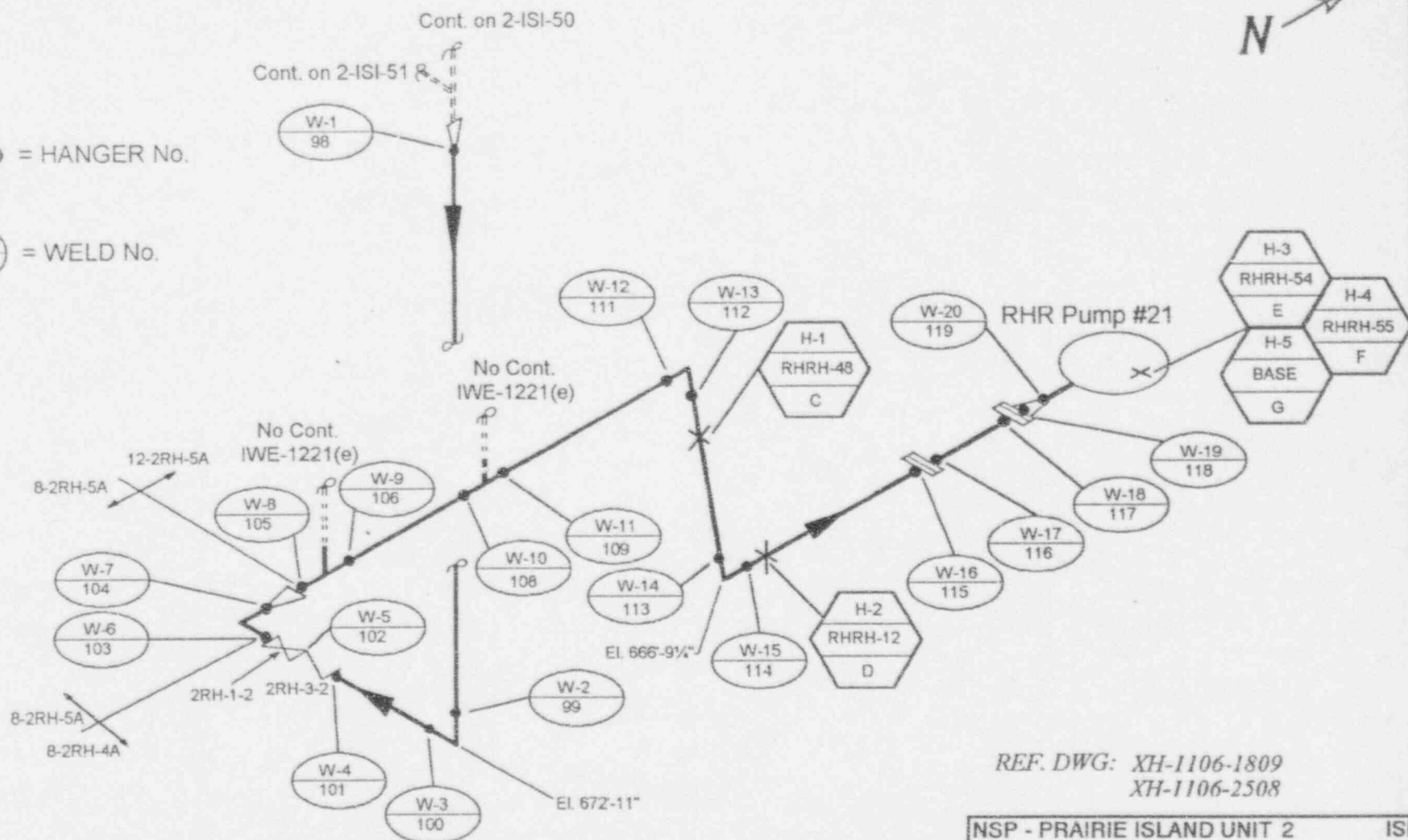
Ref. Dwg: XH-1106-1810

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: AGJ	CHKD: JHV APPD: JHV
SYSTEM: RHR Pump B Suction	
LINE NO: 8-2RH-4B, 8-2RH-5B, 12-2RH-5B	
DWG NO: 2-ISI-51	REV: 5



 = HANGER No.

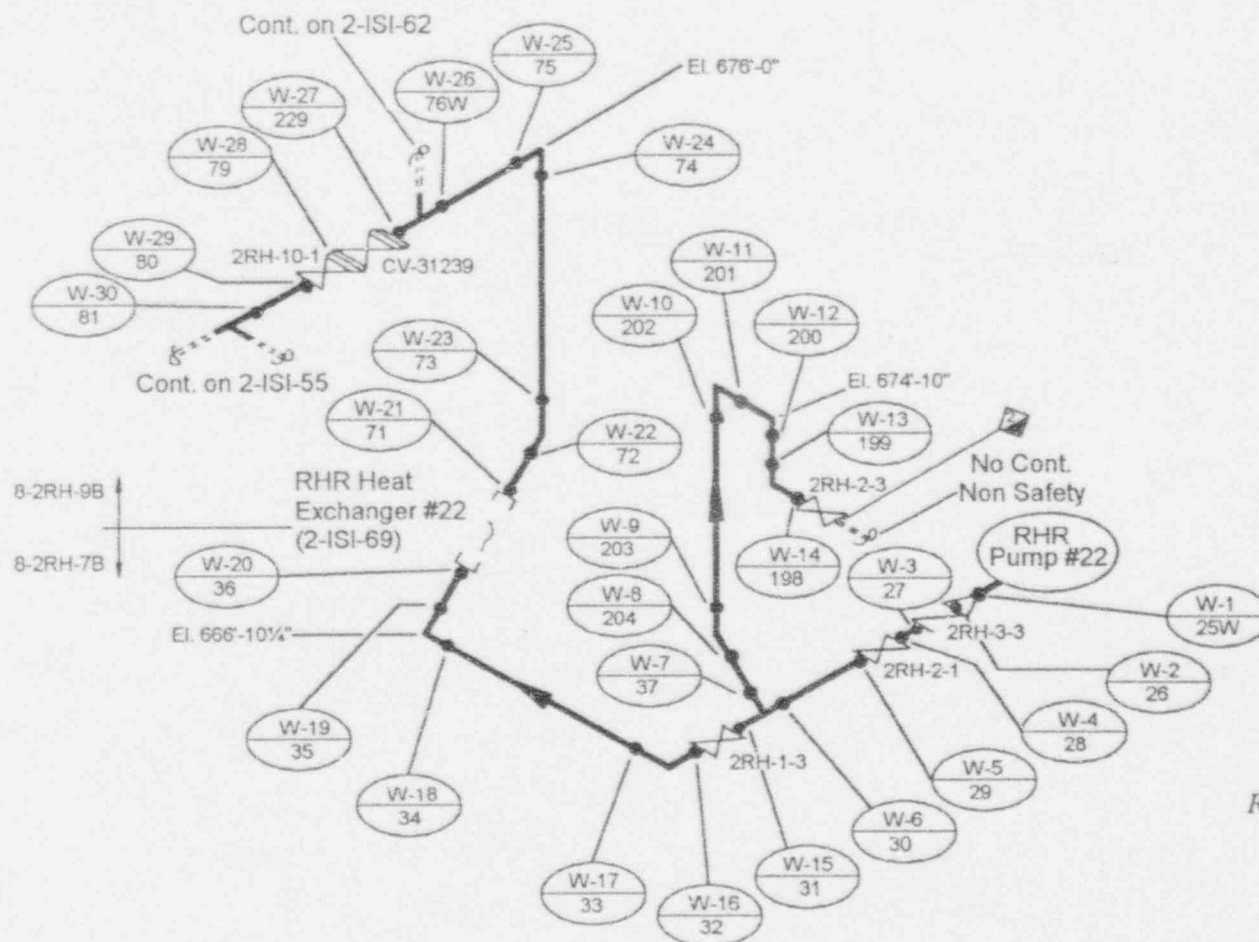
 = WELD No.



RHR Pump "A" Suction

REF. DWG: XH-1106-1809
 XH-1106-2508

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>NS</i>	CHKD: <i>MS</i> APPD: <i>CH</i>
SYSTEM: <u>RHR Pump A Suction</u>	
LINE NO: <u>8-2RH-4A, 8-2RH-5A, 12-2RH-5A</u>	
DWG NO: <u>2-ISI-52</u>	REV: <u>5</u>

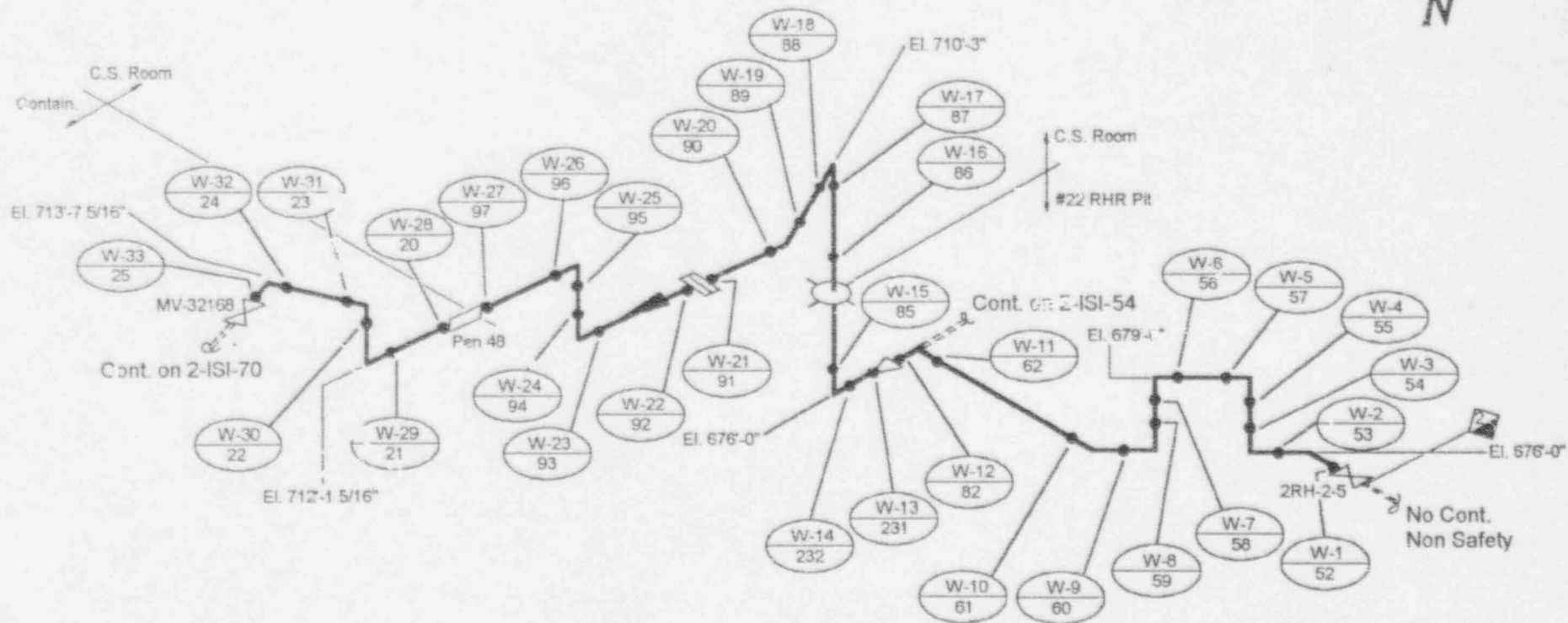



ISI = WELD No.

REF. DWG: XH-1106-1807
 XH-1106-1808
 XH-1106-1809
 XH-1106-1812
 XH-1106-2517

RHR Pump "B" Discharge

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>AS</i>	CHKD: <i>h</i> APPD: <i>OK</i>
SYSTEM: <i>RHR Pump B Discharge</i>	
LINE NO: <i>8-2RH-7B, 8-2RH-9B</i>	
DWG NO: 2-ISI-54	REV: <i>5</i>

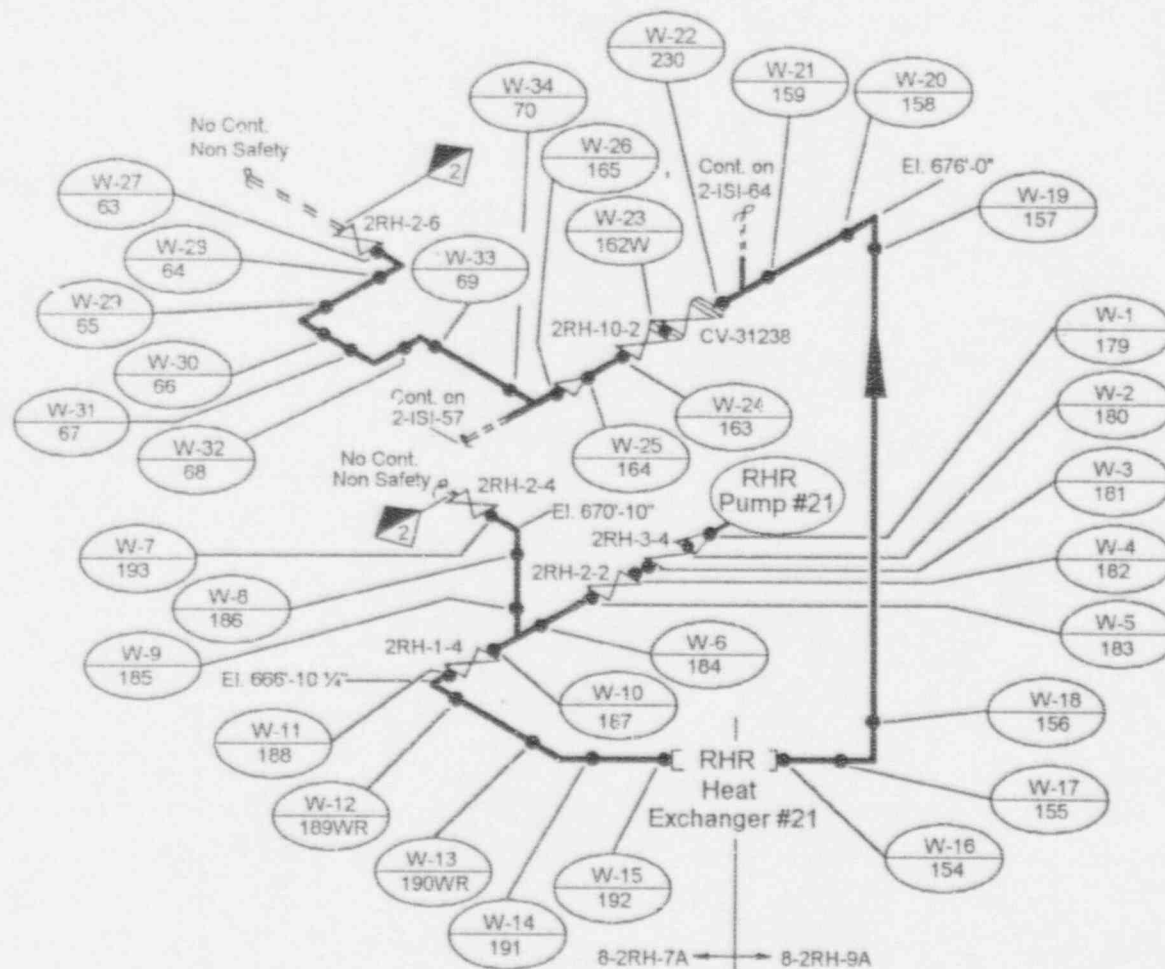


 = WELD No.

RHR Pump "B" Discharge

REF. DWG: XH-1106-1808
 XH-1106-1809
 XH-1106-2517

NSP - PRAIRIE ISLAND UNIT 2	IS
DWN: <i>AGJ</i>	CHKD: <i>MLV</i> APPD: <i>CHK</i>
SYSTEM: <i>RHR Pump B Discharge</i>	
LINE NO: <i>8-2RH-9B, 6-2SI-10B</i>	
DWG NO: <i>2-SI-55</i>	REV: <i>5</i>

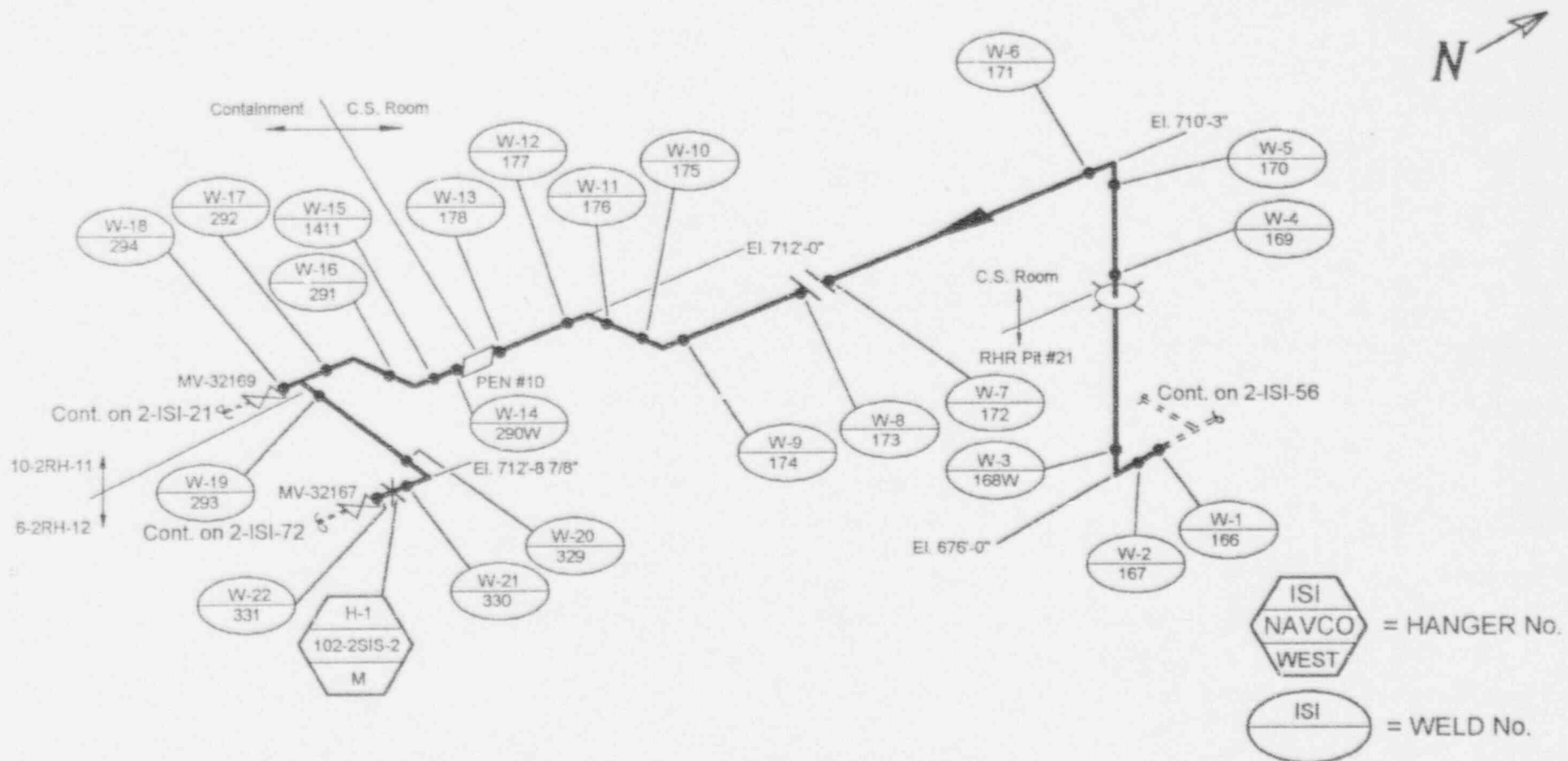


ISI = WELD No.

REF. DWG: XH-1106-1808
XH-1106-1811
XH-1106-1812

RHR Pump "A" Discharge

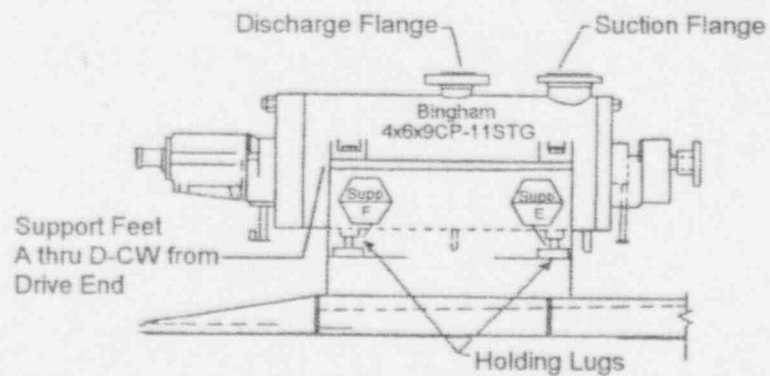
NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: AGS	CHKD: MV APPD: CH
SYSTEM: RHR Pump A Discharge	
LINE NO: 8-2RH-7A, 8-2RH-9A, 10-2RH-11	
DWG NO: 2-ISI-56	REV: 5



RHR Pump "A" Discharge

REF. DWG: XH-1106-1811
XH-1106-2552
XH-1106-2553

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: A65	CHKD: mv APPD: CK
SYSTEM: RHR Pump A Discharge	
LINE NO: 10-2RH-11, 6-2RH-12	
DWG NO: 2-ISI-57	REV: 4

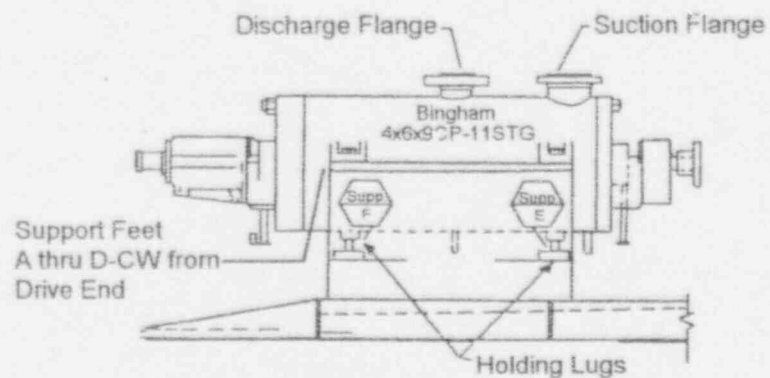


Safety Injection Pump (Typical)

Safety Injection Pump A

REF. DWG: XH-1001-648

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>AGS</i>	CHKD: <i>PHV</i> APPD: <i>CHK</i>
SYSTEM: <i>Safety Injection Pump A</i>	
LINE NO: _____	
DWG NO: <i>2-ISI-60A</i>	REV: <i>0</i>



Safety Injection Pump (Typical)

Safety Injection Pump B

REF. DWG: XH-1001-648

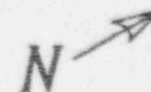
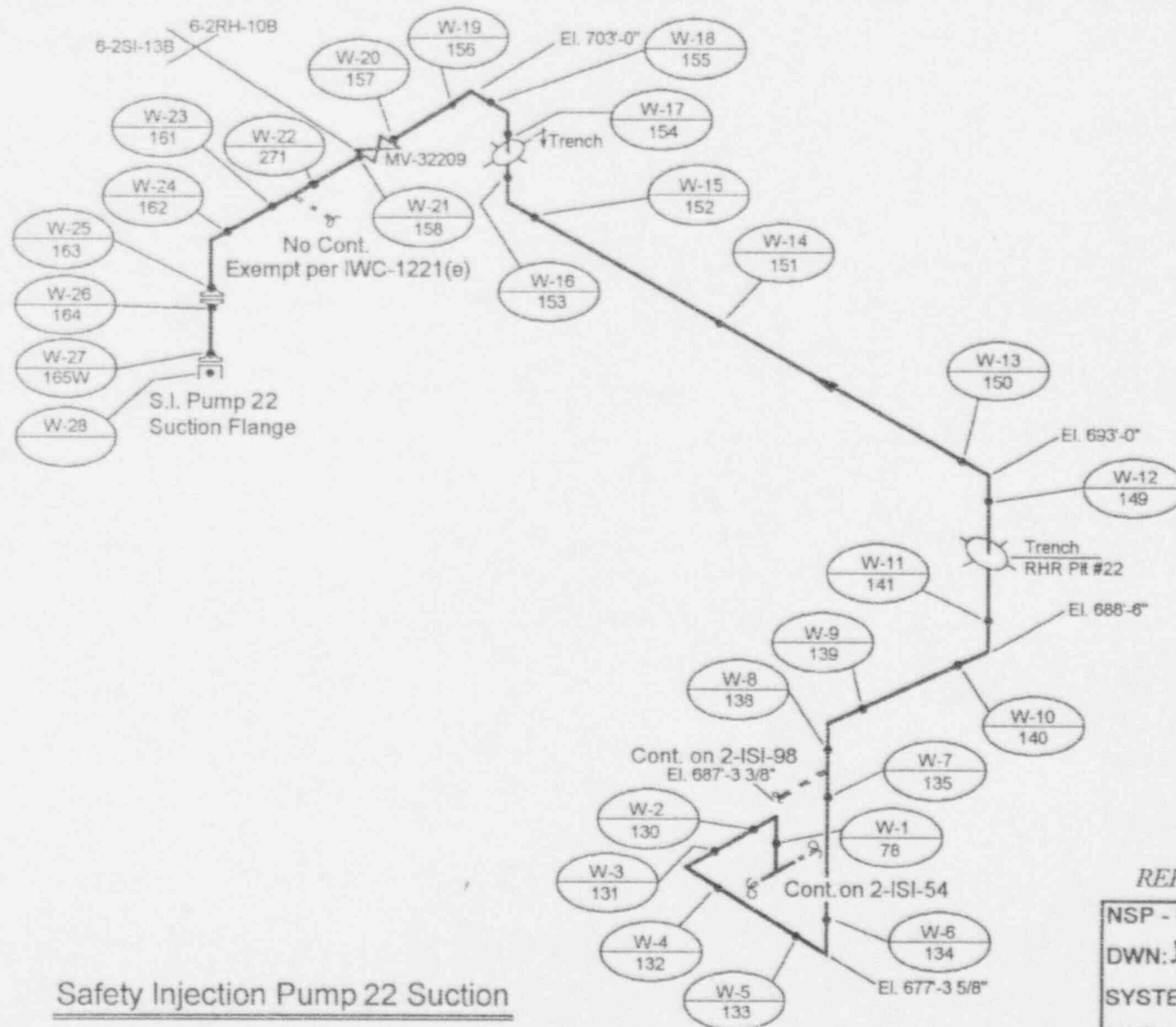
NSP - PRAIRIE ISLAND UNIT 2 ISI

DWN: *AGS* CHKD: *THV* APPD: *CHK*

SYSTEM: Safety Injection Pump B

LINE NO: _____

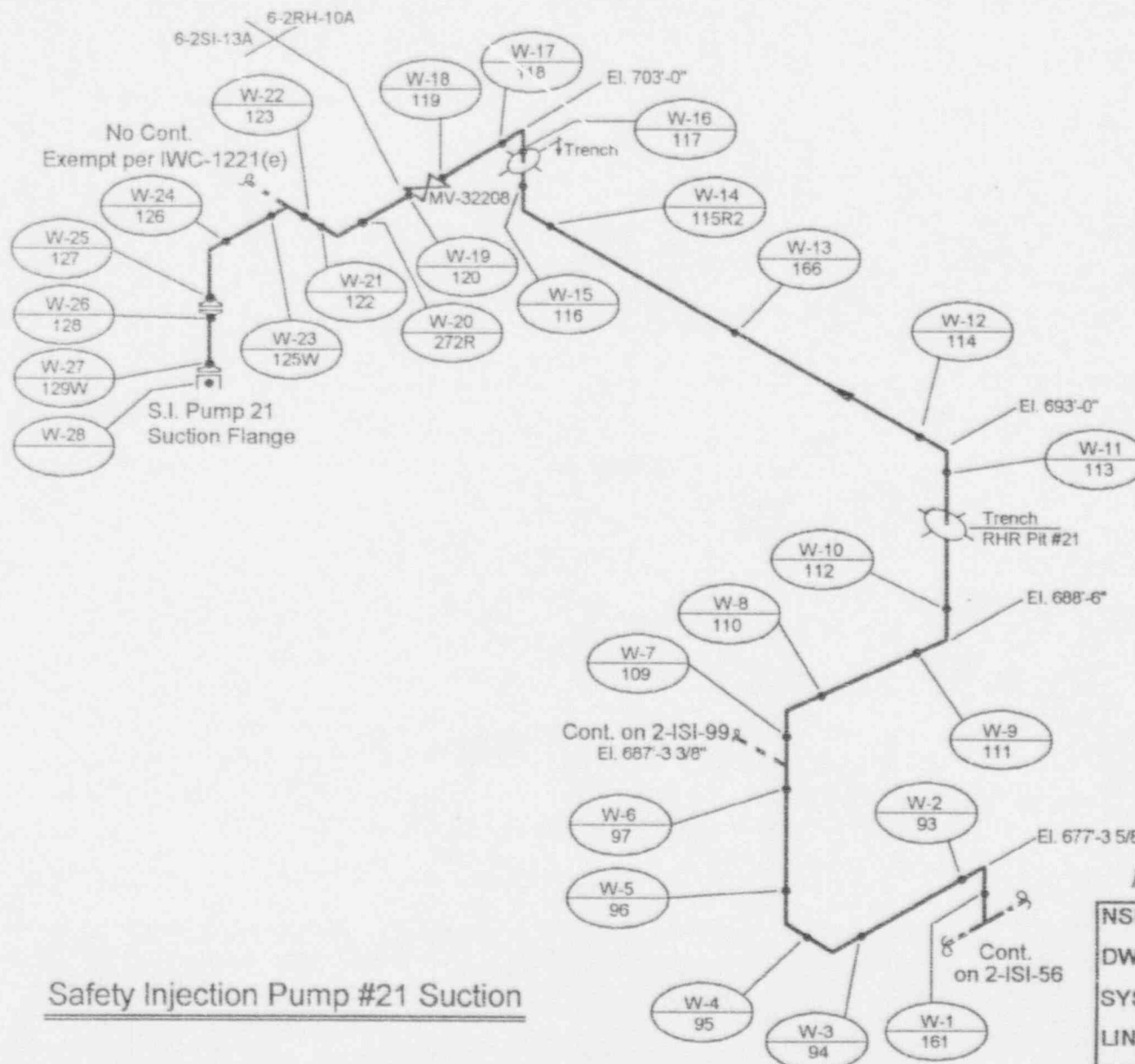
DWG NO: 2-ISI-60B REV: 0



Safety Injection Pump 22 Suction

REF. DWG: XH-1106-2509

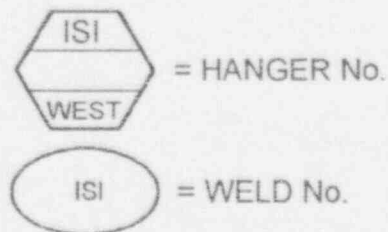
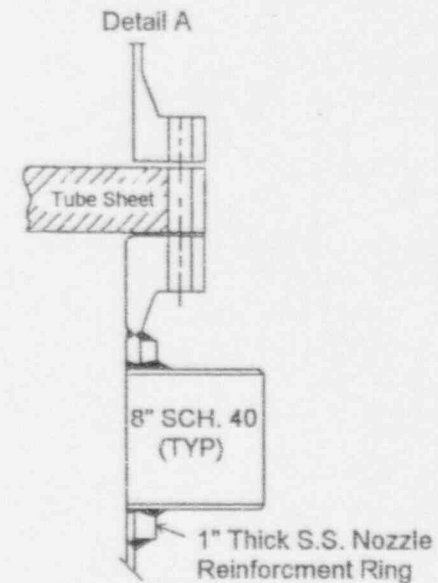
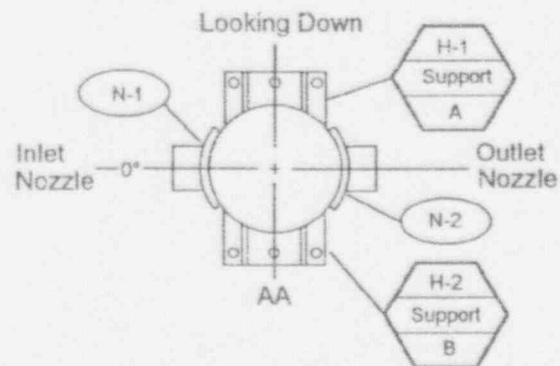
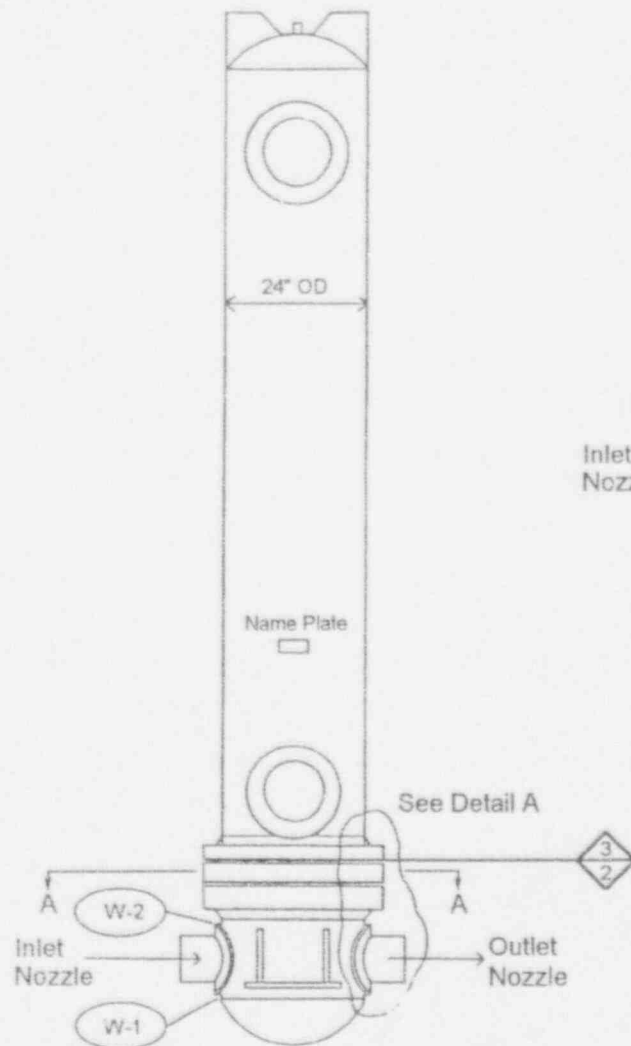
NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: AGS	CHKD: Mv
APPD: <i>[Signature]</i>	
SYSTEM: Safety Injection Pump #22 Suction	
LINE NO: 6-2RH-10B, 6-2SI-13B	
DWG NO: 2-ISI-62	REV: 4



Safety Injection Pump #21 Suction

REF. DWG: XH-1106-2509

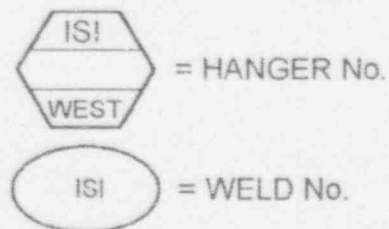
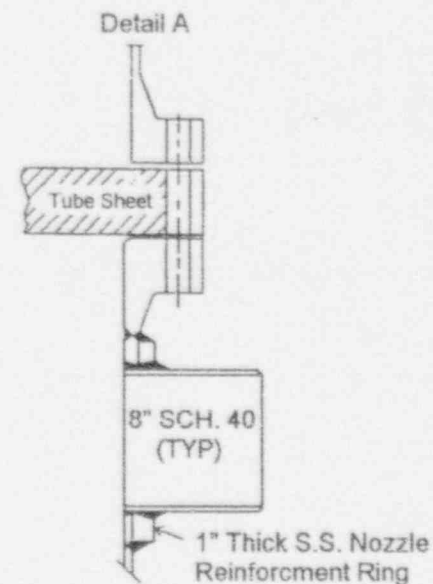
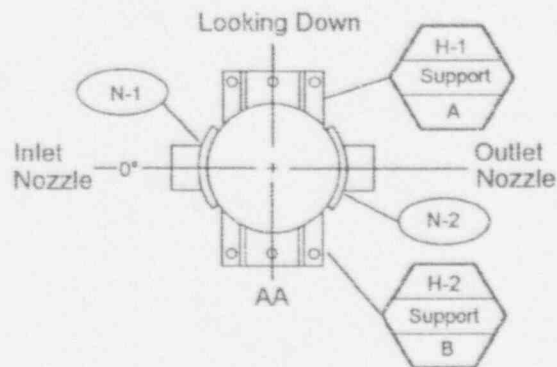
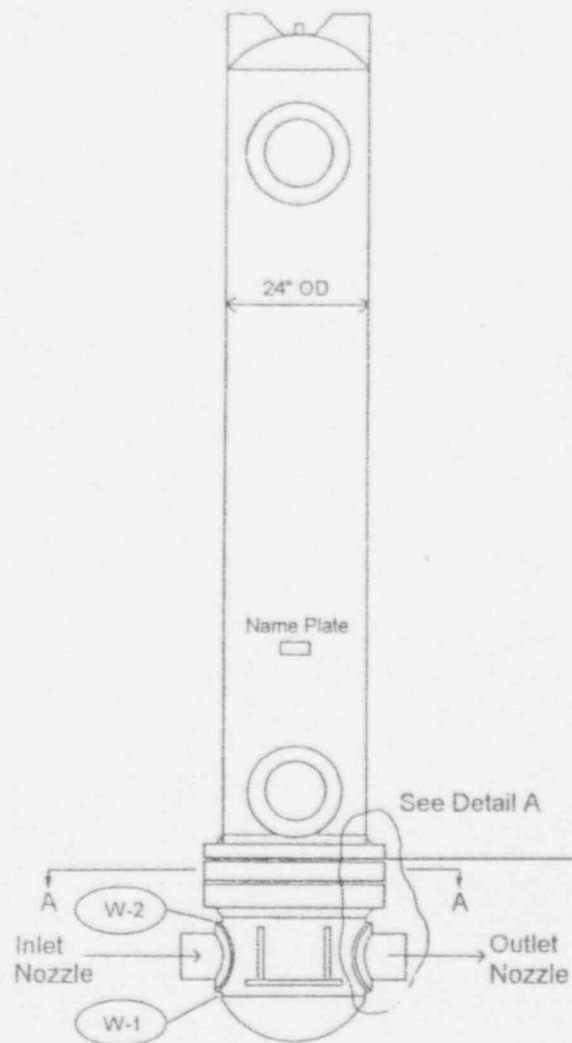
NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: AGS	CHKD: M ✓
APPD: CHK	
SYSTEM: Safety Injection Pump #21 Suction	
LINE NO: 6-2RH-10A, 6-2SI-13A	
DWG NO: 2-ISI-64	REV: 4



REF. DWG: XH-1-215
XH-1001-1022 (manual)

Residual Heat Exchanger 21

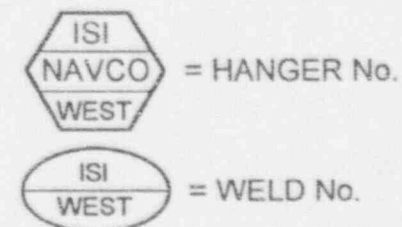
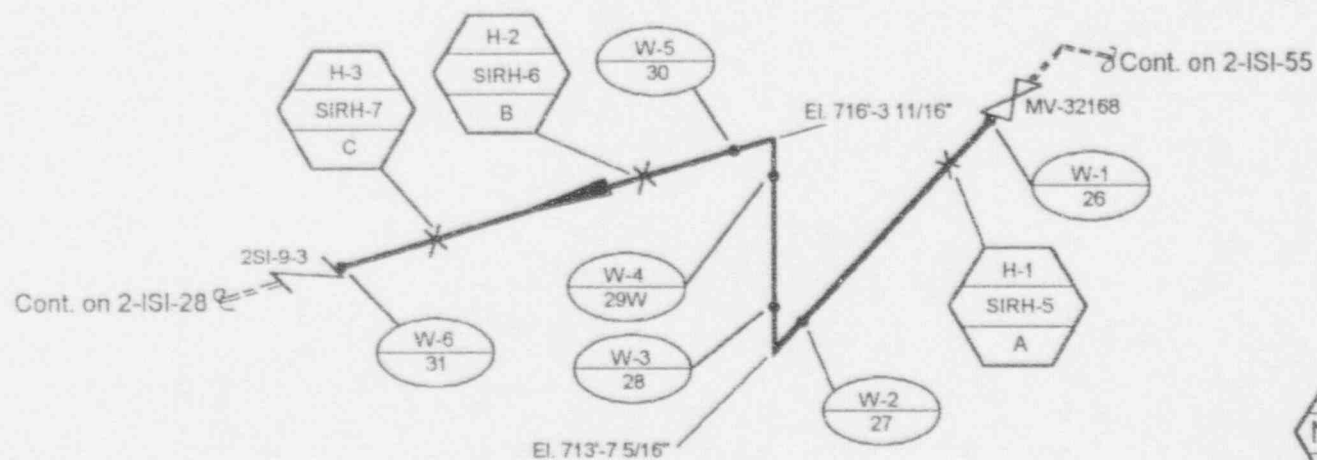
NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: AGS	CHKD: MV APPD: <i>OK</i>
SYSTEM: <u>Residual Heat Exchanger 21</u>	
LINE NO: ~	
DWG NO: <u>2-ISI-69A</u>	REV: <u>0</u>



Residual Heat Exchanger 22

REF. DWG: XH-1-215
XH-1001-1022 (manual)

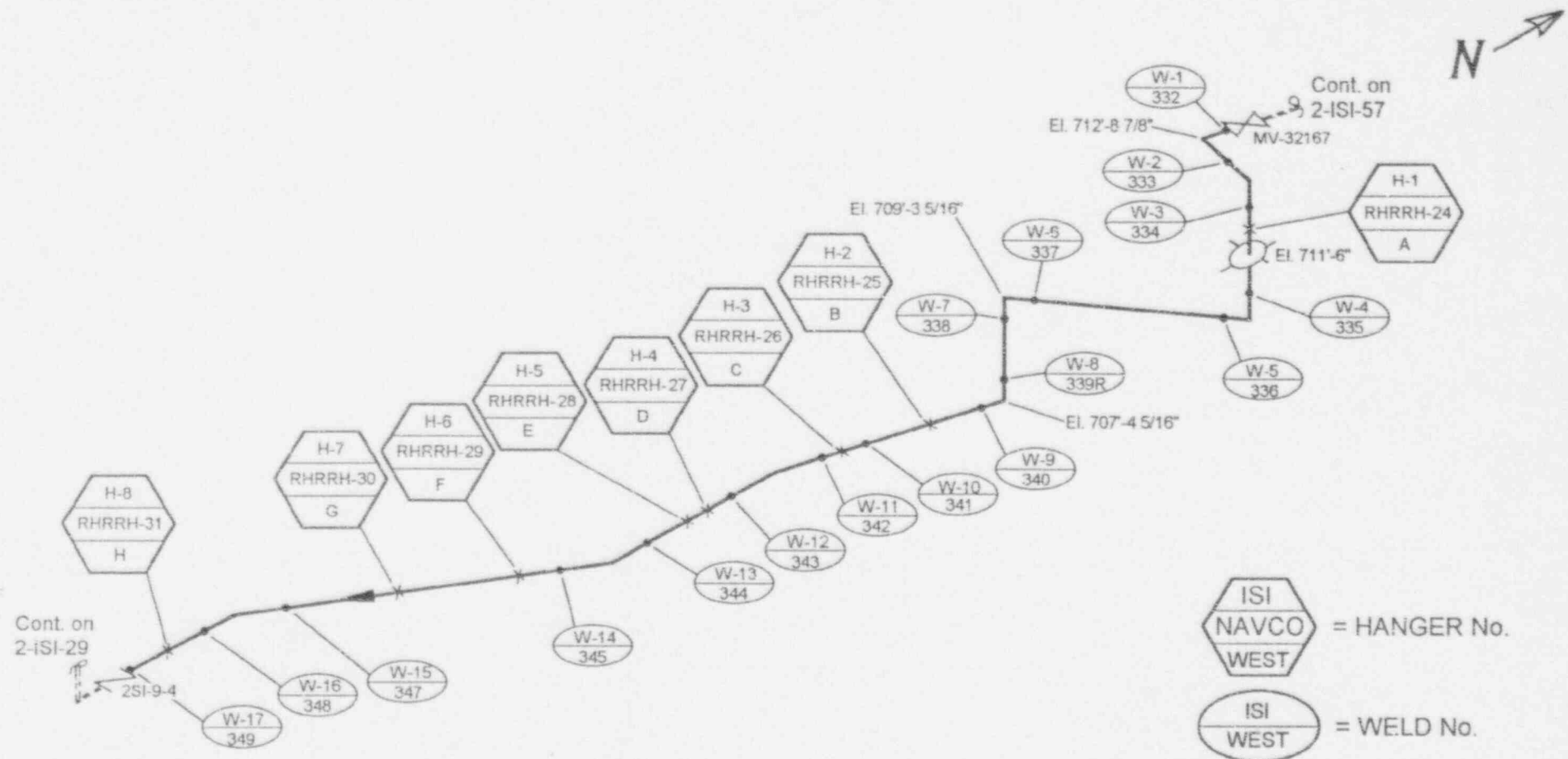
NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: AGS	CHKD: MV APPD: <i>CMC</i>
SYSTEM: <u>Residual Heat Exchanger 22</u>	
LINE NO: ~	
DWG NO: <u>2-ISI-69B</u>	REV: <u>0</u>



