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Dominion®

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U. S. Nuclear Regulatory Commission
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Washington, DC 20555

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DOMINION ENERGY KEWAUNEE, INC.
KEWAUNEE POWER STATION
SECOND 10-YEAR INSERVICE INSPECTION CLASS MC (ISI) PROGRAM

In accordance with IWA-1400(c) of ASME Boiler and Pressure Vessel Code Section XI, Dominion Energy Kewaunee, Inc. (DEK) is submitting the Kewaunee Power Station (Kewaunee) Second 10-Year Inservice Inspection Class MC (ISI) Program. As required by 10 CFR 50.55a(g)(5)(i), DEK has updated the Class MC (Metal Containment) Inservice Inspection (ISI) Program for Kewaunee. The next 120-month inspection interval starts on September 9, 2006. Therefore, in accordance with 10 CFR 50.55a(g)(4)(ii), DEK has upgraded the program to address the requirements of the ASME Boiler and Pressure Vessel Code Section XI 2001 Edition, up to and including the 2003 Addenda.

10 CFR 50.55a(g)(4)(ii) requires use of the latest edition and addenda that has been incorporated by reference one year prior to the beginning of each 120-month interval. For Kewaunee the applicable code and addenda is ASME Boiler and Pressure Vessel Code Section XI, 2001 Edition with 2003 Addenda.

It is important to note that the ISI Program is a working document and that changes can be expected to occur during the implementation phase of the program, as allowed by 10 CFR 50.55a. Accordingly, DEK may periodically update the most recent revision of the Class MC ISI Program, including submittal of relief requests and ASME Boiler and Pressure Vessel Code Section XI Code Cases.

If you have questions or require additional information, please contact Mr. Craig Sly at 804-273-2784.

Very truly yours,

Leslie N. Hartz
Vice President – Nuclear Engineering

A047

Enclosure – Kewaunee Power Station Second 10-Year Inservice Inspection Class MC (ISI) Program, 2006-2016, Revision: Original

Commitments made by this letter: None

cc without enclosure:

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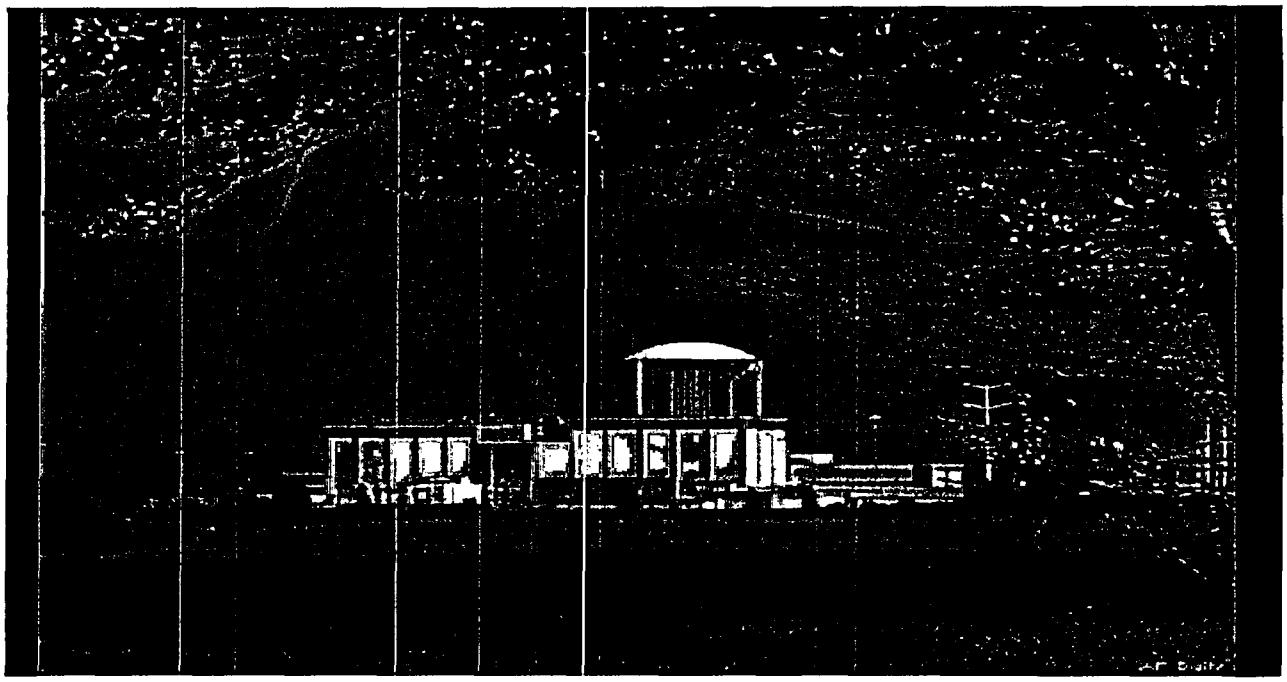

KEWAUNEE POWER STATION

SECOND 10 - YEAR

INSERVICE INSPECTION

CLASS MC (ISI) PROGRAM

2006-2016

REVISION: ORIGINAL

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SECTION 1.0

INTRODUCTION

The Kewaunee Power Station, located nine miles south of Kewaunee, Wisconsin, on the western shore of Lake Michigan, is operated by Dominion Energy-Kewaunee. The Kewaunee Power Station is a 600 Megawatt Electric gross, Westinghouse design, two-loop pressurized water reactor that was placed into commercial operation in June 1974.

This plan fulfills the Second Inspection Interval Inservice Inspection (ISI) Class MC requirements specified by Code of Federal Regulations 10 CFR 50.55a (g) (6) (ii) (B), Federal Register/ Volume 61 No.190/ Friday October 1, 2004/ Rules and Regulations and ASME Boiler and Pressure Vessel Code Section XI 2001 Edition 2003 Addenda. The Second Inspection Interval starts September 9, 2006 and ends September 9, 2016.

The Second Inspection Interval ISI Class MC Plan for the Kewaunee Power Station addresses all the Containment Surfaces, Pressure Retaining Welds, Containment Surfaces requiring Augmented Examination, Moisture Barriers, Pressure Retaining Dissimilar Metal Welds, Pressure Retaining Bolting and Pressure Retaining Components that are required to be examined, the method of examination, and the inspection period (3 1/3 year time frame) during the ten years (2006-2016) when the examinations are scheduled.

This program follows Inspection Program B as defined in ASME Boiler and Pressure Vessel Code Section XI 2001 Edition 2003 Addenda Section IWE-2412.

Discussion to clarify each section of this document is found in the front of that particular section. For example, a description and list of drawing numbers has been provided as an introduction to Appendix A, ISI Drawings.

REVISION AND CONTROL

Revision of the Class MC (ISI) Program is controlled by NAD - 05.11 " Revision and Control of the ISI Plan". Revision to the Class MC ISI Drawings is controlled by GNP-05.01.01 " Drawing Development and Revision ".

SECTION 1.0

INTRODUCTION

When a revision is made to the Class MC ISI Program Plan, the entire affected section is revised. One copy of the original and subsequent revisions are maintained as a permanent record in the Kewaunee Power Station QA Vault. The updates will be sent to all controlled copy holders.

A revision and control basis section is included with each update. It contains the revision number, a brief description of the changes that occurred with each update, the section affected, the date of issuance, and the approvals. A revision log will be maintained to track controlled copy holders manual updates.

The following table documents changes to the Class MC (ISI) Program Plan:

REV.	SECTION	PAGES	DESCRIPTION OF CHANGE	DATE OF ISSUANCE	APPROVALS

SECTION 2.0

BACKGROUND

The Kewaunee Power Station Reactor Building Containment Vessel was designed and fabricated before the examination requirements of ASME Boiler and Pressure Vessel Code Section XI were formalized and published. Therefore, limitations are likely to occur due to conditions such as accessibility, geometric configuration, and/or metallurgical characteristics. Typically, these conditions will be documented in the Inservice Inspection Final Report following each Refueling Outage. Relief Requests, as required, will be submitted in accordance Code of Federal Regulations 10 CFR 50.55a (g) (5).

SECTION 3.0

EXEMPTIONS

Portions of the Class MC Components that are exempt from examinations are defined by Code Class as follows:

Class MC

Exemption E 1-1

Code Reference: ASME Boiler and Pressure Vessel Code Section XI 2001 Edition 2003 Addenda Article IWE-1000 Subsection IWE-1220

Description:

The following components (or parts of components) are exempted from the examination requirements of IWE-2000:

(a) vessels, parts, and appurtenances outside the boundaries of the containment system as defined in the Design Specifications;
(b) embedded or inaccessible portions of containment vessels, parts and appurtenances that met the requirements of the original Construction Code;
(c) portions of containment vessels, parts, and appurtenances that become embedded or inaccessible as a result of vessel repair/replacement activities if the conditions of IWE-1232(a) and (b) and IWE-5220 are met;
(d) piping, pumps, and valves that are part of the containment system, or which penetrate or are attached to the containment vessel. These components shall be examined in accordance with the requirements of IWB or IWC, as appropriate to the classification defined by the Design Specifications.

Embedded and Inaccessible portions of the Class MC Reactor Building Containment Vessel at the Kewaunee Power Station are identified on drawing M-1727 and include:

1. Reactor Building Containment Vessel Containment Surfaces
   A. Plate 1 through Plate 61
   B. Plate 62 (Partially Inaccessible) through Plate 70 (Partially Inaccessible)
   C. Plate 78 (Partially Inaccessible)
   D. Plate 79 (Partially Inaccessible)
   E. Penetration No.30E and Penetration No.30W
   F. Personnel Airlock (Partially Inaccessible)

SECTION 3.0

EXEMPTIONS

2. Reactor Building Containment Vessel Penetration Welds
   A. RBCV-PLW1
   B. RBCV-PLW2 (Partially Inaccessible)
   C. RBCV-PLW5 (Partially Inaccessible)
   D. RBCV-PLW10 (Partially Inaccessible)
   E. RBCV-PLW15 (Partially Inaccessible)
   F. RBCV-CW1
   G. RBCV-CW2
   H. RBCV-CW3
   I. RBCV-CW4 (Partially Inaccessible)
   J. RBCV-CW5 (Partially Inaccessible)
   K. RBCV-CW6 (Partially Inaccessible)
   L. RBCV-LW1 and RBCV-LW9
   M. RBCV-LW2 (Partially Inaccessible) through RBCV-LW 8 (Partially Inaccessible)
   N. RBCV-LW17 (Partially Inaccessible)
   O. RBCV-LW38 (Partially Inaccessible)
   P. RBCV-MW1 through RBCV-MW64
   Q. Penetration No.30E and Penetration No.30W
   R. Electrical Penetrations (Partially Inaccessible): A-1 through A-6; B-1 through B-6; B-9; B-12; C-1; C-2; C-3; C-4; C-5; C-6; D-1; D-2; D-3; D-4; D-5; D-6; D-8; D-11; E-1 through E-6; and F-1 through F-6.
   S. PA-W1 (Partially Inaccessible)
   T. PA-W5 (Partially Inaccessible)
   U. PA-W16 (Partially Inaccessible)
   V. PA-W19 (Partially Inaccessible)
   W. PA-W20 (Partially Inaccessible)

3. Reactor Building Containment Vessel Moisture Barriers
   A. RBCV-PLW2 (Partially Inaccessible)
   B. RBCV-PLW5 (Partially Inaccessible)
   C. RBCV-PLW10 (Partially Inaccessible)
   D. RBCV-CW3
   E. RBCV-LW1 and RBCV-LW9
   F. RBCV-LW2 (Partially Inaccessible) through RBCV-LW8 (Partially Inaccessible)
   G. Plate 62 (Partially Inaccessible) through Plate 70 (Partially Inaccessible)

4. Reactor Building Containment Vessel Bellows Expansion Joint, Associated Piping and Welds to Flued Head
   A. Penetration No.6E (Partially Inaccessible Protective Metal Covering)
   B. Penetration No.6W (Partially Inaccessible Protective Metal Covering)
   C. Penetration No.7E (Partially Inaccessible Protective Metal Covering)
   D. Penetration No.7W (Partially Inaccessible Protective Metal Covering)
   E. Penetration No.8N (Partially Inaccessible Protective Metal Covering)
   F. Penetration No.8S (Partially Inaccessible Protective Metal Covering)
   G. Penetration No. 9 (Partially Inaccessible Protective Metal Covering)
   H. Penetration No.10 (Partially Inaccessible Protective Metal Covering)
   I. Penetration No.11 (Partially Inaccessible Protective Metal Covering)
   J. Penetration No.18 (Partially Inaccessible Protective Metal Covering)

Exemption E 1-2

Code Reference: ASME Boiler and Pressure Vessel Code Section XI 2001 Edition 2003 Addenda Article IWE-1000 Subsection IWE-1220

Description:

The following components (or parts of components) are exempted from the examination requirements of IWE-2000:

(a) vessels, parts, and appurtenances that are outside the boundaries of the containment system as defined in the Design Specifications:
(b) embedded or inaccessible portions of containment vessels, parts and appurtenances that met the requirements of the original Construction Code;
(c) portions of containment vessels, parts, and appurtenances that become embedded or inaccessible as a result of vessel repair/replacement activities if the conditions of IWE-1232(a) and(b) and IWE-5220 are met;
(d) piping, pumps and valves that are part of the containment system, or which penetrate or are attached to the containment vessel. These components shall be examined in accordance with the requirements of IWB or IWC, as appropriate to the classification defined by the Design Specifications.

SECTION 3.0

EXEMPTIONS

Piping, pumps, and valves that are part of the containment system, or which penetrate or are attached to the containment vessel at the Kewaunee Power Station were classified (using Nuclear Regulatory Guide 1.26 as a guideline) and are examined according to the Kewaunee Nuclear Power Plant Fourth 10-Year Inservice Inspection (ISI) Program 2004-2014.

Background

As part of the design of the Kewaunee Power Station, Pioneer Services and Engineering Company, the architect-engineer, established the original Quality Assurance Boundaries. In June 1970, the Atomic Energy Commission issued quality assurance criteria for nuclear power plants. During construction, the 10CFR 50, Appendix B program was the primary program used in the design, fabrication, and testing of QA-1 safety-related structures, systems, and components. QA-1 identified those structures, systems, and components that prevent or mitigate the consequences of postulated accidents that could cause undue risk to the health and safety of the public. Valve type and placement that are used to represent boundaries for the Section XI classification system are based on the original design and QA classification. With only three exceptions, the Spent Fuel Pool Cooling and Clean-Up System (which does not penetrate the Reactor Building Containment Vessel), including 2" Piping from RWST to 2" Valves FPC-1100 and FPC-1010 (QA-3), Service Water System Service Water Pump Strainers (4 Total) 3" Backwash Lines (QA-3) and Service Water Side of Spent Fuel Pool Heat Exchanger up to 6" valves SW-1601 and SW-1602 (QA-3), all Section XI Boiler and Pressure Vessel Code piping falls within the QA-1 boundary at the Kewaunee Power Station. The QA Boundary classification system assures the highest possible degree of Quality standards consistent with the importance of the safety function at the Kewaunee Power Station. The QA Boundaries are defined on the Operation P&ID'S.

As explained above, the Kewaunee Power Station was designed, fabricated, and the Section XI pre-service examinations were completed before the ISI classification rules were formalized and published. For this reason, it is not practical and/or not possible for the Kewaunee Power Station to always apply the current ISI classification guidance to all portions of safety-related systems that were reviewed for inclusion in the Section XI code class boundary.

SECTION 4.0

CODE CASES

There are no current ASME Boiler and Pressure Vessel Code Section XI Code Cases that have been approved by the Nuclear Regulatory Commission under Regulatory Guide 1.147 "Inservice Inspection Code Case Acceptability ASME Section XI Division 1" that apply for the Kewaunee Power Station Second 10-Year Inservice Inspection Class MC (ISI) Program 2006-2016.

Future approved Code Cases if they apply at the Kewaunee Power Station will be utilized as applicable and when available.

SECTION 5.0

RELIEF REQUESTS

There are no current ASME Boiler and Pressure Vessel Code Section XI Relief Requests that apply to the Kewaunee Power Station Second 10-Year Inservice Inspection Class MC (ISI) Program 2006-2016.

Future Relief Request for the Kewaunee Power Station, if required, will be submitted to the Nuclear Regulatory Commission per the requirements of 10CFR50.55a (a)(3)(i).

SECTION 6.0

ISI PLAN

Section 6.0 is a summary of the Code requirements sorted by Code Item Number. This section defines the total number of components that exist at the Kewaunee Power Station per Code Item Number and defines how many have been selected for examination each period. Comments are also provided to clarify particular code requirements.

SELECTION AND SCHEDULING CRITERIA

The following outlines the basis used in selection of items to be examined and the scheduling of those items by period during Kewaunee's Second Inspection Interval.

1. Selection Criteria

   The methodology used for selecting Containment Surfaces, Pressure Retaining Welds, Containment Surfaces requiring Augmented Examination, Seals, Gaskets, Moisture Barriers, Pressure Retaining Dissimilar Metal Welds, Pressure Retaining Bolting and Pressure Retaining Components to be examined was based on one or more of the following factors:

   a. Inspection Program B

   b. Section XI specifies which Code Item requires 100% examination or less than 100% examination during the Second Inspection Interval.

   c. Section XI specifies the boundary for each Code Item that is to be examined i.e. Containment Surfaces from either the inside or outside surfaces, weld metal and base metal for 1/2" beyond the edge of the weld; structures that are parts of reinforcing structures, such as stiffening rings, manhole frames, and reinforcement around openings; seals and gaskets on airlocks and hatches; etc.

2. Scheduling Criteria

   Once the appropriate Containment Surfaces, Pressure Retaining Welds, Containment Surfaces requiring Augmented Examinations, Moisture Barriers, Pressure Retaining Dissimilar Metal Welds, Pressure Retaining Bolting or Pressure Retaining Components were selected for examination, they were scheduled for a particular period within the interval in accordance with one of the following:

SECTION 6.0

ISI PLAN

a. Deferral of inspection to the End Of Interval (EOI or Third Period). Items that may be deferred until the EOI have been identified in the ISI Schedule Tables. The Plant Staff has placed items that maybe deferred in the period that is most convenient in terms of resource planning and scheduling. However, the examinations may occur during any one of the periods prior to the EOI as preferred by the plant.

b. Nonpermissible Deferral: For those items, examinations were distributed in accordance with the minimum/maximum allowable percentage in a period as outlined by ASME Boiler and Pressure Vessel Code Section XI 2001 Edition 2003 Addenda Table IWE-2412-1.

Kewaunee Power Station Second Inservice Inspection Interval Inservice Inspection Plan									
ASME Item Number	Total	Code Requirement		Number Scheduled	% Scheduled	Total Scheduled for Inspection Period			Comments
		% Required	No. Required			Per 1	Per 2	Per 3	
E1.11	722	100 (Of Accessible)	589	589	100	589	589	589	General Visual Required.
E1.11	10	100 (As Accessible)	10	10	100	10	10	10	Per 10CFR 50.55a (b) (2) (ix) (G): A VT-3 Visual Examination shall be performed on Item No.E1.11 Pressure Retaining Bolted Connections in lieu of General Visual Examination. Per 10CFR 50.55a (b) (2) (ix) (H): Flaws or degradation identified during the performance of a VT–3 examination must be examined in accordance with the VT–1 examination method. The criteria in the material specification or IWB–3517.1 must be used to evaluate containment bolting flaws or degradation.
E1.12	100%	100 (Of Accessible)	100% As Identified	100% As Identified	100% As Identified	100%	100%	100%	Per 10CFR 50.55a (b) (2) (ix) (G): A VT-3 Visual Examination shall be performed on Item No. E1.12 in lieu of General Visual Examination.
E1.20	0	0	0	0	0	0	0	0	None at Kewaunee Power Station

Kewaunee Power Station Second Inservice Inspection Interval Inservice Inspection Plan									
ASME Item Number	Total	Code Requirement		Number Scheduled	% Scheduled	Total Scheduled for Inspection Period			Comments
		% Required	No. Required			Per 1	Per 2	Per 3	
E1.30	23	100 (Of Accessible)	20	20	100	20	20	20	General Visual required.
E4.11	100%	100	100% of surface areas identified	100%	100	100%	100%	100%	Containment surface areas. Per 10CFR50.55a (b) (2) (ix) (G): VT-1 required of visible surfaces requiring augmented examinations. Required augmented examinations are those identified in IWE-1242.
E4.12	100%	100	100% of minimum wall thickness locations	100%	100	100%	100%	100%	Containment surface areas. Surface area grid, minimum wall thickness locations requiring augmented examinations are those established in accordance with IWE-2500(b)3 and IWE-2500(b)4.

SECTION 7.0

DISTRIBUTION

Distribution of Containment Surfaces, Pressure Retaining Welds, Containment Surfaces requiring Augmented Examinations, Moisture Barriers, Pressure Retaining Dissimilar Metal Welds, Pressure Retaining Bolting and Pressure Retaining Components subject to examination under ASME Boiler and Pressure Vessel Code Section XI 2001 Edition 2003 Addenda Table IWE-2500-1 shall be as referenced in Section 8.0 Schedule.

SECTION 8.0

SCHEDULE

The following provides an explanation of the ISI schedule sheet (see attached sample).

1. The examination category letter designation specified by ASME Boiler and Pressure Vessel Code Section XI 2001 Edition 2003 Addenda (E-A or E-C).

2. The written designation associated with the examination category.

3. The item number associated with a particular examination category.

4. The written description associated with the item number (i.e. listed under "Parts Examined" on the Code Examination Table IWE-2500-1).

5. The isometric number of the Containment Surface, Pressure Retaining Weld, Containment Surface requiring Augmented Examination, Moisture Barrier, Pressure Retaining Dissimilar Metal Weld, Pressure Retaining Bolting or Pressure Retaining Component being examined.

6. The equipment number of the Containment Surface, Pressure Retaining Weld, Containment Surface requiring Augmented Examination, Moisture Barrier, Pressure Retaining Dissimilar Metal Weld, Pressure Retaining Bolting or Pressure Retaining Component being examined.

7. This column allows for the placement of the characters 1, 2, 3, A or B for future intervals. The letter A will signify that the component was examined during the First Inspection Interval. The letter B will signify that the component was examined during the Second Interval.

SECTION 8.0

SCHEDULE

8. Examinations are scheduled by means of an "X" in the appropriate period (3 1/3 years or 1/3 of interval) column for which the examination is scheduled to be performed. The End of Interval (EOI) columns are used to indicate whether or not ASME Boiler and Pressure Vessel Code Section XI permits the examination to be deferred until the end of the interval: a "P " means permissible, a "PD" indicates partial deferral is allowed, and a "N" means the examination may not be deferred. Items identified with a "P" in the EOI column may be examined at any time during the interval and can be rescheduled as preferred by the plant without compromising Code requirements. Items scheduled for examination that are identified with a "N" in the EOI column must be performed during that 3 1/3 year period. The only exception is if they are exchanged one for one. All exchanges should be documented in the ISI Plan or ISI Refueling Outage Reports. The items that are not selected for examination are identified by a "N" in the schedule column.

9. The method by which the Containment Surface, Pressure Retaining Weld, Containment Surface requiring Augmented Examination, Moisture Barrier, Pressure Retaining Dissimilar Metal Weld, Pressure Retaining Bolting or Pressure Retaining Component is To be examined. If the method is to be volumetric (Vol.), Surface (Sur.), or Visual (Vis.), it will be denoted by an "X" in the respective column.

10. This column denotes the Relief Request, Code Case, or any other specific exemption where the Code required examination is not met. Refer to the Section 3.0 Exemptions, Section 4.0 Code Cases and Section 5.0 Relief Requests of this document for further discussion.

11. The comments and category notes sections are used when required to provide further clarification pertaining to the selection, scheduling, coverage required, and examination method of the Containment Surface, Pressure Retaining Weld, Containment Surface requiring Augmented Examination, Moisture Barrier, Pressure Retaining Dissimilar Metal Weld, Pressure Retaining Bolting or Pressure Retaining Component specified in the Plan. Coverage is 100% unless otherwise noted.

KEWAUNEE POWER STATION

SECOND INTERVAL ISI SCHEDULE

Examination Category (1) Description (2)

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
(3)	(4)	(5)	(6)	(7)	(8)					(9)			(10)	(11)

Category Notes:

KEWAUNEE POWER STATION

SECOND INTERVAL ISI SCHEDULE

Examination Category E-C Description CONTAINMENT SURFACES REQUIRING AUGMENTED EXAMINATION

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E4.10	Containment Surface Areas													
E4.11	Visible Surfaces	M-1727	As Identified			X	X	X	N			X		
E4.12	Surface Area Grid Minimum Wall Thickness Location	M-1727	As Identified			X	X	X	N	X				

Category Notes:

1. Containment surface areas requiring augmented examination are those identified in IWE-1240.

2. The extent of the examination shall be 100% for each inspection period until the areas examined remain essentially unchanged for the next inspection period. Such areas no longer require augmented examination in accordance with IWE-2420(c).

3. Per Nuclear Regulatory Commission 10CFR50.55a (b)(2) (ix) (G): A VT-1 Visual Examination shall be performed on Item No. E4.11 Visible Surfaces in lieu of Detailed Visual Examination.

KEWAUNEE POWER STATION

SECOND INTERVAL ISI SCHEDULE

Examination Category E-A Description CONTAINMENT SURFACES

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E1.10	Containment Vessel Pressure Retaining Boundary													
E1.11	Accessible Surface Area	M-1727	Plate 1 thru Plate 61						N			X		Inaccessible-Bottom Head
E1.11	Accessible Surface Area	M-1727	Plate 62	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 63	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 64	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 65	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 66	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 67	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 68	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 69	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 70	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 71	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 72	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 73	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 74	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 75	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 76	A		X	X	X	N			X		Note 1

KEWAUNEE POWER STATION

SECOND INTERVAL ISI SCHEDULE

Examination Category E-A Description CONTAINMENT SURFACES

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E1.11	Accessible Surface Area	M-1727	Plate 77	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 78	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 79	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 80	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 81	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 82	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 83	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 84	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 85	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 86	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 87	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 88	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 89	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 90	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 91	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 92	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 93	A		X	X	X	N			X		Note 1

KEWAUNEE POWER STATION

SECOND INTERVAL ISI SCHEDULE

Examination Category E-A Description CONTAINMENT SURFACES

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E1.11	Accessible Surface Area	M-1727	Plate 94	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 95	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 96	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 97	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 98	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 99	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 100	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 101	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 102	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 103	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 104	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 105	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 106	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 107	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 108	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 109	A		X	X	X	N			X		Note 1

KEWAUNEE POWER STATION

SECOND INTERVAL ISI SCHEDULE

Examination Category E-A Description CONTAINMENT SURFACES

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E1.11	Accessible Surface Area	M-1727	Plate 110	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 111	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 112	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 113	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 114	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 115	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 116	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 117	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 118	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 119	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 120	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 121	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 122	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 123	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 124	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 125	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 126	A		X	X	X	N			X		Note 1

KEWAUNEE POWER STATION

SECOND INTERVAL ISI SCHEDULE

Examination Category E-A Description CONTAINMENT SURFACES

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E1.11	Accessible Surface Area	M-1727	Plate 127	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 128	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 129	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 130	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 131	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 132	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 133	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 134	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 135	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 136	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 137	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 138	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 139	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 140	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 141	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 142	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 143	A		X	X	X	N			X		Note 1

KEWAUNEE POWER STATION

SECOND INTERVAL ISI SCHEDULE

Examination Category E-A Description CONTAINMENT SURFACES

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E1.11	Accessible Surface Area	M-1727	Plate 144	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 145	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 146	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 147	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 148	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 149	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 150	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 151	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 152	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 153	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 154	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 155	A*		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 156	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 157	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 158	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 159	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 160	A		X	X	X	N			X		Note 1

KEWAUNEE POWER STATION

SECOND INTERVAL ISI SCHEDULE

Examination Category E-A Description CONTAINMENT SURFACES

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E1.11	Accessible Surface Area	M-1727	Plate 161	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 162	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 163	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 164	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 165	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 166	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 167	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 168	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 169	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 170	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 171	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 172	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 173	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 174	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 175	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 176	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 177	A		X	X	X	N			X		Note 1

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SECOND INTERVAL ISI SCHEDULE

Examination Category E-A Description CONTAINMENT SURFACES

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E1.11	Accessible Surface Area	M-1727	Plate 178	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 179	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 180	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 181	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 182	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 183	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 184	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 185	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 186	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 187	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 188	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 189	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 190	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 191	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 192	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 193	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 194	A		X	X	X	N			X		Note 1

KEWAUNEE POWER STATION

SECOND INTERVAL ISI SCHEDULE

Examination Category E-A Description CONTAINMENT SURFACES

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E1.11	Accessible Surface Area	M-1727	Plate 195	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 196	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 197	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 198	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 199	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 200	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 201	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 202	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 203	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 204	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 205	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 206	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 207	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 208	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 209	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 210	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 211	A		X	X	X	N			X		Note 1

KEWAUNEE POWER STATION

SECOND INTERVAL ISI SCHEDULE

Examination Category E-A Description CONTAINMENT SURFACES

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E1.11	Accessible Surface Area	M-1727	Plate 212	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 213	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 214	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 215	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 216	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 217	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 218	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 219	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 220	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 221	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 222	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 223	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 224	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 225	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 226	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 227	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Plate 228	A		X	X	X	N			X		Note 1

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SECOND INTERVAL ISI SCHEDULE

Examination Category E-A Description CONTAINMENT SURFACES

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E1.11	Accessible Surface Area	M-1727	Plate 229	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Personnel Airlock	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Equipment Door	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Emergency Airlock	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 1	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 2	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 3	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 4	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 5	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 6E	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 6W	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 7E	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 7W	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 8N	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 8S	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 9	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 10	A		X	X	X	N			X		Note 1

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SECOND INTERVAL ISI SCHEDULE

Examination Category E-A Description CONTAINMENT SURFACES

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E1.11	Accessible Surface Area	M-1727	Penetration No. 11	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 12	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 13E	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 13N	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 14	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 15	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 16	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 17	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 18	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 19	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 20	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 21	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 22	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 23	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 24	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 25N	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 25S	A		X	X	X	N			X		Note 1

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SECOND INTERVAL ISI SCHEDULE

Examination Category E-A Description CONTAINMENT SURFACES

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E1.11	Accessible Surface Area	M-1727	Penetration No. 26	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 27E	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 27EN	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 27N	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 27NE	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 27NW	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 28E	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 28N	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 29E	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 29N	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 30E						N			X		Inaccessible-Bottom Head
E1.11	Accessible Surface Area	M-1727	Penetration No. 30W						N			X		Inaccessible-Bottom Head
E1.11	Accessible Surface Area	M-1727	Penetration No. 31	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 32E	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 32N	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 33E	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 33N	A		X	X	X	N			X		Note 1

KEWAUNEE POWER STATION

SECOND INTERVAL ISI SCHEDULE

Examination Category E-A Description CONTAINMENT SURFACES

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E1.11	Accessible Surface Area	M-1727	Penetration No. 35	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 36N	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 36NW	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 36S	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 36SE	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 36W	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 37EN	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 37ES	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 37NE	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 37NW	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 38EN	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 38ES	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 38NE	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 38NW	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 39	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 40	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 41E	A		X	X	X	N			X		Note 1

KEWAUNEE POWER STATION

SECOND INTERVAL ISI SCHEDULE

Examination Category E-A Description CONTAINMENT SURFACES

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E1.11	Accessible Surface Area	M-1727	Penetration No. 41ES	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 41S/S	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 42E	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 42EN	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 42N	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 42NE	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 42NW	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 42S	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 42W	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 43N	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 43S	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 43SE	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 44	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 45	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 46E	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 46W	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 48	A		X	X	X	N			X		Note 1

KEWAUNEE POWER STATION

SECOND INTERVAL ISI SCHEDULE

Examination Category E-A Description CONTAINMENT SURFACES

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E1.11	Accessible Surface Area	M-1727	Penetration No. 49E	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 49N	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. 50	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. A-1	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. A-2	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. A-3	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. A-4	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. A-5	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. A-6	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. A-7	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. A-8	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. A-9	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. A-10	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. A-11	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. A-12	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. B-1	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. B-2	A		X	X	X	N			X		Note 1

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SECOND INTERVAL ISI SCHEDULE

Examination Category E-A Description CONTAINMENT SURFACES

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E1.11	Accessible Surface Area	M-1727	Penetration No. B-3	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. B-4	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. B-5	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. B-6	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. B-7	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. B-8	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. B-9	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. B-10	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. B-11	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. B-12	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. C-1	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. C-2	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. C-3	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. C-4	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. C-5	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. C-6	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. C-7	A		X	X	X	N			X		Note 1

