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919-362-3140

10 CFR 50.55a

OCT 23 2017

Serial: HNP-17-025

ATTN: Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

Shearon Harris Nuclear Power Plant, Unit 1  
Docket No. 50-400/Renewed License No. NPF-63

Subject: Fourth Interval Inservice Inspection Plan, Third Interval Containment Inservice Inspection Plan, and Fourth Interval Inservice Inspection Pressure Test Plan

Ladies and Gentlemen:

Pursuant to 10 CFR 50.55a(g)(4), Duke Energy Progress, LLC (Duke Energy), submits the Fourth Interval Inservice Inspection (ISI) Plan, Third Interval Containment ISI Plan, and the Fourth Interval ISI Pressure Test Plan for Shearon Harris Nuclear Power Plant, Unit 1 (HNP).

The plans have been developed in accordance with the requirements of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section XI, 2007 Edition with the 2008 Addenda, as modified by 10 CFR 50.55a conditions, ASME Section XI Code Cases, and Relief Requests.

Should you have any questions regarding this submittal, please contact Jeff Robertson, Manager – Regulatory Affairs, at (919) 362-3137.

Sincerely,

Michael W. Murdock

- Enclosure 1: Fourth Interval Inservice Inspection Plan and Third Interval Containment Inservice Inspection Plan
- Enclosure 2: Fourth Ten-Year Interval Inservice Inspection Schedule and Third Containment IWE/IWL Inservice Inspection Schedule
- Enclosure 3: Applicable Portions of Augmented Inservice Inspection Plan and Schedule 4th Inservice Inspection Interval (Code Cases N-722-1, N-729-4, N-770-2)
- Enclosure 4: Fourth Interval Inservice Inspection Pressure Test Plan and Schedule



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Enclosure 4: Fourth Interval Inservice Inspection Pressure Test Plan and Schedule

cc: Mr. J. Zeiler, NRC Sr. Resident Inspector, HNP  
Ms. M. Barillas, NRC Project Manager, HNP  
NRC Regional Administrator, Region II

NC Department of Labor

**SERIAL HNP-17-025**

**ENCLOSURE 1**

**FOURTH INTERVAL INSERVICE INSPECTION PLAN AND  
THIRD INTERVAL CONTAINMENT INSERVICE INSPECTION PLAN**

**SHEARON HARRIS NUCLEAR POWER PLANT, UNIT 1**

**DOCKET NO. 50-400**

**RENEWED LICENSE NO. NPF-63**

**83 PAGES PLUS COVER**



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# Duke Energy Corporation

SHEARON HARRIS NUCLEAR POWER PLANT, UNIT 1

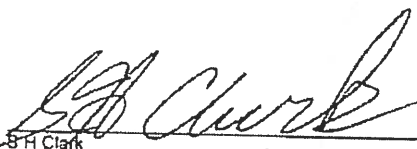
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CONTAINMENT INSERVICE INSPECTION PLAN

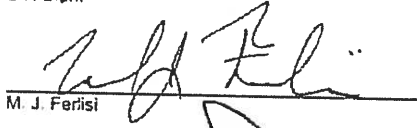
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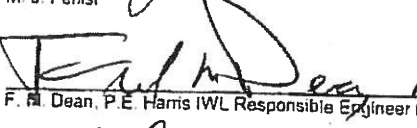
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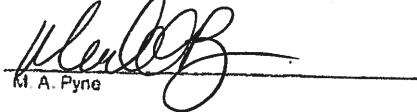
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Originated By:  Date: 08/30/2017  
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F. M. Dean, P.E. Harris IWL Responsible Engineer (IWL Items Only)

Approved By:  Date: 8/31/2017  
M. A. Pyne

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## ISI PLAN REVISION DOCUMENTATION SHEET

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<b>Revision Number</b>	<b>Revision Date</b>	<b>Description of Revision</b>	<b>Special Instructions to Recipients of this Revision</b>
0	8/30/17	This is the original publication for the fourth Interval ISI Plan and third Interval Containment ISI Plan for Shearon Harris Nuclear Power Plant Unit 1. This ISI Plan conforms to the ASME Code, Section XI, 2007 Edition with the 2008 Addenda, with applicable conditions imposed by 10 CFR 50.55a(b)(2). This ISI Plan includes requirements for Class 1, 2, 3, MC, and CC components and their supports.	Original Publication

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## SHEARON HARRIS NUCLEAR POWER PLANT

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### GENERAL INFORMATION

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Shearon Harris Nuclear Power Plant's (Shearon Harris) Inservice Inspection Plan is contained in this document. In addition to the ISI Plan, separate ISI Schedules have been developed<sup>7</sup>.

Plant Location: 5413 Shearon Harris Road, New Hill, North Carolina 27562

Commercial Operation Date:	Shearon Harris	May 2, 1987
Construction Permit Date:	Shearon Harris	January 27, 1978
Operating License Date:	Shearon Harris	January 12, 1987
Fourth ISI Interval Start Date:	Shearon Harris	September 9, 2017
Third Containment ISI Interval Start Date:	Shearon Harris	May 20, 2018

Owner: Duke Energy Progress, LLC  
526 South Church St.  
Mail Code EC07C  
Charlotte, N. C. 28201-1006

Note: Owner shall be referred to as Duke Energy throughout this document.

### Inspection Intervals and Inspection Periods

#### Fourth Inspection Interval (ISI)

<u>Start Date</u>			<u>End Date</u> <sup>1</sup>
09/09/2017	05/02/2020	08/02/2024	09/08/2027 <sup>5</sup>
<u>1<sup>ST</sup> Period</u>	<u>2<sup>ND</sup> Period</u>	<u>3<sup>RD</sup> Period</u>	
Outage 1 (H121)	Outage 3 (H123)	Outage 6 (H126)	
Outage 2 (H122)	Outage 4 (H124)	Outage 7 (H127)	
	Outage 5 (H125)		

Third Containment MC/CC Inspection Interval (CISI)<sup>4</sup>

<u>Start Date<sup>8</sup></u>			<u>End Date<sup>2</sup></u>
05/20/2018 <sup>6</sup>	09/09/2021	09/09/2024	09/08/2027
<u>1<sup>ST</sup> Period<sup>3</sup></u>	<u>2<sup>ND</sup> Period<sup>3</sup></u>	<u>3<sup>RD</sup> Period</u>	
Outage 1 (H122)	Outage 3 (H124)	Outage 5 (H126)	
Outage 2 (H123)	Outage 4 (H125)	Outage 6 (H127)	

Notes:

1. Per IWA-2430(c)(1), this date may be extended to 9/08/2028 or shortened to 09/08/2026, if necessary.
2. Per IWA-2430(c)(1), this date may be extended to 9/08/2028, if necessary.
3. The duration of Periods 1 and 2 has been adjusted in accordance with IWA-2430(c)(3).
4. Period dates are applicable only to examinations performed in accordance with Subsection IWE. Refer to Section 4.8 of this document for additional information related to scheduling examinations in accordance with Subsection IWL.
5. The end date of Period 3 has been adjusted in accordance with IWA-2430(c)(3) to allow alignment of both the ISI and Containment ISI Inspection intervals at the end of ISI Interval 4.
6. The start date for Period 1 has been established to allow the use of the 2007 Edition with the 2008 Addenda for the 3<sup>rd</sup> Containment ISI Interval. This is because 10 CFR 50.55a is expected to be revised in the 2<sup>nd</sup> Quarter of 2017, mandating the use of the 2013 Edition for any inspection interval that begins later than 1 year after the effective date of the rule. As a result, the Containment ISI Interval 3 must start no later than approximately 12 months following the effective date of the regulation that imposes the use of the 2013 Edition. The start date of 05/20/2018 is selected to occur after the end of the H121 refueling outage.
7. The Inservice Inspection Schedules for Unit 1 are maintained in a separate document that is filed independently in Nuclear Fusion Electronic Document Management System (EDMS). Refer to the following documents for the Inservice Inspection Schedule: HNP-PM4-003 "Shearon Harris Nuclear Power Plant - Fourth Inspection Interval Inservice Inspection Schedule".
8. The start date of 05/20/2018 for the 3<sup>rd</sup> Inspection Interval for Class MC/CC components was selected to occur just after the end of refueling outage H121. This is acceptable because this date occurs within +/- 12 months of the end date (09/09/2018) for the 2<sup>nd</sup> Inspection Interval for Class MC/CC components, as permitted by IWA-2430(c)(1).

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## 1.0 Scope

- 1.1 The scope of this document details the ISI Plan for Shearon Harris Nuclear Power Plant Unit 1 (HNP) for the 4<sup>th</sup> Ten Year ISI Interval Program and the 3<sup>rd</sup> Ten Year CISI Interval Containment Programs. This document shall be referred to as the ISI Plan.
- 1.2 The Inservice Inspection Examination Plan (ISI Plan) provides requirements for examination, testing, and inspection of Class 1, 2, 3, MC, and CC components and systems, and their supports. This Plan was prepared in accordance with Fleet Procedure AD-EG-ALL-1701 ASME SECTION XI PLAN DEVELOPMENT and AD-EG-ALL-1702 ASME SECTION XI INSERVICE INSPECTION PROGRAM ADMINISTRATION
- 1.3 The Scope of this document does not include the Pressure Testing ISI Program, Augmented ISI Program, Appendix J Program, Inservice Testing of Pumps and Valves (IST), Snubber Functional Testing Program, or Steam Generator Tubing Program. These are described in the respective standalone program documents.

## 2.0 Purpose

- 2.1 The Inservice Inspection Examination Plan and Schedule documents implement the requirements of ASME Code Section XI, "Rules for Inservice Inspection of Nuclear Power Plant Components, subsections IWA, B, C, D, E, F, and L, in accordance with 10 CFR 50.55a.
- 2.2 In accordance with the requirements of Paragraphs 10CFR50.55a (g)(4)(ii) (82 FR 32934, July. 18, 2017), the inservice inspection of Units 1 of the Shearon Harris Nuclear Power Plant shall be performed in accordance with the 2007 Edition of ASME Section XI, thru the 2008 Addenda, hereafter referred to as Section XI, subject to conditions specified in 10 CFR 50.55a(b)(2).
- 2.3 The technical basis for the information included in this document shall be contained in the Shearon Harris Nuclear Power Plant (HNP) Unit 1, ASME Section XI Program, Basis Document for the 4th Inservice Inspection Interval, Document Number HNP-PM4-001 (Under Development). This basis document shall include detailed information regarding the ASME Section XI requirements in this ISI Plan.

## 3.0 Other ASME Section XI Programs

- 3.1 ASME Section XI Programs
  1. Repair/Replacement Program  
Repair/Replacement Program requirements are addressed in AD-EG-ALL-1703.

## 2. Pressure Test Program

Pressure Test Program requirements are addressed in AD-EG-ALL-1706. The Harris Pressure Test Plan and Schedule are documented HNP-PM4-005.

Note: In addition to ASME Section XI Programs, Augmented Inservice Inspection Program requirements are addressed in fleet Procedure AD-EG-ALL-1704, Augmented Inspection Program Administration. The Augmented Inservice Inspection Plan and Schedule for HNP are documented in HNP-PM4-007, Shearon Harris Nuclear Power Plant Augmented Inservice Inspection Plan and Schedule.

Note: The Inservice and Augmented Inservice Inspection Plans are credited in the Shearon Harris license renewal as described in the NRC SER. The following are credited with managing component and system degradation in accordance with the NRC SER:

Nickel-Alloy Penetration Nozzles Welded to the Upper Reactor Vessel Closure Heads of the Pressurized Water Reactors Program

One-Time Inspection of ASME Code Class 1 Small-Bore Piping Program

Reactor Head Closure Studs Program

Thermal Aging and Neutron Irradiation Embrittlement of Cast Austenitic Stainless Steel Program

ASME Section XI, Subsections IWB, IWC and IWD, Inservice Inspection Program

ASME Section XI, Subsection IWE Program

ASME Section XI, Subsection IWL Program

ASME Section XI, Subsection IWF Program

Refer to SER License Renewal of Shearon Harris Nuclear Power Plant, Unit 1, December 17, 2008, NRC ADAMS Accession No. ML083120237.

Reference EGR-NGGC-0512 for details of implementation activities relating to these programs.

## 4.0 Plan History

- 4.1 The first ten-year inservice inspection interval was conducted in accordance with the ASME B&PV Code, Section XI, 1983 Edition, Summer 1983 Addenda. The first ten-year interval began in May 2, 1987, and ended in May 1, 1997. The interval was extended to February 1, 1998 to allow transition into the second ten-year interval as allowed by ASME Section XI.

- 4.2 The second ten-year inservice inspection interval was conducted in accordance with the ASME B&PV Code, Section XI, 1989 Edition. The HNP second ISI interval started on February 2, 1998 due to the first interval extension and was scheduled to end on May 1, 2007 in accordance with the original pattern of intervals. As allowed by IWA-2430(d) (1), a 1 year extension was taken for the second ISI interval until May 1, 2008. This extension did not affect the start of the third ISI interval. HNP extended the second ISI interval in order to complete the second ISI interval examinations. Third ISI interval examinations were also performed during this time period, but in no case was a single examination be credited for both intervals.
- 4.3 The third ten-year inservice inspection interval is being conducted in accordance with the ASME B&PV Code, Section XI, 2001 Edition thru 2003 Addenda. The third ten-year interval began in May 2, 2007, and will end on May 1, 2018. This interval was extended in accordance with IWA-2430(d)(1) of the 2001 Edition with the 2003 Addenda. Fourth ISI interval examinations may be performed between September 9, 2017 and May 1, 2018, but in no case will a single examination be credited for both intervals.
- 4.4 The construction permit (CPPR-18) for HNP, Unit No. 1, was issued on January 27, 1978, to Carolina Power & Light Company who was the Owner of Record on that date.
- 4.5 Dates for intervals and periods (Class 1, 2, and 3 components only) are as follows:

Interval	Period 1	Period 2	Period 3
1	5/2/1987 – 5/1/1990	5/2/1990 – 5/1/1994	5/2/1994 – 2/1/1998
2	2/2/1998 – 5/1/2001	5/2/2001 – 5/1/2004	5/2/2004 - 5/1/2008
3	5/2/2007 – 5/1/2010	5/2/2010 – 5/1/2014	5/2/2014 – 5/1/2018 <sup>1</sup>
4	9/9/2017 – 5/1/2020	5/2/2020 – 8/1/2024	8/2/2024 – 9/8/2027

Notes: This date was extended 12 month per IWA 2430 and AR #1989853.

- 4.6 Containment ISI (CISI) examinations were originally invoked by amended regulations contained within a Final Rule issued by the USNRC. The amended regulation incorporated the requirements of the 1992 Edition through the 1992 Addenda of the ASME Section XI, Subsections IWE and IWL, subject to specific modifications that were included in 10CFR50.55a(b)(2). The first CISI interval for HNP was effective from September 9, 1998 through September 8, 2008. As allowed by IWA-2430(c)(1), a one year extension was taken for the first CISI interval until September 8, 2009. This extension did not affect the start of the Second CISI interval. HNP extended the first CISI interval in order to complete the first CISI interval examinations. The start of the Second CISI interval is



September 9, 2008. The HNP Second CISI interval was effective from September 9, 2008 through September 8, 2018.

- 4.7 The start of the Third CISI interval is May 20, 2018. Based on this date, the latest edition and Addenda of ASME Section XI referenced in 10CFR50.55a(b)(2), twelve months prior to the start date for interval 3, was the 2007 Edition through the 2008 Addenda. The HNP Third CISI interval will be effective from May 20, 2018 through September 8, 2027. The start date for the Third CISI Interval was adjusted in accordance with IWA-2430(c)(1).
- 4.8 During the Third CISI interval, the interval end date may be extended to no later than May 20, 2029 (11 years following the 3<sup>rd</sup> Interval Start Date of May 20, 2018), and shall not end prior to September 8, 2027 (12 Months prior to the original pattern of intervals that would have ended on September 8, 2028). Because of this, the subsequent CISI (4<sup>th</sup>) Interval may start no earlier than September 9, 2027 and must start no later than the end of the 3<sup>rd</sup> CISI Interval 3.
- 4.9 Dates for intervals and periods (Containment ISI only) are as follows:

**THIRD CISI INTERVAL/PERIOD/OUTAGE MATRIX**

(FOR CISI CLASS MC COMPONENT EXAMINATIONS – IWE Only)

Interval	Period	Outages	
Start Date to End Date	Start Date to End Date	Outage Dates During Inspection Period	Outage Number
3 <sup>rd</sup> 05/20/2018 to 09/08/2027	1 <sup>st</sup>	Fall 2019	H122
	05/20/2018 to 09/08/2021	Spring 2021	H123
	2 <sup>nd</sup>	Fall 2022	H124
	09/09/2021 to 09/08/2024	Spring 2024	H125
	3 <sup>rd</sup>	Fall 2025	H126
	09/09/2024 to 09/08/2027	Spring 2027	H127

**THIRD CISI INTERVAL/PERIOD/OUTAGE MATRIX**  
( FOR CISI CLASS CC COMPONENT EXAMINATIONS – IWL Only)

Interval	Examination Schedule (2 Year Window) <sup>2</sup>	Outages	
Start Date to End Date	Start Date to End Date	Outage Dates During Examination Window	Outage Number
3 <sup>rd</sup> 05/20/2018 to 09/08/2027	05/20/2018 to 09/07/2020 (IWL Exams are not Permitted During this Time)	Fall 2019	H122
	Period 1 – 09/08/2021 (+/- 12 Months) (09/08/2020 to 09/07/2022) <sup>1</sup>	Spring 2021	H123
	09/08/2022 to 09/07/2025 (IWL Exams are not Permitted During this Time)	Fall 2022	H124
		Spring 2024	H125
	Period 2– 09/08/2026 (+/- 12 Months) (09/08/2025 to 09/07/2027) <sup>1</sup>	Fall 2025	H126
		Spring 2027	H127

Note 1: The CISI Interval for Class CC components is the same as the CISI Interval for Class MC components. The actual inspection schedule for Class CC components is based on a rolling 5 year frequency (+/- 1 year) from the date of completion of the original examinations (09/07/2001) performed during the initial September 9, 1996 - September 8, 2001 rulemaking implementation period. The rolling 5 year inspection schedule for containment concrete is in accordance with the inservice inspection schedule specified in IWL-2400 as modified by the initial regulatory rulemaking.

Note 2: 10CFR50.55a(g)(6)(ii)(B)(2), which no longer exists in the regulation, allowed licensees to modify the examination schedule for containment concrete examinations based on a 5 year interval from the date on which completion of the initial concrete examinations were completed. The schedule for successive examinations was established based on the initial examinations having been completed on September 7, 2001. The 2<sup>nd</sup> rolling exam window was 9/7/2006 (+/- 12 months), 3<sup>rd</sup> window was 9/7/2011 (+/- 12 months), 4<sup>th</sup> window was 9/7/2016 (+/- 12 months)

## 5.0 Applicable Editions and Addenda to ASME Section XI

In accordance with the requirements of Paragraphs 10CFR50.55a (g)(4)(ii) (79 FR 73462, Dec. 11, 2014), the inservice inspection of Units 1 of the Shearon Harris Nuclear Power Plant shall be performed in accordance with the 2007 Edition of ASME Section XI, thru the 2008 Addenda, hereafter referred to as Section XI, subject to conditions identified in Section 5.2.

### 5.1 Inservice Inspection Basis Document

The technical basis for the information included in this document shall be contained in the Shearon Harris Nuclear Power Plant (HNP) Units 1, ASME Section XI Program, Basis Document for the 4th Inservice Inspection Interval, Document Number HNP-PM4-001 (Under Development). This basis document shall include detailed information regarding the ASME Section XI requirements in this ISI Plan.

### 5.2 Code of Federal Regulations 10CFR50.55a Conditions

The following mandatory and optional Code of Federal Regulations Conditions are included in 10CFR50.55a (82 FR 32934, July 17, 2017). These conditions were reviewed for inclusion in the ISI Plan per procedure AD-EG-ALL-1701 and include only those 10CFR50.55a conditions applicable to the 2007 Edition with the 2008 Addenda of Section XI. Shearon Harris shall implement these requirements for the Fourth Interval as follows:

5.2.1 §50.55a(b)(2)(ii) Section XI condition: Pressure-retaining welds in ASME Code Class 1 piping (applies to Table IWB-2500 and IWB-2500-1 and Category B-J). If the facility's application for a construction permit was docketed prior to July 1, 1978, the extent of examination for Code Class 1 pipe welds may be determined by the requirements of Table IWB-2500 and Table IWB-2600 Category B-J of Section XI of the ASME BPV Code in the 1974 Edition and Addenda through the Summer 1975 Addenda or other requirements the NRC may adopt.

Shearon Harris Nuclear Power Plant shall not utilize the option in 10CFR50.55a(b)(2)(ii), to examine Class 1 piping per ASME Section XI, 1974 Edition with the Summer 1975 Addenda.

5.2.2 §50.55a(b)(2)(vi) Section XI condition: Effective edition and addenda of Subsection IWE and Subsection IWL. Licensees that implemented the expedited examination of containment, in accordance with Subsection IWE and Subsection IWL, during the period from September 9, 1996, to September 9, 2001, may use either the 1992 Edition with the 1992 Addenda or the 1995 Edition with the 1996 Addenda of Subsection IWE and Subsection IWL, as conditioned by the requirements in paragraphs (b)(2)(viii) and (ix) of this section, when implementing the initial 120-month inspection interval for the containment inservice inspection requirements of this section. Successive 120-month interval updates must be implemented in accordance with paragraph (g)(4)(ii) of this section.

Shearon Harris Nuclear Power Plant shall schedule successive 120-month interval updates for Class MC and CC components in accordance with §50.55a(g)(4)(ii).

- 5.2.3 §50.55a(b)(2)(viii) Section XI condition: Concrete containment examinations. Applicants or licensees applying Subsection IWL, 2007 Edition up to and including the 2008 Addenda must apply paragraph (b)(2)(viii)(E) of this section.
- 5.2.4 §50.55a(b)(2)(viii)(E) - Concrete containment examinations: Fifth provision. For Class CC applications, the applicant or licensee must evaluate the acceptability of inaccessible areas when conditions exist in accessible areas that could indicate the presence of or the result in degradation to such inaccessible areas. For each inaccessible area identified, the applicant or licensee must provide the following in the ISI Summary Report required by IWA-6000:
- (1) A description of the type and estimated extent of degradation, and the conditions that led to the degradation;
  - (2) An evaluation of each area, and the result of the evaluation; and
  - (3) A description of necessary corrective actions.
- 5.2.5 §50.55a(b)(2)(ix) Section XI condition: Metal containment examinations. Applicants or licensees applying Subsection IWE, 2007 Edition through the latest addenda incorporated by reference in paragraph (a)(1)(ii) of this section, must satisfy the requirements of paragraphs (b)(2)(ix)(A)(2) and (b)(2)(ix)(B) and (J) of this section.
- 5.2.6 §50.55a(b)(2)(ix)(A) - Metal containment examinations: First provision. For Class MC applications, the following apply to inaccessible areas.
- (1) The applicant or licensee must evaluate the acceptability of inaccessible areas when conditions exist in accessible areas that could indicate the presence of or could result in degradation to such inaccessible areas.
  - (2) For each inaccessible area identified for evaluation, the applicant or licensee must provide the following in the ISI Summary Report as required by IWA-6000:
    - (i) A description of the type and estimated extent of degradation, and the conditions that led to the degradation;
    - (ii) An evaluation of each area, and the result of the evaluation; and
    - (iii) A description of necessary corrective actions.
- 5.2.7 §50.55a(b)(2)(ix)(B) - Metal containment examinations: Second provision. When performing remotely the visual examinations required by Subsection IWE, the maximum direct examination distance specified in Table IWA-2210-1 may be extended and the minimum illumination requirements specified in Table IWA-2210-1 may be decreased provided that the conditions or indications for which the visual

examination is performed can be detected at the chosen distance and illumination.

- 5.2.8 §50.55a(b)(2)(ix)(J) Metal containment examinations: Tenth provision. In general, a repair/replacement activity such as replacing a large containment penetration, cutting a large construction opening in the containment pressure boundary to replace steam generators, reactor vessel heads, pressurizers, or other major equipment; or other similar modification is considered a major containment modification. When applying IWE-5000 to Class MC pressure-retaining components, any major containment modification or repair/replacement must be followed by a Type A test to provide assurance of both containment structural integrity and leak-tight integrity prior to returning to service, in accordance with 10 CFR part 50, Appendix J, Option A or Option B on which the applicant's or licensee's Containment Leak-Rate Testing Program is based. When applying IWE-5000, if a Type A, B, or C Test is performed, the test pressure and acceptance standard for the test must be in accordance with 10 CFR part 50, Appendix J.
- 5.2.9 10CFR50.55a(b)(2)(x) - Quality Assurance  
Shearon Harris Nuclear Power Plant shall apply the requirements of 10CFR50 appendix B per the Duke QA Topical Report and as allowed per ASME Section XI IWA-1400(n)(1). Therefore, 10CFR50.55a(b)(2)(x) is not applicable.
- 5.2.10 10CFR50.55a(b)(2)(xii) - Underwater Welding  
The requirements for performing underwater welding as stated in 10CFR50.55a(b)(2)(xii) are not addressed in the Shearon Harris Nuclear Power Plant ISI Plan. This condition applies to repair/replacement activities, which are addressed in Fleet Procedure AD-EG-ALL-1703 and applicable Station Procedures.
- 5.2.11 10CFR50.55a(b)(2)(xiv) - Appendix VIII Personnel Qualification  
As allowed by 10CFR50.55a(b)(2)(xiv), for Appendix VIII Qualified Personnel, Shearon Harris Nuclear Power Plant shall use the annual practice requirements in VII-4240 of Section XI Appendix VII in place of the 8 hours of annual hands-on training (when deemed appropriate) as discussed in 10CFR50.55a(b)(2)(xiv). When utilizing this option, the annual practice requirements shall be performed on material or welds that contain cracks, or by analyzing prerecorded data from material or welds that contain cracks. All training shall be completed no earlier than 6 months prior to performing ultrasonic examinations. The implementation of ASME Section XI, Appendix VII and VIII requirements is addressed in the procedures listed in Appendix F of this document.
- 5.2.12 10CFR50.55a(b)(2)(xv) - Appendix VIII specimen set and qualification requirements. Licensees using editions and addenda after 2001 Edition through the 2006 Addenda must use the 2001 Edition of Appendix VIII

and may elect to comply with all of the provisions in paragraphs (b)(2)(xv)(A) through (M) of this section, except for paragraph (b)(2)(xv)(F) of this section, which may be used at the licensee's option.

These requirements shall be met during the Shearon Harris 4th Inservice Inspection Interval.

5.2.13 10CFR50.55a(b)(2)(xviii)(A) - Certification of NDE Personnel

As required by 10CFR50.55a(b)(2)(xviii)(A), Level I and II nondestructive examination personnel at Shearon Harris Nuclear Power Plant shall be recertified on a 3-year interval in lieu of the 5-year interval specified in IWA-2314(a) and IWA-2314(b) of the 2007 Edition with the 2008 Addenda. The certification of nondestructive examination personnel is addressed in the procedures listed in Appendix F of this document.

5.2.14 10CFR50.55a(b)(2)(xix) - *Substitution of Alternative Methods*. The provisions in IWA-4520(b)(2) and IWA-4521 of the 2008 Addenda through the latest edition and addenda incorporated by reference in paragraph (a)(1)(ii) of this section, allowing the substitution of ultrasonic examination for radiographic examination specified in the Construction Code, are not approved for use.

Shearon Harris Nuclear Power Plant shall not apply the rules in IWA-4520(b)(2) and IWA-4521 of Section XI, 2007 Edition with the 2008 Addenda allowing the substitution of ultrasonic examination for radiographic examination specified in the Construction Code.

5.2.15 10CFR50.55a(b)(2)(xx)(B) - System Leakage Tests

As required by 10CFR50.55a(b)(2)(xx)(B), Shearon Harris Nuclear Power Plant shall apply the rules in IWA-4540(a)(2) of the 2002 Addenda of Section XI when performing system leakage tests after repair and replacement activities performed by welding or brazing on a pressure retaining boundary. This condition applies to repair/replacement activities, which are addressed in Fleet Procedure AD-EG-ALL-1703 and applicable Station Procedures.

5.2.16 10CFR50.55a(b)(2)(xxi)(A) - Table IWB-2500-1 Examination Requirements

As required by 10CFR50.55a(b)(2)(xxi)(A), the provisions of Table IWB-2500-1, Examination Category B-D, Full Penetration Welded Nozzles in Vessels, Items Nos. B3.120 and B3.140 of Inspection Program B in the 1998 Edition shall be implemented by Shearon Harris Nuclear Power Plant.

As allowed optionally by 10CFR50.55a(b)(2)(xxi)(A), a visual examination with magnification that has a resolution sensitivity to resolve 0.044 inch (1.1 mm) lower case characters without an ascender or descender (e.g., a, e, n, v), utilizing the allowable flaw length criteria in Table IWB-3512-1, 1997 Addenda through the latest edition and

addenda incorporated by reference in paragraph (a)(1)(ii) of this section, with a limiting assumption on the flaw aspect ratio (i.e.,  $a/l = 0.5$ ), may be performed instead of an ultrasonic examination. Shearon Harris Nuclear Power Plant may perform a visual examination in accordance with 10 CFR 50.55a(b)(2)(xxi)(A) when the inner radius surface is accessible. When the inner radius surface is not accessible, a UT examination shall be performed.

5.2.17 10CFR50.55a(b)(2)(xxii) - Surface Examination.

As required by 10CFR50.55a(b)(2)(xxii)(B), Shearon Harris Nuclear Power Plant shall not apply the rules in IWA-2220, "Surface Examination," of Section XI, 2007 Edition with the 2008 Addenda that allow use of an ultrasonic examination method.

5.2.18 10CFR50.55a(b)(2)(xxiii) - Evaluation of Thermally Cut Surfaces

Prohibition of the use of IWA-4461.4.2, which allows the elimination of mechanical processing of thermally cut surfaces as stated in 10CFR50.55a(b)(2)(xxiii) is not addressed in the Shearon Harris Nuclear Power Plant ISI Plan. This condition applies to repair/replacement activities, which are addressed in Fleet Procedure AD-EG-ALL-1703 and applicable Station Procedures.

5.2.19 10CFR50.55a(b)(2)(xxv) - Mitigation of Defects by Modification

Prohibition of the use of IWA-4340 for the mitigation of defects by modification as stated in 10CFR50.55a(b)(2)(xxv) is not addressed in the Shearon Harris Nuclear Power Plant ISI Plan. This condition applies to repair/replacement activities, which are addressed in Fleet Procedure AD-EG-ALL-1703 and applicable Station Procedures.

5.2.20 10CFR50.55a(b)(2)(xxvi) - Pressure Testing Class 1, 2, and 3 Mechanical Joints

Placing restrictions on the pressure testing of replaced components and appurtenances per IWA-4540(c) as stated in 10CFR50.55a(b)(2)(xxvi) is not addressed in the Shearon Harris Nuclear Power Plant ISI Plan. This condition applies to repair/replacement activities, which are addressed in Fleet Procedure AD-EG-ALL-1703 and applicable Station Procedures.

5.2.21 10CFR50.55a(b)(2)(xxvii)-Removal of Insulation

When performing visual examination in accordance with IWA-5240 of Section XI of the ASME B&PV Code, 2007 Edition with the 2008 Addenda Shearon Harris Nuclear Power Plant shall remove insulation from 17-4 PH or 410 stainless steel studs or bolts aged at a temperature below 1100 °F or having a Rockwell Method C hardness value above 30, and from A-286 stainless steel studs or bolts preloaded to 100,000 pounds per square inch or higher. This condition applies to the Harris Section XI Pressure Testing Program and is not addressed in this document.

5.2.22 10CFR50.55a(b)(2)(xxviii) - Analysis of Flaws

Shearon Harris Nuclear Power Plant shall implement the following conditions when implementing Equation (2) of A-4300(b)(1) of Appendix A of ASME BPV Code Section XI:

For  $R < 0$ ,  $\Delta K_I$  depends on the crack depth ( $a$ ), and the flow stress ( $\sigma_f$ ). The flow stress is defined by  $\sigma_f = \frac{1}{2}(\sigma_{ys} + \sigma_{ult})$ , where  $\sigma_{ys}$  is the yield strength and  $\sigma_{ult}$  is the ultimate tensile strength in units ksi (MPa) and ( $a$ ) is in units in. (mm). For  $-2 \leq R \leq 0$  and  $K_{max} - K_{min} \leq 0.8 \times 1.12 \sigma_f \sqrt{(\pi a)}$ ,  $S = 1$  and  $\Delta K_I = K_{max}$ . For  $R < -2$  and  $K_{max} - K_{min} \leq 0.8 \times 1.12 \sigma_f \sqrt{(\pi a)}$ ,  $S = 1$  and  $\Delta K_I = (1 - R) K_{max}/3$ . For  $R < 0$  and  $K_{max} - K_{min} > 0.8 \times 1.12 \sigma_f \sqrt{(\pi a)}$ ,  $S = 1$  and  $\Delta K_I = K_{max} - K_{min}$ .

5.2.23 10CFR50.55a(b)(2)(xxix) - Nonmandatory Appendix R.

When implementing Nonmandatory Appendix R, "Risk-Informed Inspection Requirements for Piping," of Section XI, 2007 Edition with the 2008 Addenda, Shearon Harris Nuclear Power Plant shall request and receive prior NRC authorization of this proposed alternative in accordance with paragraph 10CFR50.55a(z).

Shearon Harris Nuclear Power Plant is not using Appendix R during the 4<sup>th</sup> Inservice Inspection Interval.

5.2.24 10CFR50.55a(g)(6)(ii)(D) - Reactor Vessel Head Inspections

Shearon Harris Nuclear Power Plant shall meet the criteria of 10CFR50.55a(g)(6)(ii)(D) for the performance of reactor vessel head inspections. These examinations are addressed in the Augmented ISI program document (Doc No. HNP-PM4-007).

5.2.25 10CFR50.55a(g)(6)(ii)(E) - Reactor Coolant Pressure Boundary Visual Inspections

Shearon Harris Nuclear Power Plant shall meet the criteria of 10CFR50.55a(g)(6)(ii)(E) for the performance of reactor coolant pressure boundary visual inspections. These examinations are addressed in the Augmented ISI program document (Doc No. HNP-PM4-007).

5.2.26 10CFR50.55a(g)(6)(ii)(F) - Examination Requirements for Class 1 Piping and Nozzle Dissimilar-Metal Butt Welds

Shearon Harris Nuclear Power Plant shall meet the criteria of 10CFR50.55a(g)(6)(ii)(F) for the examination of Class 1 piping and nozzle dissimilar-metal butt welds. These examinations are addressed in the Augmented ISI program document (Doc No. HNP-PM4-007).



## 6.0 Classifications and Plan Boundaries

### 6.1 Classification

6.1.1 The boundaries of Class 1, 2 and 3 non-exempt systems are shown on ISI “G” series flow diagram drawings listed in Appendix A. Unless otherwise noted, systems designated as Class 1 or Class A are equivalent to ASME Class 1, Class 2 or Class B are equivalent to ASME Class 2, and Class 3 or Class C are equivalent to ASME Class 3. See HNP-PM4-001 Basis document for additional information on classification of systems and components.

6.1.2 Portions of piping penetrating the containment vessel that are required to be constructed to Class 1 or 2 requirements for piping, and may differ from the classification of the balance of piping systems, will not affect the overall system classification that determines the applicable rules of Section XI. The Class MC/Class 2 interface for piping penetrations is the O.D. surface of the process piping.

### 6.2 Examination Boundaries

6.2.1 Appendix A contain a listing of “G” series Flow Diagrams that are used to identify Class 1, 2, and 3 components that are subject to the requirements of the ASME Code, Section XI. HNP-PM4-001 Basis document further describes the boundary conditions (valves) for ISI classification.

6.2.2 Examination boundaries for Class MC and CC components are described in the ISI Schedule and reference drawings listed in the ISI Schedule.

## 7.0 Regulatory Guides

This Section includes all NRC Regulatory Guides that impact the Harris inservice inspection and repair/replacement programs.

7.1 **Regulatory Guide 1.26**, “Quality Group Classifications & Standards for Water, Steam, and Radioactive-Waste Containing Components of Nuclear Power Plants” provides detailed requirements for Quality Group Classifications & Standards. Harris addresses conformance with Regulatory Guide 1.26 in FSAR Chapter 1 Section 8.

7.2 **Regulatory Guide 1.147**, “Inservice Inspection Code Case Acceptability ASME Section XI, Division 1,” lists those ASME Code Cases that are generally acceptable to the NRC for implementation in licensee’s ASME Section XI Program. The latest published revision of this Regulatory Guide applies to the Harris Inservice Inspection and Repair/Replacement Programs for Interval 4. Revision 17 of RG 1.147, dated August, 2014 was the latest version published at the start of HNP Interval 4. Code Cases approved for use in Tables 1 and 2 of

later revisions to R.G. 1.147 that are published during the Harris 4th Inservice Inspection Interval may also be used.

- 7.3 **Regulatory Guide 1.193**, “ASME Code Cases Not Approved For Use” lists those ASME Code Cases that the NRC has determined not to be acceptable for use on a generic basis. A brief description of the basis for the determination is provided with each Code Case. Licensees may submit a request to implement one or more of the Code Cases listed in Regulatory Guide 1.193 through 10 CFR 50.55a(z), which permits the use of alternatives to the Code requirements referenced in 10 CFR 50.55a, provided that the proposed alternatives result in an acceptable level of quality and safety. Licensees must submit a plant-specific request that addresses the NRC’s concerns about the Code Case at issue. Revision 4 of RG 1.193, dated August 2014 was the latest version published at the start of HNP Interval 4.

## 8.0 ASME Code Cases

- 8.1 All ASME Code Cases listed in Table 1 and Table 2 of NRC Regulatory Guide 1.147, Rev. 17 are approved for use during the Shearon Harris 4th & 3rd CISI Inservice Inspection Intervals and may be used, even if they are not listed in Appendix D, provided the Code Case revision is applicable to the 2007 Edition with the 2008 Addenda.
- 8.2 The Appendix D table lists all specific code cases that may be used for the Fourth Interval Inservice Inspection Program and Third CISI Interval Inspection Program at Shearon Harris.

## 9.0 Records

- 9.1 Records for the Fourth ten-year interval inservice inspection program and Third Containment ten-year interval inservice IWE/IWL inspection program, including equipment calibration records, calibration standards, examination and test procedures, results of activities, final reports, certifications, and corrective actions taken or recommended, shall be developed and maintained in accordance with Article IWA-6000, “Records and Reports.”
- 9.2 Non-destructive examination data packages shall be submitted to the inservice inspection program manager, or designee, following completion of the inservice inspection activity.
- 9.3 Records shall be generated for all non-destructive examinations, tests, and repair/replacement activities for Class 1, 2, 3, MC or CC components, and their supports.
- 9.4 Following each refueling outage, information required by ASME Code Case N-532-5 shall be compiled, and the Owners Activity Report form OAR-1 shall be prepared and certified by Duke Energy ISI Program Manager, and verified/signed by the Authorized Nuclear Inservice Inspector (ANII). The

Owner's Activity Report (Form OAR-1) shall be submitted to the NRC within ninety days (90) of the end of the outage (breaker close date), in accordance with IWA-6240(b). The Owner's Activity Report (Form OAR-1) shall include the following:

- 9.4.1 A listing of items with flaws or relevant conditions that exceeded the acceptance criteria of Division 1 and that required evaluation to determine acceptability for continued service shall be provided. This information is required whether or not the flaw or relevant condition was discovered during a scheduled examination or test.
  - 9.4.2 An abstract for repair/replacement activities that were required due to an item containing a flaw or relevant condition that exceeded Division 1 acceptance criteria shall be provided. This information is required even if the discovery of the flaw or relevant condition that necessitated the repair/replacement activity did not result from an examination or test required by Division 1. If the acceptance criteria for a particular item are not specified in Division 1, the provisions of IWA-3100(b) shall be used to determine which repair/replacement activities are required to be included in the abstract.
- 9.5 All records shall be maintained in accordance with IWA-6300 and shall comply with the requirements established in AD-DC-ALL-0001 "Document Control".

## **10.0 Inservice Inspection Plan and Schedule**

- 10.1 The fourth ten-year interval inservice inspection schedule for inservice examination of systems and components is controlled as a separate document. Periodic revisions to the inservice inspection schedule will be made, as required, to accommodate inservice inspection plan additions, deletions, updates, and substitutions, as necessary.
- 10.2 The fourth ten-year interval inservice inspection plan and schedule list drawings which identify weld locations, hanger locations, and other examination areas for each system and component.
- 10.3 The fourth ten-year interval inservice inspection schedule contains the applicable information for ASME B&PV Code examination category, item number, etc., as it pertains to Section XI requirements.
- 10.4 Welds and other components that are subject to examination have been identified within the ISI Plan and Schedule, and may also be shown on ISI isometric or other drawings. Newly identified welds are added to the inservice inspection plan/inservice inspection schedule with the next highest sequential weld number, or by designation of an alpha character from an adjacent weld.
- 10.5 Scheduling of examinations in the ISI Schedule satisfy the periodic percentage requirements specified in Tables IWB-2411-1, IWC-2411-1, IWD-2411-1, IWE-2411-1, and IWF-2410-1.

## 11.0 Subsection IWB for Class 1 Components

### 11.1 Examination Categories and Requirements

- 11.1.1 The examination categories to be used are those listed in Table IWB-2500-1 of Section XI. Specific examinations shall be identified by an Item Number listed in Table IWB-2500-1 of Section XI along with a summary number which is preceded by an H to designate Shearon Harris Unit 1, plus an additional number to uniquely identify that examination. (Example: H-03743)
- 11.1.2 Class 1 Components that are subject to examination are identified in Sections 11.2 through 11.15.
- 11.1.3 The inservice inspection of ASME Class 1 Components shall be performed in accordance with the requirements of Article IWB-2000 of Section XI. A description of examination listings and schedules are found in HNP-PM4-003. Class 1 examinations were scheduled for the Fourth Inspection Interval in accordance with Table IWB-2411, as shown below.

**Table IWB-2411-1**

<b>Inspection Interval</b>	<b>Inspection Period, Calendar Years of Plant Service Within the Interval</b>	<b>Minimum Examinations Completed, %</b>	<b>Maximum Examinations Credited, %</b>
4 <sup>rd</sup>	3	16	50
	7	50 (Note 1)	75
	10	100	100

Note 1: If the first period completion percentage for any examination category exceeds 34%, at least 16% of the required examinations shall be performed in the second period.

11.2 Category B-A, Pressure Retaining Welds in Reactor Vessel

<u>IWB-2500-1</u> <u>Item No.</u>	<u>Component To Be Examined</u>	<u>Comments</u>
B1.10	Shell Welds	
B1.11	Circumferential	
B1.12	Longitudinal	
B1.20	<b>Head Welds</b>	
B1.21	Circumferential	
B1.22	Meridional	
B1.30	<b>Shell-to-Flange Weld</b>	
B1.40	<b>Head-to-Flange Weld</b>	
B1.50	<b>Repair Welds</b>	
B1.51	Beltline region	N/A for Shearon Harris 1

Table B-A					
Item Numbers	Parts Examined	Number of Welds	Number of Examinations Scheduled by Period		
			1	2	3
<b>B1.11</b>	Circumferential	3	0	0	3
<b>B1.12</b>	Longitudinal	6	0	0	6
<b>B1.21</b>	Circumferential	1	0	0	1
<b>B1.22</b>	Meridional	6	0	0	6
<b>B1.30</b>	Shell-to-Flange Welds	1	0	0	1
<b>B1.40</b>	Head-to-Flange Weld	1	1	0	0
Totals		18	1	0	17

Note: There are no B1.51 items applicable to HNP.

Note: Relief Request I3R-14 was approved by the NRC in January of 2015 to extend the examination frequency for category B-A from 10 to 20 years. The next examinations will be scheduled in the fourth ten year interval Period 3.

11.3 Category B-B, Pressure Retaining Welds in Vessels Other Than Reactor Vessels

<u>IWB-2500-1 Item No.</u>	<u>Component To Be Examined</u>	<u>Comments</u>
<b><i>Pressurizer</i></b>		
<b>B2.10</b>	<b>Shell-to-Head</b>	
B2.11	Circumferential	
B2.12	Longitudinal	
<b>B2.20</b>	<b>Head Welds</b>	
B2.21	Circumferential	N/A for Shearon Harris 1
B2.22	Meridional	N/A for Shearon Harris 1
<b><i>Steam Generators (Primary Side)</i></b>		
<b>B2.30</b>	<b>Head Welds</b>	
B2.31	Circumferential	N/A for Shearon Harris 1
B2.32	Meridional	N/A for Shearon Harris 1
<b>B2.40</b>	<b>Tubesheet-to-Head Weld</b>	
<b><i>Heat Exchangers (Primary Side) - Head</i></b>		
<b>B2.50</b>	<b>Head Welds</b>	
B2.51	Circumferential	N/A for Shearon Harris 1
B2.52	Meridional	N/A for Shearon Harris 1
<b><i>Heat Exchangers (Primary Side) - Shell</i></b>		
<b>B2.60</b>	Tubesheet-to-Head Welds	N/A for Shearon Harris 1
<b>B2.70</b>	Longitudinal Welds	N/A for Shearon Harris 1
<b>B2.80</b>	Tubesheet-to-Shell Welds	N/A for Shearon Harris 1

Table B-B					
Item Numbers	Parts Examined	Number of Welds	Number of Examinations Scheduled by Period		
			1	2	3
B2.11	Circumferential	2	1	0	1
B2.12	Longitudinal	2	1	0	1
B2.40	Tubesheet-to-Head Weld	3	0	1	0
Totals:		7	2	1	2

Note: There are no B 2.21, B 2.22, B 2.31, B 2.32, B 2.51, B 2.52, B 2.60, B 2.70, or B 2.80 items applicable to HNP.

#### 11.4 Category B-D, Full Penetration Welded Nozzles in Vessels

<u>IWB-2500-1</u> <u>Item No.</u>	<u>Component To Be Examined</u>	<u>Comments</u>
<b>Reactor Vessel</b>		
B3.90	Nozzle-to-Vessel Welds	
B3.100	Nozzle Inside Radius Section	
<b>Pressurizer</b>		
B3.110	Nozzle-to-Vessel Welds	
B3.120	Nozzle Inside Radius Section	See Note
<b>Steam Generators (Primary Side)</b>		
B3.130	Nozzle-to-Vessel Welds	N/A for Shearon Harris 1
B3.140	Nozzle Inside Radius Section	See Note
<b>Heat Exchangers (Primary Side)</b>		
B3.150	Nozzle-to-Vessel Welds	N/A for Shearon Harris 1
B3.160	Nozzle Inside Radius Section	N/A for Shearon Harris 1

Note: Item Nos. B 3.120 and B 3.140 of Inspection Program B in the 1998 Edition are included in the table above because of the condition imposed by 10 CFR 50.55a(b)(2)(xxi)(A).

Table B-D					
Item Numbers	Parts Examined	Number of Welds	Number of Examinations Scheduled by Period		
			1	2	3
B3.90 <sup>1</sup>	Nozzle-to-Vessel Welds	6	0	0	6 <sup>1</sup>
B3.100 <sup>1</sup>	Nozzle Inside Radius Section	6	0	0	6 <sup>1</sup>
B3.110	Nozzle-to-Vessel Welds	6	3	3	0
B3.120	Nozzle Inside Radius Section	6	0	6	0
B3.140	Nozzle Inside Radius Section	6	0	0	6
Totals:		30	3	9	18

Notes:

1. Items B3.90 and B3.100 are permissible to be deferred to end of the interval and will not be counted in totals for percentage calculations. Harris has an approved Relief Request 3R-14 by the NRC (SEA-2014-0613/14 TAC# MF 4113, ML14157A055) to extend the examination frequencies for Item Numbers B3.90 and B3.100 from 10 to 20 years. These examinations must be completed no later than 2024, plus or minus one refueling outage.
2. There are no B3.130, B3.150 or B3.160 items applicable to HNP.

11.5 Category B-F, Pressure Retaining Dissimilar Metal Welds in Vessel Nozzles

Category B-F examinations are no longer required as a result of implementing a Risk-Informed inservice inspection program for Class 1. See Section 16.0 for additional information.

11.6 Category B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

<u>IWB-2500-1</u> <u>Item No.</u>	<u>Component To Be Examined</u>	<u>Comments</u>
<b>Reactor Vessel</b>		
<b>B6.10</b>	Closure Head Nuts	
<b>B6.20</b>	Closure Studs	
<b>B6.40</b>	Threads in Flange	
<b>B6.50</b>	Closure Washers, Bushings	
<b>Pressurizer</b>		
<b>B6.60</b>	Bolts and Studs	N/A for Shearon Harris 1
<b>B6.70</b>	Flange Surface, when connection disassembled	N/A for Shearon Harris 1



<b><u>IWB-2500-1</u></b> <b><u>Item No.</u></b>	<b><u>Component To Be Examined</u></b>	<b><u>Comments</u></b>
<b>B6.80</b>	Nuts, Bushings, and Washers	N/A for Shearon Harris 1
<b><i>Steam Generators</i></b>		
<b>B6.90</b>	Bolts and Studs	N/A for Shearon Harris 2
<b>B6.100</b>	Flange Surface, when connection disassembled	N/A for Shearon Harris 2
<b>B6.110</b>	Nuts, Bushings, and Washers	N/A for Shearon Harris 2
<b><i>Heat Exchangers</i></b>		
<b>B6.120</b>	Bolts and Studs	N/A for Shearon Harris 1
<b>B6.130</b>	Flange Surface, when connection disassembled	N/A for Shearon Harris 1
<b>B6.140</b>	Nuts, Bushing, and Washers	N/A for Shearon Harris 1
<b><i>Piping</i></b>		
<b>B6.150</b>	Bolts and Studs	N/A for Shearon Harris 1
<b>B6.160</b>	Flange Surface, when connection disassembled	N/A for Shearon Harris 1
<b>B6.170</b>	Nuts, Bushing, and Washers	N/A for Shearon Harris 1
<b><i>Pumps</i></b>		
<b>B6.180</b>	Bolts and Studs	
<b>B6.190</b>	Flange Surface, when connection disassembled	
<b>B6.200</b>	Nuts, Bushings, and Washers	N/A for Shearon Harris 1
<b><i>Valves</i></b>		
<b>B6.210</b>	Bolts and Studs	N/A for Shearon Harris 1
<b>B6.220</b>	Flange Surface, when connection disassembled	N/A for Shearon Harris 1
<b>B6.230</b>	Nuts, Bushings, and Washers	N/A for Shearon Harris 1

Table B-G-1					
Item Numbers	Parts Examined	Number of Items	Number of Examinations Scheduled by Period		
			1	2	3
<b>B6.10</b>	<i>Reactor Vessel - Closure Head Nuts</i>	3 (See Note 3)	1	1	1
<b>B6.20</b>	<i>Reactor Vessel - Closure Studs</i>	3 (See Note 5)	1	1	1
<b>B6.40</b>	<i>Reactor Vessel - Threads in Flange</i>	3 (See Note 6)	0	0	3
<b>B6.50</b>	<i>Reactor Vessel - Closure Washers, Bushings</i>	3 (See Note 7)	1	1	1
<b>B6.180<sup>1</sup></b>	<i>Reactor Coolant Pump - Bolts and Studs</i>	3 (See Note 4)	0	0	1
<b>B6.190<sup>2</sup></b>	<i>Reactor Coolant Pump - Flange Surface, when connection disassembled</i>	3	0	0	0
<b>Totals:</b>		18	3	3	7

Notes:

1. In accordance with Table IWB-2500-1, B-G-1, Note 3, Volumetric examination of bolting for heat exchangers, pumps, or valves may be conducted on one heat exchanger, one pump, or one valve among a group of heat exchangers, pumps, or valves that are similar in design, type, and function. In addition, when the component to be examined contains a group of bolted connections of similar design and size, such as flanged connections, the examination may be conducted on one bolted connection among the group.
2. Examination is required when disassembled.
3. All B6.10 items are associated with the 58 R reactor Vessel Studs. Approximately 1/3 of these B6.10 examinations are scheduled for each inspection period. There are 3 Summary Numbers established for these examinations, one for each group to be examined during each inspection period.
4. All B6.180 items are associated with the 24 R reactor Coolant Pump fasteners on each of the "A", "B", and "C" Pumps. Only 1 of these groups of fasteners requires examination. There are 3 Summary Numbers established for these examinations, one for each group of fasteners on each RCP.
5. All B6.20 items are associated with the 58 R reactor Vessel Studs. Approximately 1/3 of these B6.20 examinations are scheduled for each inspection period. There are 3 Summary Numbers established for these examinations, one for each group to be examined during each inspection period.