Reactor Vessel Safety Injection

REF. DWG: XH-1106-2517

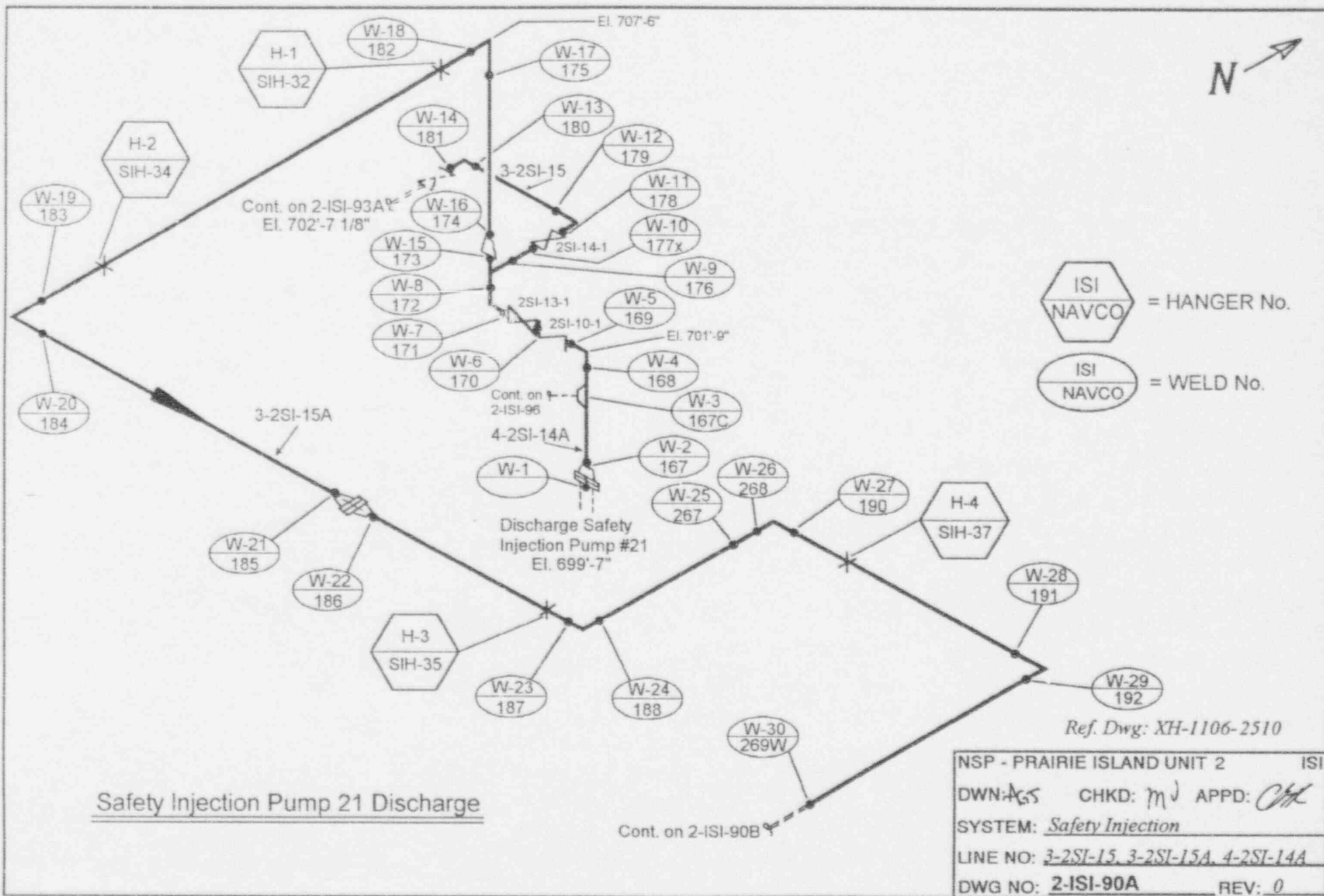
NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>AKS</i>	CHKD: <i>mv</i> APPD: <i>CH</i>
SYSTEM: <u>Reactor Vessel Safety Injection</u>	
LINE NO: <u>6-2SI-25B</u>	
DWG NO: <u>2-ISI-70</u>	REV: <u>4</u>

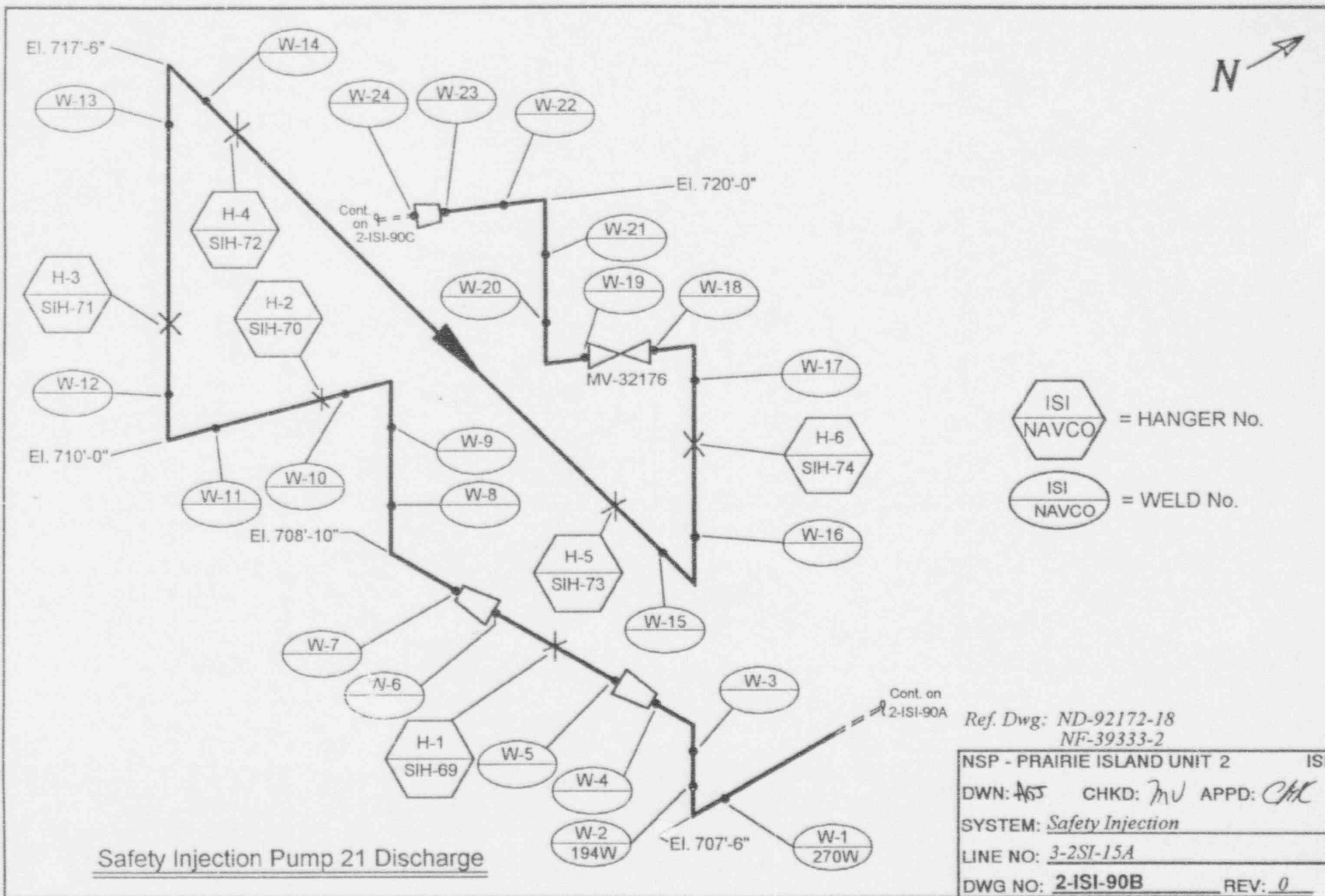


Reactor Vessel Safety Injection

REF. DWG: XH-1106-2553

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: AGS	CHKD: MW APPD: CM
SYSTEM: <u>Reactor Vessel Safety Injection</u>	
LINE NO: <u>6-2SI-25A</u>	
DWG NO: <u>2-ISI-72</u>	REV: <u>4</u>



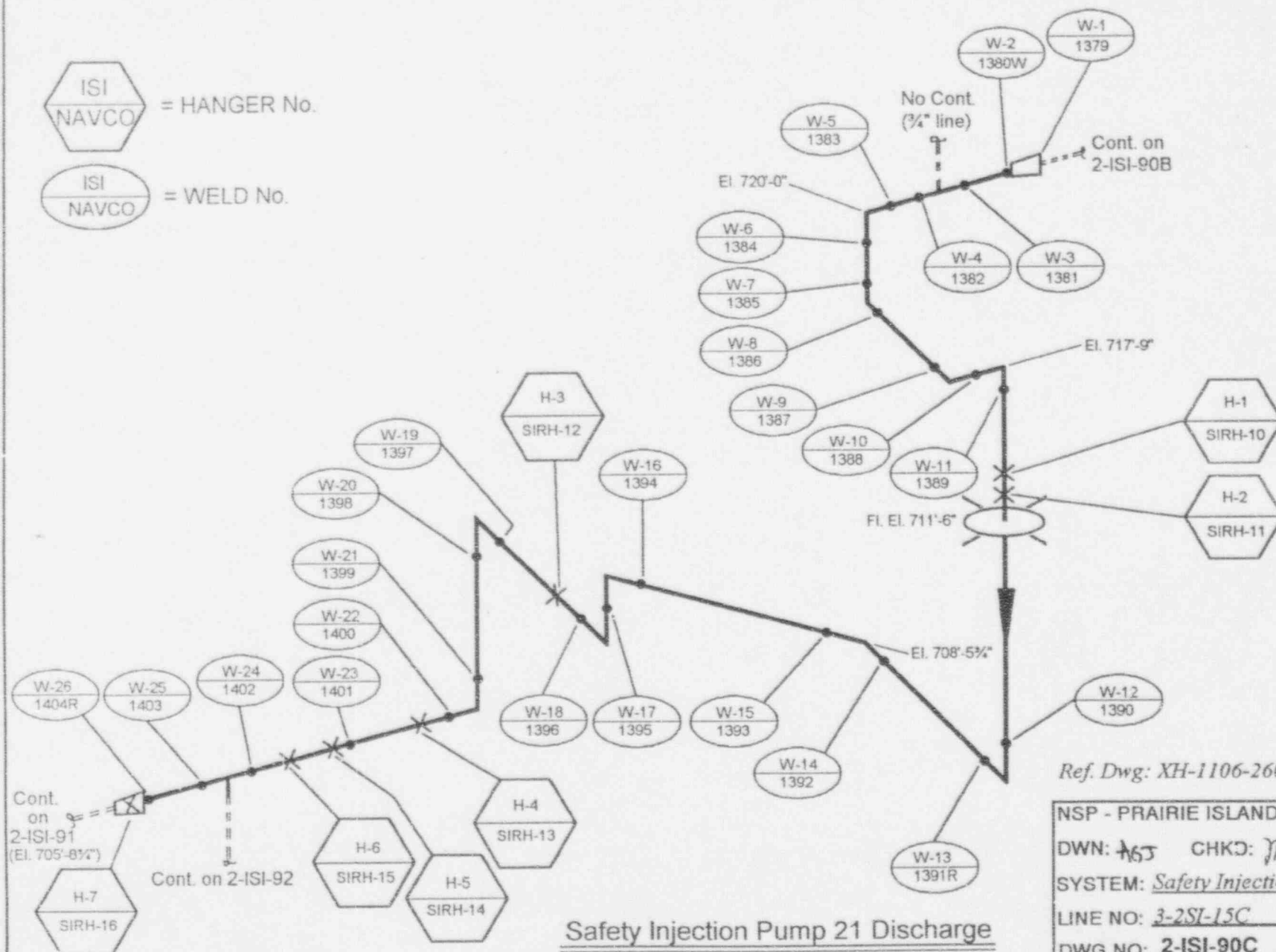




= HANGER No.



= WELD No.



Ref. Dwg: XH-1106-2601



NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>MS</i>	CHKD: <i>mv</i> APPD: <i>CHC</i>
SYSTEM: <i>Safety Injection</i>	
LINE NO: <i>3-2SI-15C</i>	
DWG NO: <i>2-ISI-90C</i>	REV: <i>0</i>

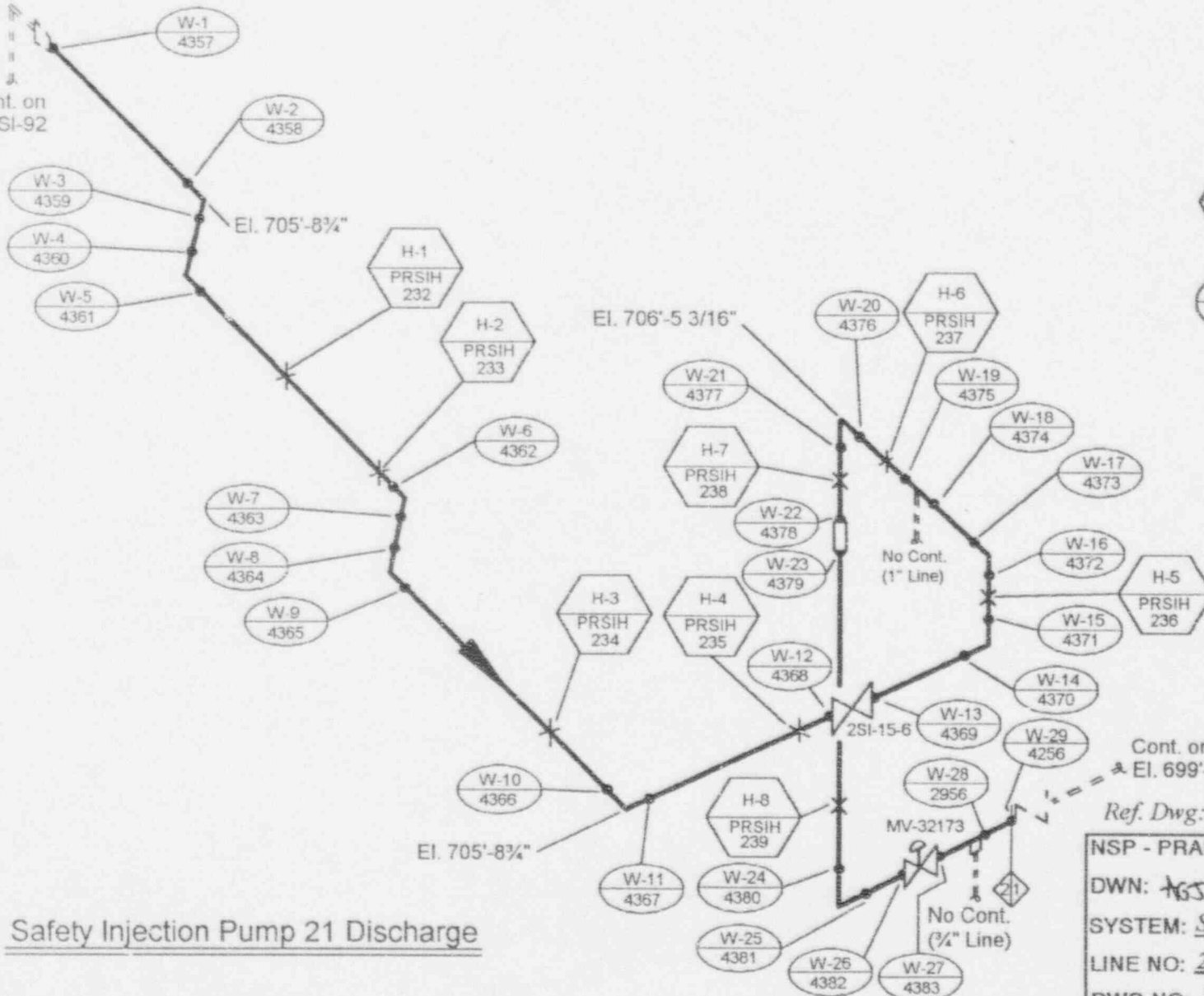
Safety Injection Pump 21 Discharge

Cont. on 2-ISI-90C

Cont. on
2-ISI-92



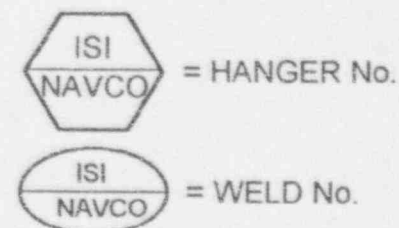
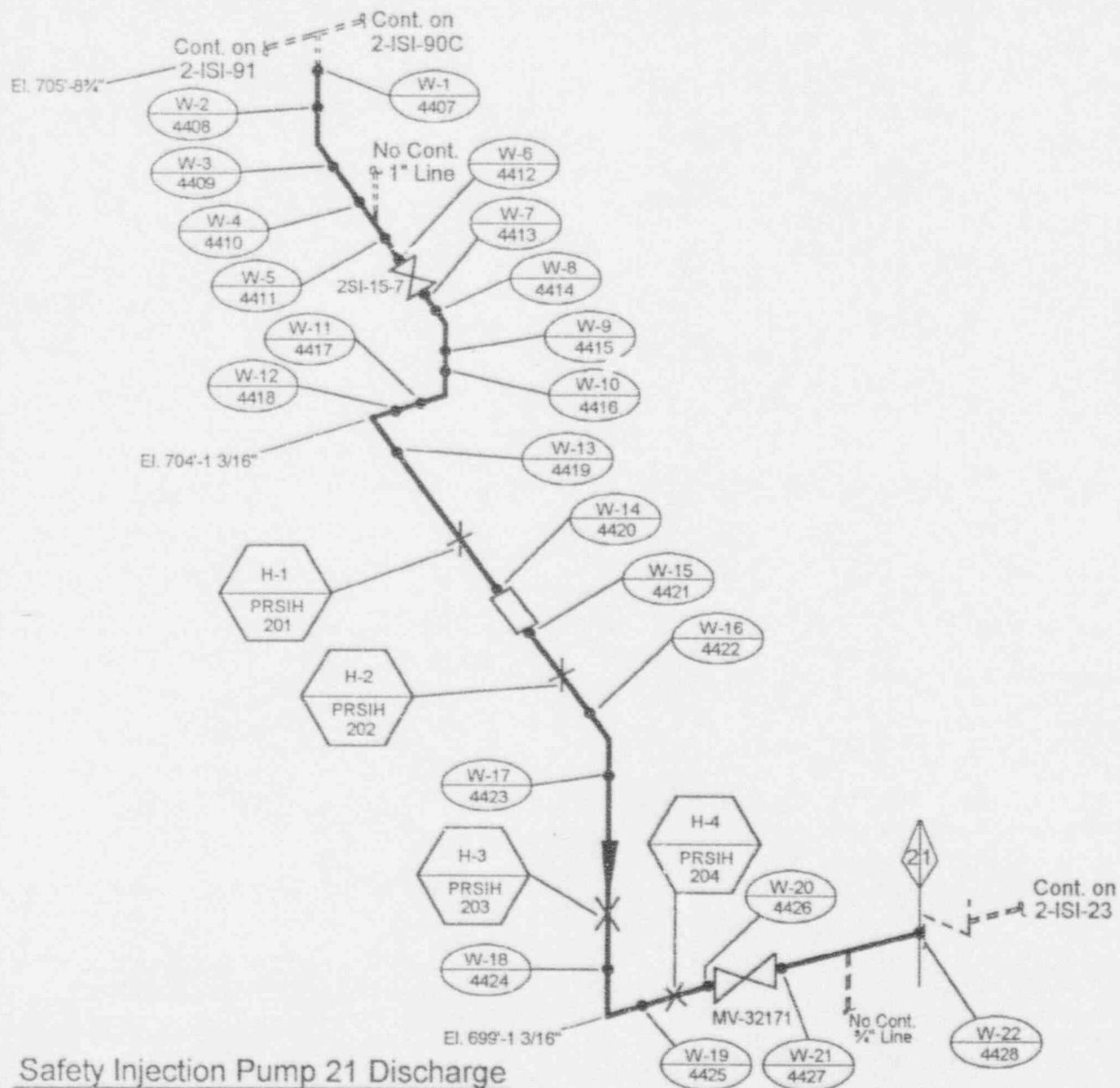
 = HANGER No.
 = WELD No.



Safety Injection Pump 21 Discharge

Cont. on 2-ISI-5
 El. 699'-1 3/16"
 Ref. Dwg: XH-1106-2704, 2705, 2706

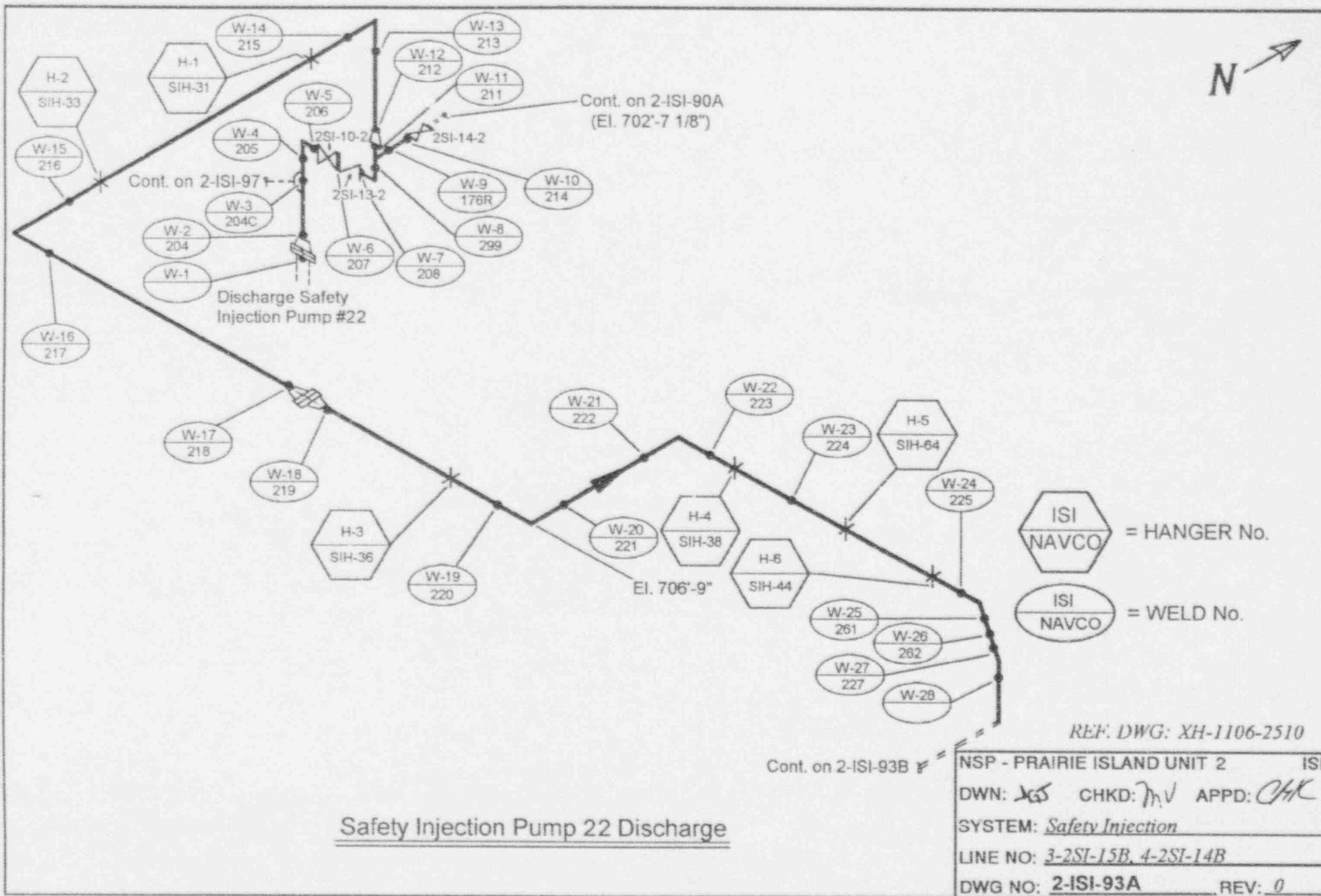
NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>AGS</i>	CHKD: <i>m</i> APPD: <i>CHC</i>
SYSTEM: <i>Safety Injection</i>	
LINE NO: <i>2-2SI-21A</i>	
DWG NO: <i>2-ISI-91</i>	REV: <i>0</i>



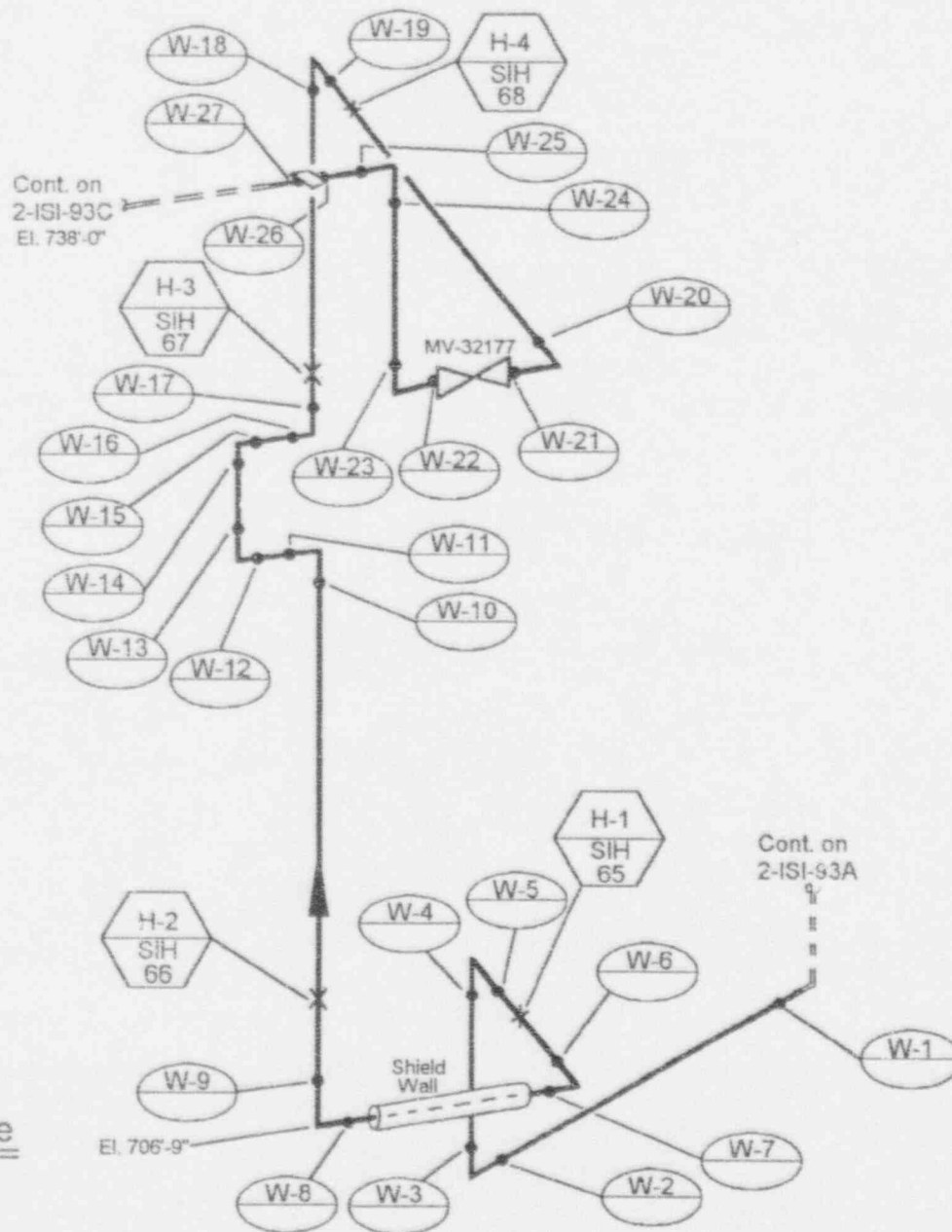
REF. DWG: XH-1106-2707
XH-1106-2708

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: AGS	CHKD: MV APPD: CHC
SYSTEM: <u>Safety Injection</u>	
LINE NO: <u>2-2SI-21B</u>	
DWG NO: <u>2-ISI-92</u>	REV: <u>0</u>



Safety Injection Pump 21 Discharge



Safety Injection Pump 22 Discharge

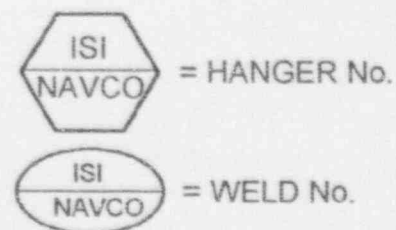
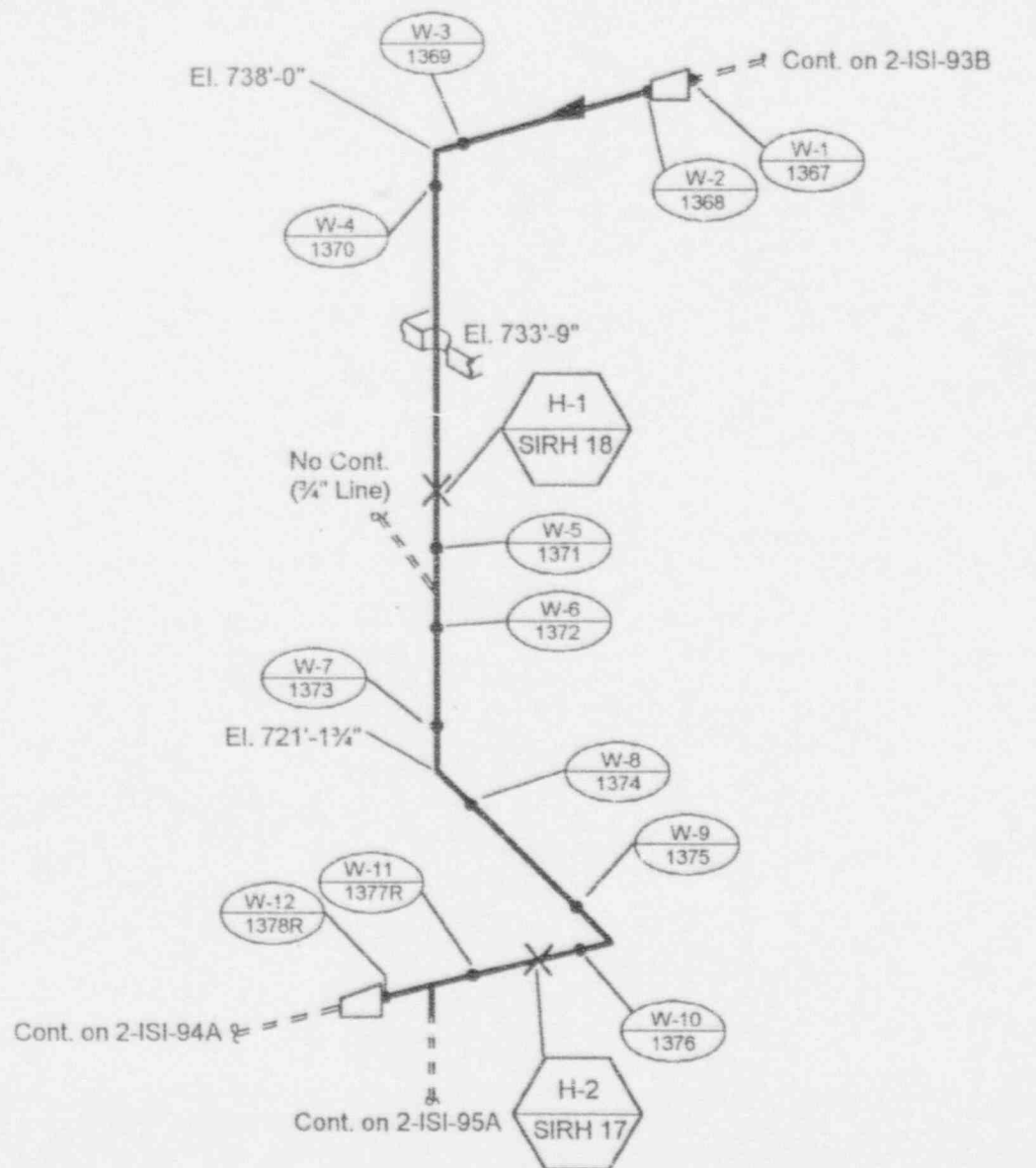


Safety Injection
Pump 22 Discharge

 = HANGER No.
 = WELD No.

REF. DWG: ND-92172-17
NF-39333-2

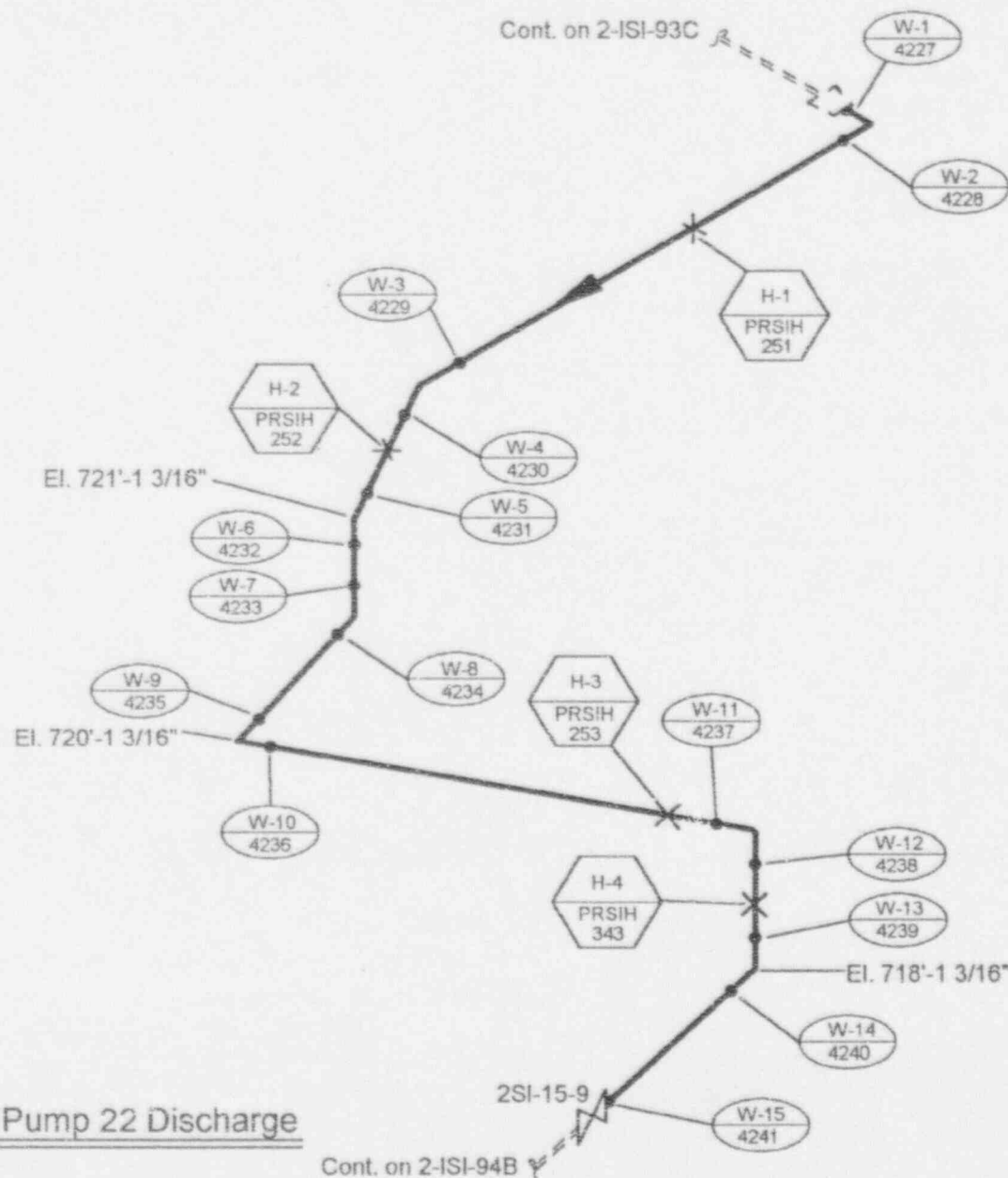
NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>AGS</i>	CHKD: <i>MV</i> APPD: <i>CAF</i>
SYSTEM: <i>Safety Injection</i>	
LINE NO: <i>3-2SI-15B</i>	
DWG NO: <i>2-ISI-93B</i>	REV: <i>0</i>



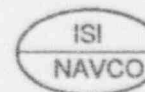
REF. DWG: XH-1106-2601

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>A65</i>	CHKD: <i>hvj</i> APPD: <i>CHK</i>
SYSTEM: <i>Safety Injection</i>	
LINE NO: <i>3-2SI-15D</i>	
DWG NO: <i>2-ISI-93C</i>	REV: <i>0</i>

Safety Injection Pump 22 Discharge



= HANGER No.



= WELD No.

Safety Injection Pump 22 Discharge

Ref. Dwg: XH-1106-2699

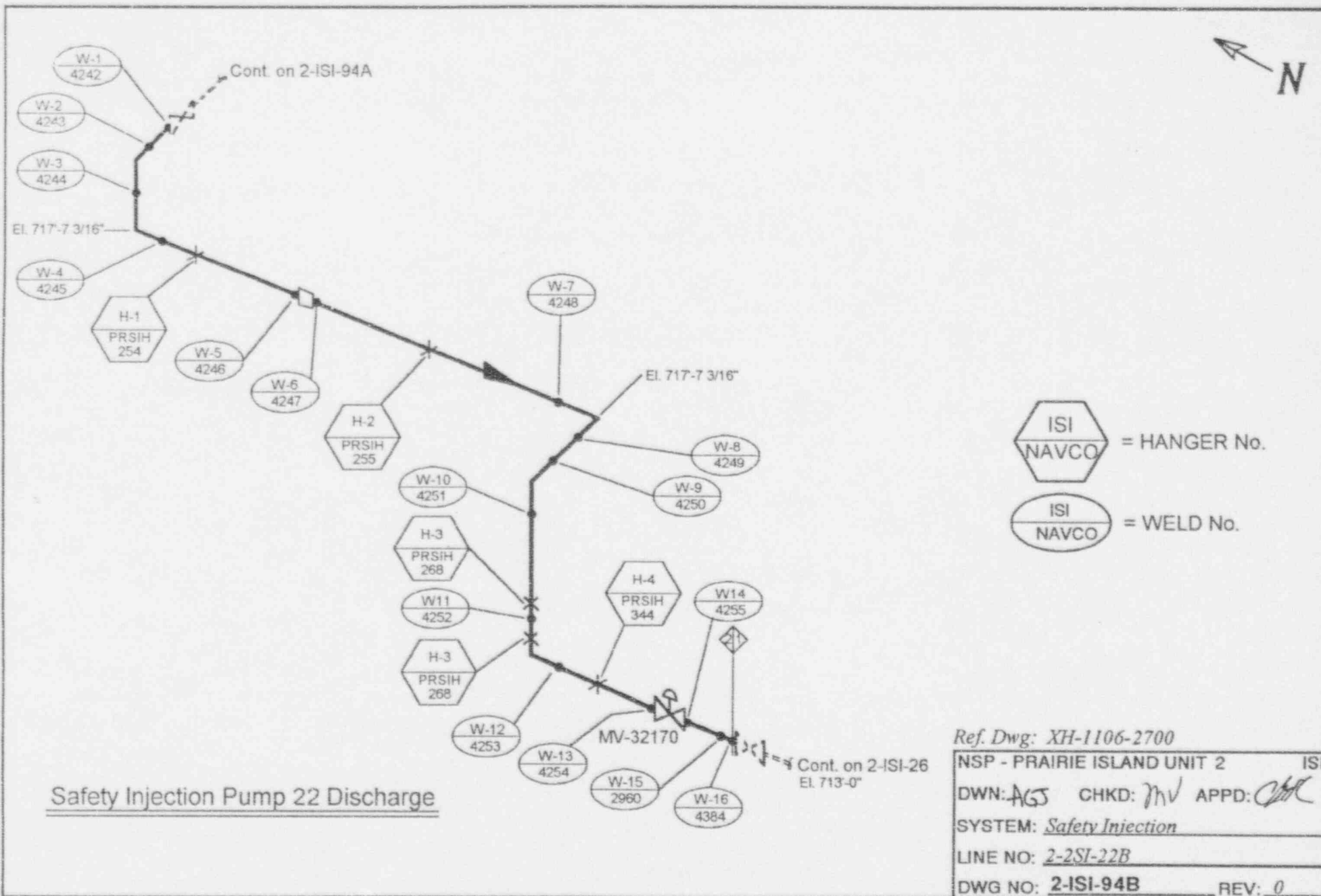
NSP - PRAIRIE ISLAND UNIT 2 ISI

C. IN: *AKS* CHKD: *RV* APPD: *CHK*

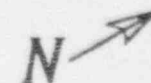
SYSTEM: Safety Injection

LINE NO: 2-2SI-22B

DWG NO: 2-ISI-94A REV: 0



Cont. on 2-ISI-93C



W-1
4160
Cont. on
2-ISI-94A
El. 721'-1 1/2"

H-1
PRSIH
256

W-2
2597

W-3
4161

W-4
4162

W-5
4163

El. 708'-8 3/16"

W-6
4164

W-7
4165

H-2
PRSIH
257

W-12
4170

W-8
4166

W-9
4167

W-10
4168

W-11
4169

W-14
4172

W-15
4173

W-16
4341

H-3
PRSIH
258

Cont. on
2-ISI-95B

W-18
4175

El. 706'-7 3/16"

W-17
4174

H-5
PRSIH
224

H-4
PRSIH
223

Safety Injection Pump 22 Discharge

ISI
NAVCO = HANGER No.
ISI
NAVCO = WELD No.