KEWAUNEE POWER STATION

SECOND INTERVAL ISI SCHEDULE

Examination Category E-A Description CONTAINMENT SURFACES

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E1.11	Accessible Surface Area	M-1727	Penetration No. C-8	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. C-9	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. C-10	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. C-11	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. C-12	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. D-1	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. D-2	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. D-3	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. D-4	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. D-5	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. D-6	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. D-7	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. D-8	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. D-9	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. D-10	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. D-11	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. D-12	A		X	X	X	N			X		Note 1

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SECOND INTERVAL ISI SCHEDULE

Examination Category E-A Description CONTAINMENT SURFACES

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E1.11	Accessible Surface Area	M-1727	Penetration No. E-1	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. E-2	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. E-3	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. E-4	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. E-5	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. E-6	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. E-7	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. E-8	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. E-9	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. E-10	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. E-11	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. E-12	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. F-1	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. F-2	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. F-3	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. F-4	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. F-5	A		X	X	X	N			X		Note 1

KEWAUNEE POWER STATION

SECOND INTERVAL ISI SCHEDULE

Examination Category E-A Description CONTAINMENT SURFACES

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E1.11	Accessible Surface Area	M-1727	Penetration No. F-6	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. F-7	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. F-8	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. F-9	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. F-10	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. F-11	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	Penetration No. F-12	A		X	X	X	N			X		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW1						N			N		Inaccessible – Concrete Ring
E1.11	Accessible Surface Area	M-1727	RBCV-LW2	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW3	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW4	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW5	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW6	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW7	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW8	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW9						N			N		Note 1: Refueling Transfer Canal
E1.11	Accessible Surface Area	M-1727	RBCV-LW10	A		X	X	X	N			N		Note 1

KEWAUNEE POWER STATION

SECOND INTERVAL ISI SCHEDULE

Examination Category E-A Description CONTAINMENT SURFACES

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E1.11	Accessible Surface Area	M-1727	RBCV-LW11	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW12	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW13	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW14	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW15	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW16	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW17	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW18	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW19	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW20	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW21	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW22	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW23	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW24	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW25	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW26	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW27	A		X	X	X	N			N		Note 1

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SECOND INTERVAL ISI SCHEDULE

Examination Category E-A Description CONTAINMENT SURFACES

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E1.11	Accessible Surface Area	M-1727	RBCV-LW28	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW29	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW30	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW31	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW32	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW33	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW34	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW35	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW36	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW37	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW38	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW39	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW40	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW41	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW42	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW43	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW44	A		X	X	X	N			N		Note 1

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SECOND INTERVAL ISI SCHEDULE

Examination Category E-A Description CONTAINMENT SURFACES

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E1.11	Accessible Surface Area	M-1727	RBCV-LW45	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW46	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW47	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW48	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW49	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW50	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW51			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW52			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW53			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW54			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW55			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW56			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW57			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW58	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW59			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW60			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW61			X	X	X	N			N		Note 1

KEWAUNEE POWER STATION

SECOND INTERVAL ISI SCHEDULE

Examination Category E-A Description CONTAINMENT SURFACES

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E1.11	Accessible Surface Area	M-1727	RBCV-LW62			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW63			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW64			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW65			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW66			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW67			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW68			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW69			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW70			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW71			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW72			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW73			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW74			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW75			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW76			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW77			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW78			X	X	X	N			N		Note 1

KEWAUNEE POWER STATION

SECOND INTERVAL ISI SCHEDULE

Examination Category E-A Description CONTAINMENT SURFACES

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E1.11	Accessible Surface Area	M-1727	RBCV-LW79			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW80			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW81			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW82			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW83			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW84			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW85			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW86			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW87			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW88			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW89			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW90			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW91			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW92			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW93			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW94			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW95			X	X	X	N			N		Note 1

KEWAUNEE POWER STATION

SECOND INTERVAL ISI SCHEDULE

Examination Category E-A Description CONTAINMENT SURFACES

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E1.11	Accessible Surface Area	M-1727	RBCV-LW96			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW97			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW98			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW99			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW100			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW101			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW102			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW103			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW104			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW105			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW106			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-LW107			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW1 thru RBCV-MW64						N			N		Inaccessible – Bottom Head
E1.11	Accessible Surface Area	M-1727	RBCV-MW65			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW66			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW67			X	X	X	N			N		Note 1

KEWAUNEE POWER STATION

SECOND INTERVAL ISI SCHEDULE

Examination Category E-A Description CONTAINMENT SURFACES

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E1.11	Accessible Surface Area	M-1727	RBCV-MW68			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW69			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW70			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW71			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW72			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW73			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW74			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW75			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW76			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW77			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW78			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW79			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW80			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW81			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW82			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW83			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW84			X	X	X	N			N		Note 1

KEWAUNEE POWER STATION

SECOND INTERVAL ISI SCHEDULE

Examination Category E-A *Description* CONTAINMENT SURFACES

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E1.11	Accessible Surface Area	M-1727	RBCV-MW85			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW86			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW87			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW88			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW89			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW90			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW91			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW92			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW93			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW94			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW95			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW96			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW97			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW98			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW99			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW100			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW101			X	X	X	N			N		Note 1

KEWAUNEE POWER STATION

SECOND INTERVAL ISI SCHEDULE

Examination Category E-A Description CONTAINMENT SURFACES

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E1.11	Accessible Surface Area	M-1727	RBCV-MW102			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW103			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW104			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW105			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW106			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW107			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW108			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW109			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW110			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW111			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW112			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW113			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW114			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW115			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW116			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW117			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW118			X	X	X	N			N		Note 1

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SECOND INTERVAL ISI SCHEDULE

Examination Category E-A Description CONTAINMENT SURFACES

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E1.11	Accessible Surface Area	M-1727	RBCV-MW119			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW120			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW121			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW122			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW123			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW124			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW125			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW126			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW127			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-MW128			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-PLW1						N			N		Inaccessible- Bottom Head
E1.11	Accessible Surface Area	M-1727	RBCV-PLW2	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-PLW3	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-PLW4	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-PLW5	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-PLW6	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-PLW7	A		X	X	X	N			N		Note 1

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SECOND INTERVAL ISI SCHEDULE

Examination Category E-A Description CONTAINMENT SURFACES

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E1.11	Accessible Surface Area	M-1727	RBCV-PLW8	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-PLW9	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-PLW10	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-PLW11	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-PLW12	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-PLW13	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-PLW14	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-PLW15	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-PLW16	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-PLW17	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-PLW18	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-PLW19	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-PLW20	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-PLW21	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-PLW22			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-PLW23			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-PLW24			X	X	X	N			N		Note 1

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SECOND INTERVAL ISI SCHEDULE

Examination Category E-A Description CONTAINMENT SURFACES

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E1.11	Accessible Surface Area	M-1727	RBCV-CW1						N			N		Inaccessible-Bottom Head
E1.11	Accessible Surface Area	M-1727	RBCV-CW2						N			N		Inaccessible-Bottom Head
E1.11	Accessible Surface Area	M-1727	RBCV-CW3						N			N		Inaccessible-Bottom Head
E1.11	Accessible Surface Area	M-1727	RBCV-CW4	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-CW5	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-CW6	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-CW7	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-CW8	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-CW9	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-CW10			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-CW11			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-CW12			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-CW13			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-CW14			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-CW15			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-CW16			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-BW1	A		X	X	X	N			N		Note 1

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SECOND INTERVAL ISI SCHEDULE

Examination Category E-A Description CONTAINMENT SURFACES

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E1.11	Accessible Surface Area	M-1727	RBCV-BW2	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-BW3	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-BW4	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-BW5	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-BW6	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-BW7	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-BW8	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-BW9	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-BW10	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-DMW1	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-DMW2	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-DMW3	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-DMW4	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-DMW5	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-DMW6	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-DMW7	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-DMW8	A		X	X	X	N			N		Note 1

KEWAUNEE POWER STATION

SECOND INTERVAL ISI SCHEDULE

Examination Category E-A Description CONTAINMENT SURFACES

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E1.11	Accessible Surface Area	M-1727	RBCV-DMW9	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-DMW10	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-DMW11	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-DMW12	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-DMW13	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-DMW14	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-DMW15	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-DMW16	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-FLW1	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-FLW2	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-FLW3	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-FLW4	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-FLW5	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-FLW6	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	RBCV-FLW7	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	EA-W1			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	EA-W2			X	X	X	N			N		Note 1

KEWAUNEE POWER STATION

SECOND INTERVAL ISI SCHEDULE

Examination Category E-A Description CONTAINMENT SURFACES

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E1.11	Accessible Surface Area	M-1727	EA-W3			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	EA-W4			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	EA-W5	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	EA-W6	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	EA-W7			X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	ED-W1	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	ED-W2	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	ED-W3	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	ED-W4	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	ED-W5	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	ED-W6	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	ED-W7	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	ED-W8	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	ED-W9	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	ED-W10	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	ED-W11	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	ED-W12	A		X	X	X	N			N		Note 1

KEWAUNEE POWER STATION

SECOND INTERVAL ISI SCHEDULE

Examination Category E-A Description CONTAINMENT SURFACES

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E1.11	Accessible Surface Area	M-1727	ED-W13	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	ED-W14	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	ED-W15	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	PA-W1	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	PA-W2	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	PA-W3	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	PA-W4	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	PA-W5	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	PA-W6	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	PA-W7	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	PA-W8	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	PA-W9	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	PA-W10	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	PA-W11	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	PA-W12	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	PA-W13	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	PA-W14	A		X	X	X	N			N		Note 1

KEWAUNEE POWER STATION

SECOND INTERVAL ISI SCHEDULE

Examination Category E-A Description CONTAINMENT SURFACES

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E1.11	Accessible Surface Area	M-1727	PA-W15	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	PA-W16	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	PA-W17	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	PA-W18	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	PA-W19	A		X	X	X	N			N		Note 1
E1.11	Accessible Surface Area	M-1727	PA-W20	A		X	X	X	N			N		Note 1
E1.11	Bolted Connection Accessible Surface Area	M-1727	Personnel Airlock	A		X	X	X	N			N		Note 1 and Note 3
E1.11	Bolted Connection Accessible Surface Area	M-1727	Equipment Door	A		X	X	X	N			N		Note 1 and Note 3
E1.11	Bolted Connection Accessible Surface Area	M-1727	Emergency Airlock	A		X	X	X	N			N		Note 1 and Note 3
E1.11	Bolted Connection Accessible Surface Area	M-1727	Penetration No.18	A		X	X	X	N			N		Note 1 and Note 3
E1.11	Bolted Connection Accessible Surface Area	M-1727	Penetration No.41E	A		X	X	X	N			N		Note 1 and Note 3
E1.11	Bolted Connection Accessible Surface Area	M-1727	Penetration No.41S/S	A		X	X	X	N			N		Note 1 and Note 3
E1.11	Bolted Connection Accessible Surface Area	M-1727	Penetration No.42N	A		X	X	X	N			N		Note 1 and Note 3

KEWAUNEE POWER STATION

SECOND INTERVAL ISI SCHEDULE

Examination Category E-A Description CONTAINMENT SURFACES

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E1.11	Bolted Connection Accessible Surface Area	M-1727	Penetration No.43N	A		X	X	X	N			N		Note 1 and Note 3
E1.11	Bolted Connection Accessible Surface Area	M-1727	Penetration No.C-10	A		X	X	X	N			N		Note 1 and Note 3
E1.11	Bolted Connection Accessible Surface Area	M-1727	Penetration No.F-8	A		X	X	X	N			N		Note 1 and Note 3
E1.12	Wetted Surfaces of Submerged Areas	M-1727	As Applicable			X	X	X	N			X		Note 1 and Note 3
E1.30	Moisture Barriers	M-1727	RBCV-PLW2	A		X	X	X	N			X		Note 1 and Note 2
E1.30	Moisture Barriers	M-1727	RBCV-PLW5	A		X	X	X	N			X		Note 1 and Note 2
E1.30	Moisture Barriers	M-1727	RBCV-PLW10	A		X	X	X	N			X		Note 1 and Note 2
E1.30	Moisture Barriers	M-1727	RBCV-PLW14	A		X	X	X	N			X		Note 1 and Note 2
E1.30	Moisture Barriers	M-1727	RBCV-CW3						N			X		Inaccessible-Bottom Head
E1.30	Moisture Barriers	M-1727	RBCV-LW1						N			X		Inaccessible-Concrete Ring
E1.30	Moisture Barriers	M-1727	RBCV-LW2	A		X	X	X	N			X		Note 1 and Note 2
E1.30	Moisture Barriers	M-1727	RBCV-LW3	A		X	X	X	N			X		Note 1 and Note 2
E1.30	Moisture Barriers	M-1727	RBCV-LW4	A		X	X	X	N			X		Note 1 and Note 2
E1.30	Moisture Barriers	M-1727	RBCV-LW5	A		X	X	X	N			X		Note 1 and Note 2
E1.30	Moisture Barriers	M-1727	RBCV-LW6	A		X	X	X	N			X		Note 1 and Note 2

KEWAUNEE POWER STATION

SECOND INTERVAL ISI SCHEDULE

Examination Category E-A Description CONTAINMENT SURFACES

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E1.30	Moisture Barriers	M-1727	RBCV-LW7	A		X	X	X	N			X		Note 1 and Note 2
E1.30	Moisture Barriers	M-1727	RBCV-LW8	A		X	X	X	N			X		Note 1 and Note 2
E1.30	Moisture Barriers	M-1727	RBCV-LW9						N			X		Note 1: Inaccessible Refueling Transfer Canal
E1.30	Moisture Barriers	M-1727	Plate 62	A		X	X	X	N			X		Note 1 and Note 2
E1.30	Moisture Barriers	M-1727	Plate 63	A		X	X	X	N			X		Note 1 and Note 2
E1.30	Moisture Barriers	M-1727	Plate 64	A		X	X	X	N			X		Note 1 and Note 2
E1.30	Moisture Barriers	M-1727	Plate 65	A		X	X	X	N			X		Note 1 and Note 2
E1.30	Moisture Barriers	M-1727	Plate 66	A		X	X	X	N			X		Note 1 and Note 2
E1.30	Moisture Barriers	M-1727	Plate 67	A		X	X	X	N			X		Note 1 and Note 2
E1.30	Moisture Barriers	M-1727	Plate 68	A		X	X	X	N			X		Note 1 and Note 2
E1.30	Moisture Barriers	M-1727	Plate 69	A		X	X	X	N			X		Note 1 and Note 2
E1.30	Moisture Barriers	M-1727	Plate 70	A		X	X	X	N			X		Note 1 and Note 2

KEWAUNEE POWER STATION

SECOND INTERVAL ISI SCHEDULE

Examination Category E-A Description CONTAINMENT SURFACES

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		

Category Notes:

1. Examination shall include all accessible interior and exterior surfaces of the Class MC components, parts, appurtenances, and metallic shell and penetration liners of Class CC components. The following items shall be considered for examination:
   (a) Integral attachments and structures that are parts of reinforcing structure, such as stiffening rings, manhole frames, and reinforcement around openings.
   (b) Surfaces of attachment welds between structural attachments and the pressure retaining boundary or reinforcing structure, except for nonstructural or temporary attachments as defined in NE-4435 and minor permanent attachments as defined in CC-4543.4.
   (c) Surfaces of containment structural and pressure boundary welds, including longitudinal welds (Category A), circumferential welds (Category B), flange welds (Category C), and nozzle-to-shell welds (Category D) as defined in NE-3351 for Class MC and CC-3840 for Class CC; and surfaces of Flued Head and Bellows Seal Circumferential Welds joined to the Penetration.
   (d) Pressure-retaining bolted connections including bolts, studs, nuts, bushings, washers, and threads in base material and flange ligaments between fastener holes. Bolted connections need not be disassembled for performance of examinations, and bolting may remain in place under tension.
2. Examination shall include moisture barrier materials intended to prevent intrusion of moisture against inaccessible areas of the pressure retaining metal containment shell or liner at concrete-to-metal interfaces and at metal- to-metal interfaces which are not seal welded. Containment moisture barrier materials include caulking, flashing, and other sealants used for this application.
3. Per Nuclear Regulatory Commission 10CFR50.55a (b)(2) (ix) (G): A VT-3 Visual Examination shall be performed on Item No. E1.11 Pressure Retaining Bolted Connections in lieu of General Visual Examination and a VT-3 Visual Examination on Item No. E1.12 Wetted Surfaces of Submerged Areas in lieu of General Visual Examination. Per 10CFR 50.55a (b) (2) (ix) (H): Item No. E1.11 Pressure Retaining Bolted Connections: Flaws or degradation identified during the performance of a VT–3 examination must be examined in accordance with the VT–1 examination method. The criteria in the material specification or ASME Boiler and Pressure Vessel Code Section XI IWB–3517.1 must be used to evaluate containment bolting flaws or degradation.

KEWAUNEE POWER STATION

SECOND INTERVAL ISI SCHEDULE

Examination Category E-C Description CONTAINMENT SURFACES REQUIRING AUGMENTED EXAMINATION

Item No.	Parts Examined	ISI Drawing No.	Equipment No.	INT.	Examination Period					Examination Methods			Exemption, Code Case, or Relief Request	Comments
					Sch	1	2	3	EOI	Vol	Sur	Vis		
E4.10	Containment Surface Areas													
E4.11	Visible Surfaces	M-1727	As Identified			X	X	X	N			X		
E4.12	Surface Area Grid Minimum Wall Thickness Location	M-1727	As Identified			X	X	X	N	X				

Category Notes:

1. Containment surface areas requiring augmented examination are those identified in IWE-1240.
2. The extent of the examination shall be 100% for each inspection period until the areas examined remain essentially unchanged for the next inspection period. Such areas no longer require augmented examination in accordance with IWE-2420(c).
3. Per Nuclear Regulatory Commission 10CFR50.55a (b)(2) (ix) (G): A VT-1 Visual Examination shall be performed on Item No. E4.11 Visible Surfaces in lieu of Detailed Visual Examination.

SECTION 9.0

BIBLIOGRAPHY

1. ASME Boiler and Pressure Vessel Code Section XI 1992 Edition 1992 Addenda.

2. ASME Boiler and Pressure Vessel Code Section XI 2001 Edition 2003 Addenda

3. Code of Federal Regulations Title 10 Part 50.

4. Federal Register Volume 61 No.154 Thursday August 8, 1996 Rules and Regulations.

5. Kewaunee Power Station Technical Specification

6. Kewaunee Power Station Updated Safety Analysis Report (USAR).

7. Kewaunee Power Station Safety Related Drawings.

8. Kewaunee Power Station ISI Component Drawings.

9. Nuclear Regulatory Commission Regulatory Guide 1.147, Inservice Inspection Code Case Acceptability ASME Section XI Division 1.

10. Kewaunee Nuclear Power Plant First 10-Year Inservice Inspection Class MC (ISI) Program 1996-2006

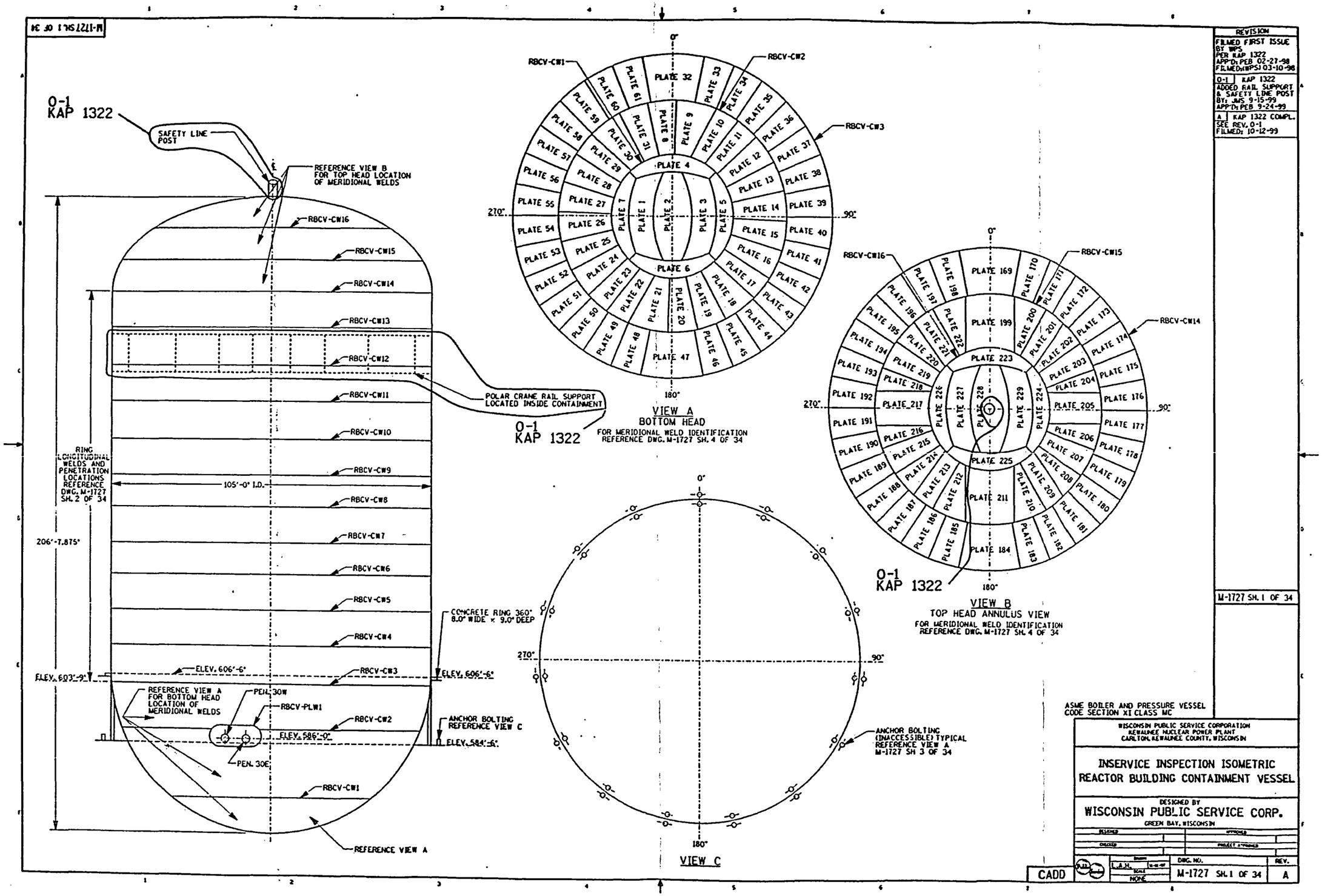
11. Kewaunee Nuclear Power Plant Fourth 10-Year Inservice Inspection (ISI) Program 2004-2014

APPENDIX A

ISI DRAWINGS

The ISI Drawings provide a source document for planning, scheduling, and administration of components subject to inspection under ASME Boiler and Pressure Vessel Code Section XI 2001 Edition 2003 Addenda Class MC Table IWE-2500-1. The information located on the ISI Component Drawings (M-1727 Sheets 1 through 34) for the Reactor Building Containment Vessel include:

a. Containment Surfaces
b. Pressure Retaining Welds
c. Seals
d. Gaskets
e. Moisture Barriers
f. Pressure Retaining Dissimilar Welds
g. Pressure Retaining Bolting
h. Component Accessibility
i. Component Insulated or Noninsulated
j. Condition of Surfaces (Painted or Non Painted)
k. Comments



REVISION
FILMED FIRST ISSUE BY WPS PER KAP 1322 APP'D: PEB 02-27-98 FILMED: WPS 03-10-98
0-1 KAP 1322 ADDED RAIL SUPPORT & SAFETY LINE POST BY: JWS 9-15-99 APP'D: PEB 9-24-99
A KAP 1322 COMPL. SEE REV. 0-1 FILMED: 10-12-99

M-1727 SH. 1 OF 34

ASME BOILER AND PRESSURE VESSEL CODE SECTION XI CLASS MC

WISCONSIN PUBLIC SERVICE CORPORATION
KEWAUNEE NUCLEAR POWER PLANT
CARLTON, KEWAUNEE COUNTY, WISCONSIN

INSERVICE INSPECTION ISOMETRIC
REACTOR BUILDING CONTAINMENT VESSEL

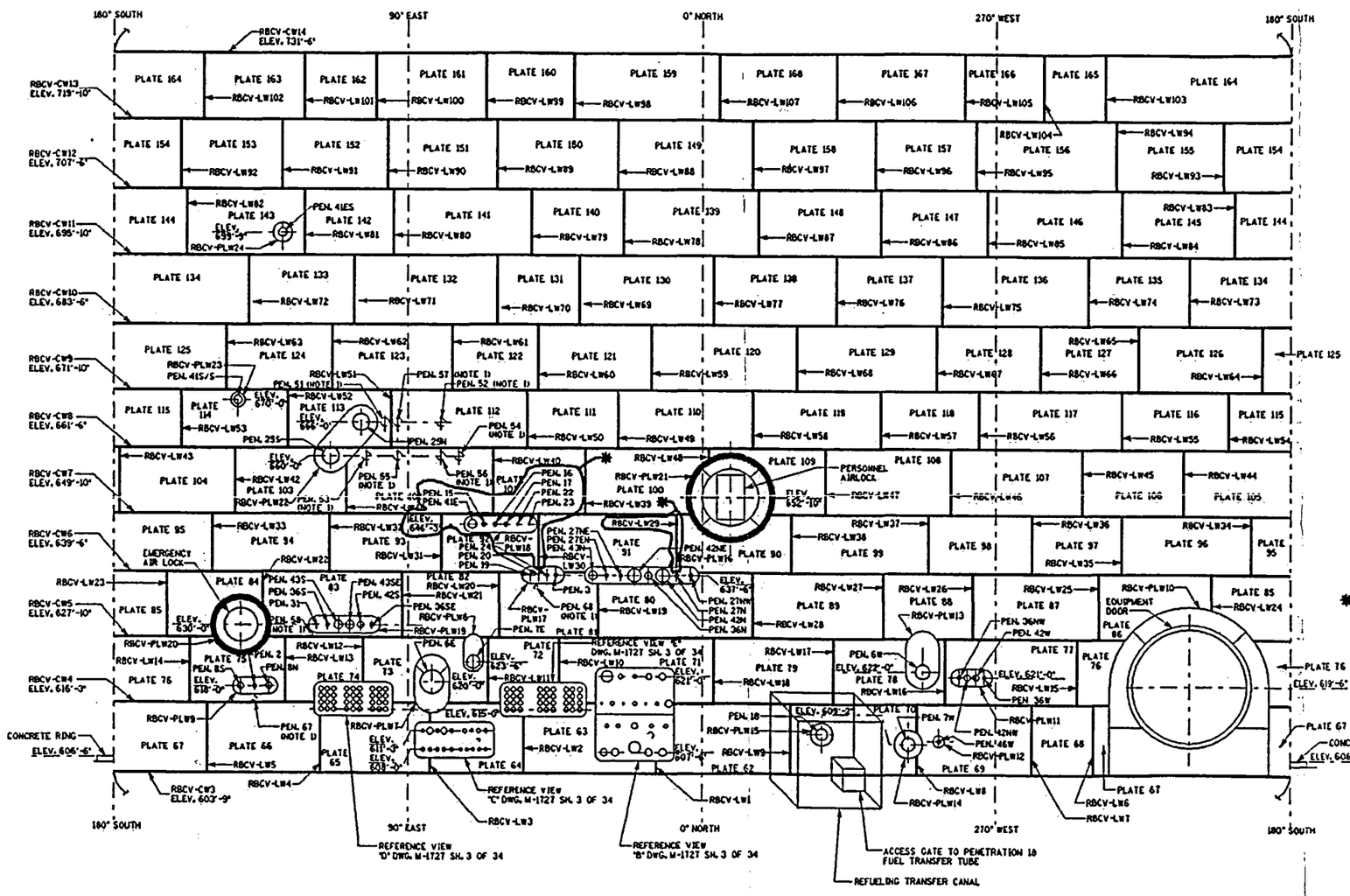
DESIGNED BY
WISCONSIN PUBLIC SERVICE CORP.
GREEN BAY, WISCONSIN

DESIGNED		APPROVED	
CHECKED		PROJECT APPROVED	
DRAWN L.A.H. 11-12-97	SCALE NONE	DWG. NO. M-1727 SH. 1 OF 34	REV. A

CADD

M-1727 SH. 2 OF 34

REACTOR BUILDING CONTAINMENT VESSEL LAYOUT VIEW FROM ANNULUS



*A-1
KAP 97-001322

NOTES: 1. DOTTED PENETRATIONS ARE FOR REFERENCE ONLY. PENETRATIONS AT THESE LOCATIONS PENETRATE THE CONTAINMENT SHIELD BUILDING ONLY AND NOT THE REACTOR BUILDING CONTAINMENT VESSEL.