6. All B6.40 items are associated with flange threads for the 58 Reactor Vessel Studs. There are 3 Summary Numbers established for these examinations, with each group containing approximately 1/3 of the flange threads for the RPV studs. These are scheduled for the 3<sup>rd</sup> Period.
7. All B6.50 items are associated with the 58 Reactor Vessel Studs. Approximately 1/3 of these B6.50 examinations are scheduled for each inspection period. There are 3 Summary Numbers established for these examinations, one for each group to be examined during each inspection period.
8. There are no B6.60, B6.70, B6.80, B6.90, B6.100, B6.110, B6.120, B6.130, B6.140, B6.150, B6.160, B6.170, B6.200, B6.210, B6.220 or B6.230 items applicable to HNP.

11.7 Category B-G-2, Pressure Retaining Bolting, 2 in. And Less In Diameter

<u>IWB-2500-1</u> <u>Item No.</u>	<u>Component To Be Examined</u>	<u>Comments</u>
<b><i>Reactor Vessel</i></b>		
<b>B7.10</b>	Bolts, Studs, and Nuts	
<b><i>Pressurizer</i></b>		
<b>B7.20</b>	Bolts, Studs, and Nuts	
<b><i>Steam Generators</i></b>		
<b>B7.30</b>	Bolts, Studs, and Nuts	
<b><i>Heat Exchangers</i></b>		
<b>B7.40</b>	Bolts, Studs, and Nuts	N/A for Shearon Harris 1
<b><i>Piping</i></b>		
<b>B7.50</b>	Bolts, Studs, and Nuts	
<b><i>Pumps</i></b>		
<b>B7.60</b>	Bolts, Studs, and Nuts	
<b><i>Valves</i></b>		
<b>B7.70</b>	Bolts, Studs, and Nuts	

Table B-G-2					
Item Numbers	Parts Examined <sup>1</sup>	Number of Items	Number of Examinations Scheduled by Period		
			1	2	3
<b>B7.10</b>	Reactor Vessel Bolts, Studs, and Nuts	4	4	4	4
<b>B7.20</b>	Pressurizer Bolts, Studs, and Nuts	2	2	2	2
<b>B7.30<sup>3</sup></b>	Steam Generator Bolts, Studs, and Nuts	12	12	12	12
<b>B7.50<sup>2,4</sup></b>	Piping Bolts, Studs, and Nuts	6	6	6	6
<b>B7.60<sup>5</sup></b>	Pumps Bolts, Studs, and Nuts	6	6	6	6
<b>B7.70<sup>6</sup></b>	Valves Bolts, Studs, and Nuts	24	24	24	24
Totals:		54	54	54	54

Notes:

1. In accordance with Table IWB-2500-1, B-G-2, Note 1, bolting is required to be examined only when a connection is disassembled or bolting is removed.
2. In accordance with Table IWB-2500-1, B-G-2, Note 3, the examination of flange bolting in piping systems may be limited to one bolted connection among a group of bolted connections that are similar in design, size, function, and service. Examination is required only when a flange is disassembled. Examination of a bolted connection is required only once during the interval.
3. Duke interprets the Code requirement to require only one primary cold leg bolting and one primary hot leg bolting exam of one Steam Generator.
4. There are 2 groups of flange bolting with 3 flange bolting in each group. Code requires only 1 flange bolting exam in each group.
5. Duke interprets the Code requirement to require only one upper seal housing bolting and one lower seal housing bolting exam on one RCP.
6. There are 4 groups of valve bolting exams. Code requires only 1 valve bolting exam for each group. During the 4th interval, the B 7.70 examinations are scheduled every outage to help ensure that if any are disassembled, the required examinations will be performed.
7. There are no B7.40 items applicable to HNP.

11.8 Category B-J, Pressure Retaining Welds in Piping

Category B-J examinations are no longer required as a result of implementing a Risk-Informed inservice inspection program for Class 1. See Section 16.0 for additional information.

11.9 Category B-K, Welded Attachments for Vessels, Piping, Pumps, and Valves

<u>IWB-2500-1</u> <u>Item No.</u>	<u>Component To Be Examined</u>	<u>Comments</u>
<b><i>Pressure Vessels</i></b>		
<b>B10.10</b>	Welded Attachments	
<b><i>Piping</i></b>		
<b>B10.20</b>	Welded Attachments	
<b><i>Pumps</i></b>		
<b>B10.30</b>	Welded Attachments	N/A for Shearon Harris 1
<b><i>Valves</i></b>		
<b>B10.40</b>	Welded Attachments	N/A for Shearon Harris 1

<b>Table B-K</b>					
<b>Item Numbers</b>	<b>Parts Examined</b>	<b>Number of Items</b>	<b>Number of Examinations Scheduled by Period</b>		
			<b>1</b>	<b>2</b>	<b>3</b>
<b>B10.10</b>	Welded Attachments	5	1	0	0
<b>B10.20</b>	Welded Attachments	17 <sup>1</sup>	0	1	2
<b>Totals:</b>		<b>22</b>	<b>1</b>	<b>1</b>	<b>2</b>

Notes:

1. There are 9 Class 1 IWF F-A support items selected for examination that contain a welded attachment. Therefore only 10% of these require B10.20 examination (10% of 9 is 0.9 rounded to 1). Three B10.20 items are scheduled for examination.
2. All B10.10 components at HNP are associated with the Pressurizer.
3. There are no B10.30 or B10.40 items applicable to HNP.

11.10 Category B-L-2, Pump Casings

Table B-L-2					
Item Numbers	Parts Examined <sup>1</sup>	Number of Items	Number of Examinations Scheduled by Period <sup>2</sup>		
			1	2	3
B12.20 <sup>1</sup>	Pump Casings (B-L-2)	3	0	0	0
Totals:		3	0	0	0

Notes:

1. Examination is required only when a pump is disassembled for maintenance or repair in accordance with Note (2) of Table IWB-2500-1. A complete examination is required once per interval, if disassembled, therefore it is tracked by the ten year ISI plan for completion.
2. During the 4th Interval, the B 12.20 examinations are scheduled every outage to help ensure that if any are disassembled, the required examinations will be performed.

11.11 Category B-M-2, Valve Bodies

- 11.11.1 Table B-M-2 provides the examination scope and schedule for Table IWB-2500-1, examination Category B-M-2, "Valve Bodies."
- 11.11.2 The percentage of scheduled examinations for examination category B-M-2 was developed in accordance with IWB-2411(a)(4) which allows examinations to be deferred until disassembly of a component for maintenance, repair/replacement activity, or volumetric examination.
- 11.11.3 Valve inspections under examination category B-M-2, Item No. B12.50, have been grouped based on size, constructional design, manufacturing method, and function in accordance with Note (3) of Table IWB-2500-1, Examination Category B-M-2. These valve groupings are as follows:
  - Group 1: 6 inch, Crosby Valves, PRV: 1RC-123, 1RC-125 & 1RC-127.
  - Group 2: 12 inch, WEC, Gate Valves: 1-RH-1, 1RH-2, 1RH-39, & 1RH-40.
  - Group 3: 6 inch, WEC, Check Valves: 1SI-81, 1SI-82, 1SI-83, 1SI-134, 1SI-135, 1SI-136, 1SI-137, 1SI-138, 1SI-356, 1SI-357 & 1SI-358.
  - Group 4: 12 inch, WEC, Check Valves: 1SI-249, 1SI-250, 1SI-251, 1SI-252, 1SI-253 & 1SI-254.

**IWB-2500-1      Component To Be Examined      Comments**  
**Item No.**

**Valves**  
**B12.50**      Valve Body, Exceeding NPS 4 (B-M-2)

<b>Table B-M-2</b>					
<b>Item Number s</b>	<b>Items Examined<sup>1</sup></b>	<b>Number of Items</b>	<b>Number of Examinations Scheduled by Period<sup>2</sup></b>		
			<b>1</b>	<b>2</b>	<b>3</b>
<b>B12.50</b>	Group 1 Valves	3	0	0	0
	Group 2 Valves	4	0	0	0
	Group 3 Valves	11	0	0	0
	Group 4 Valves	6	0	0	0
Totals:		24	0	0	0

Notes:

1. Examination is required only when a valve is disassembled for maintenance or repair in accordance with Note (2) of Table IWB-2500-1, Examination Category B-M-2. A complete examination is required once per interval for one valve in each group, if disassembled, therefore, it is tracked by the ten year ISI plan for completions.
2. During the 4th Interval, the B 12.50 examinations are scheduled every outage to help ensure that if any are disassembled, the required examinations will be performed.

11.12 Category B-N-1, Interior of Reactor Vessel, Category B-N-2, Welded Core Support Structures and Interior Attachments to Reactor Vessels, and Category B-N-3, Removable Core Support Structures

<b><u>IWB-2500-1</u></b>	<b><u>Component To Be Examined</u></b>	<b><u>Comments</u></b>
<b><u>Item No.</u></b>		
<b>Reactor Vessel</b>		
<b>B13.10</b>	Vessel Interior (B-N-1)	Each Inspection Period
<b>Reactor Vessel (PWR)</b>		
<b>B13.50</b>	Interior Attachments Within Beltline Region (B-N-2)	N/A for Shearon Harris 1
<b>B13.60</b>	Interior Attachments Beyond Beltline Region (B-N-2)	
<b>B13.70</b>	Core Support Structure (B-N-3)	

Table B-N-1, B-N-2, and B-N-3 <sup>1</sup>					
Item Numbers	Parts Examined	Number of Items	Number of Examinations Scheduled by Period		
			1	2	3
<b>B13.10</b>	Vessel Interior (B-N-1)	1	1	1	1 <sup>2</sup>
<b>B13.60</b>	Interior Attachments Beyond Beltline Region (B-N-2) <sup>3</sup>	5	0	0	5
<b>B13.70</b>	Core Support Structure (B-N-3)	1	0	0	1
Totals:		7	1	1	7

Notes:

1. AR 2018018 was written to identify all items in scope of these exams for the 4<sup>th</sup> Interval Update Project. (Also see related AR# 01951482).
2. It is Duke Energy's position that during one of the 3 inspection periods, The B-N-1 examinations shall be performed during a refueling outage in which the core barrel is removed. This is to ensure that all interior surface areas made accessible by removal of the core barrel are examined at least once during each inspection interval. B-N-1 examinations performed during the other 2 inspection periods need not be scheduled for a refueling outage in which the core barrel is also scheduled to be removed. This item is scheduled in H126 and aligns with Category B-A, B-D, and B-N-3 exams.
3. The B13.60 items include the lower core supports and the (50) Bottom Mounted Instrumentation (BMI) Nozzle attachment welds to the bottom head. There is one Summary Number for each of the lower core supports and one Summary Number for all 50 BMI Nozzle welds.
4. There are no B13.20, B13.30, B13.40 or B13.50 items applicable to HNP.

11.13 Category B-O, Pressure Retaining Welds in Control Rod Drive and Instrument Nozzle Housings

<b>IWB-2500-1 Item No.</b>	<b><u>Component To Be Examined</u></b>	<b><u>Comments</u></b>
<b><i>Reactor Vessel</i></b>		
<b>B14.20</b>	Welds in CRD Housings	
B14.21	Welds in In-Core Instrumentation Nozzle Housings > NPS 2 inch.	N/A for Shearon Harris 1



Table B-O					
Item Numbers	Parts Examined	Number of Periphery CRDM Welds	Number of Examinations Scheduled by Period		
			1	2	3
<b>B14.20</b>	Welds in CRD Housing <sup>1</sup>	24	0	0	3
Totals:		24	0	0	3

Notes:

1. 10% of the periphery (outermost) CRDM welds are required to be examined. HNP has 24 periphery CRDM welds, so 3 examinations are required.

#### 11.14 Category B-P, All Pressure Retaining Components

<u>IWB-2500-1</u> <u>Item No.</u>	<u>Component To Be Examined</u>	<u>Comments</u>
<b>B15.10</b>	Pressure Retaining Components	Reference Duke Energy 4th Interval Inservice Inspection Pressure Test Plan
<b>B15.20</b>	Pressure Retaining Components	Reference Duke Energy 4th Interval Inservice Inspection Pressure Test Plan

Note: Shearon Harris Pressure Testing Plan and Schedule for 4<sup>th</sup> Interval is HNP-PM4-005.

#### 11.15 Category B-Q, Steam Generator Tubing

11.15.1 As indicated in Table IWB-2500-1, Category B-Q Notes, volumetric examination of Steam Generator Tubing shall be governed by plant Technical Specifications.

11.15.2 The extent and frequency of these examinations are governed by HNP, Unit 1, Technical Specification 6.8.4.L, "Steam Generator (SG) Tube Surveillance Inservice Inspection Program." Programmatic requirements for steam generator tube examinations are specified in the "Steam Generator (SG) Management Program," implementing procedure PD-EG-PWR-1801.

#### 11.16 Class 1 Components Exempted From Volumetric and Surface Examination

11.16.1 Components that are connected to the reactor coolant system and part of the reactor coolant pressure boundary, and that are of such a size and shape so that upon postulated rupture the resulting flow of coolant from the reactor coolant system under normal plant operating conditions is within the capacity of make-up systems that are operable from on-site emergency power. The emergency core cooling systems are excluded from the calculation of makeup capacity. Reference Section XI, Paragraph IWB-1220(a).

- 11.16.2 Components and piping segments NPS 1 and smaller, except for steam generator tubing. Reference Section XI, Paragraph IWB-1220(b)(1).
- 11.16.3 Components and piping segments which have one inlet and one outlet, both of which are NPS 1 (DN25) and smaller. Reference Section XI, Paragraph IWB-1220(b)(2).
- 11.16.4 Components and piping segments which have multiple inlets or multiple outlets whose cumulative pipe cross-sectional area does not exceed the cross-sectional area defined by the OD of NPS 1 pipe. Reference Section XI, Paragraph IWB-1220(b)(3).
- 11.16.5 Reactor vessel head connections and associated piping, NPS 2 and smaller, made inaccessible by control rod drive penetrations. Reference Section XI, Paragraph IWB-1220(c).
- 11.16.6 Welds or portions of welds that are inaccessible due to being encased in concrete, buried underground, located inside a penetration, or encapsulated by guard pipe. Reference Section XI, Paragraph IWB-1220(d).

## 12.0 Subsection IWC for Class 2 Components

The inservice inspection of ASME Class 2 Components shall be performed in accordance with the requirements of Article IWC-2000 of Section XI. A description of examination listings and schedules are found in HNP-PM4-003. Class 2 examinations were scheduled for the Fourth Inspection Interval in accordance with the following table from ASME Section XI Inspection Program:

**Table IWC-2411-1**

<b>Inspection Interval</b>	<b>Inspection Period, Calendar Years of Plant Service Within the Interval</b>	<b>Minimum Examinations Completed, %</b>	<b>Maximum Examinations Credited, %</b>
4th	3	16	50
	7	50 (Note 1)	75
	10	100	100

Note 1: If the first period completion percentage for any examination category exceeds 34%, at least 16% of the required examinations shall be performed in the second period.

### 12.1 Examination Categories and Requirements

12.1.1 The examination categories to be used are those listed in Table IWC-2500-1 of Section XI. Specific examinations shall be identified by an Item Number listed in Table IWC-2500-1 of Section XI along with a summary number which is preceded by an H to designate Shearon Harris Unit 1, plus an additional number to uniquely identify that examination. (Example: H-03743)

12.1.2 Class 2 Components that are subject to examination are identified in Sections 12.2 through 12.8.

### 12.2 Category C-A, Pressure Retaining Welds in Pressure Vessels

Category C-A examinations are no longer required as a result of implementing a Risk-Informed inservice inspection program for Class 2. See Section 16.0 for additional information.

### 12.3 Category C-B Pressure Retaining Nozzle Welds in Vessels

Category C-B examinations are no longer required as a result of implementing a Risk-Informed inservice inspection program for Class 2. See Section 16.0 for additional information.

12.4 Category C-C, Welded Attachments for Vessels, Piping, Pumps, and Valves

<b>IWC-2500-1 Item No.</b>	<b><u>Component To Be Examined</u></b>	<b><u>Comments</u></b>
<b><i>Pressure Vessels</i></b>		
<b>C3.10</b>	Welded Attachments	
<b><i>Piping</i></b>		
<b>C3.20</b>	Welded Attachments	
<b><i>Pumps</i></b>		
<b>C3.30</b>	Welded Attachments	
<b><i>Valves</i></b>		
<b>C3.40</b>	Welded Attachments	N/A for Shearon Harris Unit 1

<b>Table C-C</b>					
<b>Item Numbers</b>	<b>Parts Examined</b>	<b>Number of Items</b>	<b>Number of Examinations Scheduled by Period</b>		
			<b>1</b>	<b>2</b>	<b>3</b>
<b>C3.10</b>	Pressure Vessel Welded Attachments	13 <sup>1</sup>	2	0	2
<b>C3.20</b>	Pipe Welded Attachments	153 <sup>2</sup>	0	2	2
<b>C3.30</b>	Pump Welded Attachments	24 <sup>3</sup>	0	4	0
<b>Totals:</b>		<b>190</b>	<b>2</b>	<b>6</b>	<b>4</b>

Notes:

1. Per note 4 in IWC-2500-1 for single vessels only one support shall be selected for exam. Of the multiple vessels, only one welded attachment from one of the multiple vessel is required to be examined (only required to examine one welded attachment on multiple or single vessels).
2. There are 35 Class 2 IWF F-A supports items selected for examination that contain a welded attachment. Therefore only 10% of these are required C 3.20 exams (10% of 35 is 3.5, which has been rounded to 4).
3. There are seven pumps that have C 3.30 attachments and 10% of these require examination. Charging Safety Injection Pump A is selected for examination and the associated four welded attachments.
4. There are no C3.40 items applicable to HNP.

- 12.5 Category C-D, Pressure Retaining Bolting Greater Than 2 in. In Diameter  
 Category C-D examinations are no longer required as a result of implementing a Risk-Informed inservice inspection program for Class 2. See Section 16.0 for additional information.
- 12.6 Category C-F-1, Pressure Retaining Welds in Austenitic Stainless Steel or High Alloy Piping  
 Category C-F-1 examinations are no longer required as a result of implementing a Risk-Informed inservice inspection program for Class 2. See Section 16.0 for additional information.
- 12.7 Category C-F-2, Pressure Retaining Welds in Carbon or Low Alloy Steel Piping  
 Category C-F-2 examinations are no longer required as a result of implementing a Risk-Informed inservice inspection program for Class 2. See Section 16.0 for additional information.
- 12.8 Category C-H, All Pressure Retaining Components

<b>IWC-2500-1 Item No.</b>	<b><u>Component To Be Examined</u></b>	<b><u>Comments</u></b>
<b>C7.10</b>	Pressure retaining components	Reference Duke Energy Corporation Inservice Inspection Pressure Test Plan

Note: Shearon Harris Pressure Testing Plan for 4<sup>th</sup> Interval is HNP-PM4-005.

- 12.9 Class 2 Components within Residual Heat Removal (RHR), Emergency Core Cooling (ECC), and Containment Heat Removal (CHR) Systems Exempted From Volumetric and Surface Examination
- 12.9.1 Components and piping segments NPS 4 and smaller in all systems except high pressure safety injection systems. Reference Section XI, Paragraph IWC-1221(a)(1).
- 12.9.2 Components and piping segments which have one inlet and one outlet, both of which are NPS 4 and smaller in all systems except high pressure safety injection systems. Reference Section XI, Paragraph IWC-1221(a)(2).
- 12.9.3 Components and piping segments which have multiple inlets or multiple outlets, whose cumulative pipe cross-sectional area does not exceed the cross-sectional area defined by the OD of NPS 4 pipe in all systems except high pressure safety injection systems. IWC-1221(a)(3), Footnote (2) clarifies that for heat exchangers, the shell side and the tube side may be considered separate components. Reference Section XI, Paragraph IWC-1221(a)(3).

- 12.9.4 Components and piping segments NPS 1 ½ and smaller in high pressure safety injection systems. Reference Section XI, Paragraph IWC-1221(b)(1).
  - 12.9.5 Components and piping segments which have one inlet and one outlet, both of which are NPS 1 1/2 and smaller in high pressure safety injection systems. Reference Section XI, Paragraph IWC-1221(b)(2).
  - 12.9.6 Components and piping segments which have multiple inlets or multiple outlets, whose cumulative pipe cross-sectional area does not exceed the cross-sectional area defined by the OD of NPS 1 1/2 pipe. IWC-1221(b)(3), Footnote (2) clarifies that for heat exchangers, the shell side and the tube side may be considered separate components. Reference Section XI, Paragraph IWC-1221(b)(3).
  - 12.9.7 Vessels, piping, pumps, valves, and other components and their connections of any size in statically pressurized, passive (i.e., no pumps) safety injection systems. Reference Section XI, Paragraph IWC-1221(c).
  - 12.9.8 Piping and other components of any size beyond the last shutoff valve in open ended portions of systems that do not contain water during normal plant operation. Reference Section XI, Paragraph IWC-1221(d).
- 12.10 Class 2 Components within Systems Other Than RHR, ECC, and CHR Exempted From Volumetric and Surface Examination
- 12.10.1 For systems, except auxiliary feedwater systems: components and piping segments, NPS 4 and smaller. Reference Section XI, Paragraph IWC-1222(a)(1).
  - 12.10.2 For systems, except auxiliary feedwater systems: components and piping segments which have one inlet and one outlet, both of which are NPS 4 and smaller. Reference Section XI, Paragraph IWC-1222(a)(2).
  - 12.10.3 For systems, except auxiliary feedwater systems: components and piping segments which have multiple inlets or multiple outlets, whose cumulative pipe cross-sectional area does not exceed the cross-sectional area defined by the OD of NPS 4 pipe. IWC-1222(a)(3), Footnote (2) clarifies that for heat exchangers, the shell side and the tube side may be considered separate components. Reference Section XI, Paragraph IWC-1222(a)(3).
  - 12.10.4 For auxiliary feedwater systems: Components and piping segments NPS 1 1/2 and smaller. Reference Section XI, Paragraph IWC-1222(b)(1).
  - 12.10.5 For auxiliary feedwater systems: components and piping segments which have one inlet and one outlet, both of which are NPS 1-1/2 and smaller. Reference Section XI, Paragraph IWC-1222(b)(2).

- 12.10.6 For auxiliary feedwater systems: components and piping segments which have multiple inlets or multiple outlets, whose cumulative pipe cross-sectional area does not exceed the cross-sectional area defined by the OD of NPS 1-1/2 pipe. IWC-1222(b)(3), Footnote (2) clarifies that for heat exchangers, the shell side and the tube side may be considered separate components. Reference Section XI, Paragraph IWC-1222(b)(3).
- 12.10.7 Vessels, piping, pumps, valves, other components, and component connections of any size in systems or portions of systems that operate (when the system function is required) at a pressure equal to or less than 275 psig and at a temperature equal to or less than 200° F. Reference Section XI, Paragraph IWC-1222(c).
- 12.10.8 Piping and other components of any size beyond the last shutoff valve in open ended portions of systems that do not contain water during normal plant operating conditions. Reference Section XI, Paragraph IWC-1222(d).

#### 12.11 Class 2 Inaccessible Welds Exempted from Examination

Welds or portions of welds that are inaccessible due to being encased in concrete, buried underground, located inside a penetration, or encapsulated by guard pipe are exempted from examination requirements. Reference Section XI, Paragraph IWC-1223.

### 13.0 Subsection IWD for Class 3 Components

#### 13.1 Description of Inservice Inspection Plan for ASME Class 3 Components

The inservice inspection of ASME Class 3 Components shall be performed in accordance with the requirements of Article IWD-2000 of Section XI. A description of examination listings and schedules are found in HNP-PM4-003. Class 3 examinations were scheduled for the Fourth Inspection Interval in accordance with the following table from ASME Section XI Inspection Program:

Table IWD-2411-1

Inspection Interval	Inspection Period, Calendar Years of Plant Service Within the Interval	Minimum Examinations Completed, %	Maximum Examinations Credited, % [Note 1]
4 <sup>th</sup>	3	16	50
	7	50 (Note 1)	75
	10	100	100

Note 1: If the first period completion percentage for any examination category exceeds 34%, at least 16% of the required examinations shall be performed in the second period.

#### 13.2 Examination Categories and Requirements

13.2.1 The examination categories to be used are those listed in Table IWD-2500-1 of Section XI. Specific examinations shall be identified by an Item Number listed in Table IWD-2500-1 of Section XI along with a summary number which is preceded by an H to designate Shearon Harris Unit 1, plus an additional number to uniquely identify that examination. (Example: H-03743)

13.2.2 Class 3 Components that are subject to examination are identified in Sections 13.3 and 13.4.



13.3 Category D-A, Welded Attachments for Vessels, Piping, Pumps, and Valves

<b>IWD-2500-1 Item No.</b>	<b><u>Component to be Examined</u></b>	<b><u>Comments</u></b>
<b>Pressure Vessels</b>		
<b>D1.10</b>	Welded Attachments	
<b>Piping</b>		
<b>D1.20</b>	Welded Attachments	
<b>Pumps</b>		
<b>D1.30</b>	Welded Attachments	
<b>Valves</b>		
<b>D1.40</b>	Welded Attachments	N/A for Shearon Harris 1

<b>Table D-A</b>					
<b>Item Number</b>	<b>Parts Examined</b>	<b>Number of Items</b>	<b>Number of Examinations Scheduled by Period</b>		
			<b>1</b>	<b>2</b>	<b>3</b>
<b>D1.10</b>	Pressure Vessel Welded Attachments	24 <sup>1</sup>	1	2	1
<b>D1.20</b>	Piping Welded Attachments	149 <sup>2</sup>	5	6	5
<b>D1.30</b>	Pumps Welded Attachments	6 <sup>2</sup>	0	0	2
<b>Totals:</b>		179	6	8	8

Notes:

- Per note 3 in Table IWD-2500-1, all welded attachments selected for examination shall be those most subject to corrosion as determined by the owner, such as Service Water or Emergency Service Water systems. For multiple vessels of similar design, function, and service, the welded attachments of only one of the multiple vessels shall be selected for examination. For single vessels, only one welded attachment shall be selected for examination. The attachment weld selected shall be under continuous load during normal system operation.
- For welded attachments on piping and pumps, a 10% sample shall be selected for examination. This percentage sample shall be prorated to the total number of nonexempt welded attachments connected to the piping and pumps in each system subject to these examination.
- There are no D1.40 items applicable to HNP.

13.4 Category D-B, All Pressure Retaining Components

<b>IWD-2500-1 Item No.</b>	<b><u>Component To Be Examined</u></b>	<b><u>Comments</u></b>
<b>D2.10</b>	Pressure retaining components	Reference Duke Energy Corporation Inservice Inspection Pressure Test Plan

Note: Shearon Harris Pressure Testing Plan for 4<sup>th</sup> Interval is HNP-PM4-005.

13.5 Class 3 Components Subject to Examination

13.5.1 Per IWD-1210, the requirements of Subsection IWD apply only to those Class 3 components and welded attachments that support the following functions:

- (a) reactor shutdown
- (b) emergency core cooling
- (c) containment heat removal
- (d) atmosphere cleanup
- (e) reactor residual heat removal
- (f) residual heat removal from spent fuel storage pool

13.5.2 Class 3 components that do not support any of the above functions are not subject to the requirements of Subsection IWD.

13.6 Class 3 Components Exempt From Examination (IWD-1220)

The following components or portions of components are exempted from the VT-1 visual examination requirements of IWD-2500:

- 13.6.1 Components and piping segments NPS 4 (DN 100) and smaller. Reference Section XI, Paragraph IWD-1220(a)
- 13.6.2 Components and piping segments which have one inlet and one outlet, both of which are NPS 4 (DN 100) and smaller. Reference Section XI, Paragraph IWD-1220(b).
- 13.6.3 Components and piping segments which have multiple inlets or multiple outlets whose cumulative pipe cross-sectional area does not exceed the cross-sectional area defined by the OD of NPS 4 (DN 100) pipe. Reference Section XI, Paragraph IWD-1220(c).
- 13.6.4 Components that operate at a pressure of 275 psig or less and at a temperature of 200°F or less in systems (or portions of systems) whose function is not required in support of reactor residual heat removal, containment heat removal, and emergency core cooling. Reference Section XI, Paragraph IWD-1220(d).
- 13.6.5 Welds or portions of welds that are inaccessible due to being encased in concrete, buried underground, located inside a penetration, or

encapsulated by guard pipe. Reference Section XI, Paragraph IWD-1220(e).

## 14.0 Subsection IWE for Class MC and Metallic Liners of Class CC

### 14.1 Bases and Scope

- 14.1.1 The IWE examinations are based upon the requirements of ASME Section XI. Specific examinations are based on the requirements of the ASME B&PV Code, Section XI, Table IWE-2500-1.
- 14.1.2 Class MC Components that are subject to examination are identified in Sections 14.2 through 14.4.

### 14.2 Table IWE-2500-1, Examination Category E-A, Containment Surfaces

Table E-A					
Item Numbers	Parts Examined	Number of Items	Number of Examinations Scheduled by Period		
			1	2	3
E1.11	Accessible Surface Areas <sup>1</sup>	178	178	178	178
E1.12	Wetted Surfaces of Submerged Areas	N/A	N/A	N/A	N/A
E1.20	BWR Vent System Accessible Surface Areas	N/A	N/A	N/A	N/A
E1.30	Moisture Barrier <sup>3</sup>	5 <sup>2</sup>	5	5	5

Notes:

1. Portions of the surfaces (including bolted connections) of electrical penetrations are considered inaccessible for general visual examination in accordance with Category E-A, E 1.11 because welded electrical junction boxes are attached just off of the containment wall, not allowing sufficient space to perform this visual examination. Containment bolted connections shall be scheduled for examination in accordance with Category E-G.
2. At the start of the 3<sup>rd</sup> Containment ISI Interval see additional evaluation under AR# 2029094 task 01 due to NRC RIS# 2016-07. There is one summary number (110400) that represents the E1.30 for contingency findings from the WO #20127962 but it is only scheduled for RFO23 in the 3<sup>th</sup> Interval.
3. HNP performed an evaluation under AR# 686620 and found no items that had to be addressed as a result of NRC Information Notice 2014-17 "Degradation of Leak-Chase Channel Systems for Floor Welds of Metal Containment Shell and Concrete Containment Metallic Liner".

14.3 Table IWE-2500-1, Examination Category E-C, Containment Surfaces Requiring Augmented Examination

Table E-C <sup>1</sup>					
Item Numbers	Parts Examined	Number of Items	Number of Examinations Scheduled by Period		
			1	2	3
<b>E4.10</b> <b>E4.11</b>	Containment Surface Areas Visible Surfaces	None <sup>2</sup>	1 <sup>3</sup>	0	0
<b>E4.12</b>	Surface Area Grid – Minimum Wall Thickness Location	None <sup>2</sup>	0	0	0

Notes:

1. In accordance with the Third Ten-Year Interval Containment Inservice Inspection Plan and Schedule, if areas are identified requiring augmented examinations (E-C) during the interval, then they will be listed in the “E-C AUGMENT” section of the Third Ten-Year Interval Containment Inservice Inspection Schedule.
2. At the start of the 3<sup>rd</sup> Containment ISI Interval, there were no items identified requiring examination in accordance with Category E-C, E4.12. There is one summary number that represents the E4.11 contingency use but it has no scheduling assigned at start of 3<sup>th</sup> Interval.
3. One augmented exam has been added to Category E-C, Item E4.11 for the 3<sup>rd</sup> Containment ISI Interval. This area is normally considered inaccessible for examination in accordance with Item E1.11 because of extensive lead shielding that would have to be removed on the exterior side of the containment in the vicinity of the fuel transfer tube Penetration S-65. Examination may be discontinued after the first examination of this area if there are no conditions observed during the examination that warrant continued examination in accordance with IWE-2420(b).

14.4 Table IWE-2500-1, Examination Category E-G, Pressure Retaining Bolting

Table E-G <sup>1</sup>					
Item Numbers	Parts Examined	Number of Items	Number of Examinations Scheduled by Period		
			1	2	3
<b>E8.10</b>	Bolted Connections	90	54	36	0

Notes:

1. 100% of exams are required to be performed by the end of Interval. Deferral to the end of the interval is permissible.

## 15.0 Subsection IWF for Class 1, 2, 3, MC, CC

### 15.1 Subsection IWF for Class 1, 2, 3, and MC Supports Exempted From VT-3 Examination

Supports exempt from the examination requirements of IWF-2000 are those connected to piping and other items exempted from volumetric, surface, or VT-1 or VT-3 visual examination by IWB-1220, IWC-1220, and IWD-1220. In addition, portions of supports that are inaccessible by being encased in concrete, buried underground, or encapsulated by guard pipe are also exempt from the examination requirements of IWF-2000. Reference Section XI, Paragraph IWF-1230.

### 15.2 Category F-A, Class 1 Supports

<b><u>IWF-2500-1 Item No.</u></b>	<b><u>Component To Be Examined</u></b>	<b><u>Comments</u></b>
F1.10A	Class 1 Piping Supports (Type A)	See Note
F1.10B	Class 1 Piping Supports (Type B)	See Note
F1.10C	Class 1 Piping Supports (Type C)	See Note
F1.40	Supports Other Than Piping Supports (Class 1)	

Note: Duke has established Item numbers as shown to categorize support types as specified in Table IWF-2500-1, Footnote (1). Type A supports are one directional (e.g., rod hangers); Type B supports are multidirectional restraints; and Type C supports are those that allow thermal movement, such as springs.

### 15.3 Category F-A, Class 2 Supports

<b><u>IWF-2500-1 Item No.</u></b>	<b><u>Component To Be Examined</u></b>	<b><u>Comments</u></b>
F1.20A	Class 2 Piping Supports (Type A)	See Note
F1.20B	Class 2 Piping Supports (Type B)	See Note
F1.20C	Class 2 Piping Supports (Type C)	See Note
F1.40	Supports Other Than Piping Supports (Class 2)	

Note: Duke has established Item numbers as shown to categorize support types as specified in Table IWF-2500-1, Footnote (1). Type A supports are one directional (e.g., rod hangers); Type B supports are multidirectional restraints; and Type C supports are those that allow thermal movement, such as springs.

15.4 Category F-A, Class 3 Supports

<b><u>IWF-2500-1 Item No.</u></b>	<b><u>Component to be Examined</u></b>	<b><u>Comments</u></b>
F1.30A	Class 3 Piping Supports (Type A)	See Note
F1.30B	Class 3 Piping Supports (Type B)	See Note
F1.30C	Class 3 Piping Supports (Type C)	See Note
F1.40	Supports Other than Piping Supports (Class 3)	

Note: Duke has established Item numbers as shown to categorize support types as specified in Table IWF-2500-1, Footnote (1). Type A supports are one directional (e.g., rod hangers); Type B supports are multidirectional restraints; and Type C supports are those that allow thermal movement, such as springs.

15.5 Category F-A, Class MC Supports

<b><u>IWF-2500-1 Item No.</u></b>	<b><u>Component to be Examined</u></b>	<b><u>Comments</u></b>
F1.40	Supports Other than Piping Supports (Class MC)	Harris has no Class MC supports.

Table F-A							
Item Numbers	Code Class and Support Type	Number of Supports	Examination Percentage Required	Minimum No. of Supports Required to be Examined	Number of Examinations Scheduled by Period		
					1	2	3
<b>F1.10 (A,B &amp; C)</b>	Class 1 Piping Supports	269	25%	68	24	26	23
<b>F1.20 (A,B &amp; C)</b>	Class 2 Piping Supports	1027	15%	155	41	59	63
<b>F1.30 (A,B &amp; C)</b>	Class 3 Piping Supports	1053	10%	106	22	46	44
<b>F1.40<sup>1</sup></b>	Supports Other Than Piping Supports (Class 1)	32	100% <sup>1</sup>	16	4	5	7
<b>F1.40<sup>1</sup></b>	Supports Other Than Piping Supports (Class 2)	77	100% <sup>1</sup>	35	15	9	11
<b>F1.40<sup>1</sup></b>	Supports Other Than Piping Supports (Class 3)	75	100% <sup>1</sup>	36	3	17	16
<b>F1.40<sup>1</sup></b>	Supports Other Than Piping Supports (Class MC)	0	100% <sup>1</sup>	n/a	n/a	n/a	n/a
<b>F-A</b>	Totals:	2533	n/a	416	109	162	164

Notes:

1. Components scheduled in accordance with Table I WF-2500-1, Examination Category F-A, Item No. F1.40, Note (3) for multiple components. See Table F1.40 for additional information.



Table F1.40 - Supports Other Than Piping Supports (F-A, F1.40)						
Group	Number of Components in Group	Number of Supports in Group	Number of Supports Requiring Examination	Number of Examinations Scheduled By Period <sup>1</sup>		
				1	2	3
Pressurizer (Class 1)	1	1	1	1	0	0
Reactor Coolant Pump (Class 1)	3	9	3	3	0	0
Reactor Vessel (Class 1)	1	6	6	0	0	6
SG (Primary Side) (Class 1)	3	15	5	0	5	0
CRDM Seismic Support (Class 1)	1	1	1	0	0	1
Boron Injection Tank (Class 2)	1	4	4	4	0	0
Charging/Safety Injection Pump (Class 2)	3	15	5	0	5	0
Containment Spray Pump (Class 2)	2	6	3	0	0	3
Refueling Water Storage Tank (Class 2)	1	1	1	0	0	1
Seal Water Injection Filter (Class 2)	2	6	3	0	0	3
Containment Fan Cooler (8 Coolers on 4 frames) (Class 2)	8	4	1	0	0	1
Volume Control Tank (Class 2)	1	1	1	0	0	1
RHR Heat Exchanger (Class 2)	2	16	8	8	0	0
RHR Pump (Class 2)	2	6	3	3	0	0
SG Upper/Lower Lateral (Class 2)	3	6	2	0	0	2
SG Snubbers (Class 2)	3	12	4	0	4	0
CCW Heat Exchanger (Class 3)	2	4	2	2	0	0
CCW Pump (Class 3)	3	15	5	0	5	0
Condenser Water Pump P7 (Class 3)	2	6	3	0	0	3
Chilled Water Pump (Class 3)	2	6	3	0	3	0
Emergency SW Pump (Class 3)	2	10	5	0	5	0
Emergency SW Pump Strainer (Class 3)	2	4	2	0	2	0
Letdown Heat Exchanger (Class 3)	1	2	2	0	2	0
SW Booster Pump (Class 3)	2	6	3	0	0	3
Seal Water Heat Exchanger (Class 3)	1	2	2	0	0	2
Water Chiller (Class 3)	2	16	8	0	0	8
Fuel Pool Heat Exchanger (Class 3)	4	4	1	1	0	0

Notes:

1. Components scheduled in accordance with examination category F-A, Item No. F1.40, Table IWF-2500-1, Note (3).for multiple components.

## 16.0 Subsection IWL for Class CC

### 16.1 Bases and Scope

- 16.1.1 The IWL examinations are based upon the requirements of ASME Section XI. Specific examinations are based on the requirements of the ASME B&PV Code, Section XI, Table IWL-2500-1 and the Third Ten-Year IWE/IWL Schedule.
- 16.1.2 Examination frequency shall be every 5 years, based on the initial inspection date of 09/07/2001 and every 5 years thereafter. The examinations shall commence no more than 12 months prior to the specified dates and shall be completed no more than 12 months after the specified dates.

Table L-A		
Item Numbers	Parts Examined	Areas Required to be Examined During Each Period <sup>1</sup>
L1.10 L1.11	Concrete Surface All accessible surface areas	100% (22 of 22 areas)
L1.12	Suspect Areas	100% (If any) <sup>2</sup>

Notes:

- See section 4.8 of this document for information on concrete containment examination periods. The IWL examination periods do not align with those for Class 1, 2, 3, and MC components.
- At the start of the 3rd Containment ISI Interval, there were no items identified requiring examination in accordance with Category L-A, Item L1.12. There is one summary number that represents the L1.12 for contingency use but it has no scheduling assigned at start of 3th Interval.

### 16.2 IWL Responsible Engineer

- 16.2.1 F. M. Dean, P.E. is the designated Harris IWL Responsible Engineer. His signature of approval on the cover page supports approval in the IWL Plan document and signifies that the information provide below is complete and accurate. His qualifications satisfy the Code requirements in IWL-2330. See also AR 02105637 Task 02 and the summary below:
- 16.2.2 Per IWL-2330, the Responsible Engineer shall be a Registered Professional Engineer experienced in evaluating the condition of structural concrete. The Responsible Engineer shall have knowledge of the design and Construction Codes and other criteria used in design and construction of concrete containments in nuclear power plants.

16.2.3 The following information provides the basis for Mr. Dean's qualifications to perform the duties of the IWL Responsible Engineer:

- Mr Dean is a Registered Professional Engineer by the North Carolina Board of Examiner for Engineers and Surveyors, with a license status of Current
- Mr Dean has a BS in Civil Engineering from North Carolina State University
- Mr. Dean is knowledgeable in the IWL examination criteria and technical bases provided in ESR 99-00379 IWE/IWL Program Development
- Mr. Dean has 35 years of experience within the HNP Engineering organization, with 20 years of experience in the HNP Civil/Mechanical Engineering organization, including 5 years of experience in the HNP Civil Design organization during HNP plant construction
- Mr. Dean is knowledgeable in the HNP Concrete Containment design criteria provided in design bases documents such as the FSAR Section 3.8 and 3.9, CAR1364.481S02 Containment Design Specification, and ESR 99-00379 IWE/IWL Program Development
- Mr. Dean is knowledgeable in the requirements of Design Basis Industry codes such as ACI 201, 207, 318 and 349

## 17.0 Subsection RI-ISI

- 17.1 HNP adopted the Code Case N-716-1 for implementing Risk-Informed In-service Inspections (RI-ISI). The RI-ISI Program will be in effect for the entire fourth ISI interval. This RI-ISI approach replaces the categorization, selection, and examination volume requirements for portions of ASME Section XI examination categories B-F, B-J, C-F-1, and C-F-2 applicable to HNP with examination category R-A as defined in Code Case N-716-1. Items that would have been included in ASME Categories C-A and C-B are now covered by the RI-ISI and defined in Code Case N-716-1.
- 17.2 Examination selections made in accordance with this Code Case N-716-1 shall be reevaluated at the end of each inspection period during the 4<sup>th</sup> Inservice Inspection Interval. For the inspection program, the third period reevaluation will serve as the subsequent inspection interval reevaluation. The performance of each inspection period reevaluation may be accelerated or delayed by as much as one year. Each reevaluation shall consider the cumulative effects of previous reevaluations.
- 17.3 Category R-A was established to address the examination requirements associated with the risk informed program at HNP. Schedules for examination are contained in HNP-PM4-003.
- 17.4 Risk Informed ISI methodology Code Case N-716-1 utilizes categorization of piping welds and Class 2 components (Vessels, Pumps, Valves, and Pressure-Retaining Bolting) in its scope into High Safety Significant (HSS) and Low Safety Significant (LSS) components. Piping welds are evaluated for the degradation mechanism (DM) associated with the piping system under consideration and they are assigned appropriate Item No. according to their DM per Table 1 Examination Categories of Code Case N-716-1.
- 17.5 Per Code Case N-716-1, the Class 2 components degradation mechanism evaluation is not required. Code Case N-716-1 does not provide Item No. to Examination Category R-A Class 2 component welds. HSS Examination Category R-A Class 2 component welds shall be selected and examined in accordance with Section XI. In order to differentiate Category R-A component welds Item No. from piping welds Item No. (CC N-716-1 Table 1), Harris Nuclear Plant assigns Item No. to HSS Cat. R-A Class 2 component welds as follows:
- Item No. R1.31-20: Elements same as Sect. XI Item No. C1.20 of Cat. C-A
  - Item No. R1.31-30: Elements same as Sect. XI Item No. C1.30 of Cat. C-A
  - Item No. R1.32-21: Elements same as Sect. XI Item No. C2.21 of Cat. C-B
  - Item No. R1.32-22: Elements same as Sect. XI Item No. C2.22 of Cat. C-B
- Items are selected for examination using the following criteria:
- Ten percent of the HSS piping welds shall be selected for examination. Selections have been set up by system as a good practice where

practical.

- A minimum of 25% of the piping welds population identified as susceptible to each degradation mechanism and degradation mechanism combination shall be selected for examination per system.
- At least of 10% of the Reactor Coolant Pressure Boundary (RCPB) piping weld population must be selected for examination. Selections have been set up by system as a good practice where practical.
- At least 2/3 of the RCPB piping welds selected for examination must be located between the first isolation valve and the reactor pressure vessel (i.e., inside the first isolation valve, or un-isolable). This requirement is for the RCPB. Selections have been set up by system as a good practice where practical.
- A minimum of 10% of the RCPB piping welds that lie outside containment must be selected for examination.
- A minimum of 10% of the Break Exclusion Region (BER) piping welds must be selected for examination per system.

17.6 Based on the evaluation performed (See HNP-PM4-001 for reference), under Category R-A, the following item numbers were derived (item number for piping weld is based on the item number from Table 1 Code Case N-716-1) as applicable to HNP Unit No. 1.

R-A TABLE Piping Welds (Item No. - Summary No. Count)							
Item Numbers	Parts Examined	Number of Welds	Percentage of Welds Required to be Examined	Welds Scheduled for Examination in Risk Informed Program	Number of Examinations Scheduled by Period		
					1	2	3
HSS Category							
<b>R1.11</b> Thermal Fatigue	Piping Welds	81	See Note 1	23	2	8	13
<b>R1.16</b> TGSCC,IGSCC	Piping Welds	33		9	0	4	5
<b>R1.17</b> MIC/Pitting	Piping Welds	26		3	0	0	3
<b>R1.20</b> Not subject to DM	Piping Welds	767		60	14	40	6
Total HSS		907		95	16	52	27

Notes:

1. Ten percent of the HSS piping welds shall be selected for examination. Selections have been set up by system as a good practice where practical. A minimum of 25%

of the piping welds population identified as susceptible to each degradation mechanism and degradation mechanism combinations shall be selected for examination per system.

2. There are welds in Item No. R 1.15 (PWSCC) that are not included in the table above and they are managed and inspected per the existing Augmented ISI (AISI) program. The following HSS welds (PWSCC) in RI-ISI are managed under AISI program N-770-1.

RI-ISI Program (R-A)		Augmented ISI Program N-770-1 (E-15)	
Item No.	Weld ID	Item No.	Weld ID
H-11132-RI	II-PZR-01NSEW-15	H-10693	II-PZR-01NSEW-15WOL
H-11133-RI	II-PZR-01NSEW-16	H-10694	II-PZR-01NSEW-16WOL
H-02991-RI	II-PZR-01NSEW-17	H-10695	II-PZR-01NSEW-17WOL
H-02992-RI	II-PZR-01NSEW-18	H-10696	II-PZR-01NSEW-18WOL
H-02993-RI	II-PZR-01NSEW-19	H-10697	II-PZR-01NSEW-19WOL
H-02994-RI	II-PZR-01NSEW-20	H-10698	II-PZR-01NSEW-20WOL
H-03808-RI	II-RV-001RVNOZAO-N-06SE	H-09631	II-RV-001RVNOZAO-N-06SE
H-03812-RI	II-RV-001RVNOZBO-N-02SE	H-09633	II-RV-001RVNOZBO-N-02SE
H-03816-RI	II-RV-001RVNOZCO-N-04SE	H-09635	II-RV-001RVNOZCO-N-04SE
H-03806-RI	II-RV-001RVNOZAI-N-01SE	H-09630	II-RV-001RVNOZAI-N-01SE
H-03810-RI	II-RV-001RVNOZBI-N-03SE	H-09632	II-RV-001RVNOZBI-N-03SE
H-03814-RI	II-RV-001RVNOZCI-N-05SE	H-09634	II-RV-001RVNOZCI-N-05SE

17.7 Based on the evaluation performed and no Item No. in N-716-1 assigned to the HSS Category R-A Class 2 component welds, the following item numbers were assigned to Class 2 component welds as applicable to HNP Unit No. 1.

<b>R-A Table</b>							
<b>Class 2 Pressure Retaining Welds in Pressure Vessels and Pressure Retaining Nozzle Welds in Vessels</b>							
<b>Item Numbers<sup>(2)</sup></b>	<b>Parts Examined</b>	<b>Number of Welds</b>	<b>Percentage of Welds Required to be Examined</b>	<b>Welds Scheduled for Examination in Risk Informed Program</b>	<b>Number of Examinations Scheduled by Period</b>		
					<b>1</b>	<b>2</b>	<b>3</b>
<b>HSS Category</b>							
<b>R1.31-20</b>	Elements same as ASME Sect. XI Item No. C1.20 of Category C-A	3	See Note 1	1 (Note 3)	0	1	0
<b>R1.31-30</b>	Elements same as ASME Sect. XI Item No. C1.30 of Category C-A	3		1 (Note 3)	0	0	1
<b>R1.32-21</b>	Elements same as ASME Sect. XI Item No. C2.21 of Category C-B	6		2 (Note 3)	1	1	0
<b>R1.32-22</b>	Elements same as ASME Sect. XI Item No. C2.22 of Category C-B	3		1 (Note 3)	0	0	1
<b>Total HSS:</b>		<b>15</b>		<b>5</b>	<b>1</b>	<b>2</b>	<b>2</b>

Notes:

1. Per Code Case N-716-1, Inspections of these Item No are per Sect. XI, IWC-2411.
2. CC N-716-1 does not have Item No. for Pressure Retaining Welds in Pressure Vessels and Pressure Retaining Nozzle Welds in Vessels. Item Nos. R1.31-20, R1.31-30, R1.32-21, and R1.32-22 are used for HNP.
3. Examination is limited to 1 of multiple components, as permitted by Table IWC-2500-1, Category C-A, (Table Note 3).

## **Appendix A - P&ID/ASME Code Boundary Drawings (Flow Diagrams)**

The following is a list of ISI Reference Drawings used as a reference for Shearon Harris Unit 1 for the Fourth Interval Inservice Inspection Plan. These drawings are “G” series Flow Diagrams use in accordance with the ISI Plan. These ISI “G” Series Reference Drawings are stored electronically and can be found in the Nuclear Fusion Electronic Document Management System (EDMS).

Class 1, 2, and 3 components shown on these drawings are subject to change. Please refer to the specific drawings listed to determine the scope of Class 1, 2, and 3 components shown on these drawings.

Note: The controlled listing of P&ID/Code Boundary Reference Drawings is included in the Basis Document for the 4th Inservice Inspection Interval, Document No. HNP-PM4-001. The information in Appendix A has been duplicated from this document and has not been re-validated by the checker of the ISI Plan and has been provided for information only.