Ref. Dwg: XH-1106-2694, 2695

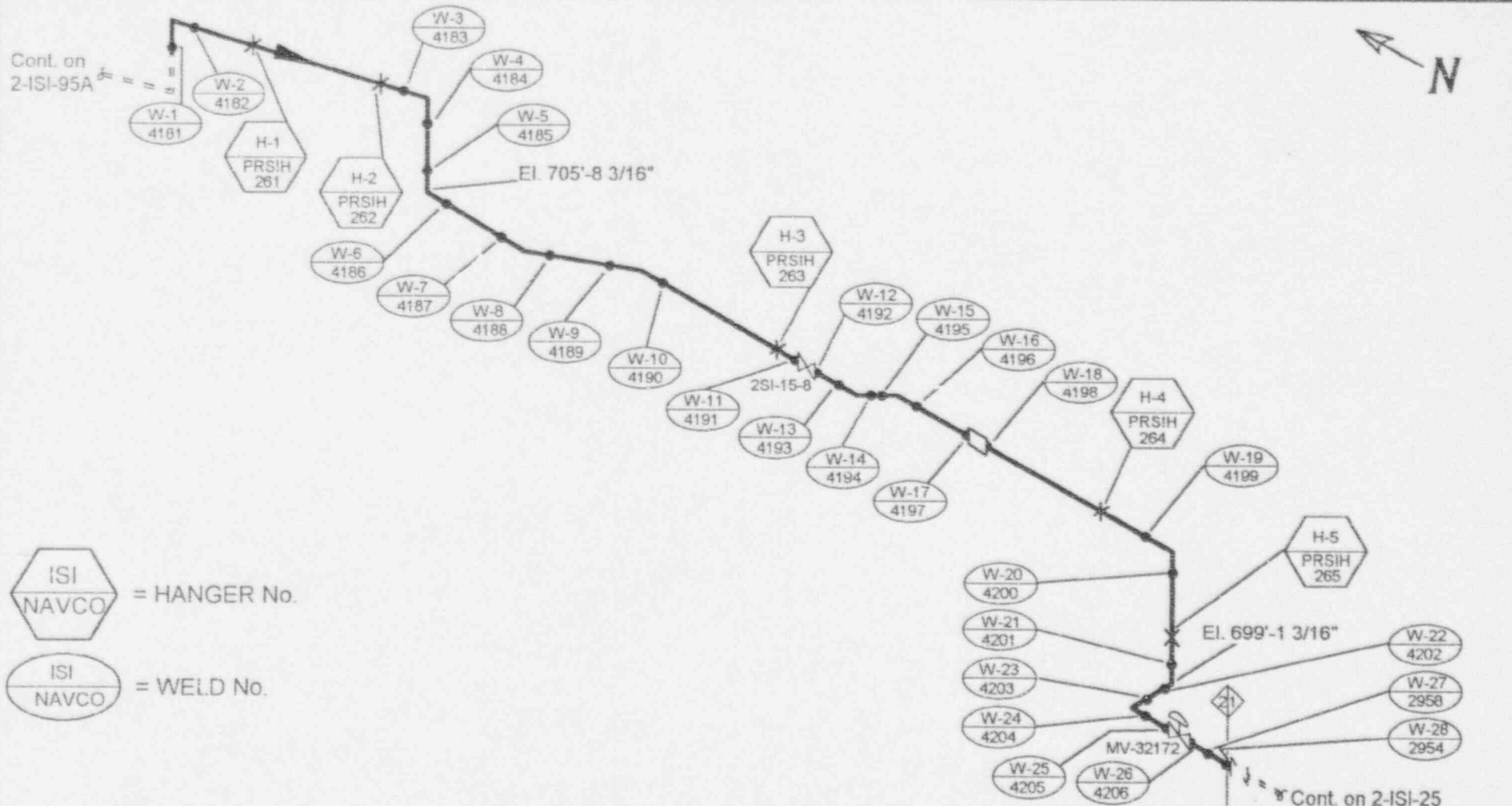
NSP - PRAIRIE ISLAND UNIT 2 ISI

DWN: *AKS* CHKD: *mv* APPD: *CH*

SYSTEM: *Safety Injection*

LINE NO: *2-2SI-22A*

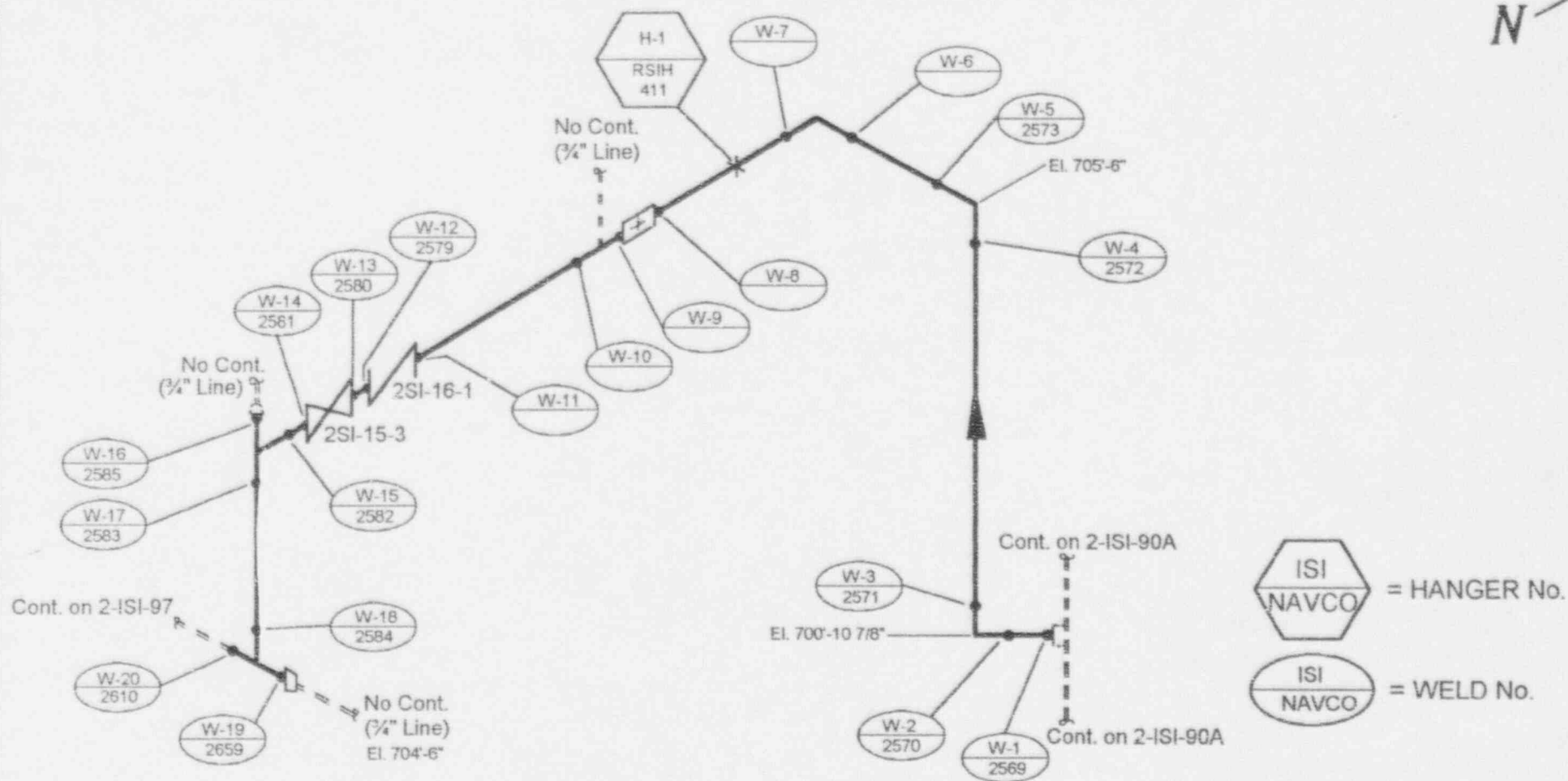
DWG NO: *2-ISI-95A* REV: *0*



Safety Injection Pump 22 Discharge

Ref. Dwg: XH-1106-2696, 2697, 2698

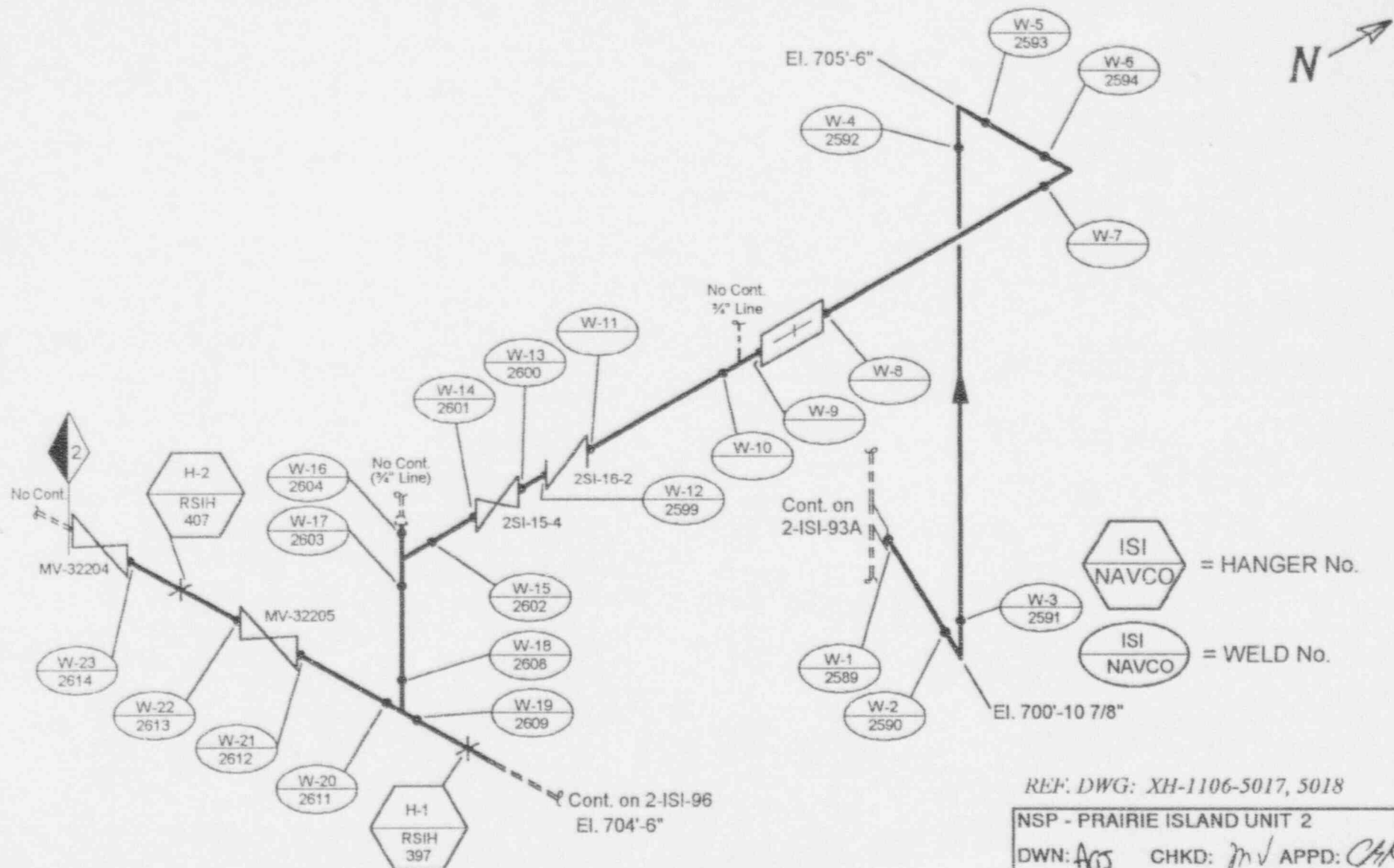
NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>AGS</i>	CHKD: <i>MV</i> APPD: <i>CHK</i>
SYSTEM: <i>Safety Injection</i>	
LINE NO: <i>2-2SI-22A</i>	
DWG NO: 2-ISI-95B	REV: <i>0</i>



Safety Injection Test Line

REF. DWG: XH-1106-5015, 5016

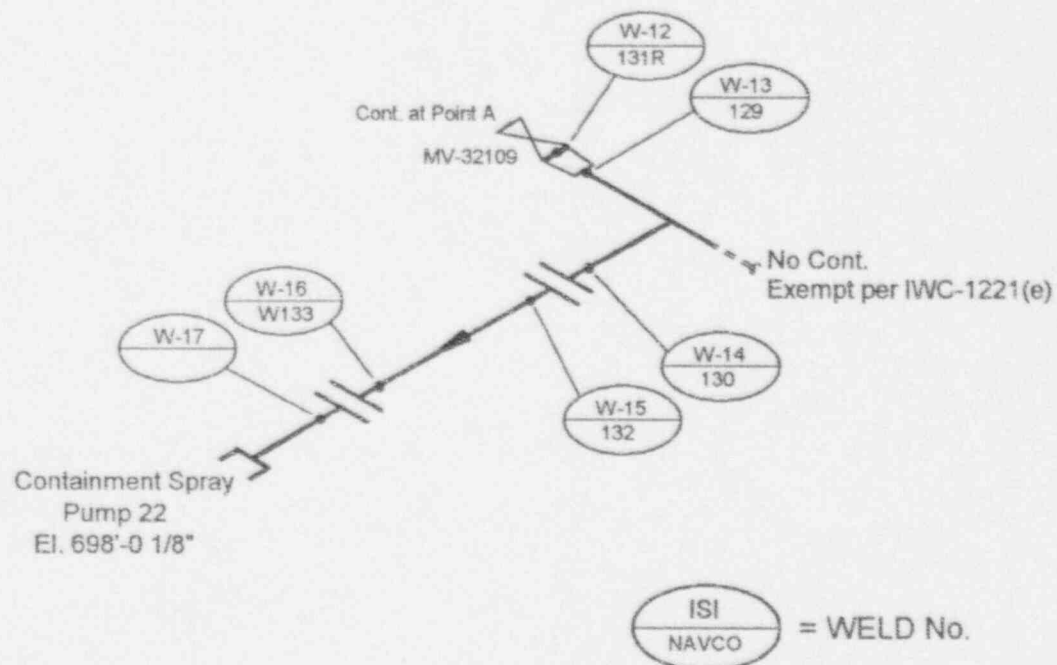
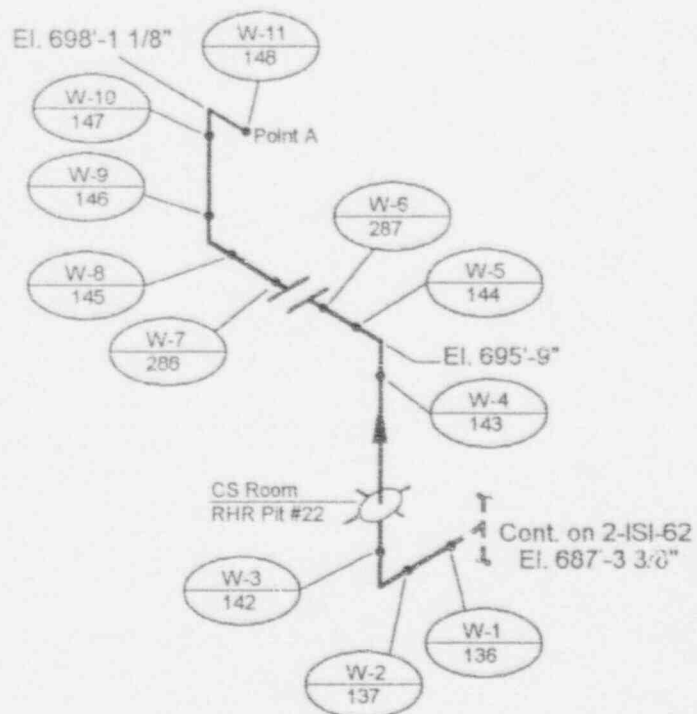
NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>AGS</i>	CHKD: <i>NAV</i> APPD: <i>OK</i>
SYSTEM: <i>Safety Injection</i>	
LINE NO: <i>2-2SI-16A</i>	
DWG NO: <i>2-ISI-96</i>	REV: <i>0</i>



Safety Injection Test Line

REF. DWG: XH-1106-5017, 5018

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: AGS	CHKD: mV APPD: CHK
SYSTEM: <u>Safety Injection</u>	
LINE NO: <u>2-2SI-16B, 2-2SI-6</u>	
DWG NO: <u>2-ISI-97</u>	REV: <u>0</u>

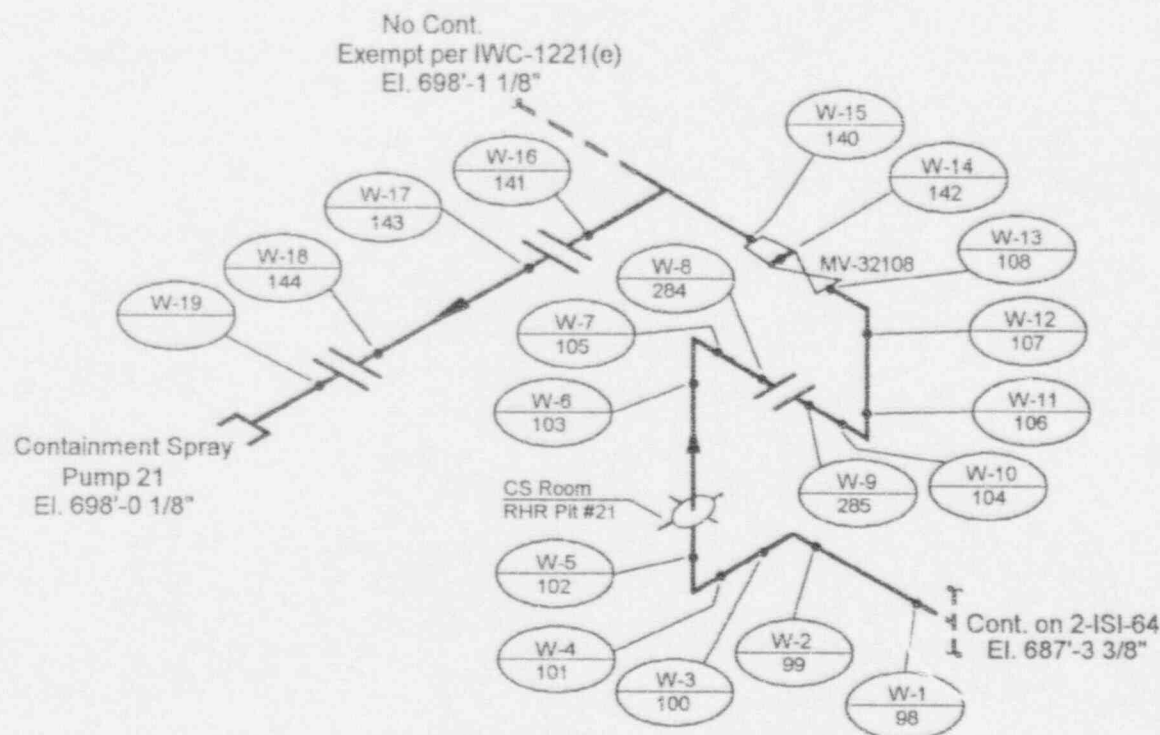
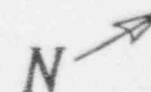


ISI
NAVCO = WELD No.

Containment Spray Pump 22 Suction

REF. DWGS: XH-1106-2509
XH-1106-1825

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>KS</i>	CHKD: <i>mv</i> APPD: <i>CH</i>
SYSTEM: <u>Containment Spray</u>	
LINE NO: _____	
DWG NO: <u>2-ISI-98</u>	REV: <u>0</u>

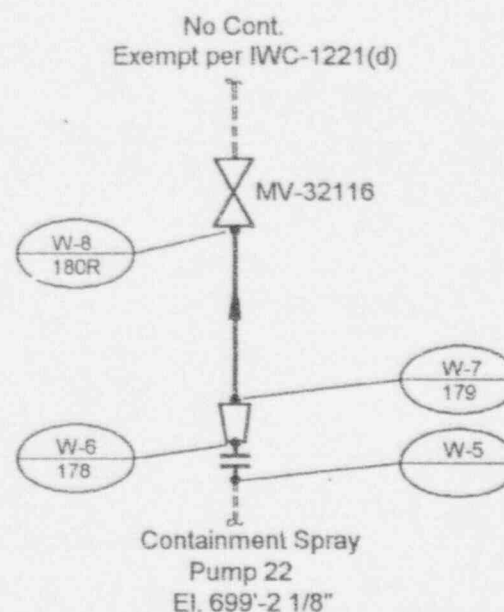
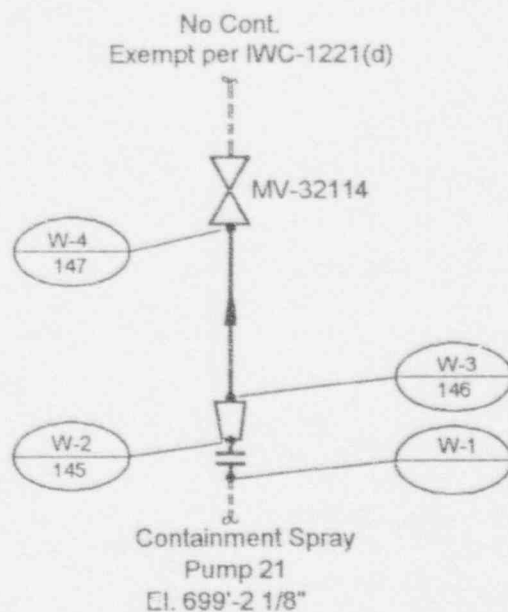
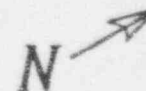


ISI
NAVCO = WELD No.

REF. DWGS: XH-1106-2509
XH-1106-1825

Containment Spray Pump 21 Suction

NSP - PRAIRIE ISLAND UNIT 2	ISI
DWN: <i>AS</i>	CHKD: <i>YN</i> APPD: <i>CHK</i>
SYSTEM: <u>Containment Spray</u>	
LINE NO: _____	
DWG NO: <u>2-ISI-99</u>	REV: <u>0</u>



ISI
NAVCO = WELD No.

Containment Spray Pumps Discharge

REF. DWGS: XH-1106-1826

NSP - PRAIRIE ISLAND UNIT 2		ISI
DWN: <i>AKS</i>	CHKD: <i>IN</i>	APPD: <i>CH</i>
SYSTEM: <i>Containment Spray</i>		
LINE NO: _____		
DWG NO: <i>2-ISI-100</i>		REV: <i>0</i>

INSERVICE INSPECTION PLAN AND SCHEDULE

The following are notes applicable to the following table, entitled "Prairie Island Nuclear Generating Plant - Unit 2 Inservice Inspection Program Plan and Schedule."

General Notes:

- AA. Components may be rescheduled within the same period. Longitudinal welds are examined with the associated circumferential welds.
- BB. All applicable hanger and attachment weld examinations will be performed on a given hanger at the same time (i.e. F-A represents all required exams per hanger).
- CC. C X, XX are items exempted from inspection per Table IWC-2500-1, Item C 5. 10, C 5. 40, C 5. 50 and C 5. 80, but are included in the total population.
- DD. The system leakage tests described by Section XI, Items B15.10, B15.20, B15.30, B15.40, B15.50, B.15.60, B.15.70, C 7.10, C 7.30, C 7.50 and C 7.70 are performed during refueling outage in accordance with Prairie Island Unit 2 plant procedures. Record information of examination results are maintained by the Plant.
- EE. The system hydrostatic tests described by Section XI, Items B15.11, B15.21, B15.31, B.15.41, B.15.51, B.15.61, B.15.71, C 7.20, C 7.40, C 7.60, C 7.80, D 1.10, D 2.10 and D 3.10 are performed at, or near, the end of each Interval in accordance with Prairie Island Unit 2 plant procedures. Record information of examination results are maintained by the Plant.
- FF. The system function 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 Prairie Island Unit 2 plant procedures. Record information of examination results are maintained by the Plant.

NDE Notes used on the following Table:

- A. The internal surface visual examination is done during maintenance: Darling Check Valves - Accumulator Discharge: VT-1 of one valve.

- B. The internal surface visual examination is done during maintenance:
Velan Motor Operated Gate Valves - Residual Heat Removal: VT-1 of one valve.
- C. The internal surface visual examination is done during maintenance:
Velan Check Valves - Safety Injection: VT-1 of one valve.
- D. The internal surface visual examination is done during maintenance:
Darling Motor Operated Gate Valve - Residual Heat Removal: VT-1 of one valve in each size.
- E. The internal surface visual examination is done during maintenance:
Crosby Relief Valve - Pressurizer Safety: VT-1 of one valve.
- G. Dissimilar metal weld.
- H. Encapsulated.
- I. Enclosed in guard pipe.

Inservice Inspection Plan and Schedule
Prairie Island Nuclear Generating Plant, Unit 2
Third Ten-Year
ASME Sec XI Code Ed. 1989

15 System	Item Item Description	ASME Item Number	Method	Relief Requests & Notes	Schedule									
					95	97	98	00	02	04	XX	XX	XX	
1106- 47 Main Steam A	MS-49/LSUD Pipe to Pipe	HELB	MT UT							S				
1106- 47 Main Steam A	MS-50/LSUD Pipe to Pipe	HELB	MT UT							S				
1106- 47 Main Steam A	MS-81/LSU Pipe to Turb Inlet	HELB	MT UT							S				
1106- 48 Main Steam B	MS-160 Pipe to Turb Inlet	HELB	MT UT							S				
1106-245 Feedwater B	FW- 1 Pump to Pipe	HELB	MT UT							S				
1106-245 Feedwater B	FW- 2 Valve to Pipe	HELB	MT UT							S				
1106-246 Feedwater B	FW-108 Valve to Pipe	HELB	MT UT							S				
1106-246 Feedwater B	FW-114 Pipe to Valve	HELB	MT UT							S				
1106-246 Feedwater B	FW-115 Pipe to Valve	HELB	MT UT							S				
2-ISI- 1A Seal Injection A	B- 1 Flange Bolts	B 7. 50	VT1			S								
2-ISI- 1A Seal Injection A	B- 2 Flange Bolts	B 7. 50	VT1				S							
2-ISI- 1A Seal Injection A	H- 1 Rigid Restraint	F-A, CL 1	VT3											
2-ISI- 1A Seal Injection A	H- 2 Snubber	F-A, CL 1	VT3											
2-ISI- 1A Seal Injection A	H- 3 Rigid Restraint	F-A, CL 1	VT3											
2-ISI- 1A Seal Injection A	H- 4 Restraint	F-A, CL 1	VT3				S							
2-ISI- 1A Seal Injection A	H- 5 Spring Hanger	F-A, CL 1	VT3				S							
2-ISI- 1A Seal Injection A	H- 6 Rupture Restraint	F-A, CL 1	VT3											
2-ISI- 1A Seal Injection A	W- 1 Pipe To Elbow	B 9. 21	PT											
2-ISI- 1A Seal Injection A	W- 2 Elbow To Pipe	B 9. 21	PT											
2-ISI- 1A Seal Injection A	W- 3 Pipe To 45 Elbow	B 9. 21	PT											
2-ISI- 1A Seal Injection A	W- 4 45 Elbow To Pipe	B 9. 21	PT		S									
2-ISI- 1A Seal Injection A	W- 5 Pipe To Elbow	B 9. 21	PT											
2-ISI- 1A Seal Injection A	W- 6 Elbow To Pipe	B 9. 21	PT											
2-ISI- 1A Seal Injection A	W- 7 Pipe To Elbow	B 9. 21	PT											
2-ISI- 1A Seal Injection A	W- 8 Elbow To Pipe	B 9. 21	PT											
2-ISI- 1A Seal Injection A	W- 9 Pipe To Elbow	B 9. 21	PT											
2-ISI- 1A Seal Injection A	W-10 Elbow To Pipe	B 9. 21	PT				S							
2-ISI- 1A Seal Injection A	W-11 Pipe To Elbow	B 9. 21	PT				S							
2-ISI- 1A Seal Injection A	W-12 Elbow To Pipe	B 9. 21	PT											
2-ISI- 1A Seal Injection A	W-13 Pipe To Valve	B 9. 40	PT											
2-ISI- 1A Seal Injection A	W-14 Valve To Pipe	B 9. 40	PT											
2-ISI- 1A Seal Injection A	W-15 Pipe To Valve	B 9. 40	PT				S							
2-ISI- 1A Seal Injection A	W-16 Valve To Pipe	B 9. 40	PT											
2-ISI- 1A Seal Injection A	W-17 Pipe To Reducer	B 9. 21	PT											
2-ISI- 1A Seal Injection A	W-18 Reducer To Tee	B 9. 21	PT											
2-ISI- 1A Seal Injection A	W-19 Tee-To-Reducer	B 9. 21	PT											
2-ISI- 1A Seal Injection A	W-20 Tee To Flange	B 9. 21	PT											

Inservice Inspection Plan and Schedule
Prairie Island Nuclear Generating Plant, Unit 2
Third Ten-Year
ASME Sec XI Code Ed. 1989

ISO System	Item Description	ASME Item Number	Method	Relief Requests & Notes	Schedule									
					95	97	98	00	02	04	XX	XX	XX	XX
2-ISI- 1A Seal Injection A	W-21 Flange To Pipe	B 9. 21	PT			S								
2-ISI- 1A Seal Injection A	W-22 Pipe To Flange	B 9. 21	PT											
2-ISI- 1A Seal Injection A	W-23 Flange To-Pipe	B 9. 21	PT											
2-ISI- 1A Seal Injection A	W-24 Pipe To Pump	B 9. 21	PT					S						
2-ISI- 1B Seal Injection A	H- 1 Snubber/Clamp	F-A, CL I	VT3							S				
2-ISI- 1B Seal Injection A	H- 2 Rigid Restraint	F-A, CL I	VT3											
2-ISI- 1B Seal Injection A	H- 3 Rigid Restraint	F-A, CL I	VT3											
2-ISI- 1B Seal Injection A	H- 4 Rigid Restraint	F-A, CL I	VT3											
2-ISI- 1B Seal Injection A	H- 5 Rigid Hanger	F-A, CL I	VT3											
2-ISI- 1B Seal Injection A	H- 6 Rigid Hanger	F-A, CL I	VT3											
2-ISI- 1B Seal Injection A	H- 7 Axial Restraint	F-A, CL I	VT3											
2-ISI- 1B Seal Injection A	H- 8 Rigid Restraint	F-A, CL I	VT3		S									
2-ISI- 1B Seal Injection A	H- 9 Lateral Restraint	F-A, CL I	VT3											
2-ISI- 1B Seal Injection A	W- 1 Pipe To Elbow	B 9. 21	PT											
2-ISI- 1B Seal Injection A	W- 2 Elbow To Pipe	B 9. 21	PT											
2-ISI- 1B Seal Injection A	W- 3 Pipe To Elbow	B 9. 21	PT											
2-ISI- 1B Seal Injection A	W- 4 Elbow To Pipe	B 9. 21	PT											
2-ISI- 1B Seal Injection A	W- 5 Pipe To Elbow	B 9. 21	PT											
2-ISI- 1B Seal Injection A	W- 6 Elbow To Pipe	B 9. 21	PT											
2-ISI- 1B Seal Injection A	W- 7 Pipe To 45 Elbow	B 9. 21	PT				S							
2-ISI- 1B Seal Injection A	W- 8 45 Elbow To Pipe	B 9. 21	PT											
2-ISI- 1B Seal Injection A	W- 9 Pipe To 45 Elbow	B 9. 21	PT											
2-ISI- 1B Seal Injection A	W-10 45 Elbow To Pipe	B 9. 21	PT											
2-ISI- 1B Seal Injection A	W-11 Pipe To 45 Elbow	B 9. 21	PT											
2-ISI- 1B Seal Injection A	W-12 45 Elbow To Pipe	B 9. 21	PT							S				
2-ISI- 1B Seal Injection A	W-13 Pipe To Elbow	B 9. 21	PT		S									
2-ISI- 1B Seal Injection A	W-14 Elbow To Pipe	B 9. 21	PT											
2-ISI- 1B Seal Injection A	W-15 Pipe To Elbow	B 9. 21	PT											
2-ISI- 1B Seal Injection A	W-16 Elbow To Pipe	B 9. 21	PT											
2-ISI- 1B Seal Injection A	W-17 Pipe To Elbow	B 9. 21	PT					S						
2-ISI- 1B Seal Injection A	W-18 Elbow To Pipe	B 9. 21	PT											
2-ISI- 1B Seal Injection A	W-19 Pipe To Elbow	B 9. 21	PT		S									
2-ISI- 1B Seal Injection A	W-20 Elbow To Pipe	B 9. 21	PT											
2-ISI- 1B Seal Injection A	W-21 Pipe To Elbow	B 9. 21	PT											
2-ISI- 1B Seal Injection A	W-22 Elbow To Pipe	B 9. 21	PT											
2-ISI- 1C Seal Injection A	H- 1 Flange Bolts	B 7. 50	VT1							S				
2-ISI- 1C Seal Injection A	W- 1 Double Spring	F-A, CL I	VT3											

Inservice Inspection Plan and Schedule
Prairie Island Nuclear Generating Plant, Unit 2
Third Ten-Year
ASME Sec XI Code Ed. 1989

ISO System	Item Description	ASME Item Number	Method	Relief Requests & Notes	Schedule									
					95	97	99	00	02	04	XX	XX	XX	XX
2-ISI- 1C	H- 2	F-A, CL I												
Seal Injection A	Snubber/Clamp		VT3											
2-ISI- 1C	H- 3	F-A, CL I												
Seal Injection A	Restraint		VT3						S					
2-ISI- 1C	H- 4	F-A, CL I												
Seal Injection A	Rigid Hanger		VT3											
2-ISI- 1C	W- 1	B 9. 40												
Seal Injection A	Valve To Pipe		PT											
2-ISI- 1C	W- 2	B 9. 21												
Seal Injection A	Pipe To Flange		PT											
2-ISI- 1C	W- 3	B 9. 21												
Seal Injection A	Flange To Pipe		PT							S				
2-ISI- 1C	W- 4	B 9. 21												
Seal Injection A	Pipe To Elbow		PT											
2-ISI- 1C	W- 5	B 9. 21												
Seal Injection A	Elbow To Pipe		PT											
2-ISI- 1C	W- 6	B 9. 21												
Seal Injection A	Pipe To Elbow		PT											
2-ISI- 1C	W- 7	B 9. 21												
Seal Injection A	Elbow To Pipe		PT											
2-ISI- 1C	W- 8	B 9. 21												
Seal Injection A	Pipe To Elbow		PT						S					
2-ISI- 1C	W- 9	B 9. 21												
Seal Injection A	Elbow To Pipe		PT						S					
2-ISI- 1C	W-10	B 9. 21												
Seal Injection A	Pipe To Elbow		PT						S					
2-ISI- 1C	W-11	B 9. 21												
Seal Injection A	Elbow To Pipe		PT											
2-ISI- 1C	W-12	B 9. 21												
Seal Injection A	Pipe To Elbow		PT											
2-ISI- 1C	W-13	B 9. 21												
Seal Injection A	Elbow To Pipe		PT											
2-ISI- 1C	W-14	B 9. 21												
Seal Injection A	Pipe To Elbow		PT											
2-ISI- 1C	W-15	B 9. 21												
Seal Injection A	Elbow To Pipe		PT											
2-ISI- 2	H- 1	F-A, CL I												
Crossover Drain A	Restraint		VT3											
2-ISI- 2	W- 1	B 9. 32												
Crossover Drain A	Pipe - Half Coupling		PT						S					
2-ISI- 2	W- 2	B 9. 40												
Crossover Drain A	Half Coupling - Pipe		PT						S					
2-ISI- 2	W- 3	B 9. 21												
Crossover Drain A	Pipe To 45 Elbow		PT						S					
2-ISI- 2	W- 4	B 9. 21												
Crossover Drain A	45 Elbow To Pipe		PT											
2-ISI- 2	W- 5	B 9. 21												
Crossover Drain A	Pipe To 45 Elbow		PT											
2-ISI- 2	W- 6	B 9. 21												
Crossover Drain A	Elbow To Pipe		PT											
2-ISI- 2	W- 7	B 9. 21												
Crossover Drain A	Pipe To Elbow		PT						S					
2-ISI- 2	W- 8	B 9. 21												
Crossover Drain A	Elbow To Pipe		PT											
2-ISI- 2	W- 9	B 9. 21												
Crossover Drain A	Pipe To Elbow		PT											
2-ISI- 2	W-10	B 9. 21												
Crossover Drain A	Elbow To Pipe		PT											
2-ISI- 2	W-11	B 9. 21												
Crossover Drain A	Pipe To Red Tee		PT			S								
2-ISI- 2	W-12	B 9. 21												
Crossover Drain A	Red Tee To Pipe		PT											
2-ISI- 2	W-13	B 9. 40												
Crossover Drain A	Pipe To Valve		PT											
2-ISI- 2	W-14	B 9. 40												
Crossover Drain A	Valve To Pipe		PT											
2-ISI- 2	W-15	B 9. 21												
Crossover Drain A	Pipe To Red Tee		PT											
2-ISI- 2	W-16	B 9. 21												
Crossover Drain A	Red Tee To Pipe		PT											
2-ISI- 2	W-17	B 9. 40												
Crossover Drain A	Pipe To Valve		PT											
2-ISI- 3	H- 1	F-A, CL I												
CL RTD Takeoff A	Restraint		VT3											

Inservice Inspection Plan and Schedule
Prairie Island Nuclear Generating Plant, Unit 2
Third Ten-Year
ASME Sec XI Code Ed. 1989

ISO System	Item Description	ASME Item Number	Method	Relief Requests & Notes	Schedule									
					95	97	98	00	02	04	XX	XX	XX	XX
2-ISI- 3	H- 2	F-A, CL I												
CL RTD Takeoff A	Restraint		VT3											
2-ISI- 3	H- 3	F-A, CL I												
CL RTD Takeoff A	Restraint		VT3											
2-ISI- 3	H- 4	F-A, CL I					S							
CL RTD Takeoff A	Double Spring/Clamp		VT3											
2-ISI- 3	W- 1	B 9. 32												
CL RTD Takeoff A	Pipe - Half Coupling		PT											
2-ISI- 3	W- 2	B 9. 40												
CL RTD Takeoff A	Half Coupling - Pipe		PT											
2-ISI- 3	W- 3	B 9. 40					S							
CL RTD Takeoff A	Pipe To Valve		PT											
2-ISI- 3	W- 4	B 9. 40												
CL RTD Takeoff A	Valve To Pipe		PT											
2-ISI- 3	W- 5	B 9. 40												
CL RTD Takeoff A	Pipe To Valve		PT											
2-ISI- 3	W- 6	B 9. 40												
CL RTD Takeoff A	Valve To Pipe		PT											
2-ISI- 3	W- 7	B 9. 21					S							
CL RTD Takeoff A	Pipe To Elbow		PT											
2-ISI- 3	W- 8	B 9. 21					S							
CL RTD Takeoff A	Elbow To Pipe		PT											
2-ISI- 3	W- 9	B 9. 40												
CL RTD Takeoff A	Pipe To RTD Manifold		PT											
2-ISI- 3	W-10	B 9. 40												
CL RTD Takeoff A	RTD Manifold To Pipe		PT											
2-ISI- 3	W-11	B 9. 21												
CL RTD Takeoff A	Pipe to Elbow		PT											
2-ISI- 3	W-12	B 9. 21								S				
CL RTD Takeoff A	Elbow To Pipe		PT											
2-ISI- 3	W-13	B 9. 40								S				
CL RTD Takeoff A	Pipe To Valve		PT											
2-ISI- 3	W-14	B 9. 40												
CL RTD Takeoff A	Valve To Pipe		PT											
2-ISI- 3	W-15	B 9. 21												
CL RTD Takeoff A	Pipe To Elbow		PT											
2-ISI- 3	W-16	B 9. 21												
CL RTD Takeoff A	Elbow To Pipe		PT											
2-ISI- 3	W-17	B 9. 21												
CL RTD Takeoff A	Pipe To Elbow		PT											
2-ISI- 3	W-18	B 9. 21												
CL RTD Takeoff A	Elbow To Pipe		PT											
2-ISI- 3	W-19	B 9. 21												
CL RTD Takeoff A	Pipe To Elbow		PT											
2-ISI- 3	W-20	B 9. 21												
CL RTD Takeoff A	Elbow To Pipe		PT											
2-ISI- 3	W-21	B 9. 21												
CL RTD Takeoff A	Pipe To Red Tee		PT											
2-ISI- 4	H- 1	F-A, CL I								S				
HL RTD Takeoff A	Restraint		VT3											
2-ISI- 4	H- 2	F-A, CL I												
HL RTD Takeoff A	Restraint		VT3											
2-ISI- 4	H- 3	F-A, CL I												
HL RTD Takeoff A	Restraint		VT3											
2-ISI- 4	H- 4	F-A, CL I												
HL RTD Takeoff A	Spring/Clamp		VT3											
2-ISI- 4	H- 5	F-A, CL I					S							
HL RTD Takeoff A	Spring		VT3											
2-ISI- 4	H- 6	F-A, CL I												
HL RTD Takeoff A	Snubber/Clamp		VT3											
2-ISI- 4	H- 7	F-A, CL I												
HL RTD Takeoff A	Snubber/Clamp		VT3											
2-ISI- 4	W- 1	B 9. 21												
HL RTD Takeoff A	Reducer To Cross		PT											
2-ISI- 4	W- 2	B 9. 21												
HL RTD Takeoff A	Reducer To Cross		PT											
2-ISI- 4	W- 3	B 9. 21												
HL RTD Takeoff A	Reducer To Cross		PT											
2-ISI- 4	W- 4	B 9. 21								S				
HL RTD Takeoff A	Cross To 60 Elbow		PT											
2-ISI- 4	W- 5	B 9. 21								S				
HL RTD Takeoff A	60 Elbow To Pipe		PT											
2-ISI- 4	W- 6	B 9. 40								S				
HL RTD Takeoff A	Pipe To Valve		PT											

Inservice Inspection Plan and Schedule
Prairie Island Nuclear Generating Plant, Unit 2
Third Ten-Year
ASME Sec XI Code Ed. 1989

ISO System	Item Description	ASME Item Number	Method	Relief Requests & Notes	Schedule									
					95	97	98	00	02	04	XX	XX	XX	XX
2-ISI- 4	W- 7	B 9. 40												
HL RTD Takeoff A	Valve To Pipe		PT											
2-ISI- 4	W- 8	B 9. 40												
HL RTD Takeoff A	Pipe To Valve		PT											
2-ISI- 4	W- 9	B 9. 40												
HL RTD Takeoff A	Valve To Pipe		PT											
2-ISI- 4	W-10	B 9. 40												
HL RTD Takeoff A	Pipe to RTD Manifold		PT											
2-ISI- 4	W-11	B 9. 40					S							
HL RTD Takeoff A	RTD Manifold To Pipe		PT											
2-ISI- 4	W-12	B 9. 40												
HL RTD Takeoff A	Pipe To Valve		PT											
2-ISI- 4	W-13	B 9. 40												
HL RTD Takeoff A	Valve To Pipe		PT											
2-ISI- 4	W-14	B 9. 21												
HL RTD Takeoff A	Pipe To Elbow		PT											
2-ISI- 4	W-15	B 9. 21					S							
HL RTD Takeoff A	Elbow To Pipe		PT											
2-ISI- 4	W-16	B 9. 21												
HL RTD Takeoff A	Pipe To Elbow		PT											
2-ISI- 4	W-17	B 9. 21												
HL RTD Takeoff A	Elbow To Pipe		PT											
2-ISI- 4	W-18	B 9. 21					S							
HL RTD Takeoff A	Pipe To Elbow		PT											
2-ISI- 4	W-19	B 9. 21												
HL RTD Takeoff A	Elbow To Pipe		PT											
2-ISI- 4	W-20	B 9. 21												
HL RTD Takeoff A	Pipe To Elbow		PT											
2-ISI- 4	W-21	B 9. 21												
HL RTD Takeoff A	Elbow To Pipe		PT											
2-ISI- 4	W-22	B 9. 21												
HL RTD Takeoff A	Pipe To Elbow		PT											
2-ISI- 4	W-23	B 9. 21												
HL RTD Takeoff A	Elbow To Reducer		PT											
2-ISI- 5	R- 1	B 7. 70						S						
SIS High Head A	Valve Bolts		VT1											
2-ISI- 5	R- 1	F-A, CL I						S						
SIS High Head A	Spring/Box		VT3											
2-ISI- 5	R- 2	F-A, CL I												
SIS High Head A	Restraint		VT3											
2-ISI- 5	R- 3	F-A, CL I												
SIS High Head A	Double Spring		VT3											
2-ISI- 5	R- 4	F-A, CL I												
SIS High Head A	Restraint		VT3											
2-ISI- 5	V- 1	B12. 50												
SIS High Head A	Valve Int Surfaces		VT3	C										
2-ISI- 5	W- 1	B 9. 40												
SIS High Head A	Valve To Pipe		PT											
2-ISI- 5	W- 2	B 9. 21												
SIS High Head A	Pipe To Pipe		PT											
2-ISI- 5	W- 3	B 9. 21						S						
SIS High Head A	Pipe To Elbow		PT											
2-ISI- 5	W- 4	B 9. 21						S						
SIS High Head A	Elbow To Pipe		PT											
2-ISI- 5	W- 5	B 9. 21												
SIS High Head A	Pipe To Elbow		PT											
2-ISI- 5	W- 6	B 9. 21												
SIS High Head A	Elbow To Pipe		PT											
2-ISI- 5	W- 7	B 9. 21												
SIS High Head A	Pipe To Elbow		PT											
2-ISI- 5	W- 8	B 9. 21												
SIS High Head A	Elbow To Pipe		PT											
2-ISI- 5	W- 9	B 9. 21												
SIS High Head A	Pipe To Reducer		PT											
2-ISI- 5	W-10	B 9. 11												
SIS High Head A	Reducer to Valve		PT UT											
2-ISI- 5	W-11	B 9. 11						S						
SIS High Head A	Valve to Elbow		PT UT											
2-ISI- 5	W-12	B 9. 11												
SIS High Head A	Elbow to Nozzle		PT UT											
2-ISI- 5	W-13	B 9. 31						S						
SIS High Head A	Nozzle to Pipe		PT UT											
2-ISI- 6	R- 1	B 7. 50						S						
RTD Return	Flange Bolts		VT1											

Inservice Inspection Plan and Schedule
Prairie Island Nuclear Generating Plant, Unit 2
Third Ten-Year
ASME Sec XI Code Ed. 1989

ISO System	Item Item Description	ASME Item Number	Method	Relief Requests & Notes	Schedule								
					95	97	98	00	02	04	XX	XX	XX
2-ISI- 6	H- 1	F-A, CL 1											
RTD Return A	Restraint		VT3										
2-ISI- 6	H- 2	F-A, CL 1											
RTD Return A	Restraint		VT3										
2-ISI- 6	W- 1	B 9. 21											
RTD Return A	Reducer to Red Tee		PT										
2-ISI- 6	W- 2	B 9. 21											
RTD Return A	Red Tee to Pipe		PT										
2-ISI- 6	W- 3	B 9. 21											
RTD Return A	Pipe to Flange		PT										
2-ISI- 6	W- 4	B 9. 21											
RTD Return A	Flange to Pipe		PT										
2-ISI- 6	W- 5	B 9. 21											
RTD Return A	Pipe to Elbow		PT										
2-ISI- 6	W- 6	B 9. 21											
RTD Return A	Elbow to Pipe		PT										
2-ISI- 6	W- 7	B 9. 21											
RTD Return A	Pipe to Valve		PT										
2-ISI- 6	W- 8	B 9. 21											
RTD Return A	Valve to Pipe		PT							S			
2-ISI- 6	W- 9	B 9. 21											
RTD Return A	Pipe to Elbow		PT							S			
2-ISI- 6	W-10	B 9. 21											
RTD Return A	Pipe to Nozzle		PT										
2-ISI- 6	W-11	B 9. 32											
RTD Return A	Nozzle to Pipe		PT							S			
2-ISI- 7A	H- 1	F-A, CL 1											
Spray To Pzr Br A	Restraint		VT3										
2-ISI- 7A	H- 2	F-A, CL 1											
Spray To Pzr Br A	Restraint		VT3										
2-ISI- 7A	H- 3	F-A, CL 1											
Spray To Pzr Br A	Snubber		VT3										
2-ISI- 7A	H- 4	F-A, CL 1											
Spray To Pzr Br A	Restraint		VT3										
2-ISI- 7A	H- 5	F-A, CL 1											
Spray To Pzr Br A	Seismic Anchor		VT3						S				
2-ISI- 7A	H- 6	F-A, CL 1											
Spray To Pzr Br A	Double Rigid		VT3										
2-ISI- 7A	W- 1	B 9. 32											
Spray To Pzr Br A	Pipe to Nozzle		PT										
2-ISI- 7A	W- 2	B 9. 21											
Spray To Pzr Br A	Nozzle to Elbow		PT										
2-ISI- 7A	W- 3	B 9. 21											
Spray To Pzr Br A	Elbow to Pipe		PT										
2-ISI- 7A	W- 4	B 9. 21											
Spray To Pzr Br A	Pipe to Elbow		PT										
2-ISI- 7A	W- 5	B 9. 21											
Spray To Pzr Br A	Elbow to Pipe		PT										
2-ISI- 7A	W- 6	B 9. 21											
Spray To Pzr Br A	Pipe to Valve		P*										
2-ISI- 7A	W- 7	B 9. 21											
Spray To Pzr Br A	Valve to Pipe		PT										
2-ISI- 7A	W- 8	B 9. 21											
Spray To Pzr Br A	Pipe to Elbow		PT					S					
2-ISI- 7A	W- 9	B 9. 21											
Spray To Pzr Br A	Elbow to Pipe		PT					S					
2-ISI- 7A	W-10	B 9. 21											
Spray To Pzr Br A	Pipe to Tee		PT										
2-ISI- 7A	W-11	B 9. 21											
Spray To Pzr Br A	Tee to Reducer		PT					S					
2-ISI- 7A	W-12	B 9. 21											
Spray To Pzr Br A	Tee to Pipe		PT					S					
2-ISI- 7A	W-13	B 9. 21											
Spray To Pzr Br A	Pipe to Elbow		PT										
2-ISI- 7A	W-14	B 9. 21											
Spray To Pzr Br A	Elbow to Pipe		PT										
2-ISI- 7A	W-15	B 9. 21											
Spray To Pzr Br A	Pipe to Elbow		PT										
2-ISI- 7A	W-16	B 9. 21											
Spray To Pzr Br A	Elbow to Pipe		PT										
2-ISI- 7B	H- 1	F-A, CL 1											
Spray To Pzr Br A	Seismic Restraint		VT3					S					
2-ISI- 7B	H- 2	F-A, CL 1											
Spray To Pzr Br A	Rod/Clamp		VT3										

Inservice Inspection Plan and Schedule
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Third Ten-Year