REVISION
FILMED FIRST ISSUE BY WPS PER KAP 1322 APP'D: PEB 02-27-98 FILMED(WPS) 03-10-98
0-1 KAP 1322 REVISED PLATE 85 WAS RBCB-LW24 BY: JMS 9-15-99 APP'D: PEB 9-24-99
A KAP 1322 COMPL. SEE REV. 0-1 FILMED: 10-12-99
A-1 KAP 97-001322 REVISED PLATES 91 AND 92. BY: 11-14-01 APP'D: PEB 11-15-01
B KAP 97-001322 SEE REV. A COMPL. FILMED:(WPS) 11-20-01

M-1727 SH. 2 OF 34

ASME BOILER AND PRESSURE VESSEL CODE SECTION XI CLASS MC

WISCONSIN PUBLIC SERVICE CORPORATION
KEWAUNEE NUCLEAR POWER PLANT
CARLTON, KEWAUNEE COUNTY, WISCONSIN

INSERVICE INSPECTION ISOMETRIC REACTOR BUILDING CONTAINMENT VESSEL

DESIGNED BY
WISCONSIN PUBLIC SERVICE CORP.
GREEN BAY, WISCONSIN

DRAWN	L.A.H. 11-14-97	DWG. NO.	REV.
SCALE	NONE	M-1727 SH. 2 OF 34	B

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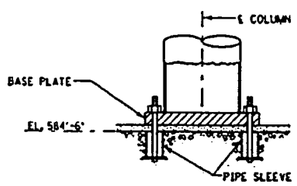
M-1727 SH. 3 OF 34



VIEW A
ANCHOR BOLTING
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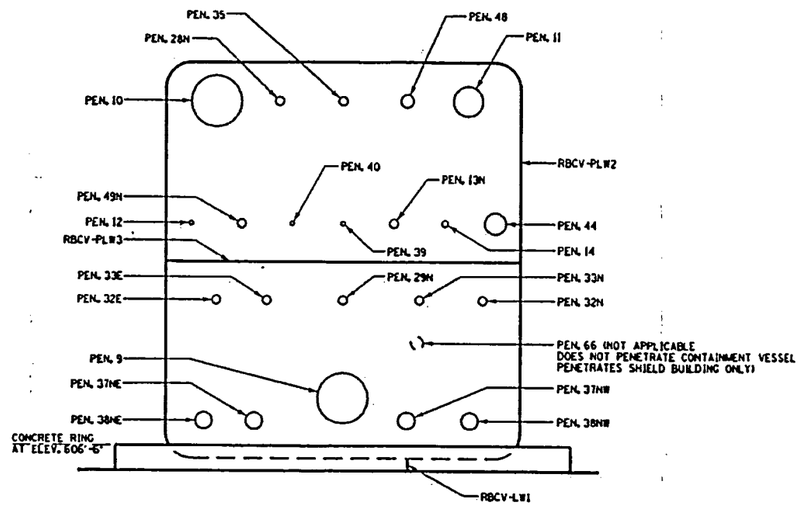
DWG. M-1727 SH. 1



VIEW B
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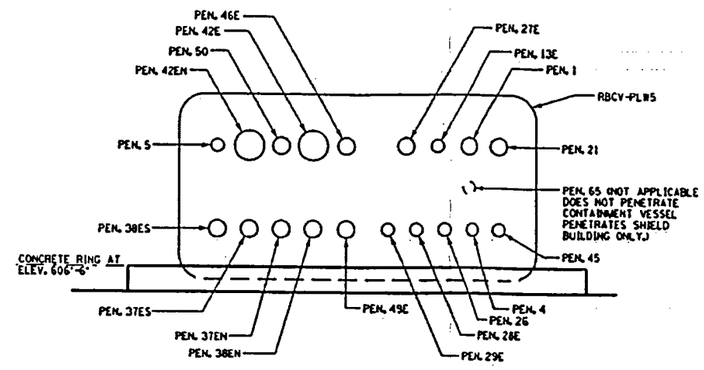
DWG. M-1727 SH. 2 OF 34



VIEW C
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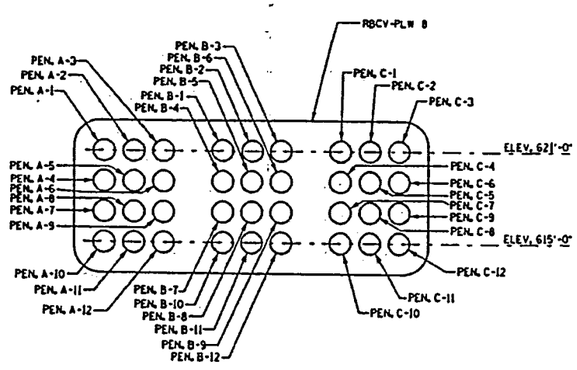
DWG. M-1727 SH. 2 OF 34



VIEW D
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ELECTRICAL PENETRATION
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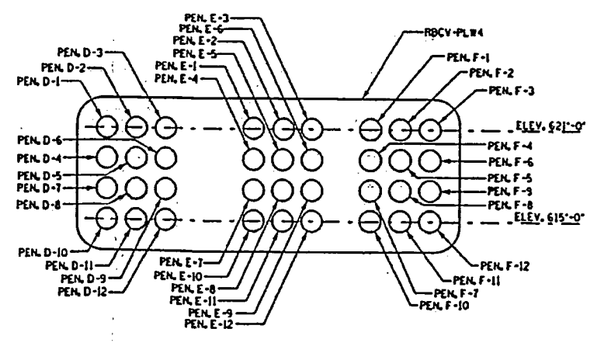
DWG. M-1727 SH. 2 OF 34



VIEW E
FROM ANNULUS
ELECTRICAL PENETRATION
REFERENCE VIEW "E"
DWG. M-1727 SH. 2 OF 34

NOTES:

REACTOR BUILDING CONTAINMENT VESSEL

1. MATERIAL: A516 GRADE 70 CARBON STEEL
   FBX TO A300
2. PLATE THICKNESS: TOP HEAD - 0.75"T
   BOTTOM HEAD - 1.5 "T
   SHELL - 1.5" T
3. DOTTED PENETRATIONS ARE FOR REFERENCE ONLY PENETRATIONS AT THESE LOCATIONS PENETRATE THE CONTAINMENT SHIELD BUILDING ONLY AND NOT THE REACTOR BUILDING CONTAINMENT VESSEL.
4. REFERENCE DRAWINGS: XK-106-1 THRU XK-106-46, 237127A; E-360, M-247, M-248, M-266, M-267, M-294, M-311, M-312, M-316, M-322, M-324, M-325, M-326, M-329, M-330, M-339, M-345, M-347, M-353, M-370, M-380, M-381, M-389, M-404, M-520, M-653, M-685, M-694, M-756, M-764 & S-220

ASME BOILER AND PRESSURE VESSEL CODE SECTION XI CLASS MC

REVISION
FILMED FIRST ISSUE BY WPS PER KAP 1322 APP'D: PEB 02-27-98 FILMED: WPS 03-10-98

M-1727 SH. 3 OF 34

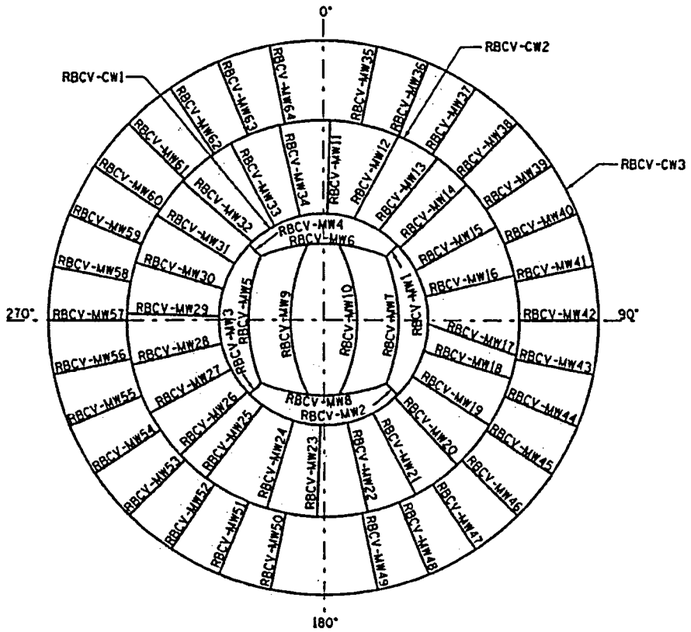
WISCONSIN PUBLIC SERVICE CORPORATION
KEWAUNEE NUCLEAR POWER PLANT
CARLTON, KEWAUNEE COUNTY, WISCONSIN

INSERVICE INSPECTION ISOMETRIC REACTOR BUILDING CONTAINMENT VESSEL

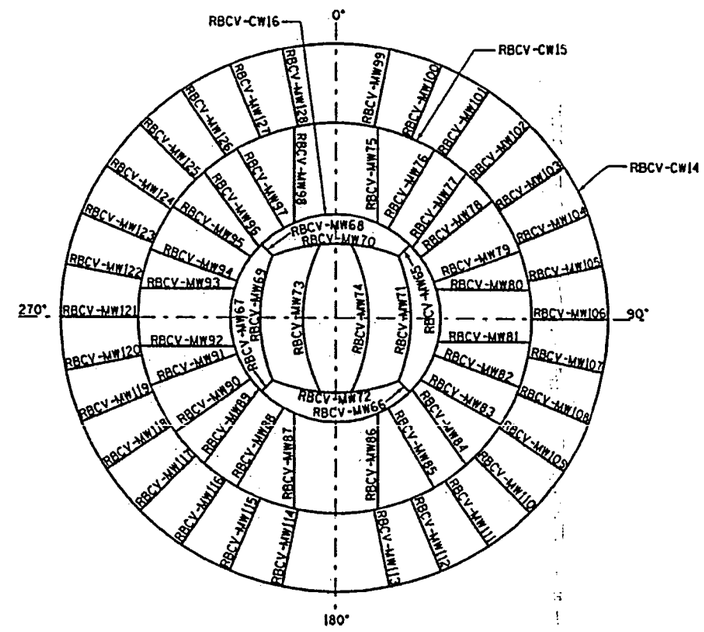
DESIGNED BY
WISCONSIN PUBLIC SERVICE CORP.
GREEN BAY, WISCONSIN

DESIGNED		APPROVED	
CHECKED		PROJECT APPROVED	
CADD	DRAWN L.A.H. 11-11-97	DWG. NO. M-1727 SH. 3 OF 34	REV. (-)
	SCALE NONE		

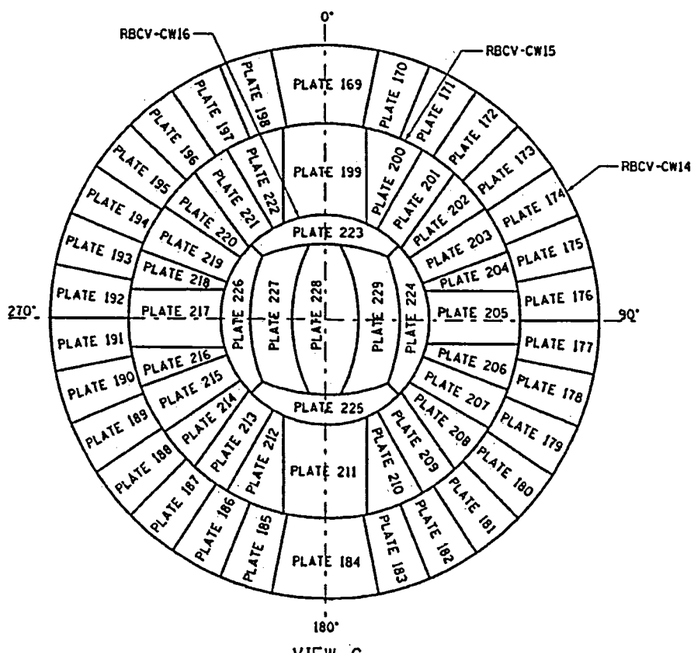
M-1727 SH. 4 OF 34



VIEW A
BOTTOM HEAD MERIDIONAL WELDS
FOR PLATE IDENTIFICATION
REFERENCE M-1727 SH. 1 OF 34



VIEW B
TOP HEAD MERIDIONAL WELDS
FOR PLATE IDENTIFICATION
REFERENCE DWG. M-1727 SH. 1 OF 34



VIEW C
TOP HEAD CONTAINMENT VIEW

REVISION
FILMED FIRST ISSUE BY WPS PER KAP 1322 APP'D: PEB 02-27-98 FILMED: (WPS) 03-10-98

M-1727 SH. 4 OF 34

ASME BOILER AND PRESSURE VESSEL CODE SECTION XI CLASS NC

WISCONSIN PUBLIC SERVICE CORPORATION
KEWAUNEE NUCLEAR POWER PLANT
CARLTON, KEWAUNEE COUNTY, WISCONSIN

INSERVICE INSPECTION ISOMETRIC
REACTOR BUILDING CONTAINMENT VESSEL

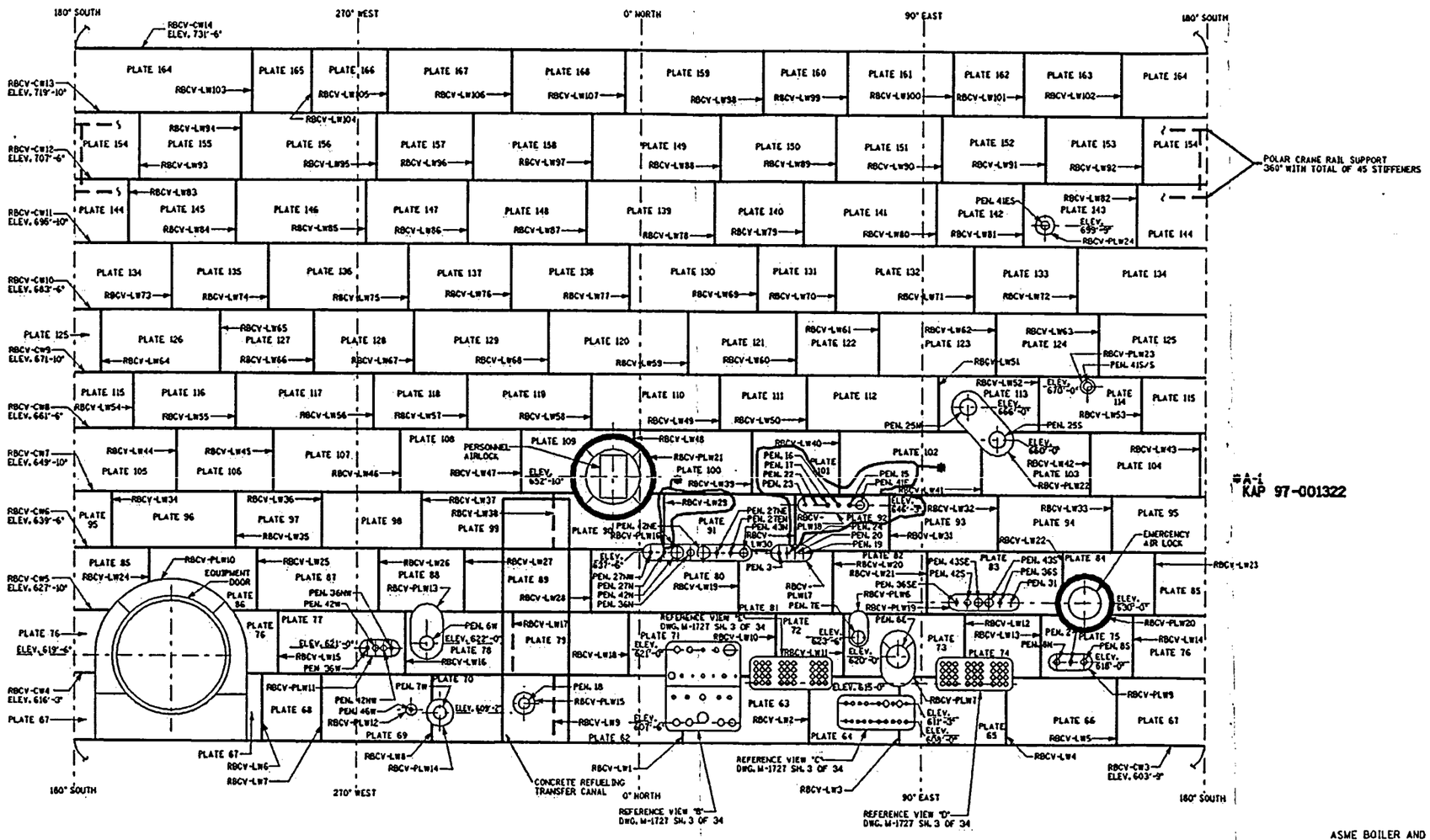
DESIGNED BY
WISCONSIN PUBLIC SERVICE CORP.
GREEN BAY, WISCONSIN

DRAWN		CHECKED	
CHECKED		PROJECT APPROVED	
DRAWN L.A.H. 11-11-97	SCALE NONE	DWG. NO. M-1727 SH. 4 OF 34	REV. (-)

CADD

M-1727 SH. 5 OF 34

REACTOR BUILDING CONTAINMENT VESSEL LAYOUT VIEW FROM CONTAINMENT



A-1 KAP 97-001322

REVISION
FILMED FIRST ISSUE BY WPS PER KAP 1322 APP'D: PEB 02-27-98 FILMED(WPS) 03-10-98
0-1 KAP 1322 REVISED PLATE 85 WAS RBCB-LW24 ADDED CONCRETE REFUELING TRANSFER CANAL & POLAR CRANE RAIL SUPPORT BY: JMS 9-24-99 APP'D: PEB 9-24-99
A KAP 1322 COMPL. SEE REV. 0-1 FILMED: 10-12-99
A-1 KAP 97-001322 REVISED PLATE 91 AND 92. BY: SMJ 11-14-01 APP'D: PEB 11-15-01
B KAP 97-001322 COMPL. SEE REV. A-1 FILMED: 11-20-01

M-1727 SH. 5 OF 34

ASME BOILER AND PRESSURE VESSEL CODE SECTION XI CLASS MC

WISCONSIN PUBLIC SERVICE CORPORATION
KEWAUNEE NUCLEAR POWER PLANT
CARLTON, KEWAUNEE COUNTY, WISCONSIN

INSERVICE INSPECTION ISOMETRIC REACTOR BUILDING CONTAINMENT VESSEL

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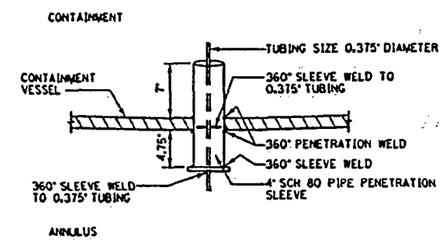
WISCONSIN PUBLIC SERVICE CORP.
GREEN BAY, WISCONSIN

DESIGNED	APPROVED
CHECKED	PROJECT APPROVED
DRAWN L.A.A. 11-9-97	DWG. NO. M-1727 SH. 5 OF 34
SCALE NONE	REV. B

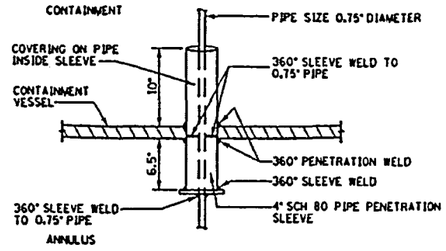
CADD

M-1727 SH. 6 OF 34



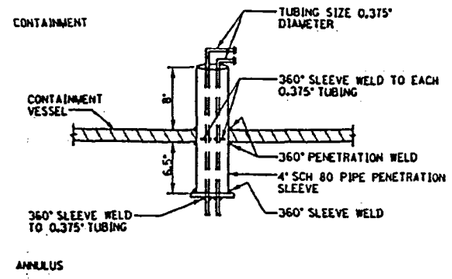
PENETRATION NO. 1
PRESSURIZER RELIEF TANK SAMPLE TO GAS ANALYZER

SCALE 1½" = 1'-0"



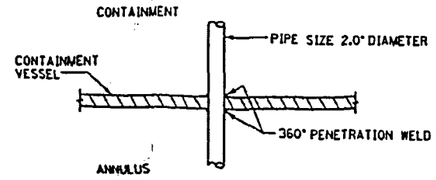
PENETRATION NO. 2
PRESSURIZER RELIEF TANK NITROGEN SUPPLY

SCALE 1½" = 1'-0"



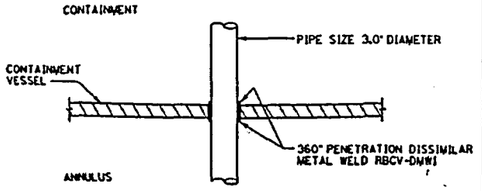
PENETRATION NO. 3
INSTRUMENTATION SENSING LINES

SCALE 1½" = 1'-0"



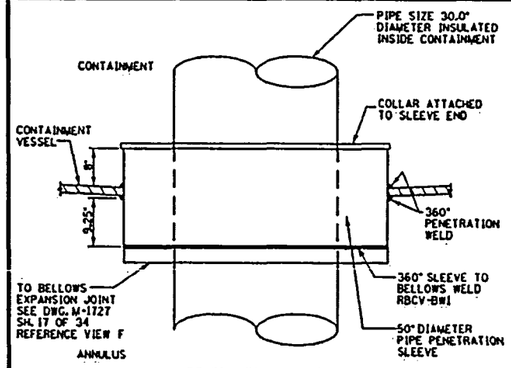
PENETRATION NO. 4
PRIMARY SYSTEM VENT HEADER

SCALE 1½" = 1'-0"



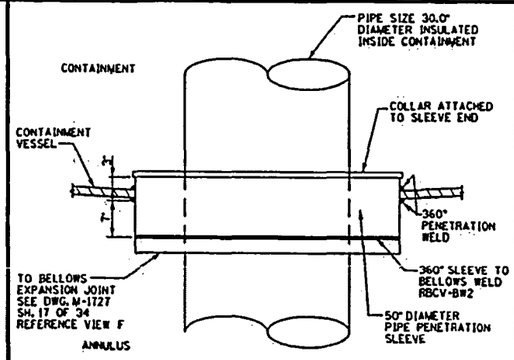
PENETRATION NO. 5
REACTOR COOLANT DRAIN TANK PUMP DISCHARGE

SCALE 1½" = 1'-0"



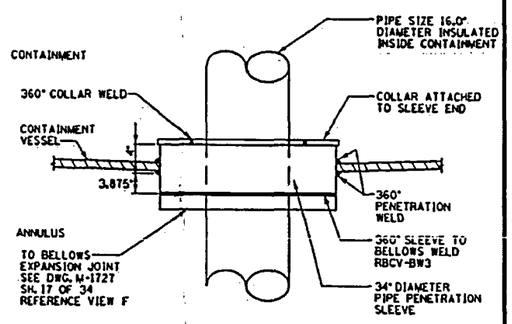
PENETRATION NO. 6E
MAINSTEAM FROM STEAM GENERATOR 1B

SCALE 1" = 1'-0"



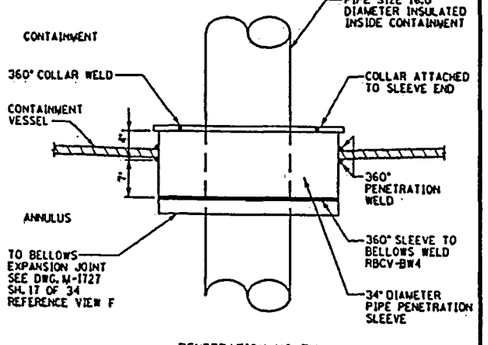
PENETRATION NO. 6W
MAINSTEAM FROM STEAM GENERATOR 1A

SCALE 1" = 1'-0"



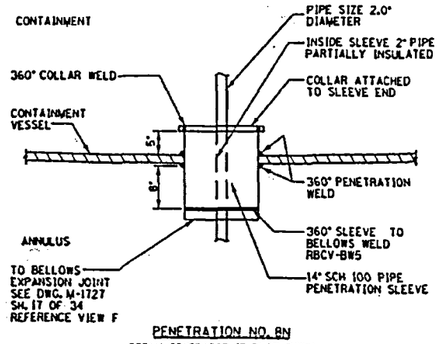
PENETRATION NO. 7E
FEEDWATER TO STEAM GENERATOR 1B

SCALE 1" = 1'-0"



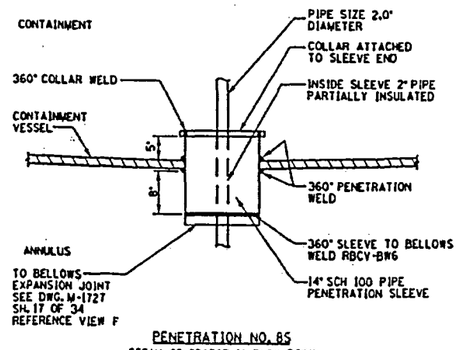
PENETRATION NO. 7W
FEEDWATER TO STEAM GENERATOR 1A

SCALE 1" = 1'-0"



PENETRATION NO. 8N
STEAM GENERATOR 1B BLOW DOWN

SCALE 1" = 1'-0"



PENETRATION NO. 8S
STEAM GENERATOR 1A BLOW DOWN

SCALE 1" = 1'-0"

ASME BOILER AND PRESSURE VESSEL CODE SECTION XI CLASS MC

REVISION
FILMED FIRST ISSUE BY WPS PER KAP 1322 APP'D: PEB 02-27-98 FILMED(WPS) 03-10-98

M-1727 SH. 6 OF 34

WISCONSIN PUBLIC SERVICE CORPORATION
KEWAUNEE NUCLEAR POWER PLANT
CARLTON, KEWAUNEE COUNTY, WISCONSIN

INSERVICE INSPECTION ISOMETRIC
REACTOR BUILDING CONTAINMENT VESSEL

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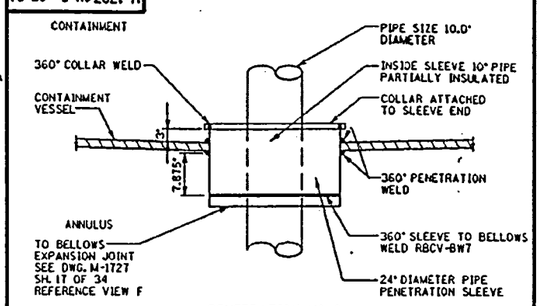
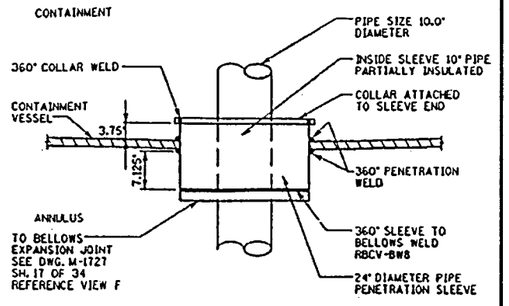
DESIGNED	APPROVED
CHECKED	PROJECT APPROVED
DRAWN L.A.H. 11-11-97	DWG. NO. M-1727 SH. 6 OF 34
SCALE NONE	REV. (-)

CADD

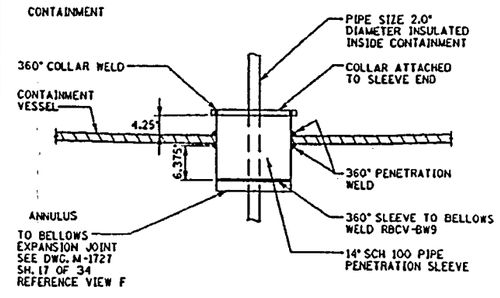
M-1727 SH. 7 OF 34



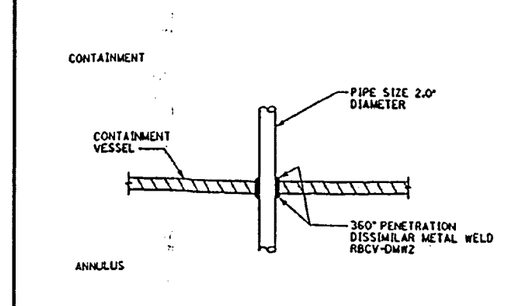
PENETRATION NO. 9
RESIDUAL HEAT REMOVAL - OUT
SCALE 1" = 1'-0"



PENETRATION NO. 10
RESIDUAL HEAT REMOVAL - IN
SCALE 1" = 1'-0"

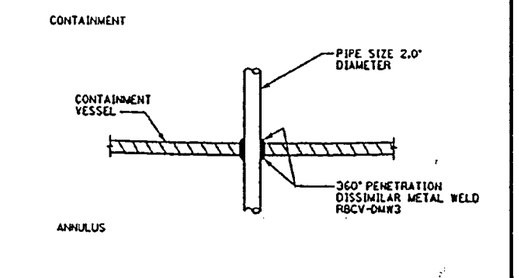


PENETRATION NO. 11
LETDOWN LINE
SCALE 1" = 1'-0"

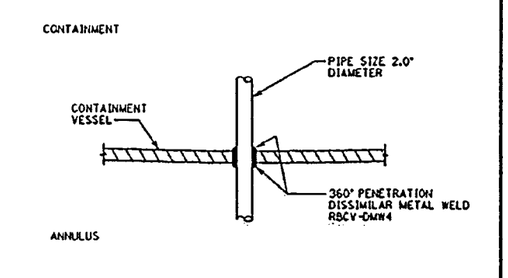


PENETRATION NO. 12
- CHARGING LINE
SCALE 1½" = 1'-0"

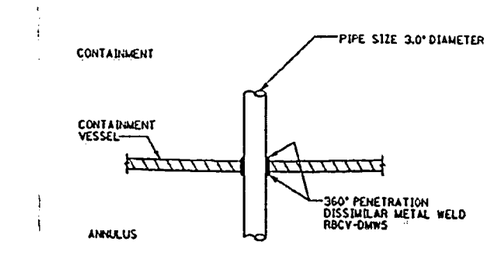
REVISION
FILMED FIRST ISSUE BY WPS PER KAP 1322 APP'D: PEB 02-27-98 FILMED(WPS) 03-10-98
0-1 KAP 1322 ADDED FLANGE COVER GASKETS BY: JMS 9-24-99 APP'D: PEB 9-24-99
A KAP 1322 COMPL. SEE REV 0-1 FILMED: 10-12-99



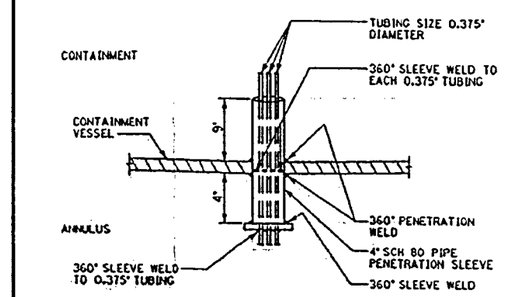
PENETRATION NO. 13E
REACTOR COOLANT PUMP 1B SEAL WATER SUPPLY
SCALE 1½" = 1'-0"



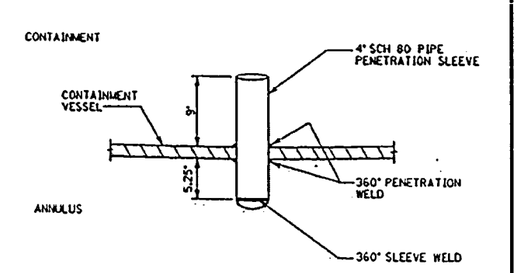
PENETRATION NO. 13N
REACTOR COOLANT PUMP 1A SEAL WATER SUPPLY
SCALE 1½" = 1'-0"



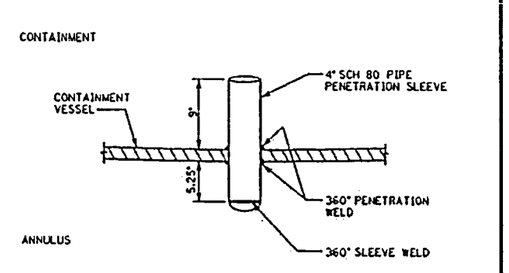
0-1
KAP 1322
PENETRATION NO. 14
REACTOR COOLANT PUMP 1A & 1B SEAL WATER RETURN
SCALE 1½" = 1'-0"



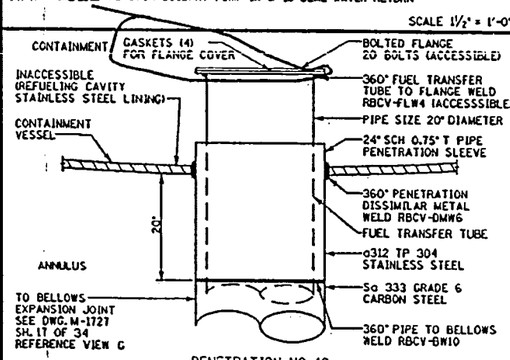
PENETRATION NO. 15
PRIMARY SAMPLING
SCALE 1½" = 1'-0"



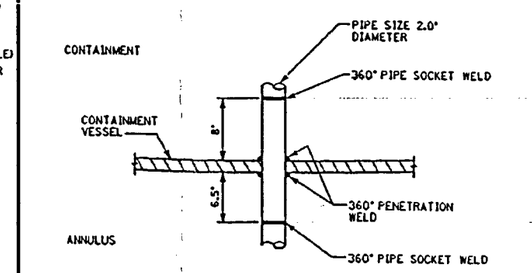
PENETRATION NO. 16
SPARE SEAL
SCALE 1½" = 1'-0"



PENETRATION NO. 17
PRIMARY SAMPLING (NOT IN USE)
SCALE 1½" = 1'-0"

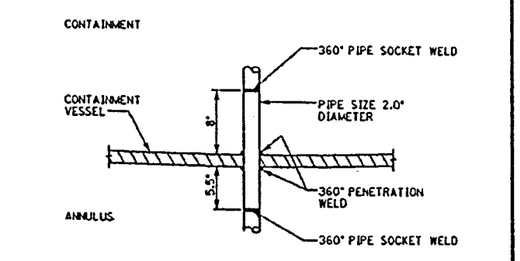


PENETRATION NO. 18
FUEL TRANSFER TUBE
SCALE 1" = 1'-0"

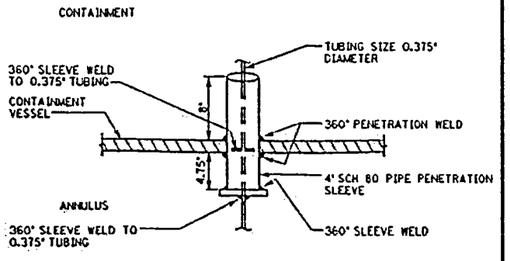


PENETRATION NO. 19
SERVICE AIR
SCALE 1½" = 1'-0"

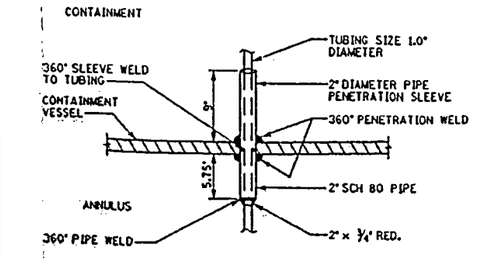
M-1727 SH. 7 OF 34



PENETRATION NO. 20
INSTRUMENT AIR
SCALE 1½" = 1'-0"



PENETRATION NO. 21
REACTOR COOLANT DRAIN TANK GAS ANALYZER
SCALE 1½" = 1'-0"



PENETRATION NO. 22
CONTAINMENT AIR SAMPLE IN
SCALE 1½" = 1'-0"

ASME BOILER AND PRESSURE VESSEL CODE SECTION XI CLASS MC

WISCONSIN PUBLIC SERVICE CORPORATION
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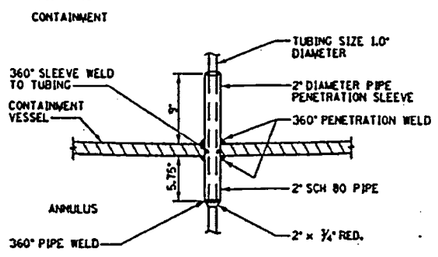
CARLTON, KEWAUNEE COUNTY, WISCONSIN

INSERVICE INSPECTION ISOMETRIC REACTOR BUILDING CONTAINMENT VESSEL

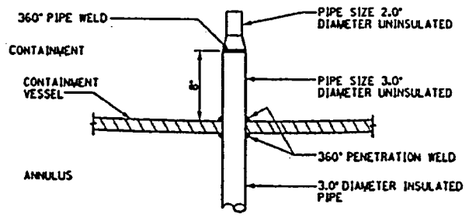
DESIGNED BY
WISCONSIN PUBLIC SERVICE CORP.
GREEN BAY, WISCONSIN

DRAWN	L.A.H.	10-11-97	DWG. NO.	REV.
SCALE	NONE		M-1727 SH. 7 OF 34	A

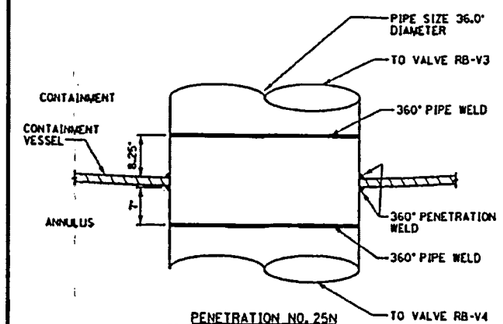
CADD



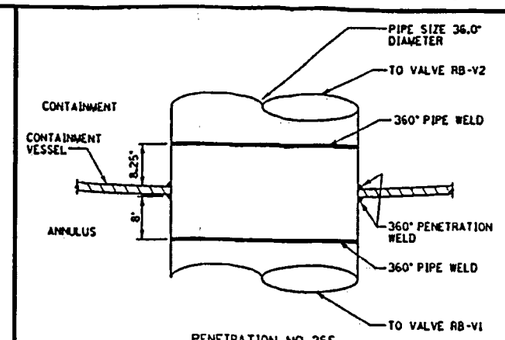
PENETRATION NO. 23
CONTAINMENT AIR SAMPLE OUT
SCALE 1½" = 1'-0"