<b>"G" series Drawing</b>	<b>Title</b>	<b>Basis Document Sections</b>
CAR-2165-G-042	Main Steam System	1.5.1
CAR-2165-G-0044	Feedwater and Auxiliary Feedwater Systems	1.5.2 1.5.3
CAR-2165-G-044 S02	Feedwater Systems	1.5.3
CAR-2165-G-045	Condensate and Air Evacuation Systems	1.5.3
CAR-2165-G-047	Circulating and Service Water Systems	1.5.4 1.5.18
CAR-2165-G-050	Containment Spray System	1.5.5
CAR-2165-G-051	Steam Generator Blowdown System	1.5.6
CAR-2165-G-052	Sampling System	1.5.12 1.5.14 1.5.18
CAR-2165-G-0061	Fuel Pools Clean-up Systems sheet 1	1.5.18
CAR-2165-G-0063	Diesel Fuel Oil System	1.5.7
CAR-2165-G-0105	Radiation Monitor and Hydrogen Analyzer Systems	1.5.11 1.5.18
CAR-2165-G-0133	Diesel Generator Systems (air intake and exhaust Lube oil)	1.5.7
CAR-2165-G-0133 S03	Diesel Generator System (Fuel Oil and Drainage)	1.5.7
CAR-2165-G-0133 S04	Diesel Generator Systems (Starting Air)	1.5.7
CAR-2165-G-0166	Containment Penetration Pressurization System	1.5.18
CAR-2165-G-0185	Containment, Turbine Building, Tank Area, and Security Building Drainage System	1.5.18
CAR-2165-G-0299 S02	Primary and Demineralizer Water Systems (Reactor Auxiliary Building)	1.5.8 1.5.18
CAR-2165-G-0300	Service Air System	1.5.18
CAR-2165-G-0301	Instrument Air System	1.5.18
5-G-0305	Fuel Pools Cooling System – Unit 1	1.5.9
5-G-0307	Fuel Pools Cooling System – Unit 2	1.5.9
CAR-2165-G-0308	Cooling Tower Blowdown, Makeup, and Intake Structures Screen Wash Systems	1.5.4
CAR-2165-G-0388	Fire Protection System Sheet 4	1.5.18

<b>"G" series Drawing</b>	<b>Title</b>	<b>Basis Document Sections</b>
CAR-2165-G-0416	Containment Integrated Leakage Detection System	1.5.18
CAR-2165-G-0436	Intake Structures Pump Seal Bearing Lubrication and Motor Cooling Water Systems	1.5.4 1.5.18
CAR-2168-G-0498	HVAC Essential Services (Chilled Water Distribution Unit 1-SA)	1.5.10
CAR-2168-G-0498 S02	HVAC Essential Services (Chilled Water Condenser Unit 1-SA)	1.5.4 1.5.10
CAR-2168-G-0498 S03	HVAC Essential Services (Chilled Water Cooling Coils Unit 1-SA)	1.5.10
CAR-2168-G-0499	HVAC Essential Services (Chilled Water Distribution System Unit 1-SB)	1.5.10
CAR-2168-G-0499 S02	HVAC Essential Services (Chilled Water Condenser Unit 1-SB)	1.5.4 1.5.10
CAR-2168-G-0499 S03	HVAC Essential Services (Chilled Water Cooling Coils Unit 1-SB)	1.5.10
CAR-21685-G-0499 S04	HVAC Essential Services (Chilled Water Cooling Coils Unit 1-SB)	1.5.10
CAR-2168-G-0517	HVAC Air Flow – Containment Building, FHB, RAB and Cont. Room	1.5.11 1.5.18
CAR-2165-G-0800	Reactor Coolant System Sheet 1	1.5.12
CAR-2165-G-0801	Reactor Coolant System Sheet 2	1.5.12 1.5.18
CAR-2165-G-0803	Chemical and Volume Control System	1.5.13
CAR-2165-G-0804	Chemical and Volume Control System Sheet 2	1.5.13
CAR-2165-G-0805	Chemical and Volume Control System	1.5.13
CAR-2165-G-0806	Chemical and Volume Control System Sheet 4	1.5.13
CAR-2165-G-0807	Chemical and Volume Control System	1.5.13
CAR-2165-G-0808	Safety Injection System	1.5.14
CAR-2165-G-0809	Safety Injection System Sheet 2	1.5.14 1.5.18
CAR-2165-G-0810	Safety Injection System Sheet 3	1.5.14
CAR-2165-G-0813	Containment Building Waste Processing System	1.5.18
CAR-2165-G-0817	Waste Processing System Gas Decay Storage	1.5.15

<b>"G" series Drawing</b>	<b>Title</b>	<b>Basis Document Sections</b>
CAR-2165-G-0818	Waste Processing System Waste Gas Compressor and Recombiner	1.5.15
CAR-2165-G-0819	Component Cooling Water System Sheet 1	1.5.16
CAR-2165-G-0820	Component Cooling Water System Sheet 2	1.5.16
CAR-2165-G-0821	Component Cooling Water System	1.5.16
CAR-2165-G-0822	Component Cooling Water System Sheet 4	1.5.16
CAR-2165-G-0822 S01	Component Cooling Water System Sheet 5	1.5.16
CAR-2165-G-0824	Residual Heat Removal System	1.5.17
CAR-2165-G-0829	Reactor Auxiliary Building (Filter Backwash System)	1.5.13
CAR-2165-G-0844	Reactor Coolant System (Reactor Vessel Level Instrumentation RVLIS)	1.5.12
N/A	Containment	1.5.18

## **Appendix B - Calibration Block List**

See this NCR# 02016395 for validation of table contents.

Calibration blocks to be used for UT examinations required by the ISI Plan are listed in this Appendix and were validated by the NDE Level III.

The specific calibration block assignment is made by the NDE Level III as the schedule exam is performed. Scheduling details for all examinations can be referenced in document: HNP-PM4-003, 4th Harris ISI Interval Schedule and Third CISI Schedule.

### **Ultrasonic Calibration Standards**

- a. Calibration standards are available for each UT examination listed in this plan. All calibration standards are designed in accordance with the requirements of ASME Section XI.
- b. Shearon Harris Fourth ten year inspection interval Reactor Pressure Vessel examinations shall be performed using the calibration blocks listed in this Appendix and as required in the ISI Schedule.
- c. Calibration standards for UT examination shall be selected per the Calibration Block Listing below. The number of the calibration standard used shall be recorded on the inspection datasheet.

**HNP-PM4-002 Appendix B**  
**Calibration Block List**

Item No.	Block ID	Size	Schedule	Material Specification	Heat Number	Application
1	UT-001-1	9" t	N/A	CS CLAD	R2304-1	RX VESSEL
2	UT-002-1	8.25" t	N/A	CS CLAD	124S447	RX VESSEL
3	UT-003-1	5" t	N/A	CS CLAD	C4533-1	RX VESSEL
4	UT-004-1	15" t	N/A	CS CLAD	123Y317	NOZZLE
5	UT-005-1	7" t	N/A	CS CLAD	C4533-1	RX HEAD
6	UT-006-1	32" D / 2.5" t	32" D	SA SA351	28841-6	NOZZLE
7	UT-007-1	16" D / 2.5" t	16" D	SA A508	15812	NOZZLE SE
8	UT-008-1	2.5" t	N/A	SA SA376	L1286	RC PIPE
9	UT-010-1	2.5" D / .276" t	80	CS SA106	N76472	PIPE
10	UT-011-1	3" D / .216" t	40	SS SA312	M4563	PIPE
11	UT-012-1	3" D / .300" t	80	CS SA106	165044	PIPE
12	UT-013-1	3" D / .438" t	160	CS SA106	X5489	PIPE
13	UT-014-1	3" D / .438" t	160	SA SA376	M2760	PIPE
14	UT-015-1	4" D / .237" t	40	CS SA106	N16094	PIPE
15	UT-016-1	4" D / .337" t	80	CS SA106	L25198	PIPE
16	UT-017-1	4" D / .531" t	160	SA SA376	C7199	PIPE
17	UT-018-1	6" D / .432" t	80	CS SA106	264788	PIPE
18	UT-019-1	6" D / .562" t	120	CS SA106	N73583	PIPE
19	UT-020-1	6" D / .719" t	160	SA SA376	630-13-3	PIPE
20	UT-021-1	8" D / .322" t	40	SA SA312	11-430	PIPE
21	UT-022-1	8" D / .500" t	80	CS SA106	917335	PIPE
22	UT-023-1	10" D / 1.000" t	140	SA SA376	1081-2-2-1	PIPE
23	UT-024-1	12" D / .375" t	STD	SA SA312	7-105/1210-40-2	PIPE
24	UT-025-1	12" D / .562" t	60	CS SA106	26590	PIPE
25	UT-026-1	12" D / 1.125" t	140	SA SA376	534193	PIPE

**HNP-PM4-002 Appendix B**  
**Calibration Block List**

Item No.	Block ID	Size	Schedule	Material Specification	Heat Number	Application
26	UT-027-1	14" D / 0.375" t	STD	SS SA358	30190	PIPE
27	UT-028-1	14" D / 1.406" t	160	SS SA376	J2619	PIPE
28	UT-029-1	16" D / 0.851" t	.688"/.750"	CS SA106	L4517	PIPE
29	UT-030-1	16" D / 1.006" t	13.750 ID	CS SA106	L4489	PIPE
30	UT-031-1	32" D / 1.340" t	1.052"/1.267"	CS SA106	L4497	PIPE
31	UT-033-1	44"D / 1.790" t	1.447"/1.765"	CS SA106	J7371	PIPE
32	UT-034-1	50" D / 3.40 t	SPEC	CS A155	D20265-J848	PIPE
33	UT-035-1	50" D / 1.71" t	SPEC	CS A155	D20265-J848	PIPE
34	UT-036-1	12" D / 0.562" t	80	CS SA106	61868	PIPE
35	UT-037-1	14" D / 1.406" t	160	SS SA376	636144	PIPE
36	UT-038-1	1.250" t	N/A	SS SA516	66987	PIPE
37	UT-039-1	1.125" t	N/A	SS SA240	26220	PIPE
38	UT-040-1	0.375" t	N/A	SS SA376	M5914	PIPE
39	UT-041-1	30" D / 1.866" t	SPEC	CS A106	L4484	PIPE
40	UT-042-1	10" D / 1.000" t	140	SS SA376	11-956	PIPE
41	UT-050-1	PZR / 3.50" t	N/A	CS SA533	D8366	PZR
42	UT-051-1	SG / 5.00" t	N/A	CS SA533	D8366	S/G
43	UT-052-1	S/G / 3.50" t	N/A	SS SA533	D8366	S/G
44	UT-053-1	SPEC / 0.900" t	N/A	SS SA351	28841-6	PIPE
45	UT-054-1	0.800" t	N/A	SS SA204	803145	PIPE
46	UT-055-1	10" D / 0.740" t	SPEC	SS SA312	1080-14-1	PIPE
47	UT-056-1	2.00" t	N/A	SS SA204	895101	PIPE

**HNP-PM4-002 Appendix B  
Calibration Block List**

Item No.	Block ID	Size	Schedule	Material Specification	Heat Number	Application
48	UT-057-1	8" D / .322" t	40	CS SA106	N16583	PIPE
49	UT-058-1	6" D / .562" t	120	P22 SA335	218698	PIPE
50	UT-059-1	2" D / .344" t	160	SS SA312	MS022	PIPE
51	2-UT-060-1	6" D / .500" t	N/A	P22 SA335	21337	PIPE
52	UT-61	RPV STUD	N/A	SA540	81874	RV STUD
53	UT-62-1	RCP STUD	N/A	SA540	123123	RCP STUD
54	UT-63-1	SG / 5.50"	N/A	SA508	A2181/A2182	S/G
55	UT-64-1	SG / 3.88"	N/A	SA533 GR B	4102	S/G
56	UT-65-1	SG / 3.25"	N/A	SA533 GR B	4102	S/G
57	UT-66-1	SG / 10.50"	N/A	SA598 CL 3A	96B145-1-14	S/G IR
58	FPC-003	0.5 – 2.0"	N/A	SS SA316	171722	ALT ASME BLK
59	CPL-77	0.5 – 2.0"	N/A	SS SS304	A13979	ALT ASME BLK
60	CPL-78	0.5 – 2.0"	N/A	CS A516-70	1H924	ALT ASME BLK
61	CPL-79	0.5 – 2.0"	N/A	SS SA316	1S146	ALT ASME BLK
62	CB-02-52	0.5 – 2.0"	N/A	CS SA516 GR70	R7961	ALT ASME BLK
63	25599	0.5 – 2.0"	N/A	CS A516-70	S10782	ALT ASME BLK
64	25600	0.5 – 2.0"	N/A	SS SS 304	247992	ALT ASME BLK
65	25601	0.5 – 2.0"	N/A	SS SS316	248104	ALT ASME BLK

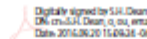
This table shall be validated by NDE Level III for new interval see AR# 2016395 8/1/16

UT LV III Prepared by: Jason Polisensky

 Digitally signed by Jason Polisensky  
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Date: 2016.09.20 14:03:30 -0500

09/20/2016

UT LV III Checked by: S.H. Dean

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Date: 2016.09.20 14:03:31 -0500

09/20/2016

## Appendix C - Relief Requests

Each request for relief from a requirement of the ASME Section XI Code specified in the plan shall be submitted by the Station Regulatory Affairs Section to the Nuclear Regulatory Commission for approval. The list below contains all requests for relief that affect Inservice Inspection at Shearon Harris Nuclear Power Plant during the 4<sup>th</sup> Inservice Inspection Interval. For a listing of requests for relief pertaining to topics other than Inservice Inspection, contact the Shearon Harris Nuclear Power Plant Regulatory Affairs Section.

### Appendix C Relief Request

Relief Request Number	Affected Component(s)	Examination Category	Item No.	Examination Area	Alternative Examinations	Status
I3R-14 <sup>1</sup>	Reactor Vessel and RPV interior attachments, and core support structures	B-A and B-D	B1.11 B1.12 B1.21 B1.22 B1.30 B1.40 B3.00 B3.10	RPV circumferential welds, longitudinal welds, meridional welds, shell to flange weld, nozzle to vessel welds and nozzle inner radius.	Interval examination requirement from 10 years to 20 years. Exam due in 2024 plus or minus one refueling cycle	Granted TAC No. MF4113 1/5/2015 (ML14353A324)
17-GO-001 <sup>2</sup>	RPV Flange Ligament exams based on EPRI Report 3002007626	B-G-1	B6.40	RPV Threads in the vessel flange.	Alternate requirement is to delete this ASME Section XI exam.	Submitted 3/29/2017 (ML17088A846)

Note 1: This RR listed was approved in 3<sup>rd</sup> Interval but impacts 4<sup>th</sup> Interval because Code Exam was deferred from 3<sup>rd</sup> to 4<sup>th</sup> Interval. Listed as FYI only.

Note 2: This Relief request should be considered again for submittal in 4<sup>th</sup> Interval (3rd Period) unless the ASME Code Case N-864 is approved by the NRC in RG 1.147.

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## Appendix D - Applicable Code Cases

<b>Appendix D Applicable Code Cases</b>			
<b><u>CODE CASE</u></b>	<b><u>TITLE</u></b>	<b><u>APPLICABILITY</u></b>	<b><u>EXTENT OF APPLICATION</u></b>
N-513-3	<p>Evaluation Criteria for Temporary Acceptance of Flaws in Moderate Energy Class 2 or Class 3 Piping, Section XI, Division 1. This Code Case is approved for use in Regulatory Guide 1.147, Revision 17, Table 2, with the following condition:</p> <p>The repair or replacement activity temporarily deferred under the provisions of this Code Case shall be performed during the next scheduled outage.</p>	1983 Edition with the Winter 1985 Addenda through the 2007 Edition with the 2008 Addenda.	Used as needed.
N-532-5	<p>Alternative Requirements to Repair and Replacement Documentation Requirements and Inservice Summary Report Preparation and Submission, as required by IWA-400 and IWA-600, Section XI, Division 1. (This Code Case is approved for use in Regulatory Guide 1.147, Revision 17, Table 1).</p>	1995 Edition with the 1996 Addenda through the 2013 Edition.	Used During the 4 <sup>th</sup> Inservice Inspection Interval.
N-586-1	<p>Alternative Additional Examination Requirements for Classes 1, 2 and 3 Piping, Components, and Supports, Section XI, Division 1. (This Code Case is approved for use in Regulatory Guide 1.147, Revision 17, Table 1).</p>	1977 Edition with the Summer 1978 Addenda through the 2007 Edition with the 2008 Addenda.	Use depends on specific application. May not always be used.

**Appendix D  
Applicable Code Cases**

<u>CODE CASE</u>	<u>TITLE</u>	<u>APPLICABILITY</u>	<u>EXTENT OF APPLICATION</u>
N-600	Transfer of Welder, Welding Operator, Brazer, and Brazing Operator Qualifications Between Owners, Section XI, Division 1. (This Code Case is approved for use in Regulatory Guide 1.147, Revision 17, Table 1)	1977 Edition with the Summer 1978 Addenda through the 2010 Edition with the 2011 Addenda.	Used as needed.
N-613-1	Ultrasonic Examination of Full Penetration Nozzles in Vessels, Examination Category B-D, Item No's B3.10 and B3.90, Reactor Nozzle-To-Vessel Welds, Figs. IWB-2500-7(a), (b), and (c) Section XI, Division 1. (This Code Case is approved for use in Regulatory Guide 1.147, Revision 17, Table 1).	1989 Edition with the 1989 Addenda through the 2007 Edition with the 2008 Addenda.	Used During the 4 <sup>th</sup> Inservice Inspection Interval.
N-639	Alternative Calibration Block Material, Section XI, Division 1. This Code Case is approved for use in Regulatory Guide 1.147, Revision 17, Table 2, with the following condition:  Chemical ranges of the calibration block may vary from the materials specification if (1) it is within the chemical range of the component specification to be inspected, and (2) the phase and grain shape are maintained in the same ranges produced by the thermal process required by the material specification.	1986 Edition with the 1987 Addenda through the 2015 Edition.	Used as needed.
N-643-2	Fatigue Crack Growth Rate Curves for Ferritic Steels in PWR Water Environment, Section XI, Division 1. (This Code Case is approved for use in Regulatory Guide 1.147, Revision 17, Table 1).	1977 Edition with the Summer 1978 Addenda through the 2015 Edition .	Used as needed.

**Appendix D  
Applicable Code Cases**

<u>CODE CASE</u>	<u>TITLE</u>	<u>APPLICABILITY</u>	<u>EXTENT OF APPLICATION</u>
N-648-1	<p>Alternate Requirements for Inner Radius Examination of Class 1 Reactor Vessel Nozzles, Section XI Division 1. This Code Case is approved for use in Regulatory Guide 1.147, Revision 17, Table 2, with the following condition:</p> <p>In lieu of a UT examination, licensees may perform a VT-1 examination in accordance with the code of record for the Inservice Inspection Program utilizing the allowable flaw length criteria of Table IWB-3512-1 with limiting assumptions on the flaw aspect ratio.</p>	1977 Edition with the Summer 1978 Addenda through the 2015 Edition .	Used as needed.
N-651	<p>Ferritic and Dissimilar Metal Welding Using SMAW Temper Bead Technique Without Removing the Weld Bead Crown of the First Layer, Section XI, Division 1. (This Code Case is approved for use in Regulatory Guide 1.147, Revision 17, Table 1).</p>	1977 Edition with the Summer 1978 Addenda through the 2013 Edition.	Used as needed for Repair/Replacement Activities.
N-705	<p>Evaluation Criteria for Temporary Acceptance of Degradation In Moderate Energy Class 2 or 3 Vessels and Tanks , Section XI, Division 1. (This Code Case is approved for use in Regulatory Guide 1.147, Revision 17, Table 1).</p>	1983 Edition with the Winter 1985 addenda through the 2015 Edition.	Used as needed.
N-716-1	<p>Alternative Piping Classification and Examination Requirements, Section XI, Division 1. (Risk Informed ISI ). (This Code Case is approved for use in Regulatory Guide 1.147, Revision 17, Table 1).</p>	1995 Edition through the 2015 Edition.	Used During the 4 <sup>th</sup> Inservice Inspection Interval.

**Appendix D  
Applicable Code Cases**

<u>CODE CASE</u>	<u>TITLE</u>	<u>APPLICABILITY</u>	<u>EXTENT OF APPLICATION</u>
N-722-1 (See Note 1)	Additional Examinations for PWR Pressure Retaining Welds in Class 1 Components Fabricated With Alloy 600/82/182 Materials, Section XI, Division 1. [Mandated by 10CFR50.55a(g)(6)(ii)(E) with conditions]	1980 Edition Through the 2015 Edition .	See Note 1.
N-729-1 (See Note 1)	Alternative Examination Requirements for PWR Reactor Vessel Upper Heads With Nozzles Having Pressure-Retaining Partial-Penetration Welds, Section XI, Division 1. [Mandated by 10CFR50.55a(g)(6)(ii)(D) with conditions]	1980 Edition Through the 2004 Edition.  Note: Although this case is not applicable to the 2007 Edition with the 2008 Addenda, its use is mandated by 10 CFR50.55a.	See Note 1.
N-735	Successive Inspection of Class 1 and Class 2 Piping Welds, Section XI, Division 1. (This Code Case is approved for use in Regulatory Guide 1.147, Revision 17, Table 1).	1995 Edition with the 1996 Addendum through the 2015 Edition.	Used as needed.
N-747	Reactor Vessel Head to Flange Weld Examinations, Section XI, Division 1 (This Code Case is approved for use in Regulatory Guide 1.147, Revision 17, Table 1).	1989 Edition through the 2015 Edition.	Used During the 4 <sup>th</sup> Inservice Inspection Interval.
N-765	Alternatives to Inspection Interval Scheduling Requirements of IWA-2430, Section XI, Division 1. (This Code Case is approved for use in Regulatory Guide 1.147, Revision 17, Table 1).	1989 Edition through the 2007 Edition with the 2008 Addenda.	Used as needed.

**Appendix D  
Applicable Code Cases**

<u>CODE CASE</u>	<u>TITLE</u>	<u>APPLICABILITY</u>	<u>EXTENT OF APPLICATION</u>
N-770-1 (See Note 1)	Alternative Examination Requirements and Acceptance Standards for Class 1 PWR Piping and Vessel Nozzle Butt Welds Fabricated with UNS N 06082 or UNS W 86182 Weld Filler Material With or Without Application of Listed Mitigation Activities, Section XI, Division 1. [Mandated by 10CFR50.55a(g)(6)(ii)(F) with conditions].	1989 Edition through the 2015 Edition.	See Note 1.
<p>Note 1: Examinations required by this Code Case are managed by the Harris Nuclear Power Plant 4<sup>th</sup> Interval Augmented Inservice Inspection Plan and Schedule, Document #HNP-PM4-007.</p>			

## Appendix E - Program Isometric References

<b>Program Isometric References</b>	
<b>Isometric Document Number</b>	<b>Title</b>
1-ISI-ACC-1	S.I. ACCUMULATOR TANK 'A', 'B' & 'C'
1-ISI-AF-2	AUXILIARY FEEDWATER SYSTEM
1-ISI-AF-4 S01	AUXILIARY FEEDWATER SYSTEM
1-ISI-AF-5	AUXILIARY FEEDWATER SYSTEM
1-ISI-AF-6	AUXILIARY FEEDWATER SYSTEM
1-ISI-AF-7	AUXILIARY FEEDWATER SYSTEM
1-ISI-AF-8	AUXILIARY FEEDWATER SYSTEM
1-ISI-AF-9	AUXILIARY FEEDWATER SYSTEM
1-ISI-AF-10	AUXILIARY FEEDWATER SYSTEM
1-ISI-AF-101	AUXILIARY FEEDWATER SYSTEM (LOOP 'A')
1-ISI-AF-102	AUXILIARY FEEDWATER SYSTEM (LOOP 'C')
1-ISI-BIT-1	BORON INJECTION TANK
1-ISI-BIT-2	BORON INJECTION TANK
1-ISI-CC-1	COMPONENT COOLING WATER SYSTEM
1-ISI-CC-2	COMPONENT COOLING WATER SYSTEM
1-ISI-CC-3	COMPONENT COOLING WATER SYSTEM
1-ISI-CC-4	COMPONENT COOLING WATER SYSTEM
1-ISI-CC-6	COMPONENT COOLING WATER SYSTEM
1-ISI-CC-7	COMPONENT COOLING WATER SYSTEM
1-ISI-CC-8	COMPONENT COOLING WATER SYSTEM
1-ISI-CC-9	COMPONENT COOLING WATER SYSTEM
1-ISI-CC-10	COMPONENT COOLING WATER SYSTEM
1-ISI-CC-11	COMPONENT COOLING WATER SYSTEM
1-ISI-CC-12	COMPONENT COOLING WATER SYSTEM
1-ISI-CC-13	COMPONENT COOLING WATER SYSTEM
1-ISI-CC-14	COMPONENT COOLING WATER SYSTEM
1-ISI-CC-15	COMPONENT COOLING WATER SYSTEM
1-ISI-CC-16	COMPONENT COOLING WATER SYSTEM
1-ISI-CC-18	COMPONENT COOLING WATER SYSTEM
1-ISI-CC-19	COMPONENT COOLING WATER SYSTEM
1-ISI-CC-21	COMPONENT COOLING WATER SYSTEM
1-ISI-CC-22	COMPONENT COOLING WATER SYSTEM
1-ISI-CC-24	COMPONENT COOLING WATER SYSTEM
1-ISI-CC-29	COMPONENT COOLING WATER SYSTEM

<b>Program Isometric References</b>	
<b>Isometric Document Number</b>	<b>Title</b>
1-ISI-CC-49	COMPONENT COOLING WATER SYSTEM
1-ISI-CC-53	COMPONENT COOLING WATER SYSTEM
1-ISI-CC-60	COMPONENT COOLING WATER SYSTEM
1-ISI-CC-61	COMPONENT COOLING WATER SYSTEM
1-ISI-CC-63	COMPONENT COOLING WATER SYSTEM
1-ISI-CC-64	COMPONENT COOLING WATER SYSTEM
1-ISI-CC-65	COMPONENT COOLING WATER SYSTEM
1-ISI-CC-67	COMPONENT COOLING WATER SYSTEM
1-ISI-CC-68 S01	COMPONENT COOLING WATER SYSTEM
1-ISI-CC-68 S02	COMPONENT COOLING WATER SYSTEM
1-ISI-CC-68 S03	COMPONENT COOLING WATER SYSTEM
1-ISI-CCHX-1	COMPONENT COOLING WATER HEAT EXCHANGERS 'A' & 'B'
1-ISI-CCP-1	COMPONENT COOLING WATER PUMPS 'A', 'B' & 'C'
1-ISI-CE-1	CONDENSATE SYSTEM
1-ISI-CE-2	CONDENSATE SYSTEM
1-ISI-CE-3	CONDENSATE SYSTEM
1-ISI-CE-4	CONDENSATE SYSTEM
1-ISI-CE-5	CONDENSATE SYSTEM
1-ISI-CEP-1	CONDENSATE WATER PUMPS 'A' & 'B'
1-ISI-CH-7	CHILLED WATER SUPPLY SYSTEM
1-ISI-CH-10	CHILLED WATER SUPPLY SYSTEM
1-ISI-CH-19	CHILLED WATER SUPPLY SYSTEM
1-ISI-CH-24	CHILLED WATER SUPPLY SYSTEM
1-ISI-CH-26	CHILLED WATER SUPPLY SYSTEM
1-ISI-CH-37	CHILLED WATER SUPPLY SYSTEM
1-ISI-CH-38	CHILLED WATER SUPPLY SYSTEM
1-ISI-CH-45	CHILLED WATER SUPPLY SYSTEM
1-ISI-CH-49	CHILLED WATER SUPPLY SYSTEM
1-ISI-CS-1 S01	CHEMICAL AND VOLUME CONTROL, CONTAINMENT SPRAY AND RESIDUAL HEAT REMOVAL SYSTEMS
1-ISI-CS-1 S02	CHEMICAL AND VOLUME CONTROL, CONTAINMENT SPRAY AND RESIDUAL HEAT REMOVAL SYSTEMS
1-ISI-CS-2 S01	RESIDUAL HEAT REMOVAL AND CHEMICAL AND VOLUME CONTROL SYSTEM
1-ISI-CS-2 S02	RESIDUAL HEAT REMOVAL AND CHEMICAL AND VOLUME CONTROL SYSTEM
1-ISI-CS-2 S03	RESIDUAL HEAT REMOVAL AND CHEMICAL AND VOLUME CONTROL SYSTEM

<b>Program Isometric References</b>	
<b>Isometric Document Number</b>	<b>Title</b>
1-ISI-CS-6 S01	CHEMICAL AND VOLUME CONTROL SYSTEM
1-ISI-CS-6 S02	CHEMICAL AND VOLUME CONTROL SYSTEM
1-ISI-CS-7	CHEMICAL AND VOLUME CONTROL SYSTEM AND SAFETY INJECTION SYSTEM
1-ISI-CS-21 S01	CHEMICAL AND VOLUME CONTROL SYSTEM AND RESUDUAL HEAT REMOVAL SYSTEM
1-ISI-CS-21 S02	CHEMICAL AND VOLUME CONTROL SYSTEM AND RESUDUAL HEAT REMOVAL SYSTEM
1-ISI-CS-22	CHEMICAL AND VOLUME CONTROL SYSTEM
1-ISI-CS-88	CHEMICAL AND VOLUME CONTROL SYSTEM
1-ISI-CS-93	CHEMICAL AND VOLUME CONTROL AND REACTOR COOLANT SYSTEM
1-ISI-CS-94	CHEMICAL AND VOLUME CONTROL AND REACTOR COOLANT SYSTEM
1-ISI-CS-97	CHEMICAL AND VOLUME CONTROL AND REACTOR COOLANT SYSTEM
1-ISI-CS-102	CHEMICAL AND VOLUME CONTROL AND REACTOR COOLANT SYSTEM
1-ISI-CS-103	CHEMICAL AND VOLUME CONTROL SYSTEM
1-ISI-CS-106	CHEMICAL AND VOLUME CONTROL AND REACTOR COOLANT SYSTEM
1-ISI-CS-107	CHEMICAL AND VOLUME CONTROL SYSTEM
1-ISI-CSIP-1	CHARGING & SAFETY INJECTION PUMPS A, B & C
1-ISI-CSIP-2	CHARGING/SAFETY INJECTION PUMPS 'A', 'B' & 'C'
1-ISI-CT-1	CONTAINMENT SPRAY SYSTEM
1-ISI-CT-2 S01	CONTAINMENT SPRAY SYSTEM
1-ISI-CT-2 S02	CONTAINMENT SPRAY SYSTEM
1-ISI-CT-7 S01	CONTAINMENT SPRAY SYSTEM
1-ISI-CT-7 S02	CONTAINMENT SPRAY SYSTEM
1-ISI-CT-8 S01	CONTAINMENT SPRAY SYSTEM
1-ISI-CT-8 S02	CONTAINMENT SPRAY SYSTEM
1-ISI-CT-8 S03	CONTAINMENT SPRAY SYSTEM
1-ISI-CT-14	CONTAINMENT SPRAY SYSTEM
1-ISI-CT-16	CONTAINMENT SPRAY SYSTEM
1-ISI-CTP-1	CONTAINMENT SPRAY PUMPS 'A' & 'B'
1-ISI-CTP-2	CONTAINMENT SPRAY PUMPS 'A' & 'B'
1-ISI-CWP4-1	CHILLED WATER PUMPS P-4 'A' & 'B'
1-ISI-CX-10	CHILLED WATER RETURN SYSTEM
1-ISI-CX-19	CHILLED WATER RETURN SYSTEM
1-ISI-CX-27	CHILLED WATER RETURN SYSTEM
1-ISI-CX-39	CHILLED WATER RETURN SYSTEM
1-ISI-CX-40	CHILLED WATER RETURN SYSTEM
1-ISI-CX-41	CHILLED WATER RETURN SYSTEM



<b>Program Isometric References</b>	
<b>Isometric Document Number</b>	<b>Title</b>
1-ISI-CX-42	CHILLED WATER RETURN SYSTEM
1-ISI-CX-47	CHILLED WATER RETURN SYSTEM
1-ISI-CX-48	CHILLED WATER RETURN SYSTEM
1-ISI-CX-65	CHILLED WATER RETURN SYSTEM
1-ISI-EA-1	EMERGENCY AIR SYSTEM
1-ISI-EA-2	EMERGENCY AIR SYSTEM
1-ISI-EA-3	EMERGENCY AIR SYSTEM
1-ISI-EA-4	EMERGENCY AIR SYSTEM
1-ISI-ESWA-1	EMERGENCY SCREEN WASH PUMPS 'A' & 'B'
1-ISI-ESWP-1	EMERGENCY SERVICE WATER PUMPS 'A' & 'B'
1-ISI-ESWS-1	EMERGENCY SERVICE WATER PUMP STRAINERS 'A' & 'B'
1-ISI-FPCP-1	SPENT FUEL COOLING PUMPS 'A' & 'B'
1-ISI-FPHX-1	SPENT FUEL COOLING HEAT EXCHANGERS 'A' & 'B'
1-ISI-FP-4	FIRE PROTECTION SYSTEM
1-ISI-FPS-1	FUEL POOL STRAINERS 'A' & 'B'
1-ISI-FW-1 S01	FEEDWATER SYSTEM
1-ISI-FW-1 S02	FEEDWATER SYSTEM
1-ISI-FW-1 S03	FEEDWATER SYSTEM
1-ISI-FW-3	FEEDWATER AND AUXILIARY FEEDWATER SYSTEM
1-ISI-FW-5	FEEDWATER SYSTEM (LOOP 'A' INSIDE CONTAINMENT)
1-ISI-FW-6	FEEDWATER SYSTEM (LOOP 'B' INSIDE CONTAINMENT)
1-ISI-FW-7	FEEDWATER SYSTEM (LOOP 'C' INSIDE CONTAINMENT)
1-ISI-LHX-1	LETDOWN HEAT EXCHANGER
1-ISI-MS-1 S01	MAIN STEAM SYSTEM
1-ISI-MS-1 S02	MAIN STEAM SYSTEM
1-ISI-MS-1 S03	MAIN STEAM SYSTEM
1-ISI-MS-2 S01	MAIN STEAM SYSTEM
1-ISI-MS-2 S02	MAIN STEAM SYSTEM
1-ISI-MS-3	MAIN STEAM SYSTEM
1-ISI-MS-4	MAIN STEAM SYSTEM
1-ISI-MS-5	MAIN STEAM SYSTEM
1-ISI-MS-7	MAIN STEAM SYSTEM
1-ISI-MS-8	MAIN STEAM SYSTEM
1-ISI-MS-9	MAIN STEAM SYSTEM
1-ISI-MS-10	MAIN STEAM SYSTEM
1-ISI-MS-24	MAIN STEAM SYSTEM
1-ISI-PZR-1	PRESSURIZER

<b>Program Isometric References</b>	
<b>Isometric Document Number</b>	<b>Title</b>
1-ISI-PZR-2	PRESSURIZER
1-ISI-RC-1	REACTOR COOLANT SYSTEM
1-ISI-RC-2	REACTOR COOLANT SYSTEM
1-ISI-RC-3	REACTOR COOLANT SYSTEM
1-ISI-RC-9	REACTOR COOLANT SYSTEM
1-ISI-RC-17	REACTOR COOLANT SYSTEM
1-ISI-RC-22	REACTOR COOLANT SYSTEM
1-ISI-RC-23 S01	REACTOR COOLANT SYSTEM
1-ISI-RC-23 S02	REACTOR COOLANT SYSTEM
1-ISI-RC-24	REACTOR COOLANT SYSTEM
1-ISI-RC-25	REACTOR COOLANT SYSTEM
1-ISI-RC-27	REACTOR COOLANT SYSTEM
1-ISI-RCDX-1	REACTOR COOLANT DRAIN TANK HEAT EXCHANGER
1-ISI-RCP-1	REACTOR COOLANT PUMP
1-ISI-RCP-2	REACTOR COOLANT PUMP MOTOR FLYWHEEL
1-ISI-RCP-3	REACTOR COOLANT PUMPS 'A', 'B', & 'C'
1-ISI-RH-1 S01	RESIDUAL HEAT REMOVAL, SAFETY INJECTION AND CONTAINMENT SPRAY SYSTEM
1-ISI-RH-1 S02	RESIDUAL HEAT REMOVAL, SAFETY INJECTION
1-ISI-RH-2 S01	RESIDUAL HEAT REMOVAL, SAFETY INJECTION AND CONTAINMENT SPRAY SYSTEM
1-ISI-RH-2 S02	RESIDUAL HEAT REMOVAL, SAFETY INJECTION AND CONTAINMENT SPRAY SYSTEM
1-ISI-RH-4 S01	RESIDUAL HEAT REMOVAL SYSTEM
1-ISI-RH-4 S02	RESIDUAL HEAT REMOVAL SYSTEM
1-ISI-RH-9 S01	RESIDUAL HEAT REMOVAL & REACTOR COOLANT SYSTEMS (LOOP "C" INSIDE CONTAINMENT)
1-ISI-RH-9 S02	RESIDUAL HEAT REMOVAL SYSTEM
1-ISI-RH-10 S01	RESIDUAL HEAT REMOVAL & REACTOR COOLANT SYSTEMS (LOOP "A" INSIDE CONTAINMENT)
1-ISI-RH-10 S02	RESIDUAL HEAT REMOVAL SYSTEM
1-ISI-RHR-1	RESIDUAL HEAT REMOVAL HEAT EXCHANGERS A & B
1-ISI-RHR-2	RESIDUAL HEAT REMOVAL HEAT EXCHANGERS
1-ISI-RHRP-1	RESIDUAL HEAT REMOVAL PUMPS A or B
1-ISI-RHRP-2	RESIDUAL HEAT REMOVAL PUMPS A or B
1-ISI-RV-1	REACTOR VESSEL
1-ISI-RV-3	REACTOR VESSEL
1-ISI-RV-A600	REACTOR VESSEL (Alloy 600)

<b>Program Isometric References</b>	
<b>Isometric Document Number</b>	<b>Title</b>
1-ISI-SF-4	SPENT FUEL POOL COOLING AND CLEANUP
1-ISI-SF-5	SPENT FUEL POOL COOLING AND CLEANUP
1-ISI-SF-6	SPENT FUEL POOL COOLING AND CLEANUP
1-ISI-SF-7	SPENT FUEL POOL COOLING AND CLEANUP
1-ISI-SF-9	SPENT FUEL POOL COOLING AND CLEANUP
1-ISI-SF-10	SPENT FUEL POOL COOLING AND CLEANUP
1-ISI-SG-1	STEAM GENERATOR A
1-ISI-SG-1A	STEAM GENERATOR A
1-ISI-SG-2	STEAM GENERATOR B
1-ISI-SG-2A	STEAM GENERATOR B
1-ISI-SG-3	STEAM GENERATOR C
1-ISI-SG-3A	STEAM GENERATOR C
1-ISI-SI-3	SAFETY INJECTION SYSTEM
1-ISI-SI-4 S01	SAFETY INJECTION SYSTEM
1-ISI-SI-4 S02	SAFETY INJECTION SYSTEM
1-ISI-SI-8 S01	SAFETY INJECTION AND RESIDUAL HEAT REMOVAL SYSTEM
1-ISI-SI-8 S02	SAFETY INJECTION AND RESIDUAL HEAT REMOVAL SYSTEM
1-ISI-SI-9	SAFETY INJECTION AND CONTAINMENT SPRAY SYSTEM
1-ISI-SI-10	SAFETY INJECTION SYSTEM
1-ISI-SI-11	SAFETY INJECTION SYSTEM
1-ISI-SI-16 S01	SAFETY INJECTION SYSTEM
1-ISI-SI-16 S02	SAFETY INJECTION SYSTEM
1-ISI-SI-17 S01	SAFETY INJECTION SYSTEM
1-ISI-SI-17 S02	SAFETY INJECTION SYSTEM
1-ISI-SI-18	SAFETY INJECTION SYSTEM
1-ISI-SI-19 S01	SAFETY INJECTION SYSTEM
1-ISI-SI-19 S02	SAFETY INJECTION SYSTEM
1-ISI-SI-20 S01	SAFETY INJECTION SYSTEM
1-ISI-SI-20 S02	SAFETY INJECTION SYSTEM
1-ISI-SI-21	SAFETY INJECTION AND REACTOR COOLANT SYSTEM
1-ISI-SI-22	SAFETY INJECTION AND REACTOR COOLANT SYSTEM
1-ISI-SI-23	SAFETY INJECTION AND REACTOR COOLANT SYSTEM
1-ISI-SI-24 S01	SAFETY INJECTION AND REACTOR COOLANT SYSTEM
1-ISI-SI-24 S02	SAFETY INJECTION AND REACTOR COOLANT SYSTEM
1-ISI-SI-25 S01	SAFETY INJECTION AND REACTOR COOLANT SYSTEM
1-ISI-SI-25 S02	SAFETY INJECTION AND REACTOR COOLANT SYSTEM
1-ISI-SI-26 S01	SAFETY INJECTION SYSTEM

<b>Program Isometric References</b>	
<b>Isometric Document Number</b>	<b>Title</b>
1-ISI-SI-26 S02	SAFETY INJECTION SYSTEM
1-ISI-SI-27 S01	SAFETY INJECTION AND REACTOR COOLANT SYSTEM
1-ISI-SI-27 S02	SAFETY INJECTION AND REACTOR COOLANT SYSTEM
1-ISI-SI-28 S01	SAFETY INJECTION AND REACTOR COOLANT SYSTEM
1-ISI-SI-28 S02	SAFETY INJECTION AND REACTOR COOLANT SYSTEM
1-ISI-SI-29 S01	SAFETY INJECTION SYSTEM
1-ISI-SI-29 S02	SAFETY INJECTION SYSTEM
1-ISI-SI-30	SAFETY INJECTION SYSTEM
1-ISI-SI-31	SAFETY INJECTION SYSTEM
1-ISI-SI-32	SAFETY INJECTION SYSTEM
1-ISI-SW-1	SERVICE WATER SYSTEM
1-ISI-SW-2	SERVICE WATER SYSTEM
1-ISI-SW-3	SERVICE WATER SYSTEM
1-ISI-SW-4	SERVICE WATER SYSTEM
1-ISI-SW-5	SERVICE WATER SYSTEM
1-ISI-SW-8	SERVICE WATER SYSTEM
1-ISI-SW-9	SERVICE WATER SYSTEM
1-ISI-SW-10	SERVICE WATER SYSTEM
1-ISI-SW-11	SERVICE WATER SYSTEM
1-ISI-SW-12	SERVICE WATER SYSTEM
1-ISI-SW-13	SERVICE WATER SYSTEM
1-ISI-SW-14	SERVICE WATER SYSTEM
1-ISI-SW-15	SERVICE WATER SYSTEM
1-ISI-SW-16	SERVICE WATER SYSTEM
1-ISI-SW-17	SERVICE WATER SYSTEM
1-ISI-SW-30	SERVICE WATER SYSTEM
1-ISI-SW-31	SERVICE WATER SYSTEM
1-ISI-SW-37	SERVICE WATER SYSTEM
1-ISI-SW-40	SERVICE WATER SYSTEM
1-ISI-SW-42	SERVICE WATER SYSTEM
1-ISI-SW-43 S01	SERVICE WATER SYSTEM
1-ISI-SW-43 S02	SERVICE WATER SYSTEM
1-ISI-SW-44	SERVICE WATER SYSTEM
1-ISI-SW-48	SERVICE WATER SYSTEM
1-ISI-SW-51	SERVICE WATER SYSTEM
1-ISI-SW-57	SERVICE WATER SYSTEM
1-ISI-SW-62	SERVICE WATER SYSTEM

<b>Program Isometric References</b>	
<b>Isometric Document Number</b>	<b>Title</b>
1-ISI-SW-63	SERVICE WATER SYSTEM
1-ISI-SW-72	SERVICE WATER SYSTEM
1-ISI-SW-82	SERVICE WATER SYSTEM
1-ISI-SW-86 S01	SERVICE WATER SYSTEM
1-ISI-SW-86 S02	SERVICE WATER SYSTEM
1-ISI-SW-86 S03	SERVICE WATER SYSTEM
1-ISI-SW-87 S01	SERVICE WATER SYSTEM
1-ISI-SW-87 S02	SERVICE WATER SYSTEM
1-ISI-SW-87 S03	SERVICE WATER SYSTEM
1-ISI-SW-88 S01	SERVICE WATER SYSTEM
1-ISI-SW-88 S02	SERVICE WATER SYSTEM
1-ISI-SW-88 S03	SERVICE WATER SYSTEM
1-ISI-SW-88 S04	SERVICE WATER SYSTEM
1-ISI-SW-89 S01	SERVICE WATER SYSTEM
1-ISI-SW-89 S02	SERVICE WATER SYSTEM
1-ISI-SW-89 S03	SERVICE WATER SYSTEM
1-ISI-SW-89 S04	SERVICE WATER SYSTEM
1-ISI-SW-90 S01	SERVICE WATER SYSTEM
1-ISI-SW-90 S02	SERVICE WATER SYSTEM
1-ISI-SW-90 S03	SERVICE WATER SYSTEM
1-ISI-SW-91 S01	SERVICE WATER SYSTEM
1-ISI-SW-91 S02	SERVICE WATER SYSTEM
1-ISI-SW-91 S03	SERVICE WATER SYSTEM
1-ISI-SW-92 S01	SERVICE WATER SYSTEM
1-ISI-SW-92 S02	SERVICE WATER SYSTEM
1-ISI-SW-93 S01	SERVICE WATER SYSTEM
1-ISI-SW-93 S02	SERVICE WATER SYSTEM
1-ISI-SW-110	SERVICE WATER SYSTEM
1-ISI-SW-112	SERVICE WATER SYSTEM
1-ISI-SW-118	SERVICE WATER SYSTEM
1-ISI-SW-119	SERVICE WATER SYSTEM
1-ISI-SW-120	SERVICE WATER SYSTEM
1-ISI-SWBP-1	SERVICE WATER BOOSTER PUMPS 'A' & 'B'
1-ISI-SWHX-1	SEAL WATER HEAT EXCHANGER

## IWE/IWL Drawing References<sup>1, 2</sup>

Document Number	Title
CAR-2165-G-0064	Containment Building Liner Penetration
CAR-2165-G-0065	Containment Building Liner Penetration
CAR-2165-G-0066	Containment Building Liner Penetration Sheet 3 "SF Transfer"
CAR-2165-G-0115	Containment Purge and Exhaust Penetration and Piping
CAR-2167-G-0660	Containment Building Dome Det. R Sh 1
CAR-2167-G-0661	Containment Building Dome Det. R Sh 2
CAR-2167-G-0766	Containment Building MS-FW Penetration Attachments
CAR-2167-G-0681	Containment Building Internal Mat Sections & Details (Moisture Barriers)
CAR-2168-G-0253 S05	Containment Building Liner Sheet 10
HNP-1364-4306	Valve Chamber Penetration
HNP-1364-1876	Valve Chamber Added Details
HNP-1364-14479	Equipment Hatch General Assembly
HNP-1364-39274	Penetration Type IIB
CAR-1364.481-S02	Containment Design Specification
CAR-SH-AS-1	Containment Liner, Air Locks, and Hatch Specification
CAR-SH-M-054	Containment Mechanical Penetration Specification
CAR-SH-AS-062	Containment Liner, Air Locks, and Hatch Specification
CAR-SH-E-028	Containment Electrical Penetration Specification

Notes:

1. See the ISI Schedule for additional drawing references.
2. During the 3<sup>rd</sup> Containment ISI Interval, ISI Isometric Drawings are not used. The listed-as-built drawings and specifications listed in this table shall be used.

## Appendix F - NDE Procedures

### F1. Examination Methods and Procedures to be used for Inservice Inspection

Inservice inspection of Shearon Harris Units 1 shall be performed using procedures which comply with the requirements of the applicable codes and code cases referenced in Section 5.0 of this plan. Volumetric, surface, and visual methods of examination shall be used as required. Each examination shall be performed under the Duke Energy QA Program.

A specific examination procedure is assigned by the site NDE Level III at the time of the exam and is selected from approved and issued NDE procedure referenced below. Procedures beginning with "NDE or "PDI" are found in the NGGM-PM-0011, Nuclear NDE Manual. Vendor inspection procedures that are to be used shall be listed in Section F5.1 as they become identified or as approved by Duke in contract documentation. Duke Energy examination procedures shall be approved documents in the NGGM-PM-0011 "Nuclear NDE Manual". Electronic Document Management System shall always be used to determine the latest revision for all NDE procedures used.

The following abbreviations are used to describe the type of inspection required for each item:

ECT	Eddy Current Testing
EVT-1	Enhanced VT-1 Inspection (ISI Visual Inspection)
PT	Liquid Penetrant Inspection
MT	Magnetic Particle Inspection
RT	Radiographic Inspection
UT	Ultrasonic Inspection
VT-1	ISI Visual Inspection
VT-3	ISI Visual Inspection (General Condition of Components and Supports)

### F2. Volumetric Examination

Volumetric examination shall be performed by manual and/or automated ultrasonic methods, except in some cases where ultrasonic methods are not practical. Radiographic examinations shall be used in these cases in lieu of ultrasonic examinations. Examination of reactor vessel welds shall be performed using an automated ultrasonic inspection device.

Steam generator tubing shall be examined using eddy current inspection methods as outlined in the Shearon Harris Technical Specifications. The Steam Generator Maintenance and Engineering Section/Engineering Support GO have overall responsibility for implementing and reporting any examinations pertaining to the Steam Generator Tubes. This work is planned, implemented, documented and reported independently from this document.

### **F3. Surface Examination**

Surface examination shall be performed using either liquid penetrant or magnetic particle methods. The liquid penetrant method shall be used for all surface examinations on austenitic steels and may also be used on ferritic steel. The magnetic particle method shall only be used on ferritic steel.

### **F4. Visual Examination**

Inservice visual examinations shall be performed using direct methods where practical. Remote visual examinations may be used in some cases. Enhanced visual methods may be used in lieu of ultrasonic for some examinations, as permitted by ASME Section XI and/or 10CFR50.55a.

### **F5. Examination Procedures**

For Shearon Harris Nuclear Power Plant Units 1 the latest revision of each procedure that has been approved shall be used. These procedures shall have Duke Energy approval prior to implementation. All Vendor procedures with Duke approvals shall be included in contract final report documentation, and shall be added to Section F5.1 of this Appendix. Reference NGGM-PM-0011, Nuclear NDE Manual.

The procedure to be used for the examination shall be selected by the NDE Level III, for the inspection methods listed in the HNP Schedule document HNP-PM4-003. Any procedure listed in the schedule shall be for "reference use only".

The calibration block(s) to be used for the UT examination shall be selected by the NDE Level III, from the calibration blocks listed in this ISI Plan HNP-PM4-002 Appendix B. The designation of "TBD" is used to indicate cases where the calibration block is still being designed and or fabricated. This listing of calibration blocks shall be updated after new calibration blocks are fabricated and approved for use.



## Appendix G - Acronyms and Abbreviations

Listed within this section are acronyms and abbreviations that have been utilized within this document:

Acronym	Title
10CFR	Title 10 Atomic Energy Code of Federal Regulations 10CFR50
AF	Auxiliary Feedwater
AFW	Auxiliary Feedwater
AFWS	Auxiliary Feedwater System
AI	Authorized Inspector
AIA	Authorized Inspection Agency
ALARA	As Low As Reasonably Achievable
ANI	Authorized Nuclear Inspector/American Nuclear Insurers
ANII	Authorized Nuclear Inservice Inspector
AS	Auxiliary Steam
ASME	American Society of Mechanical Engineers
ASNT	American Society of Nondestructive Testing
ASTM	American Society for Testing and Materials
AWS	American Welding Society
BAT	Boric Acid Tank
BC	Branch Connection
BD	Steam Generator Blowdown System
BD TK	Blowdown Tank
BIT	Boron Injection Tank
BMI	Bottom Mounted Instrumentation
BOP	Balance of Plant
B&PV	Boiler and Pressure Vessel
CAP	Corrective Action Program
CAT	Chemical Addition Tank
CISI	Containment Inservice Inspection
CCW	Component Cooling Water System (CCWS)
CH	Essential Services Chilled Water System
CL	Cold Leg
CMTR	Certified Material Test Reports
CNMT	Containment
CP-189	Standard for the Qualification and Certification of NDT Personnel CRD
CRDM	Control Rod Drive Mechanism
CRS	Code Required Surface
CS	Chemical and Volume Control System (CVCS)
CS	Carbon Steel

<b>Acronym</b>	<b>Title</b>
CST	Condensate Storage Tank
CT	Containment Spray System
CTMT	Containment
CV	Containment Vessel
CVCS	Chemical and Volume Control System
DP	Design Pressure
DT	Design Temperature
EA	Diesel Generator Engine Starting Air System
EC	Eddy Current
ECCS	Emergency Core Cooling System
ECT	Eddy Current Testing
EFPD	Effective Full Power Day(s)
EFPH	Effective Full Power Hour(s)
EFPY	Effective Full Power Year(s)
EPRI	Electric Power Research Institute
ESW	Emergency Service Water System
EWR	Engineering Work Request
FAC	Flow Accelerated Corrosion
FSAR	Final Safety Analysis Report
FW	Main Feedwater System
FO	Diesel Generator Fuel Oil System
HELB	High Energy Line Break
HESS	Harris Engineering Support Services
HL	Hot Leg
IA	Instrument Air System
ISI	Inservice Inspection
LO	Diesel Generator Engine Lube Oil System
MRP	Materials Reliability Program
MS	Main Steam System
MSDS	Material Safety Data Sheets
NDE	Nondestructive Examination
NOP	Normal Operating Pressure
NOT	Normal Operating Temperature
NPS	Nominal Pipe Size
NRC	Nuclear Regulatory Commission
P&ID	Piping and Instrument Diagram
PE	Progress Energy
PM	Reactor Makeup Water System
PRA	Probabilistic Risk Assessment

<b>Acronym</b>	<b>Title</b>
PRT	Pressurizer Relief Tank
PSI	Preservice Inspection
PT	Liquid Penetrant Testing (Examination)
PTZ	Pan Tilt Zoom
PWR	Pressurized Water Reactor
PZR	Pressurizer
PWST	Primary Water Storage Tanks
RAB	Reactor Auxiliary Building
RC	Reactor Coolant
RCP	Reactor Coolant Pump
RCS	Reactor Coolant System
RG	Regulatory Guide
RHR	Residual Heat Removal
RPV	Reactor Pressure Vessel
RV	Reactor Vessel
SAT	Spray Additive Tank
SC	Safety Class
SCC	Stress Corrosion Cracking
SER	Safety Evaluation Report
SF	Spent Fuel Cooling and Clean Up System
SG	Steam Generator
SI	Safety Injection System
SNT-TC-1A	American Society for Nondestructive Testing (ASNT)
SP	Containment Purge Vacuum Relief and Hydrogen System
SS	Stainless Steel
STAR	Stop Think Act Review
SW	Service Water System
t	Thickness of Component, Pipe, etc.,
UFSAR	Updated Final Safety Analysis Report
UT	Ultrasonic Testing
VT	Visual Test
WG	Gaseous Waste Processing System

**SERIAL HNP-17-025**

**ENCLOSURE 2**

**FOURTH TEN-YEAR INTERVAL INSERVICE INSPECTION SCHEDULE AND  
THIRD CONTAINMENT IWE/IWL INSERVICE INSPECTION SCHEDULE**

**SHEARON HARRIS NUCLEAR POWER PLANT, UNIT 1**

**DOCKET NO. 50-400**

**RENEWED LICENSE NO. NPF-63**

**449 PAGES PLUS COVER**

Owner:

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526 South Church Street  
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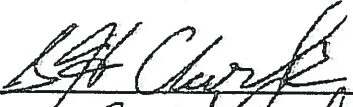
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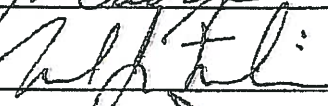
Shearon Harris Nuclear Power Plant  
5413 Shearon Harris Road  
New Hill, North Carolina 27562





Fourth Ten-Year Interval  
Inservice Inspection Schedule and  
Third Containment IWE/IWL Inservice Inspection Schedule

HNP-PM4-003 Rev 0

Originated By: S H Clark  Date 08/30/2017

Checked By: M. J. Ferlisi  Date 08/30/2017

Approved By: F. M. Dean, P.E.  Date 8/30/2017  
(Harris IWL Responsible Engineer IWL items Only)

Approved By:  Date 8/31/2017  
MARK A PYNE

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## 1.0 Scope

- 1.1 This document describes the schedule for the Fourth Ten-Year Inservice Inspection Interval for Shearon Harris Nuclear Power Plant, Unit No. 1, herein referred to as HNP. This document also includes the Third Ten Year Containment IWE/IWL Inservice Inspection Interval schedule. The Third Interval Containment schedule is included in this document and is considered the same as the fourth Interval ISI schedule. This document works in conjunction with the Fourth Ten-Year Inservice Inspection Plan HNP-PM4-002, Revision 0 found in the Electronic Document Management System.
- 1.2 This document was developed and prepared to meet the requirements of American Society of Mechanical Engineers, Boiler and Pressure Vessel Code, Section XI, 2007 Edition, thru the 2008 Addenda and is subject to the limitations and modifications of 10 CFR 50.55a(b)(2), except the design and access provisions and preservice examination requirements. It identifies those components and/or systems and their supports that are subject to examination and testing.
- 1.3 Items requiring augmented inservice inspection are described in the Augmented Examination Program per Fleet Procedure AD-EG-ALL-1704 and program document HNP-PM4-007, Augmented Inservice Inspection Plan and Schedule.