ASME Sec XI Code Ed. 1989

ISO System	Item Description	ASME Item Number	Method	Relief Requests & Notes	Schedule								
					95	97	98	00	02	04	XX	XX	XX
2-151- 7B Spray To Pzr Br A	H- 3 Seismic Restraint	F-A, CL I	VT3										
2-151- 7B Spray To Pzr Br A	W- 1 Pipe to Elbow	B 9. 21	PT										
2-151- 7B Spray To Pzr Br A	W- 2 Elbow to Pipe	B 9. 21	PT						S				
2-151- 7B Spray To Pzr Br A	W- 3 Pipe to Red Tee	B 9. 21	PT										
2-151- 7B Spray To Pzr Br A	W- 4 Red Tee to Pipe	B 9. 21	PT										
2-151- 7B Spray To Pzr Br A	W- 5 Pipe to Elbow	B 9. 21	PT										
2-151- 7B Spray To RCDT	W- 6 Red Tee to Pipe	B 9. 21	PT										
2-151- 7B Spray To RCDT	W- 7 Pipe to 45 Elbow	B 9. 21	PT										
2-151- 7B Spray To RCDT	W- 8 45 Elbow to Pipe	B 9. 21	PT										
2-151- 7B Spray To RCDT	W- 9 Pipe to Elbow	B 9. 21	PT										
2-151- 7B Spray To RCDT	W-10 Elbow to Pipe	B 9. 21	PT							S			
2-151- 7B Spray To RCDT	W-11 Pipe to Valve	B 9. 40	PT							S			
2-151- 7B Spray To RCDT	W-12 Valve to Pipe	B 9. 40	PT										
2-151- 7B Spray To RCDT	W-13 Pipe to Valve	B 9. 40	PT										
2-151- 7C Spray To Pzr Br A	H- 1 Snubber	F-A, CL I	VT3										
2-151- 7C Spray To Pzr Br A	H- 2 Rod/Clamp	F-A, CL I	VT3			S							
2-151- 7C Spray To Pzr Br A	H- 3 Rod/Clamp	F-A, CL I	VT3										
2-151- 7C Spray To Pzr Br A	H- 4 Support & Restraint	F-A, CL I	VT3										
2-151- 7C Spray To Pzr Br A	H- 5 Double Spring	F-A, CL I	VT3										
2-151- 7C Spray To Pzr Br A	W- 1 Elbow to Pipe	B 9. 21	PT										
2-151- 7C Spray To Pzr Br A	W- 2 Pipe to 45 Elbow	B 9. 21	PT			S							
2-151- 7C Spray To Pzr Br A	W- 3 45 Elbow to Pipe	B 9. 21	PT										
2-151- 7C Spray To Pzr Br A	W- 4 Pipe to 45 Elbow	B 9. 21	PT			S							
2-151- 7C Spray To Pzr Br A	W- 5 45 Elbow to Pipe	B 9. 21	PT										
2-151- 7C Spray To Pzr Br A	W- 6 Pipe to Elbow	B 9. 21	PT							S			
2-151- 7C Spray To Pzr Br A	W- 7 Elbow to Pipe	B 9. 21	PT							S			
2-151- 7C Spray To Pzr Br A	W- 8 Pipe to Valve	B 9. 21	PT										
2-151- 7C Spray To Pzr Br A	W- 9 Valve to Pipe	B 9. 21	PT										
2-151- 7C Spray To Pzr Br A	W-10 Pipe to Elbow	B 9. 21	PT										
2-151- 7C Spray To Pzr Br A	W-11 Elbow to Pipe	B 9. 21	PT										
2-151- 7C Spray To Pzr Br A	W-12 Pipe to Elbow	B 9. 21	PT										
2-151- 7C Spray To Pzr Br A	W-13 Elbow to Pipe	B 9. 21	PT										
2-151- 7D Spray To Pzr Br A	H- 1 Snubber/Clamp	F-A, CL I	VT3					S					
2-151- 7D Spray To Pzr Br A	H- 2 Snubber/Clamp	F-A, CL I	VT3										
2-151- 7D Spray To Pzr Br A	H- 3 Spring/Clamp	F-A, CL I	VT3										
2-151- 7D Spray To Pzr Br A	H- 4 Double Spring/4 lugs	F-A, CL I	VT3										
2-151- 7D Spray To Pzr Br A	H- 5 Strut/Clamps	F-A, CL I	VT3										

Inservice Inspection Plan and Schedule
Prairie Island Nuclear Generating Plant, Unit 2
Third Ten-Year
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ISO System	Item Description	ASME Item Number	Method	Relief Requests & Notes	Schedule									
					95	97	98	00	02	04	XX	XX	XX	XX
2-ISI- 7D	W- 1	B 9. 21												
Spray To Pzr Br A	Pipe to Elbow		PT					S						
2-ISI- 7D	W- 2	B 9. 21												
Spray To Pzr Br A	Elbow to Pipe		PT											
2-ISI- 7D	W- 3	B 9. 21												
Spray To Pzr Br A	Pipe to 45 Elbow		PT			S								
2-ISI- 7D	W- 4	B 9. 21												
Spray To Pzr Br A	45 Elbow to Pipe		PT											
2-ISI- 7D	W- 5	B 9. 21												
Spray To Pzr Br A	Pipe to Elbow		PT											
2-ISI- 7D	W- 6	B 9. 21												
Spray To Pzr Br A	Elbow to Elbow		PT											
2-ISI- 7D	W- 7	B 9. 21												
Spray To Pzr Br A	Elbow to Pipe		PT											
2-ISI- 7D	W- 8	B 9. 21												
Spray To Pzr Br A	Pipe to Tee		PT											
2-ISI- 7E	H- 1	F-A, CL I												
Spray To Pzr Br B	Support		VT3											
2-ISI- 7E	H- 2	F-A, CL I												
Spray To Pzr Br B	Support		VT3											
2-ISI- 7E	H- 3	F-A, CL I												
Spray To Pzr Br B	Support		VT3											
2-ISI- 7E	H- 4	F-A, CL I												
Spray To Pzr Br B	Ruptured Restraint		VT3					S						
2-ISI- 7E	H- 5	F-A, CL I						S						
Spray To Pzr Br B	Spring Clamp		VT3											
2-ISI- 7E	H- 6	F-A, CL I												
Spray To Pzr Br B	Support		VT3											
2-ISI- 7E	H- 7	F-A, CL I												
Spray To Pzr Br B	Ruptured Restraint		VT3											
2-ISI- 7E	W- 1	B 9. 32							S					
Spray To Pzr Br B	Pipe to Nozzle		PT											
2-ISI- 7E	W- 2	B 9. 21							S					
Spray To Pzr Br B	Nozzle to Pipe		PT											
2-ISI- 7E	W- 3	B 9. 21							S					
Spray To Pzr Br B	Pipe to Elbow		PT											
2-ISI- 7E	W- 4	B 9. 21												
Spray To Pzr Br B	Elbow to Pipe		PT											
2-ISI- 7E	W- 5	B 9. 21												
Spray To Pzr Br B	Pipe to 45 Elbow		PT											
2-ISI- 7E	W- 6	B 9. 21												
Spray To Pzr Br B	45 Elbow to Pipe		PT											
2-ISI- 7E	W- 7	B 9. 21												
Spray To Pzr Br B	Pipe to Elbow		PT											
2-ISI- 7E	W- 8	B 9. 21							S					
Spray To Pzr Br B	Elbow to Pipe		PT											
2-ISI- 7E	W- 9	B 9. 21												
Spray To Pzr Br B	Pipe to Valve		PT											
2-ISI- 7E	W-10	B 9. 21												
Spray To Pzr Br B	Valve to Elbow		PT											
2-ISI- 7E	W-11	B 9. 21												
Spray To Pzr Br B	Elbow to Pipe		PT											
2-ISI- 7E	W-12	B 9. 21												
Spray To Pzr Br B	Pipe to Elbow		PT											
2-ISI- 7E	W-13	B 9. 21												
Spray To Pzr Br B	Elbow to Pipe		PT											
2-ISI- 7E	W-14	B 9. 21												
Spray To Pzr Br B	Pipe to Tee		PT											
2-ISI- 7F	H- 1	F-A, CL I				S								
Spray To Pzr Br A	Double Spring/Clamp		VT3											
2-ISI- 7F	H- 2	F-A, CL I												
Spray To Pzr Br A	Spring/Lug		VT3											
2-ISI- 7F	W- 1	B 9. 21												
Spray To Pzr Br A	Tee to Pipe		PT											
2-ISI- 7F	W- 2	B 9. 21												
Spray To Pzr Br A	Pipe to Pipe		PT											
2-ISI- 7F	W- 3	B 9. 21												
Spray To Pzr Br A	Pipe to Elbow		PT			S								
2-ISI- 7F	W- 4	B 9. 21												
Spray To Pzr Br A	Elbow to Pipe		PT			S								
2-ISI- 7F	W- 5	B 9. 21												
Spray To Pzr Br A	Pipe to 45 Elbow		PT											
2-ISI- 7F	W- 6	B 9. 21												
Spray To Pzr Br A	Elbow to Pipe		PT											

Inservice Inspection Plan and Schedule
Prairie Island Nuclear Generating Plant, Unit 2
Third Ten-Year
ASME Sec XI Code Ed. 1989

ISO System	Item Description	ASME Item Number	Method	Relief Requests & Notes	Schedule									
					95	97	98	00	02	04	XX	XX	XX	XX
2-ISI- 7F	W- 7	B 9. 21												
Spray To Pwr Br A	Pipe to Elbow		PT											
2-ISI- 7F	W- 8	B 9. 21												
Spray To Pwr Br A	Elbow to Reducer		PT											
2-ISI- 7F	W- 9	B 9. 11												
Spray To Pwr Br A	Reducer to Safe End		PT UT											
2-ISI- 7F	W-10	B 5. 40		G						S				
Spray To Pwr Br A	Safe End to Nozzle		PT UT											
2-ISI- 9	W- 1	B 9. 31				S								
PLO Cap A	Pipe to Nozzle		PT UT											
2-ISI- 9	W- 2	B 9. 11												
PLO Cap A	Nozzle to Cap		PT UT											
2-ISI- 10A	B- 1	B 7. 70								S				
RHR HL Takeoff A	Valve Bolting		VT1											
2-ISI- 10A	H- 1	F-A, CL I												
RHR HL Takeoff A	Restraint		VT3											
2-ISI- 10A	H- 2	F-A, CL I												
RHR HL Takeoff A	Restraint		VT3											
2-ISI- 10A	H- 3	F-A, CL I												
RHR HL Takeoff A	Restraint		VT3											
2-ISI- 10A	H- 4	F-A, CL I								S				
RHR HL Takeoff A	Snubber		VT3											
2-ISI- 10A	H- 5	F-A, CL I												
RHR HL Takeoff A	Spring/Clamp		VT3											
2-ISI- 10A	V- 1	B12. 50		B										
RHR HL Takeoff A	Valve Int Surfaces		VT3											
2-ISI- 10A	W- 1	B 9. 31								S				
RHR HL Takeoff A	Pipe To Nozzle		PT UT											
2-ISI- 10A	W- 2	B 9. 11								S				
RHR HL Takeoff A	Nozzle To Pipe		PT UT											
2-ISI- 10A	W- 3	B 9. 11												
RHR HL Takeoff A	Pipe To 45 Elbow		PT UT											
2-ISI- 10A	W- 4	B 9. 11												
RHR HL Takeoff A	45 Elbow To Elbow		PT UT											
2-ISI- 10A	W- 5	B 9. 11								S				
RHR HL Takeoff A	Elbow To Pipe		PT UT											
2-ISI- 10A	W- 6	B 9. 11												
RHR HL Takeoff A	Pipe To Elbow		PT UT											
2-ISI- 10A	W- 7	B 9. 11												
RHR HL Takeoff A	Elbow To Pipe		PT UT											
2-ISI- 10A	W- 8	B 9. 11												
RHR HL Takeoff A	Pipe To Pipe		PT UT											
2-ISI- 10A	W- 9	B 9. 11												
RHR HL Takeoff A	Pipe To Elbow		PT UT											
2-ISI- 10A	W-10	B 9. 11												
RHR HL Takeoff A	Elbow To Valve		PT UT											
2-ISI- 10A	W-11	B 9. 11												
RHR HL Takeoff A	Valve To Pipe		PT UT											
2-ISI- 10A	W-12	B 9. 11												
RHR HL Takeoff A	Pipe To Elbow		PT UT			S								
2-ISI- 10B	H- 1	F-A, CL I												
RHR HL Takeoff A	Restraint		VT3											
2-ISI- 10B	H- 2	F-A, CL I												
RHR HL Takeoff A	Snubber/Clamp		VT3											
2-ISI- 10B	H- 3	F-A, CL I									S			
RHR HL Takeoff A	Restraint		VT3											
2-ISI- 10B	H- 4	F-A, CL I												
RHR HL Takeoff A	Seismic Restraint		VT3											
2-ISI- 10B	H- 5	F-A, CL I												
RHR HL Takeoff A	Spring/Clamp		VT3											
2-ISI- 10B	H- 6	F-A, CL I												
RHR HL Takeoff A	Restraint		VT3											
2-ISI- 10B	H- 7	F-A, CL I												
RHR HL Takeoff A	Restraint		VT3		S									
2-ISI- 10B	H- 8	F-A, CL I												
RHR HL Takeoff A	Restraint		VT3											
2-ISI- 10B	H- 9	F-A, CL I												
RHR HL Takeoff A	Spring/Clamp		VT3		S									
2-ISI- 10B	H-10	F-A, CL I												
RHR HL Takeoff A	Restraint		VT3											
2-ISI- 10B	H-11	F-A, CL I												
RHR HL Takeoff A	Snubber/Clamp		VT3											
2-ISI- 10B	W- 1	B 9. 11												
RHR HL Takeoff A	Elbow To Pipe		PT UT											

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ISO System	Item Description	ASME Item Number	Method	Relief Requests & Notes	Schedule									
					95	97	98	00	02	04	XX	XX	XX	XX
2-ISI- 10B	W- 2	B 9. 11												
RHR HL Takeoff A	Pipe to Elbow		PT UT							S				
2-ISI- 10B	W- 3	B 9. 11												
RHR HL Takeoff A	Elbow To Elbow		PT UT											
2-ISI- 10B	W- 4	B 9. 11												
RHR HL Takeoff A	Elbow to Pipe		PT UT											
2-ISI- 10B	W- 5	B 9. 11												
RHR HL Takeoff A	Pipe To 45 Elbow		PT UT											
2-ISI- 10B	W- 6	B 9. 11												
RHR HL Takeoff A	Elbow To Pipe		PT UT		S									
2-ISI- 10B	W- 7	B 9. 11												
RHR HL Takeoff A	Pipe To 45 Elbow		PT UT											
2-ISI- 10B	W- 8	B 9. 11												
RHR HL Takeoff A	45 Elbow To Pipe		PT UT											
2-ISI- 10B	W- 9	B 9. 11												
RHR HL Takeoff A	Pipe To Pipe		PT UT											
2-ISI- 10B	W-10	B 9. 11												
RHR HL Takeoff A	Pipe To Elbow		PT UT											
2-ISI- 10C	B- 1	B 7. 70					S							
RHR HL Takeoff A	Valve Bolts		VT1											
2-ISI- 10C	H- 1	F-A, CL I												
RHR HL Takeoff A	Restraint		VT3											
2-ISI- 10C	H- 2	F-A, CL I												
RHR HL Takeoff A	Restraint		VT3											
2-ISI- 10C	H- 3	F-A & B10. 10					S							
RHR HL Takeoff A	Single Support		VT3											
2-ISI- 10C	V- 1	B12. 50		B										
RHR HL Takeoff A	Valve Int Surface		VT3											
2-ISI- 10C	W- 1	B 9. 11												
RHR HL Takeoff A	Elbow to Pipe		PT UT											
2-ISI- 10C	W- 2	B 9. 11												
RHR HL Takeoff A	Pipe to Elbow		PT UT											
2-ISI- 10C	W- 3	B 9. 11												
RHR HL Takeoff A	Elbow To Pipe		PT UT		S									
2-ISI- 10C	W- 4	B 9. 11								S				
RHR HL Takeoff A	Pipe To Elbow		PT UT											
2-ISI- 10C	W- 5	B 9. 11												
RHR HL Takeoff A	Elbow to Pipe		PT UT											
2-ISI- 10C	W- 6	B 9. 11												
RHR HL Takeoff A	Pipe to Elbow		PT UT											
2-ISI- 10C	W- 7	B 9. 11												
RHR HL Takeoff A	Elbow to Pipe		PT UT											
2-ISI- 10C	W- 8	B 9. 11												
RHR HL Takeoff A	Pipe To Valve		PT UT											
2-ISI- 11	B- 1	B 7. 70				S								
Accum Discharge A	Valve Bolts		VT1											
2-ISI- 11	B- 2	B 7. 70								S				
Accum Discharge A	Valve Bolts		VT1											
2-ISI- 11	H- 1	F-A, CL I												
Accum Discharge A	Restraint		VT3											
2-ISI- 11	H- 2	F-A, CL I					S							
Accum Discharge A	Snubber/Clamp		VT3											
2-ISI- 11	H- 3	F-A, CL I												
Accum Discharge A	Restraint		VT3											
2-ISI- 11	H- 4	F-A, CL I												
Accum Discharge A	Double Spring		VT3											
2-ISI- 11	H- 5	F-A, CL I												
Accum Discharge A	Restraint		VT3											
2-ISI- 11	H- 6	F-A, CL I												
Accum Discharge A	Double Snubber/Clamp		VT3											
2-ISI- 11	H- 7	F-A, CL I												
Accum Discharge A	Restraint		VT3											
2-ISI- 11	H- 8	F-A, CL I								S				
Accum Discharge A	Restraint		VT3											
2-ISI- 11	V- 1	B12. 50		A										
Accum Discharge A	Valve Int Surfaces		VT3											
2-ISI- 11	V- 2	B12. 50		A										
Accum Discharge A	Valve Int Surfaces		VT3											
2-ISI- 11	W- 1	B 9. 11												
Accum Discharge A	Valve to Elbow		PT UT											
2-ISI- 11	W- 2	B 9. 11												
Accum Discharge A	Elbow to Pipe		PT UT											
2-ISI- 11	W- 3	B 9. 11												
Accum Discharge A	Pipe to Elbow		PT UT											

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					95	97	98	00	02	04	XX	XX	XX	XX
2-ISI- 11	W- 4	B 9. 11												
Accum Discharge A	Elbow to Pipe		PT UT											
2-ISI- 11	W- 5	B 9. 11												
Accum Discharge A	Pipe to Elbow		PT UT					S						
2-ISI- 11	W- 6	B 9. 11												
Accum Discharge A	Elbow to Pipe		PT UT											
2-ISI- 11	W- 7	B 9. 11												
Accum Discharge A	Pipe to Elbow		PT UT											
2-ISI- 11	W- 8	B 9. 11												
Accum Discharge A	Elbow to Valve		PT UT											
2-ISI- 11	W- 9	B 9. 11									S			
Accum Discharge A	Valve to Elbow		PT UT											
2-ISI- 11	W-10	B 9. 11												
Accum Discharge A	Elbow to Pipe		PT UT											
2-ISI- 11	W-11	B 9. 11									S			
Accum Discharge A	Pipe to Nozzle		PT UT											
2-ISI- 11	W-12	B 9. 31									S			
Accum Discharge A	Nozzle To Pipe		PT UT											
2-ISI- 12A	B- 1	B 7. 50									S			
Seal Injection B	Flange Bolts		VT1											
2-ISI- 12A	H- 1	F-A, CL 1												
Seal Injection B	Spring/Clamp		VT3											
2-ISI- 12A	H- 2	F-A, CL 1												
Seal Injection B	Snubber/Clamp		VT3											
2-ISI- 12A	H- 3	F-A, CL 1												
Seal Injection B	Restraint		VT3											
2-ISI- 12A	H- 4	F-A, CL 1					S							
Seal Injection B	Restraint		VT3											
2-ISI- 12A	H- 5	F-A, CL 1												
Seal Injection B	Rigid Hanger Assy		VT3											
2-ISI- 12A	H- 6	F-A, CL 1						S						
Seal Injection B	Restraint		VT3											
2-ISI- 12A	W- 1	B 9. 40												
Seal Injection B	Valve to Pipe		PT											
2-ISI- 12A	W- 2	B 9. 21												
Seal Injection B	Pipe to Flange		PT											
2-ISI- 12A	W- 3	B 9. 21												
Seal Injection B	Flange to Pipe		PT											
2-ISI- 12A	W- 4	B 9. 21												
Seal Injection B	Pipe To Elbow		MT											
2-ISI- 12A	W- 5	B 9. 21												
Seal Injection B	Elbow to Pipe		PT											
2-ISI- 12A	W- 6	B 9. 21				S								
Seal Injection B	Pipe to Elbow		PT											
2-ISI- 12A	W- 7	B 9. 21												
Seal Injection B	Elbow to Pipe		PT											
2-ISI- 12A	W- 8	B 9. 21												
Seal Injection B	Pipe to Elbow		PT											
2-ISI- 12A	W- 9	B 9. 21												
Seal Injection B	Elbow to Pipe		PT											
2-ISI- 12A	W-10	B 9. 21				S								
Seal Injection B	Pipe to Elbow		PT											
2-ISI- 12A	W-11	B 9. 21												
Seal Injection B	Elbow to Pipe		PT											
2-ISI- 12A	W-12	B 9. 21					S							
Seal Injection B	Pipe to Elbow		PT											
2-ISI- 12A	W-13	B 9. 21												
Seal Injection B	Elbow to Pipe		PT											
2-ISI- 12A	W-14	B 9. 21												
Seal Injection B	Pipe to 45 Elbow		PT											
2-ISI- 12A	W-15	B 9. 21												
Seal Injection B	45 Elbow to Pipe		PT											
2-ISI- 12A	W-16	B 9. 21												
Seal Injection B	Pipe to 45 Elbow		PT											
2-ISI- 12A	W-17	B 9. 21												
Seal Injection B	45 Elbow to Pipe		PT											
2-ISI- 12A	W-18	B 9. 21												
Seal Injection B	Pipe to Elbow		PT											
2-ISI- 12A	W-19	B 9. 21					S							
Seal Injection B	Elbow to Pipe		PT											
2-ISI- 12A	W-20	B 9. 21												
Seal Injection B	Pipe to Elbow		PT											
2-ISI- 12A	W-21	B 9. 21												
Seal Injection B	Elbow to Pipe		PT											

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					95	97	98	00	02	04	Y	XX	XX	
2-ISI- 12A	W-22	B 9. 21												
Seal Injection B	Pipe to Elbow		PT											
2-ISI- 12A	W-23	B 9. 21												
Seal Injection B	Elbow to Pipe		PT											
2-ISI- 12A	W-24	B 9. 21												
Seal Injection B	Pipe to 45 Elbow		PT											
2-ISI- 12A	W-25	B 9. 21												
Seal Injection B	45 Elbow to Pipe		PT				S							
2-ISI- 12A	W-26	B 9. 21												
Seal Injection B	Pipe to Elbow		PT				S							
2-ISI- 12B	H- 1	F-A, CL I												
Seal Injection B	Rigid Restraint		VT3											
2-ISI- 12B	H- 2	F-A, CL I												
Seal Injection B	Rigid Restraint		VT3											
2-ISI- 12B	H- 3	F-A, CL I												
Seal Injection B	Restraint		VT3											
2-ISI- 12B	H- 4	F-A, CL I												
Seal Injection B	Restraint		VT3											
2-ISI- 12B	H- 5	F-A, CL I												
Seal Injection B	Rigid Hanger		VT3		S									
2-ISI- 12B	H- 6	F-A, CL I												
Seal Injection B	Spring/Clamp		VT3											
2-ISI- 12B	W- 1	B 9. 21												
Seal Injection B	Elbow to Pipe		PT											
2-ISI- 12B	W- 2	B 9. 21												
Seal Injection B	Pipe to Elbow		PT				S							
2-ISI- 12B	W- 3	B 9. 21												
Seal Injection B	Elbow to Pipe		PT											
2-ISI- 12B	W- 4	B 9. 21												
Seal Injection B	Pipe to Elbow		PT											
2-ISI- 12B	W- 5	B 9. 21												
Seal Injection B	Elbow to Pipe		PT											
2-ISI- 12B	W- 6	B 9. 21												
Seal Injection B	Pipe to Elbow		PT											
2-ISI- 12B	W- 7	B 9. 21												
Seal Injection B	Elbow to Pipe		PT											
2-ISI- 12B	W- 8	B 9. 21												
Seal Injection B	Pipe to 45 Elbow		PT											
2-ISI- 12B	W- 9	B 9. 21												
Seal Injection B	45 Elbow to Pipe		PT				S							
2-ISI- 12B	W-10	B 9. 21												
Seal Injection B	Pipe to Elbow		PT				S							
2-ISI- 12B	W-11	B 9. 21												
Seal Injection B	Elbow to Pipe		PT											
2-ISI- 12B	W-12	B 9. 21												
Seal Injection B	Pipe to Elbow		PT		S									
2-ISI- 12B	W-13	B 9. 21												
Seal Injection B	Elbow to Pipe		PT											
2-ISI- 12B	W-14	B 9. 21												
Seal Injection B	Pipe to Elbow		PT											
2-ISI- 12B	W-15	B 9. 21												
Seal Injection B	Elbow to Pipe		PT											
2-ISI- 12B	W-16	B 9. 21												
Seal Injection B	Pipe to Elbow		PT											
2-ISI- 12B	W-17	B 9. 21												
Seal Injection B	Elbow to Pipe		PT											
2-ISI- 12B	W-18	B 9. 21												
Seal Injection B	Pipe to 45 Elbow		PT											
2-ISI- 12C	B- 1	B 9. 21												
Seal Injection B	Flange Bolts		VT1			S								
2-ISI- 12C	B- 2	B 9. 21												
Seal Injection B	Flange Bolts		VT1			S								
2-ISI- 12C	H- 1	F-A, CL I												
Seal Injection B	Snubber		VT3											
2-ISI- 12C	H- 2	F-A, CL I												
Seal Injection B	Restraint		VT3							S				
2-ISI- 12C	H- 3	F-A, CL I												
Seal Injection B	Spring		VT3											
2-ISI- 12C	W- 1	B 9. 21												
Seal Injection B	45 Elbow to Pipe		PT											
2-ISI- 12C	W- 2	B 9. 21												
Seal Injection B	Pipe to Elbow		PT											
2-ISI- 12C	W- 3	B 9. 21												
Seal Injection B	Elbow to Pipe		PT							S				

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ISO System	Item Description	ASME Item Number	Method	Relief Requests & Notes	Schedule									
					95	97	98	00	02	04	XX	XX	XX	XX
2-ISI- 12C	W- 4	B 9. 21												
Seal Injection B	Pipe to Elbow		PT											
2-ISI- 12C	W- 5	B 9. 21												
Seal Injection B	Elbow to Pipe		PT							S				
2-ISI- 12C	W- 6	B 9. 40												
Seal Injection B	Pipe to Valve		PT											
2-ISI- 12C	W- 7	B 9. 40												
Seal Injection B	Valve to Pipe		PT							S				
2-ISI- 12C	W- 8	B 9. 40												
Seal Injection B	Pipe to Red Tee		PT											
2-ISI- 12C	W- 9	B 9. 40												
Seal Injection B	Red Tee to Pipe		PT			S								
2-ISI- 12C	W-10	B 9. 40												
Seal Injection B	Pipe to Valve		PT			S								
2-ISI- 12C	W-11	B 9. 40												
Seal Injection B	Valve to Pipe		PT											
2-ISI- 12C	W-12	B 9. 21												
Seal Injection B	Pipe to Reducer		PT											
2-ISI- 12C	W-13	B 9. 21												
Seal Injection B	Reducer to Tee		PT											
2-ISI- 12C	W-14	B 9. 21												
Seal Injection B	Tee to Reducer		PT											
2-ISI- 12C	W-15	B 9. 21												
Seal Injection B	Tee to Elbow		PT											
2-ISI- 12C	W-16	B 9. 21												
Seal Injection B	Elbow to Flange		PT			S								
2-ISI- 12C	W-17	B 9. 21												
Seal Injection B	Flange to Pipe		PT											
2-ISI- 12C	W-18	B 9. 21												
Seal Injection B	Pipe to Flange		PT											
2-ISI- 12C	W-19	B 9. 21												
Seal Injection B	Flange to Pipe		PT											
2-ISI- 12C	W-20	B 9. 21												
Seal Injection B	Pipe to Pump		PT				S							
2-ISI- 13A	H- 1	F-A, CL I												
Cold Leg Charging B	Rod/Lug		VT3											
2-ISI- 13A	H- 2	F-A, CL I												
Cold Leg Charging B	Rigid Hanger		VT3							S				
2-ISI- 13A	H- 3	F-A, CL I												
Cold Leg Charging B	Rigid Restraint		VT3											
2-ISI- 13A	H- 4	F-A, CL I												
Cold Leg Charging B	Rigid Hanger		VT3											
2-ISI- 13A	H- 5	F-A, CL I												
Cold Leg Charging B	Rod/Clamp		VT3											
2-ISI- 13A	H- 6	F-A, CL I												
Cold Leg Charging B	Snubber/Clamp		VT3											
2-ISI- 13A	H- 7	F-A, CL I												
Cold Leg Charging B	Restraint		VT3											
2-ISI- 13A	H- 8	F-A, CL I												
Cold Leg Charging B	Double Spring		VT3			S								
2-ISI- 13A	W- 1	B 9. 21												
Cold Leg Charging B	Elbow to Pipe		PT											
2-ISI- 13A	W- 2	B 9. 21												
Cold Leg Charging B	Pipe To Elbow		PT											
2-ISI- 13A	W- 3	B 9. 21												
Cold Leg Charging B	Elbow to Pipe		PT											
2-ISI- 13A	W- 4	B 9. 21												
Cold Leg Charging B	Pipe to Elbow		PT							S				
2-ISI- 13A	W- 5	B 9. 21												
Cold Leg Charging B	Elbow to Pipe		PT							S				
2-ISI- 13A	W- 6	B 9. 21												
Cold Leg Charging B	Pipe to Pipe		PT											
2-ISI- 13A	W- 7	B 9. 21												
Cold Leg Charging B	Pipe to 45 Elbow		PT											
2-ISI- 13A	W- 8	B 9. 21												
Cold Leg Charging B	45 Elbow to Pipe		PT											
2-ISI- 13A	W- 9	B 9. 21												
Cold Leg Charging B	Pipe to Elbow		PT											
2-ISI- 13A	W-10	B 9. 21												
Cold Leg Charging B	Elbow to Pipe		PT				S							
2-ISI- 13A	W-11	B 9. 21												
Cold Leg Charging B	Pipe to Elbow		PT											
2-ISI- 13A	W-12	B 9. 21												
Cold Leg Charging B	Elbow to Pipe		PT				S							

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					95	97	98	00	02	04	XX	XX	XX
2-151- 13A	W-13	B 9. 21											
Cold Leg Charging B	Pipe to Elbow		PY										
2-151- 13A	W-14	B 9. 21											
Cold Leg Charging B	Elbow to Pipe		PT										
2-151- 13A	W-15	B 9. 21											
Cold Leg Charging B	Pipe to Elbow		PT										
2-151- 13A	W-16	B 9. 21											
Cold Leg Charging B	Elbow to Pipe		PT										
2-151- 13A	W-17	B 9. 40											
Cold Leg Charging B	Pipe - Half Coupling		PT										
2-151- 13A	W-18	B 9. 31											
Cold Leg Charging B	Half Coupling - Pipe		PT UT										
2-151- 13B	H- 1	F-A, CL I											
Cold Leg Charging B	Rigid Restraint		VT3										
2-151- 13B	H- 2	F-A, CL I											
Cold Leg Charging B	Support		VT3										
2-151- 13B	H- 3	F-A, CL I											
Cold Leg Charging B	Snubber		VT3										
2-151- 13B	H- 4	F-A, CL I											
Cold Leg Charging B	Support		VT3										
2-151- 13B	H- 5	F-A, CL I											
Cold Leg Charging B	Restraint		VT3										
2-151- 13B	H- 6	F-A, CL I											
Cold Leg Charging B	Spring/Lug		VT3		S								
2-151- 13B	H- 7	F-A, CL I											
Cold Leg Charging B	Rod/Clamp		VT3										
2-151- 13B	W- 1	B 9. 21											
Cold Leg Charging B	Pipe to Elbow		PT										
2-151- 13B	W- 2	B 9. 21						S					
Cold Leg Charging B	Elbow to Tee		PT										
2-151- 13B	W- 3	B 9. 21											
Cold Leg Charging B	Tee to Pipe		PT										
2-151- 13B	W- 4	B 9. 40											
Cold Leg Charging B	Pipe to Valve		PT										
2-151- 13B	W- 5	B 9. 40											
Cold Leg Charging B	Valve to Pipe		PT										
2-151- 13B	W- 6	B 9. 21											
Cold Leg Charging B	Pipe to Tee		PT										
2-151- 13B	W- 7	B 9. 21											
Cold Leg Charging B	Tee to Pipe		PT										
2-151- 13B	W- 8	B 9. 40											
Cold Leg Charging B	Pipe to Valve		PT					S					
2-151- 13B	W- 9	B 9. 40											
Cold Leg Charging B	Valve to Pipe		PT										
2-151- 13B	W-10	B 9. 21						S					
Cold Leg Charging B	Pipe to Elbow		PT										
2-151- 13B	W-11	B 9. 21											
Cold Leg Charging B	Elbow to Pipe		PT										
2-151- 13B	W-12	B 9. 40											
Cold Leg Charging B	Pipe to Valve		PT										
2-151- 13B	W-13	B 9. 40											
Cold Leg Charging B	Valve to Pipe		PT										
2-151- 13B	W-14	B 9. 21											
Cold Leg Charging B	Pipe to Elbow		PT										
2-151- 13B	W-15	B 9. 21											
Cold Leg Charging B	Elbow to Pipe		PT										
2-151- 13C	H- 1	F-A, CL I											
Cold Leg Charging B	Spring/Clamp		VT3										
2-151- 13C	W- 1	B 9. 40						S					
Cold Leg Charging B	Nozzle to Pipe		PT										
2-151- 13C	W- 2	B 9. 21											
Cold Leg Charging B	Pipe to Tee		PT										
2-151- 13C	W- 3	B 9. 21											
Cold Leg Charging B	Tee To Reducer		PT										
2-151- 13C	W- 4	B 9. 21											
Cold Leg Charging B	Tee to Pipe		PT										
2-151- 13C	W- 5	B 9. 21						S					
Cold Leg Charging B	Pipe to Elbow		PT										
2-151- 13C	W- 6	B 9. 21							S				
Cold Leg Charging B	Elbow to Pipe		PT										
2-151- 13C	W- 7	B 9. 21											
Cold Leg Charging B	Pipe to Elbow		PT										

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ISO System	Item Description	ASME Item Number	Method	Relief Requests & Notes	Schedule									
					95	97	98	00	02	04	XX	XX	XX	XX
2-151- 13C	W- 8	B 9. 21												
Cold Leg Charging B	Elbow to Pipe		PT		S									
2-151- 13C	W- 9	B 9. 21												
Cold Leg Charging B	Pipe to Elbow		PT											
2-151- 13C	W-10	B 9. 21												
Cold Leg Charging B	Elbow to Pipe		PT											
2-151- 13C	W-11	B 9. 21												
Cold Leg Charging B	Pipe to Reducer		PT		S									
2-151- 13C	W-12	B 9. 21												
Cold Leg Charging B	Reducer to Pipe		PT											
2-151- 13C	W-13	B 9. 21												
Cold Leg Charging B	Pipe to Reducer		PT											
2-151- 13C	W-14	B 9. 21												
Cold Leg Charging B	Reducer to Elbow		PT											
2-151- 13C	W-15	B 9. 21												
Cold Leg Charging B	Elbow to Tee		PT											
2-151- 13C	W-16	B 9. 21												
Cold Leg Charging B	Tee to Pipe		PT											
2-151- 13D	H- 1	F-A, CL 1												
Cold Leg Charging B	Snubber/Clamp		VT3											
2-151- 13D	H- 2	F-A, CL 1												
Cold Leg Charging B	Single Rigid		VT3											
2-151- 13D	H- 3	F-A, CL 1												
Cold Leg Charging B	Restraint		VT3											
2-151- 13D	H- 4	F-A, CL 1												
Cold Leg Charging B	Rigid/Clamp		VT3		S									
2-151- 13D	H- 5	F-A, CL 1												
Cold Leg Charging B	Restraint		VT3											
2-151- 13D	H- 6	F-A, CL 1												
Cold Leg Charging B	Single Rigid		VT3											
2-151- 13D	W- 1	B 9. 21												
Cold Leg Charging B	Elbow to Pipe		PT											
2-151- 13D	W- 2	B 9. 21												
Cold Leg Charging B	Pipe to Elbow		PT											
2-151- 13D	W- 3	B 9. 21												
Cold Leg Charging B	Elbow to Pipe		PT											
2-151- 13D	W- 4	B 9. 21												
Cold Leg Charging B	Pipe to Elbow		PT		S									
2-151- 13D	W- 5	B 9. 21												
Cold Leg Charging B	Elbow to Pipe		PT		S									
2-151- 13D	W- 6	B 9. 21												
Cold Leg Charging B	Pipe to Elbow		PT											
2-151- 13D	W- 7	B 9. 21												
Cold Leg Charging B	Elbow to Pipe		PT						S					
2-151- 13D	W- 8	B 9. 21												
Cold Leg Charging B	Pipe to Elbow		PT											
2-151- 13D	W- 9	B 9. 21												
Cold Leg Charging B	Elbow to Pipe		PT											
2-151- 13D	W-10	B 9. 21												
Cold Leg Charging B	Pipe to Elbow		PT											
2-151- 13D	W-11	B 9. 21												
Cold Leg Charging B	Elbow to Pipe		PT											
2-151- 13D	W-12	B 9. 21												
Cold Leg Charging B	Pipe to Elbow		PT											
2-151- 13D	W-13	B 9. 21												
Cold Leg Charging B	Elbow to Pipe		PT											
2-151- 13D	W-14	B 9. 21												
Cold Leg Charging B	Pipe to Elbow		PT											
2-151- 13D	W-15	B 9. 21												
Cold Leg Charging B	Elbow to Pipe		PT											
2-151- 13D	W-16	B 9. 40												
Cold Leg Charging B	Pipe to Nozzle		PT						S					
2-151- 13E	B- 1	B 7. 50			S						S			
Cold Leg Charging B	Flange Bolts		VT1											
2-151- 13E	H- 1	F-A, CL 1							S					
Cold Leg Charging B	Double Spring		VT3											
2-151- 13E	H- 2	F-A, CL 1							S					
Cold Leg Charging B	Restraint		VT3											
2-151- 13E	H- 3	F-A, CL 1												
Cold Leg Charging B	Axial/2 Legs		VT3											
2-151- 13E	H- 4	F-A, CL 1												
Cold Leg Charging B	Spring		VT3											
2-151- 13E	W- 1	B 9. 40												
Cold Leg Charging B	Valve to Pipe		PT											

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					95	97	98	00	02	04	XX	XX	XX	XX
2-151- 13E	W- 2	B 9. 21												
Cold Leg Charging B	Pipe to Flange		PT											
2-151- 13E	W- 3	B 9. 21			S									
Cold Leg Charging B	Flange to Pipe		PT											
2-151- 13E	W- 4	B 9. 21			S									
Cold Leg Charging B	Pipe To Tee		PT											
2-151- 13E	W- 5	B 9. 21												
Cold Leg Charging B	Tee to Reducer		PT											
2-151- 13E	W- 6	B 9. 21												
Cold Leg Charging B	Tee to Pipe		PT											
2-151- 13E	W- 7	B 9. 21					S							
Cold Leg Charging B	Pipe to Elbow		PT											
2-151- 13E	W- 8	B 9. 21					S							
Cold Leg Charging B	Elbow to Pipe		PT											
2-151- 13E	W- 9	B 9. 21												
Cold Leg Charging B	Pipe to Elbow		PT											
2-151- 13E	W-10	B 9. 21												
Cold Leg Charging B	Elbow to Pipe		PT											
2-151- 13E	W-11	B 9. 21												
Cold Leg Charging B	Pipe to Elbow		PT											
2-151- 13E	W-12	B 9. 21												
Cold Leg Charging B	Elbow to Pipe		PT											
2-151- 13E	W-13	B 9. 21												
Cold Leg Charging B	Pipe to Elbow		PT											
2-151- 13E	W-14	B 9. 21												
Cold Leg Charging B	Elbow to Pipe		PT											
2-151- 13E	W-15	B 9. 21												
Cold Leg Charging B	Pipe to Elbow		PT											
2-151- 14	H- 1	F-A, CL I			S									
CL RTD Takeoff B	Support		VT3											
2-151- 14	H- 2	F-A, CL I												
CL RTD Takeoff B	Double Spring/Clamp		VT3											
2-151- 14	H- 3	F-A, CL I												
CL RTD Takeoff B	Support		VT3											
2-151- 14	H- 4	F-A, CL I												
CL RTD Takeoff B	Support		VT3											
2-151- 14	H- 5	F-A, CL I												
CL RTD Takeoff B	Snubber/Lug		VT3											
2-151- 14	H- 6	F-A, CL I												
CL RTD Takeoff B	Double Spring		VT3											
2-151- 14	W- 1	B 9. 32												
CL RTD Takeoff B	Pipe-Half Coupling		PT											
2-151- 14	W- 2	B 9. 40												
CL RTD Takeoff B	Half Coupling-Pipe		PT											
2-151- 14	W- 3	B 9. 21												
CL RTD Takeoff B	Pipe to 45 Elbow		PT											
2-151- 14	W- 4	B 9. 21			S									
CL RTD Takeoff B	45 Elbow to Pipe		PT											
2-151- 14	W- 5	B 9. 40			S									
CL RTD Takeoff B	Pipe to Valve		PT											
2-151- 14	W- 6	B 9. 40												
CL RTD Takeoff B	Valve to Pipe		PT											
2-151- 14	W- 7	B 9. 40												
CL RTD Takeoff B	Pipe to Valve		PT											
2-151- 14	W- 8	B 9. 40						S						
CL RTD Takeoff B	Valve to Pipe		PT											
2-151- 14	W- 9	B 9. 21						S						
CL RTD Takeoff B	Pipe to Elbow		PT											
2-151- 14	W-10	B 9. 71												
CL RTD Takeoff B	Elbow to Pipe		PT											
2-151- 14	W-11	B 9. 40												
CL RTD Takeoff B	Pipe to Manifold		PT											
2-151- 14	W-12	B 9. 40												
CL RTD Takeoff B	Manifold to Pipe		PT											
2-151- 14	W-13	B 9. 21												
CL RTD Takeoff B	Pipe to Elbow		PT											
2-151- 14	W-14	B 9. 21												
CL RTD Takeoff B	Elbow to Pipe		PT							S				
2-151- 14	W-15	B 9. 40												
CL RTD Takeoff B	Pipe to Valve		PT							S				
2-151- 14	W-16	B 9. 40												
CL RTD Takeoff B	Valve to Pipe		PT											
2-151- 14	W-17	B 9. 21												
CL RTD Takeoff B	Pipe to Elbow		PT											

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ISO System	Item Description	ASME Item Number	Method	Relief Requests & Notes	Schedule									
					95	97	98	00	02	04	XX	XX	XX	XX
2-ISI- 14	W-18	B 9. 21												
CL RTD Takeoff B	Elbow to Pipe		PT											
2-ISI- 14	W-19	B 9. 21												
CL RTD Takeoff B	Pipe to Red Tee		PT											
2-ISI- 15	H- 1	F-A, CL I												
HL RTD Takeoff B	Support		VT3											
2-ISI- 15	H- 2	F-A, CL I												
HL RTD Takeoff B	Support		VT3											
2-ISI- 15	H- 3	F-A, CL I												
HL RTD Takeoff B	Support		VT3											
2-ISI- 15	H- 4	F-A, CL I												
HL RTD Takeoff B	Spring/2 Lugs		VT3					S						
2-ISI- 15	H- 5	F-A, CL I												
HL RTD Takeoff B	Snubber/Clamp		VT3											
2-ISI- 15	H- 6	F-A, CL I												
HL RTD Takeoff B	Snubber/Clamp		VT3											
2-ISI- 15	W- 1	B 9. 21												
HL RTD Takeoff B	Reducer to Cross		PT											
2-ISI- 15	W- 2	B 9. 21												
HL RTD Takeoff B	Reducer to Cross		PT											
2-ISI- 15	W- 3	B 9. 21												
HL RTD Takeoff B	Reducer to Cross		PT											
2-ISI- 15	W- 4	B 9. 21												
HL RTD Takeoff B	Cross to 61 Elbow		PT							S				
2-ISI- 15	W- 5	B 9. 21												
HL RTD Takeoff B	61 Elbow to Pipe		PT							S				
2-ISI- 15	W- 6	B 9. 40												
HL RTD Takeoff B	Pipe to Valve		PT							S				
2-ISI- 15	W- 7	B 9. 40												
HL RTD Takeoff B	Valve to Pipe		PT											
2-ISI- 15	W- 8	B 9. 40												
HL RTD Takeoff B	Pipe to Valve		PT											
2-ISI- 15	W- 9	B 9. 40												
HL RTD Takeoff B	Valve to Pipe		PT											
2-ISI- 15	W-10	B 9. 40												
HL RTD Takeoff B	Pipe to Manifold		PT											
2-ISI- 15	W-11	B 9. 40												
HL RTD Takeoff B	Manifold to Pipe		PT											
2-ISI- 15	W-12	B 9. 40												
HL RTD Takeoff B	Pipe to Valve		PT					S						
2-ISI- 15	W-13	B 9. 40												
HL RTD Takeoff B	Valve to Pipe		PT											
2-ISI- 15	W-14	B 9. 21												
HL RTD Takeoff B	Pipe to Elbow		PT					S						
2-ISI- 15	W-15	B 9. 21												
HL RTD Takeoff B	Elbow to Pipe		PT											
2-ISI- 15	W-16	B 9. 21												
HL RTD Takeoff B	Pipe to Elbow		PT											
2-ISI- 15	W-17	B 9. 21												
HL RTD Takeoff B	Elbow to Pipe		PT											
2-ISI- 15	W-18	B 9. 21												
HL RTD Takeoff B	Pipe to Elbow		PT											
2-ISI- 15	W-19	B 9. 21												
HL RTD Takeoff B	Elbow to Pipe		PT											
2-ISI- 15	W-20	B 9. 21												
HL RTD Takeoff B	Pipe to Elbow		PT		S									
2-ISI- 15	W-21	B 9. 21												
HL RTD Takeoff B	Elbow to Pipe		PT											
2-ISI- 15	W-22	B 9. 21												
HL RTD Takeoff B	Pipe to Elbow		PT											
2-ISI- 15	W-23	B 9. 21												
HL RTD Takeoff B	Elbow to Reducer		PT											
2-ISI- 16	H- 1	F-A, CL I												
Drain & Letdown Line	Restraint		VT3											
2-ISI- 16	H- 2	F-A, CL I												
Drain & Letdown Line	Snubber/Clamp		VT3							S				
2-ISI- 16	H- 3	F-A, CL I												
Drain & Letdown Line	Spring/Clamp		VT3											
2-ISI- 16	H- 4	F-A, CL I												
Drain & Letdown Line	Axial Restraint		VT3											
2-ISI- 16	H- 5	F-A, CL I												
Drain & Letdown Line	Restraint		VT3											
2-ISI- 16	H- 6	F-A, CL I												
Drain & Letdown Line	Double Spring		VT3					S						