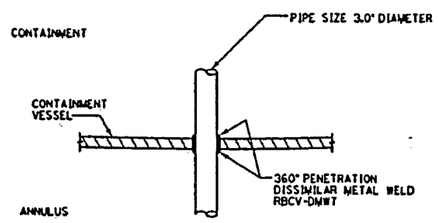
PENETRATION NO. 24
SERVICE WATER
SCALE 1½" = 1'-0"



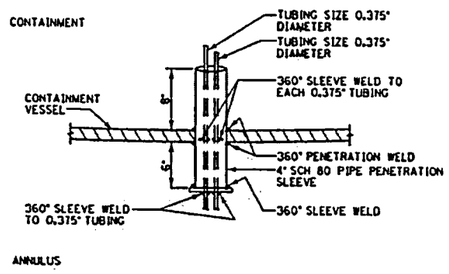
PENETRATION NO. 25N
CONTAINMENT PURGE EXHAUST DUCT
SCALE 1" = 1'-0"



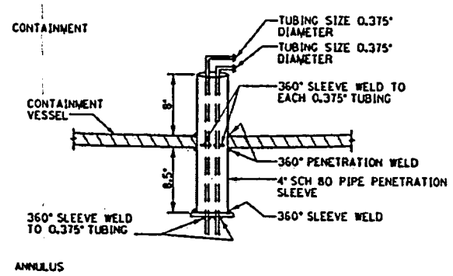
PENETRATION NO. 25S
CONTAINMENT VENT & PURGE SUPPLY DUCT
SCALE 1" = 1'-0"



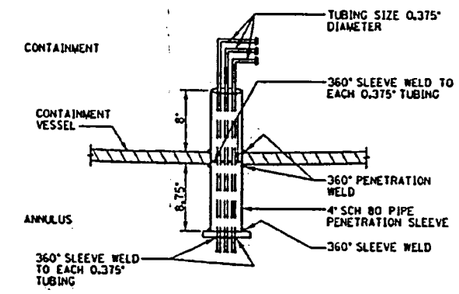
PENETRATION NO. 26
CONTAINMENT SUMP A DISCHARGE
SCALE 1½" = 1'-0"



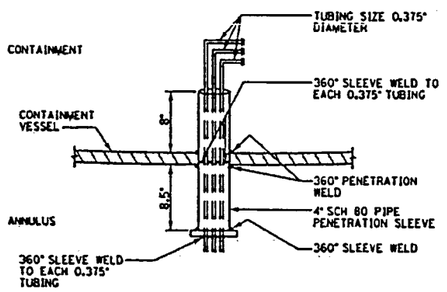
PENETRATION NO. 27E
STEAM GENERATORS BLOWDOWN SAMPLE
SCALE 1½" = 1'-0"



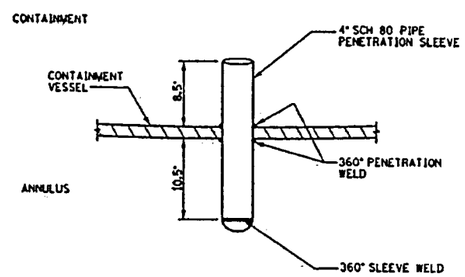
PENETRATION NO. 27EN
INSTRUMENTATION SENSING LINES
SCALE 1½" = 1'-0"



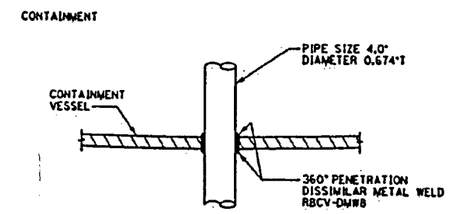
PENETRATION NO. 27N
INSTRUMENTATION SENSING LINES
SCALE 1½" = 1'-0"



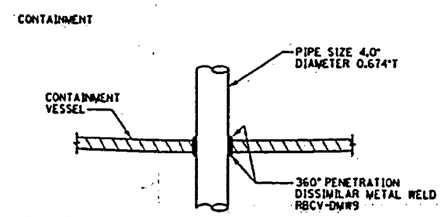
PENETRATION NO. 27NE
INSTRUMENTATION SENSING LINES
SCALE 1½" = 1'-0"



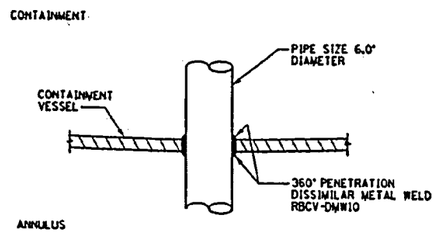
PENETRATION NO. 27NW
SPARE SEAL
SCALE 1½" = 1'-0"



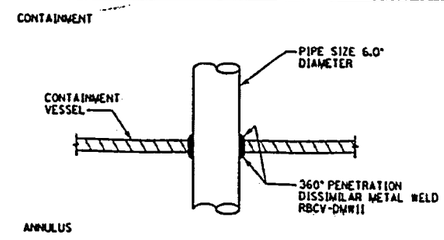
PENETRATION NO. 28E
REACTOR VESSEL SAFETY INJECTON
SCALE 1½" = 1'-0"



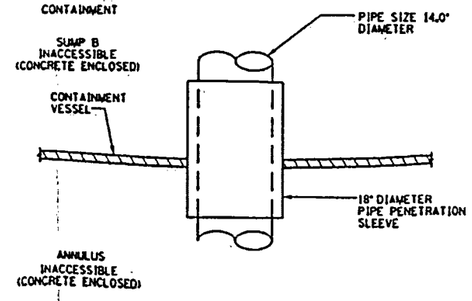
PENETRATION NO. 28N
COLD LEG SAFETY INJECTON
SCALE 1½" = 1'-0"



PENETRATION NO. 29E
INTERNAL CONTAINMENT SPRAY
SCALE 1½" = 1'-0"



PENETRATION NO. 29N
INTERNAL CONTAINMENT SPRAY
SCALE 1½" = 1'-0"



PENETRATION NO. 30E
CONTAINMENT SUMP B RECIRCULATION LINE
SCALE 1" = 1'-0"

ASME BOILER AND PRESSURE VESSEL CODE SECTION XI CLASS MC

REVISION
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M-1727 SH. 8 OF 34

WISCONSIN PUBLIC SERVICE CORPORATION
KEWAUNEE NUCLEAR POWER PLANT
CARLTON, KEWAUNEE COUNTY, WISCONSIN

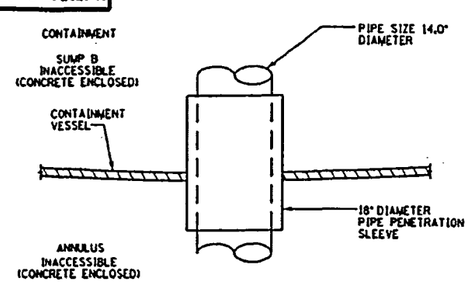
INSERVICE INSPECTION ISOMETRIC REACTOR BUILDING CONTAINMENT VESSEL

DESIGNED BY
WISCONSIN PUBLIC SERVICE CORP.
GREEN BAY, WISCONSIN

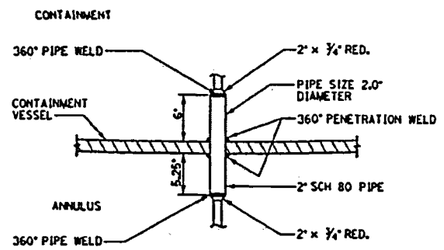
DESIGNED	DRAWN	CHECKED	PROJECT APPROVED

DRAWN	DRG. NO.	REV.
L.A.H. 11-11-97	M-1727 SH. 8 OF 34	(-)
SCALE NONE		

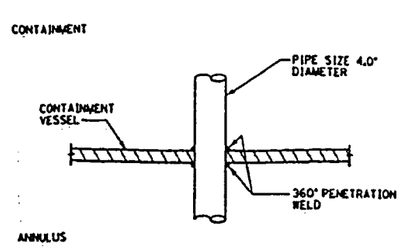
CADD



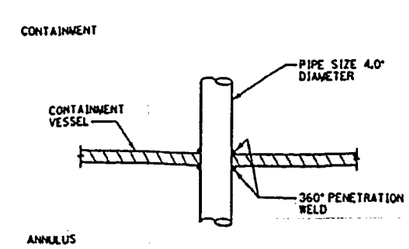
PENETRATION NO. 30W
CONTAINMENT SUMP B RECIRCULATION LINE
SCALE 1" = 1'-0"



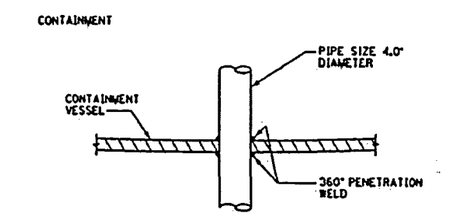
PENETRATION NO. 31
NITROGEN TO ACCUMULATORS
SCALE 1½" = 1'-0"



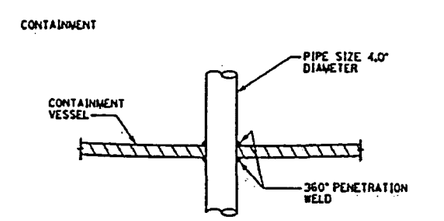
PENETRATION NO. 32E
COMPONENT COOLING WATER TO
REACTOR COOLANT PUMP 1B
SCALE 1½" = 1'-0"



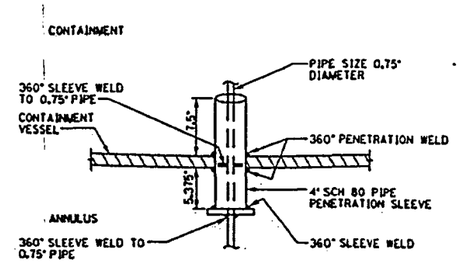
PENETRATION NO. 32N
COMPONENT COOLING WATER TO
REACTOR COOLANT PUMP 1A
SCALE 1½" = 1'-0"



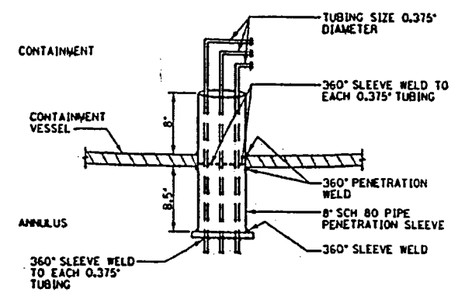
PENETRATION NO. 33E
COMPONENT COOLING WATER FROM
REACTOR COOLANT PUMP 1B
SCALE 1½" = 1'-0"



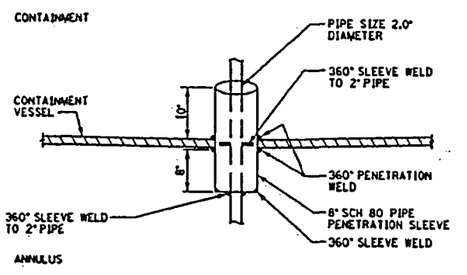
PENETRATION NO. 33N
COMPONENT COOLING WATER FROM
REACTOR COOLANT PUMP 1A
SCALE 1½" = 1'-0"



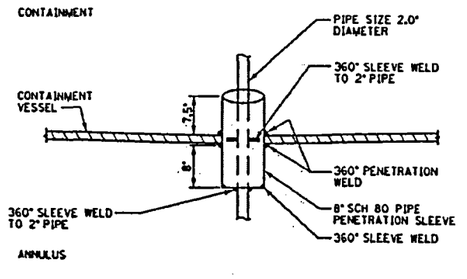
PENETRATION NO. 35
SAFETY INJECTION AND ACCUMULATOR TEST LINE
SCALE 1½" = 1'-0"



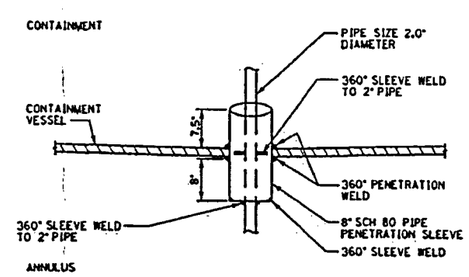
PENETRATION NO. 36N
INSTRUMENTATION SENSING LINES
SCALE 1½" = 1'-0"



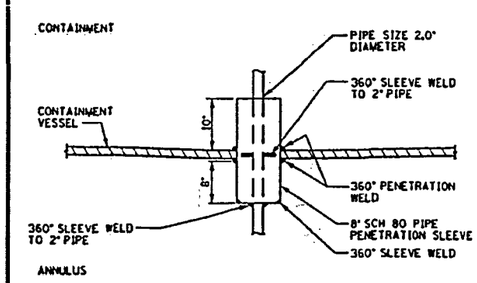
PENETRATION NO. 36NW
HYDROGEN CONTROL PRESSURIZATION
SCALE 1" = 1'-0"



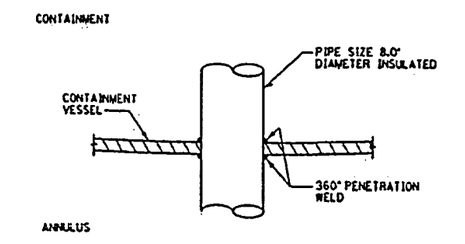
PENETRATION NO. 36S
HYDROGEN CONTROL SYSTEM SAMPLE LINE
SCALE 1" = 1'-0"



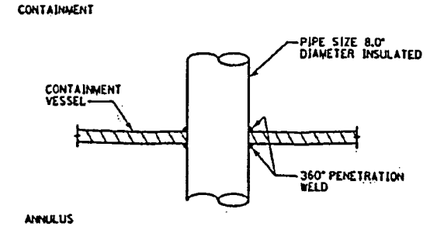
PENETRATION NO. 36SE
HYDROGEN CONTROL PRESSURIZATION
SCALE 1" = 1'-0"



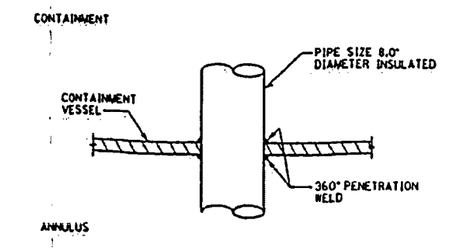
PENETRATION NO. 36W
HYDROGEN CONTROL SYSTEM SAMPLE LINE
SCALE 1" = 1'-0"



PENETRATION NO. 37EN
SERVICE WATER TO CONTAINMENT
FAN COIL UNIT 1D
SCALE 1½" = 1'-0"



PENETRATION NO. 37ES
SERVICE WATER TO CONTAINMENT
FAN COIL UNIT 1C
SCALE 1½" = 1'-0"



PENETRATION NO. 37NE
SERVICE WATER TO CONTAINMENT
FAN COIL UNIT 1B
SCALE 1½" = 1'-0"

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ASME BOILER AND PRESSURE VESSEL CODE
SECTION XI CLASS MC

WISCONSIN PUBLIC SERVICE CORPORATION
KEWAUNEE NUCLEAR POWER PLANT
CARLTON, KEWAUNEE COUNTY, WISCONSIN

INSERVICE INSPECTION ISOMETRIC REACTOR BUILDING CONTAINMENT VESSEL

DESIGNED BY
WISCONSIN PUBLIC SERVICE CORP.
GREEN BAY, WISCONSIN

DESIGNED		APPROVED	
CHECKED		PROJECT APPROVED	
CADD	DRAWN L.A.H. 11-14-97	DWG. NO. M-1727 SH. 9 OF 34	REV. (-)
	SCALE NONE		

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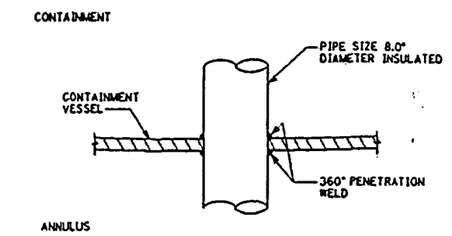
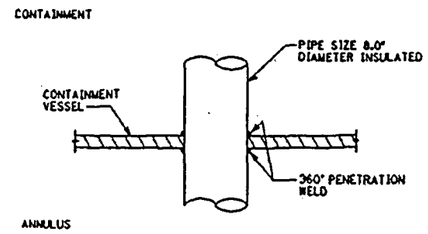
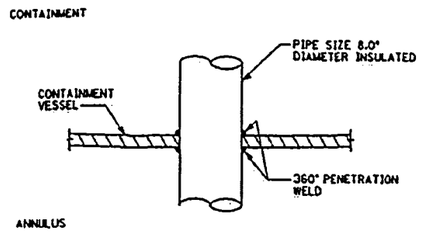


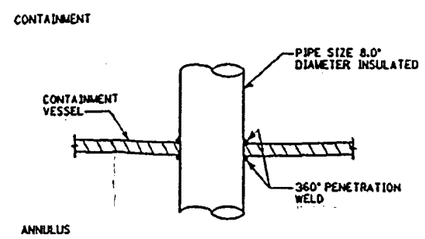
PENETRATION NO. 37NW
SERVICE WATER TO CONTAINMENT FAN COIL UNIT 1A
SCALE 1½" = 1'-0"



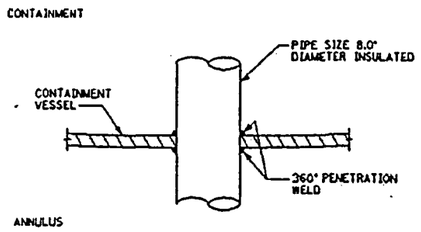
PENETRATION NO. 38EN
SERVICE WATER FROM CONTAINMENT FAN COIL UNIT 1D
SCALE 1½" = 1'-0"



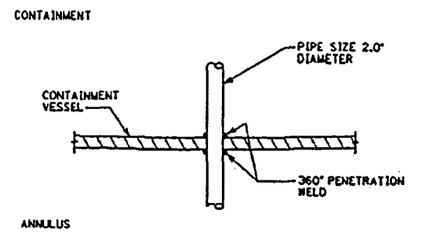
PENETRATION NO. 38ES
SERVICE WATER FROM CONTAINMENT FAN COIL UNIT 1C
SCALE 1½" = 1'-0"



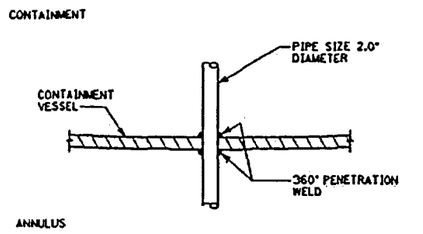
PENETRATION NO. 38NE
SERVICE WATER FROM CONTAINMENT FAN COIL UNIT 1B
SCALE 1½" = 1'-0"



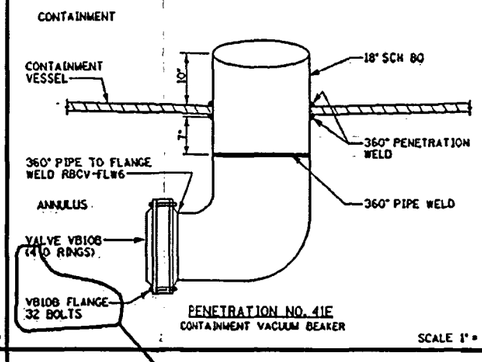
PENETRATION NO. 38NW
SERVICE WATER FROM CONTAINMENT FAN COIL UNIT 1A
SCALE 1½" = 1'-0"



PENETRATION NO. 39
COMPONENT COOLING WATER TO EXCESS LETDOWN HEAT EXCHANGER
SCALE 1½" = 1'-0"

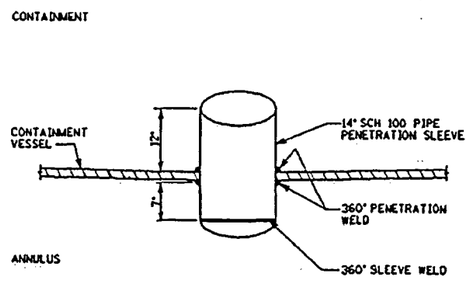


PENETRATION NO. 40
COMPONENT COOLING WATER FROM EXCESS LETDOWN HEAT EXCHANGER
SCALE 1½" = 1'-0"

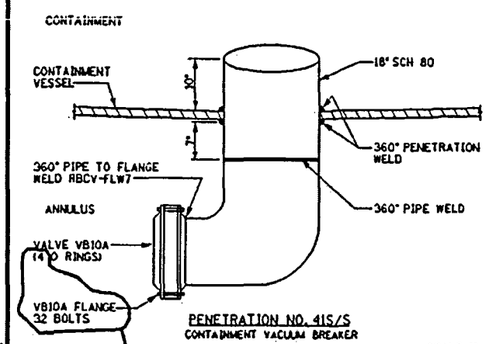


PENETRATION NO. 41E
CONTAINMENT VACUUM BREAKER
SCALE 1" = 1'-0"

0-1
KAP 97-001322

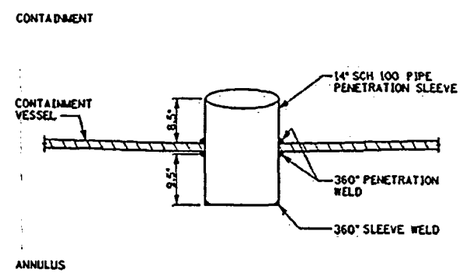


PENETRATION NO. 41ES
SPARE SEAL
SCALE 1" = 1'-0"

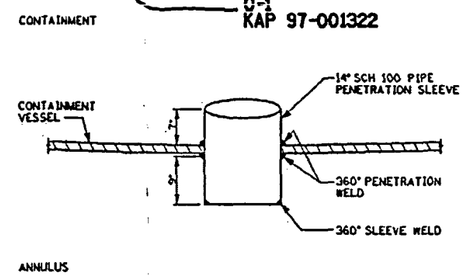


PENETRATION NO. 41S/S
CONTAINMENT VACUUM BREAKER
SCALE 1" = 1'-0"

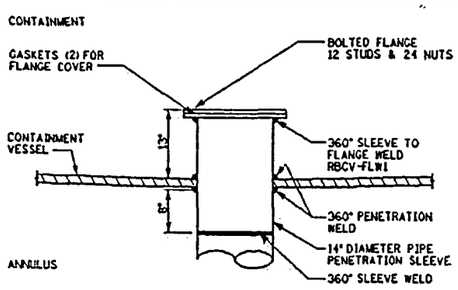
0-1
KAP 97-001322



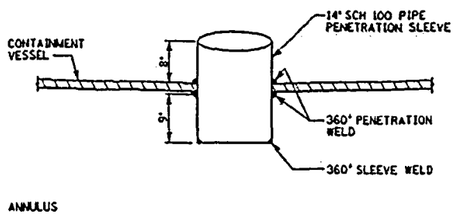
PENETRATION NO. 42E
SPARE SEAL
SCALE 1" = 1'-0"



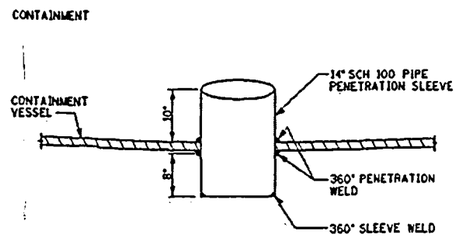
PENETRATION NO. 42EN
SPARE SEAL
SCALE 1" = 1'-0"



PENETRATION NO. 42N
CONTAINMENT VESSEL PRESSURIZATION TEST
SCALE 1" = 1'-0"



PENETRATION NO. 42NE
SPARE SEAL
SCALE 1" = 1'-0"



PENETRATION NO. 42NW
SPARE SEAL
SCALE 1" = 1'-0"

REVISION
FILMED FIRST ISSUE BY WPS PER KAP 1322 APP'D: PEB 02-27-98 FILMED(WPS) 03-10-98
0-1 KAP 97-001322 REVISED PENETRATION 41E & 41S/S BY: SMJ 11-14-01 APP'D: PEB 11-15-01
A KAP 97-001322 COMPL. SEE REV. 0-1. FILMED(WPS) 11-20-01

M-1727 SH. 10 OF 34

ASME BOILER AND PRESSURE VESSEL CODE SECTION XI CLASS MC

WISCONSIN PUBLIC SERVICE CORPORATION
KEWAUNEE NUCLEAR POWER PLANT
CARLTON, KEWAUNEE COUNTY, WISCONSIN

INSERVICE INSPECTION ISOMETRIC REACTOR BUILDING CONTAINMENT VESSEL

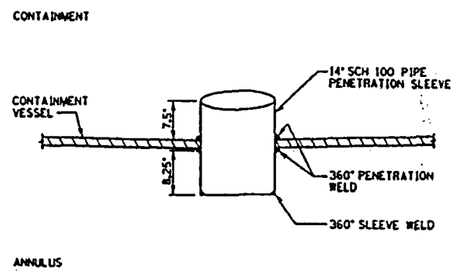
DESIGNED BY
WISCONSIN PUBLIC SERVICE CORP.
GREEN BAY, WISCONSIN

DRAWN	L.A.H.	11-21-97
SCALE	NONE	

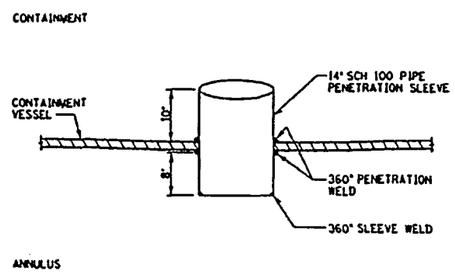
DWG. NO. M-1727 SH. 10 OF 34 REV. A

CADD

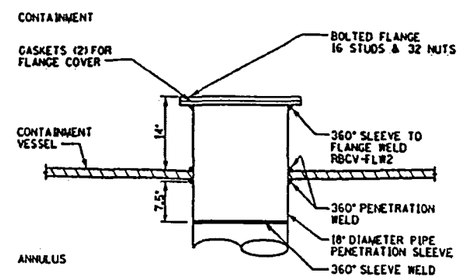
M-1727 SH. 11 OF 34



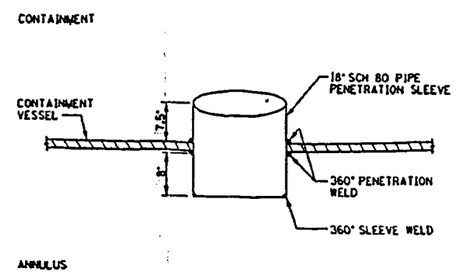
PENETRATION NO. 42S
SPARE SEAL
SCALE 1" = 1'-0"



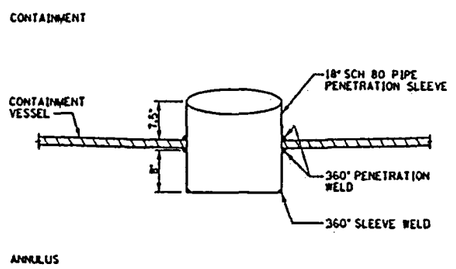
PENETRATION NO. 42W
SPARE SEAL
SCALE 1" = 1'-0"



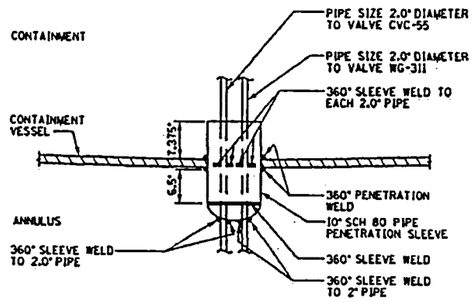
PENETRATION NO. 43N
REFUELING CABLE PENETRATION
SCALE 1" = 1'-0"



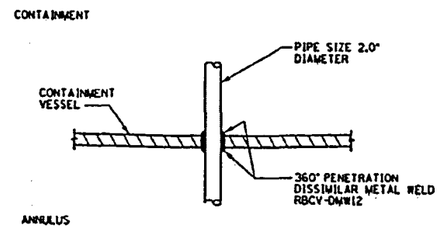
PENETRATION NO. 43S
SPARE SEAL
SCALE 1" = 1'-0"



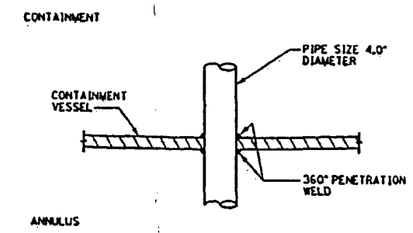
PENETRATION NO. 43SE
SPARE SEAL
SCALE 1" = 1'-0"



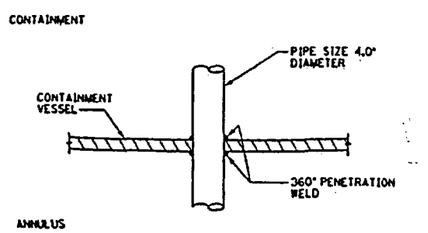
PENETRATION NO. 44
DEAERATED DRAIN TANK AND VOLUME CONTROL TANK VENTS
SCALE 1" = 1'-0"



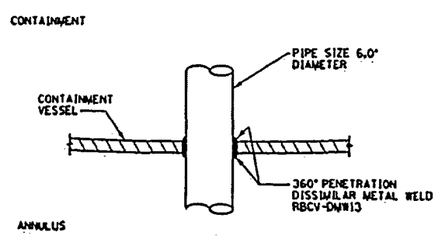
PENETRATION NO. 45
REACTOR MAKE-UP WATER TO PRESSURIZER RELIEF TANK
SCALE 1½" = 1'-0"



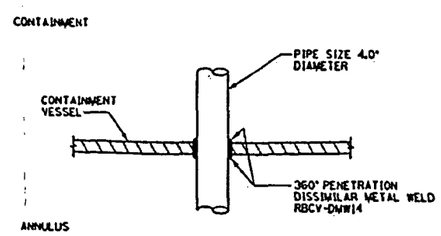
PENETRATION NO. 46E
AUXILIARY FEEDWATER - STEAM GENERATOR 1B
SCALE 1½" = 1'-0"



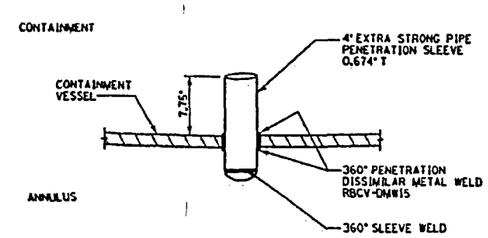
PENETRATION NO. 46W
AUXILIARY FEEDWATER - STEAM GENERATOR 1A
SCALE 1½" = 1'-0"



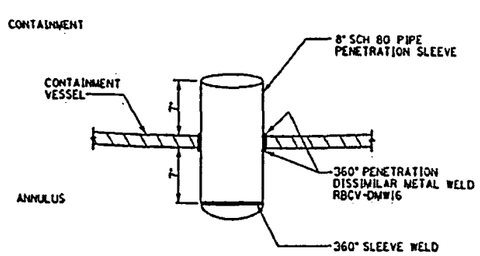
PENETRATION NO. 48
LOW HEAD SAFETY INJECTION TO REACTOR VESSEL
SCALE 1½" = 1'-0"



PENETRATION NO. 49E
DEAERATED DRAIN TANK EMERGENCY PUMPS DISCHARGE
SCALE 1½" = 1'-0"



PENETRATION NO. 49N
FOR INSTRUMENTATION (NOT IN USE)
SCALE 1½" = 1'-0"



PENETRATION NO. 50
FOR INSTRUMENTATION (NOT IN USE)
SCALE 1½" = 1'-0"

ASME BOILER AND PRESSURE VESSEL CODE SECTION XI CLASS MC

REVISION
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M-1727 SH. 11 OF 34