## 2.0 Purpose

- 2.1 This document details the Fourth Ten-Year Interval Inservice Inspection Schedule for Shearon Harris Nuclear Power Plant Unit 1. This document also details the Third Containment Ten-Year Interval Inservice Inspection Schedule for Shearon Harris Nuclear Power Plant Unit 1. The Containment IWE/IWL Interval is called the fourth ISI interval in this schedule document.
- 2.2 The Fourth Ten-Year Interval Inservice Inspection Schedule for Class 1, Class 2, Class 3, Class MC, and CC systems and components was developed from HNP-PM4-002, "Fourth Ten-Year Interval Inservice Inspection Plan".
- 2.3 The Fourth Ten-Year Interval Inservice Inspection Schedule contains the schedule for the first, second and third inspection periods of the Fourth ten-year interval.

## 3.0 References

- 3.1 ASME Code Section XI, 2007 Edition, thru 2008 Addenda
- 3.2 HNP-PM4-001, "Fourth Ten Year Interval Inservice Inspection Basis"
- 3.3 HNP-PM4-002, "Fourth Ten Year Interval Inservice Inspection Plan"
- 3.4 NGGM-PM-0011, "Nuclear NDE Manual"

- 3.5 EGR-NGGC-0210, “ASME Section XI Inservice Inspection Program/Plan Administration”
- 3.6 HNP-PM4-005, “Fourth Ten Year Interval Inservice Inspection Pressure Test Plan and Schedule”
- 3.7 HNP-PM4-004 “Fourth Ten Year Interval Inservice Inspection Pressure Testing Basis
- 3.8 AD-EG-ALL-1704“Augmented Inservice Inspection Program Administration”
- 3.9 PD-EG-ALL-1701, “ASME Section XI Program”
- 3.10 AD-EG-ALL-1702, “ASME Section XI Inservice Inspection Program Administration”
- 3.11 AD-EG-ALL-1706, ASME Section XI Pressure Testing Program Administration
- 3.12 AD-EG-ALL-1703, “ASME Section XI Repair/Replacement Program Administration”
- 3.13 HNP-PM4-007, “Augmented Inservice Inspection Plan and Schedule”

#### **4.0 Schedule**

- 4.1 The Fourth Ten-Year Interval Inservice Inspection Schedule contains Attachments that identify the ASME Code Category identified in the IWX-2500 tables.
- 4.2 Each Code Category identified in this Schedule contains all items applicable to the fourth ten-year interval. The following schedules are included as attachments to this document:
  - 4.2.1 Category B-A “Pressure Retaining Welds in Reactor Vessel”
  - 4.2.2 Category B-B “Pressure Retaining Welds in Vessels Other Than Reactor Vessels”
  - 4.2.3 Category B-D “Full Penetration Welded Nozzles in Vessels”
  - 4.2.4 Category B-G-1 “Pressure Retaining Bolting, Greater than 2” In Diameter”
  - 4.2.5 Category B-G-2 “Pressure Retaining Bolting, 2” And Less in Diameter”
  - 4.2.6 Category B-K “Welded Attachments for Vessels, Piping, Pumps and Valves”
  - 4.2.7 Category B-L-2, “Pump Casings”
  - 4.2.8 Category B-M-2 “Valve Bodies”



- 4.2.9 Category B-N-1, "Interior Of Reactor Vessel", Category B-N-2 "Welded Core Support Structures and Interior Attachments To Reactor Vessels" & Category B-N-3, "Removable Core Support Structures"
- 4.2.10 Category B-O "Pressure Retaining Welds in Control Rod Drive and Instrument Nozzle Housings"
- 4.2.11 Category B-Q " Steam Generator Tubing"
- 4.2.12 Category C-C "Welded Attachments for Vessels, Piping, Pumps and Valves"
- 4.2.13 Category D-A "Welded Attachments for Vessels, Piping, Pumps, and Valves"
- 4.2.14 Category E-A, "Containment Surfaces"
- 4.2.15 Category E-C, "Containment Surfaces Requiring Augmented Examinations"
- 4.2.16 Category E-G "Pressure Retaining Bolting"
- 4.2.17 Category F-A "F1.10 "Class 1 Piping Supports"
- 4.2.18 Category F-A, F1.20 "Class 2 Piping Supports"
- 4.2.19 Category F-A, F1.30 "Class 3 Piping Supports"
- 4.2.20 Category F-A, F1.40 "Supports Other Than Piping Supports (Class 1, 2, 3, and MC)"
- 4.2.21 Category L-A, "Concrete"
- 4.2.22 Category R-A, Item No. R1.11, R1.16, R1.17, R1.20, R1.31-20, R1.31-30, R1.32-21, and R1.32-22.

## 5.0 Components

- 5.1 Tables within each Category contain pertinent information for each uniquely identified item. The items are further identified in the tables as follows:
  - 5.1.1 Category – The ASME examination category that the item is applicable to.
  - 5.1.2 Item # - The item number from the associated ASME Code Category.
  - 5.1.3 Class – The ASME Code Class identified on the applicable P&ID drawing for the item.
  - 5.1.4 Summary No.– The unique number assigned within IDDEAL Software Suite to a particular component.
  - 5.1.5 Component ID – The unique identification number for a particular component.

- 5.1.6 System # - The number assigned to the system.
- 5.1.7 Scope – The applicable scope of the component (e.g. ISI, IWE, IWL, AUG, OWN, PSI). This information is provided only for scheduled examinations.
- 5.1.8 Method – The applicable NDE method required to be performed on the component. This information is provided only for scheduled examinations.
- 5.1.9 Isometric Drawing – The ISI isometric drawing identifying the location of the item.
- 5.1.10 Component Description – A description of the component configuration.
- 5.1.11 Code Case – The identification of Code Case(s) assigned to a component. Where there are generic applications for Code Cases, they are identified in the Fourth Ten Year Interval Inservice Inspection Plan, Appendix D.
- 5.1.12 Relief Request – Identifies if a particular relief has been applied to the item. Where there are generic applications for relief requests, they are identified in the Fourth Ten Year Interval Inservice Inspection Plan, Appendix C.
- 5.1.13 Period – The period within the Fourth ten year interval in which the exam is scheduled to be completed.
- 5.1.14 Comments – A comment section for related comments for the examination item. Additional information shall be included in the comments space when necessary to positively identify the area to be examined.
- 5.1.15 Schedule – The period in which the item has been scheduled for examination. Listed below are the letters that are utilized for the component period status and their meaning (some components may contain more than one identification):
  - 5.1.15.1 s – Scheduled examination. To schedule a component, place the identifier "s" in the required period/outage.
  - 5.1.15.2 c - Complete examination. Upon exam completion for a scheduled component and by uploading the outage scope from IDDEAL back to ScheduleWorks, an "s" will be updated to completed "c".
  - 5.1.15.3 r – Rescheduled examination. Once a component has been scheduled, and you wish to reschedule to another outage, replace the scheduled "s" with a rescheduled "r" and enter an "s" in the new outage schedule.

- 5.1.15.4 e - Expanded scope examination. To increase a work scope without taking code credit in the percentage calculations, enter an expanded "e". Upon exam completion of an expanded scope and by either uploading the outage scope from IDDEAL or manually changing the letter to an upper case "E" the exam scope is completed.
- 5.1.15.5 a – Additional expanded scope examination. After an initial expanded work scope has been identified and you wish to add an increased expanded work scope, enter an additional expanded scope "a". Upon exam completion of an additional expanded scope and by either uploading the outage scope from IDDEAL or manually changing the letter to an upper case "A" the exam scope is completed.
- 5.1.15.6 b – For multiple scheduling of the same component in successive outages or periods within an interval. Upon exam completion of a multiple scope in the same interval and by either uploading the outage scope from IDDEAL or manually changing the letter to an upper case "B" the exam scope is completed.
- 5.1.15.7 p – Partial examination. To track partially completed component examination requirements enter a partial "p".
- 5.1.15.8 d – Deferred examination. Once a component has been scheduled, and you wish to defer the inspection to another outage, or period, replace the scheduled "s" with a deferred "d" and enter an "s" in the new outage.
- 5.1.15.9 "L" -Limited examination. To track limited component examinations or limited completions of requirements enter "L". In addition, when examination Code required volume is equal to 90% or less, enter Relief Request XX into the applicable Code Case/Relief Request Column.
- 5.1.15.10 "h" – Successive –Successive examination required by ASME XI. Upon completion of a successive exam enter an upper case "H" when exam scope is completed.
- 5.1.15.11 A component ID with the suffix "INT" identifies a pump or valve internal surface. Example: II-SI-0271SI-135 INT identifies valve 1SI-135 Internal Surface examination in accordance with Category B-M-2.

- 5.1.15.12 A component ID with the suffix “ATT” identifies an Welded attachment. Example: CT-H-0306-ATT indicates support CT-H-0306 welded attachment.
- 5.1.15.13 A component suffix with two, three digit numbers separated by a dash indicates the number of support members that make up the support. This type of identification is used for Category F-A, F1.40 Component Supports other than piping such as vessels, pumps, heat exchangers, etc. Example: II-CCHX-1A-H-001-002 identifies two support legs that make up the support on the Component Cooling Water Heat Exchanger.
- 5.1.15.14 Numbers with a dash in parenthesis after a component ID indicate a number of individual components grouped as one line item. Example: II-RV-001RV-BMI(1-50) identifies all 50 Reactor Vessel Bottom Mounted Instrumentation penetrations as a single line item.
- 5.1.15.15 For Category B-G-2 bolting component identification, the component ID is followed by a number in parenthesis indicating the number of bolts, studs, nuts, washers, or bushings.

Examples:

II-SI-025SI-82 VBB(1-16)

Identifies 16 SI valve 1SI-82 Valve Bonnet bolts or studs.

II-RCP-01RCPB-CSBOLT(1-8)

Identifies 8 RCP Cartridge Seal bolts or studs.

II-RC-027RC-115-F-01(1-12)

Identifies 12 Piping Flange bolts or studs.

II-SG-001SGC-CLMN(1-16)

Identifies 16 Steam Generator “C” Cold Leg Manway nuts.

- 5.1.16 The NDE ISI Schedule listing identified in the attachments corresponds to period/refueling outage numbers for the fourth ten-year interval as follows:

Period 1		Period 2			Period 3	
1/1	1/2	2/1	2/2	2/3	3/1	3/2
H121	H122	H123	H124	H125	H126	H127

The Containment Third Interval Schedule listing (E-A, E-C, E-G, and L-A Categories identified in the attachments ) identifies the period/refueling outage numbers for the Third ten-year CISI interval as follows:

Period 1		Period 2		Period 3	
1/1	1/2	2/1	2/2	3/1	3/2
H122	H123	H124	H125	H126	H127

### 6.0 Support Classifications

Classification of supports is addressed in the ISI Plan.

## Revision Summary

Rev 0	Original issue	8/29/2017	

## **Attachments (Examination Categories)**

# Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	

# Category B-A



# Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
		ISI / UT					
<b>B-A</b>	H-03770		1-ISI-RV-1			s	For additional information and validation purposes, the Reactor Manual (VM-OJQ), and the Wes Dyne 10 year Reactor Vessel Inservice Examination Report (dated 2006) was used for 4th Interval update.
B1.11 1	II-RV-001CSW-RV-02 RC-1005		Reactor Vessel Circumferential Shell Weld				
		ISI / UT					
<b>B-A</b>	H-03771		1-ISI-RV-1			s	For additional information and validation purposes, the Reactor Manual (VM-OJQ), and the Wes Dyne 10 year Reactor Vessel Inservice Examination Report (dated 2006) was used for 4th Interval update.
B1.11 1	II-RV-001CSW-RV-03 RC-1005		Reactor Vessel Circumferential Shell Weld				
		ISI / UT					
<b>B-A</b>	H-03826		1-ISI-RV-1			s	For additional information and validation purposes, the Reactor Manual (VM-OJQ), and the Wes Dyne 10 year Reactor Vessel Inservice Examination Report (dated 2006) was used for 4th Interval update.
B1.11 1	II-RV-001STHW-RV-04 RC-1005		Reactor Vessel Circumferential Shell Weld				
		ISI / UT					
<b>B-A</b>	H-03776		1-ISI-RV-1			s	For additional information and validation purposes, the Reactor Manual (VM-OJQ), and the Wes Dyne 10 year Reactor Vessel Inservice Examination Report (dated 2006) was used for 4th Interval update.
B1.12 1	II-RV-001LSW-RV-05 RC-1005		Reactor Vessel Longitudinal Shell Weld				
		ISI / UT					
<b>B-A</b>	H-03777		1-ISI-RV-1			s	For additional information and validation purposes, the Reactor Manual (VM-OJQ), and the Wes Dyne 10 year Reactor Vessel Inservice Examination Report (dated 2006) was used for 4th Interval update.
B1.12 1	II-RV-001LSW-RV-06 RC-1005		Reactor Vessel Longitudinal Shell Weld				
		ISI / UT					
<b>B-A</b>	H-03778		1-ISI-RV-1			s	For additional information and validation purposes, the Reactor Manual (VM-OJQ), and the Wes Dyne 10 year Reactor Vessel Inservice Examination Report (dated 2006) was used for 4th Interval update.
B1.12 1	II-RV-001LSW-RV-07 RC-1005		Reactor Vessel Longitudinal Shell Weld				

# Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
<b>B-A</b> B1.12 1	H-03779 II-RV-001LSW-RV-08 RC-1005	ISI / UT	1-ISI-RV-1 Reactor Vessel Longitudinal Shell Weld			s	For additional information and validation purposes, the Reactor Manual (VM-OJQ), and the Wes Dyne 10 year Reactor Vessel Inservice Examination Report (dated 2006) was used for 4th Interval update.
<b>B-A</b> B1.12 1	H-03780 II-RV-001LSW-RV-09 RC-1005	ISI / UT	1-ISI-RV-1 Reactor Vessel Longitudinal Shell Weld			s	For additional information and validation purposes, the Reactor Manual (VM-OJQ), and the Wes Dyne 10 year Reactor Vessel Inservice Examination Report (dated 2006) was used for 4th Interval update.
<b>B-A</b> B1.12 1	H-03781 II-RV-001LSW-RV-10 RC-1005	ISI / UT	1-ISI-RV-1 Reactor Vessel Longitudinal Shell Weld			s	For additional information and validation purposes, the Reactor Manual (VM-OJQ), and the Wes Dyne 10 year Reactor Vessel Inservice Examination Report (dated 2006) was used for 4th Interval update.
<b>B-A</b> B1.21 1	H-03743 II-RV-001CHW-RV-17 RC-1005	ISI / UT	1-ISI-RV-1 RPV Lower Head Circumferential Weld			s	For additional information and validation purposes, the Reactor Manual (VM-OJQ), and the Wes Dyne 10 year Reactor Vessel Inservice Examination Report (dated 2006) was used for 4th Interval update.
<b>B-A</b> B1.22 1	H-03782 II-RV-001MHW-RV-11 RC-1005	ISI / UT	1-ISI-RV-1 Reactor Vessel Meridional Head Weld			s	For additional information and validation purposes, the Reactor Manual (VM-OJQ), and the Wes Dyne 10 year Reactor Vessel Inservice Examination Report (dated 2006) was used for 4th Interval update.
<b>B-A</b> B1.22 1	H-03783 II-RV-001MHW-RV-12 RC-1005	ISI / UT	1-ISI-RV-1 Reactor Vessel Meridional Head Weld			s	For additional information and validation purposes, the Reactor Manual (VM-OJQ), and the Wes Dyne 10 year Reactor Vessel Inservice Examination Report (dated 2006) was used for 4th Interval update.

# Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
<b>B-A</b> B1.22 1	H-03784 II-RV-001MHW-RV-13 RC-1005	ISI / UT	1-ISI-RV-1 Reactor Vessel Meridional Head Weld			s	For additional information and validation purposes, the Reactor Manual (VM-OJQ), and the Wes Dyne 10 year Reactor Vessel Inservice Examination Report (dated 2006) was used for 4th Interval update.
<b>B-A</b> B1.22 1	H-03785 II-RV-001MHW-RV-14 RC-1005	ISI / UT	1-ISI-RV-1 Reactor Vessel Meridional Head Weld			s	For additional information and validation purposes, the Reactor Manual (VM-OJQ), and the Wes Dyne 10 year Reactor Vessel Inservice Examination Report (dated 2006) was used for 4th Interval update.
<b>B-A</b> B1.22 1	H-03786 II-RV-001MHW-RV-15 RC-1005	ISI / UT	1-ISI-RV-1 Reactor Vessel Meridional Head Weld			s	For additional information and validation purposes, the Reactor Manual (VM-OJQ), and the Wes Dyne 10 year Reactor Vessel Inservice Examination Report (dated 2006) was used for 4th Interval update.
<b>B-A</b> B1.22 1	H-03787 II-RV-001MHW-RV-16 RC-1005	ISI / UT	1-ISI-RV-1 Reactor Vessel Meridional Head Weld			s	For additional information and validation purposes, the Reactor Manual (VM-OJQ), and the Wes Dyne 10 year Reactor Vessel Inservice Examination Report (dated 2006) was used for 4th Interval update.
<b>B-A</b> B1.30 1	H-03773 II-RV-001FTSW-RV-01 RC-1005	ISI / UT	1-ISI-RV-1 Reactor Vessel Shell to Flange Weld			s	For additional information and validation purposes, the Reactor Manual (VM-OJQ), and the Wes Dyne 10 year Reactor Vessel Inservice Examination Report (dated 2006) was used for 4th Interval update.
<b>B-A</b> B1.40 1	H-03772 II-RV-001FTHW-RV-18 RC-1005	ISI / MT	1-ISI-RV-1 Reactor Vessel Head to Flange Weld	s			For additional information and validation purposes, the Reactor Manual (VM-OJQ), and the Wes Dyne 10 year Reactor Vessel Inservice Examination Report (dated 2006) was used for 4th Interval update. This was a limited exam in previous interval.

# Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	

# Category B-B

# Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
B-B	H-03010	ISI / UT	1-ISI-PZR-1 Pressurizer Circumferential Shell to Lower Head Weld			s	The lower head and shell are fabricated of manganese-molybdenum steel plate, SA-533, clad with austenitic stainless steel. Thickness dimension was verified from previous exam data.
B2.11 1	II-PZR-01STHW-01 RC-2050						
B-B	H-03011	ISI / UT	1-ISI-PZR-1 Pressurizer Circumferential Shell to Upper Head Weld	s			The upper head and shell are fabricated from manganese-molybdenum steel plate, SA-533, clad with austenitic stainless steel. Thickness dimension was verified from previous exam data.
B2.11 1	II-PZR-01STHW-04 RC-2050						
B-B	H-02978	ISI / UT	1-ISI-PZR-1 Pressurizer Lower Shell Longitudinal Weld			s	The pressurizer shell is fabricated of manganese-molybdenum steel plate, SA-533, clad with austenitic stainless steel. Thickness dimension was verified from previous exam data.
B2.12 1	II-PZR-01LSW-05 RC-2050						
B-B	H-02980	ISI / UT	1-ISI-PZR-1 Pressurizer Upper Shell Longitudinal Weld	s			The pressurizer shell is fabricated of manganese-molybdenum steel plate, SA-533, clad with austenitic stainless steel. Thickness dimension was verified from previous exam data.
B2.12 1	II-PZR-01LSW-07 RC-2050						
B-B	H-03849		1-ISI-SG-1 Steam Generator "A" Tube Sheet to Head Weld				Exam was limited in previous 3rd Interval. The dimensions listed for thickness/diameter are those of the "B" SG.
B2.40 1	II-SG-001SGA-TSTHW-06-1 RC-3005						
B-B	H-03872	ISI / UT	1-ISI-SG-2 Steam Generator "B" Tube Sheet to Head Weld			s	SG TSTHW thickness for the 4th 10 year interval was determined using previous exam data. The SG head and tubesheet are made of ASME-SA-508. The SG head and tubesheet are a forged components. In 3rd Interval Limited exam. 70.1% CRV obtained.
B2.40 1	II-SG-001SGB-TSTHW-06-1 RC-3005						

# Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
		ISI / UT					
<b>B-B</b>	H-03895		1-ISI-SG-3 Steam Generator "C" Tube Sheet to Head Weld				The SG lower and upper shells are made of ASME-SA-533. The SG head and tubesheet are forged components. The dimensions listed for Thickness/Diameter are those of the "B" SG. This dimension will need to be verified prior to exam.
B2.40 1	II-SG-001SGC-TSTHW-06-1 RC-3005						

# Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	

# Category B-D

# Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
B-D B3.100 1	H-03788 II-RV-001NIRAI-01 RC-1005	ISI / UT	1-ISI-RV-1 Cold Leg Loop "A" Nozzle Inside Radius Section			s	Reactor Vessel Inlet Nozzle @ 335 Degrees.  For additional information and validation purposes, the Reactor Manual (VM-OJQ), and the Wes Dyne 10 year Reactor Vessel Inservice Examination Report (dated 2006) was used for 4th Interval update.
						s	Reactor Vessel Outlet Nozzle @ 25 Degrees.  For additional information and validation purposes, the Reactor Manual (VM-OJQ), and the Wes Dyne 10 year Reactor Vessel Inservice Examination Report (dated 2006) was used for 4th Interval update.
B-D B3.100 1	H-03789 II-RV-001NIRAO-06 RC-1005	ISI / UT	1-ISI-RV-1 Hot Leg Loop "A" Nozzle Inside Radius Section			s	Reactor Vessel Inlet Nozzle @ 215 Degrees.  For additional information and validation purposes, the Reactor Manual (VM-OJQ), and the Wes Dyne 10 year Reactor Vessel Inservice Examination Report (dated 2006) was used for 4th Interval update.
						s	Reactor Vessel Inlet Nozzle @ 215 Degrees.  For additional information and validation purposes, the Reactor Manual (VM-OJQ), and the Wes Dyne 10 year Reactor Vessel Inservice Examination Report (dated 2006) was used for 4th Interval update.



# Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
B-D B3.100 1	H-03791 II-RV-001NIRBO-02 RC-1005	ISI / UT	1-ISI-RV-1 Hot Leg Loop "B" Nozzle Inside Radius Section			s	Reactor Vessel Outlet Nozzle @ 265 Degrees.  For additional information and validation purposes, the Reactor Manual (VM-OJQ), and the Wes Dyne 10 year Reactor Vessel Inservice Examination Report (dated 2006) was used for 4th Interval update.
B-D B3.100 1	H-03792 II-RV-001NIRCI-05 RC-1005	ISI / UT	1-ISI-RV-1 Cold Leg Loop "C" Nozzle Inside Radius Section			s	Reactor Vessel Inlet Nozzle @ 95 Degrees.  For additional information and validation purposes, the Reactor Manual (VM-OJQ), and the Wes Dyne 10 year Reactor Vessel Inservice Examination Report (dated 2006) was used for 4th Interval update.
B-D B3.100 1	H-03793 II-RV-001NIRCO-04 RC-1005	ISI / UT	1-ISI-RV-1 Hot Leg Loop "C" Nozzle Inside Radius Section			s	Reactor Vessel Outlet Nozzle @ 145 Degrees.  For additional information and validation purposes, the Reactor Manual (VM-OJQ), and the Wes Dyne 10 year Reactor Vessel Inservice Examination Report (dated 2006) was used for 4th Interval update.
B-D B3.110 1	H-02995 II-PZR-01NTHW-08 RC-2050	ISI / UT	1-ISI-PZR-1 Surge Nozzle to Vessel Weld		s		Thickness of shell could not be validated on any design drawing so previous exam data was used. If actual thickness is needed then a field measurement will be required.
B-D B3.110 1	H-02996 II-PZR-01NTHW-09 RC-2050	ISI / UT	1-ISI-PZR-1 Spray Nozzle to Upper Head		s		Thickness of shell could not be validated on any design drawing so previous exam data was used. If actual thickness is needed then a field measurement will be required.

## Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
B-D B3.110 1	H-02997 II-PZR-01NTHW-10 RC-2050	ISI / UT	1-ISI-PZR-1 Safety Nozzle to Upper Head	s			Safety Nozzle in W-Z quadrant shown on 1364-2440. Thickness of shell could not be validated on any design drawing so previous exam data was used. If actual thickness is needed then a field measurement will be required.
B-D B3.110 1	H-02998 II-PZR-01NTHW-11 RC-2050	ISI / UT	1-ISI-PZR-1 Safety Nozzle to Upper Head	s			Safety Nozzle in W-X quadrant shown on 1364-2440. Thickness of shell could not be validated on any design drawing so previous exam data was used. If actual thickness is needed then a field measurement will be required.
B-D B3.110 1	H-02999 II-PZR-01NTHW-12 RC-2050	ISI / UT	1-ISI-PZR-1 Safety Nozzle to Upper Head	s			Safety Nozzle in X-Y quadrant shown on 1364-2440. Thickness of shell could not be validated on any design drawing so previous exam data was used. If actual thickness is needed then a field measurement will be required.
B-D B3.110 1	H-03000 II-PZR-01NTHW-13 RC-2050	ISI / UT	1-ISI-PZR-1 Relief Nozzle to Upper Head		s		Thickness of shell could not be validated on any design drawing so previous exam data was used. If actual thickness is needed then a field measurement will be required.
B-D B3.120 1	H-02983 II-PZR-01NIR-08 RC-2050	ISI / UT	1-ISI-PZR-1 Surge Nozzle Inside Radius Section		s		Thickness of shell could not be validated on any design drawing so previous exam data was used. If actual thickness is needed then a field measurement will be required.
B-D B3.120 1	H-02984 II-PZR-01NIR-09 RC-2050	ISI / UT	1-ISI-PZR-1 Spray Nozzle Inside Radius Section		s		Thickness of shell could not be validated on any design drawing so previous exam data was used. If actual thickness is needed then a field measurement will be required.
B-D B3.120 1	H-02985 II-PZR-01NIR-10 RC-2050	ISI / UT	1-ISI-PZR-1 Safety Nozzle Inside Radius Section		s		Safety Nozzle in W-Z quadrant shown on 1364-2440. Thickness of shell could not be validated on any design drawing so previous exam data was used. If actual thickness is needed then a field measurement will be required.

# Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
B-D B3.120 1	H-02986 II-PZR-01NIR-11 RC-2050	ISI / UT	1-ISI-PZR-1 Safety Nozzle Inside Radius Section		s		Safety Nozzle in W-X quadrant shown on 1364-2440. Thickness of shell could not be validated on any design drawing so previous exam data was used. If actual thickness is needed then a field measurement will be required.
B-D B3.120 1	H-02987 II-PZR-01NIR-12 RC-2050	ISI / UT	1-ISI-PZR-1 Safety Nozzle Inside Radius Section		s		Safety Nozzle in X-Y quadrant shown on 1364-2440. Thickness of shell could not be validated on any design drawing so previous exam data was used. If actual thickness is needed then a field measurement will be required.
B-D B3.120 1	H-02988 II-PZR-01NIR-13 RC-2050	ISI / UT	1-ISI-PZR-1 Relief Nozzle Inside Radius Section		s		Thickness of shell could not be validated on any design drawing so previous exam data was used. If actual thickness is needed then a field measurement will be required.
B-D B3.140 1	H-03831 II-SG-001SGA-CLNIR-09-1 RC-3005	ISI / UT	1-ISI-SG-1 Primary Outlet Nozzle Inside Radius Section			s	
B-D B3.140 1	H-03846 II-SG-001SGA-HLNIR-09-1 RC-3005	ISI / UT	1-ISI-SG-1 Primary Inlet Nozzle Inside Radius Section <No Code Case			s	
B-D B3.140 1	H-03854 II-SG-001SGB-CLNIR-09-1 RC-3005	ISI / UT	1-ISI-SG-2 Primary Outlet Nozzle Inside Radius Section <No Code Case			s	
B-D B3.140 1	H-03869 II-SG-001SGB-HLNIR-09-1 RC-3005	ISI / UT	1-ISI-SG-2 Primary Inlet Nozzle Inside Radius Section			s	
B-D B3.140 1	H-03877 II-SG-001SGC-CLNIR-09-1 RC-3005	ISI / UT	1-ISI-SG-3 Primary Outlet Nozzle Inside Radius Section			s	

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
B-D B3.140 1	H-03892 II-SG-001SGC-HLNIR-09-1 RC-3005	ISI / UT	1-ISI-SG-3 Primary Inlet Nozzle Inside Radius Section			s	
B-D B3.90 1	H-03805 II-RV-001RVNOZAI-N-01 RC-1005	ISI / UT	1-ISI-RV-A600 Cold Leg Loop "A" Nozzle to Shell Weld			s	Reactor Vessel Inlet Nozzle @ 335 Degrees.  For additional information and validation purposes, the Reactor Manual (VM-OJQ), and the Wes Dyne 10 year Reactor Vessel Inservice Examination Report (dated 2006) was used for 4th Interval update.
B-D B3.90 1	H-03807 II-RV-001RVNOZAO-N-06 RC-1005	ISI / UT	1-ISI-RV-A600 Hot Leg Loop "A" Nozzle to Shell Weld			s	Reactor Vessel Outlet Nozzle @ 25 Degrees.  For additional information and validation purposes, the Reactor Manual (VM-OJQ), and the Wes Dyne 10 year Reactor Vessel Inservice Examination Report (dated 2006) was used for 4th Interval update.
B-D B3.90 1	H-03809 II-RV-001RVNOZBI-N-03 RC-1005	ISI / UT	1-ISI-RV-A600 Cold Leg Loop "B" Nozzle to Shell Weld			s	Reactor Vessel Inlet Nozzle @ 215 Degrees.  For additional information and validation purposes, the Reactor Manual (VM-OJQ), and the Wes Dyne 10 year Reactor Vessel Inservice Examination Report (dated 2006) was used for 4th Interval update.
B-D B3.90 1	H-03811 II-RV-001RVNOZBO-N-02 RC-1005	ISI / UT	1-ISI-RV-A600 Hot Leg Loop "B" Nozzle to Shell Weld			s	Reactor Vessel Outlet Nozzle @ 265 Degrees.  For additional information and validation purposes, the Reactor Manual (VM-OJQ), and the Wes Dyne 10 year Reactor Vessel Inservice Examination Report (dated 2006) was used for 4th Interval update.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
		ISI / UT					Reactor Vessel Inlet Nozzle @ 95 Degrees.
<b>B-D</b> B3.90 1	H-03813 II-RV-001RVNOZCI-N-05 RC-1005		1-ISI-RV-A600 Cold Leg Loop "C" Nozzle to Shell Weld			s	For additional information and validation purposes, the Reactor Manual (VM-OJQ), and the Wes Dyne 10 year Reactor Vessel Inservice Examination Report (dated 2006) was used for 4th Interval update.
		ISI / UT					Reactor Vessel Outlet Nozzle @ 145 Degrees.
<b>B-D</b> B3.90 1	H-03815 II-RV-001RVNOZCO-N-04 RC-1005		1-ISI-RV-A600 Hot Leg Loop "C" Nozzle to Shell Weld			s	For additional information and validation purposes, the Reactor Manual (VM-OJQ), and the Wes Dyne 10 year Reactor Vessel Inservice Examination Report (dated 2006) was used for 4th Interval update.

# Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	

# Category B-G-1

# Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
B-G-1 B6.10 1	H-03817 II-RV-001RVNUT(1-19) RC-1005	ISI / VT	1-ISI-RV-1 Reactor Vessel Nuts		s		
B-G-1 B6.10 1	H-03818 II-RV-001RVNUT(20-38) RC-1005	ISI / VT	1-ISI-RV-1 Reactor Vessel Nuts		s		
B-G-1 B6.10 1	H-03819 II-RV-001RVNUT(39-58) RC-1005	ISI / VT	1-ISI-RV-1 Reactor Vessel Nuts <No Code Case		s		
B-G-1 B6.180 1	H-03180 II-RCP-01RCPA-FBOLT(1-24) RC-2025	ISI / UT	1-ISI-RCP-1 RC Pump "A" Main Flange Bolts			s	Catalog ID, in CAS, list the RCP main flange bolts as 4.25"x31".
B-G-1 B6.180 1	H-03187 II-RCP-01RCPB-FBOLT(1-24) RC-2025		1-ISI-RCP-1 RC Pump "B" Main Flange Bolts				Catalog ID, in CAS, list the RCP main flange bolts as 4.25"x31".
B-G-1 B6.180 1	H-03194 II-RCP-01RCPC-FBOLT(1-24) RC-2025		1-ISI-RCP-1 RC Pump "C" Main Flange Bolts				Catalog ID, in CAS, list the RCP main flange bolts as 4.25"x31".
B-G-1 B6.190 1	H-03181 II-RCP-01RCPA-FTHR(1-24) RC-2025	ISI / VT	1-ISI-RCP-1 RC Pump "A" Main Flange	b	b	b	Required only if disassembled.
B-G-1 B6.190 1	H-03188 II-RCP-01RCPB-FTHR(1-24) RC-2025	ISI / VT	1-ISI-RCP-1 RC Pump "B" Main Flange	b	b	b	Required only if disassembled.
B-G-1 B6.190 1	H-03195 II-RCP-01RCPC-FTHR(1-24) RC-2025	ISI / VT	1-ISI-RCP-1 RC Pump "C" Main Flange	b	b	b	Required only if disassembled.
B-G-1 B6.20 1	H-03820 II-RV-001RVSTUD(1-19) RC-1005	ISI / UT	1-ISI-RV-1 Reactor Vessel Stud		s		material, size_length and thichness_dia were validated per reactor vessel manual, VH-OJQ
B-G-1 B6.20 1	H-03821 II-RV-001RVSTUD(20-38) RC-1005	ISI / UT	1-ISI-RV-1 Reactor Vessel Stud		s		material, size_length and thichness_dia were validated per reactor vessel manual, VH-OJQ

## Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
B-G-1 B6.20 1	H-03822 II-RV-001RVSTUD(39-58) RC-1005	ISI / UT	1-ISI-RV-1 Reactor Vessel Stud	s			material, size_length and thichness_dia were validated per reactor vessel manual, VH-OJQ
B-G-1 B6.40 1	H-03799 II-RV-001RVFT(1-19) RC-1005	ISI / UT	1-ISI-RV-1 Reactor Vessel Threads in Flange		s		material, size_length and thichness_dia were validated per reactor vessel manual, VH-OJQ
B-G-1 B6.40 1	H-03801 II-RV-001RVFT(20-38) RC-1005	ISI / UT	1-ISI-RV-1 Reactor Vessel Threads in Flange			s	material, size_length and thichness_dia were validated per reactor vessel manual, VH-OJQ
B-G-1 B6.40 1	H-03802 II-RV-001RVFT(39-58) RC-1005	ISI / UT	1-ISI-RV-1 Reactor Vessel Threads in Flange			s	material, size_length and thichness_dia were validated per reactor vessel manual, VH-OJQ
B-G-1 B6.50 1	H-03823 II-RV-001RVWSH(1-19) RC-1005	ISI / VT	1-ISI-RV-1 Reactor Vessel Washers		s		
B-G-1 B6.50 1	H-03824 II-RV-001RVWSH(20-38) RC-1005	ISI / VT	1-ISI-RV-1 Reactor Vessel Washers		s		
B-G-1 B6.50 1	H-03825 II-RV-001RVWSH(39-58) RC-1005	ISI / VT	1-ISI-RV-1 Reactor Vessel Washers		s		



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4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	

# Category B-G-2

## Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
		ISI / VT					
<b>B-G-2</b> B7.10 1	H-03739 II-RV-001BCONO-A(3) RC-1005		1-ISI-RV-A600 #47 Conoseal Bolting	b	b	b	Core Exit Thermocouple Nozzle Assembly (CETNA #47). Perform VT-1 on 3 bolts/nuts in Clamp Assembly (Attachment 25), shown in Procedure CM-M0279. For location of CETNA #47, see Core Exit Thermocouple Nozzle Disassembly and Reassembly Procedure CM-M0279, Attachment 29. Examination only required if flange is disassembled or bolting is removed. Unable to determine bolting size on any vendor drawing for 4th Interval update.
		ISI / VT					
<b>B-G-2</b> B7.10 1	H-03740 II-RV-001BCONO-B(3) RC-1005		1-ISI-RV-A600 #49 Conoseal Bolting	b	b	b	Core Exit Thermocouple Nozzle Assembly (CETNA #49). Perform VT-1 on 3 bolts/nuts in Clamp Assembly (Attachment 25), shown in Procedure CM-M0279. For location of CETNA #49, see Core Exit Thermocouple Nozzle Disassembly and Reassembly Procedure CM-M0279, Attachment 29. Examination only required if flange is disassembled or bolting is removed. Unable to determine bolting size on any vendor drawing for 4th Interval update.
		ISI / VT					
<b>B-G-2</b> B7.10 1	H-03741 II-RV-001BCONO-C(3) RC-1005		1-ISI-RV-A600 #51 Conoseal Bolting	b	b	b	Core Exit Thermocouple Nozzle Assembly (CETNA #51). Perform VT-1 on 3 bolts/nuts in Clamp Assembly (Attachment 25), shown in Procedure CM-M0279. For location of CETNA #53, see Core Exit Thermocouple Nozzle Disassembly and Reassembly Procedure CM-M0279, Attachment 29. Examination only required if flange is disassembled or bolting is removed. Unable to determine bolting size on any vendor drawing for 4th Interval update.
		ISI / VT					
<b>B-G-2</b> B7.10 1	H-03742 II-RV-001BCONO-D(3) RC-1005		1-ISI-RV-A600 #53 Conoseal Bolting	b	b	b	Core Exit Thermocouple Nozzle Assembly (CETNA #53). Perform VT-1 on 3 bolts/nuts in Clamp Assembly (Attachment 25), shown in Procedure CM-M0279. For location of CETNA #53, see Core Exit Thermocouple Nozzle Disassembly and Reassembly Procedure CM-M0279, Attachment 29. Examination only required if flange is disassembled or bolting is removed. Unable to determine bolting size on any vendor drawing for 4th Interval update.

## Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
B-G-2 B7.20 1	H-02981 II-PZR-01MN(1-16) RC-2050	ISI / VT	1-ISI-PZR-1 Pressurizer Manway Nuts	b	b	b	Pressurizer Manway Bolting (16 Nuts). VT-1 Exam required only if connection is disassembled or if bolting is removed.
B-G-2 B7.20 1	H-02982 II-PZR-01MS(1-16) RC-2050	ISI / VT	1-ISI-PZR-1 Pressurizer Manway Studs	b	b	b	Pressurizer Manway Bolting (16 Studs = 1.875 Dia / 15.54 Length). VT-1 Exam required only if connection is disassembled or if bolting is removed.
B-G-2 B7.30 1	H-03829 II-SG-001SGA-CLMN(1-16) RC-3005	ISI / VT	1-ISI-SG-1 Steam Generator "A" Cold Leg Manway Nuts	b	b	b	Steam Generator "A" Cold Leg Primary Manway Bolting (16 Nuts). Only one VT-1 Exam required on one Cold Leg and one Hot Leg Bolted Connection for the 4th Interval. Examination required only if connection is disassembled or bolting is removed.
B-G-2 B7.30 1	H-03830 II-SG-001SGA-CLMS(1-16) RC-3005	ISI / VT	1-ISI-SG-1 Steam Generator "A" Cold Leg Manway Studs	b	b	b	Steam Generator "A" Cold Leg Primary Manway Bolting (16 Studs - 1.875 Dia. / 18.11 Length). Only one VT-1 Exam required on one Cold Leg and one Hot Leg Bolted Connection for the 4th Interval. Examination required only if connection is disassembled or bolting is removed.
B-G-2 B7.30 1	H-03844 II-SG-001SGA-HLMN(1-16) RC-3005	ISI / VT	1-ISI-SG-1 Steam Generator "A" Hot Leg Manway Nuts	b	b	b	Steam Generator "A" Hot Leg Primary Manway Bolting (16 Nuts - 1.875 Dia.). Only one VT-1 Exam required on one Cold Leg and one Hot Leg Bolted Connection for the 4th Interval. Examination required only if connection is disassembled or bolting is removed.
B-G-2 B7.30 1	H-03845 II-SG-001SGA-HLMS(1-16) RC-3005	ISI / VT	1-ISI-SG-1 Steam Generator "A" Hot Leg Manway Studs	b	b	b	Steam Generator "A" Hot Leg Primary Manway Bolting (16 Studs - 1.875 Dia. / 18.11 Length). Only one VT-1 Exam required on one Cold Leg and one Hot Leg Bolted Connection for the 4th Interval. Examination required only if connection is disassembled or bolting is removed.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
		ISI / VT					
<b>B-G-2</b>	H-03852		1-ISI-SG-2	b	b	b	Steam Generator "B" Cold Leg Primary Manway Bolting (16 Nuts - 1.875 Dia.). Only one VT-1 Exam required on one Cold Leg and one Hot Leg Bolted Connection for the 4th Interval. Examination required only if connection is disassembled or bolting is removed.
B7.30 1	II-SG-001SGB-CLMN(1-16) RC-3005		Steam Generator "B" Cold Leg Manway Nuts				
		ISI / VT					
<b>B-G-2</b>	H-03853		1-ISI-SG-2	b	b	b	Steam Generator "B" Cold Leg Primary Manway Bolting (16 Studs - 1.875 Dia. / 18.11 Length). Only one VT-1 Exam required on one Cold Leg and one Hot Leg Bolted Connection for the 4th Interval. Examination required only if connection is disassembled or bolting is removed.
B7.30 1	II-SG-001SGB-CLMS(1-16) RC-3005		Steam Generator "B" Cold Leg Manway Studs				
		ISI / VT					
<b>B-G-2</b>	H-03867		1-ISI-SG-2	b	b	b	Steam Generator "B" Hot Leg Primary Manway Bolting (16 Nuts - 1.875 Dia.). Only one VT-1 Exam required on one Cold Leg and one Hot Leg Bolted Connection for the 4th Interval. Examination required only if connection is disassembled or bolting is removed.
B7.30 1	II-SG-001SGB-HLMN(1-16) RC-3005		Steam Generator "B" Hot Leg Manway Nuts				
		ISI / VT					
<b>B-G-2</b>	H-03868		1-ISI-SG-2	b	b	b	Steam Generator "B" Hot Leg Primary Manway Bolting (16 Studs - 1.875 Dia. / 18.11 Length). Only one VT-1 Exam required on one Cold Leg and one Hot Leg Bolted Connection for the 4th Interval. Examination required only if connection is disassembled or bolting is removed.
B7.30 1	II-SG-001SGB-HLMS(1-16) RC-3005		Steam Generator "B" Hot Leg Manway Studs				
		ISI / VT					
<b>B-G-2</b>	H-03875		1-ISI-SG-3	b	b	b	Steam Generator "C" Cold Leg Primary Manway Bolting (16 Nuts - 1.875 Dia.). Only one VT-1 Exam required on one Cold Leg and one Hot Leg Bolted Connection for the 4th Interval. Examination required only if connection is disassembled or bolting is removed.
B7.30 1	II-SG-001SGC-CLMN(1-16) RC-3005		Steam Generator "C" Cold Leg Manway Nuts				

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
		ISI / VT					
<b>B-G-2</b>	H-03876		1-ISI-SG-3	b	b	b	Steam Generator "C" Cold Leg Primary Manway Bolting (16 Studs - 1.875 Dia. / 18.11 Length). Only one VT-1 Exam required on one Cold Leg and one Hot Leg Bolted Connection for the 4th Interval. Examination required only if connection is disassembled or bolting is removed.
B7.30 1	II-SG-001SGC-CLMS(1-16) RC-3005		Steam Generator "C" Cold Leg Manway Studs				
		ISI / VT					
<b>B-G-2</b>	H-03890		1-ISI-SG-3	b	b	b	Steam Generator "C" Hot Leg Primary Manway Bolting (16 Nuts - 1.875 Dia.). Only one VT-1 Exam required on one Cold Leg and one Hot Leg Bolted Connection for the 4th Interval. Examination required only if connection is disassembled or bolting is removed.
B7.30 1	II-SG-001SGC-HLMN(1-16) RC-3005		Steam Generator "C" Hot Leg Manway Nuts				
		ISI / VT					
<b>B-G-2</b>	H-03891		1-ISI-SG-3	b	b	b	Steam Generator "C" Hot Leg Primary Manway Bolting (16 Studs - 1.875 Dia. / 18.11 Length). Only one VT-1 Exam required on one Cold Leg and one Hot Leg Bolted Connection for the 4th Interval. Examination required only if connection is disassembled or bolting is removed.
B7.30 1	II-SG-001SGC-HLMS(1-16) RC-3005		Steam Generator "C" Hot Leg Manway Studs				
		ISI / VT					
<b>B-G-2</b>	H-01742		1-ISI-CS-88	b	b	b	CS Piping Flanges (1 1/2" / 1500# Flange). Examine All Bolting Material (1" Studs and Nuts). Examine one of the following flanges in Group 1: 545-F-01, 492-F-01, 593-F-01. VT-1 Examination only required if connection is disassembled or bolting is removed. Only one exam required in 4th interval for this group.
B7.50 1	II-CS-088CS-545-F-01 (4) CS-2060		Flange Stud Connection				
		ISI / VT					
<b>B-G-2</b>	H-01817		1-ISI-CS-103	b	b	b	CS Piping Flanges (1 1/2" / 1500# Flange). Examine All Bolting Material (1" Studs and Nuts). Examine one of the following flanges in Group 1: 545-F-01, 492-F-01, 593-F-01. VT-1 Examination only required if connection is disassembled or bolting is removed. Only one exam required in 4th interval for this group.
B7.50 1	II-CS-103CS-492-F-01 (4) CS-2060		Flange Stud Connection				

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
		ISI / VT					
<b>B-G-2</b> B7.50 1	H-01845 II-CS-107CS-593-F-01 (4) CS-2060		1-ISI-CS-107 Flange Stud Connection	b	b	b	CS Piping Flanges (1 1/2" / 1500# Flange). Examine All Bolting Material (1" Studs and Nuts). Examine one of the following flanges in Group 1: 545-F-01, 492-F-01, 593-F-01. VT-1 Examination only required if connection is disassembled or bolting is removed. Only one exam required in 4th interval for this group.
		ISI / VT					
<b>B-G-2</b> B7.50 1	H-03136 II-RC-027RC-113-F-01(1-12) RC-2005		1-ISI-RC-27 Flange Stud Connection	b	b	b	RC Piping Flanges (6" / 1500# Flange). Examine All Bolting Material (1 3/8" Studs and Nuts). Inspect one of the following flanges in Group 2: 113-F-01, 114-F-01, 115-F-01. Examination only required if flange is disassembled or bolting is removed. Only one exam required in 4th interval for this group.
		ISI / VT					
<b>B-G-2</b> B7.50 1	H-03137 II-RC-027RC-114-F-01(1-12) RC-2005		1-ISI-RC-27 Flange Stud Connection	b	b	b	RC Piping Flanges (6" / 1500# Flange). Examine All Bolting Material (1 3/8" Studs and Nuts). Inspect one of the following flanges in Group 2: 113-F-01, 114-F-01, 115-F-01. Examination only required if flange is disassembled or bolting is removed. Only one exam required in 4th interval for this group.
		ISI / VT					
<b>B-G-2</b> B7.50 1	H-03138 II-RC-027RC-115-F-01(1-12) RC-2005		1-ISI-RC-27 Flange Stud Connection	b	b	b	RC Piping Flanges (6" / 1500# Flange). Examine All Bolting Material (1 3/8" Studs and Nuts). Inspect one of the following flanges in Group 2: 113-F-01, 114-F-01, 115-F-01. Examination only required if flange is disassembled or bolting is removed. Only one exam required in 4th interval for this group.
		ISI / VT					
<b>B-G-2</b> B7.60 1	H-03178 II-RCP-01RCPA-CSBOLT(1-8) RC-2025		1-ISI-RCP-1 Reactor Coolant Pump "A" Upper Seal Housing Bolting	b	b	b	Reactor Coolant Pump "A" Upper Seal Housing Bolting (Item #65). VT-1 exam required on all Bolting Material (8 - 1.5" Bolts / 8" Lg.). Examination only required if connection is disassembled or bolting is removed. Only one exam on one Upper Seal Housing RCP required in 4th interval. Reference Attachment 3 of Procedure CM-M0060 for item #65 location of bolting shown on vendor drawing. Exam required only on pumps selected per B-L-2.

# Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
		ISI / VT					
<b>B-G-2</b>	H-03183		1-ISI-RCP-1 Reactor Coolant Pump "A" Lower Seal Housing Bolting	b	b	b	Reactor Coolant Pump "A" Lower Seal Housing Bolting (Item #15). VT-1 exam required on all Bolting Material (12 - 2" Bolts / 8" Lg.). Examination only required if connection is disassembled or bolting is removed. Only one exam on one RCP required in 4th interval. Reference Attachment 3 of Procedure CM-M0060 for item #15 location of bolting shown on vendor drawing. Exam required only on pumps selected per B-L-2.
B7.60 1	II-RCP-01RCPA-SBOLT(1-12) RC-2025						
		ISI / VT					
<b>B-G-2</b>	H-03185		1-ISI-RCP-1 Reactor Coolant Pump "B" Upper Seal Housing Bolting	b	b	b	Reactor Coolant Pump "B" Upper Seal Housing Bolting (Item #65). VT-1 exam required on all Bolting Material (8 - 1.5" Bolts / 8" Lg.). Examination only required if connection is disassembled or bolting is removed. Only one exam on one Upper Seal Housing RCP required in 4th interval. Reference Attachment 3 of Procedure CM-M0060 for item #65 location of bolting shown on vendor drawing. Exam required only on pumps selected per B-L-2.
B7.60 1	II-RCP-01RCPB-CSBOLT(1-8) RC-2025						
		ISI / VT					
<b>B-G-2</b>	H-03190		1-ISI-RCP-1 Reactor Coolant Pump "B" Lower Seal Housing Bolting	b	b	b	Reactor Coolant Pump "B" Lower Seal Housing Bolting (Item #15). VT-1 exam required on all Bolting Material (12 - 2" Bolts / 8" Lg.). Examination only required if connection is disassembled or bolting is removed. Only one exam on one RCP required in 4th interval. Reference Attachment 3 of Procedure CM-M0060 for item #15 location of bolting shown on vendor drawing. Exam required only on pumps selected per B-L-2.
B7.60 1	II-RCP-01RCPB-SBOLT(1-12) RC-2025						
		ISI / VT					
<b>B-G-2</b>	H-03192		1-ISI-RCP-1 Reactor Coolant Pump "C" Upper Seal Housing Bolting	b	b	b	Reactor Coolant Pump "C" Upper Seal Housing Bolting (Item #65). VT-1 exam required on all Bolting Material (8 - 1.5" Bolts / 8" Lg.). Examination only required if connection is disassembled or bolting is removed. Only one exam on one Upper Seal Housing RCP required in 4th interval. Reference Attachment 3 of Procedure CM-M0060 for item #65 location of bolting shown on vendor drawing. Exam required only on pumps selected per B-L-2.
B7.60 1	II-RCP-01RCPC-CSBOLT(1-8) RC-2025						

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
		ISI / VT					
<b>B-G-2</b>	H-03197		1-ISI-RCP-1 Reactor Coolant Pump "C" Lower Seal Housing Bolting	b	b	b	Reactor Coolant Pump "C" Lower Seal Housing Bolting (Item #15). VT-1 exam required on all Bolting Material (12 - 2" Bolts / 8" Lg.). Examination only required if connection is disassembled or bolting is removed. Only one exam on one RCP required in 4th interval. Reference Attachment 3 of Procedure CM-M0060 for item #15 location of bolting shown on vendor drawing. Exam required only on pumps selected per B-L-2.
B7.60 1	II-RCP-01RCPC-SBOLT(1-12) RC-2025						
		ISI / VT					
<b>B-G-2</b>	H-03139		1-ISI-RC-27 Valve 1RC-123 Bolting	b	b	b	Crosby 6" Relief Valve Bonnet Bolting (1.000" / 8 Studs and 8 Nuts). Inspect bolting on one of the following valves in Group 1: 1RC-123. 1RC-125, 1RC-127. VT-1 Examination only required if connection is disassembled or bolting is removed. Only one bolting exam is required in 4th Interval for this valve group. Exam required only on valves selected per B-M-2.
B7.70 1	II-RC-027RC-123 VBB(1-8) RC-2005						
		ISI / VT					
<b>B-G-2</b>	H-03140		1-ISI-RC-27 Valve 1RC-125 Bolting	b	b	b	Crosby 6" Relief Valve Bonnet Bolting (1.000" / 8 Studs and 8 Nuts). Inspect bolting on one of the following valves in Group 1: 1RC-123. 1RC-125, 1RC-127. VT-1 Examination only required if connection is disassembled or bolting is removed. Only one bolting exam is required in 4th Interval for this valve group. Exam required only on valves selected per B-M-2.
B7.70 1	II-RC-027RC-125 VBB(1-8) RC-2005						
		ISI / VT					
<b>B-G-2</b>	H-03141		1-ISI-RC-27 Valve 1RC-127 Bolting	b	b	b	Crosby 6" Relief Valve Bonnet Bolting (1.000" / 8 Studs and 8 Nuts). VT-1 Exam required on bolting on one of the following valves in Group 1: 1RC-123. 1RC-125, 1RC-127. Examination only required if connection is disassembled or bolting is removed. Only one bolting exam is required in 4th Interval for this valve group. Exam required only on valves selected per B-M-2.
B7.70 1	II-RC-027RC-127 VBB(1-8) RC-2005						



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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
		ISI / VT					
<b>B-G-2</b> B7.70 1	H-03660 II-RH-009RH-39 VBB(1-18) RH-2085		1-ISI-RH-9 S01 Valve 1RH-39 Bolting	b	b	b	Westinghouse 12" Gate Valve Bonnet Bolting (1.625" / 18 Studs and 18 Nuts). VT-1 Exam required on bolting on one of the following valves in Group 2: 1RH-1, 1RH-2, 1RH-39, 1RH-40. Examination only required if connection is disassembled or bolting is removed. Only one bolting exam is required in 4th Interval for this valve group. Exam required only on valves selected per B-M-2.
		ISI / VT					
<b>B-G-2</b> B7.70 1	H-03661 II-RH-009RH-40 VBB(1-18) RH-2085		1-ISI-RH-9 S02 Valve 1RH-40 Bolting	b	b	b	Westinghouse 12" Gate Valve Bonnet Bolting (1.625" / 18 Studs and 18 Nuts). VT-1 Exam required on bolting on one of the following valves in Group 2: 1RH-1, 1RH-2, 1RH-39, 1RH-40. Examination only required if connection is disassembled or bolting is removed. Only one bolting exam is required in 4th Interval for this valve group. Exam required only on valves selected per B-M-2.
		ISI / VT					
<b>B-G-2</b> B7.70 1	H-03689 II-RH-010RH-1 VBB(1-18) RH-2085		1-ISI-RH-10 S01 Valve 1RH-1 Bolting	b	b	b	Westinghouse 12" Gate Valve Bonnet Bolting (1.625" / 18 Studs and 18 Nuts). VT-1 Exam required on bolting on one of the following valves in Group 2: 1RH-1, 1RH-2, 1RH-39, 1RH-40. Examination only required if connection is disassembled or bolting is removed. Only one bolting exam is required in 4th Interval for this valve group. Exam required only on valves selected per B-M-2.
		ISI / VT					
<b>B-G-2</b> B7.70 1	H-03690 II-RH-010RH-2 VBB(1-18) RH-2085		1-ISI-RH-10 S02 Valve 1RH-2 Bolting	b	b	b	Westinghouse 12" Gate Valve Bonnet Bolting (1.625" / 18 Studs and 18 Nuts). VT-1 Exam required on bolting on one of the following valves in Group 2: 1RH-1, 1RH-2, 1RH-39, 1RH-40. Examination only required if connection is disassembled or bolting is removed. Only one bolting exam is required in 4th Interval for this valve group. Exam required only on valves selected per B-M-2.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
		ISI / VT					
<b>B-G-2</b> B7.70 1	H-04302 II-SI-017SI-138 VBB(1-16) SI-2080		1-ISI-SI-17 S02 Valve 1SI-138 Bolting	b	b	b	Westinghouse 6" Swing Check Valve Bonnet Bolting (1.000" / 16 Studs and 16 Nuts). VT-1 Exam required on bolting on one of the following valves in Group 3: 1SI-81, 1SI-82, 1SI-83, 1SI-134, 1SI-135, 1SI-136, 1SI-137, 1SI-138, 1SI-356, 1SI-357, 1SI-358. Examination only required if connection is disassembled or bolting is removed. Only one bolting exam is required in 4th Interval for this valve group. Exam required only on valves selected per B-M-2.
		ISI / VT					
<b>B-G-2</b> B7.70 1	H-04472 II-SI-021SI-249 VBB(1-18) SI-2080		1-ISI-SI-21 Valve 1SI-249 Bolting	b	b	b	Westinghouse 12" Swing Check Valve Bonnet Bolting (1.625" / 18 Studs and 18 Nuts). VT-1 Exam required on bolting on one of the following valves in Group 4: 1SI-249, 1SI-250, 1SI-251, 1SI-252, 1SI-253, 1SI-254. Examination only required if connection is disassembled or bolting is removed. Only one bolting exam is required in 4th Interval for this valve group. Exam required only on valves selected per B-M-2.
		ISI / VT					
<b>B-G-2</b> B7.70 1	H-04473 II-SI-021SI-250 VBB(1-18) SI-2080		1-ISI-SI-21 Valve 1SI-250 Bolting	b	b	b	Westinghouse 12" Swing Check Valve Bonnet Bolting (1.625" / 18 Studs and 18 Nuts). VT-1 Exam required on bolting on one of the following valves in Group 4: 1SI-249, 1SI-250, 1SI-251, 1SI-252, 1SI-253, 1SI-254. Examination only required if connection is disassembled or bolting is removed. Only one bolting exam is required in 4th Interval for this valve group. Exam required only on valves selected per B-M-2.
		ISI / VT					
<b>B-G-2</b> B7.70 1	H-04504 II-SI-022SI-251 VBB(1-18) SI-2080		1-ISI-SI-22 Valve 1SI-251 Bolting	b	b	b	Westinghouse 12" Swing Check Valve Bonnet Bolting (1.625" / 18 Studs and 18 Nuts). VT-1 Exam required on bolting on one of the following valves in Group 4: 1SI-249, 1SI-250, 1SI-251, 1SI-252, 1SI-253, 1SI-254. Examination only required if connection is disassembled or bolting is removed. Only one bolting exam is required in 4th Interval for this valve group. Exam required only on valves selected per B-M-2.

# Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
		ISI / VT					Westinghouse 12" Swing Check Valve Bonnet Bolting (1.625" / 18 Studs and 18 Nuts). VT-1 Exam required on bolting on one of the following valves in Group 4: 1SI-249, 1SI-250, 1SI-251, 1SI-252, 1SI-253, 1SI-254. Examination only required if connection is disassembled or bolting is removed. Only one bolting exam is required in 4th Interval for this valve group.
<b>B-G-2</b> B7.70 1	H-04505 II-SI-022SI-252 VBB(1-18) SI-2080		1-ISI-SI-22 Valve 1SI-252 Bolting	b	b	b	Exam required only on valves selected per B-M-2.
		ISI / VT					Westinghouse 12" Swing Check Valve Bonnet Bolting (1.625" / 18 Studs and 18 Nuts). VT-1 Exam required on bolting on one of the following valves in Group 4: 1SI-249, 1SI-250, 1SI-251, 1SI-252, 1SI-253, 1SI-254. Examination only required if connection is disassembled or bolting is removed. Only one bolting exam is required in 4th Interval for this valve group.
<b>B-G-2</b> B7.70 1	H-04537 II-SI-023SI-253 VBB(1-18) SI-2080		1-ISI-SI-23 Valve 1SI-253 Bolting	b	b	b	Exam required only on valves selected per B-M-2.
		ISI / VT					Westinghouse 12" Swing Check Valve Bonnet Bolting (1.625" / 18 Studs and 18 Nuts). VT-1 Exam required on bolting on one of the following valves in Group 4: 1SI-249, 1SI-250, 1SI-251, 1SI-252, 1SI-253, 1SI-254. Examination only required if connection is disassembled or bolting is removed. Only one bolting exam is required in 4th Interval for this valve group.
<b>B-G-2</b> B7.70 1	H-04538 II-SI-023SI-254 VBB(1-18) SI-2080		1-ISI-SI-23 Valve 1SI-254 Bolting	b	b	b	Exam required only on valves selected per B-M-2.
		ISI / VT					Westinghouse 6" Swing Check Valve Bonnet Bolting (1.000" / 16 Studs and 16 Nuts). VT-1 Exam required on bolting on one of the following valves in Group 3: 1SI-81, 1SI-82, 1SI-83, 1SI-134, 1SI-135, 1SI-136, 1SI-137, 1SI-138, 1SI-356, 1SI-357, 1SI-358. Examination only required if connection is disassembled or bolting is removed. Only one bolting exam is required in 4th Interval for this valve group.
<b>B-G-2</b> B7.70 1	H-04567 II-SI-024SI-356 VBB(1-16) SI-2080		1-ISI-SI-24 S02 Valve 1SI-356 Bolting	b	b	b	Exam required only on valves selected per B-M-2.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
		ISI / VT					
<b>B-G-2</b> B7.70 1	H-04568 II-SI-024SI-81 VBB(1-16) SI-2080		1-ISI-SI-24 S02 Valve 1SI-81 Bolting	b	b	b	Westinghouse 6" Swing Check Valve Bonnet Bolting (1.000" / 16 Studs and 16 Nuts). VT-1 Exam required on bolting on one of the following valves in Group 3: 1SI-81, 1SI-82, 1SI-83, 1SI-134, 1SI-135, 1SI-136, 1SI-137, 1SI-138, 1SI-356, 1SI-357, 1SI-358. Examination only required if connection is disassembled or bolting is removed. Only one bolting exam is required in 4th Interval for this valve group. Exam required only on valves selected per B-M-2.
		ISI / VT					
<b>B-G-2</b> B7.70 1	H-04600 II-SI-025SI-357 VBB(1-16) SI-2080		1-ISI-SI-25 S02 Valve 1SI-357 Bolting	b	b	b	Westinghouse 6" Swing Check Valve Bonnet Bolting (1.000" / 16 Studs and 16 Nuts). VT-1 Exam required on bolting on one of the following valves in Group 3: 1SI-81, 1SI-82, 1SI-83, 1SI-134, 1SI-135, 1SI-136, 1SI-137, 1SI-138, 1SI-356, 1SI-357, 1SI-358. Examination only required if connection is disassembled or bolting is removed. Only one bolting exam is required in 4th Interval for this valve group. Exam required only on valves selected per B-M-2.
		ISI / VT					
<b>B-G-2</b> B7.70 1	H-04601 II-SI-025SI-82 VBB(1-16) SI-2080		1-ISI-SI-25 S02 Valve 1SI-82 Bolting	b	b	b	Westinghouse 6" Swing Check Valve Bonnet Bolting (1.000" / 16 Studs and 16 Nuts). VT-1 Exam required on bolting on one of the following valves in Group 3: 1SI-81, 1SI-82, 1SI-83, 1SI-134, 1SI-135, 1SI-136, 1SI-137, 1SI-138, 1SI-356, 1SI-357, 1SI-358. Examination only required if connection is disassembled or bolting is removed. Only one bolting exam is required in 4th Interval for this valve group. Exam required only on valves selected per B-M-2.
		ISI / VT					
<b>B-G-2</b> B7.70 1	H-04656 II-SI-026SI-358 VBB(1-16) SI-2080		1-ISI-SI-26 S02 Valve 1SI-358 Bolting	b	b	b	Westinghouse 6" Swing Check Valve Bonnet Bolting (1.000" / 16 Studs and 16 Nuts). VT-1 Exam required on bolting on one of the following valves in Group 3: 1SI-81, 1SI-82, 1SI-83, 1SI-134, 1SI-135, 1SI-136, 1SI-137, 1SI-138, 1SI-356, 1SI-357, 1SI-358. Examination only required if connection is disassembled or bolting is removed. Only one bolting exam is required in 4th Interval for this valve group. Exam required only on valves selected per B-M-2.

## Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
		ISI / VT					
<b>B-G-2</b> B7.70 1	H-04657 II-SI-026SI-83 VBB(1-16) SI-2080		1-ISI-SI-26 S02 Valve 1SI-83 Bolting	b	b	b	Westinghouse 6" Swing Check Valve Bonnet Bolting (1.000" / 16 Studs and 16 Nuts). VT-1 Exam required on bolting on one of the following valves in Group 3: 1SI-81, 1SI-82, 1SI-83, 1SI-134, 1SI-135, 1SI-136, 1SI-137, 1SI-138, 1SI-356, 1SI-357, 1SI-358. Examination only required if connection is disassembled or bolting is removed. Only one bolting exam is required in 4th Interval for this valve group. Exam required only on valves selected per B-M-2.
		ISI / VT					
<b>B-G-2</b> B7.70 1	H-04701 II-SI-027SI-135 VBB(1-16) SI-2080		1-ISI-SI-27 S02 Valve 1SI-135 Bolting	b	b	b	Westinghouse 6" Swing Check Valve Bonnet Bolting (1.000" / 16 Studs and 16 Nuts). VT-1 Exam required on bolting on one of the following valves in Group 3: 1SI-81, 1SI-82, 1SI-83, 1SI-134, 1SI-135, 1SI-136, 1SI-137, 1SI-138, 1SI-356, 1SI-357, 1SI-358. Examination only required if connection is disassembled or bolting is removed. Only one bolting exam is required in 4th Interval for this valve group. Exam required only on valves selected per B-M-2.
		ISI / VT					
<b>B-G-2</b> B7.70 1	H-04702 II-SI-027SI-137 VBB(1-16) SI-2080		1-ISI-SI-27 S02 Valve 1SI-137 Bolting	b	b	b	Westinghouse 6" Swing Check Valve Bonnet Bolting (1.000" / 16 Studs and 16 Nuts). VT-1 Exam required on bolting on one of the following valves in Group 3: 1SI-81, 1SI-82, 1SI-83, 1SI-134, 1SI-135, 1SI-136, 1SI-137, 1SI-138, 1SI-356, 1SI-357, 1SI-358. Examination only required if connection is disassembled or bolting is removed. Only one bolting exam is required in 4th Interval for this valve group. Exam required only on valves selected per B-M-2.
		ISI / VT					
<b>B-G-2</b> B7.70 1	H-04755 II-SI-028SI-134 VBB(1-16) SI-2080		1-ISI-SI-28 S01 Valve 1SI-134 Bolting	b	b	b	Westinghouse 6" Swing Check Valve Bonnet Bolting (1.000" / 16 Studs and 16 Nuts). VT-1 Exam required on bolting on one of the following valves in Group 3: 1SI-81, 1SI-82, 1SI-83, 1SI-134, 1SI-135, 1SI-136, 1SI-137, 1SI-138, 1SI-356, 1SI-357, 1SI-358. Examination only required if connection is disassembled or bolting is removed. Only one bolting exam is required in 4th Interval for this valve group. Exam required only on valves selected per B-M-2.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
		ISI / VT					
<b>B-G-2</b> B7.70 1	H-04756 II-SI-028SI-136 VBB(1-16) SI-2080		1-ISI-SI-28 S02 Valve 1SI-136 Bolting	b	b	b	Westinghouse 6" Swing Check Valve Bonnet Bolting (1.000" / 16 Studs and 16 Nuts). VT-1 Exam required on bolting on one of the following valves in Group 3: 1SI-81, 1SI-82, 1SI-83, 1SI-134, 1SI-135, 1SI-136, 1SI-137, 1SI-138, 1SI-356, 1SI-357, 1SI-358. Examination only required if connection is disassembled or bolting is removed. Only one bolting exam is required in 4th Interval for this valve group. Exam required only on valves selected per B-M-2.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	

# Category B-K

## Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
B-K B10.10 1	H-02973 II-PZR-011,LUG-A5 RC-2050		1-ISI-PZR-1 Pressurizer Vessel Lug	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Seismic lug at midsection.
B-K B10.10 1	H-02974 II-PZR-011,LUG-A6 RC-2050		1-ISI-PZR-1 Pressurizer Vessel Lug	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Seismic lug at midsection.
B-K B10.10 1	H-02975 II-PZR-011,LUG-A7 RC-2050		1-ISI-PZR-1 Pressurizer Vessel Lug	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Seismic lug at midsection.
B-K B10.10 1	H-02976 II-PZR-011,LUG-A8 RC-2050		1-ISI-PZR-1 Pressurizer Vessel Lug	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Seismic lug at midsection.
B-K B10.10 1	H-02977 II-PZR-011,PSC-21 RC-2050	ISI / MT	1-ISI-PZR-1 Pressurizer Support Skirt Weld	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Examine in accordance with Table IWB-2500-1, Examination Category B-K, Note 7.
B-K B10.20 1	H-03112 RC-H-0075-ATT RC-2005	ISI / PT	1-ISI-RC-24 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	s
B-K B10.20 1	H-04670 SI-H-0149-ATT SI-2080		1-ISI-SI-26 S02 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
B-K B10.20 1	H-04996 RC-H-0040-ATT RC-2005		1-ISI-RC-23 S02 Welded Attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
B-K B10.20 1	H-05025 RC-H-0230-ATT RC-2005		1-ISI-RC-22 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
B-K B10.20 1	H-05065 RC-H-0486-ATT RC-2005		1-ISI-RC-22 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
B-K B10.20 1	H-05135 RH-H-0141-ATT RH-2085		1-ISI-RH-10 S01 Welded Attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
B-K B10.20 1	H-05137 RH-H-0144-ATT RH-2085		1-ISI-RH-10 S01 Welded Attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
B-K B10.20 1	H-05330 SI-H-0119-ATT SI-2080		1-ISI-SI-21 Welded Attachment				
B-K B10.20 1	H-05340 SI-H-0141-ATT SI-2080		1-ISI-SI-26 S02 Welded Attachments				
B-K B10.20 1	H-05353 SI-H-0169-ATT SI-2080		1-ISI-SI-28 S01 Welded Attachments				
B-K B10.20 1	H-05355 SI-H-0172-ATT SI-2080		1-ISI-SI-28 S02 Welded Attachments				
B-K B10.20 1	H-05358 SI-H-0177-ATT SI-2080		1-ISI-SI-28 S02 Welded Attachments				
B-K B10.20 1	H-05368 SI-H-0230-ATT SI-2080		1-ISI-SI-24 S02 Welded Attachments				1-ISI-SI-24-S02 shows two supports (Category FA's) SI-H-229 (summary number H5367) and SI-H-230 (Summary Number H7233) that use a common welded attachment category B-K (summary number H5368).
B-K B10.20 1	H-05429 SI-H-0960-ATT SI-2080	ISI / PT	1-ISI-SI-24 S02 Welded Attachments		s		
B-K B10.20 1	H-05432 SI-H-0982-ATT SI-2080		1-ISI-SI-25 S02 Welded Attachments				
B-K B10.20 1	H-05435 SI-H-0989-ATT SI-2080		1-ISI-SI-22 Welded Attachment				
B-K B10.20 1	H-10331 RC-H-0246-ATT RC-2005	ISI / PT	1-ISI-RC-22 Welded Attachments			s	

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	

# Category B-L-2

# Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary ComplID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
B-L-2	H-03177	ISI / VT	1-ISI-RCP-1	b	b	b	VT-3 of internal surface required of only one RCP per Interval when disassembled. The pump casing is stainless steel.
B12.20 1	II-RCP-01RCPA-CASINT RC-2025		Reactor Coolant Pump "A" Internal Surface				
B-L-2	H-03184	ISI / VT	1-ISI-RCP-1	b	b	b	VT-3 of internal surface required of only one RCP per Interval when disassembled. The pump casing is stainless steel.
B12.20 1	II-RCP-01RCPB-CASINT RC-2025		Reactor Coolant Pump "B" Internal Surface				
B-L-2	H-03191	ISI / VT	1-ISI-RCP-1	b	b	b	VT-3 of internal surface required of only one RCP per Interval when disassembled. The pump casing is stainless steel.
B12.20 1	II-RCP-01RCPC-CASINT RC-2025		Reactor Coolant Pump "C" Internal Surface				

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	

# Category B-M-2

## Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
B-M-2 B12.50 1	H-03133 II-RC-0271RC-123 INT RC-2005	ISI / VT	1-ISI-RC-27 Valve Body 1RC-123 Internal Surface	b	b	b	VT-3 required only when disassembled. VT Performed by Wyle lab. Group 1, 6in Crosby DS-C-56964, PRV
B-M-2 B12.50 1	H-03134 II-RC-0271RC-125 INT RC-2005	ISI / VT	1-ISI-RC-27 Valve Body 1RC-125 Internal Surface	b	b	b	VT-3 required only when disassembled. . VT Performed by Wyle lab. Group 1, 6in Crosby DS-C-56964, PRV
B-M-2 B12.50 1	H-03135 II-RC-0271RC-127 INT RC-2005	ISI / VT	1-ISI-RC-27 Valve Body 1RC-127 Internal Surface	b	b	b	VT-3 required only when disassembled. . VT Performed by Wyle lab. Group 1, 6in Crosby DS-C-56964, PRV
B-M-2 B12.50 1	H-03652 II-RH-0091RH-39 INT RH-2085	ISI / VT	1-ISI-RH-9 S01 Valve Body 1RH-39 Internal Surface	b	b	b	VT-3 required only when disassembled. Group 2, 12 inch WEC 12-6M88SEH, Gate Valve
B-M-2 B12.50 1	H-03653 II-RH-0091RH-40 INT RH-2085	ISI / VT	1-ISI-RH-9 S02 Valve Body 1RH-40 Internal Surface	b	b	b	VT-3 required only when disassembled. Group 2, 12 inch WEC 12-6M88SEH, Gate Valve
B-M-2 B12.50 1	H-03681 II-RH-0101RH-1 INT RH-2085	ISI / VT	1-ISI-RH-10 S01 Valve Body 1RH-1 Internal Surface	b	b	b	VT-3 required only when disassembled. Group 2, 12 inch WEC 12-6M88SEH, Gate Valve
B-M-2 B12.50 1	H-03682 II-RH-0101RH-2 INT RH-2085	ISI / VT	1-ISI-RH-10 S02 Valve Body 1RH-2 Internal Surface	b	b	b	VT-3 required only when disassembled. Group 2, 12 inch WEC 12-6M88SEH, Gate Valve
B-M-2 B12.50 1	H-04298 II-SI-0171SI-138 INT SI-2080	ISI / VT	1-ISI-SI-17 S02 Valve Body 1SI-138 Internal Surface	b	b	b	VT-3 required only when disassembled. Group 3, 6 inch WEC 6-C88, check valve
B-M-2 B12.50 1	H-04465 II-SI-0211SI-249 INT SI-2080	ISI / VT	1-ISI-SI-21 Valve Body 1SI-249 Internal Surface	b	b	b	VT-3 required only when disassembled. Group 4, 12 inch WEC 12-C88, check valve

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
B-M-2 B12.50 1	H-04466 II-SI-0211SI-250 INT SI-2080	ISI / VT	1-ISI-SI-21 Valve Body 1SI-250 Internal Surface	b	b	b	VT-3 required only when disassembled. Group 4, 12 inch WEC 12-C88, check valve
B-M-2 B12.50 1	H-04497 II-SI-0221SI-251 INT SI-2080	ISI / VT	1-ISI-SI-22 Valve Body 1SI-251 Internal Surface	b	b	b	VT-3 required only when disassembled. Group 4, 12 inch WEC 12-C88, check valve
B-M-2 B12.50 1	H-04498 II-SI-0221SI-252 INT SI-2080	ISI / VT	1-ISI-SI-22 Valve Body 1SI-252 Internal Surface	b	b	b	VT-3 required only when disassembled. Group 4, 12 inch WEC 12-C88, check valve
B-M-2 B12.50 1	H-04529 II-SI-0231SI-253 INT SI-2080	ISI / VT	1-ISI-SI-23 Valve Body 1SI-253 Internal Surface	b	b	b	VT-3 required only when disassembled. Group 4, 12 inch WEC 12-C88, check valve
B-M-2 B12.50 1	H-04530 II-SI-0231SI-254 INT SI-2080	ISI / VT	1-ISI-SI-23 Valve Body 1SI-254 Internal Surface	b	b	b	VT-3 required only when disassembled. Group 4, 12 inch WEC 12-C88, check valve
B-M-2 B12.50 1	H-04561 II-SI-0241SI-356 INT SI-2080	ISI / VT	1-ISI-SI-24 S02 Valve Body 1SI-356 Internal Surface	b	b	b	VT-3 required only when disassembled. Group 3, 6 inch WEC 6-C88, check valve
B-M-2 B12.50 1	H-04562 II-SI-0241SI-81 INT SI-2080	ISI / VT	1-ISI-SI-24 S02 Valve Body 1SI-81 Internal Surface	b	b	b	VT-3 required only when disassembled. Group 3, 6 inch WEC 6-C88, check valve
B-M-2 B12.50 1	H-04594 II-SI-0251SI-357 INT SI-2080	ISI / VT	1-ISI-SI-25 S02 Valve Body 1SI-357 Internal Surface	b	b	b	VT-3 required only when disassembled. Group 3, 6 inch WEC 6-C88, check valve
B-M-2 B12.50 1	H-04595 II-SI-0251SI-82 INT SI-2080	ISI / VT	1-ISI-SI-25 S02 Valve Body 1SI-82 Internal Surface	b	b	b	VT-3 required only when disassembled. Group 3, 6 inch WEC 6-C88, check valve

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
<b>B-M-2</b> B12.50 1	H-04647 II-SI-0261SI-358 INT SI-2080	ISI / VT	1-ISI-SI-26 S02 Valve Body 1SI-358 Internal Surface	b	b	b	VT-3 required only when disassembled. Group 3, 6 inch WEC 6-C88, check valve
<b>B-M-2</b> B12.50 1	H-04648 II-SI-0261SI-83 INT SI-2080	ISI / VT	1-ISI-SI-26 S02 Valve Body 1SI-83 Internal Surface	b	b	b	VT-3 required only when disassembled. Group 3, 6 inch WEC 6-C88, check valve
<b>B-M-2</b> B12.50 1	H-04696 II-SI-0271SI-135 INT SI-2080	ISI / VT	1-ISI-SI-27 S02 Valve Body 1SI-135 Internal Surface	b	b	b	VT-3 required only when disassembled. Group 3, 6 inch WEC 6-C88, check valve
<b>B-M-2</b> B12.50 1	H-04697 II-SI-0271SI-137 INT SI-2080	ISI / VT	1-ISI-SI-27 S02 Valve Body 1SI-137 Internal Surface	b	b	b	VT-3 required only when disassembled. Group 3, 6 inch WEC 6-C88, check valve
<b>B-M-2</b> B12.50 1	H-04748 II-SI-0281SI-134 INT SI-2080	ISI / VT	1-ISI-SI-28 S01 Valve Body 1SI-134 Internal Surface	b	b	b	VT-3 required only when disassembled. Group 3, 6 inch WEC 6-C88, check valve
<b>B-M-2</b> B12.50 1	H-04749 II-SI-0281SI-136 INT SI-2080	ISI / VT	1-ISI-SI-28 S02 Valve Body 1SI-136 Internal Surfaces	b	b	b	VT-3 required only when disassembled. Group 3, 6 inch WEC 6-C88, check valve

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	

# Category B-N-1, B-N-2, B-N-3



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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
		ISI / VT					
<b>B-N-1</b> B13.10 1	H-03775 II-RV-001-INTERIOR RC-1005		1-ISI-RV-1 VESSEL INTERIOR	b	b	s	Reactor Vessel Interior. Areas to be examined shall include the spaces above and below the Reactor Core that are made accessible for examination by removal of Components during Normal Refueling Outages per Note 1 of Table IWB-2500-1. This exam is required once each inspection period in the 4th Interval. This B13.10 exam is aligned with the B13.70 exam in first outage of third period (RFO26) of 4th interval to ensure that surface areas below the reactor core are examined at least once each interval. A checklist will be created per NCR 2018018 that will be used to better define accessible areas during normal refueling outage.
		ISI / VT					
<b>B-N-2</b> B13.60 1	H-03795 II-RV-001RVCS-01 RC-1005		1-ISI-RV-1 Lower Core Support Pad			s	Examine Interior Attachments Beyond the Beltline Region. Four Lower Core Support Keyways located on the Reactor Vessel Lower Shell as shown on reference drawings. A checklist will be created per NCR 2018018 that will be used to identify all attachments beyond beltline region
		ISI / VT					
<b>B-N-2</b> B13.60 1	H-03796 II-RV-001RVCS-02 RC-1005		1-ISI-RV-1 Lower Core Support Pad			s	Examine Interior Attachments Beyond the Beltline Region. Four Lower Core Support Keyways located on the Reactor Vessel Lower Shell as shown on reference drawings. A checklist will be created per NCR 2018018 that will be used to identify all attachments beyond beltline region that require examination.
		ISI / VT					
<b>B-N-2</b> B13.60 1	H-03797 II-RV-001RVCS-03 RC-1005		1-ISI-RV-1 Lower Core Support Pad			s	Examine Interior Attachments Beyond the Beltline Region. Four Lower Core Support Keyways located on the Reactor Vessel Lower Shell as shown on reference drawings. A checklist will be created per NCR 2018018 that will be used to identify all attachments beyond beltline region that require examination.
		ISI / VT					
<b>B-N-2</b> B13.60 1	H-03798 II-RV-001RVCS-04 RC-1005		1-ISI-RV-1 Lower Core Support Pad			s	Examine Interior Attachments Beyond the Beltline Region. Four Lower Core Support Keyways located on the Reactor Vessel Lower Shell as shown on reference drawings. A checklist will be created per NCR 2018018 that will be used to identify all attachments beyond beltline region that require examination.

## Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
		ISI / VT					
<b>B-N-2</b> B13.60 1	H-11135 II-RV-BMI RC-1005		1364-42494 Sht.3 Bottom Mounted Instrumentation			s	Examine the Interior Attachments Beyond the Beltline Region. This is for the 50 Incore Instrumentation Nozzles located on Lower Head. Reference drawing 1364-42494 sht.3 Of 8. A vendor will have to be contracted to perform this inspection. A checklist will be created per NCR 2018018 that will be used to identify all attachments beyond beltline region that require examination.
		ISI / VT					
<b>B-N-3</b> B13.70 1	H-03744 II-RV-001CORE BARREL RC-1005		1-ISI-RV-1 Core Barrel Support Structure			s	Examine Reactor Vessel Core Support Structure. The Structure shall be removed from the Reactor Vessel for examination. A checklist will be created per NCR 2018018 that will be used to identify all items include in the scope of this examination.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	

# Category B-O

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
B-O B14.20 1	H-10736 II-RV-001CRDH-58 RC-1005		1-ISI-RV-1 Welds in CRD Housing				
B-O B14.20 1	H-10737 II-RV-001CRDH-46 RC-1005		1-ISI-RV-1 Welds in CRD Housing				
B-O B14.20 1	H-10738 II-RV-001CRDH-42 RC-1005		1-ISI-RV-1 Welds in CRD Housing				
B-O B14.20 1	H-10739 II-RV-001CRDH-47 RC-1005		1-ISI-RV-1 Welds in CRD Housing				
B-O B14.20 1	H-10740 II-RV-001CRDH-59 RC-1005		1-ISI-RV-1 Welds in CRD Housing				
B-O B14.20 1	H-10741 II-RV-001CRDH-60 RC-1005		1-ISI-RV-1 Welds in CRD Housing				
B-O B14.20 1	H-10742 II-RV-001CRDH-55 RC-1005	ISI / PT ISI / UT	1-ISI-RV-1 Welds in CRD Housing			s	Surface exam or Volumetric exam per Code requirements. If a surface examination is performed, the requirements of Table IWB-2500-1, Examination Category B-O, Note 1 shall be met.
B-O B14.20 1	H-10743 II-RV-001CRDH-48 RC-1005		1-ISI-RV-1 Welds in CRD Housing				
B-O B14.20 1	H-10744 II-RV-001CRDH-43 RC-1005		1-ISI-RV-1 Welds in CRD Housing				
B-O B14.20 1	H-10745 II-RV-001CRDH-49 RC-1005		1-ISI-RV-1 Welds in CRD Housing				
B-O B14.20 1	H-10746 II-RV-001CRDH-61 RC-1005		1-ISI-RV-1 Welds in CRD Housing				
B-O B14.20 1	H-10747 II-RV-001CRDH-56 RC-1005	ISI / PT ISI / UT	1-ISI-RV-1 Welds in CRD Housing			s	Surface exam or Volumetric exam per Code requirements.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
B-O B14.20 1	H-10748 II-RV-001CRDH-62 RC-1005		1-ISI-RV-1 Welds in CRD Housing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
B-O B14.20 1	H-10749 II-RV-001CRDH-50 RC-1005		1-ISI-RV-1 Welds in CRD Housing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
B-O B14.20 1	H-10750 II-RV-001CRDH-44 RC-1005		1-ISI-RV-1 Welds in CRD Housing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
B-O B14.20 1	H-10751 II-RV-001CRDH-51 RC-1005		1-ISI-RV-1 Welds in CRD Housing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
B-O B14.20 1	H-10752 II-RV-001CRDH-63 RC-1005		1-ISI-RV-1 Welds in CRD Housing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
B-O B14.20 1	H-10753 II-RV-001CRDH-57 RC-1005		1-ISI-RV-1 Welds in CRD Housing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
B-O B14.20 1	H-10754 II-RV-001CRDH-64 RC-1005		1-ISI-RV-1 Welds in CRD Housing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
B-O B14.20 1	H-10755 II-RV-001CRDH-53 RC-1005		1-ISI-RV-1 Welds in CRD Housing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
B-O B14.20 1	H-10756 II-RV-001CRDH-45 RC-1005		1-ISI-RV-1 Welds in CRD Housing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
B-O B14.20 1	H-10757 II-RV-001CRDH-52 RC-1005		1-ISI-RV-1 Welds in CRD Housing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
B-O B14.20 1	H-10758 II-RV-001CRDH-65 RC-1005		1-ISI-RV-1 Welds in CRD Housing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
B-O B14.20 1	H-10759 II-RV-001CRDH-54 RC-1005	ISI / PT ISI / UT	1-ISI-RV-1 Welds in CRD Housing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	Surface exam or Volumetric exam per Code requirements.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	

# Category B-Q

# Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
B-Q B16.20 1	H-09614 "A" S/G ECT RCS	ISI / ET	N/A ECT of "A" S/G tubes	s	s		The extent and frequency of exams shall be governed by the station Technical Specification 6.8.4.L.
B-Q B16.20 1	H-09615 "B" S/G ECT RCS	ISI / ET	N/A ECT of "B" S/G tubes	s	s		SG Team perform per Technical Specification 6.8.4.L Steam Generator Tubing ISI Program governance, oversight, support and functions in accordance with PD-EG-PWR-1801, Post outage reporting using the fleet procedure AD-EG-PWR-1816:
B-Q B16.20 1	H-09616 "C" S/G ECT RCS	ISI / ET	N/A ECT of "C" S/G tubes	s	s		SG Team perform per Technical Specification 6.8.4.L Steam Generator Tubing ISI Program governance, oversight, support and functions in accordance with PD-EG-PWR-1801, Post outage reporting using the fleet procedure AD-EG-PWR-1816:

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	

# Category C-C



# Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
C-C C3.10 2	H-03720 II-RHR-01RHRA-STVW-06 RH-2085	ISI / PT	1-ISI-RHR-1 Skirt to Vessel Weld	s			Residual Heat Removal Heat Exchanger A. Unable to validate attachment Material Type. Used SS based on Shell Material Type.
C-C C3.10 2	H-03728 II-RHR-01RHRB-STVW-06 RH-2085		1-ISI-RHR-1 Skirt to Vessel Weld				Residual Heat Removal Heat Exchanger B. Unable to validate attachment Material Type. Used SS based on Shell Material Type.
C-C C3.10 2	H-10718 II-BIT-01H-001-ATT SI-2085	ISI / PT	1-ISI-BIT-1 and 2 Support Pad to Shell <No Code Case	s			Boron Injection Tank. Only one welded attachment is required to be examined.
C-C C3.10 2	H-10719 II-BIT-01H-002-ATT SI-2085		1-ISI-BIT-1 and 2 Support Pad to Shell				Boron Injection Tank. Only one welded attachment is required to be examined.
C-C C3.10 2	H-10720 II-BIT-01H-003-ATT SI-2085		1-ISI-BIT-1 and 2 Support Pad to Shell				Boron Injection Tank. Only one welded attachment is required to be examined.
C-C C3.10 2	H-10721 II-BIT-01H-004-ATT SI-2085		1-ISI-BIT-1 and 2 Support Pad to Shell				Boron Injection Tank. Only one welded attachment is required to be examined.
C-C C3.10 2	H-10734 II-VCT-01H-001-ATT CS-2060	ISI / PT	1364-001720 Support Skirt to Shell			s	Volume Control Tank. Tank is SA 240 Type 304 and Skirt is SA 36 Steel.
C-C C3.10 2	H-10897 II-SWIF-1A-H-001-ATT CS-2060	ISI / PT	1364-3848 Support Leg to Shell			s	Seal Water Injection Filter A. No ISI dwg exist, vendor drawing does not show type of material or thickness of support legs (3 of them). Only one welded attachment on one multiple vessel required to be examined. This welded attachment was added during 4th Interval Update.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
C-C C3.10 2	H-10898 II-SWIF-1A-H-002-ATT CS-2060		1364-3848 Support Leg to Shell				Seal Water Injection Filter A. No ISI dwg exist, vendor drawing does not show type of material or thickness of support legs (3 of them). Only one welded attachment on one multiple vessel required to be examined. This welded attachment was added during 4th Interval Update.
C-C C3.10 2	H-10899 II-SWIF-1A-H-003-ATT CS-2060		1364-3848 Support Leg to Shell				Seal Water Injection Filter A. No ISI dwg exist, vendor drawing does not show type of material or thickness of support legs (3 of them). Only one welded attachment on one multiple vessel required to be examined. This welded attachment was added during 4th Interval Update.
C-C C3.10 2	H-10900 II-SWIF-1B-H-001-ATT CS-2060		1364-3848 Support Leg to Shell				Seal Water Injection Filter B. No ISI dwg exist, vendor drawing does not show type of material or thickness of support legs (3 of them). Only one welded attachment on one multiple vessel required to be examined. This welded attachment was added during 4th Interval Update.
C-C C3.10 2	H-10901 II-SWIF-1B-H-002-ATT CS-2060		1364-3848 Support Leg to Shell				Seal Water Injection Filter B. No ISI dwg exist, vendor drawing does not show type of material or thickness of support legs (3 of them). Only one welded attachment on one multiple vessel required to be examined. This welded attachment was added during 4th Interval Update.
C-C C3.10 2	H-10902 II-SWIF-1B-H-003-ATT CS-2060		1364-3848 Support Leg to Shell				Seal Water Injection Filter B. No ISI dwg exist, vendor drawing does not show type of material or thickness of support legs (3 of them). Only one welded attachment on one multiple vessel required to be examined. This welded attachment was added during 4th Interval Update.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
C-C C3.20 2	H-00168 AF-H-0286-ATT AF-3065		1-ISI-AF-8 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-00187 AF-H-0320-ATT AF-3065		1-ISI-AF-10 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-00193 AF-H-0328-ATT AF-3065	ISI / MT	1-ISI-AF-10 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	
C-C C3.20 2	H-00221 AF-H-0390-ATT AF-3065		1-ISI-AF-8 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-00222 AF-H-0391-ATT AF-3065		1-ISI-AF-8 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-00747 CS-H-0001-ATT CS-2060		1-ISI-CS-1 S01 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support also has a 1/2" Plate. Examine both attachments.
C-C C3.20 2	H-00752 CS-H-0006-ATT CS-2060		1-ISI-CS-21 S01 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-00754 CS-H-0011-ATT CS-2060		1-ISI-CS-21 S01 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-00759 CS-H-0018-ATT CS-2060	ISI / PT	1-ISI-CS-1 S02 Welded Attachments	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	<input type="checkbox"/>	Support also has a 3/8" Plate. Examine both attachments.
C-C C3.20 2	H-00763 CS-H-0023-ATT CS-2060		1-ISI-CS-21 S02 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support also has a 3/8" Plate. Examine both attachments.
C-C C3.20 2	H-00774 CS-H-0038-ATT CS-2060		1-ISI-CS-1 S02 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-00775 CS-H-0041-ATT CS-2060		1-ISI-CS-1 S02 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
C-C C3.20 2	H-00862 CT-H-0228-ATT CT-2070		1-ISI-CT-7 S02 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support also has a 9/16" Plate. Examine both attachments.
C-C C3.20 2	H-00864 CT-H-0233-ATT CT-2070		1-ISI-CT-7 S02 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-00866 CT-H-0236-ATT CT-2070		1-ISI-CT-7 S02 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-00870 CT-H-0242-ATT CT-2070		1-ISI-SI-9 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support also has a 3/8" Plate. Examine both attachments.
C-C C3.20 2	H-00873 CT-H-0249-ATT CT-2070		1-ISI-CS-1 S01 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support also has a 1/2" Plate. Examine both attachments.
C-C C3.20 2	H-00886 CT-H-0283-ATT CT-2070		1-ISI-CT-8 S02 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support also has a 1/2" Plate. Examine both attachments.
C-C C3.20 2	H-00888 CT-H-0287-ATT CT-2070		1-ISI-CT-8 S03 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support also has a 1/2" Plate. Examine both attachments.
C-C C3.20 2	H-00889 CT-H-0291-ATT CT-2070		1-ISI-CT-8 S03 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-00894 CT-H-0306-ATT CT-2070		1-ISI-CT-1 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-00900 CT-H-0316-ATT CT-2070		1-ISI-CT-1 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support also has a 1/2" Plate. Examine both attachments.
C-C C3.20 2	H-00905 CT-H-0320-ATT CT-2070		1-ISI-CT-1 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-00908 CT-H-0330-ATT CT-2070		1-ISI-CT-2 S01 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
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C-C C3.20 2	H-00911 CT-H-0332-ATT CT-2070		1-ISI-CT-2 S01 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-00915 CT-H-0339-ATT CT-2070		1-ISI-CT-2 S01 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-00918 CT-H-0342-ATT CT-2070		1-ISI-CT-2 S01 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-00922 CT-H-0346-ATT CT-2070		1-ISI-CT-2 S02 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-00927 CT-H-0353-ATT CT-2070		1-ISI-CT-2 S02 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support also has a 1/4" Plate. Examine both attachments.
C-C C3.20 2	H-00930 CT-H-0796-ATT CT-2070		1-ISI-CT-1 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-00936 CT-H-0891-ATT CT-2070		1-ISI-CT-1 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-01075 FW-H-0106-ATT FW-3050		1-ISI-FW-5 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-01106 FW-H-0797-ATT FW-3050		1-ISI-FW-5 Welded Attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-01109 FW-H-0800-ATT FW-3050		1-ISI-FW-6 Welded Attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-01113 FW-H-0805-ATT FW-3050		1-ISI-FW-7 Welded Attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-02452 MS-H-0005-ATT MS-3020	ISI / MT	1-ISI-MS-3 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
C-C C3.20 2	H-02453 MS-H-0006-ATT MS-3020		1-ISI-MS-3 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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C-C C3.20 2	H-02529 MS-H-0018-ATT MS-3020		1-ISI-MS-4 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-02530 MS-H-0020-ATT MS-3020		1-ISI-MS-4 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-02587 FW-H-0126-ATT FW-3050		1-ISI-FW-7 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-02607 MS-H-0025-ATT MS-3020		1-ISI-MS-5 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-02608 MS-H-0026-ATT MS-3020		1-ISI-MS-5 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-03265 RH-H-0014-ATT RH-2085		1-ISI-RH-1 S02 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-04575 SI-H-0236-ATT SI-2080		1-ISI-SI-24 S01 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-04615 SI-H-0254-ATT SI-2080	ISI / PT	1-ISI-SI-25 S01 Welded Attachments	<input type="checkbox"/>	s	<input type="checkbox"/>	Examine all welded attachments to process pipe at this location.
C-C C3.20 2	H-04911 MS-H-0007-ATT MS-3020		1-ISI-MS-3 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-04915 MS-H-0017-ATT MS-3020		1-ISI-MS-4 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-04922 MS-H-0028-ATT MS-3020		1-ISI-MS-5 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-05078 RH-H-0013-ATT RH-2085		1-ISI-RH-4 S02 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-05086 RH-H-0019-ATT RH-2085		1-ISI-RH-1 S02 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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C-C C3.20 2	H-05098 RH-H-0047-ATT RH-2085		1-ISI-RH-2 S01 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-05108 RH-H-0066-ATT RH-2085		1-ISI-CS-2 S01 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-05114 RH-H-0078-ATT RH-2085		1-ISI-SI-8 S01 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-05116 RH-H-0080-ATT RH-2085		1-ISI-CS-2 S03 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-05122 RH-H-0099-ATT RH-2085		1-ISI-RH-4 S02 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-05145 RH-H-0158-ATT RH-2085		1-ISI-RH-4 S01 Welded Attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-05148 RH-H-0165-ATT RH-2085		1-ISI-CS-2 S01 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-05155 RH-H-0176-ATT RH-2085		1-ISI-CS-2 S03 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-05159 RH-H-0185-ATT RH-2085		1-ISI-RH-4 S02 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-05161 RH-H-0189-ATT RH-2085		1-ISI-RH-2 S01 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-05163 RH-H-0265-ATT RH-2085		1-ISI-SI-8 S02 Welded Attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-05169 RH-H-0314-ATT RH-2085		1-ISI-SI-8 S02 Welded Attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-05171 RH-H-0316-ATT RH-2085		1-ISI-SI-8 S02 Welded Attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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C-C C3.20 2	H-05285 SI-H-0008-ATT SI-2080		1-ISI-SI-8 S02 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-05292 SI-H-0016-ATT SI-2080		1-ISI-SI-9 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-05298 SI-H-0028-ATT SI-2080		1-ISI-RH-1 S02 Welded Attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-05310 SI-H-0044-ATT SI-2080		1-ISI-SI-9 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-05312 SI-H-0045-ATT SI-2080		1-ISI-SI-9 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-05314 SI-H-0046-ATT SI-2080		1-ISI-SI-9 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-05316 SI-H-0047-ATT SI-2080		1-ISI-SI-9 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-05322 SI-H-0057-ATT SI-2080		1-ISI-SI-8 S01 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-05360 SI-H-0181-ATT SI-2080		1-ISI-SI-27 S02 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-05374 SI-H-0242-ATT SI-2080		1-ISI-SI-24 S01 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-05411 SI-H-0420-ATT SI-2080		1-ISI-SI-9 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-05447 SI-H-1284-ATT SI-2080		1-ISI-RH-2 S02 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



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				1	2	3	
C-C	H-09792		1-ISI-SI-4 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C3.20	SI-H-0414-ATT		Welded Attachments				
2	SI-2080						
C-C	H-09832		1-ISI-SI-4 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C3.20	SI-H-0072-ATT		Welded Attachments				
2	SI-2080						
C-C	H-09916		1-ISI-RH-2 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C3.20	CT-H-0271-ATT		Welded Attachments				
2	CT-2070						
C-C	H-09950		1-ISI-CS-7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C3.20	CS-H-0124-ATT		Welded Attachments				
2	CS-2060						
C-C	H-09967		1-ISI-CT-7 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C3.20	CT-H-0201-ATT		Welded Attachments				
2	CT-2070						
C-C	H-09969		1-ISI-CT-7 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C3.20	CT-H-0204-ATT		Welded Attachments				
2	CT-2070						
C-C	H-09971		1-ISI-CT-7 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C3.20	CT-H-0205-ATT		Welded Attachments				
2	CT-2070						
C-C	H-09974		1-ISI-CT-7 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C3.20	CT-H-0207-ATT		Welded Attachments				
2	CT-2070						
C-C	H-09987		1-ISI-CT-8 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C3.20	CT-H-0259-ATT		Welded Attachments				
2	CT-2070						
C-C	H-10172		1-ISI-SW-92 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C3.20	SW-H-2047-ATT		Welded Attachments				
2	SW-4065						
C-C	H-10173		1-ISI-SW-92 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C3.20	SW-H-0207-ATT		Welded Attachments				
2	SW-4065						
C-C	H-10174		1-ISI-SW-92 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C3.20	SW-H-0209-ATT		Welded Attachments				
2	SW-4065						
C-C	H-10175		1-ISI-SW-92 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C3.20	SW-H-2051-ATT		Welded Attachments				
2	SW-4065						

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C-C C3.20 2	H-10176 SW-H-0256-ATT SW-4065		1-ISI-SW-87 S02 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-10177 SW-H-0199-ATT SW-4065		1-ISI-SW-91 S01 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-10178 SW-H-0197-ATT SW-4065		1-ISI-SW-91 S01 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-10179 SW-H-0195-ATT SW-4065		1-ISI-SW-91 S01 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-10180 SW-H-0189-ATT SW-4065		1-ISI-SW-91 S01 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-10181 SW-H-0187-ATT SW-4065		1-ISI-SW-91 S01 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-10182 SW-H-0183-ATT SW-4065		1-ISI-SW-91 S02 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-10183 SW-H-2204-ATT SW-4065		1-ISI-SW-91 S02 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-10184 SW-H-2205-ATT SW-4065		1-ISI-SW-91 S03 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-10185 SW-H-0169-ATT SW-4065		1-ISI-SW-90 S01 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-10186 SW-H-0174-ATT SW-4065		1-ISI-SW-90 S01 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-10187 SW-H-0176-ATT SW-4065		1-ISI-SW-90 S01 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-10188 SW-H-0178-ATT SW-4065		1-ISI-SW-90 S01 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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C-C C3.20 2	H-10189 SW-H-0159-ATT SW-4065		1-ISI-SW-89 S01 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-10190 SW-H-0157-ATT SW-4065		1-ISI-SW-89 S01 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-10191 SW-H-0153-ATT SW-4065		1-ISI-SW-89 S02 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-10192 SW-H-2179-ATT SW-4065		1-ISI-SW-89 S03 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-10193 SW-H-2182-ATT SW-4065		1-ISI-SW-89 S04 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-10194 SW-H-2184-ATT SW-4065		1-ISI-SW-89 S04 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-10195 SW-H-1977-ATT SW-4065		1-ISI-SW-88 S04 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-10196 SW-H-1970-ATT SW-4065		1-ISI-SW-88 S04 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-10197 SW-H-1975-ATT SW-4065		1-ISI-SW-88 S03 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-10198 SW-H-1928-ATT SW-4065		1-ISI-SW-88 S02 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-10199 SW-H-0134-ATT SW-4065		1-ISI-SW-88 S01 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-10200 SW-H-0136-ATT SW-4065		1-ISI-SW-88 S01 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-10320 CS-H-0115-ATT CS-2060		1-ISI-CS-6 S01 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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C-C C3.20 2	H-10322 SI-H-0069-ATT SI-2080		1-ISI-SI-10 Welded Attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-10323 SI-H-0103-ATT SI-2080		1-ISI-SI-11 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-10326 SI-H-0332-ATT SI-2080		1-ISI-SI-3 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-10327 SI-H-0397-ATT SI-2080		1-ISI-SI-4 S02 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-10329 CT-H-0247-ATT CT-2070		1-ISI-CT-7 S01 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-10330 CT-H-0218-ATT CT-2070		1-ISI-CT-7 S01 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-10532 SW-H-1980-ATT SW-4065		1-ISI-SW-88 S04 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-10544 SI-H-0484-ATT SI-2080		1-ISI-SI-20 S01 Welded Attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-10545 SI-H-0455-ATT SI-2080		1-ISI-SI-19 S01 Welded Attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-10552 CT-H-0318-ATT CT-2070		1-ISI-CT-1 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C-C C3.20 2	H-10903 II-SWPS-SW-H-M25-ATT SW-4065		1-ISI-SW-10 Penetration Attachment to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Penetration M25 / Type II B / Support with Welded Attachment added during 4th Interval update.
C-C C3.20 2	H-10904 II-SWPS-SW-H-M26-ATT SW-4065		1-ISI-SW-13 Penetration Attachment to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Penetration M26 / Type II B / Support with Welded Attachment added during 4th Interval update.