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ISO System	Item Description	ASME Item Number	Method	Relief Requests & Notes	Schedule									
					95	97	98	00	02	04	XX	XX	XX	XX
2-ISI- 16	W- 1	B 9. 32												
Drain & Letdown Line	Pipe - Half Coupling		PT											
2-ISI- 16	W- 2	B 9. 40												
Drain & Letdown Line	Half Coupling - Pipe		PT											
2-ISI- 16	W- 3	B 9. 21												
Drain & Letdown Line	Pipe to 45 Elbow		PT											
2-ISI- 16	W- 4	B 9. 21												
Drain & Letdown Line	45 Elbow to Pipe		PT											
2-ISI- 16	W- 5	B 9. 21												
Drain & Letdown Line	Pipe to 45 Elbow		PT											
2-ISI- 16	W- 6	B 9. 21												
Drain & Letdown Line	45 Elbow to Pipe		PT											
2-ISI- 16	W- 7	B 9. 21												
Drain & Letdown Line	Pipe to Elbow		PT											
2-ISI- 16	W- 8	B 9. 21												
Drain & Letdown Line	Elbow to Pipe		PT											
2-ISI- 16	W- 9	B 9. 21												
Drain & Letdown Line	Pipe to Tee		PT											
2-ISI- 16	W-10	B 9. 21						S						
Drain & Letdown Line	Tee to Elbow		PT											
2-ISI- 16	W-11	B 9. 21												
Drain & Letdown Line	Elbow to Pipe		PT											
2-ISI- 16	W-12	B 9. 21												
Drain & Letdown Line	Pipe to Elbow		PT											
2-ISI- 16	W-13	B 9. 21												
Drain & Letdown Line	Elbow to Pipe		PT											
2-ISI- 16	W-14	B 9. 40								S				
Drain & Letdown Line	Pipe to Valve		PT											
2-ISI- 16	W-15	B 9. 40												
Drain & Letdown Line	Valve to Pipe		PT											
2-ISI- 16	W-16	B 9. 21												
Drain & Letdown Line	Pipe to Elbow		PT											
2-ISI- 16	W-17	B 9. 21												
Drain & Letdown Line	Elbow to Pipe		PT											
2-ISI- 16	W-18	B 9. 21								S				
Drain & Letdown Line	Pipe to Elbow		PT											
2-ISI- 16	W-19	B 9. 21								S				
Drain & Letdown Line	Elbow to Pipe		PT											
2-ISI- 16	W-20	B 9. 40												
Drain & Letdown Line	Pipe to Valve		PT											
2-ISI- 16	W-21	B 9. 40												
Drain & Letdown Line	Valve to Pipe		PT											
2-ISI- 16	W-22	B 9. 40												
Drain & Letdown Line	Pipe to Valve		PT											
2-ISI- 16	W-23	B 9. 21						S						
Drain & Letdown Line	Tee to Pipe		PT											
2-ISI- 16	W-24	B 9. 40												
Drain & Letdown Line	Pipe to Valve		PT											
2-ISI- 16	W-25	B 9. 40												
Drain & Letdown Line	Valve to Pipe		PT											
2-ISI- 16	W-26	B 9. 40						S						
Drain & Letdown Line	Pipe to Valve		PT											
2-ISI- 17	B- 1	B 7. 50							S					
RTD Return Loop B	Flange Bolts		VT1											
2-ISI- 17	H- 1	F-A, CL I							S					
RTD Return Loop B	Support		VT3											
2-ISI- 17	H- 2	F-A, CL I												
RTD Return Loop B	Support		VT3											
2-ISI- 17	W- 1	B 9. 21												
RTD Return Loop B	Reducer to Tee		PT											
2-ISI- 17	W- 2	B 9. 21												
RTD Return Loop B	Tee to Pipe		PT											
2-ISI- 17	W- 3	B 9. 21												
RTD Return Loop B	Pipe to Flange		PT											
2-ISI- 17	W- 4	B 9. 21								S				
RTD Return Loop B	Flange to Pipe		PT											
2-ISI- 17	W- 5	B 9. 21								S				
RTD Return Loop B	Pipe to Elbow		PT											
2-ISI- 17	W- 6	B 9. 21												
RTD Return Loop B	Elbow to Pipe		PT											
2-ISI- 17	W- 7	B 9. 21												
RTD Return Loop B	Pipe to Valve		PT											
2-ISI- 17	W- 8	B 9. 21												
RTD Return Loop B	Valve to Pipe		PT											

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ISO System	Item Description	ASME Item Number	Method	Relief Requests & Notes	Schedule									
					95	97	98	00	02	04	XX	XX	XX	XX
2-151- 17 RTD Return Loop B	W- 9 Pipe to Elbow	B 9. 21	PT											
2-151- 17 RTD Return Loop B	W-10 Elbow to Nozzle	B 9. 21	PT											
2-151- 17 RTD Return Loop B	W-11 Nozzle to Pipe	B 9. 32	PT			S								
2-151- 19 RCS Draindown	W- 1 Pipe to Nozzle	B 9. 31	PT UT						S					
2-151- 19 RCS Draindown	W- 2 Nozzle to Pipe	B 9. 11	PT UT											
2-151- 19 RCS Draindown	W- 3 Pipe to Reducer	B 9. 11	PT UT						S					
2-151- 19 RCS Draindown	W- 4 Reducer to Elbow	B 9. 21	PT											
2-151- 19 RCS Draindown	W- 5 Elbow to Pipe	B 9. 21	PT						S					
2-151- 19 RCS Draindown	W- 6 Pipe to Elbow	B 9. 21	PT											
2-151- 19 RCS Draindown	W- 7 Elbow to Valve	B 9. 21	PT											
2-151- 19 RCS Draindown	W- 8 Valve to Pipe	B 9. 21	PT											
2-151- 19 RCS Draindown	W- 9 Pipe to Valve	B 9. 21	PT											
2-151- 20A NHR HL Takeoff B	B- 1 Valve Bolts	B 7. 70	VT1											
2-151- 20A RHR HL Takeoff B	H- 1 Restraint	F-A, CL I	VT3											
2-151- 20A RHR HL Takeoff B	H- 2 Restraint	F-A, CL I	VT3						S					
2-151- 20A RHR HL Takeoff B	H- 3 Restraint	F-A, CL I	VT3											
2-151- 20A RHR HL Takeoff B	H- 4 Restraint & Support	F-A, CL I	VT3											
2-151- 20A RHR HL Takeoff B	H- 5 Restraint	F-A, CL I	VT3											
2-151- 20A RHR HL Takeoff B	H- 6 Restraint	F-A, CL I	VT3					S						
2-151- 20A RHR HL Takeoff B	H- 7 Restraint	F-A, CL I	VT3											
2-151- 20A RHR HL Takeoff B	H- 8 Snubber/Log	F-A, CL I	VT3											
2-151- 20A RHR HL Takeoff B	V- 1 Valve Int Surfaces	B12. 50	VT3	B										
2-151- 20A RHR HL Takeoff B	W- 1 Pipe to Nozzle	B 9. 31	PT UT											
2-151- 20A RHR HL Takeoff B	W- 2 Nozzle to Pipe	B 9. 11	PT UT											
2-151- 20A RHR HL Takeoff B	W- 3 Pipe to 45 Elbow	B 9. 11	PT UT											
2-151- 20A RHR HL Takeoff B	W- 4 45 Elbow to Pipe	B 9. 11	PT UT											
2-151- 20A RHR HL Takeoff B	W- 5 Pipe to Elbow	B 9. 11	PT UT											
2-151- 20A RHR HL Takeoff B	W- 6 Elbow to Pipe	B 9. 11	PT UT						S					
2-151- 20A RHR HL Takeoff B	W- 7 Pipe to Pipe	B 9. 11	PT UT											
2-151- 20A RHR HL Takeoff B	W- 8 Pipe to Elbow	B 9. 11	PT UT						S					
2-151- 20A RHR HL Takeoff B	W- 9 Elbow to Pipe	B 9. 11	PT UT						S					
2-151- 20A RHR HL Takeoff B	W-10 Pipe to Elbow	B 9. 11	PT UT											
2-151- 20A RHR HL Takeoff B	W-11 Elbow to Valve	B 9. 11	PT UT					S						
2-151- 20A RHR HL Takeoff B	W-12 Valve to Pipe	B 9. 11	PT UT											
2-151- 20A RHR HL Takeoff B	W-13 Pipe to Elbow	B 9. 11	PT UT											
2-151- 20A RHR HL Takeoff B	W-14 Elbow to Pipe	B 9. 11	PT UT											
2-151- 20B RHR HL Takeoff B	H- 1 Restraint	F-A, CL I	VT3											

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ISO System	Item Description	ASME Item Number	Method	Relief Requests & Notes	Schedule									
					95	97	98	00	02	04	XX	XX	XX	XX
2-ISI- 20B RHR HL Takeoff B	H- 2 Double Spring	F-A, CL I	VT3					S						
2-ISI- 20B RHR HL Takeoff B	H- 3 Restraint	F-A, CL I	VT3											
2-ISI- 20B RHR HL Takeoff B	H- 4 Restraint	F-A, CL I	VT3			S								
2-ISI- 20B RHR HL Takeoff B	H- 5 Restraint	F-A, CL I	VT3											
2-ISI- 20B RHR HL Takeoff B	W- 1 Pipe to Elbow	B 9. 11	PT UT					S						
2-ISI- 20B RHR HL Takeoff B	W- 2 Elbow to Pipe	B 9. 11	PT UT											
2-ISI- 20B RHR HL Takeoff B	W- 3 Pipe to Elbow	B 9. 11	PT UT											
2-ISI- 20B RHR HL Takeoff B	W- 4 Elbow to Pipe	B 9. 11	PT UT											
2-ISI- 20B RHR HL Takeoff B	W- 5 Pipe to Elbow	B 9. 11	PT UT											
2-ISI- 20B RHR HL Takeoff B	W- 6 Elbow to Pipe	B 9. 11	PT UT			S								
2-ISI- 20B RHR HL Takeoff B	W- 7 Pipe to 36 Elbow	B 9. 11	PT UT											
2-ISI- 20B RHR HL Takeoff B	W- 8 36 Elbow to Elbow	B 9. 11	PT UT											
2-ISI- 20B RHR HL Takeoff B	W- 9 Elbow to Pipe	B 9. 11	PT UT											
2-ISI- 20C RHR HL Takeoff B	B- 1 Valve Bolts	B 7. 70	VT1			S								
2-ISI- 20C RHR HL Takeoff B	H- 1 Restraint	F-A, CL I	VT3											
2-ISI- 20C RHR HL Takeoff B	H- 2 Restraint	F-A, CL I	VT3											
2-ISI- 20C RHR HL Takeoff B	H- 3 Single Support	F-A & B10. 10	VT3											
2-ISI- 20C RHR HL Takeoff B	V- 1 Valve Int Surfaces	B12. 50	VT3	B										
2-ISI- 20C RHR HL Takeoff B	W- 1 Pipe to Elbow	B 9. 11	PT UT											
2-ISI- 20C RHR HL Takeoff B	W- 2 Elbow to Pipe	B 9. 11	PT UT			S								
2-ISI- 20C RHR HL Takeoff B	W- 3 Pipe to Elbow	B 9. 11	PT UT											
2-ISI- 20C RHR HL Takeoff B	W- 4 Elbow to Pipe	B 9. 11	PT UT											
2-ISI- 20C RHR HL Takeoff B	W- 5 Pipe to Elbow	B 9. 11	PT UT											
2-ISI- 20C RHR HL Takeoff B	W- 6 Elbow to Pipe	B 9. 11	PT UT											
2-ISI- 20C RHR HL Takeoff B	W- 7 Pipe to Valve	B 9. 11	PT UT											
2-ISI- 21 RHR Return B	S- 1 Valve Bolting	B 7. 70	VT1			S								
2-ISI- 21 RHR Return B	H- 1 Restraint	F-A, CL I	VT3											
2-ISI- 21 RHR Return B	H- 2 Single Support	F-A, CL I	VT3							S				
2-ISI- 21 RHR Return B	H- 3 Restraint	F-A, CL I	VT3											
2-ISI- 21 RHR Return B	H- 4 Double Rod Hanger	F-A, CL I	VT3			S								
2-ISI- 21 RHR Return B	H- 5 Restraint	F-A, CL I	VT3											
2-ISI- 21 RHR Return B	V- 1 Valve Int Surfaces	B12. 50	VT3	D										
2-ISI- 21 RHR Return B	W- 1 Valve to Elbow	B 9. 11	PT UT											
2-ISI- 21 RHR Return B	W- 2 Elbow to Pipe	B 9. 11	PT UT							S				
2-ISI- 21 RHR Return B	W- 3 Pipe to Elbow	B 9. 11	PT UT											
2-ISI- 21 RHR Return B	W- 4 Elbow to 45 Elbow	B 9. 11	PT UT											
2-ISI- 21 RHR Return B	W- 5 45 Elbow to Pipe	B 9. 11	PT UT											

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					95	97	98	00	02	04	XX	XX	XX
2-151- 21 RHR Return B	W- 6 Pipe to Elbow	B 9. 11	PT UT										
2-151- 21 RHR Return B	W- 7 Elbow to Pipe	B 9. 11	PT UT				S						
2-151- 21 RHR Return B	W- 8 Pipe to Elbow	B 9. 11	PT UT										
2-151- 21 RHR Return B	W- 9 Elbow to Pipe	B 9. 11	PT UT				S						
2-151- 21 RHR Return B	W-10 Pipe to Tee	B 9. 11	PT UT										
2-151- 22A Accumulator Disch B	B- 1 Valve Bolts	B 7. 70	VT1			S							
2-151- 22A Accumulator Disch B	H- 1 Rupt Res't	F-A, CL I	VT3										
2-151- 22A Accumulator Disch B	H- 2 Spring Hanger	F-A, CL I	VT3				S						
2-151- 22A Accumulator Disch B	H- 3 Snubber/Clamp	F-A, CL I	VT3			S							
2-151- 22A Accumulator Disch B	H- 4 Rupture Restraint	F-A & B10. 10	VT3										
2-151- 22A Accumulator Disch B	H- 5 Restraint	F-A, CL I	VT3										
2-151- 22A Accumulator Disch B	H- 6 Restraint	F-A, CL I	VT3										
2-151- 22A Accumulator Disch B	V- 1 Valve Int Surfaces	B12. 50	VT3	A									
2-151- 22A Accumulator Disch B	W- 1 Valve to Pipe	B 9. 11	PT UT										
2-151- 22A Accumulator Disch B	W- 2 Pipe to Elbow	B 9. 11	PT UT										
2-151- 22A Accumulator Disch B	W- 3 Elbow to Pipe	B 9. 11	PT UT										
2-151- 22A Accumulator Disch B	W- 4 Pipe to Elbow	B 9. 11	PT UT			S							
2-151- 22A Accumulator Disch B	W- 5 Elbow to Tee	B 9. 11	PT UT										
2-151- 22A Accumulator Disch B	W- 6 Tee to Pipe	B 9. 11	PT UT										
2-151- 22A Accumulator Disch B	W- 7 Pipe to Elbow	B 9. 11	PT UT										
2-151- 22A Accumulator Disch B	W- 8 Elbow to Elbow	B 9. 11	PT UT			S							
2-151- 22B Accumulator Disch B	B- 1 Valve Bolts	B 7. 70	VT1							S			
2-151- 22B Accumulator Disch B	H- 1 Double Spring	F-A, CL I	VT3										
2-151- 22B Accumulator Disch B	H- 2 Restraint	F-A, CL I	VT3										
2-151- 22B Accumulator Disch B	H- 3 Rupture Restraint	F-A & B10. 10	VT3				S						
2-151- 22B Accumulator Disch B	H- 4 Snubber/Clamp	F-A, CL I	VT3				S						
2-151- 22B Accumulator Disch B	H- 5 Restraint	F-A, CL I	VT3										
2-151- 22B Accumulator Disch B	H- 6 Restraint	F-A, CL I	VT3										
2-151- 22B Accumulator Disch B	H- 7 Rupture Restraint	F-A & B10. 10	VT3										
2-151- 22B Accumulator Disch B	V- 1 Valve Int Surfaces	B12. 50	VT3	A									
2-151- 22B Accumulator Disch B	W- 1 Elbow to Pipe	B 9. 11	PT UT										
2-151- 22B Accumulator Disch B	W- 2 Pipe to Elbow	B 9. 11	PT UT										
2-151- 22B Accumulator Disch B	W- 3 Elbow to Pipe	B 9. 11	PT UT										
2-151- 22B Accumulator Disch B	W- 4 Pipe to Pipe	B 9. 11	PT UT										
2-151- 22B Accumulator Disch B	W- 5 Pipe to Elbow	B 9. 11	PT UT										
2-151- 22B Accumulator Disch B	W- 6 Elbow To Valve	B 9. 11	PT UT										
2-151- 22B Accumulator Disch B	W- 7 Valve to Elbow	B 9. 11	PT UT							S			

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					95	97	98	00	02	04	XX	XX	XX
2-ISI- 22B	W- 8	B 9. 11											
Accumulator Disch B	Elbow to Pipe		PT UT							S			
2-ISI- 22B	W- 9	B 9. 11											
Accumulator Disch B	Pipe to Nozzle		PT UT										
2-ISI- 22B	W-10	B 9. 31											
Accumulator Disch B	Nozzle To Pipe		PT UT										
2-ISI- 23	H- 1	B 7. 70											
SIS High Head B	Valve Bolts		VT1						S				
2-ISI- 23	H- 1	F-A, CL I											
SIS High Head B	Restraint		VT3										
2-ISI- 23	H- 2	F-A, CL I											
SIS High Head B	Double Spring		VT3										
2-ISI- 23	H- 3	F-A, CL I											
SIS High Head B	Restraint		VT3										
2-ISI- 23	V- 1	B12. 50											
SIS High Head B	Valve Int Support		VT3	C									
2-ISI- 23	W- 1	B 9. 40											
SIS High Head B	Valve to Pipe		PT										
2-ISI- 23	W- 2	B 9. 21											
SIS High Head B	Pipe to Elbow		PT										
2-ISI- 23	W- 3	B 9. 21											
SIS High Head B	Elbow to Pipe		PT										
2-ISI- 23	W- 4	B 9. 21											
SIS High Head B	Pipe to 45 Elbow		PT										
2-ISI- 23	W- 5	B 9. 21				S							
SIS High Head B	45 Elbow to Pipe		PT										
2-ISI- 23	W- 6	B 9. 21											
SIS High Head B	Pipe to 45 Elbow		PT										
2-ISI- 23	W- 7	B 9. 21								S			
SIS High Head B	45 Elbow to Reducer		PT										
2-ISI- 23	W- 8	B 9. 11											
SIS High Head B	Reducer to Valve		PT UT										
2-ISI- 23	W- 9	B 9. 11				S							
SIS High Head B	Valve to Elbow		PT UT										
2-ISI- 23	W-10	B 9. 11											
SIS High Head B	Elbow to Nozzle		PT UT										
2-ISI- 23	W-11	B 9. 31											
SIS High Head B	Nozzle to Pipe		PT UT										
2-ISI- 24	H- 1	F-A, CL I											
Auxiliary Spray	Strut/Clamp		VT3										
2-ISI- 24	H- 2	F-A, CL I											
Auxiliary Spray	Restraint		VT3										
2-ISI- 24	H- 3	F-A, CL I											
Auxiliary Spray	Restraint		VT3										
2-ISI- 24	H- 4	F-A, CL I											
Auxiliary Spray	Rod/Lug		VT3										
2-ISI- 24	H- 5	F-A, CL I											
Auxiliary Spray	Spring/Clamp		VT3						S				
2-ISI- 24	W- 1	B 9. 21											
Auxiliary Spray	Tee to Pipe		PT										
2-ISI- 24	W- 2	B 9. 21											
Auxiliary Spray	Pipe to Elbow		PT										
2-ISI- 24	W- 3	B 9. 21											
Auxiliary Spray	Elbow to Pipe		PT										
2-ISI- 24	W- 4	B 9. 40											
Auxiliary Spray	Pipe to Valve		PT										
2-ISI- 24	W- 5	B 9. 40								S			
Auxiliary Spray	Valve to Pipe		PT	2									
2-ISI- 24	W- 6	B 9. 40								S			
Auxiliary Spray	Pipe to Valve		PT	2									
2-ISI- 24	W- 7	B 9. 40					S						
Auxiliary Spray	Valve to Pipe		PT										
2-ISI- 24	W- 8	B 9. 21											
Auxiliary Spray	Pipe to Elbow		PT										
2-ISI- 24	W- 9	B 9. 21					S						
Auxiliary Spray	Elbow to Pipe		PT										
2-ISI- 24	W-10	B 9. 21											
Auxiliary Spray	Pipe to Elbow		PT										
2-ISI- 24	W-11	B 9. 21					S						
Auxiliary Spray	Elbow to Pipe		PT										
2-ISI- 24	W-12	B 9. 21							S				
Auxiliary Spray	Pipe to Elbow		PT										
2-ISI- 24	W-13	B 9. 21							S				
Auxiliary Spray	Elbow to Pipe		PT										

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					95	97	98	00	02	04	XX	XX	XX	XX
2-ISI- 24	W-14	B 9. 21												
Auxiliary Spray	Pipe to Elbow		PT											
2-ISI- 24	W-15	B 9. 21												
Auxiliary Spray	Elbow to Pipe		PT											
2-ISI- 24	W-16	B 9. 21												
Auxiliary Spray	Pipe to Elbow		PT											
2-ISI- 24	W-17	B 9. 21												
Auxiliary Spray	Elbow to Pipe		PT											
2-ISI- 24	W-18	B 9. 21												
Auxiliary Spray	Pipe to Elbow		PT											
2-ISI- 24	W-19	B 9. 21												
Auxiliary Spray	Elbow to Reducer		PT											
2-ISI- 25	H- 1	F-A, CL I												
Reactor Vessel SIS A	Spring/Clamp		VT3											
2-ISI- 25	W- 1	B 9. 40												
Reactor Vessel SIS A	Valve to Pipe		PT											
2-ISI- 25	W- 2	B 9. 21												
Reactor Vessel SIS A	Pipe to Pipe		PT											
2-ISI- 25	W- 3	B 9. 21												
Reactor Vessel SIS A	Pipe to Elbow		PT											
2-ISI- 25	W- 4	B 9. 21												
Reactor Vessel SIS A	Elbow to Pipe		PT											
2-ISI- 25	W- 5	B 9. 21												
Reactor Vessel SIS A	Pipe to Elbow		PT											
2-ISI- 25	W- 6	B 9. 21				S								
Reactor Vessel SIS A	Elbow to Pipe		PT											
2-ISI- 25	W- 7	B 9. 21												
Reactor Vessel SIS A	Pipe to 45 Elbow		PT											
2-ISI- 25	W- 8	B 9. 21												
Reactor Vessel SIS A	45 Elbow to Pipe		PT											
2-ISI- 25	W- 9	B 9. 21				S								
Reactor Vessel SIS A	Pipe to Elbow		PT											
2-ISI- 25	W-10	B 9. 21												
Reactor Vessel SIS A	Elbow to Pipe		PT											
2-ISI- 25	W-11	B 9. 21												
Reactor Vessel SIS A	Pipe to Elbow		PT											
2-ISI- 25	W-12	B 9. 21												
Reactor Vessel SIS A	Elbow to Pipe		PT											
2-ISI- 25	W-13	B 9. 21						S						
Reactor Vessel SIS A	Pipe to Weldolet		PT											
2-ISI- 25	W-14	B 9. 32												
Reactor Vessel SIS A	Weldolet to Pipe		PT											
2-ISI- 26	H- 1	F-A, CL I												
Reactor Vessel SIS B	Spring		VT3											
2-ISI- 26	W- 1	B 9. 40												
Reactor Vessel SIS B	Valve to Pipe		PT											
2-ISI- 26	W- 2	B 9. 21												
Reactor Vessel SIS B	Pipe to Pipe		PT											
2-ISI- 26	W- 3	B 9. 21												
Reactor Vessel SIS B	Pipe to Elbow		PT											
2-ISI- 26	W- 4	B 9. 21												
Reactor Vessel SIS B	Elbow to Pipe		PT											
2-ISI- 26	W- 5	B 9. 21												
Reactor Vessel SIS B	Pipe to Elbow		PT											
2-ISI- 26	W- 6	B 9. 21												
Reactor Vessel SIS B	Elbow to Pipe		PT											
2-ISI- 26	W- 7	B 9. 21								S				
Reactor Vessel SIS B	Pipe to Weldolet		PT											
2-ISI- 26	W- 8	B 9. 32												
Reactor Vessel SIS B	Weldolet to Pipe		PT											
2-ISI- 27	H- 1	F-A, CL I												
Pressurizer Relief	Support		VT3											
2-ISI- 27	W- 1	B 9. 40						S						
Pressurizer Relief	Nozzle to Safe End		PT UT	S										
2-ISI- 27	W- 2	B 9. 11												
Pressurizer Relief	Safe End to Reducer		PT UT											
2-ISI- 27	W- 3	B 9. 21						S						
Pressurizer Relief	Reducer to 45 Elbow		PT											
2-ISI- 27	W- 4	B 9. 21						S						
Pressurizer Relief	45 Elbow to Pipe		PT											
2-ISI- 27	W- 5	B 9. 21												
Pressurizer Relief	Pipe to Elbow		PT											
2-ISI- 27	W- 6	B 9. 21												
Pressurizer Relief	Elbow to Tee		PT											

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					95	97	98	00	02	04	XX	XX	XX	XX
2-ISI- 27	W- 7	B 9. 21												
Pressurizer Relief	Tee to Valve		PT						S					
2-ISI- 27	W- 8	B 9. 21												
Pressurizer Relief	Valve to Pipe		PT											
2-ISI- 27	W- 9	B 9. 21												
Pressurizer Relief	Pipe to Valve		PT											
2-ISI- 27	W-10	B 9. 21												
Pressurizer Relief	Tee to Pipe		PT											
2-ISI- 27	W-11	B 9. 21												
Pressurizer Relief	Pipe to Elbow		PT											
2-ISI- 27	W-12	B 9. 21												
Pressurizer Relief	Elbow to Pipe		PT						S					
2-ISI- 27	W-13	B 9. 21												
Pressurizer Relief	Pipe to Valve		PT											
2-ISI- 27	W-14	B 9. 21												
Pressurizer Relief	Valve to Pipe		PT											
2-ISI- 27	W-15	B 9. 21												
Pressurizer Relief	Pipe to Valve		PT											
2-ISI- 28	B- 1	B 7. 70				S								
Reactor Vessel SIS B	Valve Bolting		VT1											
2-ISI- 28	B- 2	B 7. 70							S					
Reactor Vessel SIS B	Valve Bolting		VT1											
2-ISI- 28	H- 1	F-A, CL I				S								
Reactor Vessel SIS B	Restraint Single		VT3											
2-ISI- 28	H- 2	F-A, CL I												
Reactor Vessel SIS B	Restraint		VT3											
2-ISI- 28	H- 3	F-A, CL I												
Reactor Vessel SIS B	Rod/Clamp		VT3											
2-ISI- 28	H- 4	F-A, CL I												
Reactor Vessel SIS B	Restraint		VT3											
2-ISI- 28	V- 1	B12. 50		C										
Reactor Vessel SIS B	Valve Int Surfaces		VT3											
2-ISI- 28	V- 2	B12. 50		C										
Reactor Vessel SIS B	Valve Int Surfaces		VT3											
2-ISI- 28	W- 1	B 9. 11												
Reactor Vessel SIS B	Valve to Pipe		PT UT											
2-ISI- 28	W- 2	B 9. 11												
Reactor Vessel SIS B	Pipe to Elbow		PT UT											
2-ISI- 28	W- 3	B 9. 11												
Reactor Vessel SIS B	Elbow to Pipe		PT UT											
2-ISI- 28	W- 4	B 9. 11												
Reactor Vessel SIS B	Pipe to Elbow		PT UT											
2-ISI- 28	W- 5	B 9. 11												
Reactor Vessel SIS B	Elbow to Pipe		PT UT											
2-ISI- 28	W- 6	B 9. 11												
Reactor Vessel SIS B	Pipe to Valve		PT UT											
2-ISI- 28	W- 7	B 9. 11												
Reactor Vessel SIS B	Valve to 45 Elbow		PT UT						S					
2-ISI- 28	W- 8	B 9. 11												
Reactor Vessel SIS B	45 Elbow to Reducer		PT UT						S					
2-ISI- 28	W- 9	B 9. 11												
Reactor Vessel SIS B	Reducer to Pipe		PT UT											
2-ISI- 28	W-10	B 9. 11												
Reactor Vessel SIS B	Pipe to Safe End		PT UT											
2-ISI- 28	W-11	B 5. 10												
Reactor Vessel SIS B	Safe End to Nozzle		PT UT	G						S				
2-ISI- 29	B- 1	B 7. 70						S						
Reactor Vessel SIS A	Valve Bolting		VT1											
2-ISI- 29	B- 2	B 7. 70												
Reactor Vessel SIS A	Valve Bolting		VT1											
2-ISI- 29	H- 1	F-A, CL I												
Reactor Vessel SIS A	Support		VT3											
2-ISI- 29	H- 2	F-A, CL I												
Reactor Vessel SIS A	Rupture Restraint		VT3							S				
2-ISI- 29	H- 3	F-A, CL I												
Reactor Vessel SIS A	Support		VT3							S				
2-ISI- 29	H- 4	F-A, CL I												
Reactor Vessel SIS A	Single Rigid		VT3											
2-ISI- 29	H- 5	F-A, CL I												
Reactor Vessel SIS A	Strut/Clamp		VT3											
2-ISI- 29	V- 1	B12. 50		C										
Reactor Vessel SIS A	Valve Int Surfaces		VT3											
2-ISI- 29	V- 2	B12. 50		C										
Reactor Vessel SIS A	Valve Int Surfaces		VT3											

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					95	97	98	00	02	04	XX	XX	XX	
2-ISI- 29 Reactor Vessel SIS A	W- 1 Valve To Elbow	B 9. 11	PT UT											
2-ISI- 29 Reactor Vessel SIS A	W- 2 Elbow To Pipe	B 9. 11	PT UT				S							
2-ISI- 29 Reactor Vessel SIS A	W- 3 Pipe To Elbow	B 9. 11	PT UT						S					
2-ISI- 29 Reactor Vessel SIS A	W- 4 Elbow To Valve	B 9. 11	PT UT											
2-ISI- 29 Reactor Vessel SIS A	W- 5 Valve To Elbow	B 9. 11	PT UT											
2-ISI- 29 Reactor Vessel SIS A	W- 6 Elbow To Reducer	B 9. 11	PT UT											
2-ISI- 29 Reactor Vessel SIS A	W- 7 Reducer To Elbow	B 9. 11	PT UT											
2-ISI- 29 Reactor Vessel SIS A	W- 8 Elbow to Pipe	B 9. 11	PT UT											
2-ISI- 29 Reactor Vessel SIS A	W- 9 Pipe to Bent Pipe	B 9. 11	PT UT											
2-ISI- 29 Reactor Vessel SIS A	W-10 Bent Pipe To SafeEnd	B 9. 11	PT UT				S							
2-ISI- 29 Reactor Vessel SIS A	W-11 Safe End To Nozzle	B 5. 10	PT UT	G			S							
2-ISI- 30A Pressurizer Safety A	B- 1 Flange Bolts	B 7. 50	VT1				S							
2-ISI- 30A Pressurizer Safety A	B- 2 Valve Bolts	B 7. 70	VT1				S							
2-ISI- 30A Pressurizer Safety A	H- 1 Support	F-A, CL I	VT3											
2-ISI- 30A Pressurizer Safety A	V- 1 Valve Int Surfaces	B12. 50	VT3	E										
2-ISI- 30A Pressurizer Safety A	W- 1 Nozzle - Safe End	B 5. 40	PT UT	G			S							
2-ISI- 30A Pressurizer Safety A	W- 2 Safe End to 45 Elbow	B 9. 11	PT UT				S							
2-ISI- 30A Pressurizer Safety A	W- 3 45 Elbow to Pipe	B 9. 11	PT UT											
2-ISI- 30A Pressurizer Safety A	W- 4 Pipe To Elbow	B 9. 11	PT UT											
2-ISI- 30A Pressurizer Safety A	W- 5 Elbow to Elbow	B 9. 11	PT UT				S							
2-ISI- 30A Pressurizer Safety A	W- 6 Elbow to Pipe	B 9. 11	PT UT											
2-ISI- 30A Pressurizer Safety A	W- 7 Pipe to Elbow	B 9. 11	PT UT											
2-ISI- 30A Pressurizer Safety A	W- 8 Elbow to Elbow	B 9. 11	PT UT											
2-ISI- 30A Pressurizer Safety A	W- 9 Elbow To Flange	B 9. 11	PT UT											
2-ISI- 30B Pressurizer Safety B	B- 1 Flange Bolts	B 7. 50	VT1			S								
2-ISI- 30B Pressurizer Safety B	B- 2 Valve Bolts	B 7. 70	VT1			S								
2-ISI- 30B Pressurizer Safety B	H- 1 Support	F-A, CL I	VT3											
2-ISI- 30B Pressurizer Safety B	V- 1 Valve Int Surfaces	B12. 50	VT3	E										
2-ISI- 30B Pressurizer Safety B	W- 1 Nozzle - Safe End	B 5. 40	PT UT	G		S								
2-ISI- 30B Pressurizer Safety B	W- 2 Safe End To 45 Elbow	B 9. 11	PT UT			S								
2-ISI- 30B Pressurizer Safety B	W- 3 45 Elbow To Pipe	B 9. 11	PT UT											
2-ISI- 30B Pressurizer Safety B	W- 4 Pipe To Elbow	B 9. 11	PT UT											
2-ISI- 30B Pressurizer Safety B	W- 5 Elbow to Elbow	B 9. 11	PT UT											
2-ISI- 30B Pressurizer Safety B	W- 6 Elbow to Pipe	B 9. 11	PT UT											
2-ISI- 30B Pressurizer Safety B	W- 7 Pipe to Elbow	B 9. 11	PT UT			S								
2-ISI- 30B Pressurizer Safety B	W- 8 Elbow to Elbow	B 9. 11	PT UT											
2-ISI- 30B Pressurizer Safety B	W- 9 Elbow To Flange	B 9. 11	PT UT											

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ISO System	Item Description	ASME Item Number	Method	Relief Requests & Notes	Schedule									
					95	97	98	00	02	04	XX	XX	XX	XX
2-ISI- 31	W- 1	B 9. 31					S							
Pressurizer Surge	Pipe To Nozzle		PT UT											
2-ISI- 31	W- 2	B 9. 11					S							
Pressurizer Surge	Nozzle To Pipe		PT UT											
2-ISI- 31	W- 3	B 9. 11												
Pressurizer Surge	Pipe To Elbow		PT UT											
2-ISI- 31	W- 4	B 9. 11												
Pressurizer Surge	Elbow To Elbow		PT UT											
2-ISI- 31	W- 5	B 9. 11												
Pressurizer Surge	Elbow To Pipe		PT UT											
2-ISI- 31	W- 6	B 9. 11												
Pressurizer Surge	Pipe To Elbow		PT UT											
2-ISI- 31	W- 7	B 9. 11												
Pressurizer Surge	Elbow To 45 Elbow		PT UT											
2-ISI- 31	W- 8	B 9. 11												
Pressurizer Surge	45 Elbow To Pipe		PT UT											
2-ISI- 31	W- 9	B 9. 11				S								
Pressurizer Surge	Pipe To 45 Elbow		PT UT											
2-ISI- 31	W-10	B 9. 11												
Pressurizer Surge	45 Elbow To 30 Elbow		PT UT											
2-ISI- 31	W-11	B 9. 11												
Pressurizer Surge	30 Elbow To Bent Pip		PT UT											
2-ISI- 31	W-12	B 9. 11												
Pressurizer Surge	Bent Pipe To Bent Pi		PT UT											
2-ISI- 31	W-13	B 9. 11												
Pressurizer Surge	Bent Pipe To Bent Pi		PT UT											
2-ISI- 31	W-14	B 9. 11												
Pressurizer Surge	Bent Pipe To Bent Pi		PT UT											
2-ISI- 31	W-15	B 9. 11							S					
Pressurizer Surge	Bent Pipe To Reducer		PT UT											
2-ISI- 31	W-16	B 9. 11							S					
Pressurizer Surge	Reducer To Safe End		PT UT											
2-ISI- 31	W-17	B 5. 40		G					S					
Pressurizer Surge	Safe End To Nozzle		PT UT											
2-ISI- 32A	W- 1	B 5. 10		G		S								
Reactor Coolant A	Nozzle To Safe End		MT UT											
2-ISI- 32A	W- 2	B 9. 11				S								
Reactor Coolant A	Safe End To Pipe		PT UT											
2-ISI- 32A	W- 3	B 9. 11												
Reactor Coolant A	Pipe To Pipe		PT UT											
2-ISI- 32A	W- 4	B 9. 11												
Reactor Coolant A	Pipe To 50 Red Elbow		PT UT											
2-ISI- 32A	W- 5	B 5. 70		G			S							
Reactor Coolant A	50 Red Elbow-Nozzle		PT UT											
2-ISI- 32B	H- 1	F-A, CL 1				S								
Reactor Coolant A	Crossover Support		VT3											
2-ISI- 32B	H- 2	F-A, CL 1												
Reactor Coolant A	Crossover Support		VT3											
2-ISI- 32B	W- 1	B 5. 70		G		S								
Reactor Coolant A	Nozzle To Elbow		PT UT											
2-ISI- 32B	W- 2	B 9. 11												
Reactor Coolant A	Elbow To Pipe		PT UT											
2-ISI- 32B	W- 3/2LSU	B 9. 10												
Reactor Coolant A	Pipe To Elbow		PT UT											
2-ISI- 32B	W- 4/2LSU	B 9. 10												
Reactor Coolant A	Elbow To Pipe		PT UT											
2-ISI- 32B	W- 5/2LSU	B 9. 10				S								
Reactor Coolant A	Pipe To Elbow		PT UT											
2-ISI- 32B	W- 6/2LSU	B 9. 10				S								
Reactor Coolant A	Elbow To Pump		PT UT											
2-ISI- 32C	W- 1	B 9. 11							S					
Reactor Coolant A	Pump To Pipe		PT UT											
2-ISI- 32C	W- 2	B 9. 11												
Reactor Coolant A	Pipe To Pipe		PT UT											
2-ISI- 32C	W- 3	B 9. 11												
Reactor Coolant A	Pipe To 35 Elbow		PT UT											
2-ISI- 32C	W- 4	B 9. 11												
Reactor Coolant A	35 Elbow To Safe End		PT UT							S				
2-ISI- 32C	W- 5	B 5. 10		G						S				
Reactor Coolant A	Safe End To Nozzle		PT UT											
2-ISI- 33A	W- 1	B 5. 10		G		S								
Reactor Coolant B	Nozzle To Safe End		PT UT											
2-ISI- 33A	W- 2	B 9. 11				S								
Reactor Coolant B	Safe End To Pipe		PT UT											

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					95	97	98	12	04	XX
2-ISI- 33A	W- 3	B 9. 11								
Reactor Coolant B	Pipe To Pipe		PT UT							
2-ISI- 33A	W- 4	B 9. 11								
Reactor Coolant B	Pipe To 50 Red Elbow		PT UT						S	
2-ISI- 33A	W- 5	B 5. 70		G					S	
Reactor Coolant B	50 Red Elbow-Nozzle		PT UT							
2-ISI- 33B	H- 1	F-A, CL I								
Reactor Coolant B	Crossover Support		VT3							
2-ISI- 33B	H- 2	F-A, CL I							S	
Reactor Coolant B	Crossover Support		VT3							
2-ISI- 33B	W- 1	B 5. 70		G					S	
Reactor Coolant B	Nozzle To Elbow		PT UT							
2-ISI- 33B	W- 2	B 9. 11							S	
Reactor Coolant B	Elbow To Pipe		PT UT							
2-ISI- 33B	W- 3/2LSD	B 9. 10								
Reactor Coolant B	Pipe To Elbow		PT UT							
2-ISI- 33B	W- 4/2LSU	B 9. "								
Reactor Coolant B	Elbow To Pipe		PT UT							
2-ISI- 33B	W- 5/2LSD	B 9. 10								
Reactor Coolant B	Pipe To Elbow		PT UT							
2-ISI- 33B	W- 6/2LSU	B 9. 10								
Reactor Coolant B	Elbow To Pump		PT UT						S	
2-ISI- 33C	W- 1	B 9. 11					S			
Reactor Coolant B	Pump To Pipe		PT UT							
2-ISI- 33C	W- 2	B 9. 11								
Reactor Coolant B	Pipe To Pipe		PT UT							
2-ISI- 33C	W- 3	B 9. 11								
Reactor Coolant B	Pipe To 35 Elbow		PT UT							
2-ISI- 33C	W- 4	B 9. 11							S	
Reactor Coolant B	35 Elbow To Safe End		PT UT							
2-ISI- 33C	W- 5	B 5. 10		G					S	
Reactor Coolant B	Safe End To Nozzle		PT UT							
2-ISI- 34	H- 1A	F-A, CL I								
Regen Heat Exchanger	HX Stand		VT3							
2-ISI- 34	H- 1B	F-A, CL I								
Regen Heat Exchanger	HX Stand		VT3						S	
2-ISI- 34	N- 1 IR	B 3.160		5						
Regen Heat Exchanger	Nozzle Inner Radius		UT							
2-ISI- 34	N- 2 IR	B 3.160		5						
Regen Heat Exchanger	Nozzle Inner Radius		UT							
2-ISI- 34	N- 3 IR	B 3.160		5						
Regen Heat Exchanger	Nozzle Inner Radius		UT							
2-ISI- 34	N- 4 IR	B 3.160		5						
Regen Heat Exchanger	Nozzle Inner Radius		UT							
2-ISI- 34	N- 5 IR	B 3.160		5						
Regen Heat Exchanger	Nozzle Inner Radius		UT							
2-ISI- 34	N- 6 IR	B 3.160		5						
Regen Heat Exchanger	Nozzle Inner Radius		UT							
2-ISI- 34	W- 1	B 2. 51		5						
Regen Heat Exchanger	Cap-Integral Tubesheet		UT							
2-ISI- 34	W- 2	B 2. 51		5			S			
Regen Heat Exchanger	Cap-Integral Tubesheet		UT							
2-ISI- 34	W- 3	B 2. 51		5						
Regen Heat Exchanger	Cap-Integral Tubesheet									
2-ISI- 34	W- 4	B 9. 40								
Cold Leg Charging B	Nozzle to Pipe		PT							
2-ISI- 34	W- 5	B 9. 40								
Cold Leg Charging B	Pipe to Nozzle		PT							
2-ISI- 34	W- 6	B 9. 40					S			
Cold Leg Charging B	Nozzle to Pipe		PT							
2-ISI- 34	W- 7	B 9. 40								
Cold Leg Charging B	Pipe to Nozzle		PT							
2-ISI- 35	B- 1	B 7. 20			S		S	S		
Pressurizer	Manway Bolts		VT1							
2-ISI- 35	N- 1 IR	B 3.120						S		
Pressurizer	Surge Nozzle		UT							
2-ISI- 35	N- 2 IR	B 3.120						S		
Pressurizer	Spray Nozzle		UT							
2-ISI- 35	N- 3 IR	B 3.120						S		
Pressurizer	Relief Nozzle		UT							
2-ISI- 35	N- 4A IR	B 3.120						S		
Pressurizer	Safety Nozzle		UT							
2-ISI- 35	N- 4B IR	B 3.120								
Pressurizer	Safety Nozzle		UT		S					

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					95	97	98	00	02	04	XX	XX	XX	XX
2-ISI- 35 Pressurizer	W-1 to 7B 7B Heater Pen Welds	B 4. 20	VT2							S				
2-ISI- 36 Pressurizer Vessel	H- 1 Base	F-A & B B. 20	VT3						S					
2-ISI- 36 Pressurizer Vessel	W- 1 Vertical Shell Weld	B 2. 12	UT			S								
2-ISI- 36 Pressurizer Vessel	W- 2 Vertical Shell Weld	B 2. 12	UT					S						
2-ISI- 36 Pressurizer Vessel	W- 3 Bottom Head to Shell	B 2. 11	UT			S		S	S					
2-ISI- 36 Pressurizer Vessel	W- 5 Top Head to Shell	B 2. 11	UT			S		S	S					
2-ISI- 37A Steam Generator 21	B- 1 Inlet Manway Bolts	B 7. 30	VT1			S								
2-ISI- 37A Steam Generator 21	B- 2 Outlet Manway Bolts	B 7. 30	VT1				S							
2-ISI- 37A Steam Generator 21	N- 1 Feedwater Nozzle	C 2. 21	MT UT				S							
2-ISI- 37A Steam Generator 21	N- 1 IR FW Nozzle Inner Radi	C 2. 22	UT				S							
2-ISI- 37A Steam Generator 21	N- 4 Main Steam Nozzle	C 2. 21	MT UT					S						
2-ISI- 37A Steam Generator 21	N- 4 IR MS Nozzle Inner Radi	C 2. 22	UT				S							
2-ISI- 37A Steam Generator 21	N- 5 Inlet Nozzle	B 3.130	UT				S							
2-ISI- 37A Steam Generator 21	N- 5 IR Nozzle Inner Radius	B 3.140	UT				S							
2-ISI- 37A Steam Generator 21	N- 6 Outlet Nozzle	B 3.130	UT			S								
2-ISI- 37A Steam Generator 21	N- 6 IR Nozzle Inner Radius	B 3.140	UT			S								
2-ISI- 37A Steam Generator 21	W-A Tube Sheet to Head	B 2. 40	UT			S		S		S				
2-ISI- 37A Steam Generator 21	W-B Tube Sheet to Shell	C 1. 30	UT											
2-ISI- 37A Steam Generator 21	W-C Shell to Shell	C 1. 10	UT											
2-ISI- 37A Steam Generator 21	W-D Shell to Shell	C 1. 10	UT											
2-ISI- 37A Steam Generator 21	W-E Shell to Trans Cone	C 1. 10	UT					S						
2-ISI- 37A Steam Generator 21	W-F Trans Cone to Shell	C 1. 10	UT					S						
2-ISI- 37A Steam Generator 21	W-G Shell to Shell	C 1. 10	UT											
2-ISI- 37A Steam Generator 21	W-H Top Head to Shell	C 1. 20	UT			S								
2-ISI- 37B Steam Generator 22	B- 1 Inlet Manway Bolts	B 7. 30	VT1						S					
2-ISI- 37B Steam Generator 22	B- 2 Outlet Manway Bolts	B 7. 30	VT1							S				
2-ISI- 37B Steam Generator 22	N- 1 Feedwater Nozzle	C 2. 21	MT UT			S								
2-ISI- 37B Steam Generator 22	N- 1 IR FW Nozzle Inner Radi	C 2. 22	UT			S								
2-ISI- 37B Steam Generator 22	N- 4 Main Steam Nozzle	C 2. 21	MT UT						S					
2-ISI- 37B Steam Generator 22	N- 4 IR MS Nozzle Inner Radi	C 2. 22	UT						S					
2-ISI- 37B Steam Generator 22	N- 5 Inlet Nozzle	B 3.130	UT							S				
2-ISI- 37B Steam Generator 22	N- 5 IR Nozzle Inner Radius	B 3.140	UT							S				
2-ISI- 37B Steam Generator 22	N- 6 Outlet Nozzle	B 3.130	UT						S					
2-ISI- 37B Steam Generator 22	N- 6 IR Nozzle Inner Radius	B 3.140	UT						S					
2-ISI- 37B Steam Generator 22	W-A Tube Sheet to Head	B 2. 40	UT		S		S		S					
2-ISI- 37B Steam Generator 22	W-B Tube Sheet to Shell	C 1. 30	UT						S					
2-ISI- 37B Steam Generator 22	W-C Shell to Shell	C 1. 10	UT											