WISCONSIN PUBLIC SERVICE CORPORATION
KEWAUNEE NUCLEAR POWER PLANT
CARLTON, KEWAUNEE COUNTY, WISCONSIN

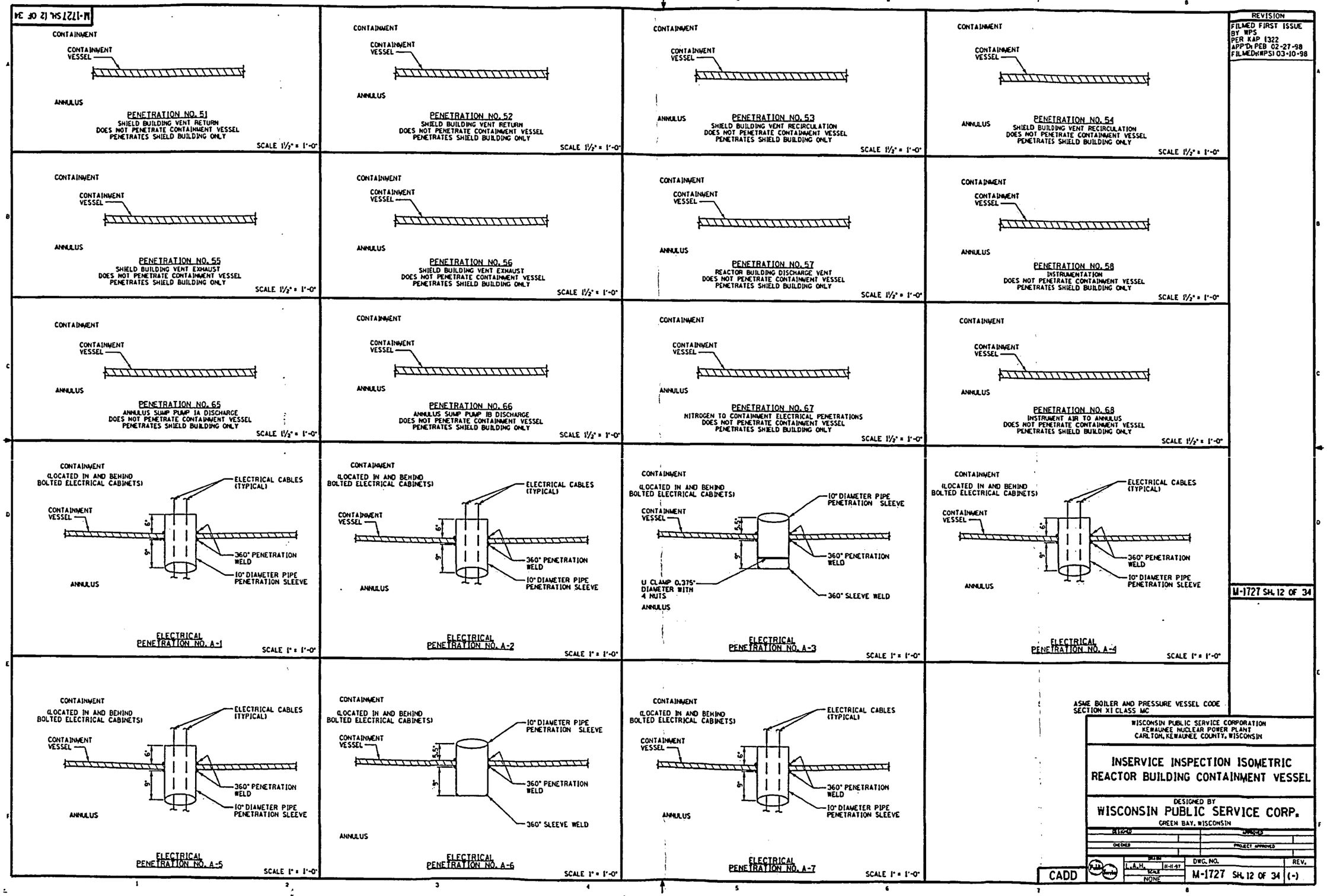
INSERVICE INSPECTION ISOMETRIC REACTOR BUILDING CONTAINMENT VESSEL

DESIGNED BY
WISCONSIN PUBLIC SERVICE CORP.
GREEN BAY, WISCONSIN

DRAWN	DRG. NO.	REV.
L.A.H. 11-11-97	M-1727 SH. 11 OF 34	(-)
SCALE NONE		

CADD

M-1727 SH. 12 OF 34



REVISION

FILMED FIRST ISSUE
BY WPS
PER KAP 1322
APP'D: PEB 02-27-98
FILMED(WPS) 03-10-98

M-1727 SH. 12 OF 34

ASME BOILER AND PRESSURE VESSEL CODE
SECTION XI CLASS MC

WISCONSIN PUBLIC SERVICE CORPORATION
KEWAUNEE NUCLEAR POWER PLANT
CARLTON, KEWAUNEE COUNTY, WISCONSIN

INSERVICE INSPECTION ISOMETRIC REACTOR BUILDING CONTAINMENT VESSEL

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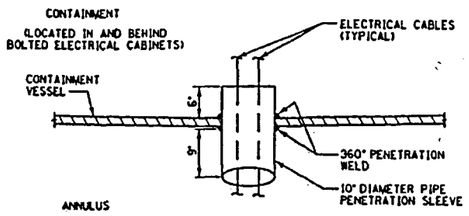
WISCONSIN PUBLIC SERVICE CORP.
GREEN BAY, WISCONSIN

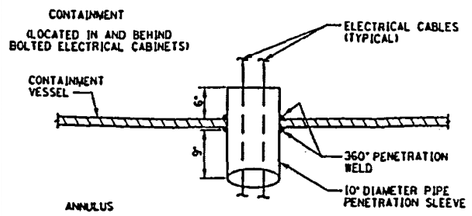
DRAWN		APPROVED	
CHECKED		PROJECT APPROVED	
CADD	DRAWN L.A.H. 11-11-97	DWG. NO. M-1727 SH. 12 OF 34	REV. (-)
	SCALE NONE		

M-1727 SH. 13 OF 34



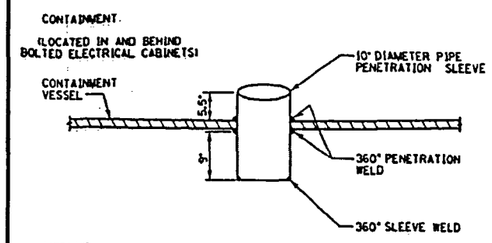
ELECTRICAL PENETRATION NO. A-8

SCALE 1" = 1'-0"



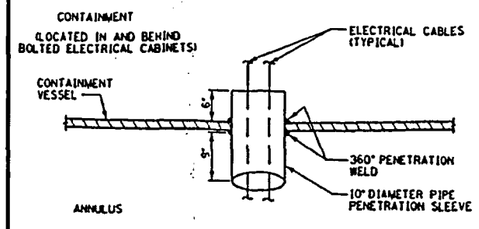
ELECTRICAL PENETRATION NO. A-9

SCALE 1" = 1'-0"



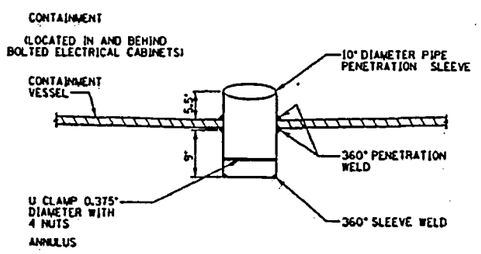
ELECTRICAL PENETRATION NO. A-10

SCALE 1" = 1'-0"



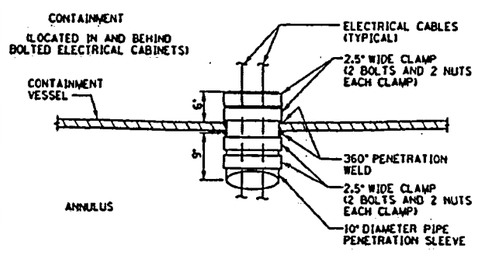
ELECTRICAL PENETRATION NO. A-11

SCALE 1" = 1'-0"



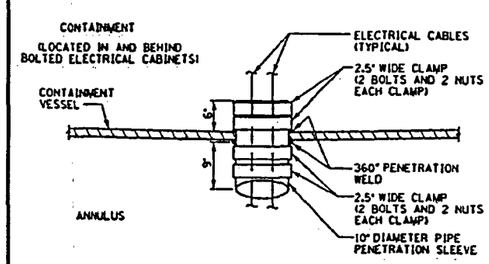
ELECTRICAL PENETRATION NO. A-12

SCALE 1" = 1'-0"



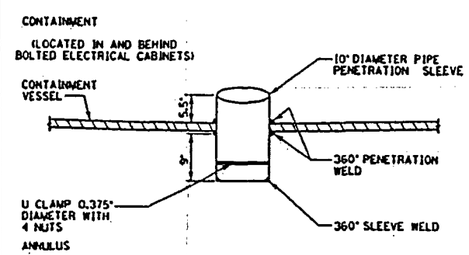
ELECTRICAL PENETRATION NO. B-1

SCALE 1" = 1'-0"



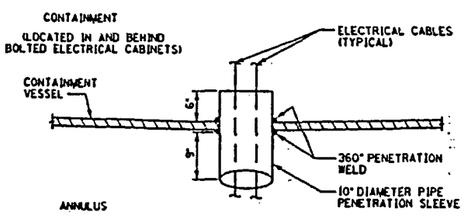
ELECTRICAL PENETRATION NO. B-2

SCALE 1" = 1'-0"



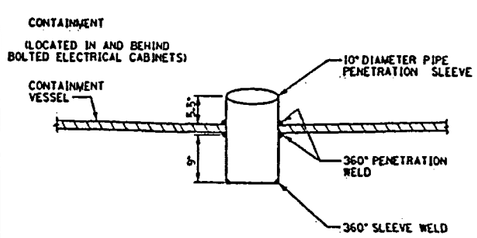
ELECTRICAL PENETRATION NO. B-3

SCALE 1" = 1'-0"



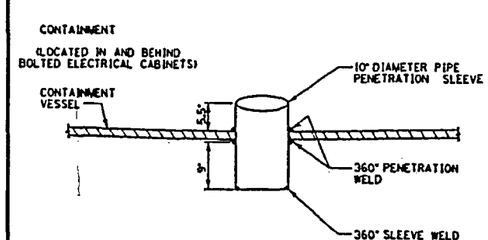
ELECTRICAL PENETRATION NO. B-4

SCALE 1" = 1'-0"



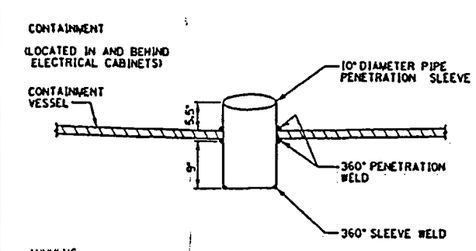
ELECTRICAL PENETRATION NO. B-5

SCALE 1" = 1'-0"



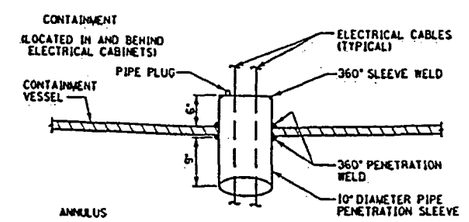
ELECTRICAL PENETRATION NO. B-6

SCALE 1" = 1'-0"



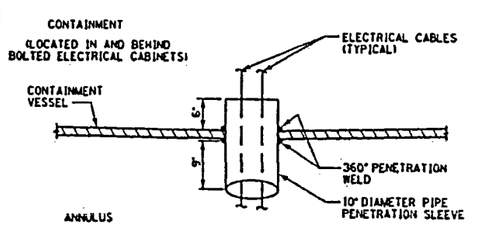
ELECTRICAL PENETRATION NO. B-7

SCALE 1" = 1'-0"



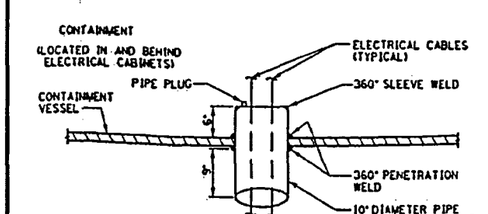
ELECTRICAL PENETRATION NO. B-8

SCALE 1" = 1'-0"



ELECTRICAL PENETRATION NO. B-9

SCALE 1" = 1'-0"



ELECTRICAL PENETRATION NO. B-10

SCALE 1" = 1'-0"

ASME BOILER AND PRESSURE VESSEL CODE SECTION XI CLASS MC

REVISION
FILMED FIRST ISSUE BY WPS PER KAP 1322 APP'D: PEB 02-27-98 FILMED(WPS) 03-10-98

M-1727 SH. 13 OF 34

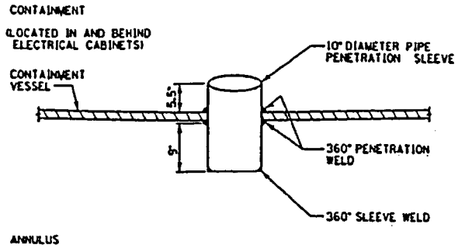
WISCONSIN PUBLIC SERVICE CORPORATION
KEWAUNEE NUCLEAR POWER PLANT
CARLTON, KEWAUNEE COUNTY, WISCONSIN

INSERVICE INSPECTION ISOMETRIC REACTOR BUILDING CONTAINMENT VESSEL

DESIGNED BY
WISCONSIN PUBLIC SERVICE CORP.
GREEN BAY, WISCONSIN

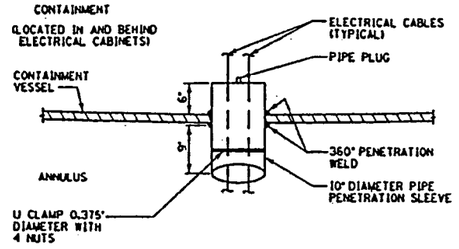
DESIGNED		APPROVED	
CHECKED		PROJECT APPROVED	
CADD	DRAWN L.A.H. 12-11-97	DWG. NO. M-1727 SH. 13 OF 34	REV. (-)
	SCALE NONE		

M-1727 SH. 14 OF 34



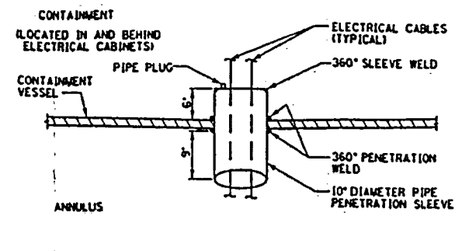
ELECTRICAL PENETRATION NO. B-11

SCALE 1" = 1'-0"



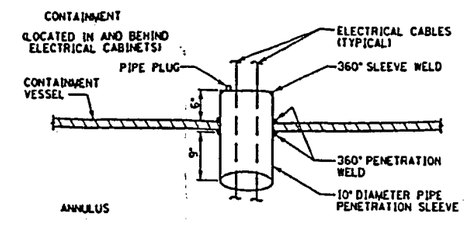
ELECTRICAL PENETRATION NO. B-12

SCALE 1" = 1'-0"



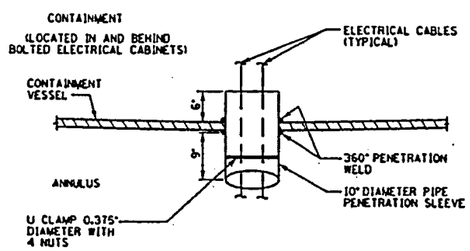
ELECTRICAL PENETRATION NO. C-1

SCALE 1" = 1'-0"



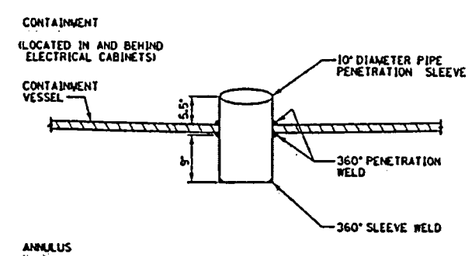
ELECTRICAL PENETRATION NO. C-2

SCALE 1" = 1'-0"



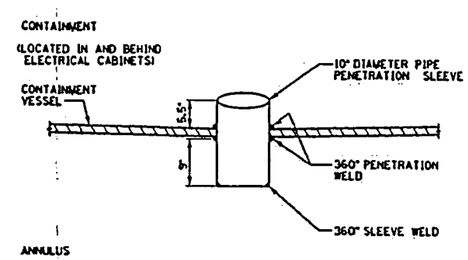
ELECTRICAL PENETRATION NO. C-3

SCALE 1" = 1'-0"



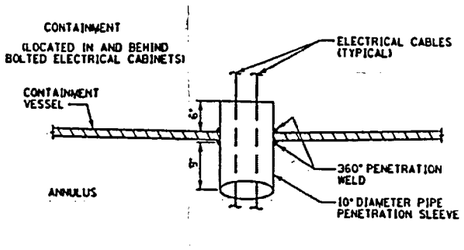
ELECTRICAL PENETRATION NO. C-4

SCALE 1" = 1'-0"



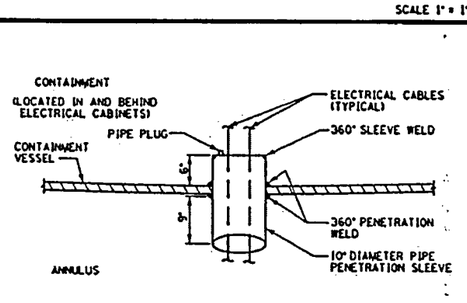
ELECTRICAL PENETRATION NO. C-5

SCALE 1" = 1'-0"



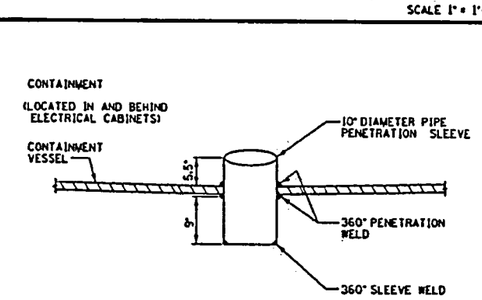
ELECTRICAL PENETRATION NO. C-6

SCALE 1" = 1'-0"



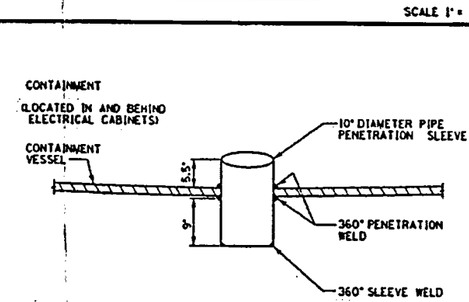
ELECTRICAL PENETRATION NO. C-7

SCALE 1" = 1'-0"



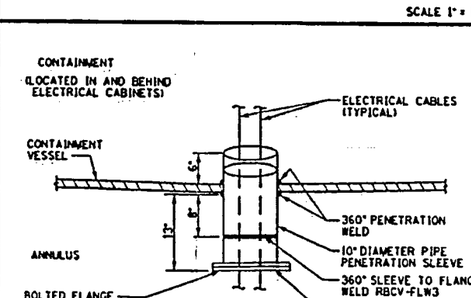
ELECTRICAL PENETRATION NO. C-8

SCALE 1" = 1'-0"



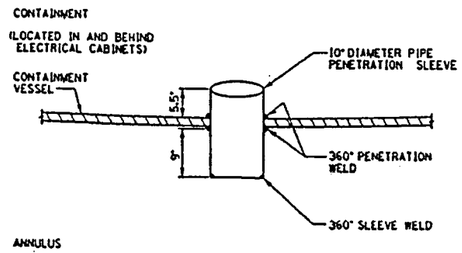
ELECTRICAL PENETRATION NO. C-9

SCALE 1" = 1'-0"



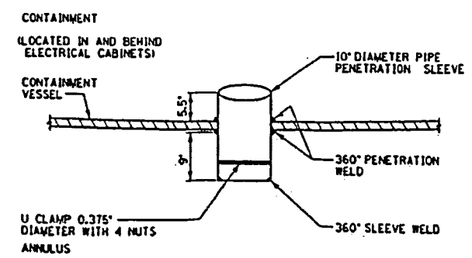
ELECTRICAL PENETRATION NO. C-10

SCALE 1" = 1'-0"



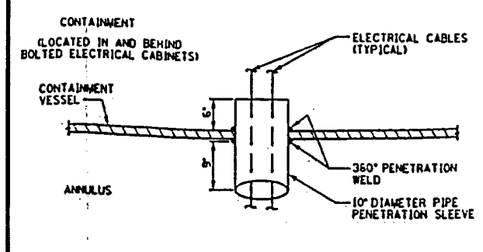
ELECTRICAL PENETRATION NO. C-11

SCALE 1" = 1'-0"



ELECTRICAL PENETRATION NO. C-12

SCALE 1" = 1'-0"



ELECTRICAL PENETRATION NO. D-1

SCALE 1" = 1'-0"

REVISION
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M-1727 SH. 14 OF 34

ASME BOILER AND PRESSURE VESSEL CODE SECTION XI CLASS MC

WISCONSIN PUBLIC SERVICE CORPORATION
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CARLTON, KEWAUNEE COUNTY, WISCONSIN

INSERVICE INSPECTION ISOMETRIC REACTOR BUILDING CONTAINMENT VESSEL

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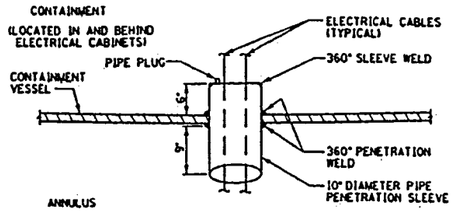
GREEN BAY, WISCONSIN

DRAWN	L.A.H.	11-11-97
SCALE	NONE	
DWG. NO.	M-1727 SH. 14 OF 34	REV. (-)

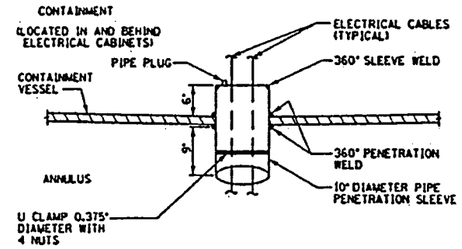
CADD

M-1727 SH. 15 OF 34



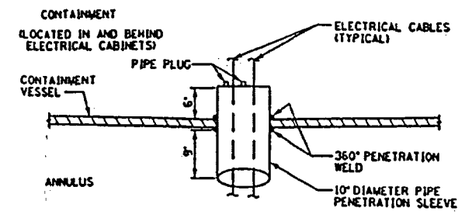
ELECTRICAL PENETRATION NO. D-2

SCALE 1" = 1'-0"



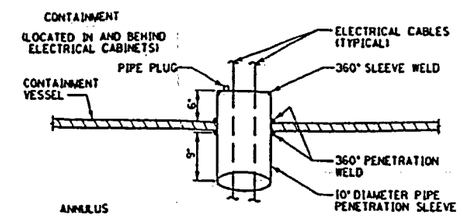
ELECTRICAL PENETRATION NO. D-3

SCALE 1" = 1'-0"



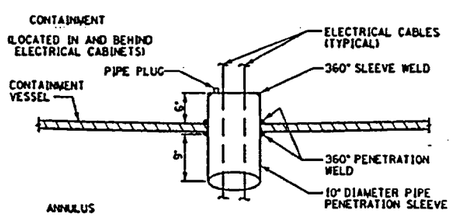
ELECTRICAL PENETRATION NO. D-4

SCALE 1" = 1'-0"



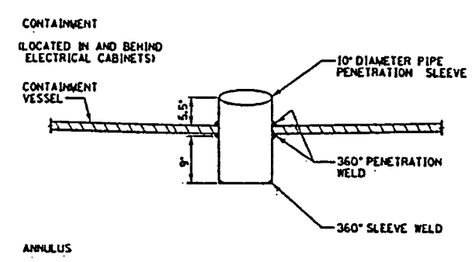
ELECTRICAL PENETRATION NO. D-5

SCALE 1" = 1'-0"



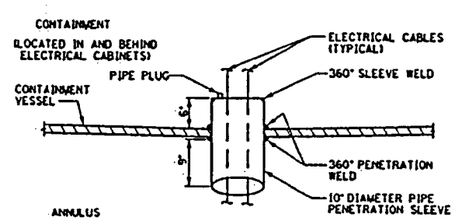
ELECTRICAL PENETRATION NO. D-6

SCALE 1" = 1'-0"



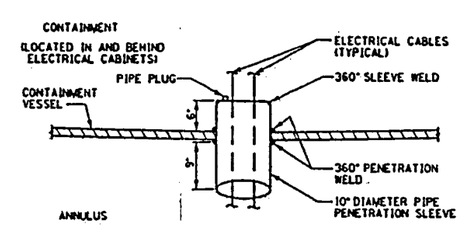
ELECTRICAL PENETRATION NO. D-7

SCALE 1" = 1'-0"



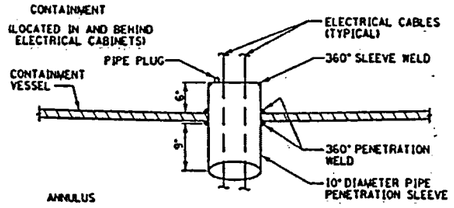
ELECTRICAL PENETRATION NO. D-8

SCALE 1" = 1'-0"



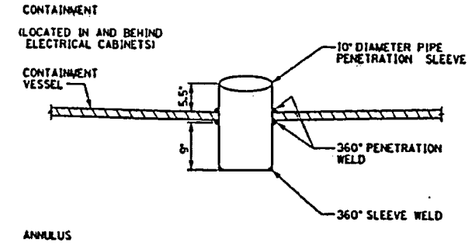
ELECTRICAL PENETRATION NO. D-9

SCALE 1" = 1'-0"



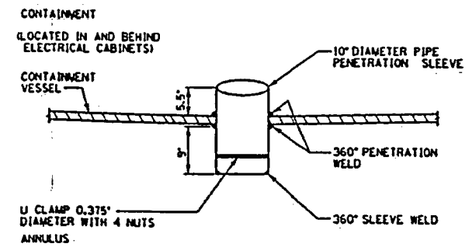
ELECTRICAL PENETRATION NO. D-10

SCALE 1" = 1'-0"



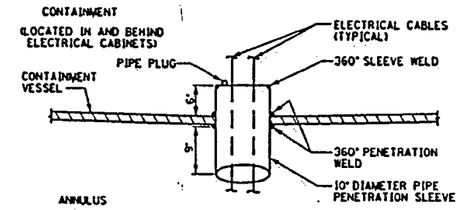
ELECTRICAL PENETRATION NO. D-11

SCALE 1" = 1'-0"



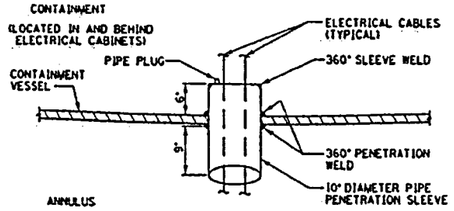
ELECTRICAL PENETRATION NO. D-12

SCALE 1" = 1'-0"



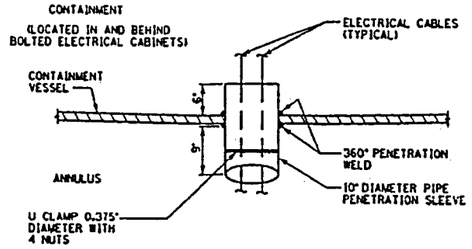
ELECTRICAL PENETRATION NO. E-1

SCALE 1" = 1'-0"



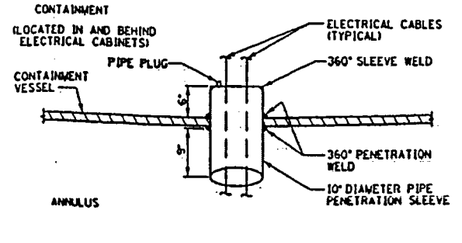
ELECTRICAL PENETRATION NO. E-2

SCALE 1" = 1'-0"



ELECTRICAL PENETRATION NO. E-3

SCALE 1" = 1'-0"



ELECTRICAL PENETRATION NO. E-4

SCALE 1" = 1'-0"

REVISION
FILMED FIRST ISSUE BY WPS PER KAP 1322 APP'D: PEB 02-27-98 FILMED(WPS) 03-10-98

M-1727 SH. 15 OF 34

ASME BOILER AND PRESSURE VESSEL CODE SECTION XI CLASS MC

WISCONSIN PUBLIC SERVICE CORPORATION
KEWAUNEE NUCLEAR POWER PLANT
CARLTON, KEWAUNEE COUNTY, WISCONSIN

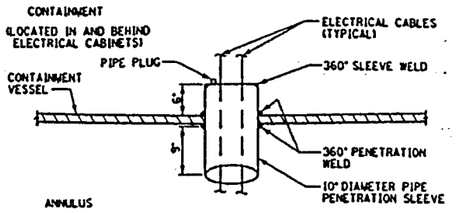
INSERVICE INSPECTION ISOMETRIC REACTOR BUILDING CONTAINMENT VESSEL

DESIGNED BY
WISCONSIN PUBLIC SERVICE CORP.
GREEN BAY, WISCONSIN

DESIGNED		APPROVED	
CHECKED		PROJECT APPROVED	
DRAWN L.A.H. 11-14-97		DWG. NO. M-1727 SH. 15 OF 34	REV. (-)
SCALE NONE			

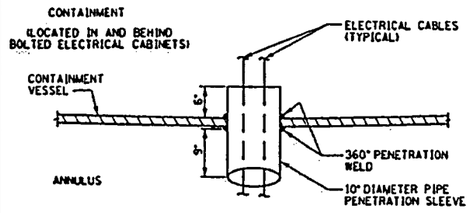
CADD

M-1727 SH. 16 OF 34



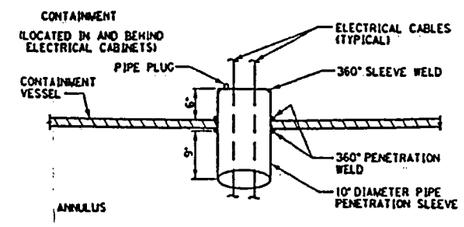
ELECTRICAL PENETRATION NO. E-5

SCALE 1" = 1'-0"



ELECTRICAL PENETRATION NO. E-6

SCALE 1" = 1'-0"



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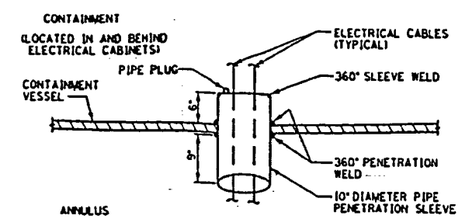
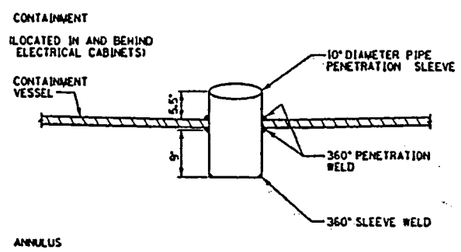
SCALE 1" = 1'-0"



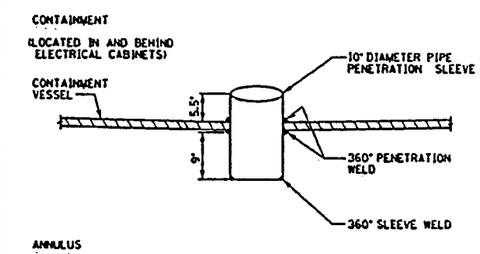
ELECTRICAL PENETRATION NO. E-8

SCALE 1" = 1'-0"



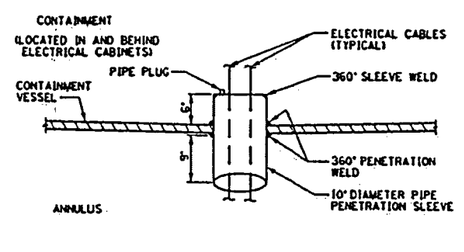
ELECTRICAL PENETRATION NO. E-9

SCALE 1" = 1'-0"



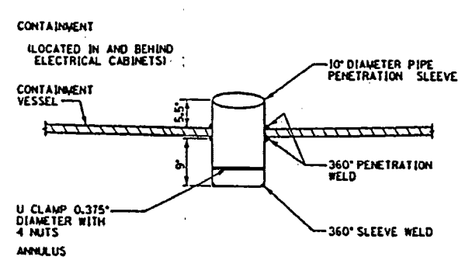
ELECTRICAL PENETRATION NO. E-10

SCALE 1" = 1'-0"



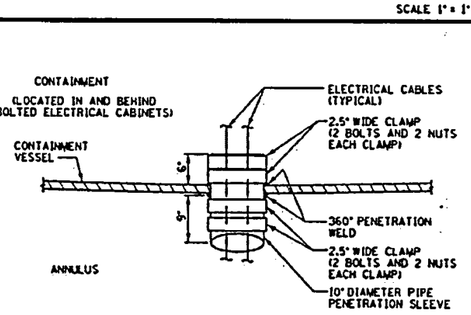
ELECTRICAL PENETRATION NO. E-11

SCALE 1" = 1'-0"