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C-C C3.20 2	H-10905 II-SWPS-SW-H-M27-ATT SW-4065		1-ISI-SW-14 Penetration Attachment to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Penetration M27/ Type IIB / Support with Welded Attachment added during 4th Interval update.
C-C C3.20 2	H-10906 II-SWPS-SW-H-M28-ATT SW-4065		1-ISI-SW-15 Penetration Attachment to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Penetration M28 / Type II B / Support with Welded Attachment added during 4th Interval update.
C-C C3.20 2	H-10907 II-SWPS-SW-H-M29-ATT SW-4065		1-ISI-SW-11 Penetration Attachment to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Penetration M29 / Type II B / Support with Welded Attachment added during 4th Interval update.
C-C C3.20 2	H-10908 II-SWPS-SW-H-M30-ATT SW-4065		1-ISI-SW-12 Penetration Attachment to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Penetration M30 / Type II B / Support with Welded Attachment added during 4th Interval update.
C-C C3.20 2	H-10909 II-SWPS-SW-H-M31-ATT SW-4065		1-ISI-SW-16 Penetration Attachment to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Penetration M31 / Type II B / Support with Welded Attachment added during 4th Interval update.
C-C C3.20 2	H-10910 II-SWPS-SW-H-M32-ATT SW-4065		1-ISI-SW-17 Penetration Attachment to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Penetration M32 / Type II B / Support with Welded Attachment added during 4th Interval update.
C-C C3.20 2	H-10911 II-SIPS-SI-H-M13-ATT SI-2085		1-ISI-SI-8-S01 Penetration Attachment to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Penetration M13 / Type I / Support with Welded Attachment added during 4th Interval update.
C-C C3.20 2	H-10912 II-CPPS-CP-H-M57-ATT CP-8010		2165-G-115 Penetration Attachment to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Penetration M57 / Support with Welded Attachment added during 4th Interval update.
C-C C3.20 2	H-10913 II-CPPS-CP-H-M58-ATT CP-8010		2165-G-115 Penetration Attachment to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Penetration M58 / Support with Welded Attachment added during 4th Interval update.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
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C-C C3.20 2	H-10914 II-CBPS-CB-H-M59-ATT CP-8010		2165-G-064 Penetration Attachment to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Penetration M58 / Support with Welded Attachment added during 4th Interval update.
C-C C3.20 2	H-10915 II-CMPS-CM-H-M61-ATT CP-8010		2165-G-115 Penetration Attachment to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Penetration M61 / Support with Welded Attachment added during 4th Interval update.
C-C C3.20 2	H-10916 II-CBPS-CB-H-M98-ATT CP-8010		2165-G-064 Penetration Attachment to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Penetration M98 /Support with Welded Attachment added during 4th Interval update.
C-C C3.20 2	H-10919 FW-H-0801-ATT FW-3050		1-ISI-FW-6 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	This welded attachment was added during 4th Interval Update.
C-C C3.20 2	H-10920 SW-H-1915-ATT SW-4065		1-ISI-SW-90 S01 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	This welded attachment was added during 4th Interval Update.
C-C C3.20 2	H-10922 SW-H-2207-ATT SW-4065		1-ISI-SW-91 S03 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	This welded attachment was added during 4th Interval Update.
C-C C3.20 2	H-10923 CS-H-4400-ATT CS-2060		1A-236-CS-6 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support with welded attachment added from Stress Iso 1A-236-CS-6 pg.22 from Calc 141-2 during 4th interval update.
C-C C3.20 2	H-10924 CS-H-4403-ATT CS-2060		1A-236-CS-6 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support with welded attachment added from Stress Iso 1A-236-CS-6 pg.22 from Calc 141-2 during 4th interval update.
C-C C3.20 2	H-10925 CS-H-4406-ATT CS-2060		1A-236-CS-7 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support with welded attachment added from Stress Iso 1A-236-CS-6 pg.22 from Calc 141-2 during 4th interval update.
C-C C3.20 2	H-10926 CS-H-2632-ATT CS-2060		1A-261-CS-25 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support with welded attachment added from Stress Iso 1A-261-CS-25 from Calc 750-6 during 4th interval update.

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				1	2	3	
C-C C3.20 2	H-10927 CS-H-1939-ATT CS-2060		1A-261-CS-25 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support with welded attachment added from Stress Iso 1A-261-CS-25 from Calc 750-6 during 4th interval update.
C-C C3.20 2	H-10928 CS-H-2625-ATT CS-2060		1A-261-CS-26 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support with welded attachment added from Stress Iso 1A-261-CS-25 from Calc 750-6 during 4th interval update.
C-C C3.20 2	H-10929 CS-H-2582-ATT CS-2060		1A-261-CS-26 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support with welded attachment added from Stress Iso 1A-261-CS-25 from Calc 750-6 during 4th interval update.
C-C C3.20 2	H-10930 CS-H-1938-ATT CS-2060		1A-236-CS-24 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support with welded attachment added from Stress Iso 1A-236-CS-24 from Calc 3092-2 during 4th interval update.
C-C C3.20 2	H-10931 CS-H-2926-ATT CS-2060		1A-236-CS-33 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support with welded attachment added from Stress Iso 1A-236-CS-33 from Calc 3108 during 4th interval update.
C-C C3.20 2	H-10932 CS-H-2729-ATT CS-2060		1A-261-CS-22 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support with welded attachment added from Stress Iso 1A-261-CS-22 from Calc 750-3 during 4th interval update.
C-C C3.20 2	H-10933 CS-H-2925-ATT CS-2060		1A-261-CS-22 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support with welded attachment added from Stress Iso 1A-261-CS-22 from Calc 750-3 during 4th interval update.
C-C C3.20 2	H-10934 CS-H-2721-ATT CS-2060		1A-261-CS-23 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support with welded attachment added from Stress Iso 1A-261-CS-23 from Calc 750-4 during 4th interval update.
C-C C3.30 2	H-01858 II-CSIP-1CSIP-A-WA1 CS-2060	ISI / PT	1-ISI-CSIP-2 "A" Pump Support Feet A1 to Casing	<input type="checkbox"/>	s	<input type="checkbox"/>	Charging / Safety Injection Pump A. Couldn't validate thickness of attachment. If thickness is needed a field measurement will be required.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
C-C C3.30 2	H-01859 II-CSIP-1CSIP-A-WA2 CS-2060	ISI / PT	1-ISI-CSIP-2 "A" Pump Support Feet A2 to Casing		s		Charging / Safety Injection Pump A. Couldn't validate thickness of attachment. If thickness is needed a field measurement will be required.
C-C C3.30 2	H-01860 II-CSIP-1CSIP-A-WA3 CS-2060	ISI / PT	1-ISI-CSIP-2 "A" Pump Support Feet A3 to Casing		s		Charging / Safety Injection Pump A. Couldn't validate thickness of attachment. If thickness is needed a field measurement will be required.
C-C C3.30 2	H-01861 II-CSIP-1CSIP-A-WA4 CS-2060	ISI / PT	1-ISI-CSIP-2 "A" Pump Support Feet A4 to Casing		s		Charging / Safety Injection Pump A. Couldn't validate thickness of attachment. If thickness is needed a field measurement will be required.
C-C C3.30 2	H-01863 II-CSIP-1CSIP-B-WA1 CS-2060		1-ISI-CSIP-2 "B" Pump Support Feet A1 to Casing				Charging / Safety Injection Pump B. Couldn't validate thickness of attachment. If thickness is needed a field measurement will be required.
C-C C3.30 2	H-01864 II-CSIP-1CSIP-B-WA2 CS-2060		1-ISI-CSIP-2 "B" Pump Support Feet A2 to Casing				Charging / Safety Injection Pump B. Couldn't validate thickness of attachment. If thickness is needed a field measurement will be required.
C-C C3.30 2	H-01865 II-CSIP-1CSIP-B-WA3 CS-2060		1-ISI-CSIP-2 "B" Pump Support Feet A3 to Casing				Charging / Safety Injection Pump B. Couldn't validate thickness of attachment. If thickness is needed a field measurement will be required.
C-C C3.30 2	H-01866 II-CSIP-1CSIP-B-WA4 CS-2060		1-ISI-CSIP-2 "B" Pump Support Feet A4 to Casing				Charging / Safety Injection Pump B. Couldn't validate thickness of attachment. If thickness is needed a field measurement will be required.
C-C C3.30 2	H-01868 II-CSIP-1CSIP-C-WA1 CS-2060		1-ISI-CSIP-2 "C" Pump Support Feet A1 to Casing				Charging / Safety Injection Pump C. Couldn't validate thickness of attachment. If thickness is needed a field measurement will be required.



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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
C-C C3.30 2	H-01869 II-CSIP-1CSIP-C-WA2 CS-2060		1-ISI-CSIP-2 "C" Pump Support Feet A2 to Casing				Charging / Safety Injection Pump C. Couldn't validate thickness of attachment. If thickness is needed a field measurement will be required.
C-C C3.30 2	H-01870 II-CSIP-1CSIP-C-WA3 CS-2060		1-ISI-CSIP-2 "C" Pump Support Feet A3 to Casing				Charging / Safety Injection Pump C. Couldn't validate thickness of attachment. If thickness is needed a field measurement will be required.
C-C C3.30 2	H-01871 II-CSIP-1CSIP-C-WA4 CS-2060		1-ISI-CSIP-2 "C" Pump Support Feet A4 to Casing				Charging / Safety Injection Pump C. Couldn't validate thickness of attachment. If thickness is needed a field measurement will be required.
C-C C3.30 2	H-02399 II-CTP-01CTP-A-A1 CT-2070		1-ISI-CTP-2 "A" Pump Support Feet A1 to Casing				Containment Spray Pump A. Couldn't validate thickness of attachment. If actual thickness is needed a field measurement will be required.
C-C C3.30 2	H-02400 II-CTP-01CTP-A-A2 CT-2070		1-ISI-CTP-2 "A" Pump Support Feet A2 to Casing				Containment Spray Pump A. Couldn't validate thickness of attachment. If actual thickness is needed a field measurement will be required.
C-C C3.30 2	H-02401 II-CTP-01CTP-A-A3 CT-2070		1-ISI-CTP-2 "A" Pump Support Feet A3 to Casing				Containment Spray Pump A. Couldn't validate thickness of attachment. If actual thickness is needed a field measurement will be required.
C-C C3.30 2	H-02403 II-CTP-01CTP-B-A1 CT-2070		1-ISI-CTP-2 "B" Pump Support Feet A1 to Casing				Containment Spray Pump B. Couldn't validate thickness of attachment. If actual thickness is needed a field measurement will be required.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
C-C C3.30 2	H-02404 II-CTP-01CTP-B-A2 CT-2070		1-ISI-CTP-2 "B" Pump Support Feet A2 to Casing				Containment Spray Pump B. Couldn't validate thickness of attachment. If actual thickness is needed a field measurement will be required.
C-C C3.30 2	H-02405 II-CTP-01CTP-B-A3 CT-2070		1-ISI-CTP-2 "B" Pump Support Feet A3 to Casing				Containment Spray Pump B. Couldn't validate thickness of attachment. If actual thickness is needed a field measurement will be required.
C-C C3.30 2	H-03730 II-RHRP-1RHRP-A-WA1 RH-2085		1-ISI-RHRP-2 "A" Pump Support Feet A1 to Casing				Residual Heat Removal Pump A. Couldn't validate thickness of attachment. If actual thickness is needed a field measurement will be required.
C-C C3.30 2	H-03731 II-RHRP-1RHRP-A-WA2 RH-2085		1-ISI-RHRP-2 "A" Pump Support Feet A2 to Casing				Residual Heat Removal Pump A. Couldn't validate thickness of attachment. If actual thickness is needed a field measurement will be required.
C-C C3.30 2	H-03732 II-RHRP-1RHRP-A-WA3 RH-2085		1-ISI-RHRP-2 "A" Pump Support Feet A3 to Casing				Residual Heat Removal Pump A. Couldn't validate thickness of attachment. If actual thickness is needed a field measurement will be required.
C-C C3.30 2	H-03734 II-RHRP-1RHRP-B-WA1 RH-2085		1-ISI-RHRP-2 "B" Pump Support Feet A1 to Casing				Residual Heat Removal Pump B. Couldn't validate thickness of attachment. If actual thickness is needed a field measurement will be required.
C-C C3.30 2	H-03735 II-RHRP-1RHRP-B-WA2 RH-2085		1-ISI-RHRP-2 "B" Pump Support Feet A2 to Casing				Residual Heat Removal Pump B. Couldn't validate thickness of attachment. If actual thickness is needed a field measurement will be required.
C-C C3.30 2	H-03736 II-RHRP-1RHRP-B-WA3 RH-2085		1-ISI-RHRP-2 "B" Pump Support Feet A3 to Casing				Residual Heat Removal Pump B. Couldn't validate thickness of attachment. If actual thickness is needed a field measurement will be required.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	

# Category D-A

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
<b>D-A</b>	H-10700	ISI / VT	1-ISI-CCHX-1			s	
D1.10	II-CCHX-1A-H-001-ATT		Welded Attachments				
3	CC-4080		<No Code Case				
<b>D-A</b>	H-10701		1-ISI-CCHX-1				
D1.10	II-CCHX-1A-H-002-ATT		Welded Attachments				
3	CC-4080						
<b>D-A</b>	H-10702		1-ISI-CCHX-1				
D1.10	II-CCHX-1B-H-001-ATT		Welded Attachments				
3	CC-4080						
<b>D-A</b>	H-10703		1-ISI-CCHX-1				
D1.10	II-CCHX-1B-H-002-ATT		Welded Attachments				
3	CC-4080						
<b>D-A</b>	H-10714		1-ISI-ESWS-1				
D1.10	II-ESWS-1A-H-001-ATT		Welded Attachments				
3	SW-4060						
<b>D-A</b>	H-10715		1-ISI-ESWS-1				
D1.10	II-ESWS-1A-H-002-ATT		Welded Attachments				
3	SW-4060						
<b>D-A</b>	H-10716	ISI / VT	1-ISI-ESWS-1	s			
D1.10	II-ESWS-1B-H-001-ATT		Welded Attachments				
3	SW-4060		<No Code Case				
<b>D-A</b>	H-10717		1-ISI-ESWS-1				
D1.10	II-ESWS-1B-H-002-ATT		Welded Attachments				
3	SW-4060						
<b>D-A</b>	H-10765		1-ISI-WC2-1				
D1.10	II-WC2-01A-H-001-ATT		Water Chiller WC-2 "A" Welded Attachment				
3	WC-4085						
<b>D-A</b>	H-10766		1-ISI-WC2-1				
D1.10	II-WC2-01A-H-002-ATT		Water Chiller WC-2 "A" Welded Attachment				
3	WC-4085						
<b>D-A</b>	H-10767		1-ISI-WC2-1				
D1.10	II-WC2-01A-H-003-ATT		Water Chiller WC-2 "A" Welded Attachment				
3	WC-4085						

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				1	2	3	
D-A	H-10768		1-ISI-WC2-1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.10 3	II-WC2-01A-H-004-ATT WC-4085		Water Chiller WC-2 "A" Welded Attachment				
D-A	H-10769		1-ISI-WC2-1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.10 3	II-WC2-01A-H-005-ATT WC-4085		Water Chiller WC-2 "A" Welded Attachment				
D-A	H-10770		1-ISI-WC2-1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.10 3	II-WC2-01A-H-006-ATT WC-4085		Water Chiller WC-2 "A" Welded Attachment				
D-A	H-10771		1-ISI-WC2-1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.10 3	II-WC2-01A-H-007-ATT WC-4085		Water Chiller WC-2 "A" Welded Attachment				
D-A	H-10772		1-ISI-WC2-1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.10 3	II-WC2-01A-H-008-ATT WC-4085		Water Chiller WC-2 "A" Welded Attachment				
D-A	H-10773	ISI / VT	1-ISI-WC2-1	<input type="checkbox"/>	s	<input type="checkbox"/>	
D1.10 3	II-WC2-01B-H-001-ATT WC-4085		Water Chiller WC-2 "B" Welded Attachment				
D-A	H-10774	ISI / VT	1-ISI-WC2-1	<input type="checkbox"/>	s	<input type="checkbox"/>	
D1.10 3	II-WC2-01B-H-002-ATT WC-4085		Water Chiller WC-2 "B" Welded Attachment				
D-A	H-10775		1-ISI-WC2-1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.10 3	II-WC2-01B-H-003-ATT WC-4085		Water Chiller WC-2 "B" Welded Attachment				
D-A	H-10776		1-ISI-WC2-1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.10 3	II-WC2-01B-H-004-ATT WC-4085		Water Chiller WC-2 "B" Welded Attachment				
D-A	H-10777		1-ISI-WC2-1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.10 3	II-WC2-01B-H-005-ATT WC-4085		Water Chiller WC-2 "B" Welded Attachment				

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				1	2	3	
<b>D-A</b>	H-10778		1-ISI-WC2-1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.10 3	II-WC2-01B-H-006-ATT WC-4085		Water Chiller WC-2 "B" Welded Attachment				
<b>D-A</b>	H-10779		1-ISI-WC2-1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.10 3	II-WC2-01B-H-007-ATT WC-4085		Water Chiller WC-2 "B" Welded Attachment				
<b>D-A</b>	H-10780		1-ISI-WC2-1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.10 3	II-WC2-01B-H-008-ATT WC-4085		Water Chiller WC-2 "B" Welded Attachment				
<b>D-A</b>	H-00280		1-ISI-CC-6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20 3	CC-H-0093-ATT CC-4080		Welded Attachments				
<b>D-A</b>	H-00283		1-ISI-CC-6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20 3	CC-H-0095-ATT CC-4080		Welded Attachments				
<b>D-A</b>	H-00288		1-ISI-CC-6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20 3	CC-H-0102-ATT CC-4080		Welded Attachments				
<b>D-A</b>	H-00291		1-ISI-CC-6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20 3	CC-H-0107-ATT CC-4080		Welded Attachments				
<b>D-A</b>	H-00294		1-ISI-CC-6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20 3	CC-H-0114-ATT CC-4080		Welded Attachments				
<b>D-A</b>	H-00299		1-ISI-CC-2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20 3	CC-H-0289-ATT CC-4080		Welded Attachments				
<b>D-A</b>	H-00302		1-ISI-CC-1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20 3	CC-H-0292-ATT CC-4080		Welded Attachments				
<b>D-A</b>	H-00308		1-ISI-CC-1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20 3	CC-H-0304-ATT CC-4080		Welded Attachments				
<b>D-A</b>	H-00313		1-ISI-CC-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20 3	CC-H-0313-ATT CC-4080		Welded Attachments				

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				1	2	3	
D-A D1.20 3	H-00325 CC-H-0330-ATT CC-4080		1-ISI-CC-9 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-00336 CC-H-0351-ATT CC-4080		1-ISI-CC-2 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-00340 CC-H-0355-ATT CC-4080	ISI / VT	1-ISI-CC-2 Welded Attachment <No Code Case	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-00346 CC-H-0367-ATT CC-4080		1-ISI-CC-7 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-00349 CC-H-0369-ATT CC-4080		1-ISI-CC-2 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-00351 CC-H-0370-ATT CC-4080		1-ISI-CC-2 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-00355 CC-H-0374-ATT CC-4080		1-ISI-CC-3 Welded Attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-00357 CC-H-0376-ATT CC-4080		1-ISI-CC-3 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-00370 CC-H-0392-ATT CC-4080		1-ISI-CC-4 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-00373 CC-H-0394-ATT CC-4080		1-ISI-CC-4 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-00377 CC-H-0402-ATT CC-4080		1-ISI-CC-4 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-00380 CC-H-0406-ATT CC-4080		1-ISI-CC-4 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-00387 CC-H-0414-ATT CC-4080		1-ISI-CC-7 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
D-A D1.20 3	H-00389 CC-H-0416-ATT CC-4080		1-ISI-CC-63 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-00392 CC-H-0427-ATT CC-4080		1-ISI-CC-8 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-00399 CC-H-0438-ATT CC-4080		1-ISI-CC-9 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-00403 CC-H-0443-ATT CC-4080		1-ISI-CC-9 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-00405 CC-H-0444-ATT CC-4080		1-ISI-CC-9 Welded Attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-00413 CC-H-0458-ATT CC-4080		1-ISI-CC-9 Welded Attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-00415 CC-H-0461-ATT CC-4080		1-ISI-CC-9 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-00418 CC-H-0466-ATT CC-4080		1-ISI-CC-9 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-00423 CC-H-0473-ATT CC-4080		1-ISI-CC-9 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-00430 CC-H-0483-ATT CC-4080		1-ISI-CC-13 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-00435 CC-H-0496-ATT CC-4080		1-ISI-CC-12 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-00437 CC-H-0497-ATT CC-4080		1-ISI-CC-12 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-00439 CC-H-0499-ATT CC-4080		1-ISI-CC-12 Welded Attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
D-A	H-00441		1-ISI-CC-12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20	CC-H-0503-ATT		Welded Attachment				
3	CC-4080						
D-A	H-00444		1-ISI-CC-12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20	CC-H-0505-ATT		Welded Attachments				
3	CC-4080						
D-A	H-00448		1-ISI-CC-12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20	CC-H-0512-ATT		Welded Attachments				
3	CC-4080						
D-A	H-00453		1-ISI-CC-16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20	CC-H-0536-ATT		Welded Attachments				
3	CC-4080						
D-A	H-00456		1-ISI-CC-16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20	CC-H-0541-ATT		Welded Attachments				
3	CC-4080						
D-A	H-00460		1-ISI-CC-16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20	CC-H-0546-ATT		Welded Attachments				
3	CC-4080						
D-A	H-00470		1-ISI-CC-24	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20	CC-H-0570-ATT		Welded Attachments				
3	CC-4080						
D-A	H-00476		1-ISI-CC-29	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20	CC-H-0682-ATT		Welded Attachments				
3	CC-4080						
D-A	H-00492		1-ISI-CC-11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20	CC-H-0877-ATT		Welded Attachment				
3	CC-4080						
D-A	H-00495		1-ISI-CC-11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20	CC-H-0882-ATT		Welded Attachments				
3	CC-4080						
D-A	H-00501		1-ISI-CC-13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20	CC-H-0892-ATT		Welded Attachments				
3	CC-4080						
D-A	H-00513		1-ISI-CC-14	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20	CC-H-0906-ATT		Welded Attachments				
3	CC-4080						
D-A	H-00515		1-ISI-CC-14	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20	CC-H-0908-ATT		Welded Attachments				
3	CC-4080						

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
D-A	H-00517		1-ISI-CC-14	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20	CC-H-0909-ATT		Welded Attachments				
3	CC-4080						
D-A	H-00519		1-ISI-CC-14	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20	CC-H-0911-ATT		Welded Attachments				
3	CC-4080						
D-A	H-00521		1-ISI-CC-14	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20	CC-H-0913-ATT		Welded Attachments				
3	CC-4080						
D-A	H-00524		1-ISI-CC-14	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20	CC-H-0919-ATT		Welded Attachments				
3	CC-4080						
D-A	H-00537		1-ISI-CC-21	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20	CC-H-0932-ATT		Welded Attachments				
3	CC-4080						
D-A	H-00541	ISI / VT	1-ISI-CC-21	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20	CC-H-0935-ATT		Welded Attachments				
3	CC-4080						
D-A	H-00545		1-ISI-CC-21	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20	CC-H-0938-ATT		Welded Attachment				
3	CC-4080						
D-A	H-00547		1-ISI-CC-21	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20	CC-H-0939-ATT		Welded Attachment				
3	CC-4080						
D-A	H-00550		1-ISI-CC-22	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20	CC-H-0941-ATT		Welded Attachments				
3	CC-4080						
D-A	H-00554		1-ISI-CC-22	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20	CC-H-0945-ATT		Welded Attachments				
3	CC-4080						
D-A	H-00558		1-ISI-CC-22	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20	CC-H-0950-ATT		Welded Attachment				
3	CC-4080						
D-A	H-00569		1-ISI-CC-63	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20	CC-H-1346-ATT		Welded Attachments				
3	CC-4080						
D-A	H-00582		1-ISI-CC-21	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20	CC-H-1594-ATT		Welded Attachments				
3	CC-4080						

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
D-A	H-00593		1-ISI-CC-22	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20	CC-H-1801-ATT		Welded Attachments				
3	CC-4080						
D-A	H-00595		1-ISI-CC-22	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20	CC-H-1802-ATT		Welded Attachments				
3	CC-4080						
D-A	H-00603		1-ISI-CC-9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20	CC-H-1838-ATT		Welded Attachments				
3	CC-4080						
D-A	H-00616		1-ISI-CC-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20	CC-H-1999-ATT		Welded Attachments				
3	CC-4080						
D-A	H-00679	ISI / VT	1-ISI-CH-10	<input type="checkbox"/>	s	<input type="checkbox"/>	
D1.20	CH-H-1467-ATT		Welded Attachment				
3	CH-4085						
D-A	H-00730		1-ISI-CH-49	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20	CH-H-1734-ATT		Welded Attachments				
3	CH-4085						
D-A	H-00945	ISI / VT	1-ISI-CX-47	<input type="checkbox"/>	s	<input type="checkbox"/>	
D1.20	CX-H-0361-ATT		Welded Attachment				
3	CX-4085						
D-A	H-00984		1-ISI-CX-39	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20	CX-H-1524-ATT		Welded Attachment				
3	CX-4085						
D-A	H-01019		1-ISI-CX-42	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20	CX-H-1741-ATT		Welded Attachments				
3	CX-4085						
D-A	H-01029		1-ISI-CX-65	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20	CX-H-1808-ATT		Welded Attachments				
3	CX-4085						
D-A	H-04941		1-ISI-MS-7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20	MS-H-0171-ATT		Welded Attachments				
3	MS-3020						
D-A	H-04943	ISI / VT	1-ISI-MS-7	<input type="checkbox"/>	<input type="checkbox"/>	s	
D1.20	MS-H-0172-ATT		Welded Attachments				
3	MS-3020						
D-A	H-04959		1-ISI-MS-8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D1.20	MS-H-0197-ATT		Welded Attachments				
3	MS-3020						

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
D-A	H-04962		1-ISI-MS-8				
D1.20	MS-H-0202-ATT		Welded Attachments				
3	MS-3020						
D-A	H-04980		1-ISI-MS-10				
D1.20	MS-H-1388-ATT		Welded Attachments				
3	MS-3020						
D-A	H-04982		1-ISI-MS-10				
D1.20	MS-H-1393-ATT		Welded Attachments				
3	MS-3020						
D-A	H-04984		1-ISI-MS-10				
D1.20	MS-H-1394-ATT		Welded Attachments				
3	MS-3020						
D-A	H-05454		1-ISI-SW-10				
D1.20	SW-H-0036-ATT		Welded Attachments				
3	SW-4060						
D-A	H-05461		1-ISI-SW-48				
D1.20	SW-H-0042-ATT		Welded Attachments				
3	SW-4060						
D-A	H-05468	ISI / VT	1-ISI-SW-12		s		
D1.20	SW-H-0056-ATT		Welded Attachments				
3	SW-4060						
D-A	H-05473		1-ISI-SW-13				
D1.20	SW-H-0063-ATT		Welded Attachment				
3	SW-4060						
D-A	H-05475	ISI / VT	1-ISI-SW-13	s			
D1.20	SW-H-0064-ATT		Welded Attachments				
3	SW-4060		<No Code Case				
D-A	H-05481	ISI / VT	1-ISI-SW-13	s			
D1.20	SW-H-0072-ATT		Welded Attachments				
3	SW-4060		<No Code Case				
D-A	H-05483	ISI / VT	1-ISI-SW-13	s			
D1.20	SW-H-0073-ATT		Welded Attachments				
3	SW-4060		<No Code Case				
D-A	H-05490	ISI / VT	1-ISI-SW-16		s		
D1.20	SW-H-0102-ATT		Welded Attachment				
3	SW-4060		<No Code Case				
D-A	H-05493	ISI / VT	1-ISI-SW-16		s		
D1.20	SW-H-0106-ATT		Welded Attachments				
3	SW-4060		<No Code Case				

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				1	2	3	
D-A D1.20 3	H-05497 SW-H-0111-ATT SW-4060	ISI / VT	1-ISI-SW-16 Welded Attachments <No Code Case	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
D-A D1.20 3	H-05500 SW-H-0114-ATT SW-4060	ISI / VT	1-ISI-SW-17 Welded Attachments <No Code Case	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-05502 SW-H-0115-ATT SW-4060	ISI / VT	1-ISI-SW-17 Welded Attachments <No Code Case	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
D-A D1.20 3	H-05550 SW-H-0419-ATT SW-4060	ISI / VT	1-ISI-SW-4 Welded Attachments <No Code Case	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
D-A D1.20 3	H-05566 SW-H-0440-ATT SW-4060		1-ISI-SW-43 S01 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-05575 SW-H-0449-ATT SW-4060		1-ISI-SW-1 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-05600 SW-H-0492-ATT SW-4060		1-ISI-SW-44 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-05602 SW-H-0493-ATT SW-4060		1-ISI-SW-44 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-05615 SW-H-0507-ATT SW-4060		1-ISI-SW-48 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-05624 SW-H-0515-ATT SW-4060		1-ISI-SW-48 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-05655 SW-H-0558-ATT SW-4060		1-ISI-SW-30 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-05668 SW-H-0620-ATT SW-4060		1-ISI-SW-15 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-05678 SW-H-0798-ATT SW-4060		1-ISI-SW-112 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
D-A D1.20 3	H-05704 SW-H-1236-ATT SW-4060		1-ISI-SW-1 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-05711 SW-H-1242-ATT SW-4060		1-ISI-SW-1 Welded Attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-05713 SW-H-1243-ATT SW-4060		1-ISI-SW-43 S02 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-05738 SW-H-1289-ATT SW-4060		1-ISI-SW-57 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-05740 SW-H-1290-ATT SW-4060		1-ISI-SW-57 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-05750 SW-H-1300-ATT SW-4060		1-ISI-SW-57 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-05757 SW-H-1306-ATT SW-4060		1-ISI-SW-72 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-05770 SW-H-1343-ATT SW-4060		1-ISI-SW-9 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-05790 SW-H-1422-ATT SW-4060		1-ISI-SW-11 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-05794 SW-H-1451-ATT SW-4060		1-ISI-SW-51 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-05800 SW-H-1502-ATT SW-4060		1-ISI-SW-62 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-05827 SW-H-1603-ATT SW-4060		1-ISI-SW-5 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-05833 SW-H-1677-ATT SW-4060		1-ISI-SW-11 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
D-A D1.20 3	H-05839 SW-H-1738-ATT SW-4060		1-ISI-SW-17 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-05841 SW-H-1739-ATT SW-4060		1-ISI-SW-17 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-05844 SW-H-1742-ATT SW-4060		1-ISI-SW-17 Welded Attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-05851 SW-H-1871-ATT SW-4060	ISI / VT	1-ISI-SW-30 Welded Attachments <No Code Case	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
D-A D1.20 3	H-05853 SW-H-1872-ATT SW-4060		1-ISI-SW-63 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-05856 SW-H-2080-ATT SW-4060		1-ISI-SW-110 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-05860 SW-H-2100-ATT SW-4060		1-ISI-SW-63 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-05868 SW-H-2107-ATT SW-4060		1-ISI-SW-63 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-05880 SW-H-2123-ATT SW-4060		1-ISI-SW-82 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-05885 SW-H-2131-ATT SW-4060		1-ISI-SW-82 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-05887 SW-H-2132-ATT SW-4060		1-ISI-SW-82 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-05895 SW-H-2144-ATT SW-4060		1-ISI-SW-51 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-05898 SW-H-2177-ATT SW-4060		1-ISI-SW-4 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
D-A D1.20 3	H-05904 SW-H-2297-ATT SW-4060		1-ISI-SW-16 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-05907 SW-H-2302-ATT SW-4060		1-ISI-SW-30 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-05910 SW-H-2334-ATT SW-4060		1-ISI-SW-51 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-05934 SW-H-2667-ATT SW-4060		1-ISI-SW-4 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-05948 SW-H-2749-ATT SW-4060		1-ISI-SW-42 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-05962 SW-H-2911-ATT SW-4060		1-ISI-SW-43 S01 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-09893 SW-H-2083-ATT SW-4065		1-ISI-SW-44 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-09902 CC-H-1836-ATT CC-4080		1-ISI-CC-22 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-09925 CH-H-1785-ATT CH-4085		1-ISI-CH-37 Welded Attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-09927 CX-H-1544-ATT CH-4085		1-ISI-CX-47 Welded Attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-09929 CX-H-1906-ATT CH-4085		1-ISI-CX-40 Welded Attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-09931 CX-H-2402-ATT CH-4085		1-ISI-CX-39 Welded Attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-09933 CX-H-2403-ATT CH-4085		1-ISI-CX-39 Welded Attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
D-A D1.20 3	H-09935 CX-H-2404-ATT CH-4085		1-ISI-CX-39 Welded Attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-09937 CX-H-2322-ATT CH-4085		1-ISI-CX-48 Welded Attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-09939 CX-H-2324-ATT CH-4085		1-ISI-CX-48 Welded Attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-10524 CC-H-1590-ATT CC-4080		1-ISI-CC-21 Welded Attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-10525 CX-H-1751-ATT CX-4085		1-ISI-CX-27 Welded Attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-10526 SW-H-2727-ATT SW-4065		1-ISI-SW-15 Welded Attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-10527 MS-H-0418-ATT MS-3020		1-ISI-MS-10 Welded Attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-10528 MS-H-0420-ATT MS-3020		1-ISI-MS-10 Welded Attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-10529 CC-H-1372-ATT CC-4080		1-ISI-CC-67 Welded Attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.20 3	H-10550 CH-H-1781-ATT CH-4085		1-ISI-CH-37 Welded Attachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D-A D1.30 3	H-10704 II-ESWP-1A-H-004-ATT SW-4060		1-ISI-ESWP-1 Welded Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Refer to detail "A" on drawing 1364-7370 and perform VT-1 on saddle plate welds (4) sides at (3) locations (ESWP-1B-H-002,003,and 004 and ESWP-1A-H-002,003,and 004

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
D-A D1.30 3	H-10705 II-ESWP-1A-H-002-ATT SW-4060		1-ISI-ESWP-1 Welded Attachments				Refer to detail "A" on drawing 1364-7370 and perform VT-1 on saddle plate welds (4) sides at (3) locations (ESWP-1B-H-002,003,and 004 and ESWP-1A-H-002,003,and 004.
D-A D1.30 3	H-10706 II-ESWP-1A-H-003-ATT SW-4060		1-ISI-ESWP-1 Welded Attachments				Refer to detail "A" on drawing 1364-7370 and perform VT-1 on saddle plate welds (4) sides at (3) locations (ESWP-1B-H-002,003,and 004 and ESWP-1A-H-002,003,and 004.
		ISI / VT					
D-A D1.30 3	H-10709 II-ESWP-1B-H-004-ATT SW-4060		1-ISI-ESWP-1 Welded Attachments			s	Refer to detail "A" on drawing 1364-7370 and perform VT-1 on saddle plate welds (4) sides at (3) locations (ESWP-1B-H-002,003,and 004 and ESWP-1A-H-002,003,and 004.
D-A D1.30 3	H-10710 II-ESWP-1B-H-002-ATT SW-4060		1-ISI-ESWP-1 Welded Attachments				Refer to detail "A" on drawing 1364-7370 and perform VT-1 on saddle plate welds (4) sides at (3) locations (ESWP-1B-H-002,003,and 004 and ESWP-1A-H-002,003,and 004.
		ISI / VT					
D-A D1.30 3	H-10711 II-ESWP-1B-H-003-ATT SW-4060		1-ISI-ESWP-1 Welded Attachments <No Code Case			s	Refer to detail "A" on drawing 1364-7370 and perform VT-1 on saddle plate welds (4) sides at (3) locations (ESWP-1B-H-002,003,and 004 and ESWP-1A-H-002,003,and 004.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	

# Category E-A

# Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
		ISI / VT					
E-A	100100		CAR-2165-G-011 Containment Liner Plate Shell 0-90, El. 221' to El. 376'	s	b	b	All accessible surfaces of the containment liner plate within the boundary of this examination area are required to be examined, including coated and uncoated surfaces of the shell plate, attachments, and penetrations (mechanical, electrical, and spares). Includes surface areas accessible between azimuths 0° and 90°, from Elevations 221.00', 236.00', 261.00', and 286.00' (as shown on drawings CAR-2165-G-011, -012, and -013). Recommend this examination be performed in conjunction with the penetrations within this zone. All EA exams are to be scheduled during any refueling outage in which a 10CFR50 Appendix J Type A test is scheduled. For HNP this test is scheduled for H124 (fall 2022). See also Technical Specification 4.6.1.6.1.
E1.11	LC-0/90 8020 - Containment Liner and Penetrations						
MC		ISI / VT					
E-A	100200		CAR-2165-G-011 Containment Liner Plate Shell 90-180, El. 221' to El. 376'	s	b	b	All accessible surfaces of the containment liner plate within the boundary of this examination area are required to be examined, including coated and uncoated surfaces of the shell plate, attachments, penetrations (mechanical, electrical, and spares), Fuel Transfer Tube, and Emergency Personnel Air Lock. Includes surface areas accessible between azimuths 90° and 180°, from Elevations 221.00', 236.00', 261.00', and 286.00' (as shown on drawings CAR-2165-G-011, -012, and -013). All EA exams are to be scheduled during any refueling outage in which a 10CFR50 Appendix J Type A test is scheduled. For HNP this test is scheduled for H124 (fall 2022). See also Technical Specification 4.6.1.6.1.
E1.11	LC-90/180 8020 - Containment Liner and Penetrations						
MC							

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
		ISI / VT					
E-A	100300		CAR-2165-G-011 Containment Liner Plate Shell 180-270, El. 221' to El. 376'	s	b	b	All accessible surfaces of the containment liner plate within the boundary of this examination area are required to be examined, including coated and uncoated surfaces of the shell plate, attachments, and penetrations (mechanical, electrical, and spares). Includes surface areas accessible between azimuths 180° and 270°, from Elevations 221.00', 236.00', 261.00', and 286.00' (as shown on drawings CAR-2165-G-011, -012, and -013). All EA exams are to be scheduled during any refueling outage in which a 10CFR50 Appendix J Type A test is scheduled. For HNP this test is scheduled for H124 (fall 2022). See also Technical Specification 4.6.1.6.1.
E1.11	LC-180/270						
MC	8020 - Containment Liner and Penetrations						
		ISI / VT					
E-A	100400		CAR-2165-G-011 Containment Liner Plate Shell 270-360, El. 221' to El. 376'	s	b	b	All accessible surfaces of the containment liner plate within the boundary of this examination area are required to be examined, including coated and uncoated surfaces of the shell plate, attachments, penetrations (mechanical, electrical, and spares), Equipment Hatch, and Personnel Air Lock. Includes surface areas accessible between azimuths 270° and 360°, from Elevations 221.00', 236.00', 261.00', and 286.00' (as shown on drawings CAR-2165-G-011, -012, and -013). All EA exams are to be scheduled during any refueling outage in which a 10CFR50 Appendix J Type A test is scheduled. For HNP this test is scheduled for H124 (fall 2022). See also Technical Specification 4.6.1.6.1.
E1.11	LC-270/360						
MC	8020 - Containment Liner and Penetrations						

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
		ISI / VT					
E-A	100500		CAR-2168-G-253SO5 Containment Liner Plate Dome, El. 376' to Top of Dome - 0°-180°	s	b	b	All accessible surfaces within the boundary of this examination area are required to be examined, including coated and uncoated including surfaces of the shell plate, attachments, and sealed penetrations in the containment dome liner plate. Includes surface areas between azimuths 0° and 180°, from Elevation 376.00' to Top of Dome (as shown on drawing CAR-2168-G-253SO5). Exam shall include; 12" Dome Penetration @Center of Dome; 12" Dome Penetration @24°-55'; 12" Dome Penetration @62°-55'; 12" Dome Penetration @106°-50'; 12" Dome Penetration @144°-55'. All EA exams are to be scheduled during any refueling outage in which a 10CFR50 Appendix J Type A test is scheduled. For HNP this test is scheduled for H124 (fall 2022. See also Technical Specification 4.6.1.6.1.
E1.11	LD-0/180						
MC	8020 - Containment Liner and Penetrations						
		ISI / VT					
E-A	100600		CAR-2168-G-253SO5 Containment Liner Plate Dome, El. 376' to Top of Dome - 180°-360°	s	b	b	All accessible surfaces within the boundary of this examination area are required to be examined, including coated and uncoated including surfaces of the shell plate, attachments, and sealed penetrations in the containment dome liner plate. Includes surface areas between azimuths 180° and 360°, from Elevation 376.00' to Top of Dome (as shown on drawing CAR-2168-G-253SO5). Exam shall include; 12" Dome Penetration @185°-50'; 12" Dome Penetration @229°-45'; 12" Dome Penetration @264°-55'; 12" Dome Penetration @308°-45'; 12" Dome Penetration @346°-50'. All EA exams are to be scheduled during any refueling outage in which a 10CFR50 Appendix J Type A test is scheduled. For HNP this test is scheduled for H124 (fall 2022. See also Technical Specification 4.6.1.6.1.
E1.11	LD-180/360						
MC	8020 - Containment Liner and Penetrations						
		ISI / VT					
E-A	300000		CAR 2165-G-0064 Sleeve (56") S-1 - Mech. Pen. M-1	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E1.11	S-1						
MC	8020 - Containment Liner and Penetrations						

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
E-A E1.11 MC	300100 S-2 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (56") S-2 - Mech. Pen. M-2	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	300200 S-3 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (56") S-3 - Mech. Pen. M-3	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	300300 S-4 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (30") S-4 - Mech. Pen. M-4	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	300400 S-5 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (30") S-5 - Mech. Pen. M-5	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	300500 S-6 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (30") S-6 - Mech. Pen. M-6	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
E-A E1.11 MC	300600 S-7 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-7 - Mech. Pen. M-7	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	300700 S-8 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-8 - Mech. Pen. M-8	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	300800 S-9 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-9 - Mech. Pen. M-9	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	300900 S-10 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-10 - Mech. Pen. M-10	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	301000 S-11 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-11 - Mech. Pen. M-11	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.



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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
E-A E1.11 MC	301100 S-12 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-12 - Mech. Pen. M-12	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	301200 S-13 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (18") S-13 - Mech. Pen. M-13	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	301300 S-14 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (18") S-14 - Mech. Pen. M-14	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	301400 S-15 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (18") S-15 - Mech. Pen. M-15	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	301500 S-16 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (18") S-16 - Mech. Pen. M-16	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
E-A E1.11 MC	301600 S-17 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-17 - Mech. Pen. M-17	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	301700 S-18 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (18") S-18 - Mech. Pen. M-18	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	301800 S-19 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-19 - Spare	s	b	b	Includes examination of all accessible surfaces on the inside of containment including the exposed, accessible surfaces of the sleeve and pipe cap. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	301900 S-20 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-20 - Mech. Pen. M-20	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	302000 S-21 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-21 - Mech. Pen. M-21	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
E-A E1.11 MC	302100 S-22 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-22 - Mech. Pen. M-22	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	302200 S-23 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (12") S-23 - Mech. Pen. M-23	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	302300 S-24 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (12") S-24 - Mech. Pen. M-24	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	302400 S-25 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (12") S-25 - Mech. Pen. M-25	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	302500 S-26 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (12") S-26 - Mech. Pen. M-26	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
E-A E1.11 MC	302600 S-27 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (12") S-27 - Mech. Pen. M-27	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	302700 S-28 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (12") S-28 - Mech. Pen. M-28	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	302800 S-29 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (12") S-29 - Mech. Pen. M-29	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	302900 S-30 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (12") S-30 - Mech. Pen. M-30	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	303000 S-31 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (12") S-31 - Mech. Pen. M-31	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
E-A E1.11 MC	303100 S-32 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (12") S-32 - Mech. Pen. M-32	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	303200 S-33 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-33 - Mech. Pen. M-33	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	303300 S-34 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-34 - Mech. Pen. M-34	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	303400 S-35 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-35 - Mech. Pen. M-35	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	303500 S-36 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-36 - Mech. Pen. M-36	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
E-A E1.11 MC	303600 S-37 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-37 - Mech. Pen. M-37	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	303700 S-38 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-38 - Mech. Pen. M-38	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	303800 S-39 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-39 - Mech. Pen. M-39	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	303900 S-40 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-40 - Mech. Pen. M-40	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	304000 S-41 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-41 - Mech. Pen. M-41	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
E-A E1.11 MC	304100 S-42 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-42 - Mech. Pen. M-42	s	b	b	Includes examination of all accessible surfaces on the inside of containment, from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	304200 S-43 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-43 - Spare	s	b	b	Includes examination of all accessible surfaces on the inside of containment including the exposed, accessible surfaces of the sleeve and pipe cap. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	304300 S-44 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-44 - Mech. Pen. M-44	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	304400 S-45 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-45 - Mech. Pen. M-45	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	304500 S-46 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-46 - Spare	s	b	b	Includes examination of all accessible surfaces on the inside of containment, including the exposed accessible surfaces of the sleeve and pipe cap. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
E-A	304675	ISI / VT	1364-4306 Con't Spray Valve Chamber 1A-SA Elect. Pen.	s	b	b	All accessible surfaces of the valve chamber electrical penetration sleeve, flanges, and bolting shall be examined. See drawing 1364-4306 for Electrical Penetrations S-VC-1, 2, 3, 4. See drawing CAR-2168-G-011 for location.
E1.11	S-VC1						
MC	8020 - Containment Liner and Penetrations						
E-A	304676	ISI / VT	1364-1874 Con't Spray Valve Chamber 1A-SA (S-49) and Manway	s	b	b	All accessible surfaces of the exterior of the valve chamber, penetrations, and manway are required to be examined. See drawing 1364-4306 for S-VC-1, 2, 3, 4. See drawing CAR-2168-G-011 for location.
E1.11	S-VC1						
MC	8020 - Containment Liner and Penetrations						
E-A	304775	ISI / VT	1364-4306 Con't Spray Valve Chamber 1B-SB Elect. Pen.	s	b	b	All accessible surfaces of the valve chamber electrical penetration sleeve, flanges, and bolting shall be examined. See drawing 1364-4306 for Electrical Penetrations S-VC-1, 2, 3, 4. See drawing CAR-2168-G-011 for location.
E1.11	S-VC2						
MC	8020 - Containment Liner and Penetrations						
E-A	304776	ISI / VT	1364-1874 Con't Spray Valve Chamber 1B-SB (S-50) and Manway	s	b	b	All accessible surfaces of the exterior of the valve chamber, penetrations, and manway are required to be examined. See drawing 1364-4306 for Penetrations S-VC-1, 2, 3, 4. See drawing CAR-2168-G-011 for location.
E1.11	S-VC2						
MC	8020 - Containment Liner and Penetrations						
E-A	304875	ISI / VT	1364-4306 Recirculating Valve Chamber 1A-SA Elect. Pen.	s	b	b	All accessible surfaces of the valve chamber electrical penetration sleeve, flanges, and bolting shall be examined. See drawing 1364-4306 for Electrical Penetrations S-VC-1, 2, 3, 4. See drawing CAR-2168-G-011 for location.
E1.11	S-VC3						
MC	8020 - Containment Liner and Penetrations						



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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
E-A	304876	ISI / VT	1364-1874 Recirculating Valve Chamber 1A-SA (S-47) and Manway	s	b	b	All accessible surfaces of the exterior of the valve chamber, penetrations, and manway are required to be examined. See drawing 1364-4306 for S-VC-1, 2, 3, 4. See drawing CAR-2168-G-011 for location.
E1.11	S-VC3						
MC	8020 - Containment Liner and Penetrations						
E-A	304975	ISI / VT	1364-4306 Recirculating Valve Chamber 1B-SB Elect. Pen.	s	b	b	All accessible surfaces of the valve chamber electrical penetration sleeve, flanges, and bolting shall be examined. See drawing 1364-4306 for Electrical Penetrations S-VC-1, 2, 3, 4. See drawing CAR-2168-G-011 for location.
E1.11	S-VC4						
MC	8020 - Containment Liner and Penetrations						
E-A	304976	ISI / VT	1364-1874 Recirculating Valve Chamber 1B-SB (S-48) and Manway	s	b	b	All accessible surfaces of the exterior of the valve chamber, penetrations, and manway are required to be examined. See drawing 1364-4306 for S-VC-1, 2, 3, 4. See drawing CAR-2168-G-011 for location.
E1.11	S-VC4						
MC	8020 - Containment Liner and Penetrations						
E-A	305000	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-51 - Mech. Pen. M-51	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E1.11	S-51						
MC	8020 - Containment Liner and Penetrations						
E-A	305100	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-52 - Mech. Pen. M-52	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E1.11	S-52						
MC	8020 - Containment Liner and Penetrations						