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ISO System	Item Description	ASME Item Number	Method	Relief Requests & Notes	Schedule									
					95	97	98	00	02	04	XX	XX	XX	XX
2-151- 37B Steam Generator 22	W-D Shell to Shell	C 1. 10	UT											
2-151- 37B Steam Generator 22	W-E Shell to Trans Cone	C 1. 10	UT											
2-151- 37B Steam Generator 22	W-F Trans Cone to Shell	C 1. 10	UT							S				
2-151- 37B Steam Generator 22	W-G Shell to Shell	C 1. 10	UT											
2-151- 37B Steam Generator 22	W-H Top Head to Shell	C 1. 20	UT											
2-151- 37C Steam Generator 21	H- 1 Snubber 1	F-A, CL I	VT3											
2-151- 37C Steam Generator 21	H- 2 Snubber 2	F-A, CL I	VT3											
2-151- 37C Steam Generator 21	H- 3 Snubber 3	F-A, CL I	VT3						S					
2-151- 37C Steam Generator 21	H- 4 Snubber 4	F-A, CL I	VT3											
2-151- 37C Steam Generator 21	H- 5 Spring 1	F-A, CL I	VT3											
2-151- 37C Steam Generator 21	H- 6 Spring 2	F-A, CL I	VT3						S					
2-151- 37C Steam Generator 21	H- 7 Pad 1	F-A, CL I	VT3			S								
2-151- 37C Steam Generator 21	H- 7A Pad 2	F-A, CL I	VT3											
2-151- 37C Steam Generator 21	H- 8 Pad 3	F-A, CL I	VT3											
2-151- 37C Steam Generator 21	H- 8A Pad 4	F-A, CL I	VT3											
2-151- 37C Steam Generator 21	H- 9 Girder	F-A, CL I	VT3				S							
2-151- 37C Steam Generator 21	H-10 Fixture 1	F-A, CL I	VT3											
2-151- 37C Steam Generator 21	H-11 Fixture 2	F-A, CL I	VT3						S					
2-151- 37C Steam Generator 21	H-12 Fixture 3	F-A, CL I	VT3											
2-151- 37C Steam Generator 21	H-13 Lower Pad 1	F-A, CL I	VT3											
2-151- 37C Steam Generator 21	H-14 Lower Pad 2	F-A, CL I	VT3											
2-151- 37C Steam Generator 21	H-15 Lower Pad 3	F-A, CL I	VT3											
2-151- 37C Steam Generator 21	H-16 Lower Pad 4	F-A, CL I	VT3				S							
2-151- 37C Steam Generator 21	H-17 Col 1 Bumper	F-A, CL I	VT3											
2-151- 37C Steam Generator 21	H-18 Col 2 Bumper	F-A, CL I	VT3											
2-151- 37C Steam Generator 21	H-19 Col 3 Bumper	F-A, CL I	VT3											
2-151- 37C Steam Generator 21	H-20 Col 4 Bumper	F-A, CL I	VT3				S							
2-151- 37C Steam Generator 21	H-21 Col 1 Top Connect	F-A, CL I	VT3											
2-151- 37C Steam Generator 21	H-22 Col 2 Top Connect	F-A, CL I	VT3											
2-151- 37C Steam Generator 21	H-23 Col 3 Top Connect	F-A, CL I	VT3											
2-151- 37C Steam Generator 21	H-24 Col 4 Top Connect	F-A, CL I	VT3				S							
2-151- 37C Steam Generator 21	H-25 Col 1 Base	F-A, CL I	VT3											
2-151- 37C Steam Generator 21	H-26 Col 2 Base	F-A, CL I	VT3											
2-151- 37C Steam Generator 21	H-27 Col 3 Base	F-A, CL I	VT3											
2-151- 37C Steam Generator 21	H-28 Col 4 Base	F-A, CL I	VT3			S								
2-151- 37C Steam Generator 21	H-29 Column 1	F-A, CL I	VT3											
2-151- 37C Steam Generator 21	H-30 Column 2	F-A, CL I	VT3											

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ISO System	Item Description	ASME Item Number	Method	Relief Requests & Notes	Schedule								
					95	97	98	00	02	04	XX	XX	XX
2-151- 37C Steam Generator 21	H-31 Column 3	F-A, CL I	VT3										
2-151- 37C Steam Generator 21	H-32 Column 4	F-A, CL I	VT3			S							
2-151- 37D Steam Generator 22	H- 1 Snubber 1	F-A, CL I	VT3										
2-151- 37D Steam Generator 22	H- 2 Snubber 2	F-A, CL I	VT3										
2-151- 37D Steam Generator 22	H- 3 Snubber 3	F-A, CL I	VT3										
2-151- 37D Steam Generator 22	H- 4 Snubber 4	F-A, CL I	VT3			S							
2-151- 37D Steam Generator 22	H- 5 Spring 1	F-A, CL I	VT3						S				
2-151- 37D Steam Generator 22	H- 6 Spring 2	F-A, CL I	VT3										
2-151- 37D Steam Generator 22	H- 7 Pad 1	F-A, CL I	VT3										
2-151- 37D Steam Generator 22	H- 7A Pad 2	F-A, CL I	VT3										
2-151- 37D Steam Generator 22	H- 8 Pad 3	F-A, CL I	VT3										
2-151- 37D Steam Generator 22	H- 8A Pad 4	F-A, CL I	VT3				S						
2-151- 37D Steam Generator 22	H- 9 Girder	F-A, CL I	VT3			S							
2-151- 37D Steam Generator 22	H-10 Fixture 1	F-A, CL I	VT3							S			
2-151- 37D Steam Generator 22	H-11 Fixture 2	F-A, CL I	VT3										
2-151- 37D Steam Generator 22	H-12 Fixture 3	F-A, CL I	VT3										
2-151- 37D Steam Generator 22	H-13 Lower Pad 1	F-A, CL I	VT3										
2-151- 37D Steam Generator 22	H-14 Lower Pad 2	F-A, CL I	VT3										
2-151- 37D Steam Generator 22	H-15 Lower Pad 3	F-A, CL I	VT3							S			
2-151- 37D Steam Generator 22	H-16 Lower Pad 4	F-A, CL I	VT3										
2-151- 37D Steam Generator 22	H-17 Col 1 Bumper	F-A, CL I	VT3				S						
2-151- 37D Steam Generator 22	H-18 Col 2 Bumper	F-A, CL I	VT3										
2-151- 37D Steam Generator 22	H-19 Col 3 Bumper	F-A, CL I	VT3										
2-151- 37D Steam Generator 22	H-20 Col 4 Bumper	F-A, CL I	VT3										
2-151- 37D Steam Generator 22	H-21 Col 1 Top Connect	F-A, CL I	VT3				S						
2-151- 37D Steam Generator 22	H-22 Col 2 Top Connect	F-A, CL I	VT3										
2-151- 37D Steam Generator 22	H-23 Col 3 Top Connect	F-A, CL I	VT3										
2-151- 37D Steam Generator 22	H-24 Col 4 Top Connect	F-A, CL I	VT3										
2-151- 37D Steam Generator 22	H-25 Col 1 Base	F-A, CL I	VT3							S			
2-151- 37D Steam Generator 22	H-26 Col 2 Base	F-A, CL I	VT3										
2-151- 37D Steam Generator 22	H-27 Col 3 Base	F-A, CL I	VT3										
2-151- 37D Steam Generator 22	H-28 Col 4 Base	F-A, CL I	VT3										
2-151- 37D Steam Generator 22	H-29 Column 1	F-A, CL I	VT3							S			
2-151- 37L Steam Generator 22	H-30 Column 2	F-A, CL I	VT3										
2-151- 37D Steam Generator 22	H-31 Column 3	F-A, CL I	VT3										
2-151- 37D Steam Generator 22	H-32 Column 4	F-A, CL I	VT3										
2-151- 38 RV Concessal Bolting	H- 3 Marion Clamp # 120	B 7, 10	VT1			S							

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					95	97	98	00	02	04	XX	XX	XX	XX
2-ISI- 38	B- 2	B 7. 10												
RV Conoseal Bolting	Marmon Clamp # 240		VT1					S						
2-ISI- 38	B- 3	B 7. 10												
RV Conoseal Bolting	Marmon Clamp # 360		VT1							S				
2-ISI- 39	RV Nuts 1-48	B 6. 10				S		S		S				
Reactor Vessel	Nuts		MT											
2-ISI- 39	RV Studs 1-48	B 6. 30				S		S		S				
Reactor Vessel	Studs		PT UT											
2-ISI- 39	RV Studs 1-48	B 6. 20												
Reactor Vessel	Studs		UT											
2-ISI- 39	RV Wshrs 1-48	B 6. 50				S		S		S				
Reactor Vessel	Washers		VT1											
2-ISI- 40	Lug # 270	B 8. 10												
Reactor Vessel	RV Support Lug		MT											
2-ISI- 40	Lug # 90	B 8. 10												
Reactor Vessel	RV Support Lug		MT											
2-ISI- 40	N- 6	B 3. 90									S			
Reactor Vessel	Inlet Nozzle A		UT											
2-ISI- 40	N- 6 IR	B 3.100									S			
Reactor Vessel	Inlet Nozzle A		UT											
2-ISI- 40	N- 7	B 3. 90									S			
Reactor Vessel	Outlet Nozzle A		UT											
2-ISI- 40	N- 7 IR	B 3.100									S			
Reactor Vessel	Outlet Nozzle A		UT											
2-ISI- 40	N- 8	B 3. 90									S			
Reactor Vessel	SI Nozzle Loop B		UT											
2-ISI- 40	N- 8 IR	B 3.100									S			
Reactor Vessel	SI Nozzle Loop B		UT											
2-ISI- 40	N- 9	B 3. 90									S			
Reactor Vessel	Inlet Nozzle B		UT											
2-ISI- 40	N- 9 IR	B 3.100									S			
Reactor Vessel	Inlet Nozzle B		UT											
2-ISI- 40	N-10	B 3. 90									S			
Reactor Vessel	Outlet Nozzle B		UT											
2-ISI- 40	N-10 IR	B 3.100									S			
Reactor Vessel	Outlet Nozzle B		UT											
2-ISI- 40	N-11	B 3. 90									S			
Reactor Vessel	SI Nozzle Loop A		UT											
2-ISI- 40	N-11 IR	B 3.100									S			
Reactor Vessel	SI Nozzle Loop A		UT											
2-ISI- 41	W- 6	B 1. 40				S		S		S				
RV Closure Head	Head to Flange		MT UT											
2-ISI- 41A	36 Thimble Weld	B 4. 13									S			
RV Bottom Head	36 Incore In Thimble		VT2											
2-ISI- 41A	B- 1	B 7. 80												
RV Top Head	CRD-1 Housing Bolts		VT1											
2-ISI- 41A	B- 2	B 7. 80												
RV Top Head	CRD-2 Housing Bolts		VT1											
2-ISI- 41A	B- 3	B 7. 80												
RV Top Head	CRD-3 Housing Bolts		VT1											
2-ISI- 41A	B- 4	B 7. 80												
RV Top Head	CRD-4 Housing Bolts		VT1											
2-ISI- 41A	B- 5	B 7. 80												
RV Top Head	CRD-5 Housing Bolts		VT1											
2-ISI- 41A	B- 6	B 7. 80												
RV Top Head	CRD-6 Housing Bolts		VT1											
2-ISI- 41A	B- 7	B 7. 80												
RV Top Head	CRD-7 Housing Bolts		VT1											
2-ISI- 41A	B- 8	B 7. 80												
RV Top Head	CRD-8 Housing Bolts		VT1											
2-ISI- 41A	B- 9	B 7. 80												
RV Top Head	CRD-9 Housing Bolts		VT1											
2-ISI- 41A	B-10	B 7. 80												
RV Top Head	CRD-10 Housing Bolts		VT1											
2-ISI- 41A	B-11	B 7. 80												
RV Top Head	CRD-11 Housing Bolts		VT1											
2-ISI- 41A	B-12	B 7. 80												
RV Top Head	CRD-12 Housing Bolts		VT1											
2-ISI- 41A	B-13	B 7. 80												
RV Top Head	CRD-13 Housing Bolts		VT1											
2-ISI- 41A	B-14	B 7. 80												
RV Top Head	CRD-14 Housing Bolts		VT1											
2-ISI- 41A	B-15	B 7. 80												
RV Top Head	CRD-15 Housing Bolts		VT1											

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					95	97	98	00	02	04	XX	XX	XX	XX
2-ISI- 41A	B-16	B 7. 80												
RV Top Head	CRD-16 Housing Bolts		VT1											
2-ISI- 41A	B-17	B 7. 80												
RV Top Head	CRD-17 Housing Bolts		VT1											
2-ISI- 41A	B-18	B 7. 80												
RV Top Head	CRD-18 Housing Bolts		VT1											
2-ISI- 41A	B-19	B 7. 80												
RV Top Head	CRD-19 Housing Bolts		VT1											
2-ISI- 41A	B-20	B 7. 80												
RV Top Head	CRD-20 Housing Bolts		VT1											
2-ISI- 41A	B-21	B 7. 80												
RV Top Head	CRD-21 Housing Bolts		VT1											
2-ISI- 41A	B-22	B 7. 80												
RV Top Head	CRD-22 Housing Bolts		VT1											
2-ISI- 41A	B-23	B 7. 80												
RV Top Head	CRD-23 Housing Bolts		VT1											
2-ISI- 41A	B-24	B 7. 80												
RV Top Head	CRD-24 Housing Bolts		VT1											
2-ISI- 41A	B-25	B 7. 80												
RV Top Head	CRD-25 Housing Bolts		VT1											
2-ISI- 41A	B-26	B 7. 80												
RV Top Head	CRD-26 Housing Bolts		VT1											
2-ISI- 41A	B-27	B 7. 80												
RV Top Head	CRD-27 Housing Bolts		VT1											
2-ISI- 41A	B-28	B 7. 80												
RV Top Head	CRD-28 Housing Bolts		VT1											
2-ISI- 41A	B-29	B 7. 80												
RV Top Head	CRD-29 Housing Bolts		VT1											
2-ISI- 41A	B-30	B 7. 80												
RV Top Head	CRD-30 Housing Bolts		VT1											
2-ISI- 41A	B-31	B 7. 80												
RV Top Head	CRD-31 Housing Bolts		VT1											
2-ISI- 41A	B-32	B 7. 80												
RV Top Head	CRD 32 Housing Bolts		VT1											
2-ISI- 41A	B-33	B 7. 80												
RV Top Head	CRD-33 Housing Bolts		VT1											
2-ISI- 41A	B-38	B 7. 80												
RV Top Head	CRD-38 Housing Bolts		VT1											
2-ISI- 41A	B-39	B 7. 80												
RV Top Head	CRD-39 Housing Bolts		VT1											
2-ISI- 41A	B-40	B 7. 80												
RV Top Head	CRD-40 Housing Bolts		VT1											
2-ISI- 41A	B-41	B 7. 80												
RV Top Head	CRD-41 Housing Bolts		VT1											
2-ISI- 41A	N- 1	B 4. 12									S			
RV Top Head	CRD-1 Nozzle		VT2											
2-ISI- 41A	N- 2	B 4. 12									S			
RV Top Head	CRD-2 Nozzle		VT2											
2-ISI- 41A	N- 3	B 4. 12									S			
RV Top Head	CRD-3 Nozzle		VT2											
2-ISI- 41A	N- 4	B 4. 12									S			
RV Top Head	CRD-4 Nozzle		VT2											
2-ISI- 41A	N- 5	B 4. 12									S			
RV Top Head	CRD-5 Nozzle		VT2											
2-ISI- 41A	N- 6	B 4. 12									S			
RV Top Head	CRD-6 Nozzle		VT2											
2-ISI- 41A	N- 7	B 4. 12									S			
RV Top Head	CRD-7 Nozzle		VT2											
2-ISI- 41A	N- 8	B 4. 12									S			
RV Top Head	CRD-8 Nozzle		VT2											
2-ISI- 41A	N- 9	B 4. 12									S			
RV Top Head	CRD-9 Nozzle		VT2											
2-ISI- 41A	N-10	B 4. 12									S			
RV Top Head	CRD-10 Nozzle		VT2											
2-ISI- 41A	N-11	B 4. 12									S			
RV Top Head	CRD-11 Nozzle		VT2											
2-ISI- 41A	N-12	B 4. 12									S			
RV Top Head	CRD-12 Nozzle		VT2											
2-ISI- 41A	N-13	B 4. 12									S			
RV Top Head	CRD-13 Nozzle		VT2											
2-ISI- 41A	N-14	B 4. 12									S			
RV Top Head	CRD-14 Nozzle		VT2											
2-ISI- 41A	N-15	B 4. 12									S			
RV Top Head	CRD-15 Nozzle		VT2											

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					95	97	98	00	02	04	XX	XX	XX	XX
2-ISI- 41A	N-16	B 4. 12												
RV Top Head	CRD-16 Nozzle		VT2							S				
2-ISI- 41A	N-17	B 4. 12												
RV Top Head	CRD-17 Nozzle		VT2							S				
2-ISI- 41A	N-18	B 4. 12												
RV Top Head	CRD-18 Nozzle		VT2							S				
2-ISI- 41A	N-19	B 4. 12												
RV Top Head	CRD-19 Nozzle		VT2							S				
2-ISI- 41A	N-20	B 4. 12												
RV Top Head	CRD-20 Nozzle		VT2							S				
2-ISI- 41A	N-21	B 4. 12												
RV Top Head	CRD-21 Nozzle		VT2							S				
2-ISI- 41A	N-22	B 4. 12												
RV Top Head	CRD-22 Nozzle		VT2							S				
2-ISI- 41A	N-23	B 4. 12												
RV Top Head	CRD-23 Nozzle		VT2							S				
2-ISI- 41A	N-24	B 4. 12												
RV Top Head	CRD-24 Nozzle		VT2							S				
2-ISI- 41A	N-25	B 4. 12												
RV Top Head	CRD-25 Nozzle		VT2							S				
2-ISI- 41A	N-26	B 4. 12												
RV Top Head	CRD-26 Nozzle		VT2							S				
2-ISI- 41A	N-27	B 4. 12												
RV Top Head	CRD-27 Nozzle		VT2							S				
2-ISI- 41A	N-28	B 4. 12												
RV Top Head	CRD-28 Nozzle		VT2							S				
2-ISI- 41A	N-29	B 4. 12												
RV Top Head	CRD-29 Nozzle		VT2							S				
2-ISI- 41A	N-30	B 4. 12												
RV Top Head	CRD-30 Nozzle		VT2							S				
2-ISI- 41A	N-31	B 4. 12												
RV Top Head	CRD-31 Nozzle		VT2							S				
2-ISI- 41A	N-32	B 4. 12												
RV Top Head	CRD-32 Nozzle		VT2							S				
2-ISI- 41A	N-33	B 4. 12												
RV Top Head	CRD-33 Nozzle		VT2							S				
2-ISI- 41A	N-34	B 4. 13												
RV Top Head	Instrument Pen		VT2							S				
2-ISI- 41A	N-35	B 4. 13												
RV Top Head	Instrument Pen		VT2							S				
2-ISI- 41A	N-36	B 4. 11												
RV Top Head	RV Head Vnt		VT2							S				
2-ISI- 41A	N-37	B 4. 13												
RV Top Head	Instrum i Pen		VT2							S				
2-ISI- 41A	N-38	B 4. 12												
RV Top Head	CRD-38 Nozzle		VT2							S				
2-ISI- 41A	N-39	B 4. 12												
RV Top Head	CRD-39 Nozzle		VT2							S				
2-ISI- 41A	N-40	B 4. 12												
RV Top Head	CRD-40 Nozzle		VT2							S				
2-ISI- 41A	N-41	B 4. 12												
RV Top Head	CRD-41 Nozzle		VT2							S				
2-ISI- 41A	W-14	B14. 10												
RV Top Head	CRD-14 Housing Weld		MT UT											
2-ISI- 41A	W-15	B14. 10												
RV Top Head	CRD-15 Housing Weld		PT UT				S							
2-ISI- 41A	W-16	B14. 10												
RV Top Head	CRD-16 Housing Weld		MT UT											
2-ISI- 41A	W-17	B14. 10												
RV Top Head	CRD-17 Housing Weld		MT UT											
2-ISI- 41A	W-18	B14. 10												
RV Top Head	CRD-18 Housing Weld		MT UT											
2-ISI- 41A	W-19	B14. 10												
RV Top Head	CRD-19 Housing Weld		MT UT											
2-ISI- 41A	W-20	B14. 10												
RV Top Head	CRD-20 Housing Weld		MT UT											
2-ISI- 41A	W-21	B14. 10												
RV Top Head	CRD-21 Housing Weld		MT UT							S				
2-ISI- 41A	W-22	B14. 10												
RV Top Head	CRD-22 Housing Weld		MT UT											
2-ISI- 41A	W-23	B14. 10												
RV Top Head	CRD-23 Housing Weld		MT UT											
2-ISI- 41A	W-24	B14. 10												
RV Top Head	CRD-24 Housing Weld		MT UT											

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					95	97	98	00	02	04	XX	XX	XX	XX
2-151- 41A	W-25	B14. 10												
RV Top Head	CRD-25 Housing Weld		MT UT											
2-151- 41A	W-26	B14. 10												
RV Top Head	CRD-26 Housing Weld		MT UT											
2-151- 41A	W-27	B14. 10												
RV Top Head	CRD-27 Housing Weld		MT UT											
2-151- 41A	W-28	B14. 10												
RV Top Head	CRD-28 Housing Weld		MT UT											
2-151- 41A	W-29	B14. 10												
RV Top Head	CRD-29 Housing Weld		MT UT											
2-151- 41A	W-30	B14. 10												
RV Top Head	CRD-30 Housing Weld		MT UT											
2-151- 41A	W-31	B14. 10												
RV Top Head	CRD 31 Housing Weld		MT UT											
2-151- 41A	W-32	B14. 10												
RV Top Head	CRD 32 Housing Weld		MT UT											
2-151- 41A	W-33	B14. 10												
RV Top Head	CRD-33 Housing Weld		MT UT											
2-151- 42	Ligaments 1-48	B 6. 40				S		S		S				
Reactor Vessel	"Ligaments"		UT											
2-151- 42	RV- 1	B13. 10				S		S		S				
Reactor Vessel	Interior		VT3											
2-151- 42	RV- 2	B13. 50								S				
Reactor Vessel	Int Attach - Beltline		VT1											
2-151- 42	RV- 3	B13. 60								S				
Reactor Vessel	Int Attach Beyond BL		VT3											
2-151- 42	W- 1	B 1. 30				S				S				
Reactor Vessel	Vessel Shell-Flange		UT											
2-151- 42	W- 2	B 1. 11								S				
Reactor Vessel	Shell - Shell		UT											
2-151- 42	W- 3	B 1. 11								S				
Reactor Vessel	Shell - Shell		UT											
2-151- 42	W- 4	B 1. 11								S				
Reactor Vessel	Shell - Bottom Head		UT											
2-151- 42	W- 5	B 1. 21								S				
Reactor Vessel	Bottom Head		UT											
2-151- 43	RV- 4	B13. 70								S				
Reactor Vessel	Core Support Struct		VT3											
2-151- 43A	B- 1	B 6.180					S		S					
RC Pump 21	Flange Bolts		UT											
2-151- 43A	B- 2	B 6.190												
RC Pump 21	Flange Surface		VT1											
2-151- 43A	B- 3	B 7. 60							S					
RC Pump 21	Lower Seal House		VT1											
2-151- 43A	B- 4	B 7. 60							S					
RC Pump 21	Upper Seal House		VT1											
2-151- 43A	H- 1	F-A, CL 1												
RC Pump 21	Col 1 Tie Back		VT3											
2-151- 43A	H- 1A	F-A & B10. 20												
RC Pump 21	Col 1 Bumper		VT3											
2-151- 43A	H- 2	F-A, CL 1							S					
RC Pump 21	Col 2 Tie Back		VT3											
2-151- 43A	H- 2A	F-A & B10. 20							S					
RC Pump 21	Col 2 Bumper		VT3											
2-151- 43A	H- 3	F-A, CL 1												
RC Pump 21	Col 3 Tie Back		VT3											
2-151- 43A	H- 3A	F-A & B10. 20												
RC Pump 21	Col 3 Bumper		VT3											
2-151- 43A	H- 4	F-A, CL 1												
RC Pump 21	Pad 1		VT3											
2-151- 43A	H- 5	F-A, CL 1							S					
RC Pump 21	Pad 2		VT3											
2-151- 43A	H- 6	F-A, CL 1												
RC Pump 21	Pad 3		VT3											
2-151- 43A	H- 7	F-A, CL 1												
RC Pump 21	Col 1 Top Connect		VT3											
2-151- 43A	H- 8	F-A, CL 1							S					
RC Pump 21	Col 2 Top Connect		VT3											
2-151- 43A	H- 9	F-A, CL 1												
RC Pump 21	Col 3 Top Connect		VT3											
2-151- 43A	H-10	F-A, CL 1												
RC Pump 21	Col 1 Base		VT3											
2-151- 43A	H-11	F-A, CL 1							S					
RC Pump 21	Col 2 Base		VT3											

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					95	97	98	00	02	04	XX	XX	XX
2-151- 43A RC Pump 21	H-12 Col 3 Base	F-A, CL 1	VT3										
2-151- 43A RC Pump 21	H-13 Column 1	F-A, CL 1	VT3										
2-151- 43A RC Pump 21	H-14 Column 2	F-A, CL 1	VT3				S						
2-151- 43A RC Pump 21	H-15 Column 3	F-A, CL 1	VT3										
2-151- 43A RC Pump 21	P- 1 Pump Int Surfaces	B12. 20	VT3	3									
2-151- 43A RC Pump 21 Flywheel	Pump # 21 Body	TS.4.2-1						S					
2-151- 43A RC Pump 21 Flywheel	Pump # 21 Keyway & Bore	TS.4.2-1				S		S					
2-151- 43A RC Pump 21 Flywheel	Pump # 21 Periphery	TS.4.2-1						S					
2-151- 43A RC Pump 21	W- 1 Pump Casement Weld	B12. 10	VT1 VT2							S			
2-151- 43B RC Pump 22	B- 1 Flange Bolts	B 6.180	UT			S		S		S			
2-151- 43B RC Pump 22	B- 2 Flange Surface	B 6.190	VT1										
2-151- 43B RC Pump 22	B- 3 Lower Seal House	B 7. 60	VT1			S							
2-151- 43B RC Pump 22	B- 4 Upper Seal House	B 7. 60	VT1			S							
2-151- 43B RC Pump 22	H- 1 Col 1 Tie Back	F-A, CL 1	VT3										
2-151- 43B RC Pump 22	H- 1A Col 1 Bumper	F-A & B10. 20	VT3										
2-151- 43B RC Pump 22	H- 2 Col 2 Tie Back	F-A, CL 1	VT3										
2-151- 43B RC Pump 22	H- 2A Col 2 Bumper	F-A & B10. 20	VT3										
2-151- 43B RC Pump 22	H- 3 Col 3 Tie Back	F-A, CL 1	VT3			S							
2-151- 43B RC Pump 22	H- 3A Col 3 Bumper	F-A & B10. 20	VT3			S							
2-151- 43B RC Pump 22	H- 4 Pad 1	F-A, CL 1	VT3										
2-151- 43B RC Pump 22	H- 5 Pad 2	F-A, CL 1	VT3										
2-151- 43B RC Pump 22	H- 6 Pad 3	F-A, CL 1	VT3			S							
2-151- 43B RC Pump 22	H- 7 Col 1 Top Connect	F-A, CL 1	VT3										
2-151- 43B RC Pump 22	H- 8 Col 2 Top Connect	F-A, CL 1	VT3										
2-151- 43B RC Pump 22	H- 8 Col 3 Top Connect	F-A, CL 1	VT3				S						
2-151- 43B RC Pump 22	H-10 Col 1 Base	F-A, CL 1	VT3										
2-151- 43B RC Pump 22	H-11 Col 2 Base	F-A, CL 1	VT3										
2-151- 43B RC Pump 22	H-12 Col 3 Base	F-A, CL 1	VT3				S						
2-151- 43B RC Pump 22	H-13 Column 1	F-A, CL 1	VT3										
2-151- 43B RC Pump 22	H-14 Column 2	F-A, CL 1	VT3										
2-151- 43B RC Pump 22	H-15 Column 3	F-A, CL 1	VT3				S						
2-151- 43B RC Pump 22	P- 1 Pump Int Surfaces	B12. 20	VT3	3									
2-151- 43B RC Pump 22 Flywheel	Pump # 22 Body	TS.4.2-1								S			
2-151- 43B RC Pump 22 Flywheel	Pump # 22 Keyway & Bore	TS.4.2-1				S		S		S			
2-151- 43B RC Pump 22 Flywheel	Pump # 22 Periphery	TS.4.2-1								S			
2-151- 43B RC Pump 22	W- 1 Pump Casement Weld	B12. 10	VT1 VT2							S			
2-151- 46A Main Steam A	H- 1 Rupture Restraint	F-A & C 3. 20	MT VT3				S						

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					95	97	98	00	02	04	XX	XX	XX
2-ISI- 46A Main Steam A	H- 2 Seismic Restraint	F-A & C 3. 20	MT VT3				S						
2-ISI- 46A Main Steam A	H- 3 Seismic Restraint	F-A & C 3. 20	MT VT3				S						
2-ISI- 46A Main Steam A	H- 4 Rupture Restraint	F-A & C 3. 20	MT VT3				S						
2-ISI- 46A Main Steam A	H- 5 Restraint Bracket	F-A & C 3. 20	MT VT3							S			
2-ISI- 46A Main Steam A	H- 6 Constant Sup/Clamp	F-A, CL II	VT3										
2-ISI- 46A Main Steam A	H- 7 Restraint Bracket	F-A & C 3. 20	MT VT3							S			
2-ISI- 46A Main Steam A	H- 8 Double Snubber Clamp	F-A, CL II	VT3						S				
2-ISI- 46A Main Steam A	H- 9 Rupture Restraint	F-A & C 3. 20	MT VT3			3							
2-ISI- 46A Main Steam A	H-10 Restraint Bracket	F-A & C 3. 20	MT VT3			S							
2-ISI- 46A Main Steam A	H-11 Piping Anchor	F-A & C 3. 20	MT VT3						S				
2-ISI- 46A Main Steam A	H-12 Rupture Restraint	F-A, CL II	VT3						S				
2-ISI- 46A Main Steam A	W- 1/LSUD Nozzle to Red Elbow	C 5. 50	MT UT				S						
2-ISI- 46A Main Steam A	W- 2/LSUD Red Elbow to Pipe	C 5. 50	MT UT										
2-ISI- 46A Main Steam A	W- 3/LSUD Pipe to Elbow	C 5. 50	MT UT										
2-ISI- 46A Main Steam A	W- 4/LSUD Elbow to Pipe	C 5. 50	MT UT										
2-ISI- 46A Main Steam A	W- 5/LSUD Pipe to Pipe	C 5. 50	MT UT										
2-ISI- 46A Main Steam A	W- 6/LSUD Pipe to Elbow	C 5. 50	MT UT										
2-ISI- 46A Main Steam A	W- 7/LSUD Elbow to Pipe	C 5. 50	MT UT										
2-ISI- 46A Main Steam A	W- 8/LSUD Pipe to Elbow	C 5. 50	MT UT										
2-ISI- 46A Main Steam A	W- 9/LSUD Elbow To Pipe	C 5. 50	MT UT										
2-ISI- 46A Main Steam A	W-10/LSUD Pipe To Pipe	C 5. 50	MT UT										
2-ISI- 46A Main Steam A	W-11/LSUD Pipe to Elbow	C 5. 50	MT UT										
2-ISI- 46A Main Steam A	W-12/LSUD Elbow To Pipe	C 5. 50	MT UT										
2-ISI- 46A Main Steam A	W-13/LSUD Pipe To Pipe	C 5. 50	MT UT										
2-ISI- 46A Main Steam A	W-14/LSUD Pipe to 15 Elbow	C 5. 50	MT UT										
2-ISI- 46A Main Steam A	W-15/LSU 15 Elbow to Anchor	C 5. 50	MT UT										
2-ISI- 46A Main Steam A	W-16/LSU Anchor to 15 Elbow	C 5. 50	MT UT										
2-ISI- 46A Main Steam A	W-17/LSUD 15 Elbow to Pipe	C 5. 50	MT UT										
2-ISI- 46A Main Steam A	W-18/LSU Pipe To Penetration	C 5. 50	MT UT						S				
2-ISI- 46B Main Steam A	H- 1 Rupture Restraint	F-A & C 3. 20	MT VT3	I									
2-ISI- 46B Main Steam A	H- 2 Rigid Base/Clamp	F-A, CL II	VT3										
2-ISI- 46B Main Steam A	H- 3 Header Restraint	F-A, CL II	VT3						S				
2-ISI- 46B Main Steam A	H- 4 Support	F-A, CL II	VT3										
2-ISI- 46B Main Steam A	H- 5 Rupture Restraint	F-A & C 3. 20	MT VT3			S							
2-ISI- 46B Main Steam A	H- 6 Double Snubber/Clamp	F-A, CL II	VT3			S							
2-ISI- 46B Main Steam A	H- 7 Constant Support	F-A, CL II	VT3										
2-ISI- 46B Main Steam A	W- 1/LSU Penetration to Pipe	C 5. 50	MT UT							S			

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					95	97	98	00	02	04	XX	XX	XX	XX
2-ISI- 46B	W- 2/LSUD	C 5. 50												
Main Steam A	Pipe to Pipe		MT UT											
2-ISI- 46B	W- 3/LSUD	C 5. 50												
Main Steam A	Pipe to 59 Elbow		MT UT											
2-ISI- 46B	W- 4/LSUD	C 5. 50												
Main Steam A	59 Elbow to Pipe		MT UT											
2-ISI- 46B	W- 5/LSUD	C 5. 50		I										
Main Steam A	Pipe to Red Tee		MT UT											
2-ISI- 46B	W- 6/LSUD	C 5. 50		I										
Main Steam A	Red Tee to 45 Elbow		MT UT											
2-ISI- 46B	W- 7/LSUD	C 5. 50 & HELB						S						
Main Steam A	45 Elbow To Pipe		MT UT											
2-ISI- 46B	W- 8/LSU	C 5. 50												
Main Steam A	Pipe to Valve		MT UT											
2-ISI- 46B	W- 9	C 5. 51												
Main Steam A	Valve to Valve		MT UT											
2-ISI- 46B	W-10/LSUD	C 5. 50		I										
Main Steam A	Red Tee to Pipe		MT UT											
2-ISI- 46B	W-11/LSUD	C 5. 50												
Main Steam A	Pipe to Tee		MT UT											
2-ISI- 46B	W-12/LSU	C 5. 80												
Main Steam A	Tee - Flanged Nozzle		MT											
2-ISI- 46B	W-13/LSUD	C 5. 50												
Main Steam A	Tee to Pipe		MT UT											
2-ISI- 46B	W-14/LSU	C 5. 80						S						
Main Steam A	Pipe-Flanged Nozzle		MT											
2-ISI- 46B	W-15/LSU	C 5. 80												
Main Steam A	Pipe-Flanged Nozzle		MT											
2-ISI- 46B	W-16/LSU	C 5. 50												
Main Steam A	Pipe to Cap		MT UT											
2-ISI- 46B	W-17/LSU	C 5. 80												
Main Steam A	Pipe to Sweepolet		MT											
2-ISI- 46B	W-18	C 5. 51												
Main Steam A	Sweepolet to Reducer		MT UT											
2-ISI- 46B	W-19/LSUD	C 5. 50												
Main Steam A	Tee to Pipe		MT UT											
2-ISI- 46B	W-20/LSU	C 5. 80		I										
Main Steam A	Pipe-Flanged Nozzle		MT											
2-ISI- 46B	W-21/LSU	C 5. 80												
Main Steam A	Pipe-Flanged Nozzle		MT											
2-ISI- 46B	W-22/LSU	C 5. 50												
Main Steam A	Pipe to Cap		MT UT											
2-ISI- 46B	W-23/LSU	C 5. 80												
Main Steam A	Pipe to Sweepolet		MT											
2-ISI- 46B	W-24	C 5. 51												
Main Steam A	Sweepolet to Cap		MT UT											
2-ISI- 46B	W-25/LSU	C 5. 80		I										
Main Steam A	Pipe to Sweepolet		MT											
2-ISI- 46B	W-26	C 5. 51		I										
Main Steam A	Sweepolet to Pipe		MT UT											
2-ISI- 46B	W-27	C 5. 51												
Main Steam A	Pipe to Elbow		MT UT											
2-ISI- 46B	W-28	C 5. 51												
Main Steam A	Elbow to Pipe		MT UT											
2-ISI- 46B	W-29	C 5. 51												
Main Steam A	Pipe to Valve		MT UT					S						
2-ISI- 46B	W-30	C 5. 51												
Main Steam A	Valve to Reducer		MT UT											
2-ISI- 46B	W-31	C 5. 51												
Main Steam A	Reducer to Valve		MT UT											
2-ISI- 47A	H- 1	F-A & C 3. 20						S						
Main Steam B	Rupture Restraint		MT VT3											
2-ISI- 47A	H- 2	F-A & C 3. 20						S						
Main Steam B	Seismic Restraint		MT VT3											
2-ISI- 47A	H- 3	F-A & C 3. 20						S						
Main Steam B	Seismic Restraint		MT VT3											
2-ISI- 47A	H- 4	F-A & C 3. 20					S							
Main Steam B	Rupture Restraint		MT VT3											
2-ISI- 47A	H- 5	F-A & C 3. 20		I		S								
Main Steam B	Rupture Restraint		MT VT3											
2-ISI- 47A	H- 6	F-A, CL II		I			S							
Main Steam B	Snubber		VT3											
2-ISI- 47A	H- 7	F-A, CL II		I						S				
Main Steam B	Constant /4 lugs		VT3											

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					95	97	98	00	02	04	XX	XX	XX	XX
2-ISI- 47A	H- 8	F-A & C 3. 20		I										
Main Steam B	Rupture Restraint		MT VT3											
2-ISI- 47A	H- 9	F-A & C 3. 20												
Main Steam B	Restraint Bracket		MT VT3							S				
2-ISI- 47A	H-10	F-A & C 3. 20		I										
Main Steam B	Elbow Anchor		MT VT3											
2-ISI- 47A	H-11	F-A & C 3. 20		I										
Main Steam B	Restraint		MT VT3											
2-ISI- 47A	W- 1/LSUD	C 5. 50							S					
Main Steam B	Nozzle To Red Elbow		MT UT											
2-ISI- 47A	W- 2/LSUD	C 5. 50												
Main Steam B	Red Elbow to Pipe		MT UT											
2-ISI- 47A	W- 3/LSUD	C 5. 50												
Main Steam B	Pipe to Elbow		MT UT											
2-ISI- 47A	W- 4/LSUD	C 5. 50					S							
Main Steam B	Elbow to Pipe		MT UT											
2-ISI- 47A	W- 5/LSUD	C 5. 50												
Main Steam B	Pipe to Pipe		MT UT											
2-ISI- 47A	W- 6/LSUD	C 5. 50												
Main Steam B	Pipe to Pipe		MT UT											
2-ISI- 47A	W- 7/LSUD	C 5. 50												
Main Steam B	Pipe to Pipe		MT UT											
2-ISI- 47A	W- 8/LSUD	C 5. 50		I										
Main Steam B	Pipe to Elbow		MT UT											
2-ISI- 47A	W- 9/LSUD	C 5. 50		I										
Main Steam B	Elbow to Pipe		MT UT											
2-ISI- 47A	W-10/LSUD	C 5. 50		I										
Main Steam B	Pipe to 40 Elbow		MT UT											
2-ISI- 47A	W-11/LSU	C 5. 50												
Main Steam B	40 Elbow - Anchor		MT UT											
2-ISI- 47A	W-12/LSUD	C 5. 50												
Main Steam B	Anchor-40 Elbow		MT UT											
2-ISI- 47A	W-13/LSUD	C 5. 50		I										
Main Steam B	40 Elbow To Pipe		MT UT											
2-ISI- 47A	W-14/LSUD	C 5. 50		I										
Main Steam B	Pipe to Penetration		MT UT											
2-ISI- 47B	H- 1	F-A & C 3. 20				S								
Main Steam B	Rupture Restraint		MT VT3											
2-ISI- 47B	H- 2	F-A & C 3. 20		I										
Main Steam B	Constant Support		MT VT3											
2-ISI- 47B	H- 3	F-A, CL II		I										
Main Steam B	Constant Support		VT3											
2-ISI- 47B	H- 4	F-A, CL II				S								
Main Steam B	Header Restraint		VT3											
2-ISI- 47B	H- 5	F-A, CL II												
Main Steam B	Support		VT3											
2-ISI- 47B	H- 6	F-A, CL II												
Main Steam B	Double Snubber/Clamp		VT3											
2-ISI- 47B	H- 7	F-A & C 3. 20		I										
Main Steam B	Rupture Restraint		MT VT3											
2-ISI- 47B	H- 8	F-A, CL II												
Main Steam B	Snubber/Clamp		VT3											
2-ISI- 47B	H- 9	F-A, CL II												
Main Steam B	Constant Support		VT3											
2-ISI- 47B	W- 1/LSUD	C 5. 50												
Main Steam B	Penetration to Pipe		MT UT											
2-ISI- 47B	W- 2/LSUD	C 5. 50		I										
Main Steam B	Pipe to Pipe		MT UT											
2-ISI- 47B	W- 3/LSUD	C 5. 50		I										
Main Steam B	Pipe to Elbow		MT UT											
2-ISI- 47B	W- 4/LSUD	C 5. 50		I										
Main Steam B	Elbow to Pipe		MT UT											
2-ISI- 47B	W- 5/LSUD	C 5. 50		I										
Main Steam B	Pipe to Elbow		MT UT											
2-ISI- 47B	W- 6/LSUD	C 5. 50		I										
Main Steam B	Elbow to Pipe		MT UT											
2-ISI- 47B	W- 7/LSU	C 5. 80		I										
Main Steam B	Pipe to Sweepolet		MT											
2-ISI- 47B	W- 8	C 5. 51		I										
Main Steam B	Sweepolet to Reducer		MT UT											
2-ISI- 47B	W- 9/LSUD	C 5. 50		I										
Main Steam B	Pipe to Red Tee		MT UT											
2-ISI- 47B	W-10/LSU	C 5. 50		I										
Main Steam B	Red Tee to Valve		MT UT											

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					95	97	98	00	02	04	XX	XX	XX	XX
2-ISI- 47B	W-11	C 5. 51												
Main Steam B	Valve to Valve		MT UT											
2-ISI- 47B	W-12/LSUD	C 5. 50		I										
Main Steam B	Red Tee to Pipe		MT UT											
2-ISI- 47B	W-13/LSUD	C 5. 50												
Main Steam B	Pipe to Tee		MT UT					S						
2-ISI- 47B	W-14/LSU	C 5. 80												
Main Steam B	Tee-Flanged Nozzle		MT											
2-ISI- 47B	W-15/LSUD	C 5. 50												
Main Steam B	Tee to Pipe		MT UT											
2-ISI- 47B	W-16/LSU	C 5. 80		I										
Main Steam B	Pipe-Flanged Nozzle		MT											
2-ISI- 47B	W-17/LSU	C 5. 50												
Main Steam B	Pipe-Flanged Nozzle		MT UT											
2-ISI- 47B	W-18/LSU	C 5. 50												
Main Steam B	Pipe to Cap		MT UT											
2-ISI- 47B	W-19/LSU	C 5. 80		I										
Main Steam B	Pipe to Sweepolet		MT											
2-ISI- 47B	W-20	C 5. 51												
Main Steam B	Sweepolet to Pipe		MT UT											
2-ISI- 47B	W-21	C 5. 51												
Main Steam B	Pipe to Elbow		MT UT											
2-ISI- 47B	W-22	C 5. 51												
Main Steam B	Elbow to Pipe		MT UT											
2-ISI- 47B	W-23	C 5. 51												
Main Steam B	Pipe to Valve		MT UT			S								
2-ISI- 47B	W-24	C 5. 51												
Main Steam B	Valve to Reducer		MT UT											
2-ISI- 47B	W-25	C 5. 51												
Main Steam B	Reducer to Valve		MT UT											
2-ISI- 47B	W-26/LSUD	C 5. 50												
Main Steam B	Tee to Pipe		MT UT											
2-ISI- 47B	W-27	C 5. 80				S								
Main Steam B	Pipe-Flanged Nozzle		MT											
2-ISI- 47B	W-28	C 5. 80												
Main Steam B	Pipe-Flanged Nozzle		MT											
2-ISI- 47B	W-29	C 5. 50												
Main Steam B	Pipe to Cap		MT UT											
2-ISI- 48	H- 1	F-A & C 3. 20							S					
Feedwater A	Seismic Restraint		MT VT3											
2-ISI- 48	H- 2	F-A & C 3. 20				S								
Feedwater A	Rupture Restraint		MT VT3											
2-ISI- 48	H- 3	F-A & C 3. 20				S								
Feedwater A	Seismic Anchor		MT VT3											
2-ISI- 48	H- 4	F-A & C 3. 20							S					
Feedwater A	Support		MT VT3											
2-ISI- 48	H- 5	F-A, CL II							S					
Feedwater A	Spring Hanger		VT3											
2-ISI- 48	H- 6	F-A & C 3. 20							S					
Feedwater A	Seismic Restraint		MT VT3											
2-ISI- 48	H- 7	F-A, CL II												
Feedwater A	Seismic Restraint		VT3											
2-ISI- 48	H- 8	F-A & C 3. 20							S					
Feedwater A	Seismic Restraint		MT VT3											
2-ISI- 48	H- 9	F-A, CL II							S					
Feedwater A	Spring Hanger		VT3											
2-ISI- 48	H-10	F-A, CL II												
Feedwater A	Double Snubber/Clamp		VT3											
2-ISI- 48	H-11	F-A & C 3. 20							S					
Feedwater A	Seismic Restraint		MT VT3											
2-ISI- 48	H-12	F-A & C 3. 20												
Feedwater A	Bearing Bracket		MT VT3	H										
2-ISI- 48	H-13	F-A & C 3. 20							S					
Feedwater A	Seismic Restraint		MT VT3											
2-ISI- 48	W- 1	C 5. 51												
Feedwater A	Valve to Pipe		MT UT											
2-ISI- 48	W- 2	C 5. 51												
Feedwater A	Pipe to Elbow		MT UT											
2-ISI- 48	W- 3	C 5. 51								S				
Feedwater A	Elbow to Pipe		MT UT											
2-ISI- 48	W- 4	C 5. 51												
Feedwater A	Pipe to Pipe		MT UT											
2-ISI- 48	W- 5	C 5. 51												
Feedwater A	Pipe to Penetration		MT UT											