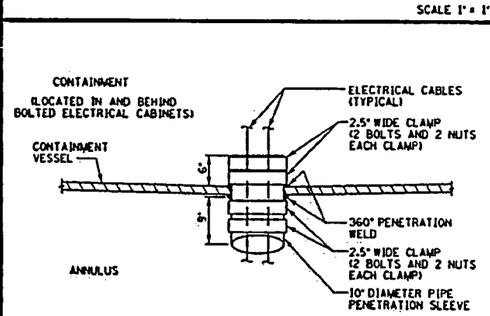
ELECTRICAL PENETRATION NO. E-12

SCALE 1" = 1'-0"



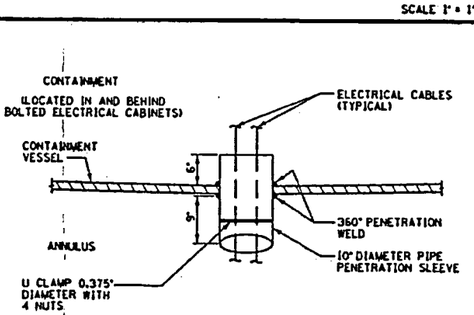
ELECTRICAL PENETRATION NO. F-1

SCALE 1" = 1'-0"



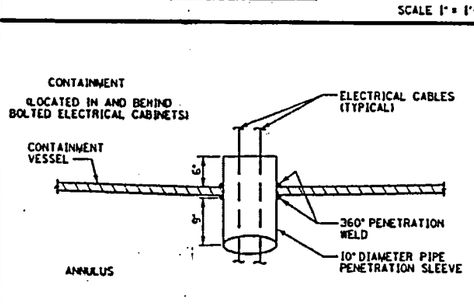
ELECTRICAL PENETRATION NO. F-2

SCALE 1" = 1'-0"



ELECTRICAL PENETRATION NO. F-3

SCALE 1" = 1'-0"



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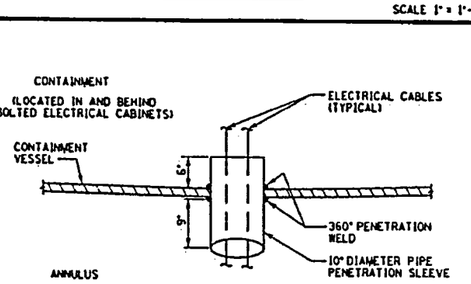
SCALE 1" = 1'-0"



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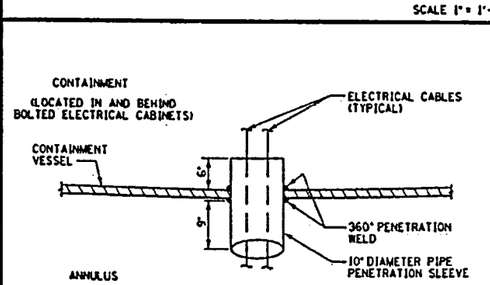
SCALE 1" = 1'-0"



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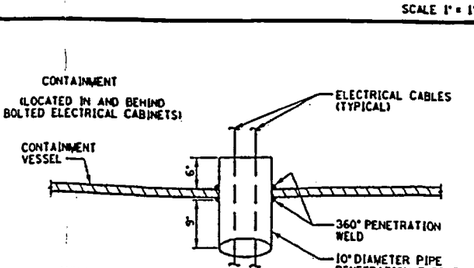
SCALE 1" = 1'-0"



ELECTRICAL PENETRATION NO. F-7

SCALE 1" = 1'-0"

ASME BOILER AND PRESSURE VESSEL CODE SECTION XI CLASS MC

REVISION
FILMED FIRST ISSUE BY WPS PER KAP 1322 APP'D: PEB 02-27-98 FILMED(WPS) 03-10-98

M-1727 SH. 16 OF 34

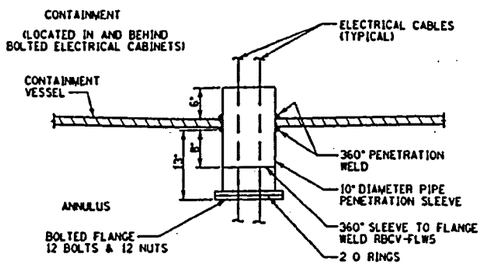
WISCONSIN PUBLIC SERVICE CORPORATION
KEWAUNEE NUCLEAR POWER PLANT
CARLTON, KEWAUNEE COUNTY, WISCONSIN

INSERVICE INSPECTION ISOMETRIC REACTOR BUILDING CONTAINMENT VESSEL

DESIGNED BY
WISCONSIN PUBLIC SERVICE CORP.
GREEN BAY, WISCONSIN

DESIGNED	DRAWN-CD
CHECKED	PROJECT APPROVED
DRAWN L.A.H. 11-11-97	DWG. NO. M-1727 SH. 16 OF 34
SCALE NONE	REV. (-)

CADD



ELECTRICAL PENETRATION NO. F-8

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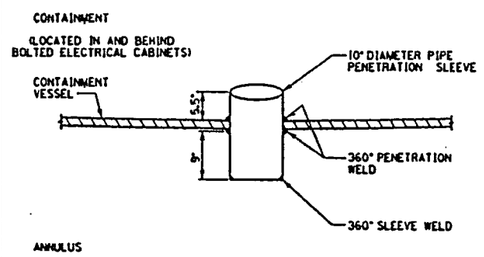

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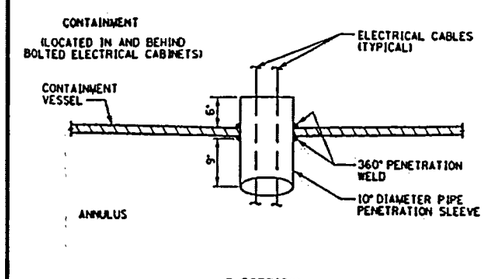
SCALE 1" = 1'-0"



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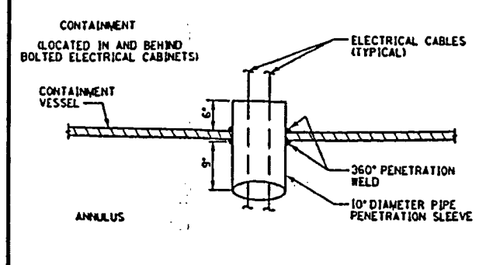
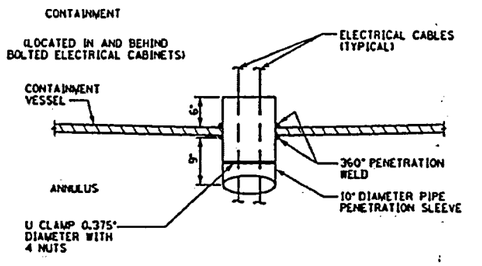
SCALE 1" = 1'-0"



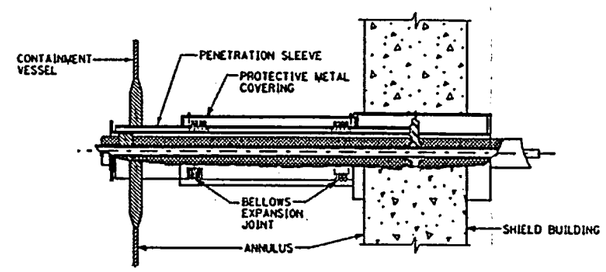
ELECTRICAL PENETRATION NO. F-11

SCALE 1" = 1'-0"



ELECTRICAL PENETRATION NO. F-12

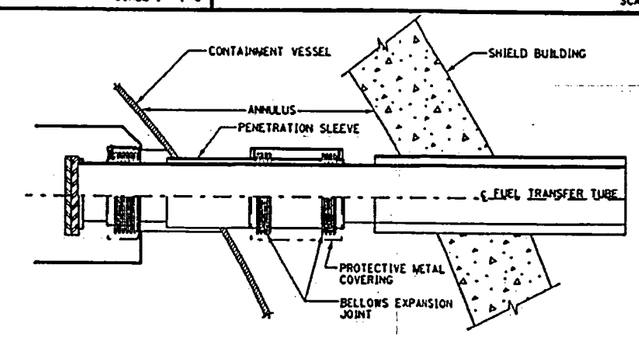
SCALE 1" = 1'-0"



HOT PIPING PENETRATIONS TYPICAL NO. 6E, NO. 6W, NO. 7E, NO. 7W, NO. 8N, NO. 8S, NO. 9, NO. 10 AND NO. 11

VIEW F

SCALE: NONE



PIPING PENETRATION NO. 18

VIEW G

SCALE: NONE

REVISION
FILMED FIRST ISSUE BY WPS PER KAP 1322 APP'D: PEB 02-27-98 FILMED: WPS 03-10-98

M-1727 SH. 17 OF 34

ASME BOILER AND PRESSURE VESSEL CODE SECTION XI CLASS MC

WISCONSIN PUBLIC SERVICE CORPORATION
KEWAUNEE NUCLEAR POWER PLANT
CARLTON, KEWAUNEE COUNTY, WISCONSIN

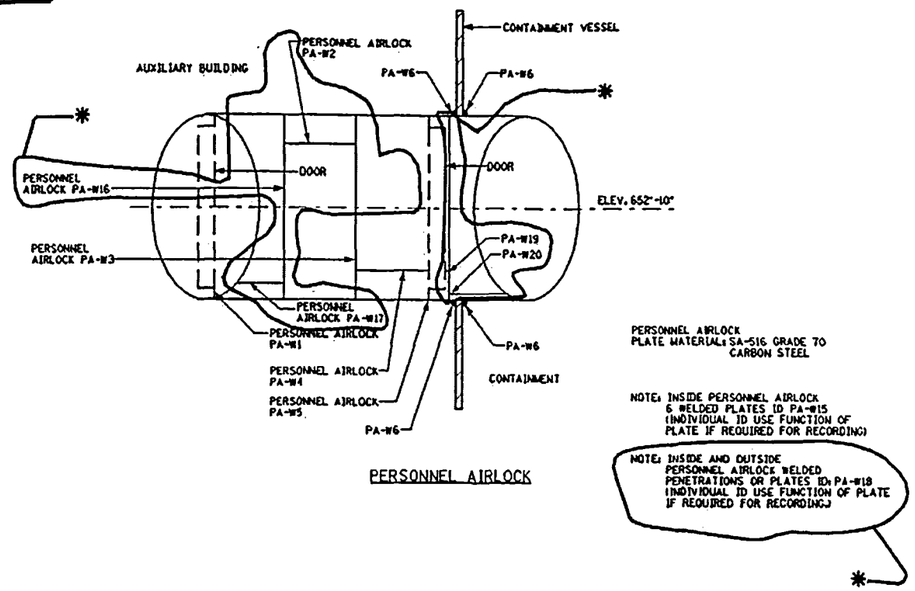
INSERVICE INSPECTION ISOMETRIC REACTOR BUILDING CONTAINMENT VESSEL

DESIGNED BY
WISCONSIN PUBLIC SERVICE CORP.
GREEN BAY, WISCONSIN

DESIGNED	DRAWN
CHECKED	PROJECT APPROVED
DRAWN L.A.H. 11-11-97	DWG. NO. M-1727 SH. 17 OF 34
SCALE NONE	REV. (-)

CADD

M-1727 SH. 18 OF 34

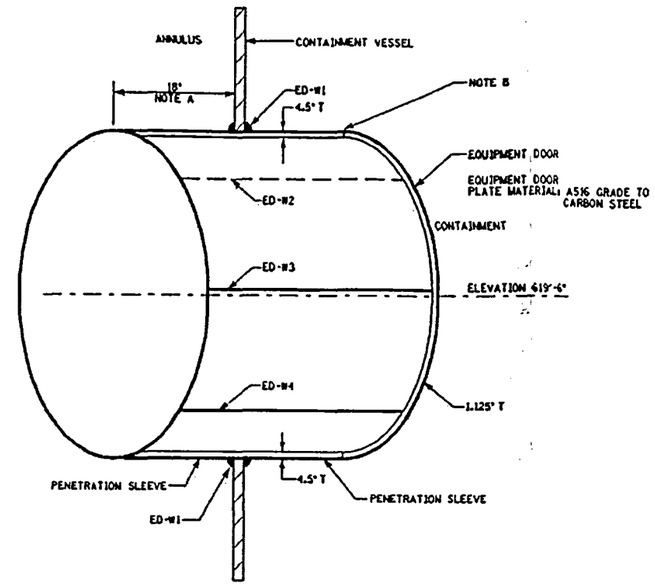


PERSONNEL AIRLOCK

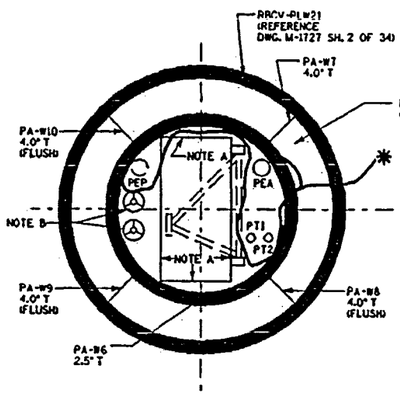
PERSONNEL AIRLOCK
PLATE MATERIAL: SA-516 GRADE 70
CARBON STEEL

NOTE: INSIDE PERSONNEL AIRLOCK
6 WELDED PLATES ID PA-W15
(INDIVIDUAL ID USE FUNCTION OF
PLATE IF REQUIRED FOR RECORDING)

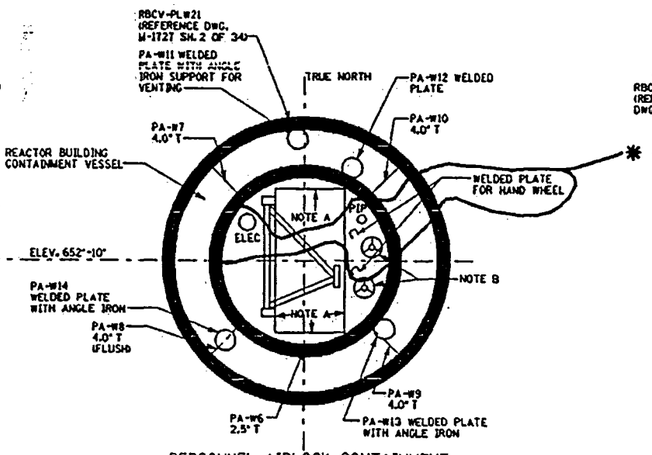
NOTE: INSIDE AND OUTSIDE
PERSONNEL AIRLOCK WELDED
PENETRATIONS OR PLATES ID: PA-W18
(INDIVIDUAL ID USE FUNCTION OF PLATE
IF REQUIRED FOR RECORDING)



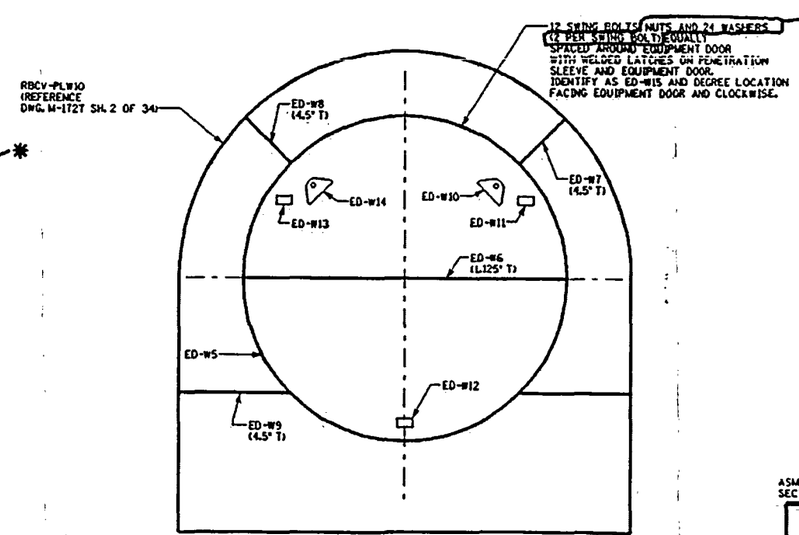
EQUIPMENT DOOR



PERSONNEL AIRLOCK AUXILIARY
BUILDING VIEW



PERSONNEL AIRLOCK CONTAINMENT
BUILDING VIEW



EQUIPMENT DOOR INSIDE CONTAINMENT VIEW

0-1
KAP 97-001322

NOTE A: GASKET STRIPS ON DOOR INTERFACES
NOTE B: SEALS LOCATED ON INSIDE OF EACH HANDWHEEL

PERSONNEL AIRLOCK WELDS

PA-W1: PERSONNEL AIRLOCK CIRCUMFERENTIAL DOOR WELD I.D. AND O.D.
PA-W2 AND PA-W4: PERSONNEL AIRLOCK LONGITUDINAL WELDS I.D. AND O.D.
PA-W3: PERSONNEL AIRLOCK CIRCUMFERENTIAL WELD I.D. AND O.D.
PA-W5: PERSONNEL AIRLOCK CIRCUMFERENTIAL DOOR WELD I.D. AND O.D.
PA-W6: REACTOR BUILDING CONTAINMENT VESSEL PENETRATION WELD I.D. AND O.D.
PA-W7, PA-W8, PA-W9 AND PA-W10: REACTOR BUILDING CONTAINMENT VESSEL PENETRATION WELDS I.D. AND O.D.
PA-W11, PA-W12, PA-W13 AND PA-W14: REACTOR BUILDING CONTAINMENT VESSEL PENETRATION WELDED PLATES.
PA-W15: PERSONNEL AIRLOCK WELDED PLATES.
PA-W16: PERSONNEL AIRLOCK CIRCUMFERENTIAL WELD I.D. AND O.D.
PA-W17: PERSONNEL AIRLOCK LONGITUDINAL WELD I.D. AND O.D.
PA-W18: PERSONNEL AIRLOCK WELDED PENETRATIONS AND PLATES I.E. PEP, PEA, PT1, PT2, PIP, ELECTRICAL AND HAND WHEELS.
PA-W19: PERSONNEL AIRLOCK CIRCUMFERENTIAL WELD I.D. AND O.D.
PA-W20: PERSONNEL AIRLOCK LONGITUDINAL WELD I.D. AND O.D.

NOTE A: SLEEVE LENGTH VARIES DUE TO CURVATURE ON CONTAINMENT VESSEL
NOTE B: 2 GASKETS 360° BETWEEN PENETRATION SLEEVE AND EQUIPMENT DOOR.

EQUIPMENT DOOR WELDS

ED-W1: REACTOR BUILDING CONTAINMENT VESSEL PENETRATION WELD I.D. AND O.D.
ED-W2, ED-W3 AND ED-W4: PENETRATION SLEEVE AND EQUIPMENT DOOR LONGITUDINAL WELDS.
ED-W5: EQUIPMENT DOOR CIRCUMFERENTIAL WELD I.D. AND O.D.
ED-W6: EQUIPMENT DOOR LONGITUDINAL WELD I.D. AND O.D.
ED-W7, ED-W8 AND ED-W9: REACTOR BUILDING CONTAINMENT VESSEL LONGITUDINAL PENETRATION WELD.
ED-W10, ED-W11, ED-W12, ED-W13 AND ED-W14: EQUIPMENT DOOR WELDED ATTACHMENTS
ED-W15: SWING BOLT WELDED LATCHES.

REVISION

FILMED FIRST ISSUE
BY WPS
PER KAP 1322
APP'D: PEB 02-27-98
FILMED: WPS 03-10-98

0-1 KAP 97-001322
REVISED NOTES, ADDED
WELDS PA-W16,17,18,
19 AND 20.
BY: SMJ 11-14-01
APP'D: PEB 11-15-01

A KAP 97-001322
COMPL.
SEE REV 0-1.
FILMED: WPS 11-20-01

M-1727 SH. 18 OF 34

ASME BOILER AND PRESSURE VESSEL CODE
SECTION XI CLASS MC

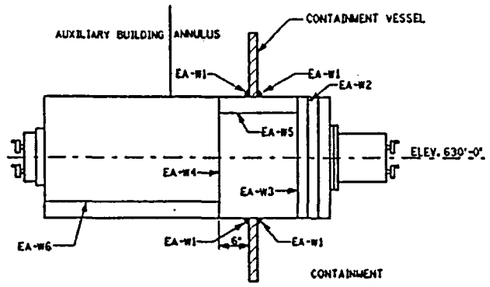
WISCONSIN PUBLIC SERVICE CORPORATION
KEWAUNEE NUCLEAR POWER PLANT
CARLTON, KEWAUNEE COUNTY, WISCONSIN

INSERVICE INSPECTION ISOMETRIC
REACTOR BUILDING CONTAINMENT VESSEL

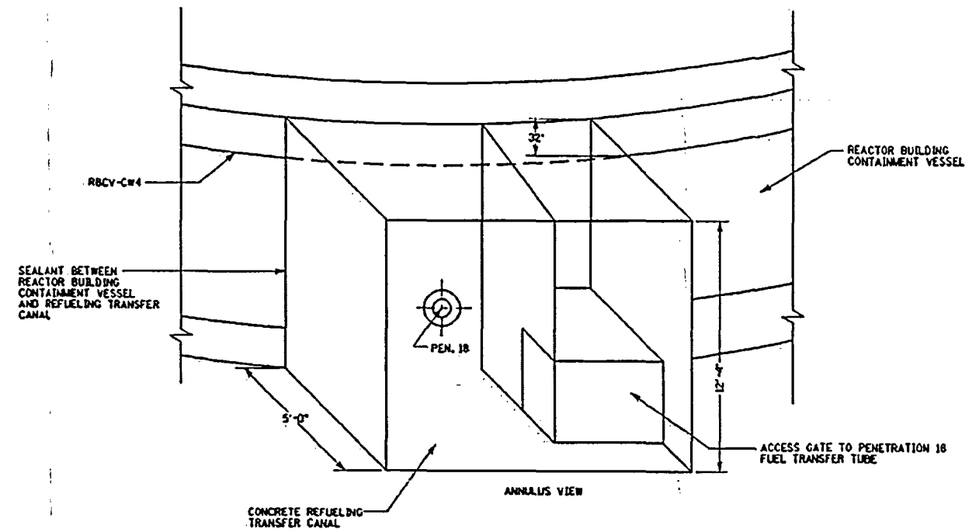
DESIGNED BY
WISCONSIN PUBLIC SERVICE CORP.
GREEN BAY, WISCONSIN

DESIGNED		APPROVED	
CHECKED		PROJECT APPROVED	
DRAWN L.A.H. 11-14-97		DWG. NO.	REV.
SCALE NONE		M-1727 SH. 18 OF 34	A

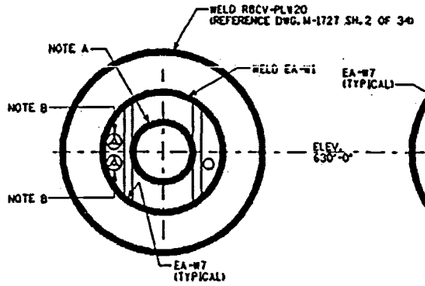
CADD



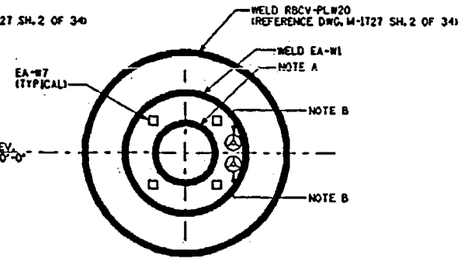
EMERGENCY AIRLOCK



REFUELING TRANSFER CANAL



EMERGENCY AIRLOCK AUXILIARY BUILDING VIEW



EMERGENCY AIRLOCK CONTAINMENT BUILDING VIEW

A-1
KAP 97-001322

NOTE A: GASKET STRIPS AND SEALS ON DOOR INTERFACES
NOTE B: SEALS LOCATED ON INSIDE OF EACH HANDWHEEL

EMERGENCY AIRLOCK WELDS

EA-W1: REACTOR BUILDING CONTAINMENT VESSEL PENETRATION WELD I.D. AND O.D.
EA-W2: EMERGENCY AIRLOCK CIRCUMFERENTIAL WELD
EA-W3: EMERGENCY AIRLOCK CIRCUMFERENTIAL WELD
EA-W4: EMERGENCY AIRLOCK CIRCUMFERENTIAL WELD
EA-W5: EMERGENCY AIRLOCK LONGITUDINAL WELD
EA-W6: EMERGENCY AIRLOCK LONGITUDINAL WELD
EA-W7: (ALL OTHER WELDS ON EMERGENCY AIRLOCK I.E. HANDLE WELDS, TACK WELDS, HINGE WELDS ETC.)

REVISION
FILMED FIRST ISSUE BY WPS PER KAP 1322 APP'D: PEB 02-27-98 FILMED(WPS) 03-10-98
0-1 KAP 1322 REDRAW SECTION OF REFUELING TRANSFER CANAL BY: JMS 9-24-99 APP'D: PEB 9-24-99
A KAP 1322 COMPL. SEE REV. 0-1 FILMED: 10-12-99
A-1 KAP 97-001322 REVISED NOTE A. BY: SMJ 11-14-01 APP'D: PEB 11-15-01
B KAP 97-001322 COMPL. SEE REV. A-1 FILMED(WPS) 11-20-01

M-1727 SH. 19 OF 34

WISCONSIN PUBLIC SERVICE CORPORATION
KEWAUNEE NUCLEAR POWER PLANT
CARLTON, KEWAUNEE COUNTY, WISCONSIN

INSERVICE INSPECTION ISOMETRIC
REACTOR BUILDING CONTAINMENT VESSEL

DESIGNED BY
WISCONSIN PUBLIC SERVICE CORP.
GREEN BAY, WISCONSIN

DESIGNED		APPROVED	
CHECKED		PROJECT APPROVED	
DRAWN L.A.H. 11-11-97	SCALE NONE	DWG. NO. M-1727 SH. 19 OF 34	REV. B

CADD

EXAMINATION AREA

REACTOR BUILDING CONTAINMENT VESSEL COMPONENT IDENTIFICATION	PLATE	COMPONENT OR PENETRATION WELD/WELDS	DISSIMILAR METAL WELD	VENT SYSTEM	PENETRATION SLEEVE	SEALS	GASKETS	MOISTURE BARRIER	PRESSURE RETAINING BOLTED CONNECTION	ACCESSIBLE	INSULATED	PAINTED/COATED	COMMENTS
RBCV-PLW1	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO	UNKNOWN	UNKNOWN	INACCESSIBLE CONCRETE ENCLOSED
RBCV-PLW2	YES	YES	NO	NO	NO	NO	NO	YES	NO	YES	NO	YES	PARTIALLY INACCESSIBLE DUE TO CONCRETE RING
RBCV-PLW3	YES	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-PLW4	YES	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-PLW5	YES	YES	NO	NO	NO	NO	NO	YES	NO	YES	NO	YES	PARTIALLY INACCESSIBLE DUE TO CONCRETE RING
RBCV-PLW6	YES	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-PLW7	YES	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-PLW8	YES	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-PLW9	YES	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-PLW10	YES	YES	NO	NO	NO	NO	NO	YES	NO	YES	NO	YES	PARTIALLY INACCESSIBLE DUE TO CONCRETE RING
RBCV-PLW11	YES	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-PLW12	YES	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-PLW13	YES	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-PLW14	YES	YES	NO	NO	NO	NO	NO	YES	NO	YES	NO	YES	
RBCV-PLW15	YES	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	INACCESSIBLE FROM CONTAINMENT ONLY. LOCATED BEHIND REACTOR CAVITY STAINLESS STEEL LINING. PLATE PARTIALY INACCESSIBLE IN ANNULUS DUE TO REFUELING TRANSFER CANAL.
RBCV-PLW16	YES	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-PLW17	YES	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-PLW18	YES	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-PLW19	YES	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-PLW20	YES	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-PLW21	YES	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-PLW22	YES	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-PLW23	YES	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-PLW24	YES	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-CW1	NO	YES	NO	NO	NO	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	NO	NO	UNKNOWN	INACCESSIBLE CONCRETE ENCLOSED
RBCV-CW2	NO	YES	NO	NO	NO	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	NO	NO	UNKNOWN	INACCESSIBLE CONCRETE ENCLOSED
RBCV-CW3	NO	YES	NO	NO	NO	UNKNOWN	UNKNOWN	YES	UNKNOWN	NO	NO	UNKNOWN	INACCESSIBLE CONCRETE ENCLOSED
RBCV-CW4	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN ANNULUS AND CONTAINMENT DUE TO REFUELING TRANSFER CANAL
RBCV-CW5	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT DUE TO REFUELING TRANSFER CANAL
RBCV-CW6	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT DUE TO REFUELING TRANSFER CANAL
RBCV-CW7	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-CW8	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-CW9	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-CW10	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-CW11	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-CW12	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-CW13	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	

0-1
KAP 00-001322

NOTES: 1. PENETRATION SLEEVE AND WELD LENGTH DIMENSIONS ARE APPROXIMATE. SLEEVES AND WELDS ARE DIFFERENT LENGTHS BASED ON LOCATIONS WITH REFERENCE TO CURVATURE OF CONTAINMENT VESSEL.

2. YES IN PAINTED/COATED SECTION SYMBOLIZES THAT A PORTION OR ENTIRE SURFACE MAY BE PAINTED. SURFACES INCLUDE PLATE, 360° PENETRATION WELD INSIDE ANNULUS OR CONTAINMENT, PENETRATION SLEEVE INSIDE ANNULUS OR CONTAINMENT, ETC.

3. REACTOR BUILDING CONTAINMENT VESSEL COMPONENT IDENTIFICATION FOR PLATE WELDS (RBCV-PLW-), CIRCUMFERENTIAL WELDS (RBCV-CW-), MERIDIONAL WELDS (RBCV-MW-), LONGITUDINAL WELDS (RBCV-LW-) AND PLATE (PLATE-) ARE APPLICABLE FOR BOTH O.D. LOCATION (ANNULUS) AND I.D. LOCATION (CONTAINMENT).

REVISION

FILMED FIRST ISSUE
BY WPS
PER KAP 1322
APP'D: PEB 02-27-98
FILMED: (WPS) 03-10-98

0-1 KAP 00-001322
REVISED COMMENTS
RBCV-CW4, ADDED
COMMENTS TO RBCV-CW5
& RBCV-CW6
BY: JMS 06-28-00
APP'D: [illegible]

A KAP 00-001322 COMPL.
SEE REV. 0-1
FILMED: (WPS) [illegible]

M-1727 SH. 20 OF 34

WISCONSIN PUBLIC SERVICE CORPORATION
KEWAUNEE NUCLEAR POWER PLANT
CARLTON, KEWAUNEE COUNTY, WISCONSIN

INSERVICE INSPECTION ISOMETRIC
REACTOR BUILDING CONTAINMENT VESSEL

DESIGNED BY
WISCONSIN PUBLIC SERVICE CORP.
GREEN BAY, WISCONSIN

DESIGNED		APPROVED	
CHECKED		PROJECT APPROVED	
DRAWN L.A.H. 11-11-97	DWG. NO.		REV.
SCALE NONE	M-1727 SH. 20 OF 34		A

CADD

M-1727-21

EXAMINATION AREA

REACTOR BUILDING CONTAINMENT VESSEL COMPONENT IDENTIFICATION	PLATE	COMPONENT OR PENETRATION WELD/WELDS	DISSIMILAR METAL WELD	VENT SYSTEM	PENETRATION SLEEVE	SEALS	GASKETS	MOISTURE BARRIER	PRESSURE RETAINING BOLTED CONNECTION	ACCESSIBLE	INSULATED	PAINTED/COATED	COMMENTS
RBCV-CW14	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-CW15	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-CW16	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW1	NO	YES	NO	NO	NO	NO	NO	YES	NO	NO	NO	UNKNOWN	INACCESSIBLE DUE TO CONCRETE RING IN ANNULUS
RBCV-LW2	NO	YES	NO	NO	NO	NO	NO	YES	NO	YES	NO	YES	IN ANNULUS PARTIALLY INACCESSIBLE DUE TO CONCRETE RING
RBCV-LW3	NO	YES	NO	NO	NO	NO	NO	YES	NO	YES	NO	YES	IN ANNULUS PARTIALLY INACCESSIBLE DUE TO CONCRETE RING
RBCV-LW4	NO	YES	NO	NO	NO	NO	NO	YES	NO	YES	NO	YES	IN ANNULUS PARTIALLY INACCESSIBLE DUE TO CONCRETE RING
RBCV-LW5	NO	YES	NO	NO	NO	NO	NO	YES	NO	YES	NO	YES	IN ANNULUS PARTIALLY INACCESSIBLE DUE TO CONCRETE RING
RBCV-LW6	NO	YES	NO	NO	NO	NO	NO	YES	NO	YES	NO	YES	IN ANNULUS PARTIALLY INACCESSIBLE DUE TO CONCRETE RING
RBCV-LW7	NO	YES	NO	NO	NO	NO	NO	YES	NO	YES	NO	YES	IN ANNULUS PARTIALLY INACCESSIBLE DUE TO CONCRETE RING
RBCV-LW8	NO	YES	NO	NO	NO	NO	NO	YES	NO	YES	NO	YES	IN ANNULUS PARTIALLY INACCESSIBLE DUE TO CONCRETE RING
RBCV-LW9	NO	YES	NO	NO	NO	NO	NO	YES	NO	YES	NO	YES	100% INACCESSIBLE DUE TO REFUELING TRANSFER CANAL IN CONTAINMENT & IN ANNULUS
RBCV-LW10	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW11	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW12	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW13	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW14	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW15	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW16	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW17	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	100% INACCESSIBLE IN CONTAINMENT AND PARTIALLY INACCESSIBLE IN ANNULUS DUE TO REFUELING TRANSFER CANAL
RBCV-LW18	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW19	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW20	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW21	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW22	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW23	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW24	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW25	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW26	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW27	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW28	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW29	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW30	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW31	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW32	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW33	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW34	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	

A-1
CAP 009600

NOTES: 1. PENETRATION SLEEVE AND WELD LENGTH DIMENSIONS ARE APPROXIMATE. SLEEVES AND WELDS ARE DIFFERENT LENGTHS BASED ON LOCATIONS WITH REFERENCE TO CURVATURE OF CONTAINMENT VESSEL.