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					95	97	98	00	02	04	XX	XX	XX	XX
2-ISI- 48	W- 6	C 5. 51												
Feedwater A	Penetration to Pipe		MT UT											
2-ISI- 48	W- 7	C 5. 51												
Feedwater A	Pipe to Elbow		MT UT											
2-ISI- 48	W- 8	C 5. 51												
Feedwater A	Elbow to Pipe		MT UT											
2-ISI- 48	W- 9	C 5. 51												
Feedwater A	Pipe to Elbow		MT UT											
2-ISI- 48	W-10	C 5. 51												
Feedwater A	Elbow to Pipe		MT UT											
2-ISI- 48	W-11	C 5. 51												
Feedwater A	Pipe to 67 Elbow		MT UT											
2-ISI- 48	W-12	C 5. 51												
Feedwater A	67 Elbow to Pipe		MT UT											
2-ISI- 48	W-13	C 5. 51												
Feedwater A	Pipe to 56 Elbow		MT UT											
2-ISI- 48	W-14	C 5. 51												
Feedwater A	56 Elbow to Pipe		MT UT											
2-ISI- 48	W-15	C 5. 51												
Feedwater A	Pipe to Elbow		MT UT											
2-ISI- 48	W-16	C 5. 51												
Feedwater A	Elbow to Pipe		MT UT											
2-ISI- 48	W-17	C 5. 51												
Feedwater A	Pipe to Valve		MT UT											
2-ISI- 48	W-18	C 5. 51												
Feedwater A	Valve to Elbow		MT UT											
2-ISI- 48	W-19	C 5. 51												
Feedwater A	Elbow to Pipe		MT UT											
2-ISI- 48	W-20	C 5. 51												
Feedwater A	Flued Head to Pipe		MT UT											
2-ISI- 48	W-21	C 5. 51												
Feedwater A	Pipe to Sweepolet		MT UT											
2-ISI- 48	W-22	C 5. 81												
Feedwater A	Sweepolet to Pipe		MT											
2-ISI- 48	W-23	C 5. 51												
Feedwater A	Pipe to Reducer		MT UT											
2-ISI- 48	W-24	C 5. 51												
Feedwater A	Reducer to Nozzle		MT UT				S							
2-ISI- 49	H- 1	F-A & C 3. 20		I		S								
Feedwater B	Rupture Restraint		MT VT3											
2-ISI- 49	H- 2	F-A & C 3. 20		I						S				
Feedwater B	Seismic Anchor		MT VT3											
2-ISI- 49	H- 3	F-A & C 3. 20		I										
Feedwater B	Seismic Restraint		MT VT3											
2-ISI- 49	H- 4	F-A & C 3. 20		I										
Feedwater B	Seismic Restraint		MT VT3											
2-ISI- 49	H- 5	F-A & C 3. 20		I										
Feedwater B	Bearing Bracket		MT VT3											
2-ISI- 49	H- 6	F-A & C 3. 20		I										
Feedwater B	Seismic Restraint		MT VT3											
2-ISI- 49	H- 7	F-A & C 3. 20		I										
Feedwater B	Seismic Restraint		MT VT3											
2-ISI- 49	H- 8	F-A & C 3. 20		I			S							
Feedwater B	Seismic Restraint		MT VT3											
2-ISI- 49	W- 1	C 5. 51												
Feedwater B	Valve to 51 Elbow		MT UT											
2-ISI- 49	W- 2	C 5. 51								S				
Feedwater B	51 Elbow to Pipe		MT UT											
2-ISI- 49	W- 3	C 5. 51												
Feedwater B	Pipe to Pipe		MT UT											
2-ISI- 49	W- 4	C 5. 51												
Feedwater B	Pipe to Pipe		MT UT											
2-ISI- 49	W- 5	C 5. 51												
Feedwater B	Pipe to Penetration		MT UT											
2-ISI- 49	W- 6	C 5. 51												
Feedwater B	Penetration to Pipe		MT UT											
2-ISI- 49	W- 7	C 5. 51		I										
Feedwater B	Pipe to Elbow		MT UT											
2-ISI- 49	W- 8	C 5. 51		I										
Feedwater B	Elbow to Pipe		MT UT											
2-ISI- 49	W- 9	C 5. 51		I										
Feedwater B	Pipe to Elbow		MT UT											
2-ISI- 49	W-10	C 5. 51		I										
Feedwater B	Elbow to Pipe		MT UT											

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					95	97	98	00	02	04	XX	XX	XX	XX
2-151- 49	W-11	C 5. 51												
Feedwater B	Pipe to Elbow		MT UT	I										
2-151- 49	W-12	C 5. 51												
Feedwater B	Elbow to Pipe		MT UT	I										
2-151- 49	W-13	C 5. 51												
Feedwater B	Pipe to Elbow		MT UT	I										
2-151- 49	W-14	C 5. 51												
Feedwater B	Elbow to Pipe		MT UT	I										
2-151- 49	W-15	C 5. 51												
Feedwater B	Pipe to Pipe		MT UT	I										
2-151- 49	W-16	C 5. 51												
Feedwater B	Pipe to Elbow		MT UT	I										
2-151- 49	W-17	C 5. 51												
Feedwater B	Elbow to Pipe		MT UT	I										
2-751- 49	W-18	C 5. 51												
Feedwater B	Pipe to Valve		MT UT	I										
2-151- 49	W-19	C 5. 51												
Feedwater B	Valve to Elbow		MT UT	I										
2-151- 49	W-20	C 5. 51												
Feedwater B	Elbow to Pipe		MT UT	I										
2-151- 49	W-21	C 5. 51												
Feedwater B	Flued Head to Pipe		MT UT											
2-151- 49	W-22	C 5. 51												
Feedwater B	Pipe To Sweepolet		MT UT											
2-151- 49	W-23	C 5. 81												
Feedwater B	Sweepolet to Pipe		MT											
2-151- 49	W-24	C 5. 51												
Feedwater B	Pipe to Reducer		MT UT											
2-151- 49	W-25	C 5. 51				S								
Feedwater B	Reducer to Nozzle		MT UT											
2-151- 50	W- 1/LSD	C 5. 10						S						
RHR Pump B Suction	Valve to Reducer		PT UT											
2-151- 50	W- 2/LSUD	C X. XX												
RHR Pump B Suction	Reducer to Elbow													
2-151- 50	W- 3/LSU	C X. XX												
RHR Pump B Suction	Elbow to Pipe													
2-151- 50	W- 4/LSD	C X. XX												
RHR Pump B Suction	Pipe to Tee													
2-151- 50	W- 5/LSD	C 5. 10						S						
RHR Pump B Suction	Valve to Reducer		PT UT											
2-151- 50	W- 6/LSUD	C X. XX												
RHR Pump B Suction	Reducer to Elbow													
2-151- 50	W- 7/LSUD	C X. XX												
RHR Pump B Suction	Elbow to Tee													
2-151- 50	W- 8/LSUD	C X. XX												
RHR Pump B Suction	Tee to 45 Elbow													
2-151- 50	W- 9/LSU	C X. XX												
RHR Pump B Suction	45 Elbow to Pen													
2-151- 50	W-10	C X. XX												
RHR Pump B Suction	Penetration to Pipe													
2-151- 50	W-11/LSD	C X. XX												
RHR Pump B Suction	Pipe to Elbow													
2-151- 50	W-12/LSU	C X. XX												
RHR Pump B Suction	Elbow to Pipe													
2-151- 50	W-13/LSD	C X. XX												
RHR Pump B Suction	Pipe to Elb													
2-151- 50	W-14/1"	C X. XX												
RHR Pump B Suction	Elbow to Pipe													
2-151- 50	W-15	C X. XX												
RHR Pump B Suction	Pipe to Pipe													
2-151- 50	W-16	C X. XX												
RHR Pump B Suction	Pipe to Pipe													
2-151- 50	W-17/LSD	C X. XX												
RHR Pump B Suction	Pipe to Elbow													
2-151- 50	W-18/LSU	C X. XX												
RHR Pump B Suction	Elbow to Pipe													
2-151- 50	W-19	C X. XX												
RHR Pump B Suction	Pipe to Pipe													
2-151- 50	W-20	C X. XX												
RHR Pump B Suction	Pipe to Pipe													
2-151- 50	W-21	C X. XX												
RHR Pump B Suction	Pipe to Pipe													
2-151- 50	W-22/LSD	C X. XX												
RHR Pump B Suction	Pipe to Red Tee													

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					95	97	98	00	02	04	XX	XX	XX	XX
2-ISI- 50	W-23/LSUD	C X. XX												
RHR Pump B Suction	Red Tee to Reducer													
2-ISI- 50	W-24/LSU	C X. XX												
RHR Pump B Suction	Red Tee to Pipe													
2-ISI- 51	H- 1	F-A, CL II												
RHR Pump B Suction	Snubber/Clamp		VT3											
2-ISI- 51	H- 2	F-A, CL II												
RHR Pump B Suction	Spring		VT3		S									
2-ISI- 51	H- 3	F-A, CL II												
RHR Pump B Suction	Snubber/Clamp		VT3											
2-ISI- 51	H- 4	F-A, CL II												
RHR Pump B Suction	Seismic Restraint		VT3											
2-ISI- 51	H- 5	F-A & C 3. 30												
RHR Pump B Suction	Pump Base		MT VT3						S					
2-ISI- 51	W- 1	C X. XX												
RHR Pump B Suction	Pipe to Pipe													
2-ISI- 51	W- 2/LSU	C X. XX												
RHR Pump B Suction	Pipe to Elbow													
2-ISI- 51	W- 3/LSU	C X. XX												
RHR Pump B Suction	Elbow to Pipe													
2-ISI- 51	W- 4	C X. XX												
RHR Pump B Suction	Pipe to Elbow													
2-ISI- 51	W- 5	C X. XX												
RHR Pump B Suction	Elbow to Valve													
2-ISI- 51	W- 6	C X. XX												
RHR Pump B Suction	Valve to Valve													
2-ISI- 51	W- 7	C X. XX												
RHR Pump B Suction	Valve to Pipe													
2-ISI- 51	W- 8/LSU	C X. XX												
RHR Pump B Suction	Pipe to Elbow													
2-ISI- 51	W- 9/LSUD	C X. XX												
RHR Pump B Suction	Elbow to Reducer													
2-ISI- 51	W-10/LSUD	C 5. 10												
RHR Pump B Suction	Reducer to Red Tee		PT UT		S									
2-ISI- 51	W-11/LSUD	C 5. 10												
RHR Pump B Suction	Red Tee to Pipe		PT UT						S					
2-ISI- 51	W-12/LSUD	C 5. 10												
RHR Pump B Suction	Pipe to Tee		PT UT				S							
2-ISI- 51	W-13/LSUD	C 5. 10												
RHR Pump B Suction	Tee to Pipe		PT UT				S							
2-ISI- 51	W-14/LSUD	C 5. 10												
RHR Pump B Suction	Pipe to Elbow		PT UT				S							
2-ISI- 51	W-15/LSUD	C 5. 10												
RHR Pump B Suction	Elbow to Pipe		PT UT				S							
2-ISI- 51	W-16/LSUD	C 5. 10												
RHR Pump B Suction	Pipe to Elbow		PT UT						S					
2-ISI- 51	W-17/LSUD	C 5. 10												
RHR Pump B Suction	Elbow to Pipe		PT UT						S					
2-ISI- 51	W-18/LSU	C 5. 10												
RHR Pump B Suction	Pipe to Flange		PT UT						S					
2-ISI- 51	W-19/LSU	C 5. 10												
RHR Pump B Suction	Flange to Pipe		PT UT		S									
2-ISI- 51	W-20/LSU	C 5. 10												
RHR Pump B Suction	Pipe to Flange		PT UT		S									
2-ISI- 51	W-21/LSU	C 5. 10												
RHR Pump B Suction	Flange to Reducer		PT UT		S									
2-ISI- 51	W-22/LSU	C X. XX												
RHR Pump B Suction	Reducer to Pump													
2-ISI- 52	H- 1	F-A, CL II												
RHR Pump A Suction	Sway Strut/Clamp		VT3											
2-ISI- 52	H- 2	F-A, CL II												
RHR Pump A Suction	Spring Hanger		VT3						S					
2-ISI- 52	H- 3	F-A, CL II												
RHR Pump A Suction	Snubber/Clamp		VT3					S						
2-ISI- 52	H- 4	F-A, CL II												
RHR Pump A Suction	Seismic Restraint		VT3											
2-ISI- 52	H- 5	F-A & C 3. 30												
RHR Pump A Suction	Pump Base		MT VT3					S						
2-ISI- 52	W- 1/LSU	C X. XX												
RHR Pump A Suction	Reducer to Pipe													
2-ISI- 52	W- 2/LSU	C X. XX												
RHR Pump A Suction	Pipe to Elbow													
2-ISI- 52	W- 3/LSU	C X. XX												
RHR Pump A Suction	Elbow to Pipe													

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					95	97	98	00	02	04	XX	XX	XX
2-ISI- 52	W- 4	C X. XX											
RHR Pump A Suction	Pipe to Valve												
2-ISI- 52	W- 5	C X. XX											
RHR Pump A Suction	Valve to Valve												
2-ISI- 52	W- 6/LSD	C X. XX											
RHR Pump A Suction	Valve to Elbow												
2-ISI- 52	W- 7/LSUD	C X. XX											
RHR Pump A Suction	Elbow to Reducer												
2-ISI- 52	W- 8/LSUD	C 5. 10											
RHR Pump A Suction	Reducer to Tee		PT UT										
2-ISI- 52	W- 9/LSUD	C 5. 10				S							
RHR Pump A Suction	Tee to Pipe		PT UT										
2-ISI- 52	W-10/LSUD	C 5. 10				S							
RHR Pump A Suction	Pipe to Tee		PT UT										
2-ISI- 52	W-11/LSU	C 5. 10				S							
RHR Pump A Suction	Tee to Pipe		PT UT										
2-ISI- 52	W-12/LSD	C 5. 10				S							
RHR Pump A Suction	Pipe to Elbow		PT UT										
2-ISI- 52	W-13/LSUD	C 5. 10						S					
RHR Pump A Suction	Elbow to Pipe		PT U.										
2-ISI- 52	W-14/LSUD	C 5. 10						S					
RHR Pump A Suction	Pipe to Elbow		PT UT										
2-ISI- 52	W-15/LSUD	C 5. 10						S					
RHR Pump A Suction	Elbow to Pipe		PT UT										
2-ISI- 52	W-16/LSU	C 5. 10						S					
RHR Pump A Suction	Pipe to Flange		PT UT										
2-ISI- 52	W-17/LSD	C 5. 10								S			
RHR Pump A Suction	Flange to Pipe		MT UT										
2-ISI- 52	W-18/LSU	C 5. 10								S			
RHR Pump A Suction	Pipe to Flange		PT UT										
2-ISI- 52	W-19/LSD	C 5. 10								S			
RHR Pump A Suction	Flange to Reducer		PT UT										
2-ISI- 52	W-20/LSU	C X. XX											
RHR Pump A Suction	Reducer to Pump												
2-ISI- 54	W- 1	C 5. 11											
RHR Pump B Discharge	Pump to Reducer		PT UT										
2-ISI- 54	W- 2	C X. XX											
RHR Pump B Discharge	Reducer to Valve												
2-ISI- 54	W- 3	C X. XX											
RHR Pump B Discharge	Valve to Pipe												
2-ISI- 54	W- 4	C X. XX											
RHR Pump B Discharge	Pipe to Valve												
2-ISI- 54	W- 5	C X. XX											
RHR Pump B Discharge	Valve to Pipe												
2-ISI- 54	W- 6/LSD	C X. XX											
RHR Pump B Discharge	Pipe to Tee												
2-ISI- 54	W- 7/LSU	C X. XX											
RHR Pump B Discharge	Tee to Pipe												
2-ISI- 54	W- 8/LSD	C X. XX											
RHR Pump B Discharge	Pipe to 45 Elbow												
2-ISI- 54	W- 9/LSU	C X. XX											
RHR Pump B Discharge	45 Elbow to Pipe												
2-ISI- 54	W-10/LSD	C X. XX											
RHR Pump B Discharge	Pipe to Elbow												
2-ISI- 54	W-11/LSUD	C X. XX											
RHR Pump B Discharge	Elbow/Elbow												
2-ISI- 54	W-12/LSU	C X. XX											
RHR Pump B Discharge	Elbow to Pipe												
2-ISI- 54	W-13/LSD	C X. XX											
RHR Pump B Discharge	Pipe to Elbow												
2-ISI- 54	W-14/LSU	C X. XX											
RHR Pump B Discharge	Elbow to Valve												
2-ISI- 54	W-15/LSU	C X. XX											
RHR Pump B Discharge	Tee to Valve												
2-ISI- 54	W-16/LSD	C X. XX											
RHR Pump B Discharge	Valve to Elbow												
2-ISI- 54	W-17/LSU	C X. XX											
RHR Pump B Discharge	Elbow to Pipe												
2-ISI- 54	W-18/LSD	C X. XX											
RHR Pump B Discharge	Pipe to 45 Elbow												
2-ISI- 54	W-19/LSU	C X. XX											
RHR Pump B Discharge	45 Elbow to Pipe												
2-ISI- 54	W-20	C X. XX											
RHR Pump B Discharge	Pipe to Pipe												

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					95	97	98	00	02	04	XX	XX	XX	XX
2-ISI- 54	W-21	C X. XX												
RHR Pump B Discharge	Pipe to Pipe													
2-ISI- 54	W-22/LSD	C X. XX												
RHR Pump B Discharge	Pipe to Elbow													
2-ISI- 54	W-23/LSU	C X. XX												
RHR Pump B Discharge	Elbow to Pipe													
2-ISI- 54	W-24/LSD	C X. XX												
RHR Pump B Discharge	Pipe to Elbow													
2-ISI- 54	W-25/LSU	C X. XX												
RHR Pump B Discharge	Elbow to Pipe													
2-ISI- 54	W-26/LSD	C X. XX												
RHR Pump B Discharge	Pipe to Red Tee													
2-ISI- 54	W-27/LSU	C X. XX												
RHR Pump B Discharge	Red Tee to Flange													
2-ISI- 54	W-28	C X. XX												
RHR Pump B Discharge	Flange to Valve													
2-ISI- 54	W-29	C X. XX												
RHR Pump B Discharge	Valve to Pipe													
2-ISI- 54	W-30	C X. XX												
RHR Pump B Discharge	Pipe to Tee													
2-ISI- 55	W- 1/LSD	C X. XX												
RHR Pump B Discharge	Valve to 45 Elbow													
2-ISI- 55	W- 2/LSUD	C X. XX												
RHR Pump B Discharge	45 Elbow to Elbow													
2-ISI- 55	W- 3/LSU	C X. XX												
RHR Pump B Discharge	Elbow to Pipe													
2-ISI- 55	W- 4/LSD	C X. XX												
RHR Pump B Discharge	Pipe to Elbow													
2-ISI- 55	W- 5/LSU	C X. XX												
RHR Pump B Discharge	Elbow to Pipe													
2-ISI- 55	W- 6	C X. XX												
RHR Pump B Discharge	Pipe to Elbow													
2-ISI- 55	W- 7/LSU	C X. XX												
RHR Pump B Discharge	Elbow to Pipe													
2-ISI- 55	W- 8/LSD	C X. XX												
RHR Pump B Discharge	Pipe to Elbow													
2-ISI- 55	W- 9/LSUD	C X. XX												
RHR Pump B Discharge	Elbow to 45 Elbow													
2-ISI- 55	W-10/LSU	C X. XX												
RHR Pump B Discharge	45 Elbow to Pipe													
2-ISI- 55	W-11/LSD	C X. XX												
RHR Pump B Discharge	Pipe to Tee													
2-ISI- 55	W-12/LSU	C X. XX												
RHR Pump B Discharge	Tee to Reducer													
2-ISI- 55	W-13	C X. XX												
RHR Pump B Discharge	Reducer to Pipe													
2-ISI- 55	W-14/LSD	C X. XX												
RHR Pump B Discharge	Pipe to Elbow													
2-ISI- 55	W-15/LSU	C X. XX												
RHR Pump B Discharge	Elbow to Pipe													
2-ISI- 55	W-16	C X. XX												
RHR Pump B Discharge	Pipe to Pipe													
2-ISI- 55	W-17	C X. XX												
RHR Pump B Discharge	Pipe to Elbow													
2-ISI- 55	W-18	C X. XX												
RHR Pump B Discharge	Elbow to Pipe													
2-ISI- 55	W-19	C X. XX												
RHR Pump B Discharge	Pipe to 45 Elbow													
2-ISI- 55	W-20	C X. XX												
RHR Pump B Discharge	45 Elbow to Pipe													
2-ISI- 55	W-21	C X. XX												
RHR Pump B Discharge	Pipe to Flange													
2-ISI- 55	W-22	C X. XX												
RHR Pump B Discharge	Flange to Pipe													
2-ISI- 55	W-23	C X. XX												
RHR Pump B Discharge	Pipe to Elbow													
2-ISI- 55	W-24	C X. XX												
RHR Pump B Discharge	Elbow to Pipe													
2-ISI- 55	W-25	C X. XX												
RHR Pump B Discharge	Pipe to Elbow													
2-ISI- 55	W-26	C X. XX												
RHR Pump B Discharge	Elbow to Pipe													
2-ISI- 55	W-27	C X. XX												
RHR Pump B Discharge	Pipe to Penetration													

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					95	97	98	00	02	04	XX	XX	XX	XX
2-ISI- 55	W-28	C X. XX												
RHR Pump B Discharge	Penetration to Pipe													
2-ISI- 55	W-29	C X. XX												
RHR Pump B Discharge	Pipe to Elbow													
2-ISI- 55	W-30	C X. XX												
RHR Pump B Discharge	Elbow to Elbow													
2-ISI- 55	W-31	C X. XX												
RHR Pump B Discharge	Elbow to Pipe													
2-ISI- 55	W-32	C X. XX												
RHR Pump B Discharge	Pipe to Elbow													
2-ISI- 55	W-33	C 5. 10												
RHR Pump B Discharge	Elbow to Valve		PT UT											
2-ISI- 56	W- 1	C X. XX												
RHR Pump A Discharge	Pump to Reducer													
2-ISI- 56	W- 2	C X. XX												
RHR Pump A Discharge	Reducer to Valve													
2-ISI- 56	W- 3	C X. XX												
RHR Pump A Discharge	Valve to Pipe													
2-ISI- 56	W- 4	C X. XX												
RHR Pump A Discharge	Pipe to Valve													
2-ISI- 56	W- 5	C X. XX												
RHR Pump A Discharge	Valve to Pipe													
2-ISI- 56	W- 6/LSD	C X. XX												
RHR Pump A Discharge	Pipe to Tee													
2-ISI- 56	W- 7/LSD	C X. XX												
RHR Pump A Discharge	Valve to Elbow													
2-ISI- 56	W- 8/LSU	C X. XX												
RHR Pump A Discharge	Elbow to Pipe													
2-ISI- 56	W- 9/LSD	C X. XX												
RHR Pump A Discharge	Pipe to Tee													
2-ISI- 56	W-10/LSU	C X. XX												
RHR Pump A Discharge	Tee to Valve													
2-ISI- 56	W-11/LSD	C X. XX												
RHR Pump A Discharge	Valve to Elbow													
2-ISI- 56	W-12/LSU	C X. XX												
RHR Pump A Discharge	Elbow to Pipe													
2-ISI- 56	W-13/LSD	C X. XX												
RHR Pump A Discharge	Pipe to 45 Elbow													
2-ISI- 56	W-14/LSU	C X. XX												
RHR Pump A Discharge	45 Elbow to Pipe													
2-ISI- 56	W-15	C X. XX												
RHR Pump A Discharge	Pipe to Pipe													
2-ISI- 56	W-16	C X. XX												
RHR Pump A Discharge	Pipe to Pipe													
2-ISI- 56	W-17/LSD	C X. XX												
RHR Pump A Discharge	Pipe to Elbow													
2-ISI- 56	W-18/LSU	C X. XX												
RHR Pump A Discharge	Elbow to Pipe													
2-ISI- 56	W-19/LSD	C X. XX												
RHR Pump A Discharge	Pipe to Elbow													
2-ISI- 56	W-20/LSU	C X. XX												
RHR Pump A Discharge	Elbow to Pipe													
2-ISI- 56	W-21/LSD	C X. XX												
RHR Pump A Discharge	Pipe to Red Tee													
2-ISI- 56	W-22/LSU	C X. XX												
RHR Pump A Discharge	Red Tee to Flange													
2-ISI- 56	W-23	C X. XX												
RHR Pump A Discharge	Flange to Valve													
2-ISI- 56	W-24	C X. XX												
RHR Pump A Discharge	Valve to Pipe													
2-ISI- 56	W-25/LSD	C X. XX												
RHR Pump A Discharge	Pipe to Reducer													
2-ISI- 56	W-26/LSUD	C X. XX												
RHR Pump A Discharge	Reducer to Red Tee													
2-ISI- 56	W-27/LSD	C X. XX												
RHR Pump A Discharge	Valve to Elbow													
2-ISI- 56	W-28/LSU	C X. XX												
RHR Pump A Discharge	Elbow to Pipe													
2-ISI- 56	W-29/LSD	C X. XX												
RHR Pump A Discharge	Pipe to Elbow													
2-ISI- 56	W-30/LSU	C X. XX												
RHR Pump A Discharge	Elbow to Pipe													
2-ISI- 56	W-31/LSD	C X. XX												
RHR Pump A Discharge	Pipe to Elbow													

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					95	97	98	00	02	04	XX	XX	XX
2-ISI- 56	W-32/LSUD	C X. XX											
RHR Pump A Discharge	Elbow to Elbow												
2-ISI- 56	W-33/LSU	C X. XX											
RHR Pump A Discharge	Elbow to Pipe												
2-ISI- 56	W-34	C X. XX											
RHR Pump A Discharge	Pipe to Red Tee												
2-ISI- 57	H- 1	F-A, CL II											
RHR Pump A Discharge	Restraint		VT3										
2-ISI- 57	W- 1/LSU	C X. XX											
RHR Pump A Discharge	Red Tee to Pipe												
2-ISI- 57	W- 2/LSU	C X. XX											
RHR Pump A Discharge	Pipe to Elbow												
2-ISI- 57	W- 3/LSU	C X. XX											
RHR Pump A Discharge	Elbow to Pipe												
2-ISI- 57	W- 4	C X. XX											
RHR Pump A Discharge	Pipe to Pipe												
2-ISI- 57	W- 5/LSU	C X. XX											
RHR Pump A Discharge	Pipe to Elbow												
2-ISI- 57	W- 6/LSU	C X. XX											
RHR Pump A Discharge	Elbow to Pipe												
2-ISI- 57	W- 7	C X. XX											
RHR Pump A Discharge	Pipe to Flange												
2-ISI- 57	W- 8	C X. XX											
RHR Pump A Discharge	Flange to Pipe												
2-ISI- 57	W- 9/LSU	C X. XX											
RHR Pump A Discharge	Pipe to 45 Elbow												
2-ISI- 57	W-10/LSU	C X. XX											
RHR Pump A Discharge	45 Elbow to Pipe												
2-ISI- 57	W-11/LSU	C X. XX											
RHR Pump A Discharge	Pipe to 45 Elbow												
2-ISI- 57	W-12/LSU	C X. XX											
RHR Pump A Discharge	45 Elbow to Pipe												
2-ISI- 57	W-13	C X. XX											
RHR Pump A Discharge	Pipe to Penetration												
2-ISI- 57	W-14	C X. XX											
RHR Pump A Discharge	Penetration to Pipe												
2-ISI- 57	W-15/LSU	C X. XX											
RHR Pump A Discharge	Pipe to 45 Elbow												
2-ISI- 57	W-16/LSUD	C X. XX											
RHR Pump A Discharge	45 Elbow to 45 Elbow												
2-ISI- 57	W-17/LSUD	C X. XX											
RHR Pump A Discharge	45 Elbow to Red Tee												
2-ISI- 57	W-18/LSU	C X. XX											
RHR Pump A Discharge	Red Tee to Valve												
2-ISI- 57	W-19/LSU	C X. XX											
RHR Pump A Discharge	Red Tee to Pipe												
2-ISI- 57	W-20/LSU	C X. XX											
RHR Pump A Discharge	Pipe to Elbow												
2-ISI- 57	W-21/LSU	C X. XX											
RHR Pump A Discharge	Elbow to Pipe												
2-ISI- 57	W-22	C 5, 11											
RHR Pump A Discharge	Pipe to Valve		PT UT										
2-ISI- 60A	H- 1	F-A & C 3, 30				S							
SI Pump 21	Support A		MT VT3										
2-ISI- 60A	H- 2	F-A & C 3, 30				S							
SI Pump 21	Support B		MT VT3										
2-ISI- 60A	H- 3	F-A & C 3, 30					S						
SI Pump 21	Support C		MT VT3										
2-ISI- 60A	H- 4	F-A & C 3, 30					S						
SI Pump 21	Support D		MT VT3										
2-ISI- 60A	H- 5	F-A & C 3, 30						S					
SI Pump 21	Support E		MT VT3										
2-ISI- 60A	H- 6	F-A & C 3, 30						S					
SI Pump 21	Support F		MT VT3										
2-ISI- 60B	H- 1	F-A & C 3, 30							S				
SI Pump 22	Support A		MT VT3										
2-ISI- 60B	H- 2	F-A & C 3, 30								S			
SI Pump 22	Support B		MT VT3										
2-ISI- 60B	H- 3	F-A & C 3, 30						S					
SI Pump 22	Support C		MT VT3										
2-ISI- 60B	H- 4	F-A & C 3, 30						S					
SI Pump 22	Support D		MT VT3										
2-ISI- 60B	H- 5	F-A & C 3, 30					S						
SI Pump 22	Support E		MT VT3										

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					95	97	98	00	02	04	XX	XX	XX	XX
2-151- 608	H- 6	F-A & C 3. 30												
SI Pump 22	Support F		MT VT3			S								
2-151- 62	W- 1/LSUD	C X. XX												
SI Pump 22 Suction	Red Tee to Elbow													
2-151- 62	W- 2/LSUD	C X. XX												
SI Pump 22 Suction	Elbow to Pipe													
2-151- 62	W- 3/LSUD	C X. XX												
SI Pump 22 Suction	Pipe to Elbow													
2-151- 62	W- 4/LSUD	C X. XX												
SI Pump 22 Suction	Elbow to Pipe													
2-151- 62	W- 5/LSUD	C X. XX												
SI Pump 22 Suction	Pipe to Elbow													
2-151- 62	W- 6/LSUD	C X. XX												
SI Pump 22 Suction	Elbow to Pipe													
2-151- 62	W- 7/LSUD	C X. XX												
SI Pump 22 Suction	Pipe to Tee													
2-151- 62	W- 8/LSUD	C X. XX												
SI Pump 22 Suction	Tee to Elbow													
2-151- 62	W- 9/LSUD	C X. XX												
SI Pump 22 Suction	Elbow to Pipe													
2-151- 62	W-10/LSUD	C X. XX												
SI Pump 22 Suction	Pipe to Elbow													
2-151- 62	W-11/LSUD	C X. XX												
SI Pump 22 Suction	Elbow to Pipe													
2-151- 62	W-12/LSUD	C X. XX												
SI Pump 22 Suction	Pipe to Elbow													
2-151- 62	W-13/LSUD	C X. XX												
SI Pump 22 Suction	Elbow to Pipe													
2-151- 62	W-14/LSUD	C X. XX												
SI Pump 22 Suction	Pipe to Pipe													
2-151- 62	W-15/LSUD	C X. XX												
SI Pump 22 Suction	Pipe to Elbow													
2-151- 62	W-16/LSUD	C X. XX												
SI Pump 22 Suction	Elbow to Pipe													
2-151- 62	W-17/LSUD	C X. XX												
SI Pump 22 Suction	Pipe to Elbow													
2-151- 62	W-18/LSUD	C X. XX												
SI Pump 22 Suction	Elbow to Elbow													
2-151- 62	W-19/LSUD	C X. XX												
SI Pump 22 Suction	Elbow to Pipe													
2-151- 62	W-20/LSU	C X. XX												
SI Pump 22 Suction	Pipe to Valve													
2-151- 62	W-21/LSU	C X. XX												
SI Pump 22 Suction	Valve to Pipe													
2-151- 62	W-22/LSUD	C X. XX												
SI Pump 22 Suction	Pipe to Tee													
2-151- 62	W-23/LSUD	C X. XX												
SI Pump 22 Suction	Tee to Pipe													
2-151- 62	W-24/LSUD	C X. XX												
SI Pump 22 Suction	Pipe to Elbow													
2-151- 62	W-25/LSU	C X. XX												
SI Pump 22 Suction	Elbow to Flange													
2-151- 62	W-26/LSU	C X. XX												
SI Pump 22 Suction	Flange to Pipe													
2-151- 62	W-27/LSU	C X. XX												
SI Pump 22 Suction	Pipe to Flange													
2-151- 62	W-28	C X. XX												
SI Pump 22 Suction	Flange to Pump													
2-151- 64	W- 1/LSUD	C X. XX												
SI Pump 21 Suction	Tee to Elbow													
2-151- 64	W- 2/LSUD	C X. XX												
SI Pump 21 Suction	Elbow to Pipe													
2-151- 64	W- 3/LSUD	C X. XX												
SI Pump 21 Suction	Pipe to Elbow													
2-151- 64	W- 4/LSUD	C X. XX												
SI Pump 21 Suction	Elbow to Elbow													
2-151- 64	W- 5/LSUD	C X. XX												
SI Pump 21 Suction	Elbow to Pipe													
2-151- 64	W- 6/LSUD	C X. XX												
SI Pump 21 Suction	Pipe to Tee													
2-151- 64	W- 7/LSUD	C X. XX												
SI Pump 21 Suction	Tee to Elbow													
2-151- 64	W- 8/LSUD	C X. XX												
SI Pump 21 Suction	Elbow to Pipe													

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					95	97	98	00	02	04	XX	XX	XX	XX
2-151- 64	W- 9/LSUD	C X. XX												
S1 Pump 21 Suction	Pipe to Elbow													
2-151- 64	W-10/LSUD	C X. XX												
S1 Pump 21 Suction	Elbow to Pipe													
2-151- 64	W-11/LSUD	C X. XX												
S1 Pump 21 Suction	Pipe to Elbow													
2-151- 64	W-12/LSUD	C X. XX												
S1 Pump 21 Suction	Elbow to Pipe													
2-151- 64	W-13/LSUD	C X. XX												
S1 Pump 21 Suction	Pipe to Pipe													
2-151- 64	W-14/LSUD	C X. XX												
S1 Pump 21 Suction	Pipe to Elbow													
2-151- 64	W-15/LSUD	C X. XX												
S1 Pump 21 Suction	Elbow to Pipe													
2-151- 64	W-16/LSUD	C X. XX												
S1 Pump 21 Suction	Pipe to Elbow													
2-151- 64	W-17/LSUD	C X. XX												
S1 Pump 21 Suction	Elbow to Pipe													
2-151- 64	W-18/LSU	C X. XX												
S1 Pump 21 Suction	Pipe to Valve													
2-151- 64	W-19/LSD	C X. XX												
S1 Pump 21 Suction	Valve to Pipe													
2-151- 64	W-20/LSUD	C X. XX												
S1 Pump 21 Suction	Pipe to Elbow													
2-151- 64	W-21/LSUD	C X. XX												
S1 Pump 21 Suction	Elbow to Pipe													
2-151- 64	W-22/LSUD	C X. XX												
S1 Pump 21 Suction	Pipe to Tee													
2-151- 64	W-23/LSUD	C X. XX												
S1 Pump 21 Suction	Tee to Pipe													
2-151- 64	W-24/LSUD	C X. XX												
S1 Pump 21 Suction	Pipe to Elbow													
2-151- 64	W-25/LSU	C X. XX												
S1 Pump 21 Suction	Elbow to Flange													
2-151- 64	W-26/LSD	C X. XX												
S1 Pump 21 Suction	Flange to Pipe													
2-151- 64	W-27/LSU	C X. XX												
S1 Pump 21 Suction	Pipe to Flange													
2-151- 64	W-28	C X. XX												
S1 Pump 21 Suction	Flange to Pump													
2-151- 69A	H- 1	F-A & C 3. 10												
RHR Heat Exchgr 21	Support A		MT VT3						S					
2-151- 69A	H- 2	F-A & C 3. 10												
RHR Heat Exchgr 21	Support B		MT VT3						S					
2-151- 69A	N- 1	C 2. 11												
RHR Heat Exchgr 21	Inlet Nozzle		PT						S					
2-151- 69A	N- 2	C 2. 11												
RHR Heat Exchgr 21	Outlet Nozzle		PT											
2-151- 69A	W- 1	C 1. 20												
RHR Heat Exchgr 23	Head to Shell		UT											
2-151- 69A	W- 2	C 1. 10												
RHR Heat Exchgr 21	Shell to Flange		UT						S					
2-151- 69B	H- 1	F-A & C 3. 10												
RHR Heat Exchgr 22	Support A		MT VT3								S			
2-151- 69B	H- 2	F-A & C 3. 10												
RHR Heat Exchgr 22	Support B		MT VT3								S			
2-151- 69B	N- 1	C 2. 11												
RHR Heat Exchgr 22	Inlet Nozzle		PT											
2-151- 69B	N- 2	C 2. 11												
RHR Heat Exchgr 22	Outlet Nozzle		PT								S			
2-151- 69B	W- 1	C 1. 20												
RHR Heat Exchgr 22	Head to Shell		UT								S			
2-151- 69B	W- 2	C 1. 10												
RHR Heat Exchgr 22	Shell to Flange		UT											
2-151- 70	H- 1	F-A, CL 11												
RV Safety Injection	Spring Support		VT3											
2-151- 70	H- 2	F-A, CL 11												
RV Safety Injection	Sway Strut/Clamp		VT3											
2-151- 70	H- 3	F-A, CL 11												
RV Safety Injection	Snubber & Strut		VT3						S					
2-151- 70	W- 1	C 5. 11												
RV Safety Injection	Valve to Pipe		RT UT											
2-151- 70	W- 2	C 5. 11												
RV Safety Injection	Pipe to Elbow		PT UT											

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					95	97	98	00	02	04	XX	XX	XX
2-ISI- 70	W- 3	C 5. 11											
RV Safety Injection	Elbow to Pipe		PT UT										
2-ISI- 70	W- 4	C 5. 11											
RV Safety Injection	Pipe to Elbow		PT UT										
2-ISI- 70	W- 5	C 5. 11											
RV Safety Injection	Elbow to Pipe		PT UT										
2-ISI- 70	W- 6	C 5. 11					S						
RV Safety Injection	Pipe to Valve		PT UT										
2-ISI- 72	H- 1	F-A & C 3. 20				S							
RV Safety Injection	Single Support		PT VT3										
2-ISI- 72	H- 2	F-A, CL II											
RV Safety Injection	Sliding Support		VT3										
2-ISI- 72	H- 3	F-A, CL II											
RV Safety Injection	Sliding Support		VT3										
2-ISI- 72	H- 4	F-A, CL II											
RV Safety Injection	Snubber/Clamp		VT3										
2-ISI- 72	H- 5	F-A, CL II											
RV Safety Injection	Snubber		VT3										
2-ISI- 72	H- 6	F-A, CL II											
RV Safety Injection	Seismic Support		VT3										
2-ISI- 72	H- 7	F-A, CL II								S			
RV Safety Injection	Double Spring		VT3										
2-ISI- 72	H- 8	F-A, CL II											
RV Safety Injection	Sway Strut/Clamp		VT3										
2-ISI- 72	W- 1	C 5. 11				S							
RV Safety Injection	Valve to Elbow		PT UT										
2-ISI- 72	W- 2	C 5. 11											
RV Safety Injection	Elbow to Elbow		PT UT										
2-ISI- 72	W- 3	C 5. 11											
RV Safety Injection	Elbow to Pipe		PT UT										
2-ISI- 72	W- 4	C 5. 11											
RV Safety Injection	Pipe to Elbow		PT UT										
2-ISI- 72	W- 5	C 5. 11											
RV Safety Injection	Elbow to Pipe		PT UT										
2-ISI- 72	W- 6	C 5. 11											
RV Safety Injection	Pipe to Elbow		PT UT										
2-ISI- 72	W- 7	C 5. 11											
RV Safety Injection	Elbow to Pipe		PT UT										
2-ISI- 72	W- 8	C 5. 11											
RV Safety Injection	Pipe to Elbow		PT UT										
2-ISI- 72	W- 9	C 5. 11											
RV Safety Injection	Elbow to Pipe		PT UT										
2-ISI- 72	W-10	C 5. 11											
RV Safety Injection	Pipe to Pipe		PT UT										
2-ISI- 72	W-11	C 5. 11											
RV Safety Injection	Pipe to 35 Elbow		PT UT										
2-ISI- 72	W-12	C 5. 11											
RV Safety Injection	35 Elbow to Pipe		PT UT										
2-ISI- 72	W-13	C 5. 11											
RV Safety Injection	Pipe to 45 Elbow		PT UT										
2-ISI- 72	W-14	C 5. 11											
RV Safety Injection	45 Elbow to Pipe		PT UT										
2-ISI- 72	W-15	C 5. 11											
RV Safety Injection	Pipe to 45 Elbow		PT UT										
2-ISI- 72	W-16	C 5. 11											
RV Safety Injection	45 Elbow to Pipe		PT UT										
2-ISI- 72	W-17	C 5. 11							S				
RV Safety Injection	Pipe to Valve		PT UT										
2-ISI- 90A	H- 1	F-A, CL II				S							
SI 21 Discharge	Spring/Clamp		VT3										
2-ISI- 90A	H- 2	F-A, CL II											
SI 21 Discharge	Rod/Clamp		VT3										
2-ISI- 90A	H- 3	F-A, CL II											
SI 21 Discharge	Rod/Clamp		VT3										
2-ISI- 90A	H- 4	F-A, CL II											
SI 21 Discharge	Seismic Anchor		VT3										
2-ISI- 90A	W- 1	C 5. 21								S			
SI 21 Discharge	Pump to Flange		MT UT										
2-ISI- 90A	W- 2	C 5. 21											
SI 21 Discharge	Flange to Pipe		PT UT										
2-ISI- 90A	W- 3	C 5. 40											
SI 21 Discharge	Pipe to Weldolet		PT										
2-ISI- 90A	W- 4	C 5. 21											
SI 21 Discharge	Pipe to Elbow		PT UT										

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					95	97	98	00	02	04	XX	XX	XX	XX
2-181- 90A	W- 5	C 5. 21												
SI 21 Discharge	Elbow to Valve		PT UT											
2-181- 90A	W- 6	C 5. 21												
SI 21 Discharge	Valve to Valve		PT UT											
2-181- 90A	W- 7	C 5. 21					S							
SI 21 Discharge	Valve to Elbow		PT UT											
2-181- 90A	W- 8	C 5. 21												
SI 21 Discharge	Elbow to Red Tee		PT UT											
2-181- 90A	W- 9	C 5. 21												
SI 21 Discharge	Red Tee to Pipe		PT UT											
2-181- 90A	W-10	C 5. 21												
SI 21 Discharge	Pipe to Valve		PT UT											
2-181- 90A	W-11	C 5. 21												
SI 21 Discharge	Valve to Elbow		PT UT											
2-181- 90A	W-12	C 5. 21												
SI 21 Discharge	Elbow to Pipe		PT UT											
2-181- 90A	W-13	C 5. 21												
SI 21 Discharge	Pipe to Elbow		PT UT											
2-181- 90A	W-14	C 5. 21												
SI 21 Discharge	Elbow to Valve		PT UT											
2-181- 90A	W-15	C 5. 21												
SI 21 Discharge	Red Tee to Reducer		PT UT											
2-181- 90A	W-16	C 5. 21												
SI 21 Discharge	Reducer to Pipe		PT UT											
2-181- 90A	W-17	C 5. 21												
SI 21 Discharge	Pipe to Elbow		PT UT											
2-181- 90A	W-18	C 5. 21			S									
SI 21 Discharge	Elbow to Pipe		PT UT											
2-181- 90A	W-19	C 5. 21												
SI 21 Discharge	Pipe to Elbow		PT UT											
2-181- 90A	W-20	C 5. 21												
SI 21 Discharge	Elbow to Pipe		PT UT											
2-181- 90A	W-21	C 5. 21												
SI 21 Discharge	Pipe to Flange		PT UT											
2-181- 90A	W-22	C 5. 21												
SI 21 Discharge	Flange to Pipe		PT UT											
2-181- 90A	W-23	C 5. 21												
SI 21 Discharge	Pipe to Elbow		PT UT											
2-181- 90A	W-24	C 5. 21												
SI 21 Discharge	Elbow to Pipe		PT UT											
2-181- 90A	W-25	C 5. 21												
SI 21 Discharge	Pipe to Pipe		PT UT											
2-181- 90A	W-26	C 5. 21												
SI 21 Discharge	Pipe to Elbow		PT UT											
2-181- 90A	W-27	C 5. 21												
SI 21 Discharge	Elbow to Pipe		PT UT											
2-181- 90A	W-28	C 5. 21												
SI 21 Discharge	Pipe to Elbow		PT UT											
2-181- 90A	W-29	C 5. 21												
SI 21 Discharge	Elbow to Pipe		PT UT											
2-181- 90A	W-30	C 5. 21												
SI 21 Discharge	Pipe to Pipe		PT UT											
2-181- 90B	H- 1	F-A, CL 11												
SI 21 Discharge	Box		VT3											
2-181- 90B	H- 2	F-A, CL 11												
SI 21 Discharge	Liquid & Lateral		VT3											
2-181- 90B	H- 3	F-A, CL 11					S							
SI 21 Discharge	Box		VT3											
2-181- 90B	H- 4	F-A, CL 11												
SI 21 Discharge	Box		VT3											
2-181- 90B	H- 5	F-A, CL 11												
SI 21 Discharge	Box		VT3											
2-181- 90B	H- 6	F-A, CL 11												
SI 21 Discharge	Horizontal		VT3											
2-181- 90B	W- 1	C 5. 21												
SI 21 Discharge	Pipe to Elbow		PT UT											
2-181- 90B	W- 2	C 5. 21												
SI 21 Discharge	Elbow to Pipe		PT UT											
2-181- 90B	W- 3	C 5. 21												
SI 21 Discharge	Pipe to Elbow		PT UT											
2-181- 90B	W- 4	C 5. 21												
SI 21 Discharge	Elbow to Reducer		PT UT											
2-181- 90B	W- 5	C 5. 21												
SI 21 Discharge	Reducer to Pipe		PT UT											