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REVISION

FILMED FIRST ISSUE BY WPS
PER KAP 1322
APP'D: PEB 02-27-98
FILMED(WPS) 03-10-98

0-1 KAP 00-001322
REVISED COMMENTS RBCV-LW17
BY: JMS 06-28-00
APP'D: DAK 07/07/00

A KAP 00-001322 COMPL.
SEE REV. 0-1
FILMED: (WPS) 07/11/00

A-1 CAP 009600
REVISED COMMENTS FROM RBCV-LW9.
DRFT'D: MTH 02-22-05
APP'D: PEB 02-23-05

B CAP 009600 COMPLETE.
SEE REVISION A-1.
FILMED: 03-01-05

M-1727-21

WISCONSIN PUBLIC SERVICE CORPORATION
KEWAUNEE NUCLEAR POWER PLANT
CARLTON, KEWAUNEE COUNTY, WISCONSIN

INSERVICE INSPECTION ISOMETRIC
REACTOR BUILDING CONTAINMENT VESSEL

DESIGNED BY
WISCONSIN PUBLIC SERVICE CORP.
GREEN BAY, WISCONSIN

DRAWN L.A.H. DATE 11-9-97
SCALE NONE
DWG. NO. M-1727-21
REV. B

CADD

EXAMINATION AREA

REACTOR BUILDING CONTAINMENT VESSEL COMPONENT IDENTIFICATION	PLATE	COMPONENT OR PENETRATION WELD/WELDS	DISSIMILAR METAL WELD	VENT SYSTEM	PENETRATION SLEEVE	SEALS	GASKETS	MOISTURE BARRIER	PRESSURE RETAINING BOLTED CONNECTION	ACCESSIBLE	INSULATED	PAINTED/COATED	COMMENTS
RBCV-LW35	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW36	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW37	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW38	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	IN CONTAINMENT PARTIALLY INACCESSIBLE DUE TO REFUELING TRANSFER CANAL
RBCV-LW39	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW40	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW41	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW42	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW43	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW44	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW45	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW46	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW47	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW48	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW49	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW50	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW51	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW52	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW53	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW54	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW55	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW56	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW57	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW58	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW59	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW60	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW61	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW62	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW63	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW64	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW65	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW66	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW67	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW68	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW69	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW70	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW71	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	

0-1
KAP 00-001322

NOTES:
1. PENETRATION SLEEVE AND WELD LENGTH DIMENSIONS ARE APPROXIMATE. SLEEVES AND WELDS ARE DIFFERENT LENGTHS BASED ON LOCATIONS WITH REFERENCE TO CURVATURE OF CONTAINMENT VESSEL.
2. YES IN PAINTED/COATED SECTION SYMBOLIZES THAT A PORTION OR ENTIRE SURFACE MAY BE PAINTED. SURFACES INCLUDE PLATE, 360° PENETRATION WELD INSIDE ANNULUS OR CONTAINMENT, PENETRATION SLEEVE INSIDE ANNULUS OR CONTAINMENT, ETC.
3. REACTOR BUILDING CONTAINMENT VESSEL COMPONENT IDENTIFICATION FOR PLATE WELDS (RBCV-PLW-), CIRCUMFERENTIAL WELDS (RBCV-CW-), MERIDIONAL WELDS (RBCV-MW-), LONGITUDINAL WELDS (RBCV-LW-) AND PLATE (PLATE-) ARE APPLICABLE FOR BOTH O.D. LOCATION (ANNULUS) AND I.D. LOCATION (CONTAINMENT).

REVISION
FILMED FIRST ISSUE
BY WPS
PER KAP 1322
APP'D: PEB 02-27-98
FILMED:(WPS) 03-10-98
0-1 KAP 00-001322
ADDED COMMENTS
RBCV-LW38
BY: JMS 06-28-00
APP'D:
A KAP 00-001322 COMPL.
SEE REV. 0-1
FILMED:(WPS)

M-1727 SH. 22 OF 34

WISCONSIN PUBLIC SERVICE CORPORATION
KEWAUNEE NUCLEAR POWER PLANT
CARLTON, KEWAUNEE COUNTY, WISCONSIN

INSERVICE INSPECTION ISOMETRIC
REACTOR BUILDING CONTAINMENT VESSEL

DESIGNED BY
WISCONSIN PUBLIC SERVICE CORP.
GREEN BAY, WISCONSIN

DESIGNED | APPROVED
CHECKED | PROJECT APPROVED
DRAWN L.A.H. 11-18-97
SCALE NONE
DWG. NO. M-1727 SH. 22 OF 34
REV. A

CADD

EXAMINATION AREA													
REACTOR BUILDING CONTAINMENT VESSEL COMPONENT IDENTIFICATION	PLATE	COMPONENT OR PENETRATION WELD/WELDS	DISSIMILAR METAL WELD	VENT SYSTEM	PENETRATION SLEEVE	SEALS	GASKETS	MOISTURE BARRIER	PRESSURE RETAINING BOLTED CONNECTION	ACCESSIBLE	INSULATED	PAINTED/COATED	COMMENTS
RBCV-LW72	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW73	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW74	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW75	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW76	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW77	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW78	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW79	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW80	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW81	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW82	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW83	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW84	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW85	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW86	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW87	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW88	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW89	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW90	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW91	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW92	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW93	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW94	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW95	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW96	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW97	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW98	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW99	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW100	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW101	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW102	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW103	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW104	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW105	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW106	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-LW107	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
RBCV-FLW1	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	FLANGE WELD LOCATED AT PENETRATION NO. 42N

NOTES: 1. PENETRATION SLEEVE AND WELD LENGTH DIMENSIONS ARE APPROXIMATE. SLEEVES AND WELDS ARE DIFFERENT LENGTHS BASED ON LOCATIONS WITH REFERENCE TO CURVATURE OF CONTAINMENT VESSEL.

2. YES IN PAINTED/COATED SECTION SYMBOLIZES THAT A PORTION OR ENTIRE SURFACE MAY BE PAINTED. SURFACES INCLUDE PLATE, 360° PENETRATION WELD INSIDE ANNULUS OR CONTAINMENT, PENETRATION SLEEVE INSIDE ANNULUS OR CONTAINMENT, ETC.

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REVISION

FILMED FIRST ISSUE
BY WPS
PER KAP 1322
APP'D: PEB 02-27-98
FILMED(WPS) 03-10-98

M-1727 SH. 23 OF 34

WISCONSIN PUBLIC SERVICE CORPORATION
KEWAUNEE NUCLEAR POWER PLANT
CARLTON, KEWAUNEE COUNTY, WISCONSIN

INSERVICE INSPECTION ISOMETRIC
REACTOR BUILDING CONTAINMENT VESSEL

DESIGNED BY
WISCONSIN PUBLIC SERVICE CORP.
GREEN BAY, WISCONSIN

DRAWN | APPROVED
CHECKED | PROJECT APPROVED

CADD | DRAWN L.A.H. 11-11-97 | SCALE NONE | DWG. NO. M-1727 SH. 23 OF 34 | REV. (-)

EXAMINATION AREA

REACTOR BUILDING CONTAINMENT VESSEL COMPONENT IDENTIFICATION	PLATE	COMPONENT OR PENETRATION WELD/WELDS	DISSIMILAR METAL WELD	VENT SYSTEM	PENETRATION SLEEVE	SEALS	GASKETS	MOISTURE BARRIER	PRESSURE RETAINING BOLTED CONNECTION	ACCESSIBLE	INSULATED	PAINTED/COATED	COMMENTS
RBCV-FLW2	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	FLANGE WELD LOCATED AT PENETRATION NO. 43N
RBCV-FLW3	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	FLANGE WELD LOCATED AT PENETRATION NO. C-10
RBCV-FLW4	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	FLANGE WELD LOCATED AT PENETRATION NO. 18
RBCV-FLW5	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	FLANGE WELD LOCATED AT PENETRATION NO. F-8
RBCV-FLW6	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	FLANGE WELD LOCATED AT PENETRATION NO. 41E
RBCV-FLW7	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	FLANGE WELD LOCATED AT PENETRATION NO. 41S/S
RBCV-BW1	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	SLEEVE TO BELLOWS WELD LOCATED AT PENETRATION NO. 6E
RBCV-BW2	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	SLEEVE TO BELLOWS WELD LOCATED AT PENETRATION NO. 6W
RBCV-BW3	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	SLEEVE TO BELLOWS WELD LOCATED AT PENETRATION NO. 7E
RBCV-BW4	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	SLEEVE TO BELLOWS WELD LOCATED AT PENETRATION NO. 7W
RBCV-BW5	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	SLEEVE TO BELLOWS WELD LOCATED AT PENETRATION NO. 8N
RBCV-BW6	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	SLEEVE TO BELLOWS WELD LOCATED AT PENETRATION NO. 8S
RBCV-BW7	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	SLEEVE TO BELLOWS WELD LOCATED AT PENETRATION NO. 9
RBCV-BW8	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	SLEEVE TO BELLOWS WELD LOCATED AT PENETRATION NO. 10
RBCV-BW9	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	SLEEVE TO BELLOWS WELD LOCATED AT PENETRATION NO. 11
RBCV-BW10	NO	YES	YES	NO	NO	NO	NO	NO	NO	YES	NO	NO	PIPE TO BELLOWS WELD LOCATED AT PENETRATION NO. 18
RBCV-DMW1	NO	YES	YES	NO	NO	NO	NO	NO	NO	YES	NO	YES	DISSIMILAR METAL WELD LOCATED AT PENETRATION NO. 5
RBCV-DMW2	NO	YES	YES	NO	NO	NO	NO	NO	NO	YES	NO	YES	DISSIMILAR METAL WELD LOCATED AT PENETRATION NO. 12
RBCV-DMW3	NO	YES	YES	NO	NO	NO	NO	NO	NO	YES	NO	YES	DISSIMILAR METAL WELD LOCATED AT PENETRATION NO. 13E
RBCV-DMW4	NO	YES	YES	NO	NO	NO	NO	NO	NO	YES	NO	YES	DISSIMILAR METAL WELD LOCATED AT PENETRATION NO. 13N
RBCV-DMW5	NO	YES	YES	NO	NO	NO	NO	NO	NO	YES	NO	YES	DISSIMILAR METAL WELD LOCATED AT PENETRATION NO. 14
RBCV-DMW6	NO	YES	YES	NO	NO	NO	NO	NO	NO	YES	NO	YES	DISSIMILAR METAL WELD LOCATED AT PENETRATION NO. 18. ANNULUS SECTION LOCATED IN BASEMENT BEHIND LOCKED GATE. CONTAINMENT SECTION TIE INTO CONTAINMENT VESSEL INACCESSIBLE LOCATED BEHIND STAINLESS STEEL REFUELING CAVITY LINER.
RBCV-DMW7	NO	YES	YES	NO	NO	NO	NO	NO	NO	YES	NO	YES	DISSIMILAR METAL WELD LOCATED AT PENETRATION NO. 26
RBCV-DMW8	NO	YES	YES	NO	NO	NO	NO	NO	NO	YES	NO	YES	DISSIMILAR METAL WELD LOCATED AT PENETRATION NO. 28E
RBCV-DMW9	NO	YES	YES	NO	NO	NO	NO	NO	NO	YES	NO	YES	DISSIMILAR METAL WELD LOCATED AT PENETRATION NO. 28N
RBCV-DMW10	NO	YES	YES	NO	NO	NO	NO	NO	NO	YES	NO	YES	DISSIMILAR METAL WELD LOCATED AT PENETRATION NO. 29E
RBCV-DMW11	NO	YES	YES	NO	NO	NO	NO	NO	NO	YES	NO	YES	DISSIMILAR METAL WELD LOCATED AT PENETRATION NO. 29N
RBCV-DMW12	NO	YES	YES	NO	NO	NO	NO	NO	NO	YES	NO	YES	DISSIMILAR METAL WELD LOCATED AT PENETRATION NO. 45
RBCV-DMW13	NO	YES	YES	NO	NO	NO	NO	NO	NO	YES	NO	YES	DISSIMILAR METAL WELD LOCATED AT PENETRATION NO. 48
RBCV-DMW14	NO	YES	YES	NO	NO	NO	NO	NO	NO	YES	NO	YES	DISSIMILAR METAL WELD LOCATED AT PENETRATION NO. 49E
RBCV-DMW15	NO	YES	YES	NO	NO	NO	NO	NO	NO	YES	NO	YES	DISSIMILAR METAL WELD LOCATED AT PENETRATION NO. 49N
RBCV-DMW16	NO	YES	YES	NO	NO	NO	NO	NO	NO	YES	NO	YES	DISSIMILAR METAL WELD LOCATED AT PENETRATION NO. 50
RBCV-MW1 THRU RBCV-MW64	NO	YES	NO	NO	NO	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	NO	NO	UNKNOWN	INACCESSIBLE CONCRETE ENCLOSED
RBCV-MW65 THRU RBCV-MW128	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 1 THRU PLATE 61	YES	NO	NO	NO	NO	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	NO	NO	UNKNOWN	INACCESSIBLE CONCRETE ENCLOSED
PLATE 62	YES	NO	NO	NO	NO	NO	NO	YES	NO	YES	NO	YES	PARTIALLY INACCESSIBLE DUE TO REFUELING TRANSFER CANAL AND CONCRETE RING IN ANNULUS
PLATE 63	YES	NO	NO	NO	NO	NO	NO	YES	NO	YES	NO	YES	PARTIALLY INACCESSIBLE DUE TO CONCRETE RING
PLATE 64	YES	NO	NO	NO	NO	NO	NO	YES	NO	YES	NO	YES	PARTIALLY INACCESSIBLE DUE TO CONCRETE RING

NOTES: 1. PENETRATION SLEEVE AND WELD LENGTH DIMENSIONS ARE APPROXIMATE. SLEEVES AND WELDS ARE DIFFERENT LENGTHS BASED ON LOCATIONS WITH REFERENCE TO CURVATURE OF CONTAINMENT VESSEL.

2. YES IN PAINTED/COATED SECTION SYMBOLIZES THAT A PORTION OR ENTIRE SURFACE MAY BE PAINTED. SURFACES INCLUDE PLATE, 360° PENETRATION WELD INSIDE ANNULUS OR CONTAINMENT, PENETRATION SLEEVE INSIDE ANNULUS OR CONTAINMENT, ETC.

3. REACTOR BUILDING CONTAINMENT VESSEL COMPONENT IDENTIFICATION FOR PLATE WELDS (RBCV-PLW-), CIRCUMFERENTIAL WELDS (RBCV-CW-), MERIDIONAL WELDS (RBCV-MW-), LONGITUDINAL WELDS (RBCV-LW-) AND PLATE (PLATE-) ARE APPLICABLE FOR BOTH O.D. LOCATION (ANNULUS) AND I.D. LOCATION (CONTAINMENT).

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WISCONSIN PUBLIC SERVICE CORPORATION
KEWAUNEE NUCLEAR POWER PLANT
CARLTON, KEWAUNEE COUNTY, WISCONSIN

INSERVICE INSPECTION ISOMETRIC REACTOR BUILDING CONTAINMENT VESSEL

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GREEN BAY, WISCONSIN

DRAWN	L.A.H. 11-11-97	DRG. NO. M-1727 SH. 24 OF 34
SCALE	NONE	REV. (-)

CADD

EXAMINATION AREA

REACTOR BUILDING CONTAINMENT VESSEL COMPONENT IDENTIFICATION	PLATE	COMPONENT OR PENETRATION WELD/WELDS	DISSIMILAR METAL WELD	VENT SYSTEM	PENETRATION SLEEVE	SEALS	GASKETS	MOISTURE BARRIER	PRESSURE RETAINING BOLTED CONNECTION	ACCESSIBLE	INSULATED	PAINTED/COATED	COMMENTS
PLATE 65	YES	NO	NO	NO	NO	NO	NO	YES	NO	YES	NO	YES	PARTIALLY INACCESSIBLE DUE TO CONCRETE RING
PLATE 66	YES	NO	NO	NO	NO	NO	NO	YES	NO	YES	NO	YES	PARTIALLY INACCESSIBLE DUE TO CONCRETE RING
PLATE 67	YES	NO	NO	NO	NO	NO	NO	YES	NO	YES	NO	YES	PARTIALLY INACCESSIBLE DUE TO CONCRETE RING
PLATE 68	YES	NO	NO	NO	NO	NO	NO	YES	NO	YES	NO	YES	PARTIALLY INACCESSIBLE DUE TO CONCRETE RING
PLATE 69	YES	NO	NO	NO	NO	NO	NO	YES	NO	YES	NO	YES	PARTIALLY INACCESSIBLE DUE TO CONCRETE RING
PLATE 70	YES	NO	NO	NO	NO	NO	NO	YES	NO	YES	NO	YES	PARTIALLY INACCESSIBLE DUE TO REFUELING TRANSFER CANAL AND CONCRETE RING IN ANNULUS
PLATE 71	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 72	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 73	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 74	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 75	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 76	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 77	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 78	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN ANNULUS DUE TO REFUELING TRANSFER CANAL
PLATE 79	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN ANNULUS DUE TO REFUELING TRANSFER CANAL
PLATE 80	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 81	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 82	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 83	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 84	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 85	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 86	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 87	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 88	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 89	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 90	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 91	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 92	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 93	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 94	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 95	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 96	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 97	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 98	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 99	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 100	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 101	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 102	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	

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REVISION

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M-1727 SH. 25 OF 34

WISCONSIN PUBLIC SERVICE CORPORATION
KEWAUNEE NUCLEAR POWER PLANT
CARLTON, KEWAUNEE COUNTY, WISCONSIN

INSERVICE INSPECTION ISOMETRIC
REACTOR BUILDING CONTAINMENT VESSEL

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SCALE NONE	M-1727 SH. 25 OF 34	(-)	

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EXAMINATION AREA													
REACTOR BUILDING CONTAINMENT VESSEL COMPONENT IDENTIFICATION	PLATE	COMPONENT OR PENETRATION WELD/WELDS	DISSIMILAR METAL WELD	VENT SYSTEM	PENETRATION SLEEVE	SEALS	GASKETS	MOISTURE BARRIER	PRESSURE RETAINING BOLTED CONNECTION	ACCESSIBLE	INSULATED	PAINTED/COATED	COMMENTS
PLATE 103	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 104	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 105	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 106	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 107	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 108	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 109	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 110	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 111	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 112	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 113	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 114	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 115	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 116	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 117	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 118	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 119	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 120	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 121	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 122	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 123	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 124	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 125	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 126	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 127	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 128	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 129	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 130	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 131	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 132	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 133	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 134	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 135	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 136	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 137	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 138	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 139	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 140	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	

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KEWAUNEE NUCLEAR POWER PLANT
CARLTON, KEWAUNEE COUNTY, WISCONSIN

INSERVICE INSPECTION ISOMETRIC
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REV. (-)

EXAMINATION AREA

REACTOR BUILDING CONTAINMENT VESSEL COMPONENT IDENTIFICATION	PLATE	COMPONENT OR PENETRATION WELD/WELDS	DISSIMILAR METAL WELD	VENT SYSTEM	PENETRATION SLEEVE	SEALS	GASKETS	MOISTURE BARRIER	PRESSURE RETAINING BOLTED CONNECTION	ACCESSIBLE	INSULATED	PAINTED/COATED	COMMENTS
PLATE 141	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 142	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 143	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 144	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 145	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 146	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 147	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 148	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 149	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 150	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 151	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 152	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 153	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 154	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 155	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 156	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 157	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 158	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 159	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 160	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 161	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 162	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 163	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 164	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 165	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 166	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 167	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 168	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 169	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 170	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 171	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 172	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 173	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 174	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 175	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 176	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 177	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 178	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	

NOTES:
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INSERVICE INSPECTION ISOMETRIC REACTOR BUILDING CONTAINMENT VESSEL

DESIGNED BY
WISCONSIN PUBLIC SERVICE CORP.
GREEN BAY, WISCONSIN

DRAWN L.A.H. 11-11-97
SCALE NONE
DWG. NO. M-1727 SH. 27 OF 34
REV. (-)

CADD

EXAMINATION AREA													
REACTOR BUILDING CONTAINMENT VESSEL COMPONENT IDENTIFICATION	PLATE	COMPONENT OR PENETRATION WELD/WELDS	DISSIMILAR METAL WELD	VENT SYSTEM	PENETRATION SLEEVE	SEALS	GASKETS	MOISTURE BARRIER	PRESSURE RETAINING BOLTED CONNECTION	ACCESSIBLE	INSULATED	PAINTED/COATED	COMMENTS
PLATE 179	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 180	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 181	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 182	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 183	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 184	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 185	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 186	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 187	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 188	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 189	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 190	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 191	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 192	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 193	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 194	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 195	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 196	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 197	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 198	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 199	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 200	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 201	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 202	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 203	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 204	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 205	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 206	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 207	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 208	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 209	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 210	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 211	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 212	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 213	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 214	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 215	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 216	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	

NOTES: 1. PENETRATION SLEEVE AND WELD LENGTH DIMENSIONS ARE APPROXIMATE. SLEEVES AND WELDS ARE DIFFERENT LENGTHS BASED ON LOCATIONS WITH REFERENCE TO CURVATURE OF CONTAINMENT VESSEL.

2. YES IN PAINTED/COATED SECTION SYMBOLIZES THAT A PORTION OR ENTIRE SURFACE MAY BE PAINTED. SURFACES INCLUDE PLATE, 360° PENETRATION WELD INSIDE ANNULUS OR CONTAINMENT, PENETRATION SLEEVE INSIDE ANNULUS OR CONTAINMENT, ETC.

3. REACTOR BUILDING CONTAINMENT VESSEL COMPONENT IDENTIFICATION FOR PLATE WELDS (RBCV-PLW-), CIRCUMFERENTIAL WELDS (RBCV-CW-), MERIDIONAL WELDS (RBCV-MW-), LONGITUDINAL WELDS (RBCV-LW-) AND PLATE (PLATE-) ARE APPLICABLE FOR BOTH O.D. LOCATION (ANNULUS) AND I.D. LOCATION (CONTAINMENT).

REVISION
FILMED FIRST ISSUE
BY WPS
PER KAP 1322
APP'D: PEB 02-27-98
FILMED(WPS) 03-10-98

M-1727 SH. 28 OF 34

WISCONSIN PUBLIC SERVICE CORPORATION
KEWAUNEE NUCLEAR POWER PLANT
CARLTON, KEWAUNEE COUNTY, WISCONSIN

INSERVICE INSPECTION ISOMETRIC
REACTOR BUILDING CONTAINMENT VESSEL

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DESIGNED | APPROVED
CHECKED | PROJECT APPROVED

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SCALE NONE
DWG. NO. M-1727 SH. 28 OF 34
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EXAMINATION AREA

REACTOR BUILDING CONTAINMENT VESSEL COMPONENT IDENTIFICATION	PLATE	COMPONENT OR PENETRATION WELD/WELDS	DISSIMILAR METAL WELD	VENT SYSTEM	PENETRATION SLEEVE	SEALS	GASKETS	MOISTURE BARRIER	PRESSURE RETAINING BOLTED CONNECTION	ACCESSIBLE	INSULATED	PAINTED/COATED	COMMENTS
PLATE 217	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 218	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 219	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 220	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 221	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 222	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 223	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 224	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 225	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 226	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 227	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 228	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PLATE 229	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PERSONNEL AIRLOCK	NO	YES	NO	NO	NO	YES	YES	NO	YES	YES *	NO	YES	BOLTED CONNECTIONS INCLUDE HANDWHEELS, LATCHES ETC. * REQUIRES PARTIAL REMOVAL OF PERSONNEL AIRLOCK DECK PLATE FOR ACCESS.
PERSONNEL AIRLOCK PA-W1	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PERSONNEL AIRLOCK PA-W2	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PERSONNEL AIRLOCK PA-W3	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES *	NO	YES	* REQUIRES PARTIAL REMOVAL OF PERSONNEL AIRLOCK DECK PLATE FOR ACCESS.
PERSONNEL AIRLOCK PA-W4	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PERSONNEL AIRLOCK PA-W5	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PERSONNEL AIRLOCK PA-W6	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PERSONNEL AIRLOCK PA-W7	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PERSONNEL AIRLOCK PA-W8	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PERSONNEL AIRLOCK PA-W9	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PERSONNEL AIRLOCK PA-W10	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PERSONNEL AIRLOCK PA-W11	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PERSONNEL AIRLOCK PA-W12	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PERSONNEL AIRLOCK PA-W13	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PERSONNEL AIRLOCK PA-W14	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PERSONNEL AIRLOCK PA-W15	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PERSONNEL AIRLOCK PA-W16	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PERSONNEL AIRLOCK PA-W17	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PERSONNEL AIRLOCK PA-W18	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PERSONNEL AIRLOCK PA-W19	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PERSONNEL AIRLOCK PA-W20	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
EQUIPMENT DOOR	NO	YES	NO	NO	YES	NO	YES	NO	YES	YES	NO	YES	
EQUIPMENT DOOR ED-W1	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
EQUIPMENT DOOR ED-W2	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	
EQUIPMENT DOOR ED-W3	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	
EQUIPMENT DOOR ED-W4	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	
EQUIPMENT DOOR ED-W5	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
EQUIPMENT DOOR ED-W6	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
EQUIPMENT DOOR ED-W7	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	

A-1
KAP 01-001639

NOTES: 1. PENETRATION SLEEVE AND WELD LENGTH DIMENSIONS ARE APPROXIMATE. SLEEVES AND WELDS ARE DIFFERENT LENGTHS BASED ON LOCATIONS WITH REFERENCE TO CURVATURE OF CONTAINMENT VESSEL.
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REVISION

FILMED FIRST ISSUE BY WPS PER KAP 1322 APP'D: PEB 02-27-98 FILMED(WPS) 03-10-98

0-1 KAP 97-001322
ADDED AIRLOCK PA-W16, 17, 18, 19 AND 20. BY: SMJ 11-14-01 APP'D:PEB 11-15-01

A KAP 97-001322 COMPL.
SEE REV 0-1. FILMED:(WPS) 11-20-01

A-1 KAP 01-001639
ADDED NOTES WITH * BY PJB 04/22/03 APP'D:

B KAP 01-001639 COMP.
SEE REV. A-1 FILMED:(WPS)

M-1727 SH. 29 OF 34

WISCONSIN PUBLIC SERVICE CORPORATION
KEWAUNEE NUCLEAR POWER PLANT
CARLTON, KEWAUNEE COUNTY, WISCONSIN

INSERVICE INSPECTION ISOMETRIC
REACTOR BUILDING CONTAINMENT VESSEL

DESIGNED BY
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DESIGNED | APPROVED
CHECKED | PROJECT APPROVED

CADD

DRAWN L.A.H. 11-12-97
SCALE NONE

OWG. NO. M-1727 SH. 29 OF 34
REV. B

EXAMINATION AREA

REACTOR BUILDING CONTAINMENT VESSEL COMPONENT IDENTIFICATION	PLATE	COMPONENT OR PENETRATION WELD/WELDS	DISSIMILAR METAL WELD	VENT SYSTEM	PENETRATION SLEEVE	SEALS	GASKETS	MOISTURE BARRIER	PRESSURE RETAINING BOLTED CONNECTION	ACCESSIBLE	INSULATED	PAINTED/COATED	COMMENTS
EQUIPMENT DOOR ED-W8	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
EQUIPMENT DOOR ED-W9	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
EQUIPMENT DOOR ED-W10	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
EQUIPMENT DOOR ED-W11	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
EQUIPMENT DOOR ED-W12	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
EQUIPMENT DOOR ED-W13	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
EQUIPMENT DOOR ED-W14	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
EQUIPMENT DOOR ED-W15	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
EMERGENCY AIRLOCK	NO	YES	NO	NO	NO	YES	YES	NO	YES	YES	NO	YES	BOLTED CONNECTIONS INCLUDE HANDWHEELS, LATCHES ETC.
EMERGENCY AIRLOCK EA-W1	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
EMERGENCY AIRLOCK EA-W2	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
EMERGENCY AIRLOCK EA-W3	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
EMERGENCY AIRLOCK EA-W4	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
EMERGENCY AIRLOCK EA-W5	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
EMERGENCY AIRLOCK EA-W6	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
EMERGENCY AIRLOCK EA-W7	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
REFUELING TRANSFER CANAL	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	EXEMPT FROM THE EXAMINATION. CONCRETE REFUELING TRANSFER CANAL. EXAMINE ATTACHMENT AREA TO REACTOR BUILDING CONTAINMENT VESSEL IN ANNULUS ONLY.
PENETRATION NO. 1	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 2	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 3	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 4	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 5	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 6E	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	YES	YES	
PENETRATION NO. 6W	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	YES	YES	REQUIRES SCAFFOLDING OR LADDER INSIDE CONTAINMENT FOR ACCESS
PENETRATION NO. 7E	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	YES	YES	
PENETRATION NO.7W	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	YES	YES	
PENETRATION NO, 8N	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	YES	YES	
PENETRATION NO. 8S	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	YES	YES	
PENETRATION NO. 9	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	YES	YES	
PENETRATION NO. 10	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	YES	YES	
PENETRATION NO. 11	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	YES	YES	
PENETRATION NO. 12	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 13E	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 13N	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 14	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	

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PER KAP 1322
APP'D: PEB 02-27-98
FILMED: WPSJ 03-10-98

M-1727 SH. 30 OF 34

WISCONSIN PUBLIC SERVICE CORPORATION
KEWAUNEE NUCLEAR POWER PLANT
CARLTON, KEWAUNEE COUNTY, WISCONSIN

INSERVICE INSPECTION ISOMETRIC
REACTOR BUILDING CONTAINMENT VESSEL

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GREEN BAY, WISCONSIN

CADD

DRAWN L.A.H. 9-8-97	DWG. NO. M-1727 SH. 30 OF 34	REV. (-)
SCALE NONE		

EXAMINATION AREA													
REACTOR BUILDING CONTAINMENT VESSEL COMPONENT IDENTIFICATION	PLATE	COMPONENT OR PENETRATION WELD/WELDS	DISSIMILAR METAL WELD	VENT SYSTEM	PENETRATION SLEEVE	SEALS	GASKETS	MOISTURE BARRIER	PRESSURE RETAINING BOLTED CONNECTION	ACCESSIBLE	INSULATED	PAINTED/COATED	COMMENTS
PENETRATION NO. 15	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	REQUIRES SCAFFOLDING OR LADDER INSIDE CONTAINMENT FOR ACCESS
PENETRATION NO. 16	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	REQUIRES SCAFFOLDING OR LADDER INSIDE CONTAINMENT FOR ACCESS
PENETRATION NO. 17	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	REQUIRES SCAFFOLDING OR LADDER INSIDE CONTAINMENT FOR ACCESS
PENETRATION NO. 18	NO	YES	NO	NO	NO	NO	YES	NO	YES	YES	NO	YES	ANNULUS SECTION LOCATED BEHIND LOCKED GATE IN TRANSFER CANAL BASEMENT OF ANNULUS. CONTAINMENT SECTION TIE IN TO CONTAINMENT VESSEL INACCESSIBLE LOCATED BEHIND STAINLESS STEEL REFUELING CAVITY LINER. BOLTED FLANGE AND FLANGE WELD ACCESSIBLE IN REFUELING TRANSFER CANAL.
PENETRATION NO. 19	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 20	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 21	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 22	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	REQUIRES SCAFFOLDING OR LADDER INSIDE CONTAINMENT FOR ACCESS
PENETRATION NO. 23	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	REQUIRES SCAFFOLDING OR LADDER INSIDE CONTAINMENT FOR ACCESS
PENETRATION NO. 24	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	YES	YES	
PENETRATION NO. 25N	NO	YES	NO	YES	NO	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 25S	NO	YES	NO	YES	NO	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 26	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 27E	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 27EN	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 27N	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 27NE	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 27NW	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 28E	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 28N	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 29E	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 29N	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 30E	NO	UNKNOWN	NO	NO	YES	UNKNOWN	UNKNOWN	NO	UNKNOWN	NO	UNKNOWN	UNKNOWN	INACCESSIBLE CONCRETE ENCLOSED
PENETRATION NO. 30W	NO	UNKNOWN	NO	NO	YES	UNKNOWN	UNKNOWN	NO.	UNKNOWN	NO	UNKNOWN	UNKNOWN	INACCESSIBLE CONCRETE ENCLOSED
PENETRATION NO. 31	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 32E	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 32N	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 33E	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 33N	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 35	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 36N	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 36NW	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	REQUIRES SCAFFOLDING OR LADDER INSIDE CONTAINMENT FOR ACCESS
PENETRATION NO. 36S	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 36SE	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 36W	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	REQUIRES SCAFFOLDING OR LADDER INSIDE CONTAINMENT FOR ACCESS
PENETRATION NO. 37EN	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	YES	YES	
PENETRATION NO. 37ES	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	YES	YES	