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					95	97	98	00	02	04	XX	XX	XX	XX
2-151- 90B	W- 6	C 5. 21												
SI 21 Discharge	Pipe to Reducer		PT UT											
2-151- 90B	W- 7	C 5. 21												
SI 21 Discharge	Reducer to Elb. 1		PT UT						S					
2-151- 90B	W- 8	C 5. 21												
SI 21 Discharge	Elbow to Pipe		PT UT											
2-151- 90B	W- 9	C 5. 21												
SI 21 Discharge	Pipe to Elbow		PT UT											
2-151- 90B	W-10	C 5. 21												
SI 21 Discharge	Elbow to Pipe		PT UT											
2-151- 90B	W-11	C 5. 21												
SI 21 Discharge	Pipe to Elbow		PT UT											
2-151- 90B	W-12	C 5. 21												
SI 21 Discharge	Elbow to Pipe		PT UT				S							
2-151- 90B	W-13	C 5. 21												
SI 21 Discharge	Pipe to Elbow		PT UT											
2-151- 90B	W-14	C 5. 21												
SI 21 Discharge	Elbow to Pipe		PT UT											
2-151- 90B	W-15	C 5. 21												
SI 21 Discharge	Pipe to Elbow		PT UT											
2-151- 90B	W-16	C 5. 21												
SI 21 Discharge	Elbow to Pipe		PT UT											
2-151- 90B	W-17	C 5. 21												
SI 21 Discharge	Pipe to Elbow		PT UT											
2-151- 90B	W-18	C 5. 21												
SI 21 Discharge	Elbow to Valve		PT UT											
2-151- 90B	W-19	C 5. 21												
SI 21 Discharge	Valve to Elbow		PT UT											
2-151- 90B	W-20	C 5. 21												
SI 21 Discharge	Elbow to Pipe		PT UT											
2-151- 90B	W-21	C 5. 21												
SI 21 Discharge	Pipe to Elbow		PT UT											
2-151- 90B	W-22	C 5. 21												
SI 21 Discharge	Elbow to Pipe		PT UT											
2-151- 90B	W-23	C 5. 21												
SI 21 Discharge	Pipe to Reducer		PT UT											
2-151- 90B	W-24	C 5. 21												
SI 21 Discharge	Reducer to Pipe		PT UT											
2-151- 90C	H- 1	F-A, CL II												
SI 21 Discharge	Single Support		VT3						S					
2-151- 90C	H- 2	F-A, CL II												
SI 21 Discharge	Elastic Restraint		VT3											
2-151- 90C	H- 3	F-A, CL II												
SI 21 Discharge	Box		VT3											
2-151- 90C	H- 4	F-A, CL II												
SI 21 Discharge	Rod/Clamp		VT3											
2-151- 90C	H- 5	F-A, CL II												
SI 21 Discharge	Box		VT3											
2-151- 90C	H- 6	F-A, CL II												
SI 21 Discharge	Rod/Clamp		VT3											
2-151- 90C	H- 7	F-A, CL II												
SI 21 Discharge	Elastic Anchor		VT3											
2-151- 90C	W- 1	C 5. 21												
SI 21 Discharge	Pipe to Reducer		PT UT											
2-151- 90C	W- 2	C 5. 21												
SI 21 Discharge	Reducer to Pipe		PT UT											
2-151- 90C	W- 3	C 5. 21												
SI 21 Discharge	Pipe to Red Tee		PT UT											
2-151- 90C	W- 4	C 5. 21												
SI 21 Discharge	Red Tee to Pipe		PT UT											
2-151- 90C	W- 5	C 5. 21												
SI 21 Discharge	Pipe to Elbow		PT UT											
2-151- 90C	W- 6	C 5. 21												
SI 21 Discharge	Elbow to Pipe		PT UT											
2-151- 90C	W- 7	C 5. 21												
SI 21 Discharge	Pipe to Elbow		PT UT											
2-151- 90C	W- 8	C 5. 21												
SI 21 Discharge	Elbow to Pipe		PT UT											
2-151- 90C	W- 9	C 5. 21												
SI 21 Discharge	Pipe to Elbow		PT UT											
2-151- 90C	W-10	C 5. 21												
SI 21 Discharge	Elbow to Elbow		PT UT											
2-151- 90C	W-11	C 5. 21												
SI 21 Discharge	Elbow to Pipe		PT UT						S					

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					95	97	98	00	02	04	XX	XX	XX
2-151- 90C	W-12	C 5. 21											
S1 21 Discharge	Pipe to Elbow		PT UT										
2-151- 90C	W-13	C 5. 21											
S1 21 Discharge	Elbow to Pipe		PT UT										
2-151- 90C	W-14	C 5. 21											
S1 21 Discharge	Pipe to 45 Elbow		PT UT										
2-151- 90C	W-15	C 5. 21											
S1 21 Discharge	45 Elbow to Pipe		PT UT										
2-151- 90C	W-16	C 5. 21											
S1 21 Discharge	Pipe to Elbow		PT UT										
2-151- 90C	W-17	C 5. 21											
S1 21 Discharge	Elbow to Elbow		PT UT										
2-151- 90C	W-18	C 5. 21											
S1 21 Discharge	Elbow to Pipe		PT UT										
2-151- 90C	W-19	C 5. 21											
S1 21 Discharge	Pipe to Elbow		PT UT										
2-151- 90C	W-20	C 5. 21											
S1 21 Discharge	Elbow to Pipe		PT UT										
2-151- 90C	W-21	C 5. 21											
S1 21 Discharge	Pipe to Elbow		PT UT										
2-151- 90C	W-22	C 5. 21				S							
S1 21 Discharge	Elbow to Pipe		PT UT										
2-151- 90C	W-23	C 5. 21											
S1 21 Discharge	Pipe to Pipe		PT UT										
2-151- 90C	W-24	C 5. 21											
S1 21 Discharge	Pipe to Red Tee		PT UT										
2-151- 90C	W-25	C 5. 21											
S1 21 Discharge	Red Tee to Pipe		PT UT										
2-151- 90C	W-26	C 5. 21											
S1 21 Discharge	Pipe to Reducer		PT UT										
2-151- 91	H- 1	F-A, CL II											
S15 Loop A	Rod/Clamp		VT3										
2-151- 91	H- 2	F-A, CL II											
S15 Loop A	Box		VT3										
2-151- 91	H- 3	F-A, CL II				S							
S15 Loop A	Rod/Clamp		VT3										
2-151- 91	H- 4	F-A, CL II											
S15 Loop A	Box		VT3										
2-151- 91	H- 5	F-A, CL II											
S15 Loop A	Box		VT3										
2-151- 91	H- 6	F-A, CL II											
S15 Loop A	Rod/Clamp		VT3										
2-151- 91	H- 7	F-A, CL II											
S15 Loop A	Box		VT3										
2-151- 91	H- 8	F-A, CL II											
S15 Loop A	Box		VT3										
2-151- 91	W- 1	C 5. 21											
S15 Loop A	Reducer to Pipe		PT UT										
2-151- 91	W- 2	C 5. 21											
S15 Loop A	Pipe to 45 Elbow		PT UT										
2-151- 91	W- 3	C 5. 21											
S15 Loop A	45 Elbow to Pipe		PT UT										
2-151- 91	W- 4	C 5. 21											
S15 Loop A	Pipe to 45 Elbow		PT UT										
2-151- 91	W- 5	C 5. 21											
S15 Loop A	45 Elbow to Pipe		PT UT										
2-151- 91	W- 6	C 5. 21											
S15 Loop A	Pipe to 45 Elbow		PT UT										
2-151- 91	W- 7	C 5. 21											
S15 Loop A	45 Elbow to Pipe		PT UT										
2-151- 91	W- 8	C 5. 21											
S15 Loop A	Pipe to 45 Elbow		PT UT										
2-151- 91	W- 9	C 5. 21											
S15 Loop A	45 Elbow to Pipe		PT UT										
2-151- 91	W-10	C 5. 21				S							
S15 Loop A	Pipe to Elbow		PT UT										
2-151- 91	W-11	C 5. 21											
S15 Loop A	Elbow to Pipe		PT UT										
2-151- 91	W-12	C 5. 30											
S15 Loop A	Pipe to Valve		PT										
2-151- 91	W-13	C 5. 30											
S15 Loop A	Valve to Pipe		PT										
2-151- 91	W-14	C 5. 21											
S15 Loop A	Pipe to Elbow		PT UT										

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					95	97	98	00	02	04	XX	XX	XX	XX
2-151- 91 SIS Loop A	W-15 Elbow to Pipe	C 5. 21	PT UT											
2-151- 91 SIS Loop A	W-16 Pipe to Elbow	C 5. 21	PT UT											
2-151- 91 SIS Loop A	W-17 Elbow to Pipe	C 5. 21	PT UT											
2-151- 91 SIS Loop A	W-18 Pipe to Red Tee	C 5. 21	PT UT											
2-151- 91 SIS Loop A	W-19 Red Tee To Pipe	C 5. 21	PT UT											
2-151- 91 SIS Loop A	W-20 Pipe to Elbow	C 5. 21	PT UT											
2-151- 91 SIS Loop A	W-21 Elbow to Pipe	C 5. 21	PT UT											
2-151- 91 SIS Loop A	W-22 Pipe to Orifice	C 5. 30	PT											
2-151- 91 SIS Loop A	W-23 Orifice to Pipe	C 5. 30	PT											
2-151- 91 SIS Loop A	W-24 Pipe to Elbow	C 5. 21	PT UT											
2-151- 91 SIS Loop A	W-25 Elbow to Pipe	C 5. 21	PT UT					S						
2-151- 91 SIS Loop A	W-26 Pipe to Valve	C 5. 30	PT					S						
2-151- 91 SIS Loop A	W-27 Valve to Pipe	C 5. 30	PT											
2-151- 91 SIS Loop A	W-28 Pipe to Pipe	C 5. 21	PT UT											
2-151- 91 SIS Loop A	W-29 Pipe to Valve	C 5. 30	PT											
2-151- 92 SIS Loop B	H- 1 Box	F-A, CL II	VT3											
2-151- 92 SIS Loop B	H- 2 Box	F-A, CL II	VT3											
2-151- 92 SIS Loop B	H- 3 Box	F-A, CL II	VT3											
2-151- 92 SIS Loop B	H- 4 Spring/Box	F-A, CL II	VT3						S					
2-151- 92 SIS Loop B	W- 1 Red Tee to Pipe	C 5. 21	PT UT											
2-151- 92 SIS Loop B	W- 2 Pipe to Elbow	C 5. 21	PT UT											
2-151- 92 SIS Loop B	W- 3 Elbow to Pipe	C 5. 21	PT UT											
2-151- 92 SIS Loop B	W- 4 Pipe to Red Tee	C 5. 21	PT UT											
2-151- 92 SIS Loop B	W- 5 Red Tee to Pipe	C 5. 21	PT UT											
2-151- 92 SIS Loop B	W- 6 Pipe to Valve	C 5. 30	PT											
2-151- 92 SIS Loop B	W- 7 Valve to Pipe	C 5. 30	PT											
2-151- 92 SIS Loop B	W- 8 Pipe to Elbow	C 5. 21	PT UT											
2-151- 92 SIS Loop B	W- 9 Elbow to Pipe	C 5. 21	PT UT											
2-151- 92 SIS Loop B	W-10 Pipe to Elbow	C 5. 21	PT UT											
2-151- 92 SIS Loop B	W-11 Elbow to Pipe	C 5. 21	PT UT											
2-151- 92 SIS Loop B	W-12 Pipe to Elbow	C 5. 21	PT UT											
2-151- 92 SIS Loop B	W-13 Elbow to Pipe	C 5. 21	PT UT											
2-151- 92 SIS Loop B	W-14 Pipe to Orifice	C 5. 30	PT											
2-151- 92 SIS Loop B	W-15 Orifice to Pipe	C 5. 30	PT											
2-151- 92 SIS Loop B	W-16 Pipe to Elbow	C 5. 21	PT UT						S					
2-151- 92 SIS Loop B	W-17 Elbow to Pipe	C 5. 21	PT UT											
2-151- 92 SIS Loop B	W-18 Pipe to Elbow	C 5. 21	PT UT											

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					95	97	98	00	02	04	XX	XX	XX	XX	XX
2-151- 92	W-19	C 5. 21													
SIS Loop B	Elbow to Pipe		PT UT												
2-151- 92	W-20	C 5. 30													
SIS Loop B	Pipe to Valve		PT												
2-151- 92	W-21	C 5. 30													
SIS Loop B	Valve to Pipe		PT												
2-151- 92	W-22	C 5. 30													
SIS Loop B	Pipe to Valve		PT												
2-151- 93A	H- 1	F-A, CL II													
SI 22 Discharge	Spring/Clamp		VT3												
2-151- 93A	H- 2	F-A, CL II													
SI 22 Discharge	Rod / Clamp		VT3												
2-151- 93A	H- 3	F-A, CL II													
SI 22 Discharge	Double Rigid Hanger		VT3												
2-151- 93A	H- 4	F-A, CL II													
SI 22 Discharge	Seismic Anchor		VT3					S							
2-151- 93A	H- 5	F-A, CL II													
SI 22 Discharge	Rigid Hanger		VT3												
2-151- 93A	H- 6	F-A, CL II													
SI 22 Discharge	Single & Seismic		VT3												
2-151- 93A	W- 1	C 5. 21													
SI 22 Discharge	Pump to Flange		MT UT												
2-151- 93A	W- 2	C 5. 21													
SI 22 Discharge	Flange to Pipe		PT UT												
2-151- 93A	W- 3	C 5. 41									S				
SI 22 Discharge	Pipe to Weldolet		PT												
2-151- 93A	W- 4	C 5. 21													
SI 22 Discharge	Pipe to Elbow		PT UT		S										
2-151- 93A	W- 5	C 5. 21													
SI 22 Discharge	Elbow to Valve		PT UT												
2-151- 93A	W- 6	C 5. 21													
SI 22 Discharge	Valve to Valve		PT UT												
2-151- 93A	W- 7	C 5. 21													
SI 22 Discharge	Valve to Elbow		PT UT												
2-151- 93A	W- 8	C 5. 21													
SI 22 Discharge	Elbow to Red Tee		PT UT												
2-151- 93A	W- 9	C 5. 21													
SI 22 Discharge	Red Tee to Pipe		PT UT												
2-151- 93A	W-10	C 5. 21													
SI 22 Discharge	Pipe to Valve		PT UT												
2-151- 93A	W-11	C 5. 21													
SI 22 Discharge	Red Tee to Reducer		PT UT												
2-151- 93A	W-12	C 5. 21													
SI 22 Discharge	Reducer to Pipe		PT UT												
2-151- 93A	W-13	C 5. 21													
SI 22 Discharge	Pipe to Elbow		PT UT												
2-151- 93A	W-14	C 5. 21													
SI 22 Discharge	Elbow to Pipe		PT UT												
2-151- 93A	W-15	C 5. 21													
SI 22 Discharge	Pipe to Elbow		PT UT												
2-151- 93A	W-16	C 5. 21													
SI 22 Discharge	Elbow to Pipe		PT UT												
2-151- 93A	W-17	C 5. 21													
SI 22 Discharge	Pipe to Flange		PT UT												
2-151- 93A	W-18	C 5. 21													
SI 22 Discharge	Flange to Pipe		PT UT												
2-151- 93A	W-19	C 5. 21													
SI 22 Discharge	Pipe to Elbow		PT UT												
2-151- 93A	W-20	C 5. 21													
SI 22 Discharge	Elbow to Pipe		PT UT												
2-151- 93A	W-21	C 5. 21													
SI 22 Discharge	Pipe to Elbow		PT UT												
2-151- 93A	W-22	C 5. 21													
SI 22 Discharge	Elbow to Pipe		PT UT					S							
2-151- 93A	W-23	C 5. 21													
SI 22 Discharge	Pipe to Pipe		PT UT												
2-151- 93A	W-24	C 5. 21													
SI 22 Discharge	Pipe to 45 Elbow		PT UT												
2-151- 93A	W-25	C 5. 21													
SI 22 Discharge	45 Elbow to Pipe		PT UT												
2-151- 93A	W-26	C 5. 21													
SI 22 Discharge	Pipe to Pipe		PT UT												
2-151- 93A	W-27	C 5. 21													
SI 22 Discharge	Pipe to Elbow		PT UT												

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2-151- 93A	J-28	C 5. 21									
SI 22 Discharge	Elbow to Pipe		PT UT								
2-151- 93B	H- 1	F-A, CL II							S		
SI 22 Discharge	Restraint		VT3								
2-151- 93B	H- 2	F-A, CL II									
SI 22 Discharge	Restraint		VT3								
2-151- 93B	H- 3	F-A, CL II									
SI 22 Discharge	Restraint		VT3								
2-151- 93B	H- 4	F-A, CL II									
SI 22 Discharge	Rigid Hanger		VT3								
2-151- 93B	W- 1	C 5. 21									
SI 22 Discharge	Elbow to Pipe		PT UT								
2-151- 93B	W- 2	C 5. 21									
SI 22 Discharge	Pipe to Elbow		PT UT								
2-151- 93B	W- 3	C 5. 21									
SI 22 Discharge	Elbow to Pipe		PT UT								
2-151- 93B	W- 4	C 5. 21									
SI 22 Discharge	Pipe to Elbow		PT UT								
2-151- 93B	W- 5	C 5. 21							S		
SI 22 Discharge	Elbow to Pipe		PT UT								
2-151- 93B	W- 6	C 5. 21									
SI 22 Discharge	Pipe to Elbow		PT UT								
2-151- 93B	W- 7	C 5. 21									
SI 22 Discharge	Elbow to Pipe		PT UT								
2-151- 93B	W- 8	C 5. 21									
SI 22 Discharge	Pipe to Elbow		PT UT								
2-151- 93B	W- 9	C 5. 21									
SI 22 Discharge	Elbow to Pipe		PT UT								
2-151- 93B	W-10	C 5. 21									
SI 22 Discharge	Pipe to Elbow		PT UT								
2-151- 93B	W-11	C 5. 21									
SI 22 Discharge	Elbow to Pipe		PT UT								
2-151- 93B	W-12	C 5. 21									
SI 22 Discharge	Pipe to Elbow		PT UT								
2-151- 93B	W-13	C 5. 21									
SI 22 Discharge	Elbow to Pipe		PT UT								
2-151- 93B	W-14	C 5. 21									
SI 22 Discharge	Pipe to Elbow		PT UT								
2-151- 93B	W-15	C 5. 21									
SI 22 Discharge	Elbow to Pipe		PT UT								
2-151- 93B	W-16	C 5. 21									
SI 22 Discharge	Pipe to Elbow		PT UT								
2-151- 93B	W-17	C 5. 21									
SI 22 Discharge	Elbow to Pipe		PT UT								
2-151- 93B	W-18	C 5. 21									
SI 22 Discharge	Pipe to Elbow		PT UT								
2-151- 93B	W-19	C 5. 21									
SI 22 Discharge	Elbow to Pipe		PT UT								
2-151- 93B	W-20	C 5. 21									
SI 22 Discharge	Pipe to Elbow		PT UT								
2-151- 93B	W-21	C 5. 21									
SI 22 Discharge	Elbow to Valve		PT UT								
2-151- 93B	W-22	C 5. 21									
SI 22 Discharge	Valve to Elbow		PT UT								
2-151- 93B	W-23	C 5. 21									
SI 22 Discharge	Elbow to Pipe		PT UT								
2-151- 93B	W-24	C 5. 21									
SI 22 Discharge	Pipe to Elbow		PT UT								
2-151- 93B	W-25	C 5. 21									
SI 22 Discharge	Elbow to Pipe		PT UT								
2-151- 93B	W-26	C 5. 21									
SI 22 Discharge	Pipe to Reducer		PT UT								
2-151- 93B	W-27	C 5. 21									
SI 22 Discharge	Reducer to Pipe		PT UT								
2-151- 93C	H- 1	F-A, CL II									
SI 22 Discharge	Hanger		VT3								
2-151- 93C	H- 2	F-A, CL II									
SI 22 Discharge	Spring/Clamp		VT3								
2-151- 93C	W- 1	C 5. 21									
SI 22 Discharge	Pipe to Reducer		PT UT								
2-151- 93C	W- 2	C 5. 21									
SI 22 Discharge	Reducer to Pipe		PT UT								
2-151- 93C	W- 3	C 5. 21									
SI 22 Discharge	Pipe to Elbow		PT UT								

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					95	97	98	00	02	04	XX	XX	XX	XX
2-151- 93C SI 22 Discharge	W- 4 Elbow to Pipe	C 5. 21	PT UT				S							
2-151- 93C SI 22 Discharge	W- 5 Pipe to Red Tee	C 5. 21	PT UT											
2-151- 93C SI 22 Discharge	W- 6 Red Tee to Pipe	C 5. 21	PT UT											
2-151- 93C SI 22 Discharge	W- 7 Pipe to Elbow	C 5. 21	PT UT											
2-151- 93C SI 22 Discharge	W- 8 Elbow to Pipe	C 5. 21	PT UT											
2-151- 93C SI 22 Discharge	W- 9 Pipe to Elbow	C 5. 21	PT UT											
2-151- 93C SI 22 Discharge	W-10 Elbow to Pipe	C 5. 21	PT UT											
2-151- 93C SI 22 Discharge	W-11 Pipe to Red Tee	C 5. 21	PT UT											
2-151- 93C SI 22 Discharge	W-12 Red Tee to Reducer	C 5. 21	PT UT											
2-151- 94A Reactor Vessel SIS A	H- 1 Double Restraint	F-A, CL II	VT3											
2-151- 94A Reactor Vessel SIS A	H- 2 Box Restraint	F-A, CL II	VT3											
2-151- 94A Reactor Vessel SIS A	H- 3 Box Restraint	F-A, CL II	VT3											
2-151- 94A Reactor Vessel SIS A	H- 4 Snubber/Clamp	F-A, CL II	VT3			S								
2-151- 94A Reactor Vessel SIS A	W- 1 Reducer to Elbow	C 5. 21	PT UT											
2-151- 94A Reactor Vessel SIS A	W- 2 Elbow to Pipe	C 5. 21	PT UT											
2-151- 94A Reactor Vessel SIS A	W- 3 Pipe to 45 Elbow	C 5. 21	PT UT											
2-151- 94A Reactor Vessel SIS A	W- 4 45 Elbow to Pipe	C 5. 21	PT UT											
2-151- 94A Reactor Vessel SIS A	W- 5 Pipe to Elbow	C 5. 21	PT UT											
2-151- 94A Reactor Vessel SIS A	W- 6 Elbow to Pipe	C 5. 21	PT UT											
2-151- 94A Reactor Vessel SIS A	W- 7 Pipe to Elbow	C 5. 21	PT UT											
2-151- 94A Reactor Vessel SIS A	W- 8 Elbow to Pipe	C 5. 21	PT UT											
2-151- 94A Reactor Vessel SIS A	W- 9 Pipe to Elbow	C 5. 21	PT UT											
2-151- 94A Reactor Vessel SIS A	W-10 Elbow to Pipe	C 5. 21	PT UT											
2-151- 94A Reactor Vessel SIS A	W-11 Pipe to Elbow	C 5. 21	PT UT											
2-151- 94A Reactor Vessel SIS A	W-12 Elbow to Pipe	C 5. 21	PT UT											
2-151- 94A Reactor Vessel SIS A	W-13 Pipe to Elbow	C 5. 21	PT UT			S								
2-151- 94A Reactor Vessel SIS A	W-14 Elbow to Pipe	C 5. 21	PT UT											
2-151- 94A Reactor Vessel SIS A	W-15 Pipe to Valve	C 5. 30	PT											
2-151- 94B Reactor Vessel SIS B	H- 1 Rod/Clamp	F-A, CL II	VT3											
2-151- 94B Reactor Vessel SIS B	H- 2 Rigid Hanger	F-A, CL II	VT3											
2-151- 94B Reactor Vessel SIS B	H- 3 Snubber & Restraint	F-A, CL II	VT3				S							
2-151- 94B Reactor Vessel SIS B	H- 4 Spring Base	F-A, CL II	VT3											
2-151- 94B Reactor Vessel SIS B	W- 1 Valve to Pipe	C 5. 30	PT			S								
2-151- 94B Reactor Vessel SIS B	W- 2 Pipe to Elbow	C 5. 21	PT UT											
2-151- 94B Reactor Vessel SIS B	W- 3 Elbow to Elbow	C 5. 21	PT UT											
2-151- 94B Reactor Vessel SIS B	W- 4 Elbow to Pipe	C 5. 21	PT UT											
2-151- 94B Reactor Vessel SIS B	W- 5 Pipe to Orifice	C 5. 30	PT											

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					95	97	98	00	02	04	XX	XX	XX	XX
2-ISI- 94B	W- 6	C 5. 30												
Reactor Vessel SIS B	Orifice to Pipe		PT											
2-ISI- 94B	W- 7	C 5. 21												
Reactor Vessel SIS B	Pipe to Elbow		PT UT											
2-ISI- 94B	W- 8	C 5. 21												
Reactor Vessel SIS B	Elbow to Pipe		PT UT											
2-ISI- 94B	W- 9	C 5. 21												
Reactor Vessel SIS B	Pipe to Elbow		PT UT											
2-ISI- 94B	W-10	C 5. 21												
Reactor Vessel SIS B	Elbow to Pipe		PT UT											
2-ISI- 94B	W-11	C 5. 21												
Reactor Vessel SIS B	Pipe to Elbow		PT UT											
2-ISI- 94B	W-12	C 5. 21												
Reactor Vessel SIS B	Elbow to Pipe		PT UT					S						
2-ISI- 94B	W-13	C 5. 30												
Reactor Vessel SIS B	Pipe to Valve		PT											
2-ISI- 94B	W-14	C 5. 30												
Reactor Vessel SIS B	Valve to Pipe		PT											
2-ISI- 94B	W-15	C 5. 21												
Reactor Vessel SIS B	Pipe to Pipe		PT UT											
2-ISI- 94B	W-16	C 5. 30												
Reactor Vessel SIS B	Pipe to Valve		PT											
2-ISI- 95A	H- 1	F-A, CL II												
Reactor Vessel SIS A	Restraint		VT3											
2-ISI- 95A	H- 2	F-A, CL II												
Reactor Vessel SIS A	Rod/Clamp		VT3							S				
2-ISI- 95A	H- 3	F-A, CL II												
Reactor Vessel SIS A	Rigid & Restraint		VT3											
2-ISI- 95A	H- 4	F-A, CL II												
Reactor Vessel SIS A	Box Restraint		VT3											
2-ISI- 95A	H- 5	F-A, CL II												
Reactor Vessel SIS A	Box Restraint		VT3											
2-ISI- 95A	W- 1	C 5. 21												
Reactor Vessel SIS A	Red Tee to Pipe		PT UT											
2-ISI- 95A	W- 2	C 5. 21												
Reactor Vessel SIS A	Pipe to Pipe		PT UT											
2-ISI- 95A	W- 3	C 5. 21												
Reactor Vessel SIS A	Pipe to Elbow		PT UT											
2-ISI- 95A	W- 4	C 5. 21												
Reactor Vessel SIS A	Elbow to Pipe		PT UT											
2-ISI- 95A	W- 5	C 5. 21												
Reactor Vessel SIS A	Pipe to Elbow		PT UT											
2-ISI- 95A	W- 6	C 5. 21												
Reactor Vessel SIS A	Elbow to Pipe		PT UT											
2-ISI- 95A	W- 7	C 5. 21												
Reactor Vessel SIS A	Pipe to Elbow		PT UT							S				
2-ISI- 95A	W- 8	C 5. 21												
Reactor Vessel SIS A	Elbow to Pipe		PT UT											
2-ISI- 95A	W- 9	C 5. 21												
Reactor Vessel SIS A	Pipe to Elbow		PT UT											
2-ISI- 95A	W-10	C 5. 21												
Reactor Vessel SIS A	Elbow to Elbow		PT UT											
2-ISI- 95A	W-11	C 5. 21												
Reactor Vessel SIS A	Elbow to Pipe		PT UT											
2-ISI- 95A	W-12	C 5. 21												
Reactor Vessel SIS A	Pipe to Elbow		PT UT											
2-ISI- 95A	W-13	C 5. 21												
Reactor Vessel SIS A	Elbow to Pipe		PT UT											
2-ISI- 95A	W-14	C 5. 21												
Reactor Vessel SIS A	Pipe to Elbow		PT UT											
2-ISI- 95A	W-15	C 5. 21												
Reactor Vessel SIS A	Elbow to Pipe		PT UT											
2-ISI- 95A	W-16	C 5. 21												
Reactor Vessel SIS A	Pipe to Pipe		PT UT											
2-ISI- 95A	W-17	C 5. 21												
Reactor Vessel SIS A	Pipe to Elbow		PT UT											
2-ISI- 95A	W-18	C 5. 21												
Reactor Vessel SIS A	Elbow to Pipe		PT UT											
2-ISI- 95B	H- 1	F-A, CL II												
Reactor Vessel SIS A	Rigid Hanger		VT3											
2-ISI- 95B	H- 2	F-A, CL II												
Reactor Vessel SIS A	Box Restraint		VT3											
2-ISI- 95B	H- 3	F-A, CL II												
Reactor Vessel SIS A	Box Restraint		VT3											

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					95	97	98	00	02	04	XX	XX	XX	XX
2-ISI- 95B Reactor Vessel SIS A	H- 4 Rigid Hanger	F-A, CL II	VT3				S							
2-ISI- 95B Reactor Vessel SIS A	H- 5 Snubber & Restraint	F-A, CL II	VT3											
2-ISI- 95B Reactor Vessel SIS A	W- 1 Pipe to Elbow	C 5. 21	PT UT											
2-ISI- 95B Reactor Vessel SIS A	W- 2 Elbow to Pipe	C 5. 21	PT UT											
2-ISI- 95B Reactor Vessel SIS A	W- 3 Pipe to Elbow	C 5. 21	PT UT											
2-ISI- 95B Reactor Vessel SIS A	W- 4 Elbow to Pipe	C 5. 21	PT UT											
2-ISI- 95B Reactor Vessel SIS A	W- 5 Pipe to Elbow	C 5. 21	PT UT											
2-ISI- 95B Reactor Vessel SIS A	W- 6 Elbow to Pipe	C 5. 21	PT UT											
2-ISI- 95B Reactor Vessel SIS A	W- 7 Pipe to 45 Elbow	C 5. 21	PT UT											
2-ISI- 95B Reactor Vessel SIS A	W- 8 45 Elbow to Pipe	C 5. 21	PT UT											
2-ISI- 95B Reactor Vessel SIS A	W- 9 Pipe to 45 Elbow	C 5. 21	PT UT											
2-ISI- 95B Reactor Vessel SIS A	W-10 45 Elbow to Pipe	C 5. 21	PT UT											
2-ISI- 95B Reactor Vessel SIS A	W-11 Pipe to Valve	C 5. 30	PT											
2-ISI- 95B Reactor Vessel SIS A	W-12 Valve to Pipe	C 5. 30	PT							S				
2-ISI- 95B Reactor Vessel SIS A	W-13 Pipe to Elbow	C 5. 21	PT UT							S				
2-ISI- 95B Reactor Vessel SIS A	W-14 Elbow to Pipe	C 5. 21	PT UT											
2-ISI- 95B Reactor Vessel SIS A	W-15 Pipe to Elbow	C 5. 21	PT UT											
2-ISI- 95B Reactor Vessel SIS A	W-16 Elbow to Pipe	C 5. 21	PT UT											
2-ISI- 95B Reactor Vessel SIS A	W-17 Pipe to Orifice	C 5. 30	PT											
2-ISI- 95B Reactor Vessel SIS A	W- Orifice to Pipe	C 5. 30	PT											
2-ISI- 95B Reactor Vessel SIS A	W-19 Pipe to Elbow	C 5. 21	PT UT				S							
2-ISI- 95B Reactor Vessel SIS A	W-20 Elbow to Pipe	C 5. 21	PT UT											
2-ISI- 95B Reactor Vessel SIS A	W-21 Pipe to Elbow	C 5. 21	PT UT											
2-ISI- 95B Reactor Vessel SIS A	W-22 Elbow to Pipe	C 5. 21	PT UT											
2-ISI- 95B Reactor Vessel SIS A	W-23 Pipe to Elbow	C 5. 21	PT UT											
2-ISI- 95B Reactor Vessel SIS A	W-24 Elbow to Pipe	C 5. 21	PT UT											
2-ISI- 95B Reactor Vessel SIS A	W-25 Pipe to Valve	C 5. 30	PT											
2-ISI- 95B Reactor Vessel SIS A	W-26 Valve to Pipe	C 5. 30	PT											
2-ISI- 95B Reactor Vessel SIS A	W-27 Pipe to Pipe	C 5. 21	PT UT											
2-ISI- 95B Reactor Vessel SIS A	W-28 Pipe to Valve	C 5. 30	PT											
2-ISI- 96 SI Test Line	H- 1 Rigid Restraint	F-A, CL II	VT3											
2-ISI- 96 SI Test Line	W- 1 Weldolet to Pipe	C 5. 21	PT UT											
2-ISI- 96 SI Test Line	W- 2 Pipe to Elbow	C 5. 30	PT											
2-ISI- 96 SI Test Line	W- 3 Elbow to Pipe	C 5. 30	PT											
2-ISI- 96 SI Test Line	W- 4 Pipe to Elbow	C 5. 30	PT											
2-ISI- 96 SI Test Line	W- 5 Elbow to Pipe	C 5. 30	PT											
2-ISI- 96 SI Test Line	W- 6 Pipe to Elbow	C 5. 30	PT											

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ISO System	Item Description	ASME Item Number	Method	Relief Requests & Notes	Schedule									
					95	97	98	00	02	04	XX	XX	XX	XX
2-ISI- 96	W- 7	C 5. 30												
SI Test Line	Elbow to Pipe		PT											
2-ISI- 96	W- 8	C 5. 21												
SI Test Line	Pipe to Orifice		PT UT											
2-ISI- 96	W- 9	C 5. 21												
SI Test Line	Orifice to Red Tee		PT UT											
2-ISI- 96	W-10	C 5. 30												
SI Test Line	Red Tee to Pipe		PT											
2-ISI- 96	W-11	C 5. 30			S									
SI Test Line	Pipe to Valve		PT											
2-ISI- 96	W-12	C 5. 30												
SI Test Line	Valve to Pipe		PT											
2-ISI- 96	W-13	C 5. 30												
SI Test Line	Pipe to Valve		PT											
2-ISI- 96	W-14	C 5. 30												
SI Test Line	Valve to Pipe		PT											
2-ISI- 96	W-15	C 5. 30												
SI Test Line	Pipe to Tee		PT											
2-ISI- 96	W-16	C 5. 30												
SI Test Line	Tee to Reducer		PT											
2-ISI- 96	W-17	C 5. 30												
SI Test Line	Tee to Pipe		PT											
2-ISI- 96	W-18	C 5. 30												
SI Test Line	Pipe to Tee		PT											
2-ISI- 96	W-19	C 5. 30												
SI Test Line	Reducer to Tee		PT											
2-ISI- 96	W-20	C 5. 30												
SI Test Line	Tee to Pipe		PT											
2-ISI- 97	H- 1	F-A, CL II												
SI Test	Rigid Hanger		VT3											
2-ISI- 97	H- 2	F-A, CL II												
SI Test	Rigid Restraint		VT3											
2-ISI- 97	W- 1	C 5. 21												
SI Test	Weldolet to Pipe		PT UT											
2-ISI- 97	W- 2	C 5. 30				S								
SI Test	Pipe to Elbow		PT											
2-ISI- 97	W- 3	C 5. 30												
SI Test	Elbow to Pipe		PT											
2-ISI- 97	W- 4	C 5. 30												
SI Test	Pipe to Elbow		PT											
2-ISI- 97	W- 5	C 5. 30												
SI Test	Elbow to Pipe		PT											
2-ISI- 97	W- 6	C 5. 30												
SI Test	Pipe to Elbow		PT											
2-ISI- 97	W- 7	C 5. 30						S						
SI Test	Elbow to Pipe		PT											
2-ISI- 97	W- 8	C 5. 21						S						
SI Test	Pipe to Orifice		PT UT											
2-ISI- 97	W- 9	C 5. 21												
SI Test	Orifice to Red Tee		PT UT											
2-ISI- 97	W-10	C 5. 30												
SI Test	Red Tee to Pipe		PT											
2-ISI- 97	W-11	C 5. 30												
SI Test	Pipe to Valve		PT											
2-ISI- 97	W-12	C 5. 30												
SI Test	Valve to Pipe		PT											
2-ISI- 97	W-13	C 5. 30												
SI Test	Pipe to Valve		PT											
2-ISI- 97	W-14	C 5. 30												
SI Test	Valve to Pipe		PT											
2-ISI- 97	W-15	C 5. 30												
SI Test	Pipe to Tee		PT											
2-ISI- 97	W-16	C 5. 30												
SI Test	Tee to Reducer		PT											
2-ISI- 97	W-17	C 5. 30												
SI Test	Tee to Pipe		PT											
2-ISI- 97	W-18	C 5. 30												
SI Test	Pipe to Tee		PT											
2-ISI- 97	W-19	C 5. 30												
SI Test	Pipe to Tee		PT											
2-ISI- 97	W-20	C 5. 30												
SI Test	Tee to Pipe		PT											
2-ISI- 97	W-21	C 5. 30												
SI Test	Pipe to Valve		PT											

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ISO System	Item Description	ASME Item Number	Method	Relief Requests & Notes	Schedule									
					95	97	98	00	02	04	XX	XX	XX	XX
2-151- 97	W-22	C 5. 30												
SI Test	Valve to Pipe		PT											
2-151- 97	W-23	C 5. 30												
SI Test	Pipe to Valve		PT											
2-151- 98	W- 1/LSUD	C X. XX												
Cont Spray 22 Suct	Tee to Pipe													
2-151- 98	W- 2/LSUD	C X. XX												
Cont Spray 22 Suct	Pipe to Elbow													
2-151- 98	W- 3/LSUD	C X. XX												
Cont Spray 22 Suct	Elbow to Pipe													
2-151- 98	W- 4/LSUD	C X. XX												
Cont Spray 22 Suct	Pipe to Elbow													
2-151- 98	W- 5/LSUD	C X. XX												
Cont Spray 22 Suct	Elbow to Pipe													
2-151- 98	W- 6/LSU	C X. XX												
Cont Spray 22 Suct	Pipe to Flange													
2-151- 98	W- 7/LSUD	C X. XX												
Cont Spray 22 Suct	Flange to Pipe													
2-151- 98	W- 8/LSUD	C X. XX												
Cont Spray 22 Suct	Pipe to Elbow													
2-151- 98	W- 9/LSUD	C X. XX												
Cont Spray 22 Suct	Elbow to Pipe													
2-151- 98	W-10/LSUD	C X. XX												
Cont Spray 22 Suct	Pipe to Elbow													
2-151- 98	W-11/LSU	C X. XX												
Cont Spray 22 Suct	Elbow to Valve													
2-151- 98	W-12/LSUD	C X. XX												
Cont Spray 22 Suct	Valve to Reducer													
2-151- 98	W-13/LSUD	C X. XX												
Cont Spray 22 Suct	Reducer to Tee													
2-151- 98	W-14/LSU	C X. XX												
Cont Spray 22 Suct	Tee to Flange													
2-151- 98	W-15/LSUD	C X. XX												
Cont Spray 22 Suct	Flange to Pipe													
2-151- 98	W-16/LSU	C X. XX												
Cont Spray 22 Suct	Pipe to Flange													
2-151- 98	W-17	C X. XX												
Cont Spray 22 Suct	Flange to Pump													
2-151- 99	W- 1/LSUD	C X. XX												
Cont Spray 21 Suct	Tee to Pipe													
2-151- 99	W- 2/LSUD	C X. XX												
Cont Spray 21 Suct	Pipe to Elbow													
2-151- 99	W- 3/LSUD	C X. XX												
Cont Spray 21 Suct	Elbow to Pipe													
2-151- 99	W- 4/LSUD	C X. XX												
Cont Spray 21 Suct	Pipe to Elbow													
2-151- 99	W- 5/LSUD	C X. XX												
Cont Spray 21 Suct	Elbow to Pipe													
2-151- 99	W- 6/LSUD	C X. XX												
Cont Spray 21 Suct	Pipe to Elbow													
2-151- 99	W- 7/LSUD	C X. XX												
Cont Spray 21 Suct	Elbow to Pipe													
2-151- 99	W- 8/LSU	C X. XX												
Cont Spray 21 Suct	Pipe to Flange													
2-151- 99	W- 9/LSUD	C X. XX												
Cont Spray 21 Suct	Flange to Pipe													
2-151- 99	W-10/LSUD	C X. XX												
Cont Spray 21 Suct	Pipe to Elbow													
2-151- 99	W-11/LSUD	C X. XX												
Cont Spray 21 Suct	Elbow to Pipe													
2-151- 99	W-12/LSUD	C X. XX												
Cont Spray 21 Suct	Pipe to Elbow													
2-151- 99	W-13/LSU	C X. XX												
Cont Spray 21 Suct	Elbow to Valve													
2-151- 99	W-14/LSUD	C X. XX												
Cont Spray 21 Suct	Valve to Reducer													
2-151- 99	W-15/LSUD	C X. XX												
Cont Spray 21 Suct	Reducer to Tee													
2-151- 99	W-16/LSU	C X. XX												
Cont Spray 21 Suct	Tee to Flange													
2-151- 99	W-17/LSUD	C X. XX												
Cont Spray 21 Suct	Flange to Pipe													
2-151- 99	W-18/LSU	C X. XX												
Cont Spray 21 Suct	Pipe to Flange													

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ISO System	Item Item Description	ASME Item Number	Method	Relief Requests & Notes	Schedule									
					95	97	98	00	02	04	XX	XX	XX	XX
2-ISI- 99	W-19	C X. XX												
Cont Spray 21 Suct	Flange to Pump													
2-ISI-100	W- 1	C X. XX												
Cont Spray Discharge	Pump to Flange													
2-ISI-100	W- 2	C X. XX												
Cont Spray Discharge	Flange to Reducer													
2-ISI-100	W- 3	C X. XX												
Cont Spray Discharge	Reducer to Pipe													
2-ISI-100	W- 4	C X. XX												
Cont Spray Discharge	Pipe to Valve													
2-ISI-100	W- 5	C X. XX												
Cont Spray Discharge	Pump to Flange													
2-ISI-100	W- 6	C X. XX												
Cont Spray Discharge	Flange to Reducer													
2-ISI-100	W- 7	C X. XX												
Cont Spray Discharge	Reducer to Pipe													
2-ISI-100	W- 8	C X. XX												
Cont Spray Discharge	Pipe to Valve													
2-Press Test Cl 1	LT- 1	B15. 10 B15. 11	VT2		S	S	S	S	S	S				
Reactor Coolant	Leakage Test													
2-Press Test Cl 2	FT- 2	C 7. 10 C 7. 20	VT2			S		S		S				
RHR	Functional Test													
2-Press Test Cl 2	FT- 2	C 7. 20	VT2							S				
RHR	Functional Test													
2-Press Test Cl 2	FT- 3	C 7. 10 C 7. 20	VT2			S		S		S				
CVCS	Functional Test													
2-Press Test Cl 2	FT- 3	C 7. 20	VT2							S				
CVCS	Functional Test													
2-Press Test Cl 2	FT- 4	C 7. 10 C 7. 20	VT2			S		S		S				
Safety Injection	Functional Test													
2-Press Test Cl 2	FT- 4	C 7. 20	VT2							S				
Safety Injection	Functional Test													
2-Press Test Cl 2	FT- 5	C 7. 10 C 7. 20	VT2			S		S		S				
Main Steam	Functional Test													
2-Press Test Cl 2	FT- 5	C 7. 20	VT2							S				
Main Steam	Functional Test													
2-Press Test Cl 2	FT- 6	C 7. 10 C 7. 20	VT2			S		S		S				
Feedwater	Functional Test													
2-Press Test Cl 2	FT- 6	C 7. 20	VT2							S				
Feedwater	Functional Test													
2-Press Test Cl 2	FT- 7	C 7. 10 C 7. 20	VT2			S		S		S				
Waste Liquid	Functional Test													
2-Press Test Cl 2	FT- 7	C 7. 20	VT2							S				
Waste Liquid	Functional Test													
2-Press Test Cl 2	FT- 8	C 7. 10 C 7. 20	VT2			S		S		S				
Containment Spray	Functional Test													
2-Press Test Cl 2	FT- 8	C 7. 20	VT2							S				
Containment Spray	Functional Test													
2-Press Test Cl 2	FT- 9	C 7. 10 C 7. 20	VT2			S		S		S				
Steam Sampling	Functional Test													
2-Press Test Cl 2	FT- 9	C 7. 20	VT2							S				
Steam Sampling	Functional Test													
2-Press Test Cl 2	FT-10	C 7. 10 C 7. 20	VT2			S		S		S				
SG Blowdown	Functional Test													
2-Press Test Cl 2	FT-10	C 7. 20	VT2							S				
SG Blowdown	Functional Test													
2-Press Test Cl 2	FT-11	C 7. 10 C 7. 20	VT2			S		S		S				
Hydrogen Control	Functional Test													
2-Press Test Cl 2	FT-11	C 7. 20	VT2							S				
Hydrogen Control	Functional Test													
2-Press Test Cl 3	FT-12	D 2. 10	VT2			S		S						
Cooling Water	Functional Test													
2-Press Test Cl 3	FT-12	D 2. 10	VT2							S				
Cooling Water	Functional Test													
2-Press Test Cl 3	FT-13	D 2. 10	VT2			S		S						
Fan Coils	Functional Test													
2-Press Test Cl 3	FT-14	D 2. 10	VT2			S		S						
Cooling to CC HX A	Functional Test													
2-Press Test Cl 3	FT-15	D 2. 10	VT2			S		S						
Cooling to CC HX B	Functional Test													
2-Press Test Cl 3	FT-16	D 2. 10	VT2			S		S						
MS to TDAFWP	Functional Test													
2-Press Test Cl 3	FT-17	D 2. 10	VT2			S		S						
Aux Feed	Functional Test													

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ISO System	Item Description	ASME Item Number	Method	Relief Requests & Notes	Schedule									
					95	97	98	00	02	04	XX	XX	XX	XX
2-Press Test Cl 3 Caustic Addition	FT-18 Functional Test	D 2. 10	VT2			S		S						
2-Press Test Cl 3 Component Cooling	FT-19 Functional Test	D 2. 10	VT2			S		S						
2-Press Test Cl 3 Chilled Water	FT-20 Functional Test	D 2. 10	VT2			S		S						
2-Press Test Cl 3 Fan Coils	HT-13 Hydro Test	D 2. 10	VT2							S				
2-Press Test Cl 3 Cooling to CC HX A	HT-14 Hydro Test	D 2. 10	VT2							S				
2-Press Test Cl 3 Cooling to CC HX B	HT-15 Hydro Test	D 2. 10	VT2							S				
2-Press Test Cl 3 MS to TDAFWP	HT-16 Hydro Test	D 2. 10	VT2							S				
2-Press Test Cl 3 Aux Feed	HT-17 Hydro Test	D 2. 10	VT2							S				
2-Press Test Cl 3 Caustic Addition	HT-18 Hydro Test	D 2. 10	VT2							S				
2-Press Test Cl 3 Component Cooling	HT-19 Hydro Test	D 2. 10	VT2							S				
2-Press Test Cl 3 Chilled Water	HT-20 Hydro Test	D 2. 10	VT2							S				