0-1
KAP 00-001322

0-1
KAP 00-001322

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APP'D: PEB 02-27-98
FILMED: (WPS) 03-10-98

0-1 KAP 00-001322
REMOVED COMMENTS
PENS NO. 37EN & 37ES
BY: JMS 06-28-00
APP'D: [illegible]

A KAP 00-001322 COMPL.
SEE REV. 0-1
FILMED: (WPS) [illegible]

M-1727 SH. 31 OF 34

WISCONSIN PUBLIC SERVICE CORPORATION
KEWAUNEE NUCLEAR POWER PLANT
CARLTON, KEWAUNEE COUNTY, WISCONSIN

INSERVICE INSPECTION ISOMETRIC
REACTOR BUILDING CONTAINMENT VESSEL

DESIGNED BY
WISCONSIN PUBLIC SERVICE CORP.
GREEN BAY, WISCONSIN

DESIGNED | APPROVED
CHECKED | PROJECT APPROVED

CADD | DRAWN L.A.H. 12-11-97 | SCALE NONE | DWG. NO. M-1727 SH. 31 OF 34 | REV. A

EXAMINATION AREA

REACTOR BUILDING CONTAINMENT VESSEL COMPONENT IDENTIFICATION	PLATE	COMPONENT OR PENETRATION WELD/WELDS	DISSIMILAR METAL WELD	VENT SYSTEM	PENETRATION SLEEVE	SEALS	GASKETS	MOISTURE BARRIER	PRESSURE RETAINING BOLTED CONNECTION	ACCESSIBLE	INSULATED	PAINTED/COATED	COMMENTS
PENETRATION NO. 37NE	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	YES	YES	
PENETRATION NO. 37NW	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	YES	YES	
PENETRATION NO. 38EN	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	YES	YES	
PENETRATION NO. 38ES	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	YES	YES	
PENETRATION NO. 38NE	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	YES	YES	
PENETRATION NO. 38NW	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	YES	YES	
PENETRATION NO.39	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 40	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 41E	NO	YES	NO	YES	NO	NO	YES (14 O RINGS)	NO	YES	YES	NO	YES	REQUIRES SCAFFOLDING OR LADDER INSIDE CONTAINMENT FOR ACCESS
PENETRATION NO. 41ES	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	REQUIRES SCAFFOLDING INSIDE CONTAINMENT FOR ACCESS
PENETRATION NO. 41S/S	NO	YES	NO	YES	NO	NO	YES (14 O RINGS)	NO	YES	YES	NO	YES	REQUIRES SCAFFOLDING INSIDE CONTAINMENT FOR ACCESS
PENETRATION NO. 42E	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 42EN	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 42N	NO	YES	NO	NO	YES	NO	YES	NO	YES	YES	NO	YES	
PENETRATION NO. 42NE	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 42NW	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	REQUIRES SCAFFOLDING OR LADDER INSIDE CONTAINMENT FOR ACCESS
PENETRATION NO. 42S	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 42W	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	REQUIRES SCAFFOLDING OR LADDER INSIDE CONTAINMENT FOR ACCESS
PENETRATION NO. 43N	NO	YES	NO	NO	YES	NO	YES	NO	YES	YES	NO	YES	
PENETRATION NO. 43S	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 43SE	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 44	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 45	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 46E	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 46W	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 48	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 49E	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. 49N	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	UNUSED PENETRATION. PENETRATION SLEEVE ONLY
PENETRATION NO. 50	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	UNUSED PENETRATION. PENETRATION SLEEVE ONLY
PENETRATION NO. 51	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	DOES NOT PENETRATE CONTAINMENT VESSEL PENETRATES SHIELD BUILDING ONLY
PENETRATION NO. 52	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	DOES NOT PENETRATE CONTAINMENT VESSEL PENETRATES SHIELD BUILDING ONLY
PENETRATION NO. 53	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	DOES NOT PENETRATE CONTAINMENT VESSEL PENETRATES SHIELD BUILDING ONLY
PENETRATION NO. 54	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	DOES NOT PENETRATE CONTAINMENT VESSEL PENETRATES SHIELD BUILDING ONLY
PENETRATION NO. 55	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	DOES NOT PENETRATE CONTAINMENT VESSEL PENETRATES SHIELD BUILDING ONLY
PENETRATION NO. 56	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	DOES NOT PENETRATE CONTAINMENT VESSEL PENETRATES SHIELD BUILDING ONLY
PENETRATION NO. 57	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	DOES NOT PENETRATE CONTAINMENT VESSEL PENETRATES SHIELD BUILDING ONLY
PENETRATION NO. 58	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	DOES NOT PENETRATE CONTAINMENT VESSEL PENETRATES SHIELD BUILDING ONLY

A-1
KAP 97-001322

NOTES: 1. PENETRATION SLEEVE AND WELD LENGTH DIMENSIONS ARE APPROXIMATE. SLEEVES AND WELDS ARE DIFFERENT LENGTHS BASED ON LOCATIONS WITH REFERENCE TO CURVATURE OF CONTAINMENT VESSEL.

2. YES IN PAINTED/COATED SECTION SYMBOLIZES THAT A PORTION OR ENTIRE SURFACE MAY BE PAINTED. SURFACES INCLUDE PLATE, 360° PENETRATION WELD INSIDE ANNULUS OR CONTAINMENT, PENETRATION SLEEVE INSIDE ANNULUS OR CONTAINMENT, ETC.

3. REACTOR BUILDING CONTAINMENT VESSEL COMPONENT IDENTIFICATION FOR PLATE WELDS (RBCV-PLW-), CIRCUMFERENTIAL WELDS (RBCV-CW-), MERIDIONAL WELDS (RBCV-MW-), LONGITUDINAL WELDS (RBCV-LW-) AND PLATE (PLATE-) ARE APPLICABLE FOR BOTH O.D. LOCATION (ANNULUS) AND I.D. LOCATION (CONTAINMENT).

REVISION

FILMED FIRST ISSUE BY WPS PER KAP 1322 APP'D: PEB 02-27-98 FILMED: WPS 03-10-98

0-1 KAP 00-001322 REMOVED COMMENTS PENETRATION NO.'S 37NE, 37NW, 38EN, 38ES, 38NE & 38 NW BY: JMS 06-28-00 APP'D: DAK 07/07/00

A KAP 00-001322 COMPL. SEE REV. 0-1 FILMED: WPS 07/11/00

A-1 KAP 97-001322 REVISED O RINGS TO 4 QTY. ON PENETRATION NO. 41E & 41S/S. BY: SMJ 11-14-01 APP'D: PEB 11-15-01

B KAP 97-001322 COMPL. SEE REV. A-1 FILMED: WPS 11-20-01

M-1727 SH. 32 OF 34

WISCONSIN PUBLIC SERVICE CORPORATION
KEWAUNEE NUCLEAR POWER PLANT
CARLTON, KEWAUNEE COUNTY, WISCONSIN

INSERVICE INSPECTION ISOMETRIC
REACTOR BUILDING CONTAINMENT VESSEL

DESIGNED BY
WISCONSIN PUBLIC SERVICE CORP.
GREEN BAY, WISCONSIN

DESIGNED | APPROVED
CHECKED | PROJECT APPROVED
DRAWN L.A.H. 11-9-97
SCALE NONE
DWG. NO. M-1727 SH. 32 OF 34
REV. B

CADD

REVISION
FILMED FIRST ISSUE BY WPS PER KAP 1322 APP'D: PEB 02-27-98 FILMED: (WPS) 03-10-98

EXAMINATION AREA													
REACTOR BUILDING CONTAINMENT VESSEL COMPONENT IDENTIFICATION	PLATE	COMPONENT OR PENETRATION WELD/WELDS	DISSIMILAR METAL WELD	VENT SYSTEM	PENETRATION SLEEVE	SEALS	GASKETS	MOISTURE BARRIER	PRESSURE RETAINING BOLTED CONNECTION	ACCESSIBLE	INSULATED	PAINTED/COATED	COMMENTS
PENETRATION NO. 65	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	DOES NOT PENETRATE CONTAINMENT VESSEL PENETRATES SHIELD BUILDING ONLY
PENETRATION NO. 66	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	DOES NOT PENETRATE CONTAINMENT VESSEL PENETRATES SHIELD BUILDING ONLY
PENETRATION NO. 67	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	DOES NOT PENETRATE CONTAINMENT VESSEL PENETRATES SHIELD BUILDING ONLY
PENETRATION NO. 68	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	DOES NOT PENETRATE CONTAINMENT VESSEL PENETRATES SHIELD BUILDING ONLY
PENETRATION NO. A-1	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT "BOLTED" ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. A-2	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT "BOLTED" ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. A-3	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT "BOLTED" ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. A-4	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT "BOLTED" ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. A-5	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT "BOLTED" ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. A-6	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT "BOLTED" ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. A-7	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT "BOLTED" ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. A-8	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT "BOLTED" ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. A-9	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT "BOLTED" ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. A-10	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT "BOLTED" ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. A-11	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT "BOLTED" ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. A-12	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT "BOLTED" ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. B-1	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT "BOLTED" ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. B-2	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT "BOLTED" ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. B-3	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT "BOLTED" ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. B-4	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT "BOLTED" ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. B-5	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT "BOLTED" ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. B-6	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT "BOLTED" ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. B-7	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. B-8	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. B-9	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT "BOLTED" ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. B-10	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. B-11	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. B-12	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. C-1	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. C-2	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. C-3	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT "BOLTED" ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. C-4	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. C-5	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. C-6	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT "BOLTED" ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. C-7	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. C-8	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. C-9	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. C-10	NO	YES	NO	NO	YES	NO	YES (2 O RINGS)	NO	YES	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS

NOTES: 1. PENETRATION SLEEVE AND WELD LENGTH DIMENSIONS ARE APPROXIMATE. SLEEVES AND WELDS ARE DIFFERENT LENGTHS BASED ON LOCATIONS WITH REFERENCE TO CURVATURE OF CONTAINMENT VESSEL.

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3. REACTOR BUILDING CONTAINMENT VESSEL COMPONENT IDENTIFICATION FOR PLATE WELDS (RBCV-PLW-), CIRCUMFERENTIAL WELDS (RBCV-CW-), MERIDIONAL WELDS (RBCV-MW-), LONGITUDINAL WELDS (RBCV-LW-) AND PLATE (PLATE-) ARE APPLICABLE FOR BOTH O.D. LOCATION (ANNULUS) AND I.D. LOCATION (CONTAINMENT).

M-1727 SH. 33 OF 34

WISCONSIN PUBLIC SERVICE CORPORATION
KEWAUNEE NUCLEAR POWER PLANT
CARLTON, KEWAUNEE COUNTY, WISCONSIN

INSERVICE INSPECTION ISOMETRIC
REACTOR BUILDING CONTAINMENT VESSEL

DESIGNED BY
WISCONSIN PUBLIC SERVICE CORP.
GREEN BAY, WISCONSIN

DRAWN			
CHECKED		PROJECT APPROVED	
DATE: L.A.H. 11-11-97		DWG. NO.	REV.
SCALE: NONE		M-1727 SH. 33 OF 34	(-)

CADD

EXAMINATION AREA													
REACTOR BUILDING CONTAINMENT VESSEL COMPONENT IDENTIFICATION	PLATE	COMPONENT OR PENETRATION WELD/WELDS	DISSIMILAR METAL WELD	VENT SYSTEM	PENETRATION SLEEVE	SEALS	GASKETS	MOISTURE BARRIER	PRESSURE RETAINING BOLTED CONNECTION	ACCESSIBLE	INSULATED	PAINTED/COATED	COMMENTS
PENETRATION NO. C-11	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. C-12	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. D-1	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT "BOLTED" ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. D-2	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. D-3	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. D-4	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. D-5	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. D-6	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. D-7	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. D-8	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. D-9	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. D-10	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. D-11	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. D-12	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. E-1	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. E-2	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. E-3	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT "BOLTED" ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. E-4	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. E-5	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. E-6	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT "BOLTED" ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. E-7	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. E-8	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. E-9	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. E-10	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. E-11	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. E-12	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	
PENETRATION NO. F-1	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT "BOLTED" ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. F-2	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT "BOLTED" ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. F-3	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT "BOLTED" ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. F-4	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT "BOLTED" ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. F-5	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT "BOLTED" ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. F-6	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT "BOLTED" ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. F-7	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT "BOLTED" ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. F-8	NO	YES	NO	NO	YES	NO	YES (2 O RINGS)	NO	YES	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT "BOLTED" ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. F-9	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT "BOLTED" ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. F-10	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT "BOLTED" ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. F-11	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT "BOLTED" ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS
PENETRATION NO. F-12	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	NO	YES	PARTIALLY INACCESSIBLE IN CONTAINMENT "BOLTED" ELECTRICAL CABINETS DUE TO TERMINAL BLOCKS

NOTES:
1. PENETRATION SLEEVE AND WELD LENGTH DIMENSIONS ARE APPROXIMATE. SLEEVES AND WELDS ARE DIFFERENT LENGTHS BASED ON LOCATIONS WITH REFERENCE TO CURVATURE OF CONTAINMENT VESSEL.
2. YES IN PAINTED/COATED SECTION SYMBOLIZES THAT A PORTION OR ENTIRE SURFACE MAY BE PAINTED. SURFACES INCLUDE PLATE, 360° PENETRATION WELD INSIDE ANNULUS OR CONTAINMENT, PENETRATION SLEEVE INSIDE ANNULUS OR CONTAINMENT, ETC.
3. REACTOR BUILDING CONTAINMENT VESSEL COMPONENT IDENTIFICATION FOR PLATE WELDS (RBCV-PLW-), CIRCUMFERENTIAL WELDS (RBCV-CW-), MERIDIONAL WELDS (RBCV-MW-), LONGITUDINAL WELDS (RBCV-LW-) AND PLATE (PLATE-) ARE APPLICABLE FOR BOTH O.D. LOCATION (ANNULUS) AND I.D. LOCATION (CONTAINMENT).

REVISION
FILMED FIRST ISSUE BY WPS PER KAP 1322 APP'D: PEB 02-27-98 FILMED: WPS 03-10-98

M-1727 SH. 34 OF 34

WISCONSIN PUBLIC SERVICE CORPORATION
KEWAUNEE NUCLEAR POWER PLANT
CARLTON, KEWAUNEE COUNTY, WISCONSIN

INSERVICE INSPECTION ISOMETRIC
REACTOR BUILDING CONTAINMENT VESSEL

DESIGNED BY
WISCONSIN PUBLIC SERVICE CORP.
GREEN BAY, WISCONSIN

DRAWN: L.A.H. 11-11-97
SCALE: NONE
DWG. NO. M-1727 SH. 34 OF 34
REV. (-)

CADD

APPENDIX B

CALIBRATION BLOCKS

Calibration Blocks for the Second 10-Year Inservice Inspection (ISI) Interval 2006-2016 ASME Boiler and Pressure Vessel Code Section XI Class MC Program will be:

1. **WPS-52: 1.5"T x 9.0"L x 2.0"W A516 Grade 70 Carbon Steel for Reactor Vessel Containment Vessel.**

2. **As applicable, Calibration Blocks used for the 4th 10-Year Inservice Inspection (ISI) Interval ASME Boiler and Pressure Vessel Code Section XI Class 1, Class 2, and Class 3 Program.**

Certifications for these Calibration Blocks are on file at the Kewaunee Power Station.

The attached Calibration Block Table provides a summary of these Calibration Blocks.

Appendix B

Calibration Blocks

KEWAUNEE POWER STATION CALIBRATION BLOCKS				
IDENTITY	SIZE/SCHEDULE	IDENTITY OR HEAT NUMBER	MATERIAL	COMPONENT/SYSTEM
WPS-1	2.375"T x 7.9375"L x 8.125W	B2836	A351 Grade CF8A	---
WPS-3	28" - .858"T	802E03230	A516 Grade 70 Carbon Steel	28" - .858"T Piping
WPS-4	24" SCH 80 1.219"T	N13070	A106 Grade B Carbon Steel	24" SCH 80 Main Steam Piping
WPS-5	14" SCH 140 1.250"T	2637-4-2	A376 TP316 Stainless Steel	14" SCH 140 Pressurizer Surge Nozzle
WPS-6	16" SCH 140 1.438"T	N92392	A106 Grade B Carbon Steel	16" SCH 140 Feedwater Piping
WPS-7	12" SCH 160 1.312"T	2872-8	A376 TP316 Stainless Steel	12" SCH 160 Accumulator Discharge Piping
WPS-8	12" SCH 40 .406"T	2808-4-1-2	A312 TP304 Stainless Steel	12" SCH 40 RHR Piping
WPS-9	10" SCH 40S .365"T	1971-12-1-2	A312 TP304 Stainless Steel	10" SCH 40S RHR Piping
WPS-10	10" SCH 140 1.00"T	D61232	A312 TP304 Stainless Steel	10" SCH 140 RHR Return and Pressurizer Surge Piping: Charging Pump Pulsation Dampener and Seal Water Injection Filter
WPS-11	8" SCH 140 .812"T	2876-1-1	A376 TP316 Stainless Steel	8" SCH 140 RHR Piping
WPS-12	8" SCH 40S .322"T	M0937	A312 TP316 Stainless Steel	8" SCH 40S RHR and SIS Piping
WPS-13	8" SCH 80 .500"T	139624	A106 Grade B Carbon Steel	8" SCH 80 Main Steam Piping
WPS-14	8" SCH 100 .594"T	64078	A106 Grade B Carbon Steel	8" SCH 100 Feedwater Piping

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Calibration Blocks

KEWAUNEE POWER STATION CALIBRATION BLOCKS				
IDENTITY	SIZE/SCHEDULE	IDENTITY OR HEAT NUMBER	MATERIAL	COMPONENT/SYSTEM
WPS-15	6" SCH 40 .280"T	M9959	A312 TP304 Stainless Steel	6" SCH 40S RHR, SIS and Containment Spray Piping
WPS-16	6" SCH 80 .432"T	240393	A106 Grade B Carbon Steel	6" SCH 80 Main Steam Piping
WPS-17	6" SCH 160 .719"T	2631-4-2	A376 TP316 Stainless Steel	6" SCH 160 SIS, Plocap, Pressurizer Safety Piping, Pressurizer Safety Nozzles and Pressurizer Relief Nozzle
WPS-18	4" SCH 160 .531"T	M9290	A376 TP316 Stainless Steel	4" SCH 160 SIS and Pressurizer Spray Nozzle
WPS-19	4" SCH 120 .438"T	M6108	A376 TP316 Stainless Steel	4" SCH 120 Piping
WPS-20	3" SCH 160 .438"T	453853	A376 TP316 Stainless Steel	3" SCH 160 RTD, Pressurizer Relief and Pressurizer Spray Piping
WPS-21	2" SCH 160 .344"T	08754	A312 TP304 Stainless Steel	2" SCH 160 RTD, SIS, Drain, Seal Injection, Charging, Letdown and Auxiliary Spray Piping
WPS-22	1.5" SCH 160 .281"T	87623	A312 TP316H Stainless Steel	1.5" SCH 160 Seal Injection Piping
WPS-23	5"T x 18"L x 5"W	C0123-2	SA533 Grade B Class 1 Carbon Steel	Pressurizer and Steam Generator Channel Head to Tube Sheet
WPS-24	.312"T x 9"L x 2.5"W	F80085	SA240 TP304 Stainless Steel	Volume Control Tank
WPS-25	14" SCH 40S .375"T	F70623	A358 Class 2 TP304 Stainless Steel	Letdown Heat Exchanger

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Calibration Blocks

KEWAUNEE POWER STATION CALIBRATION BLOCKS				
IDENTITY	SIZE/SCHEDULE	IDENTITY OR HEAT NUMBER	MATERIAL	COMPONENT/SYSTEM
WPS-26	1.5"T x 13"L x 2.5"W	B6272	SA516 Grade 70 Carbon Steel	Pressurizer Skirt, 31" Main Steam Piping and 30" Main Steam Tee
WPS-27	9.5" - .875"T	155512	A351 CF8	Regenerative Heat Exchanger
WPS-29	7"T x 5.75" Diameter Stud Segment	P3199	SA540 001-7	---
WPS-30	.5"T x 9"L x 2.5"W	F80085	SA240 TP304 Stainless Steel	Residual Heat Exchanger
WPS-31	10" SCH 120 .843"T	6-448	A312 TP304 Stainless Steel	10" SCH 120 Piping
WPS-32	16" SCH 100 1.031"T	89A410	A106 Grade B Carbon Steel	16" SCH 100 Feedwater Piping
WPS-33	16" SCH 120 1.219"T	42794	SA333 Grade 6 Carbon Steel	16" SCH 120 Piping
WPS-34	14" SCH 60 .594"T	N33188	SA106 Grade B Carbon Steel	14" SCH 60 Piping
WPS-35	6"T x 20"L x 6"W	125J596VAL	SA508 Class 2 Carbon Steel	Reactor Vessel Ligaments (Manual)
WPS-36	3.5"T x 18.25"L x 6"W	C5128	SA533 Class 1 Carbon Steel	Steam Generator Secondary Side: Steam Generator Main Steam Nozzle Inside Radius Corner
WPS-37	30" - 1.10"T	3G5682	SA515 Grade 70 Class 1 Carbon Steel	30" Main Steam Piping

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Calibration Blocks

KEWAUNEE POWER STATION CALIBRATION BLOCKS				
IDENTITY	SIZE/SCHEDULE	IDENTITY OR HEAT NUMBER	MATERIAL	COMPONENT/SYSTEM
WPS-38	16" SCH 60 .656"T	94558	A106 Grade B Carbon Steel	16" SCH 60 Feedwater Piping
WPS-39	32" - 2.3"T	125J596VAL	SA508 Class 2 Carbon Steel	32" - 2.3" T Main Steam Nozzles
WPS-40	5.75" Dia. x 56.625"L	15045	SA540 Grade B24 Carbon Steel	Reactor Vessel Closure Head Studs
WPS-41	4.50" Dia. x 30.50"L	3P4028	SA540-68A Grade B24-Carbon Steel	Reactor Coolant Pump Main Flange Bolts
WPS-42	16" Feedwater Nozzle Forging	Q2Q149NQT Q2Q150NQT	SA508 Class 2A Carbon Steel	Steam Generator Feedwater Nozzle Inner Radius
WPS-RV-1	16"T&L x 31"L&T x 8.625"W	22231/39088	SA508 Class 3 Carbon Steel	Reactor Vessel Flange to Vessel from Seal Surface and Reactor Vessel Nozzle to Shell from Nozzle Bore
WPS-RV-2 (Modified 02/14/95)	9"T x 32"L x 6"W	125J596VAL	SA508 Class 2 Carbon Steel	Reactor Vessel Flange to Vessel (I.D.), Reactor Vessel Integrally Welded Attachments and Reactor Vessel Nozzle to Shell from Vessel Shell

Appendix B

Calibration Blocks

KEWAUNEE POWER STATION CALIBRATION BLOCKS				
IDENTITY	SIZE/SCHEDULE	IDENTITY OR HEAT NUMBER	MATERIAL	COMPONENT/SYSTEM
WPS-RV-3	7"T x 28"L x 6"W	125J596VAL	SA508 Class 2 Carbon Steel	Reactor Vessel Nozzle Inside Radius Section, Reactor Vessel Upper Shell and Reactor Vessel Intermediate Shell
WPS-RV-4	5"T x 18"L x 6"W	125J596VAL	SA508 Class 2 Carbon Steel	Reactor Vessel Flange Ligaments, Reactor Vessel Lower Head and Reactor Vessel Ring to Disc.
WPS-SIS-01 (Lost by WNSD 08/10/94)	6"T x 15"L x 4"W	125J596VAL	SA508 Class 2 Carbon Steel	Reactor Vessel SIS Nozzle to Shell and Reactor Vessel SIS Nozzle Inside Radius Section
WPS-RV-Safe-3 (Modified 02/14/95)	2.5"T x 12.5"L x 4"W	4952/P53627	SA508 Class 2 Carbon Steel/SA182 TP316 Stainless Steel	Reactor Vessel Nozzle to Safe-Ends and Bore Portion of Nozzle Inner Radius
WPS-43 (Modified 02/14/95)	3.02"T x 12.0"L x 12.0"W	C1488	A351 Grade CF8M	Reactor Coolant Circumferential Piping: Reactor Vessel Nozzle to Safe-ends
WPS-44	3.18"T x 12.0"L x 12.0"W	5160C-1	SA351 Grade CF8A	Reactor Coolant Longitudinal Piping Seams
WPS-45	19.25"H x 11.65"L x 5.72" W	280593	SA216-92 Grade WCC Carbon Steel	4" Pressurizer Spray Nozzle Inside Radius Section

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Calibration Blocks

KEWAUNEE POWER STATION CALIBRATION BLOCKS				
IDENTITY	SIZE/SCHEDULE	IDENTITY OR HEAT NUMBER	MATERIAL	COMPONENT/SYSTEM
WPS-46	8.375"H x 11.125"L x 7.68"W	280593	SA216-92 Grade WCC Carbon Steel	14" Pressurizer Surge, 6" Pressurizer Safety and 6" Pressurizer Relief Nozzle Inside Radius Section
WPS-47	15.9375" OD x 10.125"ID x 2.9"T	502979	A182 F316 Stainless Steel	Reactor Coolant Pipe 12" Branch Connection Nozzle
WPS-48	14.125" OD x 8.75" ID x 2.69"T	502979	A182 F316 Stainless Steel	Reactor Coolant Pipe 10" Branch Connection Nozzle
WPS-49	11.5625" OD x 7.0"ID x 2.34"T	502979	A182 F316 Stainless Steel	Reactor Coolant Pipe 8" Branch Connection Nozzle
WPS-50	9.1875" OD x 5.25" ID x 2.0" T	502979	A182 F316 Stainless Steel	Reactor Coolant Pipe 6" Branch Connection Nozzle
WPS-51	6" SCH 80S	51069	A312 TP304 Stainless Steel	6" SCH 80S Containment Spray Piping
WPS-52	1.5"T x 9.0"L x 2.0"W	803N6600	A516 Grade 70 Carbon Steel	Reactor Building Containment Vessel
WPS-53	3.15"T x 13.82"L x 7.59"W	86616/3	SA533 Class 2 Type B Carbon Steel	Replacement Steam Generator Secondary Side
WPS-54	5.0"T x 18.50"L x 7.51"W	513150-000	SA508 Class 3A Carbon Steel	Replacement Steam Generator Channel Head To Tubesheet

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Calibration Blocks

KEWAUNEE POWER STATION CALIBRATION BLOCKS				
IDENTITY	SIZE/SCHEDULE	IDENTITY OR HEAT NUMBER	MATERIAL	COMPONENT/SYSTEM
WPS-54	5.0"T x 18.50"L x 7.51"W	513150-000	SA508 Class 3A Carbon Steel	Replacement Steam Generator Channel Head To Tubesheet
WPS-55	3.27"T x 15.74"H x 19.68"W	513150-000/IH738	SA508 Class 3A/ SA336 Grade 316LN	Replacement Steam Generator Primary Side Nozzle Inside Radius Section
WPS-56	16" 0.900"T	L42225	A106 Grade B Carbon Steel	Replacement Steam Generator Feedwater Nozzle To Pipe
WPS-57	3.28"T x 5.669"H x 19.68"W	513150-000/IH738	SA508 Class 3A/ SA336 Grade 316LN	Replacement Steam Generator Primary Nozzle To Safe End
WPS-58	19" - 1.380"T	310WNH7	SA508 Class 3A Carbon Steel	Steam Generator Feedwater Nozzle To Nozzle
WPS-59	3" SCH 160 0.438"T	A62020	A106 Grade B/C Carbon Steel	3" SCH 160 Auxiliary Feedwater Piping
WPS-60	3" SCH 80 0.300"T	A62385	A106 Grade B Carbon Steel	3" SCH 80 Auxiliary Feedwater Piping
WPS-61	4" SCH 80 0.337"T		SA333 Carbon Steel	4" SCH 80 Auxiliary Feedwater Piping
WPS-62	12" SCH 40S 0.375"T		A358 TP304 Stainless Steel	12" SCH 40S Containment Spray Piping
WPS-63	2" – 3000 lb Coupling	EDN	SA182 SF304 Stainless Steel	Accumulator Tank 1A and 1B 2", 1" and 3/4" Coupling

Appendix B

Calibration Blocks

KEWAUNEE POWER STATION CALIBRATION BLOCKS				
IDENTITY	SIZE/SCHEDULE	IDENTITY OR HEAT NUMBER	MATERIAL	COMPONENT/SYSTEM
WPS-64	2" – 3000 lb Coupling	EDN	SA182 SF304 Stainless Steel	Accumulator Tank 1A and 1B 2", 1" and 3/4" Coupling
WPS-65	16" SCH 10 0.250"T	732253	A312 TP304 Stainless Steel	16" SCH 10S Safety Injection Piping
WPS-66	12" SCH 10S 0.180"T	732396	A312 TP304 Stainless Steel	12" SCH 10S Safety Injection Piping
WPS-67 (UGG-CB-025)	4.0" – 0.625"T	Q3NK03 1/ ONNC9508/ D272007A02-5	SA182 Grade F316 Stainless Steel to SB-167 Alloy 690	Replacement Reactor Vessel Closure Head Full Length Control Rod Drive Mechanism Latch Housing and Adaptor, Spare Control Rod Drive Mechanism and Core Exit Thermal Nozzle Assembly
WPS-68 (UGG-CB-026)	4.0" – 0.625"T	Q3NK03 1/ ONNC9508/ D272007A02-5	SA182 Grade F316 Stainless Steel to SB-167 Alloy 690	Replacement Reactor Vessel Closure Head Full Length Control Rod Drive Mechanism Latch Housing and Adaptor, Spare Control Rod Drive Mechanism and Core Exit Thermal Nozzle Assembly
WPS-69 (UGG-CB-023)	4.0" – 0.625"T	NKM 805 36	SA182 Grade F316 Stainless Steel	Replacement Reactor Vessel Closure Head Spare Control Rod Drive Mechanism
WPS-70 (UGG-CB-024)	4.0" – 0.625"T	NKM 805 36	SA182 Grade F316 Stainless Steel	Replacement Reactor Vessel Closure Head Spare Control Rod Drive Mechanism

Appendix B

Calibration Blocks

KEWAUNEE POWER STATION CALIBRATION BLOCKS				
IDENTITY	**SIZE/SCHEDULE**	**IDENTITY OR HEAT NUMBER**	**MATERIAL**	**COMPONENT/SYSTEM**
WPS-71 (UGG-CB-022)	7.385" – 0.590"T	NKM 806 37	SA182 Grade F316 Stainless Steel	Replacement Reactor Vessel Closure Head Full Length Control Rod Drive Mechanism Rod Travel Housing and Latch Housing
WPS-SIS-01-R1	6"T x 13"L x 4"W	123J414	A508 Class 2 Carbon Steel	Reactor Vessel SIS Nozzle to Shell and Reactor Vessel SIS Nozzle Inside Radius Section

APPENDIX C

PROCEDURES

The following procedures will be utilized to implement the Second 10-Year Inservice Inspection (ISI) Interval 2006-2016 ASME Boiler and Pressure Vessel Code Section XI Class MC Program:

1. **SP 55-318: Reactor Building Containment Vessel Ten Year Inservice Inspection Requirements**

2. **GNP-01.05.02: Reactor Building Containment Vessel Indication Evaluation For Inservice Inspection**

3. **NAD - 01.05: Inservice Inspection Program Implementation**

4. **NAD-05.11: Revision and Control of the ISI Plan**

5. **NEP- 15.35: Ultrasonic Thickness Measurement of Reactor Building Containment Vessel for Inservice Inspection**

6. **NEP-15.36: Visual Examination of Reactor Building Containment Vessel For Inservice Inspection**