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
E-A E1.11 MC	305200 S-53 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-53 - Mech. Pen. M-53	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	305300 S-54 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-54 - Mech. Pen. M-54	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	305400 S-55 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-55 - Mech. Pen. M-55	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	305500 S-56 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-56 - Mech. Pen. M-56	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	305600 S-57 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (48") S-57 - Mech. Pen. M-57	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See Drawings CAR-2165 G-115 and CAR-2168 G-231 details of penetrations, M57, 58, 59, 61, 63, and 98. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
E-A E1.11 MC	305700 S-58 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (48") S-58 - Mech. Pen. M-58	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing details CAR-2165 G-115 and CAR-2168 G-231 of penetrations M57, 58, 59, 61, 63 and 98. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	305800 S-59 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (24") S-59 - Mech. Pen. M-59	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing details CAR-2165 G-115 and CAR-2168 G-231 of penetrations M57, 58, 59, 61, 63 and 98. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	305900 S-60 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (18") S-60 - Spare	s	b	b	Includes examination of all accessible surfaces on the inside of containment including the exposed, accessible surfaces of the sleeve and pipe cap. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	306000 S-61 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-61 - Mech. Pen. M-61	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing details CAR-2165 G-115 and CAR-2168 G-231 of penetrations M57, 58, 59, 61, 63 and 98. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	306100 S-62 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-62 - Mech. Pen. M-62	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
E-A E1.11 MC	306200 S-63 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (18") S-63 - Mech. Pen. M-63	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing details CAR-2165 G-115 and CAR-2168 G-231 of penetrations M57, 58, 59, 61, 63 and 98. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	306300 S-64 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (18") S-64 - Spare	s	b	b	Includes examination of all accessible surfaces on the inside of containment, including the exposed accessible surfaces of the sleeve and pipe cap. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	306400 S-65 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Fuel Transfer Tube Sleeve (26") S-65 - Mech. Pen. M-65	s	b	b	Includes examination of all accessible surfaces of the fuel transfer tube piping, bolting, and flanges inside the refueling canal.
E-A E1.11 MC	306500 S-66 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Refueling Access Sleeve (10") S-66 - Mech. Pen. M-66	s	b	b	Includes examination of all accessible surfaces of the penetration inside of containment, including penetration sleeve, flanges, and bolting. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	306600 S-67 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-67 - Spare	s	b	b	Includes examination of all accessible surfaces on the inside of containment, including the exposed accessible surfaces of the sleeve and pipe cap. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
E-A E1.11 MC	306700 S-68 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-68 - Spare	s	b	b	Includes examination of all accessible surfaces on the inside of containment, including the exposed accessible surfaces of the sleeve and pipe cap. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	306800 S-69 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-69 - Mech. Pen. M-69	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	306900 S-70 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-70 - Mech. Pen. M-70	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	307000 S-71 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-71 - Mech. Pen. M-71	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	307100 S-72 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-72 - Mech. Pen. M-72	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
E-A	307200	ISI / VT	CAR 2165-G-0064	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E1.11	S-73		Sleeve (10") S-73 - Mech. Pen. M-73A & 73B				
MC	8020 - Containment Liner and Penetrations						
E-A	307300	ISI / VT	CAR 2165-G-0064	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E1.11	S-74		Sleeve (10") S-74 - Mech. Pen. M-74				
MC	8020 - Containment Liner and Penetrations						
E-A	307400	ISI / VT	CAR 2165-G-0064	s	b	b	Includes examination of all accessible surfaces on the inside of containment including the exposed, accessible surfaces of the sleeve and pipe cap. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E1.11	S-75		Sleeve (10") S-75 - Spare				
MC	8020 - Containment Liner and Penetrations						
E-A	307500	ISI / VT	CAR 2165-G-0064	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E1.11	S-76		Sleeve (10") S-76 - Mech. Pen. M-76A & 76B				
MC	8020 - Containment Liner and Penetrations						
E-A	307600	ISI / VT	CAR 2165-G-0064	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E1.11	S-77		Sleeve (10") S-77 - Mech. Pen. M-77A, 77B & 77C				
MC	8020 - Containment Liner and Penetrations						

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				1	2	3	
E-A	307700	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-78 - Mech. Pen. M-78A, 78B, 78C & 78D	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E1.11	S-78						
MC	8020 - Containment Liner and Penetrations						
E-A	307800	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-79 - Mech. Pen. M-79	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E1.11	S-79						
MC	8020 - Containment Liner and Penetrations						
E-A	307900	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-80 - Mech. Pen. M-80	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E1.11	S-80						
MC	8020 - Containment Liner and Penetrations						
E-A	308000	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-81 - Spare	s	b	b	Includes examination of all accessible surfaces on the inside of containment, including the exposed accessible surfaces of the sleeve and pipe cap. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E1.11	S-81						
MC	8020 - Containment Liner and Penetrations						
E-A	308100	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-82 - Spare	s	b	b	Includes examination of all accessible surfaces on the inside of containment, including the exposed accessible surfaces of the sleeve and pipe cap. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E1.11	S-82						
MC	8020 - Containment Liner and Penetrations						

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				1	2	3	
E-A	308200	ISI / VT	CAR 2165-G-0064	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E1.11	S-83		Sleeve (10") S-83 - Mech. Pen. M-83A & 83B				
MC	8020 - Containment Liner and Penetrations						
E-A	308300	ISI / VT	CAR 2165-G-0064	s	b	b	Includes examination of all accessible surfaces on the inside of containment, including the exposed accessible surfaces of the sleeve and pipe cap. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E1.11	S-84		Sleeve (10") S-84 - Spare				
MC	8020 - Containment Liner and Penetrations						
E-A	308400	ISI / VT	CAR 2165-G-0064	s	b	b	Includes examination of all accessible surfaces on the inside of containment, including the exposed accessible surfaces of the sleeve and pipe cap. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E1.11	S-85		Sleeve (10") S-85 - Spare				
MC	8020 - Containment Liner and Penetrations						
E-A	308500	ISI / VT	CAR 2165-G-0064	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E1.11	S-86		Sleeve (10") S-86 - Mech. Pen. M-86A & 86B				
MC	8020 - Containment Liner and Penetrations						
E-A	308600	ISI / VT	CAR 2165-G-0064	s	b	b	Includes examination of all accessible surfaces on the inside of containment, including the exposed accessible surfaces of the sleeve and pipe cap. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E1.11	S-87		Sleeve (10") S-87 - Spare				
MC	8020 - Containment Liner and Penetrations						



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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
E-A E1.11 MC	308700 S-88 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-88 - Mech. Pen. M-88	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	308800 S-89 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-89 - Spare	s	b	b	Includes examination of all accessible surfaces on the inside of containment, including the exposed accessible surfaces of the sleeve and pipe cap. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	308900 S-90 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-90 - Mech. Pen. M-90	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	309000 S-91 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (18") S-91 - Mech. Pen. M-91	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	310000 S-92 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (18") S-92 - Mech. Pen. M-92	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
E-A E1.11 MC	310100 S-93 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (12") S-93 - Spare	s	b	b	Includes examination of all accessible surfaces on the inside of containment, including the exposed accessible surfaces of the sleeve and pipe cap. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	310200 S-94 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (12") S-94 - Mech. Pen. M-94A, 94B & 94C	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	310300 S-95 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (12") S-95 - Mech. Pen. M-95A, 95B & 95C	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	310400 S-96 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (12") S-96 - Mech. Pen. M-96	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	310500 S-97 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (12") S-97 - Spare	s	b	b	Includes examination of all accessible surfaces on the inside of containment, including the exposed accessible surfaces of the sleeve and pipe cap. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
		ISI / VT					
E-A E1.11 MC	310600 S-98 8020 - Containment Liner and Penetrations		CAR 2165-G-0064 Sleeve (24") S-98 - Mech. Pen. M-98	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing details CAR-2165 G-115 and CAR-2168 G-231 of penetrations M57, 58, 59, 61, 63 and 98. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
		ISI / VT					
E-A E1.11 MC	310700 S-99 8020 - Containment Liner and Penetrations		CAR 2165-G-0064 Sleeve (18") S-99 - Spare	s	b	b	Includes examination of all accessible surfaces on the inside of containment, including the exposed accessible surfaces of the sleeve and pipe cap. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
		ISI / VT					
E-A E1.11 MC	310800 S-100 8020 - Containment Liner and Penetrations		CAR 2165-G-0064 Sleeve (10") S-100 - Spare	s	b	b	Includes examination of all accessible surfaces on the inside of containment, including the exposed accessible surfaces of the sleeve and pipe cap. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
		ISI / VT					
E-A E1.11 MC	310900 S-101 8020 - Containment Liner and Penetrations		CAR 2165-G-0064 Sleeve (18") S-101 - Spare	s	b	b	Includes examination of all accessible surfaces on the inside of containment, including the exposed accessible surfaces of the sleeve and pipe cap. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
		ISI / VT					
E-A E1.11 MC	311000 S-102 8020 - Containment Liner and Penetrations		CAR 2165-G-0064 ReFueling Access Sleeve (18") S-102 - Mech. Pen. M-102	s	b	b	Includes examination of all accessible surfaces of the penetration inside of containment, including penetration sleeve, flanges, and bolting. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
E-A	311100	ISI / VT	CAR 2165-G-0064 Sleeve (18") S-103 - Mech. Pen. M-103A, 103B & 103C	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E1.11	S-103						
MC	8020 - Containment Liner and Penetrations						
E-A	311200	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-104 - Spare	s	b	b	Includes examination of all accessible surfaces on the inside of containment, including the exposed accessible surfaces of the sleeve and pipe cap. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E1.11	S-104						
MC	8020 - Containment Liner and Penetrations						
E-A	311300	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-105 - Mech. Pen. M-105	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E1.11	S-105						
MC	8020 - Containment Liner and Penetrations						
E-A	311400	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-106 - Spare	s	b	b	Includes examination of all accessible surfaces on the inside of containment, including the exposed accessible surfaces of the sleeve and pipe cap. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E1.11	S-106						
MC	8020 - Containment Liner and Penetrations						
E-A	311500	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-107 - Mech. Pen. M107A, 107B & 107C	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E1.11	S-107						
MC	8020 - Containment Liner and Penetrations						

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
E-A E1.11 MC	311600 S-108 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-108 - Mech. Pen. M108	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	311700 S-109 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-109 - Mech. Pen. M109	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	311800 S-110 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Sleeve (10") S-110 - Mech. Pen. M-110	s	b	b	Includes examination of all accessible surfaces on the inside of containment from the containment liner plate to the O.D. of the process pipe. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	311900 S-150 8020 - Containment Liner and Penetrations	ISI / VT	1364-1902 Equipment Hatch Sleeve (24') S-150 (Exterior Side of Hatch Cover)	s	b	b	Includes examination of all accessible surfaces of the Equipment Hatch sleeve, cover, and flanges visible from the outside of containment. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	311901 S-150 8020 - Containment Liner and Penetrations	ISI / VT	1364-1902 Equipment Hatch Sleeve (24') S-150 (Containment Interior Side)	s	b	b	Includes examination of all accessible surfaces of the Equipment Hatch sleeves, cover, flanges and latch bolting visible from inside of containment. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
E-A	312000	ISI / VT	1364-13386 Personnel Air lock Sleeve (9') S-151 - Mech. Pen. M-151	s	b	b	Includes examination of all accessible surfaces on both sides of the Personnel Air Lock shell, both sides of each bulkhead, both sides of each door, and accessible surfaces of all mechanical and electrical penetrations. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E1.11	S-151						
MC	8020 - Containment Liner and Penetrations						
E-A	312100	ISI / VT	1364-2330 Emergency Air Lock Sleeve (5') S-152 - Mech. Pen. M-152	s	b	b	Includes examination of all accessible surfaces on both sides of the Emergency Personnel Air Lock shell, both sides of each bulkhead, both sides of each door, and accessible surfaces of all mechanical and electrical penetrations. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E1.11	S-152						
MC	8020 - Containment Liner and Penetrations						
E-A	400000	ISI / VT	CAR-1364-4305 Sleeve (12") S-201 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E1.11	S-201						
MC	8020 - Containment Liner and Penetrations						
E-A	400100	ISI / VT	CAR-1364-4305 Sleeve (12") S-202 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E1.11	S-202						
MC	8020 - Containment Liner and Penetrations						
E-A	400200	ISI / VT	CAR-1364-4305 Sleeve (12") S-203 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E1.11	S-203						

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
MC	8020 - Containment Liner and Penetrations	ISI / VT					
E-A E1.11	400300 S-204 8020 - Containment Liner and Penetrations		CAR-1364-4305 Sleeve (12") S-204 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
MC	8020 - Containment Liner and Penetrations	ISI / VT					
E-A E1.11	400400 S-205 8020 - Containment Liner and Penetrations		CAR-1364-4305 Sleeve (12") S-205 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
MC	8020 - Containment Liner and Penetrations	ISI / VT					
E-A E1.11	400500 S-206 8020 - Containment Liner and Penetrations		CAR-1364-4305 Sleeve (12") S-206 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
MC	8020 - Containment Liner and Penetrations	ISI / VT					
E-A E1.11	400600 S-207 8020 - Containment Liner and Penetrations		CAR-1364-4305 Sleeve (12") S-207 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
MC	8020 - Containment Liner and Penetrations	ISI / VT					
E-A E1.11	400700 S-208 8020 - Containment Liner and Penetrations		CAR-1364-4305 Sleeve (12") S-208 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
MC	8020 - Containment Liner and Penetrations	ISI / VT					
E-A E1.11	400800 S-209 8020 - Containment Liner and Penetrations		CAR-1364-4305 Sleeve (12") S-209 - Elect. Pen	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
MC	8020 - Containment Liner and Penetrations	ISI / VT					
E-A E1.11	400900 S-210 8020 - Containment Liner and Penetrations		CAR-1364-4305 Sleeve (12") S-210 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
MC	8020 - Containment Liner and Penetrations	ISI / VT					
E-A E1.11	401000 S-211 8020 - Containment Liner and Penetrations		CAR-1364-4305 Sleeve (12") S-211 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
MC	8020 - Containment Liner and Penetrations	ISI / VT					
E-A E1.11	401100 S-212 8020 - Containment Liner and Penetrations		CAR-1364-4305 Sleeve (12") S-212 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
MC	8020 - Containment Liner and Penetrations	ISI / VT					
E-A E1.11	401200 S-213 8020 - Containment Liner and Penetrations		CAR-1364-4305 Sleeve (12") S-213 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.



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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
MC	8020 - Containment Liner and Penetrations	ISI / VT					
E-A	401300		CAR-1364-4305	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E1.11	S-214		Sleeve (12") S-214 - Elect. Pen.				
MC	8020 - Containment Liner and Penetrations	ISI / VT					
E-A	401400		CAR-1364-4305	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E1.11	S-215		Sleeve (12") S-215 - Elect. Pen.				
MC	8020 - Containment Liner and Penetrations	ISI / VT					
E-A	401500		CAR-1364-4305	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E1.11	S-216		Sleeve (12") S-216 - Elect. Pen.				
MC	8020 - Containment Liner and Penetrations	ISI / VT					
E-A	401600		CAR-1364-4304	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. Must remove enclosure box cover to access bolted connection. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E1.11	S-217		Sleeve (24") S-217 - Elect. Pen.				
MC	8020 - Containment Liner and Penetrations	ISI / VT					

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				1	2	3	
		ISI / VT					
E-A E1.11 MC	401700 S-218 8020 - Containment Liner and Penetrations		CAR-1364-4304 Sleeve (24") S-218 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. Must remove enclosure box cover to access bolted connection. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
		ISI / VT					
E-A E1.11 MC	401800 S-219 8020 - Containment Liner and Penetrations		CAR-1364-4305 Sleeve (12") S-219 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
		ISI / VT					
E-A E1.11 MC	401900 S-220 8020 - Containment Liner and Penetrations		CAR-1364-4305 Sleeve (12") S-220 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
		ISI / VT					
E-A E1.11 MC	402000 S-221 8020 - Containment Liner and Penetrations		CAR-1364-4305 Sleeve (12") S-221 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
E-A E1.11 MC	402100 S-222 8020 - Containment Liner and Penetrations	ISI / VT	CAR-1364-4305 Sleeve (12") S-222 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	402200 S-223 8020 - Containment Liner and Penetrations	ISI / VT	CAR-1364-4305 Sleeve (12") S-223 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	402300 S-224 8020 - Containment Liner and Penetrations	ISI / VT	CAR-1364-4305 Sleeve (12") S-224 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	402400 S-225 8020 - Containment Liner and Penetrations	ISI / VT	CAR-1364-4305 Sleeve (12") S-225 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	402500 S-226 8020 - Containment Liner and Penetrations	ISI / VT	CAR-1364-4305 Sleeve (12") S-226 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
E-A E1.11 MC	402600 S-227 8020 - Containment Liner and Penetrations	ISI / VT	CAR-1364-4305 Sleeve (12") S-227 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	402700 S-228 8020 - Containment Liner and Penetrations	ISI / VT	CAR-1364-4305 Sleeve (12") S-228 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	402800 S-229 8020 - Containment Liner and Penetrations	ISI / VT	CAR-1364-4305 Sleeve (12") S-229 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	402900 S-230 8020 - Containment Liner and Penetrations	ISI / VT	CAR-1364-4305 Sleeve (12") S-230 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	403000 S-231 8020 - Containment Liner and Penetrations	ISI / VT	CAR-1364-4304 Sleeve (24") S-231 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. Must remove enclosure box cover to access bolted connection. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
		ISI / VT					
E-A E1.11 MC	403100 S-232 8020 - Containment Liner and Penetrations		CAR-1364-4304 Sleeve (24") S-232 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. Must remove enclosure box cover to access bolted connection. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
		ISI / VT					
E-A E1.11 MC	403200 S-233 8020 - Containment Liner and Penetrations		CAR-1364-4305 Sleeve (12") S-233 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
		ISI / VT					
E-A E1.11 MC	403300 S-234 8020 - Containment Liner and Penetrations		CAR-1364-4305 Sleeve (12") S-234 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
		ISI / VT					
E-A E1.11 MC	403400 S-235 8020 - Containment Liner and Penetrations		CAR-1364-4305 Sleeve (12") S-235 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
E-A E1.11 MC	403500 S-236 8020 - Containment Liner and Penetrations	ISI / VT	CAR-1364-4305 Sleeve (12") S-236 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	403600 S-237 8020 - Containment Liner and Penetrations	ISI / VT	CAR-1364-4305 Sleeve (12") S-237 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	403700 S-238 8020 - Containment Liner and Penetrations	ISI / VT	CAR-1364-4305 Sleeve (12") S-238 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	403800 S-239 8020 - Containment Liner and Penetrations	ISI / VT	CAR-1364-4305 Sleeve (12") S-239 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	403900 S-240 8020 - Containment Liner and Penetrations	ISI / VT	CAR-1364-4305 Sleeve (12") S-240 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
E-A E1.11 MC	404000 S-241 8020 - Containment Liner and Penetrations	ISI / VT	CAR-1364-4305 Sleeve (12") S-241 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	404100 S-242 8020 - Containment Liner and Penetrations	ISI / VT	CAR-1364-4305 Sleeve (12") S-242 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	404200 S-243 8020 - Containment Liner and Penetrations	ISI / VT	CAR-1364-4305 Sleeve (12") S-243 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	404300 S-244 8020 - Containment Liner and Penetrations	ISI / VT	CAR-1364-4305 Sleeve (12") S-244 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	404400 S-245 8020 - Containment Liner and Penetrations	ISI / VT	CAR-1364-4304 Sleeve (24") S-245 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. Must remove enclosure box cover to access bolted connection. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
E-A E1.11 MC	404500 S-246 8020 - Containment Liner and Penetrations	ISI / VT	CAR-1364-4304 Sleeve (24") S-246 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. Must remove enclosure box cover to access bolted connection. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	404600 S-247 8020 - Containment Liner and Penetrations	ISI / VT	CAR-1364-4305 Sleeve (12") S-247 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	404700 S-248 8020 - Containment Liner and Penetrations	ISI / VT	CAR-1364-4305 Sleeve (12") S-248 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	404800 S-249 8020 - Containment Liner and Penetrations	ISI / VT	CAR-1364-4305 Sleeve (12") S-249 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	404900 S-250 8020 - Containment Liner and Penetrations	ISI / VT	CAR-1364-4305 Sleeve (12") S-250 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.



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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
E-A E1.11 MC	405000 S-251 8020 - Containment Liner and Penetrations	ISI / VT	CAR-1364-4305 Sleeve (12") S-251 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	405100 S-252 8020 - Containment Liner and Penetrations	ISI / VT	CAR-1364-4305 Sleeve (12") S-252 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	405200 S-253 8020 - Containment Liner and Penetrations	ISI / VT	CAR-1364-4305 Sleeve (12") S-253 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.11 MC	405300 S-254 8020 - Containment Liner and Penetrations	ISI / VT	CAR-1364-4305 Sleeve (12") S-254 - Elect. Pen.	s	b	b	Includes examination of all accessible surfaces of the electrical penetration sleeve and bulkhead (header plate) on the inside of containment, from the containment liner plate to the back side of the inboard electrical enclosure box. See drawing CAR-2168-G-229 for location. See drawing CAR-2165-G-065 for details.
E-A E1.30 MC	110000 M-0/90 8020 - Containment Liner and Penetrations	ISI / VT	CAR-2167-G-0681 Moisture Barrier Quadrant 0° to 90° Liner Shell at Embedment Zone El. 221.00'	s	b	b	Examination shall be performed to confirm the existence and acceptability of moisture barrier material installed at the base of the containment liner plate at concrete interface at Elevation 221.00', from azimuth 0° to 90°. See details on CAR-2167-G-681 detail 'Z'.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
E-A	110100	ISI / VT	CAR-2167-G-0681	s	b	b	Examination shall be performed to confirm the existence and acceptability of moisture barrier material installed at the base of the containment liner plate at concrete interface at Elevation 221.00', from azimuth 90° to 180°. See details on CAR-2167-G-681 detail 'Z'.
			Moisture Barrier Quadrant 90° to 180°Liner Shell at Embedment Zone El. 221.00'				
E1.30 MC	M-90/180 8020 - Containment Liner and Penetrations						
E-A	110200	ISI / VT	CAR-2167-G-0681	s	b	b	Examination shall be performed to confirm the existence and acceptability of moisture barrier material installed at the base of the containment liner plate at concrete interface at Elevation 221.00', from azimuth 180° to 270°. See details on CAR-2167-G-681 detail 'Z'.
			Moisture Barrier Quadrant 180° to 270°Liner Shell at Embedment Zone El. 221.00'				
E1.30 MC	M-180/270 8020 - Containment Liner and Penetrations						
E-A	110300	ISI / VT	CAR-2167-G-0681	s	b	b	Examination shall be performed to confirm the existence and acceptability of moisture barrier material installed at the base of the containment liner plate at concrete interface at Elevation 221.00', from azimuth 270° to 360°. See details on CAR-2167-G-681 detail 'Z'.
			Moisture Barrier Quadrant 270° to 360°Liner Shell at Embedment Zone El. 221.00'				
E1.30 MC	M-270/360 8020 - Containment Liner and Penetrations						

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
		ISI / VT					
E-A	110400		CAR-2167-G-0681 Moisture Barrier Quadrant 0° to 360° additional areas	s	b	b	This is a new Summary number due to AR# 2029094 task#4 NRC RIS 2016-07. This summary number is to perform any added exam on areas discovered from walkdown performed during H121 under WO 20127962. The summary number is scheduled for H122. See details on CAR-2167-G-681 detail 'Z'.
E1.30	M-0/360						
MC	8020 - Containment Liner and Penetrations						

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	

# Category E-C

# Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
E-C	100700		Placeholder				Placeholder for possible future use. No items identified at start of the 3rd Interval so this Summary number is placeholder only . Only schedule if Augmented exam is required. Perform VT-1. (1) Containment surface areas requiring augmented examinations are those identified in IWE-1240. (2) The extent of 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).
E4.11	Augmented Exams 8020 - Containment Liner and Penetrations		Augmented Containment Surfaces as Req'd				
MC		ISI / VT					
E-C	100701		CAR 2165-G-0066	s			Fuel Transfer Tube Exterior Surfaces and Liner Plate Surfaces Includes all accessible surfaces of the Containment Shell Liner Plate and Fuel Transfer Tube Surfaces Between El. 248.00' and 256.00' on Inside of Containment between coordinates F-4 and L-4 on drawing CAR-2165-G-066. This area is not considered to be readily accessible for General Visual Examination in accordance with Category E-A, Item E1.11, as defined in IWE-2310(c). Schedule in accordance with Category E-C, Item E4.11 during first Period of 3rd Interval. Access will require temporary removal of lead shielding blocks shown on drawing CAR-2165-G-014
E4.11	S-65 8020 - Containment Liner and Penetrations		Fuel Transfer Tube Sleeve (26") S-65 Exterior Surfaces and Liner Plate Surfaces				
MC							

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	

# Category E-G

# Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
		ISI / VT					
E-G	304651		1364-1874 Con't Spray Valve Chamber 1A-SA Manway Cover Bolting	s			See drawing CAR-2165-G-011 for location. Note 1. Examination shall include bolts, studs, nuts, washer, bushing, and threads in base material and flange ligaments between fastener holes. Note 2. Examination may be performed with the connection assembled and bolting in place under tension, provided the connection is not disassembled during the interval. If the bolted connection is disassembled for any reason during the interval, the examination shall be performed with the connection disassembled.
E8.10	BV-1ACT 8020 - Containment Liner and Penetrations						
MC		ISI / VT					
E-G	304652		1364-4306 Con't Spray Valve Chamber 1A-SA Elect. Pen.Bolted Connection	s			4" Electrical penetration outboard end only per Drw 1364-4306,1364-21847 and 1364-1876 section J-J. Must remove enclosure box cover item 4 on drawing 1364-21847 to access bolted connection. See drawing CAR-2165-G-011 for location. Note 1. Examination shall include bolts, studs, nuts, washer, bushing, and threads in base material and flange ligaments between fastener holes. Note 2. Examination may be performed with the connection assembled and bolting in place under tension, provided the connection is not disassembled during the interval. If the bolted connection is disassembled for any reason during the interval, the examination shall be performed with the connection disassembled.
E8.10	BV-S-VC1 8020 - Containment Liner and Penetrations						
MC							

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
		ISI / VT					
E-G	304751		1364-1874 Con't Spray Valve Chamber 1B-SB Manway Cover Bolting	s			See drawing CAR-2165-G-011 for location. Note 1. Examination shall include bolts, studs, nuts, washer, bushing, and threads in base material and flange ligaments between fastener holes. Note 2. Examination may be performed with the connection assembled and bolting in place under tension, provided the connection is not disassembled during the interval. If the bolted connection is disassembled for any reason during the interval, the examination shall be performed with the connection disassembled.
E8.10	BV-1BCT 8020 - Containment Liner and Penetrations						
MC		ISI / VT					
E-G	304752		1364-4306 Con't Spray Valve Chamber 1B-SB Elect. Pen.Bolted Connection	s			4" Electrical penetration outboard end only per Drw 1364-4306,1364-21847 and 1364-1876 section J-J. Must remove enclosure box cover item 4 on drawing 1364-21847 to access bolted connection .See drawing CAR-2165-G-011 for location. Note 1. Examination shall include bolts, studs, nuts, washer, bushing, and threads in base material and flange ligaments between fastener holes. Note 2. Examination may be performed with the connection assembled and bolting in place under tension, provided the connection is not disassembled during the interval. If the bolted connection is disassembled for any reason during the interval, the examination shall be performed with the connection disassembled.
E8.10	BV-S-VC2 8020 - Containment Liner and Penetrations						
MC							



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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
		ISI / VT					
E-G	304851		1364-1874 Recirculating Valve Chamber 1A-SA Manway Cover Bolting	s			See drawing CAR-2165-G-011 for location. Note 1. Examination shall include bolts, studs, nuts, washer, bushing, and threads in base material and flange ligaments between fastener holes. Note 2. Examination may be performed with the connection assembled and bolting in place under tension, provided the connection is not disassembled during the interval. If the bolted connection is disassembled for any reason during the interval, the examination shall be performed with the connection disassembled.
E8.10	BV-1ARHR 8020 - Containment Liner and Penetrations						
MC		ISI / VT					
E-G	304852		1364-4306 Recirculating Valve Chamber 1A-SA Elect. Pen. Bolted Connection	s			4" Electrical penetration outboard end only per Drw 1364-4306, 1364-21847 and 1364-1876 section J-J. Must remove enclosure box cover item 4 on drawing 1364-21847 to access bolted connection. See drawing CAR-2165-G-011 for location. Note 1. Examination shall include bolts, studs, nuts, washer, bushing, and threads in base material and flange ligaments between fastener holes. Note 2. Examination may be performed with the connection assembled and bolting in place under tension, provided the connection is not disassembled during the interval. If the bolted connection is disassembled for any reason during the interval, the examination shall be performed with the connection disassembled.
E8.10	BV-S-VC3 8020 - Containment Liner and Penetrations						
MC							

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
E-G	304951	ISI / VT	1364-1874 Recirculating Valve Chamber 1B-SB Manway Cover Bolting	s			See drawing CAR-2165-G-011 for location. Note 1. Examination shall include bolts, studs, nuts, washer, bushing, and threads in base material and flange ligaments between fastener holes. Note 2. Examination may be performed with the connection assembled and bolting in place under tension, provided the connection is not disassembled during the interval. If the bolted connection is disassembled for any reason during the interval, the examination shall be performed with the connection disassembled.
E8.10	BV-1BRHR 8020 - Containment Liner and Penetrations						
MC							
E-G	304952	ISI / VT	1364-4306 Recirculating Valve Chamber 1B-SB Elect. Pen.Bolted Connection	s			4" Electrical penetration outboard end only per Drw 1364-4306,1364-21847 and 1364-1876 section J-J. Must remove enclosure box cover item 4 on drawing 1364-21847 to access bolted connection.See drawing CAR-2165-G-011 for location. Note 1. Examination shall include bolts, studs, nuts, washer, bushing, and threads in base material and flange ligaments between fastener holes. Note 2. Examination may be performed with the connection assembled and bolting in place under tension, provided the connection is not disassembled during the interval. If the bolted connection is disassembled for any reason during the interval, the examination shall be performed with the connection disassembled.
E8.10	BV-S-VC4 8020 - Containment Liner and Penetrations						
MC							
E-G	306451	ISI / VT	1364-0828 Fuel Transfer Tube Sleeve (26") S-65 - Mech. Pen. M-65- Bolting		s		Examination shall be performed with the connection disassembled. Examine bolted connection inside refueling canal (inside containment). Note 1. Examination shall include bolts, studs, nuts, washer, bushing, and threads in base material and flange ligaments between fastener holes.
E8.10	BV-M65 8020 - Containment Liner and Penetrations						
MC							

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
E-G E8.10 MC	306551 BV-M66 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-064 Refueling Access Sleeve 66 Bolting		s		Examine bolted connection on containment interior side only. Note 1. Examination shall include bolts, studs, nuts, washer, bushing, and threads in base material and flange ligaments between fastener holes. Note 2. Examination may be performed with the connection assembled and bolting in place under tension, provided the connection is not disassembled during the interval. If the bolted connection is disassembled for any reason during the interval, the examination shall be performed with the connection disassembled."
E-G E8.10 MC	311051 BV-M102 8020 - Containment Liner and Penetrations	ISI / VT	CAR 2165-G-0064 Refueling Access Sleeve (18") Flange Bolting M102		s		Examine bolted connection on containment interior side only. Note 1. Examination shall include bolts, studs, nuts, washer, bushing, and threads in base material and flange ligaments between fastener holes. Note 2. Examination may be performed with the connection assembled and bolting in place under tension, provided the connection is not disassembled during the interval. If the bolted connection is disassembled for any reason during the interval, the examination shall be performed with the connection disassembled."
E-G E8.10 MC	311951 BV-M150 8020 - Containment Liner and Penetrations	ISI / VT	1364-14479 Equipment Hatch Bolted Connection S-150 and M-150	s			Examination shall include item no. 10, 53, and 54 on drawing 1364-14479, and flange ligaments between bolt holes in hatch cover flange and mating flange on equipment hatch sleeve. Note 1. Examination shall include bolts, studs, nuts, washer, bushing, and threads in base material and flange ligaments between fastener holes. Examination shall be performed with the hatch cover connection disassembled.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
		ISI / VT					
E-G	312050		1364-1941 Personnel Air Lock Sleeve (5') S-151 Containment Side Electrical Penetration - Airlock Interior (inside Airlock)	s			Containment Side Electrical Penetration -Airlock Interior. See drawing 1364-13386, 1364-1945, and 1364-1948 for location and additional details. Remove Cover plate No. 245 to access bolted connection made up of terminal plate and bolting Part No. 248,249 and 225. Note 1. Examination shall include bolts, studs, nuts, washer, bushing, and threads in base material and flange ligaments between fastener holes. Note 2. Examination may be performed with the connection assembled and bolting in place under tension, provided the connection is not disassembled during the interval. If the bolted connection is disassembled for any reason during the interval, the examination shall be performed with the connection disassembled.
E8.10	BV-S151-01 8020 - Containment Liner and Penetrations						
MC		ISI / VT					
E-G	312051		1364-1941 Personnel Air Lock Sleeve (5') S-151 Containment Side Electrical Penetration - Airlock Exterior (Inside Containment)	s			Containment Side Electrical Penetration -Airlock Exterior. See drawing 1364-13386, 1364-1945, and 1364-1948 for location and additional details. Remove Cover plate No. 245 to access bolted connection made up of terminal plate and bolting Part No. 248,249 and 225. Note 1. Examination shall include bolts, studs, nuts, washer, bushing, and threads in base material and flange ligaments between fastener holes. Note 2. Examination may be performed with the connection assembled and bolting in place under tension, provided the connection is not disassembled during the interval. If the bolted connection is disassembled for any reason during the interval, the examination shall be performed with the connection disassembled.
E8.10	BV-S151-02 8020 - Containment Liner and Penetrations						
MC							

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
		ISI / VT					
E-G	312052		1364-1941 Personnel Air Lock Sleeve (5') S-151 Aux. Bldg. Side Electrical Penetration -Airlock Interior (Inside Airlock)	s			Aux. Bldg. Side Electrical Penetration -Airlock Interior. See drawing 1364-13386, 1364-1945, and 1364-1948 for location and additional details. Remove Cover plate No. 245 to access bolted connection made up of terminal plate and bolting Part No. 248,249 and 225. Note 1. Examination shall include bolts, studs, nuts, washer, bushing, and threads in base material and flange ligaments between fastener holes. Note 2. Examination may be performed with the connection assembled and bolting in place under tension, provided the connection is not disassembled during the interval. If the bolted connection is disassembled for any reason during the interval, the examination shall be performed with the connection disassembled.
E8.10	BV-S151-03						
MC	8020 - Containment Liner and Penetrations						
		ISI / VT					
E-G	312053		1364-1941 Personnel Air Lock Sleeve (5') S-151 Aux. Bldg. Side Electrical Penetration -Airlock Exterior (inside Aux Bldg)	s			Aux. Bldg. Side Electrical Penetration -Airlock Exterior. See drawing 1364-13386, 1364-1945, and 1364-1948 for location and additional details. Remove Cover plate No. 245 to access bolted connection made up of terminal plate and bolting Part No. 248,249 and 225. Note 1. Examination shall include bolts, studs, nuts, washer, bushing, and threads in base material and flange ligaments between fastener holes. Note 2. Examination may be performed with the connection assembled and bolting in place under tension, provided the connection is not disassembled during the interval. If the bolted connection is disassembled for any reason during the interval, the examination shall be performed with the connection disassembled.
E8.10	BV-S151-04						
MC	8020 - Containment Liner and Penetrations						

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
		ISI / VT					
E-G	312054		1364-1939 Personnel Air Lock Sleeve (5') S-151 Aux. Bldg. Side - 2" test connection - Airlock Exterior	s			Aux. Bldg. Side - 2" test connection - Airlock Exterior. See drawing 1364-13386, 1364-1945, 1364-1948, and 1364-1939 (detail "D") for location and additional details. Note 1. Examination shall include bolts, studs, nuts, washer, bushing, and threads in base material and flange ligaments between fastener holes. Note 2. Examination may be performed with the connection assembled and bolting in place under tension, provided the connection is not disassembled during the interval. If the bolted connection is disassembled for any reason during the interval, the examination shall be performed with the connection disassembled.
E8.10	BV-S151-05 8020 - Containment Liner and Penetrations						
MC		ISI / VT					
E-G	312055		1364-1948 Personnel Air Lock Sleeve (5') Pen S-151 Airlock Inner Door Sight Glass Bolted Connection	s			Pen S151 Airlock Inner Door Sight Glass Bolted Connection. See drawing 1364-1948 and Sight Glass Assembly Detail on Drawing 1364-1941. Note 1. Examination shall include bolts, studs, nuts, washer, bushing, and threads in base material and flange ligaments between fastener holes. Note 2. Examination may be performed with the connection assembled and bolting in place under tension, provided the connection is not disassembled during the interval. If the bolted connection is disassembled for any reason during the interval, the examination shall be performed with the connection disassembled.
E8.10	BV-S151-06 8020 - Containment Liner and Penetrations						
MC							

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
		ISI / VT					
E-G	312056		1364-13386 Personnel Air Lock Sleeve (5') Pen S-151 Airlock Outer Door Sight Glass Bolted Connection.	s			Pen S151 Airlock Outer Door Sight Glass Bolted Connection. See Detail B Drawing 1364-1942, and Sight Glass Assembly Detail on Drawing 1364-1941. Note 1. Examination shall include bolts, studs, nuts, washer, bushing, and threads in base material and flange ligaments between fastener holes. Note 2. Examination may be performed with the connection assembled and bolting in place under tension, provided the connection is not disassembled during the interval. If the bolted connection is disassembled for any reason during the interval, the examination shall be performed with the connection disassembled.
E8.10	BV-S151-07 8020 - Containment Liner and Penetrations						
MC		ISI / VT					
E-G	312057		1364-1940 Personnel Air Lock Sleeve (5') Pen S-151 Airlock Shell Sight Glass Bolted Connection Inside Containment	s			Pen S151 Airlock Shell Sight Glass Bolted Connection Inside Containment. See Drawings 1364-1945, 1365-1948, and Sight Glass Assembly Detail on Drawing 1364-1941. Note 1. Examination shall include bolts, studs, nuts, washer, bushing, and threads in base material and flange ligaments between fastener holes. Note 2. Examination may be performed with the connection assembled and bolting in place under tension, provided the connection is not disassembled during the interval. If the bolted connection is disassembled for any reason during the interval, the examination shall be performed with the connection disassembled.
E8.10	BV-S151-08 8020 - Containment Liner and Penetrations						
MC							

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
		ISI / VT					
E-G	312058		1364-1939 Personnel Air Lock Sleeve (5') Pen S-151 Airlock Shell Sight Glass Bolted Connection Outside Containment	s			Pen S151 Airlock Shell Sight Glass Bolted Connection Outside Containment. See Detail C Drawing 1364-1939, and Sight Glass Assembly Detail on Drawing 1364-1941. Note 1. Examination shall include bolts, studs, nuts, washer, bushing, and threads in base material and flange ligaments between fastener holes. Note 2. Examination may be performed with the connection assembled and bolting in place under tension, provided the connection is not disassembled during the interval. If the bolted connection is disassembled for any reason during the interval, the examination shall be performed with the connection disassembled.
E8.10	BV-S151-09						
MC	8020 - Containment Liner and Penetrations						
		ISI / VT					
E-G	312059		1364-1939 Personnel Air Lock Sleeve (5') Pen S-151 Outer door hinge arm assembly bolted connection	s			Pen S-151 Outer door hinge arm assembly bolted connection. Examine bolting and structural elements associated with the outer door hinge mechanism. See Drawings 1364-1947 and 1364-1948 for details. Note 1. Examination shall include bolts, studs, nuts, washer, bushing, and threads in base material and flange ligaments between fastener holes. Note 2. Examination may be performed with the connection assembled and bolting in place under tension, provided the connection is not disassembled during the interval. If the bolted connection is disassembled for any reason during the interval, the examination shall be performed with the connection disassembled.
E8.10	BV-S151-10						
MC	8020 - Containment Liner and Penetrations						



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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
		ISI / VT					
E-G	312060		1364-1948 Personnel Air Lock Sleeve (5') Pen S-151 Inner door hinge arm assembly bolted connection	s			Pen S151 Inner door hinge arm assembly bolted connection. Examine bolting and structural elements associated with the inner door hinge mechanism. See Drawings 1364-1947 and 1364-1948 for details. Note 1. Examination shall include bolts, studs, nuts, washer, bushing, and threads in base material and flange ligaments between fastener holes. Note 2. Examination may be performed with the connection assembled and bolting in place under tension, provided the connection is not disassembled during the interval. If the bolted connection is disassembled for any reason during the interval, the examination shall be performed with the connection disassembled.
E8.10 MC	BV-S151-11 8020 - Containment Liner and Penetrations						
		ISI / VT					
E-G	312150		1364-7844 Pen S-152 Emergency Air Lock Interior Bulkhead Electrical Penetration Bolted Connection - Containment Side	s			Pen S152 Emergency Air Lock Interior Bulkhead Electrical Penetration Bolted Connection - Containment Side. See Drawing 1364-7844. Remove Cover plate No. 60 to access bolted connection made up of terminal plate and bolting Part Nos. 62, 69 and 79. See drawing 1364-2330 Detail "F" for location. Note 1. Examination shall include bolts, studs, nuts, washer, bushing, and threads in base material and flange ligaments between fastener holes. Note 2. Examination may be performed with the connection assembled and bolting in place under tension, provided the connection is not disassembled during the interval. If the bolted connection is disassembled for any reason during the interval, the examination shall be performed with the connection disassembled.
E8.10 MC	BV-S152-01 8020 - Containment Liner and Penetrations						

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
		ISI / VT					
E-G	312151		1364-7844 Pen S-152 Emergency Air Lock Interior Bulkhead Electrical Penetration Bolted Connection - Airlock Side.		s		Pen S152 Emergency Air Lock Interior Bulkhead Electrical Penetration Bolted Connection - Airlock Side. See Drawing 1364-7844. Remove Cover plate No. 60 to access bolted connection made up of terminal plate and bolting Part Nos. 62, 69 and 79. See drawing 1364-2330 Detail "F" for location. Note 1. Examination shall include bolts, studs, nuts, washer, bushing, and threads in base material and flange ligaments between fastener holes. Note 2. Examination may be performed with the connection assembled and bolting in place under tension, provided the connection is not disassembled during the interval. If the bolted connection is disassembled for any reason during the interval, the examination shall be performed with the connection disassembled.
E8.10 MC	BV-S152-02 8020 - Containment Liner and Penetrations						
		ISI / VT					
E-G	312152		1364-2330 Pen S-152 Emergency Air Lock Exterior Bulkhead Electrical Penetration Bolted Connection - Exterior Side of Air Lock.		s		Pen S-152 Emergency Air Lock Exterior Bulkhead Electrical Penetration Bolted Connection - Exterior Side of Air Lock. See Drawing 1364-7844. Remove Cover plate No. 60 to access bolted connection made up of terminal plate and bolting Part Nos. 62, 69 and 79. Note 1. Examination shall include bolts, studs, nuts, washer, bushing, and threads in base material and flange ligaments between fastener holes. Note 2. Examination may be performed with the connection assembled and bolting in place under tension, provided the connection is not disassembled during the interval. If the bolted connection is disassembled for any reason during the interval, the examination shall be performed with the connection disassembled.
E8.10 MC	BV-S152-03 8020 - Containment Liner and Penetrations						

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
		ISI / VT					
E-G	312153		1364-2330 Pen S-152 Emergency Air Lock Exterior Bulkhead Electrical Penetration Bolted Connection - Air Lock Side		s		Pen S-152 Emergency Air Lock Exterior Bulkhead Electrical Penetration Bolted Connection - Air Lock Side. See Drawing 1364-7844. Remove Cover plate No. 60 to access bolted connection made up of terminal plate and bolting Part Nos. 62, 69 and 79. Note 1. Examination shall include bolts, studs, nuts, washer, bushing, and threads in base material and flange ligaments between fastener holes. Note 2. Examination may be performed with the connection assembled and bolting in place under tension, provided the connection is not disassembled during the interval. If the bolted connection is disassembled for any reason during the interval, the examination shall be performed with the connection disassembled.
E8.10	BV-S152-04 8020 - Containment Liner and Penetrations						
MC		ISI / VT					
E-G	312154		1364-2330 Pen S-152 Emergency Air Lock Exterior Bulkhead Emergency Air Penetration Bolted Connection		s		Pen S-152 Emergency Air Lock Exterior Bulkhead Emergency Air Penetration Bolted Connection - See Drawings 1364-2330, 1364-7840 (Detail J), and 1364-2339. Note 1. Examination shall include bolts, studs, nuts, washer, bushing, and threads in base material and flange ligaments between fastener holes. Note 2. Examination may be performed with the connection assembled and bolting in place under tension, provided the connection is not disassembled during the interval. If the bolted connection is disassembled for any reason during the interval, the examination shall be performed with the connection disassembled.
E8.10	BV-S152-05 8020 - Containment Liner and Penetrations						
MC							

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
		ISI / VT					
<b>E-G</b>	312155		1364-2333 Pen S-152 Emergency Air Lock Inner Door Viewport Bolted Connection		s		Pen S-152 Emergency Air Lock Inner Door Viewport Bolted Connection - See Drawings 1364-2333 (Section H-H) and 1364-2339. Note 1. Examination shall include bolts, studs, nuts, washer, bushing, and threads in base material and flange ligaments between fastener holes. Note 2. Examination may be performed with the connection assembled and bolting in place under tension, provided the connection is not disassembled during the interval. If the bolted connection is disassembled for any reason during the interval, the examination shall be performed with the connection disassembled.
E8.10	BV-S152-06 8020 - Containment Liner and Penetrations						
MC		ISI / VT					
<b>E-G</b>	312156		1364-2334 Pen S-152 Emergency Air Lock Outer Door Viewport Bolted Connection		s		Pen S-152 Emergency Air Lock Outer Door Viewport Bolted Connection - See Drawings 1364-2334 (Section H-H) and 1364-2339. Note 1. Examination shall include bolts, studs, nuts, washer, bushing, and threads in base material and flange ligaments between fastener holes. Note 2. Examination may be performed with the connection assembled and bolting in place under tension, provided the connection is not disassembled during the interval. If the bolted connection is disassembled for any reason during the interval, the examination shall be performed with the connection disassembled.
E8.10	BV-S152-07 8020 - Containment Liner and Penetrations						
MC							

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
		ISI / VT					
E-G	312157		1364-2330 Pen S-152 Emergency Air Lock Inner Door Upper Locking Bolt Bracket		s		Pen S-152 Emergency Air Lock Inner Door Upper Locking Bolt Bracket - See Drawings 1364-2330, 1364-2331 (Detail B), 1364-2348 (Part Nos. 8, 51, and 52). Note 1. Examination shall include bolts, studs, nuts, washer, bushing, and threads in base material and flange ligaments between fastener holes. Note 2. Examination may be performed with the connection assembled and bolting in place under tension, provided the connection is not disassembled during the interval. If the bolted connection is disassembled for any reason during the interval, the examination shall be performed with the connection disassembled.
E8.10	BV-S152-08 8020 - Containment Liner and Penetrations						
MC		ISI / VT					
E-G	312158		1364-2330 Pen S-152 Emergency Air Lock Inner Door Lower Locking Bolt Bracket		s		Pen S-152 Emergency Air Lock Inner Door Lower Locking Bolt Bracket - See Drawings 1364-2330, 1364-2331 (Detail B), 1364-2348 (Part Nos. 8, 51, and 52). Note 1. Examination shall include bolts, studs, nuts, washer, bushing, and threads in base material and flange ligaments between fastener holes. Note 2. Examination may be performed with the connection assembled and bolting in place under tension, provided the connection is not disassembled during the interval. If the bolted connection is disassembled for any reason during the interval, the examination shall be performed with the connection disassembled.
E8.10	BV-S152-09 8020 - Containment Liner and Penetrations						
MC							

## Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
		ISI / VT					
E-G	312159		1364-2330 Pen S-152 Emergency Air Lock Outer Door Upper Locking Bolt Bracket		s		Pen S-152 Emergency Air Lock Outer Door Upper Locking Bolt Bracket - See Drawings 1364-2330, 1364-2331 (Detail B), 1364-2348 (Part Nos. 8, 51, and 52). Note 1. Examination shall include bolts, studs, nuts, washer, bushing, and threads in base material and flange ligaments between fastener holes. Note 2. Examination may be performed with the connection assembled and bolting in place under tension, provided the connection is not disassembled during the interval. If the bolted connection is disassembled for any reason during the interval, the examination shall be performed with the connection disassembled.
E8.10	BV-S152-10 8020 - Containment Liner and Penetrations						
MC		ISI / VT					
E-G	312160		1364-2330 Pen S-152 Emergency Air Lock Outer Door Lower Locking Bolt Bracket		s		Pen S-152 Emergency Air Lock Outer Door Lower Locking Bolt Bracket - See Drawings 1364-2330, 1364-2331 (Detail B), 1364-2348 (Part Nos. 8, 51, and 52). Note 1. Examination shall include bolts, studs, nuts, washer, bushing, and threads in base material and flange ligaments between fastener holes. Note 2. Examination may be performed with the connection assembled and bolting in place under tension, provided the connection is not disassembled during the interval. If the bolted connection is disassembled for any reason during the interval, the examination shall be performed with the connection disassembled.
E8.10	BV-S152-11 8020 - Containment Liner and Penetrations						
MC							

# Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
		ISI / VT					
<b>E-G</b>	312161		1364-2330 Pen S-152 Emergency Air Lock Inner Bulkhead Handwheel Shaft Bolted Connection (Floating Seal Cover Bolting)		s		Pen S-152 Emergency Air Lock Inner Bulkhead Handwheel Shaft Bolted Connection (Floating Seal Cover Bolting) - See Drawings 1364-2330, 1364-2331 (Detail E), and 1364-2339 (Floating Seal Cover Detail). Note 1. Examination shall include bolts, studs, nuts, washer, bushing, and threads in base material and flange ligaments between fastener holes. Note 2. Examination may be performed with the connection assembled and bolting in place under tension, provided the connection is not disassembled during the interval. If the bolted connection is disassembled for any reason during the interval, the examination shall be performed with the connection disassembled.
E8.10	BV-S152-12						
MC	8020 - Containment Liner and Penetrations						
		ISI / VT					
<b>E-G</b>	312162		1364-2330 Pen S-152 Emergency Air Lock Outer Bulkhead Handwheel Shaft Bolted Connection (Floating Seal Cover Bolting)		s		Pen S-152 Emergency Air Lock Outer Bulkhead Handwheel Shaft Bolted Connection (Floating Seal Cover Bolting) - See Drawings 1364-2330, 1364-2331 (Detail E), and 1364-2339 (Floating Seal Cover Detail). Note 1. Examination shall include bolts, studs, nuts, washer, bushing, and threads in base material and flange ligaments between fastener holes. Note 2. Examination may be performed with the connection assembled and bolting in place under tension, provided the connection is not disassembled during the interval. If the bolted connection is disassembled for any reason during the interval, the examination shall be performed with the connection disassembled.
E8.10	BV-S152-13						
MC	8020 - Containment Liner and Penetrations						
		ISI / VT					
<b>E-G</b>	400001		1364-4305 Sleeve (12") S-201 - Elect. Pen. - bolted Connection	s			New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10	BV-S-201						
MC	8020 - Containment Liner and Penetrations						

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
E-G	400101	ISI / VT	1364-4305 Sleeve (12") S-202 - Elect. Pen. - bolted Connection	s			New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-202 8020 - Containment Liner and Penetrations						
E-G	400201	ISI / VT	1364-4305 Sleeve (12") S-203- Elect. Pen. - bolted Connection	s			New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-203 8020 - Containment Liner and Penetrations						
E-G	400301	ISI / VT	1364-4305 Sleeve (12") S-204- Elect. Pen. - bolted Connection	s			New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-204 8020 - Containment Liner and Penetrations						
E-G	400401	ISI / VT	1364-4305 Sleeve (12") S-205- Elect. Pen. - bolted Connection	s			New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-205 8020 - Containment Liner and Penetrations						
E-G	400501	ISI / VT	1364-4305 Sleeve (12") S-206- Elect. Pen. - bolted Connection	s			New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-206 8020 - Containment Liner and Penetrations						
E-G	400601	ISI / VT	1364-4305 Sleeve (12") S-207- Elect. Pen. - bolted Connection	s			New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-207 8020 - Containment Liner and Penetrations						
E-G	400701	ISI / VT	1364-4305 Sleeve (12") S-208- Elect. Pen. - bolted Connection	s			New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-208 8020 - Containment Liner and Penetrations						



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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
E-G	400801	ISI / VT	1364-4305 Sleeve (12") S-209- Elect. Pen. - bolted Connection	s			New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-209 8020 - Containment Liner and Penetrations						
E-G	400901	ISI / VT	1364-4305 Sleeve (12") S-210- Elect. Pen. - bolted Connection	s			New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-210 8020 - Containment Liner and Penetrations						
E-G	401001	ISI / VT	1364-4305 Sleeve (12") S-211- Elect. Pen. - bolted Connection	s			New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-211 8020 - Containment Liner and Penetrations						
E-G	401101	ISI / VT	1364-4305 Sleeve (12") S-212- Elect. Pen. - bolted Connection	s			New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-212 8020 - Containment Liner and Penetrations						
E-G	401201	ISI / VT	1364-4305 Sleeve (12") S-213- Elect. Pen. - bolted Connection	s			New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-213 8020 - Containment Liner and Penetrations						
E-G	401301	ISI / VT	1364-4305 Sleeve (12") S-214- Elect. Pen. - bolted Connection	s			New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-214 8020 - Containment Liner and Penetrations						
E-G	401401	ISI / VT	1364-4305 Sleeve (12") S-215- Elect. Pen. - bolted Connection	s			New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-215 8020 - Containment Liner and Penetrations						

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
E-G	401501	ISI / VT	1364-4305 Sleeve (12") S-216- Elect. Pen. - bolted Connection	s			New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-216 8020 - Containment Liner and Penetrations						
E-G	401601	ISI / VT	1364-4304 Sleeve (24") S-217 - Elect. Pen. - bolted Connection	s			New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-217 8020 - Containment Liner and Penetrations						
E-G	401701	ISI / VT	1364-4304 Sleeve (24") S-218 - Elect. Pen. - bolted Connection	s			New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-218 8020 - Containment Liner and Penetrations						
E-G	401801	ISI / VT	1364-4305 Sleeve (12") S-219- Elect. Pen. - bolted Connection	s			New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-219 8020 - Containment Liner and Penetrations						
E-G	401901	ISI / VT	1364-4305 Sleeve (12") S-220- Elect. Pen. - bolted Connection	s			New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-220 8020 - Containment Liner and Penetrations						
E-G	402001	ISI / VT	1364-4305 Sleeve (12") S-221- Elect. Pen. - bolted Connection	s			New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-221 8020 - Containment Liner and Penetrations						

# Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
E-G	402101	ISI / VT	1364-4305 Sleeve (12") S-222- Elect. Pen. - bolted Connection	s			New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-222 8020 - Containment Liner and Penetrations						
E-G	402201	ISI / VT	1364-4305 Sleeve (12") S-223- Elect. Pen. - bolted Connection	s			New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-223 8020 - Containment Liner and Penetrations						
E-G	402301	ISI / VT	1364-4305 Sleeve (12") S-224- Elect. Pen. - bolted Connection	s			New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-224 8020 - Containment Liner and Penetrations						
E-G	402401	ISI / VT	1364-4305 Sleeve (12") S-225- Elect. Pen. - bolted Connection	s			New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-225 8020 - Containment Liner and Penetrations						
E-G	402501	ISI / VT	1364-4305 Sleeve (12") S-226- Elect. Pen. - bolted Connection	s			New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-226 8020 - Containment Liner and Penetrations						
E-G	402601	ISI / VT	1364-4305 Sleeve (12") S-227- Elect. Pen. - bolted Connection	s			New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-227 8020 - Containment Liner and Penetrations						
E-G	402701	ISI / VT	1364-4305 Sleeve (12") S-228- Elect. Pen. - bolted Connection	s			New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-228 8020 - Containment Liner and Penetrations						

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
E-G	402801	ISI / VT	1364-4305 Sleeve (12") S-229- Elect. Pen. - bolted Connection	s			New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-229 8020 - Containment Liner and Penetrations						
E-G	402901	ISI / VT	1364-4305 Sleeve (12") S-230- Elect. Pen. - bolted Connection	s			New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-230 8020 - Containment Liner and Penetrations						
E-G	403001	ISI / VT	1364-4304 Sleeve (24") S-231 - Elect. Pen. - bolted Connection	s			New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-231 8020 - Containment Liner and Penetrations						
E-G	403101	ISI / VT	1364-4304 Sleeve (24") S-232 - Elect. Pen. - bolted Connection	s			New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-232 8020 - Containment Liner and Penetrations						
E-G	403201	ISI / VT	1364-4305 Sleeve (12") S-233- Elect. Pen. - bolted Connection		s		New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-233 8020 - Containment Liner and Penetrations						
E-G	403301	ISI / VT	1364-4305 Sleeve (12") S-234- Elect. Pen. - bolted Connection		s		New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-234 8020 - Containment Liner and Penetrations						

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
E-G	403401	ISI / VT	1364-4305 Sleeve (12") S-235- Elect. Pen. - bolted Connection		s		New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-235 8020 - Containment Liner and Penetrations						
E-G	403501	ISI / VT	1364-4305 Sleeve (12") S-236- Elect. Pen. - bolted Connection		s		New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-236 8020 - Containment Liner and Penetrations						
E-G	403601	ISI / VT	1364-4305 Sleeve (12") S-237- Elect. Pen. - bolted Connection		s		New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-237 8020 - Containment Liner and Penetrations						
E-G	403701	ISI / VT	1364-4305 Sleeve (12") S-238- Elect. Pen. - bolted Connection		s		New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-238 8020 - Containment Liner and Penetrations						
E-G	403801	ISI / VT	1364-4305 Sleeve (12") S-239- Elect. Pen. - bolted Connection		s		New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-239 8020 - Containment Liner and Penetrations						
E-G	403901	ISI / VT	1364-4305 Sleeve (12") S-240- Elect. Pen. - bolted Connection		s		New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-240 8020 - Containment Liner and Penetrations						
E-G	404001	ISI / VT	1364-4305 Sleeve (12") S-241- Elect. Pen. - bolted Connection		s		New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-241 8020 - Containment Liner and Penetrations						

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
E-G	404101	ISI / VT	1364-4305 Sleeve (12") S-242- Elect. Pen. - bolted Connection		s		New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-242 8020 - Containment Liner and Penetrations						
E-G	404201	ISI / VT	1364-4305 Sleeve (12") S-243- Elect. Pen. - bolted Connection		s		New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-243 8020 - Containment Liner and Penetrations						
E-G	404301	ISI / VT	1364-4305 Sleeve (12") S-244- Elect. Pen. - bolted Connection		s		New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-244 8020 - Containment Liner and Penetrations						
E-G	404401	ISI / VT	1364-4304 Sleeve (24") S-245 - Elect. Pen. - bolted Connection	s			New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-245 8020 - Containment Liner and Penetrations						
E-G	404501	ISI / VT	1364-4304 Sleeve (24") S-246 - Elect. Pen. - bolted Connection	s			New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-246 8020 - Containment Liner and Penetrations						
E-G	404601	ISI / VT	1364-4305 Sleeve (12") S-247- Elect. Pen. - bolted Connection		s		New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-247 8020 - Containment Liner and Penetrations						

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
E-G	404701	ISI / VT	1364-4305 Sleeve (12") S-248- Elect. Pen. - bolted Connection		s		New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-248 8020 - Containment Liner and Penetrations						
E-G	404801	ISI / VT	1364-4305 Sleeve (12") S-249- Elect. Pen. - bolted Connection		s		New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-249 8020 - Containment Liner and Penetrations						
E-G	404901	ISI / VT	1364-4305 Sleeve (12") S-250- Elect. Pen. - bolted Connection		s		New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-250 8020 - Containment Liner and Penetrations						
E-G	405001	ISI / VT	1364-4305 Sleeve (12") S-251- Elect. Pen. - bolted Connection		s		New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-251 8020 - Containment Liner and Penetrations						
E-G	405101	ISI / VT	1364-4305 Sleeve (12") S-252- Elect. Pen. - bolted Connection		s		New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-252 8020 - Containment Liner and Penetrations						
E-G	405201	ISI / VT	1364-4305 Sleeve (12") S-253- Elect. Pen. - bolted Connection		s		New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-253 8020 - Containment Liner and Penetrations						
E-G	405301	ISI / VT	1364-4305 Sleeve (12") S-254- Elect. Pen. - bolted Connection		s		New SN in 3rd Interval. Locking Dog Bolting. NEMA Electrical Enclosure will have to be opened for this examination.
E8.10 MC	BV-S-254 8020 - Containment Liner and Penetrations						

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	

# Category F-A



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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
F-A F1.10A 1	H-00812 CS-H-2870 CS-2060	ISI / VT	1-ISI-CS-107 Rigid Strut Hanger	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.10A 1	H-00821 CS-H-2889 CS-2060		1-ISI-CS-103 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-00822 CS-H-2890 CS-2060		1-ISI-CS-103 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-00828 CS-H-2956 CS-2060		1-ISI-CS-88 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-00829 CS-H-2957 CS-2060		1-ISI-CS-88 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-00830 CS-H-2958 CS-2060		1-ISI-CS-88 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-00831 CS-H-2961 CS-2060		1-ISI-CS-88 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-00835 CS-H-3243 CS-2060	ISI / VT	1-ISI-CS-93 Open Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	s	
F-A F1.10A 1	H-00839 CS-H-3622 CS-2060	ISI / VT	1-ISI-CS-88 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	s	
F-A F1.10A 1	H-04990 RC-H-0001 RC-2005		1-ISI-RC-9 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-04991 RC-H-0004 RC-2005		1-ISI-RC-9 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-04995 RC-H-0040 RC-2005	ISI / VT	1-ISI-RC-23 S02 Welded Dual Horizontal Rigid Strut	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.10A 1	H-04998 RC-H-0047 RC-2005		1-ISI-RC-23 S02 Open Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
F-A F1.10A 1	H-05000 RC-H-0055 RC-2005		1-ISI-RC-23 S01 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05001 RC-H-0056 RC-2005		1-ISI-RC-23 S01 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05003 RC-H-0058 RC-2005		1-ISI-RC-23 S01 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05007 RC-H-0074 RC-2005	ISI / VT	1-ISI-RC-24 Closed Box Restraint	<input type="checkbox"/> s	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05009 RC-H-0078 RC-2005		1-ISI-RC-24 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05011 RC-H-0081 RC-2005	ISI / VT	1-ISI-RC-24 Horizontal Rigid Strut Restraint	<input type="checkbox"/> s	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05016 RC-H-0098 RC-2005		1-ISI-RC-25 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05017 RC-H-0099 RC-2005	ISI / VT	1-ISI-RC-23 S01 Open Box Restraint	<input type="checkbox"/> s	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05027 RC-H-0240 RC-2005		1-ISI-RC-22 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05029 RC-H-0245 RC-2005	ISI / VT	1-ISI-RC-22 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
F-A F1.10A 1	H-05053 RC-H-0411 RC-2005		1-ISI-RC-9 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05064 RC-H-0446 RC-2005		1-ISI-RC-23 S02 Open Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05127 RH-H-0115 RH-2085		1-ISI-RH-9 S01 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
F-A F1.10A 1	H-05130 RH-H-0124 RH-2085	ISI / VT	1-ISI-RH-9 S02 Rigid Strut Hanger	<input type="checkbox"/>	s <input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05131 RH-H-0125 RH-2085		1-ISI-RH-9 S02 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05136 RH-H-0143 RH-2085		1-ISI-RH-10 S01 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05138 RH-H-0149 RH-2085	ISI / VT	1-ISI-RH-10 S02 Dual Rigid Strut Hanger	<input type="checkbox"/>	s <input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05139 RH-H-0150 RH-2085		1-ISI-RH-10 S02 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05140 RH-H-0151 RH-2085		1-ISI-RH-10 S02 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05141 RH-H-0152 RH-2085		1-ISI-RH-10 S02 Dual Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05142 RH-H-0153 RH-2085	ISI / VT	1-ISI-RH-10 S02 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	s <input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05143 RH-H-0154 RH-2085		1-ISI-RH-10 S02 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05175 RH-H-0365 RH-2085		1-ISI-RH-9 S01 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05329 SI-H-0117 SI-2080	ISI / VT	1-ISI-SI-21 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	s <input type="checkbox"/>	
F-A F1.10A 1	H-05331 SI-H-0120 SI-2080		1-ISI-SI-21 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05338 SI-H-0134 SI-2080		1-ISI-SI-22 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
F-A F1.10A 1	H-05339 SI-H-0136 SI-2080		1-ISI-SI-22 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05341 SI-H-0145 SI-2080		1-ISI-SI-26 S02 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05342 SI-H-0147 SI-2080	ISI / VT	1-ISI-SI-26 S02 Rigid Strut Hanger	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.10A 1	H-05354 SI-H-0170 SI-2080		1-ISI-SI-28 S01 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05356 SI-H-0173 SI-2080		1-ISI-SI-28 S02 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05357 SI-H-0176 SI-2080		1-ISI-SI-28 S02 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05362 SI-H-0184 SI-2080		1-ISI-SI-27 S02 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05363 SI-H-0186 SI-2080		1-ISI-SI-27 S02 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05367 SI-H-0229 SI-2080		1-ISI-SI-24 S02 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1-ISI-SI-24-S02 shows two supports (Category FA's) SI-H-229 (summary number H5367) and SI-H-230 (Summary Number H7233) that use a common welded attachment category B-K (summary number H5368).
F-A F1.10A 1	H-05382 SI-H-0262 SI-2080	ISI / VT	1-ISI-SI-25 S02 Rigid Strut Support	s	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05383 SI-H-0265 SI-2080		1-ISI-SI-25 S02 Dual Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05388 SI-H-0277 SI-2080		1-ISI-SI-23 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
F-A F1.10A 1	H-05389 SI-H-0315 SI-2080		1-ISI-SI-17 S02 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05390 SI-H-0317 SI-2080	ISI / VT	1-ISI-SI-17 S02 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	
F-A F1.10A 1	H-05391 SI-H-0320 SI-2080		1-ISI-SI-17 S02 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05392 SI-H-0322 SI-2080		1-ISI-SI-17 S02 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05393 SI-H-0323 SI-2080		1-ISI-SI-17 S02 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05394 SI-H-0325 SI-2080	ISI / VT	1-ISI-SI-17 S02 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	
F-A F1.10A 1	H-05395 SI-H-0327 SI-2080		1-ISI-SI-17 S02 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05396 SI-H-0350 SI-2080		1-ISI-SI-18 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05397 SI-H-0351 SI-2080		1-ISI-SI-18 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05401 SI-H-0358 SI-2080	ISI / VT	1-ISI-SI-18 Rigid Strut Hanger	<input checked="" type="checkbox"/> s	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05402 SI-H-0360 SI-2080		1-ISI-SI-18 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05407 SI-H-0370 SI-2080		1-ISI-SI-18 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05412 SI-H-0424 SI-2080		1-ISI-SI-19 S02 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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F-A F1.10A 1	H-05413 SI-H-0425 SI-2080	ISI / VT	1-ISI-SI-19 S02 Rigid Strut Hanger	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.10A 1	H-05414 SI-H-0426 SI-2080	ISI / VT	1-ISI-SI-19 S02 Horizontal Rigid Strut Restraint	s	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05416 SI-H-0429 SI-2080		1-ISI-SI-19 S02 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05417 SI-H-0431 SI-2080		1-ISI-SI-19 S02 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05418 SI-H-0432 SI-2080	ISI / VT	1-ISI-SI-19 S02 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.10A 1	H-05419 SI-H-0433 SI-2080	ISI / VT	1-ISI-SI-19 S02 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.10A 1	H-05421 SI-H-0436 SI-2080		1-ISI-SI-19 S02 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05422 SI-H-0438 SI-2080		1-ISI-SI-19 S02 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05423 SI-H-0439 SI-2080		1-ISI-SI-19 S02 Open Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05424 SI-H-0497 SI-2080		1-ISI-SI-20 S02 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05428 SI-H-0941 SI-2080	ISI / VT	1-ISI-SI-29 S02 Dual Rigid Strut Restraint	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.10A 1	H-05430 SI-H-0962 SI-2080		1-ISI-SI-24 S02 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10A 1	H-05444 SI-H-1201 SI-2080		1-ISI-SI-26 S02 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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F-A F1.10A 1	H-07873 SI-H-0318 SI-2080		1-ISI-SI-17 S02 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10B 1	H-04993 RC-H-0033 RC-2005	ISI / VT	1-ISI-RC-23 S02 Closed Box Restraint	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10B 1	H-05012 RC-H-0084 RC-2005		1-ISI-RC-23 S02 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10B 1	H-05028 RC-H-0242 RC-2005		1-ISI-RC-22 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10B 1	H-05128 RH-H-0120 RH-2085		1-ISI-RH-9 S02 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10B 1	H-05129 RH-H-0122 RH-2085	ISI / VT	1-ISI-RH-9 S02 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F-A F1.10B 1	H-05398 SI-H-0352 SI-2080	ISI / VT	1-ISI-SI-18 Closed Box Restraint	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10B 1	H-05399 SI-H-0354 SI-2080		1-ISI-SI-18 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10B 1	H-05400 SI-H-0356 SI-2080		1-ISI-SI-18 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10B 1	H-05403 SI-H-0362 SI-2080		1-ISI-SI-18 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10B 1	H-05404 SI-H-0364 SI-2080		1-ISI-SI-18 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10B 1	H-05405 SI-H-0366 SI-2080	ISI / VT	1-ISI-SI-18 Closed Box Restraint	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10B 1	H-05406 SI-H-0368 SI-2080		1-ISI-SI-18 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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F-A F1.10B 1	H-05420 SI-H-0434 SI-2080		1-ISI-SI-19 S02 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-00823 CS-H-2891 CS-2060	ISI / VT	1-ISI-CS-103 Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F-A F1.10C 1	H-04992 RC-H-0008 RC-2005	ISI / VT	1-ISI-RC-9 Spring Hanger	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-04994 RC-H-0036 RC-2005		1-ISI-RC-23 S02 Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-04997 RC-H-0041 RC-2005		1-ISI-RC-23 S02 Spring Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-04999 RC-H-0052 RC-2005		1-ISI-RC-23 S01 Spring Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-05002 RC-H-0057 RC-2005	ISI / VT	1-ISI-RC-23 S01 Constant Support	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-05004 RC-H-0061 RC-2005	ISI / VT	1-ISI-RC-23 S01 Spring Support	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-05005 RC-H-0071 RC-2005	ISI / VT	1-ISI-RC-24 Spring Hanger	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-05006 RC-H-0072 RC-2005		1-ISI-RC-24 Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-05008 RC-H-0076 RC-2005		1-ISI-RC-24 Spring Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-05010 RC-H-0079 RC-2005	ISI / VT	1-ISI-RC-24 Spring Support	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-05013 RC-H-0086 RC-2005	ISI / VT	1-ISI-RC-25 Spring Hanger	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



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F-A F1.10C 1	H-05014 RC-H-0091 RC-2005	ISI / VT	1-ISI-RC-25 Dual Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F-A F1.10C 1	H-05015 RC-H-0094 RC-2005		1-ISI-RC-25 Dual Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-05018 RC-H-0199 RC-2005	ISI / VT	1-ISI-RC-27 Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F-A F1.10C 1	H-05019 RC-H-0209 RC-2005	ISI / VT	1-ISI-RC-27 Spring Hanger	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-05020 RC-H-0214 RC-2005		1-ISI-RC-27 Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-05021 RC-H-0219 RC-2005	ISI / VT	1-ISI-RC-22 Spring Support	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-05022 RC-H-0223 RC-2005	ISI / VT	1-ISI-RC-22 Spring Support	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-05023 RC-H-0226 RC-2005		1-ISI-RC-22 Spring Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-05024 RC-H-0227 RC-2005		1-ISI-RC-22 Spring Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-05026 RC-H-0237 RC-2005	ISI / VT	1-ISI-RC-22 Spring Support	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F-A F1.10C 1	H-05030 RC-H-0272 RC-2005	ISI / VT	1-ISI-CS-97 Spring Support	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-05063 RC-H-0445 RC-2005	ISI / VT	1-ISI-RC-23 S01 Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F-A F1.10C 1	H-05072 RC-H-0862 RC-2005	ISI / VT	1-ISI-RC-25 Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

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				1	2	3	
F-A F1.10C 1	H-05126 RH-H-0112 RH-2085	ISI / VT	1-ISI-RH-9 S01 Spring Hanger	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.10C 1	H-05134 RH-H-0140 RH-2085	ISI / VT	1-ISI-RH-10 S01 Spring Hanger	s	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-05332 SI-H-0121 SI-2080	ISI / VT	1-ISI-SI-21 Spring Hanger	s	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-05364 SI-H-0189 SI-2080	ISI / VT	1-ISI-SI-27 S02 Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	s	
F-A F1.10C 1	H-05365 SI-H-0191 SI-2080	ISI / VT	1-ISI-SI-27 S02 Spring Hanger	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.10C 1	H-05366 SI-H-0228 SI-2080		1-ISI-SI-24 S02 Spring Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-05369 SI-H-0231 SI-2080	ISI / VT	1-ISI-SI-24 S02 Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	s	
F-A F1.10C 1	H-05381 SI-H-0260 SI-2080		1-ISI-SI-25 S02 Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-05408 SI-H-0372 SI-2080		1-ISI-SI-18 Spring Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-05415 SI-H-0427 SI-2080		1-ISI-SI-19 S02 Spring Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-05425 SI-H-0509 SI-2080	ISI / VT	1-ISI-SI-20 S02 Spring Hanger	s	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07215 RH-H-0141 RH-2085	ISI / VT	1-ISI-RH-10 S01 Dual Snubber	s	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07216 RH-H-0144 RH-2085		1-ISI-RH-10 S01 Welded Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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F-A F1.10C 1	H-07226 SI-H-0119 SI-2080		1-ISI-SI-21 Welded Dual Snubber				
F-A F1.10C 1	H-07227 SI-H-0141 SI-2080	ISI / VT	1-ISI-SI-26 S02 Welded Dual Snubber			s	
F-A F1.10C 1	H-07228 SI-H-0149 SI-2080	ISI / VT	1-ISI-SI-26 S02 Welded Dual Snubber		s		
F-A F1.10C 1	H-07229 SI-H-0169 SI-2080		1-ISI-SI-28 S01 Welded Dual Snubber				
F-A F1.10C 1	H-07230 SI-H-0172 SI-2080	ISI / VT	1-ISI-SI-28 S02 Welded Dual Snubber			s	
F-A F1.10C 1	H-07231 SI-H-0177 SI-2080		1-ISI-SI-28 S02 Dual Snubber				
F-A F1.10C 1	H-07233 SI-H-0230 SI-2080		1-ISI-SI-24 S02 Dual Snubber				1-ISI-SI-24-S02 shows two supports (Category FA's) SI-H-229 (summary number H5367) and SI-H-230 (Summary Number H7233) that use a common welded attachment category B-K (summary number H5368).
F-A F1.10C 1	H-07236 SI-H-0960 SI-2080	ISI / VT	1-ISI-SI-24 S02 Welded Dual Snubber		s		
F-A F1.10C 1	H-07237 SI-H-0982 SI-2080		1-ISI-SI-25 S02 Dual Snubber				
F-A F1.10C 1	H-07238 SI-H-0989 SI-2080		1-ISI-SI-22 Dual Snubber				
F-A F1.10C 1	H-07336 CS-H-2871 CS-2060		1-ISI-CS-107 Snubber				
F-A F1.10C 1	H-07337 CS-H-2962 CS-2060		1-ISI-CS-88 Snubber				

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F-A F1.10C 1	H-07338 CS-H-3208 CS-2060		1-ISI-CS-97 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07340 CS-H-3242 CS-2060		1-ISI-CS-93 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07341 CS-H-4418 CS-2060		1-ISI-CS-97 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07343 CS-H-4430 CS-2060	ISI / VT	1-ISI-CS-97 Snubber	<input type="checkbox"/> s	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07593 CS-H-0398 CS-2060	ISI / VT	1-ISI-CS-97 Snubber	<input type="checkbox"/> s	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07594 CS-H-0399 CS-2060		1-ISI-CS-97 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07633 RC-H-0002 RC-2005		1-ISI-RC-9 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07635 RC-H-0006 RC-2005		1-ISI-RC-9 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07636 RC-H-0037 RC-2005		1-ISI-RC-23 S02 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07638 RC-H-0038 RC-2005		1-ISI-RC-23 S02 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07639 RC-H-0042 RC-2005		1-ISI-RC-23 S02 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07640 RC-H-0046 RC-2005		1-ISI-RC-23 S02 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07641 RC-H-0048 RC-2005		1-ISI-RC-23 S01 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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F-A F1.10C 1	H-07643 RC-H-0049 RC-2005		1-ISI-RC-23 S01 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07644 RC-H-0053 RC-2005		1-ISI-RC-23 S01 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07645 RC-H-0054 RC-2005		1-ISI-RC-23 S01 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07646 RC-H-0059 RC-2005		1-ISI-RC-23 S01 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07648 RC-H-0064 RC-2005		1-ISI-RC-23 S01 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07649 RC-H-0065 RC-2005		1-ISI-RC-23 S01 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07650 RC-H-0067 RC-2005		1-ISI-RC-24 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07651 RC-H-0068 RC-2005		1-ISI-RC-24 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07652 RC-H-0069 RC-2005		1-ISI-RC-24 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07653 RC-H-0070 RC-2005		1-ISI-RC-24 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07654 RC-H-0073 RC-2005		1-ISI-RC-24 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07655 RC-H-0075 RC-2005	ISI / VT	1-ISI-RC-24 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
F-A F1.10C 1	H-07657 RC-H-0077 RC-2005		1-ISI-RC-24 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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F-A F1.10C 1	H-07658 RC-H-0080 RC-2005		1-ISI-RC-24 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07659 RC-H-0082 RC-2005		1-ISI-RC-23 S02 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07660 RC-H-0083 RC-2005		1-ISI-RC-23 S02 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07661 RC-H-0087 RC-2005		1-ISI-RC-25 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07662 RC-H-0088 RC-2005		1-ISI-RC-25 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07663 RC-H-0089 RC-2005		1-ISI-RC-25 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07664 RC-H-0090 RC-2005		1-ISI-RC-25 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07665 RC-H-0092 RC-2005		1-ISI-RC-25 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07666 RC-H-0093 RC-2005		1-ISI-RC-25 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07667 RC-H-0095 RC-2005		1-ISI-RC-25 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07668 RC-H-0096 RC-2005		1-ISI-RC-25 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07669 RC-H-0100 RC-2005		1-ISI-RC-23 S01 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07670 RC-H-0220 RC-2005		1-ISI-RC-22 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
F-A F1.10C 1	H-07671 RC-H-0221 RC-2005		1-ISI-RC-22 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07672 RC-H-0222 RC-2005		1-ISI-RC-22 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07673 RC-H-0224 RC-2005		1-ISI-RC-22 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07674 RC-H-0225 RC-2005		1-ISI-RC-22 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07675 RC-H-0228 RC-2005		1-ISI-RC-22 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07676 RC-H-0229 RC-2005		1-ISI-RC-22 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07677 RC-H-0230 RC-2005		1-ISI-RC-22 Welded Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07679 RC-H-0231 RC-2005		1-ISI-RC-22 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07680 RC-H-0236 RC-2005		1-ISI-RC-22 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07681 RC-H-0238 RC-2005		1-ISI-RC-22 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07682 RC-H-0239 RC-2005	ISI / VT	1-ISI-RC-22 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
F-A F1.10C 1	H-07683 RC-H-0244 RC-2005		1-ISI-RC-22 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07684 RC-H-0246 RC-2005	ISI / VT	1-ISI-RC-22 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/> s	<input type="checkbox"/>	

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				1	2	3	
F-A F1.10C 1	H-07686 RC-H-0412 RC-2005		1-ISI-RC-9 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07688 RC-H-0444 RC-2005		1-ISI-RC-24 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07689 RC-H-0447 RC-2005		1-ISI-RC-23 S01 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07690 RC-H-0486 RC-2005	ISI / VT	1-ISI-RC-22 Dual Snubber	<input type="checkbox"/> s	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07692 RC-H-0487 RC-2005		1-ISI-RC-22 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07693 RC-H-0491 RC-2005		1-ISI-RC-27 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07694 RC-H-0494 RC-2005	ISI / VT	1-ISI-RC-27 Snubber	<input type="checkbox"/>	<input type="checkbox"/> s	<input type="checkbox"/>	
F-A F1.10C 1	H-07695 RC-H-0640 RC-2005		1-ISI-RC-25 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07696 RC-H-0664 RC-2005		1-ISI-RC-27 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07697 RC-H-0665 RC-2005		1-ISI-RC-27 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07698 RC-H-0666 RC-2005		1-ISI-RC-27 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07699 RC-H-0667 RC-2005		1-ISI-RC-27 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07700 RC-H-0920 RC-2005		1-ISI-CS-106 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



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F-A F1.10C 1	H-07708 RH-H-0113 RH-2085		1-ISI-RH-9 S01 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07710 RH-H-0116 RH-2085		1-ISI-RH-9 S01 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07711 RH-H-0118 RH-2085		1-ISI-RH-9 S01 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07712 RH-H-0119 RH-2085		1-ISI-RH-9 S01 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07715 RH-H-0142 RH-2085		1-ISI-RH-10 S01 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07719 RH-H-0145 RH-2085		1-ISI-RH-10 S01 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07720 RH-H-0146 RH-2085		1-ISI-RH-10 S01 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07750 RH-H-0364 RH-2085	ISI / VT	1-ISI-RH-9 S01 Snubber	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.10C 1	H-07788 SI-H-0118 SI-2080		1-ISI-SI-21 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07791 SI-H-0122 SI-2080		1-ISI-SI-21 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07794 SI-H-0133 SI-2080		1-ISI-SI-22 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07798 SI-H-0142 SI-2080		1-ISI-SI-26 S02 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07800 SI-H-0144 SI-2080		1-ISI-SI-26 S02 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
F-A F1.10C 1	H-07802 SI-H-0146 SI-2080		1-ISI-SI-26 S02 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07803 SI-H-0148 SI-2080		1-ISI-SI-26 S02 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07814 SI-H-0168 SI-2080	ISI / VT	1-ISI-SI-28 S01 Dual Snubber	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.10C 1	H-07818 SI-H-0171 SI-2080		1-ISI-SI-28 S02 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07822 SI-H-0174 SI-2080		1-ISI-SI-28 S02 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07824 SI-H-0175 SI-2080		1-ISI-SI-28 S02 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07830 SI-H-0185 SI-2080	ISI / VT	1-ISI-SI-27 S02 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	s	
F-A F1.10C 1	H-07832 SI-H-0187 SI-2080		1-ISI-SI-27 S02 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07834 SI-H-0188 SI-2080		1-ISI-SI-27 S02 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07835 SI-H-0190 SI-2080		1-ISI-SI-27 S02 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07836 SI-H-0192 SI-2080		1-ISI-SI-27 S02 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07848 SI-H-0233 SI-2080		1-ISI-SI-24 S02 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07859 SI-H-0266 SI-2080		1-ISI-SI-25 S02 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
F-A F1.10C 1	H-07869 SI-H-0275 SI-2080		1-ISI-SI-23 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07870 SI-H-0279 SI-2080		1-ISI-SI-23 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07874 SI-H-0321 SI-2080	ISI / VT	1-ISI-SI-17 S02 Snubber	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.10C 1	H-07875 SI-H-0324 SI-2080		1-ISI-SI-17 S02 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07876 SI-H-0326 SI-2080		1-ISI-SI-17 S02 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07881 SI-H-0357 SI-2080		1-ISI-SI-18 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07882 SI-H-0359 SI-2080	ISI / VT	1-ISI-SI-18 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	s	
F-A F1.10C 1	H-07883 SI-H-0361 SI-2080		1-ISI-SI-18 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07884 SI-H-0373 SI-2080	ISI / VT	1-ISI-SI-18 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	s	
F-A F1.10C 1	H-07885 SI-H-0375 SI-2080		1-ISI-SI-18 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07886 SI-H-0376 SI-2080		1-ISI-SI-18 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07895 SI-H-0428 SI-2080		1-ISI-SI-19 S02 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07896 SI-H-0430 SI-2080		1-ISI-SI-19 S02 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
F-A F1.10C 1	H-07897 SI-H-0437 SI-2080	ISI / VT	1-ISI-SI-19 S02 Snubber	s			
F-A F1.10C 1	H-07898 SI-H-0440 SI-2080		1-ISI-SI-19 S02 Snubber				
F-A F1.10C 1	H-07909 SI-H-0498 SI-2080	ISI / VT	1-ISI-SI-20 S02 Snubber	s			
F-A F1.10C 1	H-07910 SI-H-0499 SI-2080	ISI / VT	1-ISI-SI-20 S02 Snubber			s	
F-A F1.10C 1	H-07911 SI-H-0500 SI-2080		1-ISI-SI-20 S02 Snubber				
F-A F1.10C 1	H-07912 SI-H-0501 SI-2080		1-ISI-SI-20 S02 Snubber				
F-A F1.10C 1	H-07913 SI-H-0502 SI-2080		1-ISI-SI-20 S02 Snubber				
F-A F1.10C 1	H-07914 SI-H-0503 SI-2080		1-ISI-SI-20 S02 Snubber				
F-A F1.10C 1	H-07915 SI-H-0504 SI-2080		1-ISI-SI-20 S02 Snubber				
F-A F1.10C 1	H-07916 SI-H-0506 SI-2080		1-ISI-SI-20 S02 Snubber				
F-A F1.10C 1	H-07917 SI-H-0507 SI-2080		1-ISI-SI-20 S02 Snubber				
F-A F1.10C 1	H-07918 SI-H-0508 SI-2080	ISI / VT	1-ISI-SI-20 S02 Snubber		s		
F-A F1.10C 1	H-07947 SI-H-0599 SI-2080		1-ISI-SI-30 Dual Snubber				

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				1	2	3	
F-A F1.10C 1	H-07956 SI-H-0942 SI-2080		1-ISI-SI-29 S02 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07957 SI-H-0959 SI-2080		1-ISI-SI-24 S02 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07960 SI-H-0961 SI-2080		1-ISI-SI-24 S02 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07965 SI-H-0983 SI-2080		1-ISI-SI-25 S02 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07968 SI-H-1023 SI-2080		1-ISI-SI-27 S02 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07970 SI-H-1025 SI-2080		1-ISI-SI-27 S02 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07974 SI-H-1036 SI-2080		1-ISI-SI-25 S02 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07978 SI-H-1092 SI-2080	ISI / VT	1-ISI-SI-20 S02 Snubber	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.10C 1	H-07989 SI-H-1193 SI-2080		1-ISI-SI-25 S02 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07995 SI-H-1574 SI-2080		1-ISI-SI-22 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.10C 1	H-07996 RC-H-0243 RC-2005	ISI / VT	1-ISI-RC-22 Spring Support	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.20A 2	H-00035 AF-H-0079 AF-3065		1-ISI-AF-7 Rigid Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-00167 AF-H-0285 AF-3065		1-ISI-AF-8 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
F-A	H-00169	ISI / VT	1-ISI-AF-8	s			
F1.20A	AF-H-0287		Horizontal Rigid Strut Restraint				
2	AF-3065						
F-A	H-00170		1-ISI-AF-8				
F1.20A	AF-H-0288		Horizontal Rigid Strut Restraint				
2	AF-3065						
F-A	H-00171		1-ISI-AF-8				
F1.20A	AF-H-0289		Rigid Strut Support				
2	AF-3065						
F-A	H-00172		1-ISI-AF-8				
F1.20A	AF-H-0290		Horizontal Rigid Strut Restraint				
2	AF-3065						
F-A	H-00173		1-ISI-AF-8				
F1.20A	AF-H-0291		Dual Horizontal Rigid Strut				
2	AF-3065						
F-A	H-00174		1-ISI-AF-8				
F1.20A	AF-H-0292		Rigid Strut Support				
2	AF-3065						
F-A	H-00175		1-ISI-AF-8				
F1.20A	AF-H-0293		Horizontal Rigid Strut Restraint				
2	AF-3065						
F-A	H-00176		1-ISI-AF-8				
F1.20A	AF-H-0294		Rigid Strut Hanger				
2	AF-3065						
F-A	H-00177		1-ISI-AF-8				
F1.20A	AF-H-0295		Rigid Strut Support				
2	AF-3065						
F-A	H-00181	ISI / VT	1-ISI-AF-9	s			
F1.20A	AF-H-0306		Rigid Strut Support				
2	AF-3065						
F-A	H-00182		1-ISI-AF-9				
F1.20A	AF-H-0308		Horizontal Rigid Strut Restraint				
2	AF-3065						
F-A	H-00183		1-ISI-AF-9				
F1.20A	AF-H-0310		Horizontal Rigid Strut Restraint				
2	AF-3065						
F-A	H-00184		1-ISI-AF-10				
F1.20A	AF-H-0316		Rigid Strut Support				
2	AF-3065						

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				1	2	3	
F-A F1.20A 2	H-00185 AF-H-0318 AF-3065	ISI / VT	1-ISI-AF-10 Rigid Strut Support	s			
F-A F1.20A 2	H-00186 AF-H-0319 AF-3065		1-ISI-AF-10 Rigid Strut Hanger				
F-A F1.20A 2	H-00188 AF-H-0321 AF-3065		1-ISI-AF-10 Rigid Strut Support				
F-A F1.20A 2	H-00189 AF-H-0322 AF-3065		1-ISI-AF-10 Rigid Strut Hanger				
F-A F1.20A 2	H-00190 AF-H-0323 AF-3065		1-ISI-AF-10 Dual Horizontal Rigid Strut				
F-A F1.20A 2	H-00191 AF-H-0324 AF-3065		1-ISI-AF-10 Horizontal Rigid Strut Restraint				
F-A F1.20A 2	H-00192 AF-H-0325 AF-3065		1-ISI-AF-10 Horizontal Rigid Strut Restraint				
F-A F1.20A 2	H-00194 AF-H-0329 AF-3065		1-ISI-AF-10 Rigid Strut Support				
F-A F1.20A 2	H-00195 AF-H-0330 AF-3065	ISI / VT	1-ISI-AF-10 Rigid Strut Hanger		s		
F-A F1.20A 2	H-00196 AF-H-0331 AF-3065	ISI / VT	1-ISI-AF-10 Rigid Strut Support	s			
F-A F1.20A 2	H-00197 AF-H-0332 AF-3065		1-ISI-AF-10 Rigid Strut Hanger				
F-A F1.20A 2	H-00218 AF-H-0388 AF-3065		1-ISI-AF-8 Rigid Strut Support				
F-A F1.20A 2	H-00219 AF-H-0389 AF-3065		1-ISI-AF-8 Rigid Strut Support				

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				1	2	3	
F-A	H-00247	ISI / VT	1-ISI-AF-102	s			
F1.20A	AF-H-0486		Dual Rigid Strut Support				
2	AF-3065						
F-A	H-00252		1-ISI-AF-8				
F1.20A	AF-H-0671		Rigid Strut Restraint				
2	AF-3065						
F-A	H-00254		1-ISI-AF-9				
F1.20A	AF-H-0674		Horizontal Rigid Strut Restraint				
2	AF-3065						
F-A	H-00255		1-ISI-AF-10				
F1.20A	AF-H-0679		Horizontal Rigid Strut Restraint				
2	AF-3065						
F-A	H-00748		1-ISI-CS-21 S01				
F1.20A	CS-H-0002		Closed Box Restraint				
2	CS-2060						
F-A	H-00749	ISI / VT	1-ISI-CS-21 S01	s			
F1.20A	CS-H-0003		Closed Box Restraint				
2	CS-2060						
F-A	H-00755	ISI / VT	1-ISI-CS-21 S01	s			
F1.20A	CS-H-0014		Rigid Strut Hanger				
2	CS-2060						
F-A	H-00756	ISI / VT	1-ISI-CS-21 S01		s		
F1.20A	CS-H-0015		Closed Box Restraint				
2	CS-2060						
F-A	H-00760		1-ISI-CS-21 S02				
F1.20A	CS-H-0019		Closed Box Restraint				
2	CS-2060						
F-A	H-00764	ISI / VT	1-ISI-CS-21 S01		s		
F1.20A	CS-H-0024		Horizontal Rigid Strut Restraint				
2	CS-2060						
F-A	H-00765	ISI / VT	1-ISI-CS-1 S01		s		
F1.20A	CS-H-0027		U Bolt Restraint				
2	CS-2060						
F-A	H-00766	ISI / VT	1-ISI-CS-1 S01		s		
F1.20A	CS-H-0029		Rigid Strut Hanger				
2	CS-2060						
F-A	H-00767		1-ISI-CS-1 S01				
F1.20A	CS-H-0030		Rigid Strut Hanger				
2	CS-2060						



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				1	2	3	
F-A F1.20A 2	H-00768 CS-H-0031 CS-2060		1-ISI-CS-1 S01 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-00770 CS-H-0035 CS-2060	ISI / VT	1-ISI-CS-1 S01 Closed Box Restraint	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-00771 CS-H-0036 CS-2060	ISI / VT	1-ISI-CS-1 S01 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F-A F1.20A 2	H-00772 CS-H-0037 CS-2060		1-ISI-CS-1 S02 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-00773 CS-H-0038 CS-2060	ISI / VT	1-ISI-CS-1 S02 Welded Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-00777 CS-H-0235 CS-2060		1-ISI-CS-21 S02 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-00782 CS-H-0863 CS-2060		1-ISI-CS-21 S01 Open Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-00837 CS-H-3343 CS-2060		1-ISI-CS-1 S02 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-00838 CS-H-3559 CS-2060		1-ISI-CS-2 S01 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-00856 CT-H-0219 CT-2070	ISI / VT	1-ISI-CT-7 S02 Dual Rigid Strut Hanger	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-00858 CT-H-0224 CT-2070		1-ISI-CT-7 S02 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-00859 CT-H-0226 CT-2070		1-ISI-CT-7 S02 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-00860 CT-H-0227 CT-2070		1-ISI-CT-7 S02 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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F-A F1.20A 2	H-00863 CT-H-0233 CT-2070	ISI / VT	1-ISI-CT-7 S02 Welded Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F-A F1.20A 2	H-00874 CT-H-0251 CT-2070		1-ISI-CT-8 S01 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-00875 CT-H-0272 CT-2070		1-ISI-CT-8 S02 Dual Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-00877 CT-H-0275 CT-2070		1-ISI-CT-8 S02 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-00878 CT-H-0276 CT-2070		1-ISI-CT-8 S02 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-00879 CT-H-0277 CT-2070		1-ISI-CT-8 S02 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-00880 CT-H-0278 CT-2070		1-ISI-CT-8 S02 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-00882 CT-H-0280 CT-2070		1-ISI-CT-8 S02 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-00883 CT-H-0281 CT-2070		1-ISI-CT-8 S02 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-00884 CT-H-0282 CT-2070	ISI / VT	1-ISI-CT-8 S02 Rigid Strut Hanger	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-00892 CT-H-0304 CT-2070		1-ISI-CT-1 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-00895 CT-H-0309 CT-2070		1-ISI-CT-1 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-00896 CT-H-0310 CT-2070		1-ISI-CT-1 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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F-A	H-00897		1-ISI-CT-1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CT-H-0312		Horizontal Rigid Strut Restraint				
2	CT-2070						
F-A	H-00901	ISI / VT	1-ISI-CT-1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CT-H-0317		Horizontal Rigid Strut Restraint				
2	CT-2070						
F-A	H-00902		1-ISI-CT-1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CT-H-0318		Rigid Strut Support				
2	CT-2070						
F-A	H-00903		1-ISI-CT-1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CT-H-0319		Horizontal Rigid Strut Restraint				
2	CT-2070						
F-A	H-00906		1-ISI-CT-1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CT-H-0325		Horizontal Rigid Strut Restraint				
2	CT-2070						
F-A	H-00909		1-ISI-CT-2 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CT-H-0331		Horizontal Rigid Strut Restraint				
2	CT-2070						
F-A	H-00913		1-ISI-CT-2 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CT-H-0338		Horizontal Rigid Strut Restraint				
2	CT-2070						
F-A	H-00916		1-ISI-CT-2 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CT-H-0341		Welded Box Restraint				
2	CT-2070						
F-A	H-00917		1-ISI-CT-2 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CT-H-0342		Welded Closed Box Restraint				
2	CT-2070						
F-A	H-00919	ISI / VT	1-ISI-CT-2 S02	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CT-H-0344		Rigid Strut Support				
2	CT-2070						
F-A	H-00920		1-ISI-CT-2 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CT-H-0345		Horizontal Rigid Strut Restraint				
2	CT-2070						
F-A	H-00923		1-ISI-CT-2 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CT-H-0349		Rigid Strut Support				
2	CT-2070						
F-A	H-00924		1-ISI-CT-2 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CT-H-0351		Horizontal Rigid Strut Restraint				
2	CT-2070						

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F-A	H-00925		1-ISI-CT-2 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CT-H-0352		Dual Horizontal Rigid Strut				
2	CT-2070						
F-A	H-00926		1-ISI-CT-2 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CT-H-0353		Welded Dual Rigid Strut Support				
2	CT-2070						
F-A	H-00929		1-ISI-CT-1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CT-H-0796		Welded Closed Box Restraint				
2	CT-2070						
F-A	H-00931		1-ISI-CT-7 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CT-H-0818		Rigid Strut Hanger				
2	CT-2070						
F-A	H-00932	ISI / VT	1-ISI-CT-7 S02	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.20A	CT-H-0819		Horizontal Rigid Strut Restraint				
2	CT-2070						
F-A	H-00933		1-ISI-CT-8 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CT-H-0886		Horizontal Rigid Strut Restraint				
2	CT-2070						
F-A	H-00934		1-ISI-CT-8 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CT-H-0887		Horizontal Rigid Strut Restraint				
2	CT-2070						
F-A	H-00935		1-ISI-CT-1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CT-H-0891		Welded Dual Rigid Strut Support				
2	CT-2070						
F-A	H-00937		1-ISI-CT-1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CT-H-0892		Horizontal Rigid Strut Restraint				
2	CT-2070						
F-A	H-00938	ISI / VT	1-ISI-CT-8 S03	s	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CT-H-0895		Horizontal Rigid Strut Restraint				
2	CT-2070						
F-A	H-01073	ISI / VT	1-ISI-FW-5	<input type="checkbox"/>	<input type="checkbox"/>	s	
F1.20A	FW-H-0102		Rigid Strut Support				
2	FW-3050						
F-A	H-01074	ISI / VT	1-ISI-FW-5	<input type="checkbox"/>	<input type="checkbox"/>	s	
F1.20A	FW-H-0104		Rigid Strut Support				
2	FW-3050						
F-A	H-01076		1-ISI-FW-5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	FW-H-0107		Rigid Strut Support				
2	FW-3050						

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F-A	H-01077		1-ISI-FW-5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	FW-H-0109		Rigid Strut Support				
2	FW-3050						
F-A	H-01078		1-ISI-FW-6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	FW-H-0112		Horizontal Rigid Strut Restraint				
2	FW-3050						
F-A	H-01080		1-ISI-FW-7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	FW-H-0119		Rigid Strut Support				
2	FW-3050						
F-A	H-01081		1-ISI-FW-7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	FW-H-0121		Rigid Strut Support				
2	FW-3050						
F-A	H-01082		1-ISI-FW-7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	FW-H-0124		Rigid Strut Support				
2	FW-3050						
F-A	H-01083	ISI / VT	1-ISI-FW-7	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	FW-H-0128		Rigid Strut Support				
2	FW-3050						
F-A	H-01084		1-ISI-FW-7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	FW-H-0130		Rigid Strut Hanger				
2	FW-3050						
F-A	H-01105		1-ISI-FW-5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	FW-H-0797		Welded Horizontal Rigid Strut				
2	FW-3050						
F-A	H-01108		1-ISI-FW-6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	FW-H-0800		Welded Horizontal Rigid Strut				
2	FW-3050						
F-A	H-01112		1-ISI-FW-7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	FW-H-0805		Horizontal Rigid Strut Restraint				
2	FW-3050						
F-A	H-01115		1-ISI-FW-7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	FW-H-0807		Horizontal Rigid Strut Restraint				
2	FW-3050						
F-A	H-01116		1-ISI-FW-7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	FW-H-0808		Rigid Support				
2	FW-3050						
F-A	H-01117		1-ISI-FW-5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	FW-H-0799		Horizontal Rigid Strut Restraint				
2	FW-3050						

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F-A F1.20A 2	H-04912 MS-H-0009 MS-3020		1-ISI-MS-3 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-04913 MS-H-0011 MS-3020		1-ISI-MS-3 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-04914 MS-H-0017 MS-3020		1-ISI-MS-4 Welded Lateral Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-04923 MS-H-0029 MS-3020		1-ISI-MS-5 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-04924 MS-H-0031 MS-3020		1-ISI-MS-5 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-04930 MS-H-0067 MS-3020		1-ISI-MS-1 S03 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-04931 MS-H-0068 MS-3020	ISI / VT	1-ISI-MS-1 S02 Lateral Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
F-A F1.20A 2	H-04932 MS-H-0069 MS-3020		1-ISI-MS-1 S01 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-04933 MS-H-0077 MS-3020		1-ISI-MS-2 S01 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-04935 MS-H-0085 MS-3020		1-ISI-MS-2 S01 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-04937 MS-H-0093 MS-3020	ISI / VT	1-ISI-MS-2 S02 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
F-A F1.20A 2	H-04939 MS-H-0168 MS-3020		1-ISI-MS-7 Lateral Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-04944 MS-H-0174 MS-3020		1-ISI-MS-7 Lateral Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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F-A F1.20A 2	H-05074 RH-H-0006 RH-2085	ISI / VT	1-ISI-SI-8 S01 Rigid Strut Support	s			
F-A F1.20A 2	H-05076 RH-H-0012 RH-2085	ISI / VT	1-ISI-RH-4 S02 Dual Rigid Strut Hanger			s	
F-A F1.20A 2	H-05081 RH-H-0015 RH-2085		1-ISI-RH-1 S02 Horizontal Rigid Strut Restraint				
F-A F1.20A 2	H-05082 RH-H-0016 RH-2085		1-ISI-RH-1 S02 Horizontal Rigid Strut Restraint				
F-A F1.20A 2	H-05083 RH-H-0017 RH-2085		1-ISI-RH-1 S02 Closed Box Restraint				
F-A F1.20A 2	H-05084 RH-H-0018 RH-2085		1-ISI-RH-1 S02 Closed Box Restraint				
F-A F1.20A 2	H-05085 RH-H-0019 RH-2085		1-ISI-RH-1 S02 Welded Dual Horizontal Rigid Strut				
F-A F1.20A 2	H-05087 RH-H-0021 RH-2085		1-ISI-RH-1 S02 Rigid Strut Hanger				
F-A F1.20A 2	H-05088 RH-H-0022 RH-2085		1-ISI-RH-1 S02 Closed Box Restraint				
F-A F1.20A 2	H-05089 RH-H-0024 RH-2085		1-ISI-RH-1 S02 Horizontal Rigid Strut Restraint				
F-A F1.20A 2	H-05090 RH-H-0031 RH-2085	ISI / VT	1-ISI-RH-1 S01 Rigid Strut Support	s			
F-A F1.20A 2	H-05091 RH-H-0032 RH-2085		1-ISI-RH-1 S01 Horizontal Rigid Strut Restraint				
F-A F1.20A 2	H-05092 RH-H-0034 RH-2085		1-ISI-RH-1 S01 Rigid Strut Hanger				

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F-A F1.20A 2	H-05093 RH-H-0035 RH-2085		1-ISI-RH-1 S01 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-05094 RH-H-0041 RH-2085		1-ISI-RH-2 S01 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-05095 RH-H-0043 RH-2085		1-ISI-RH-2 S01 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-05096 RH-H-0046 RH-2085		1-ISI-RH-2 S01 Open Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-05099 RH-H-0049 RH-2085		1-ISI-RH-2 S01 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-05100 RH-H-0051 RH-2085		1-ISI-RH-2 S01 Dual Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-05101 RH-H-0052 RH-2085		1-ISI-RH-2 S01 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-05102 RH-H-0059 RH-2085	ISI / VT	1-ISI-RH-2 S01 Rigid Strut Hanger	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.20A 2	H-05103 RH-H-0060 RH-2085		1-ISI-RH-2 S01 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-05104 RH-H-0061 RH-2085		1-ISI-RH-2 S01 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-05106 RH-H-0064 RH-2085		1-ISI-RH-4 S01 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-05107 RH-H-0066 RH-2085	ISI / VT	1-ISI-CS-2 S01 Welded Closed Box Restraint	s	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-05109 RH-H-0068 RH-2085		1-ISI-CS-2 S02 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



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F-A F1.20A 2	H-05110 RH-H-0069 RH-2085		1-ISI-CS-2 S02 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-05111 RH-H-0074 RH-2085		1-ISI-CS-2 S03 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-05112 RH-H-0075 RH-2085		1-ISI-CS-21 S02 Dual Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-05115 RH-H-0080 RH-2085	ISI / VT	1-ISI-CS-2 S03 Welded Strut Support	<input type="checkbox"/> s	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-05117 RH-H-0081 RH-2085		1-ISI-CS-2 S03 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-05118 RH-H-0082 RH-2085		1-ISI-CS-2 S02 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-05119 RH-H-0087 RH-2085	ISI / VT	1-ISI-CS-2 S01 Rigid Strut Support	<input type="checkbox"/> s	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-05120 RH-H-0098 RH-2085		1-ISI-RH-4 S02 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-05121 RH-H-0099 RH-2085		1-ISI-RH-4 S02 Welded Dual Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-05123 RH-H-0100 RH-2085		1-ISI-RH-4 S01 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-05125 RH-H-0104 RH-2085		1-ISI-RH-4 S01 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-05133 RH-H-0128 RH-2085		1-ISI-RH-1 S01 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-05144 RH-H-0156 RH-2085	ISI / VT	1-ISI-RH-4 S01 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/> s	<input type="checkbox"/>	

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F-A F1.20A 2	H-05146 RH-H-0159 RH-2085		1-ISI-RH-4 S01 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-05149 RH-H-0170 RH-2085		1-ISI-CS-2 S02 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-05151 RH-H-0174 RH-2085		1-ISI-CS-2 S01 Welded Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The related welded attachment is on H-5148 or support RH-H-0165
F-A F1.20A 2	H-05153 RH-H-0175 RH-2085		1-ISI-CS-2 S03 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-05157 RH-H-0184 RH-2085		1-ISI-RH-4 S01 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-05160 RH-H-0187 RH-2085		1-ISI-RH-1 S02 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-05162 RH-H-0244 RH-2085		1-ISI-CS-2 S01 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-05164 RH-H-0266 RH-2085		1-ISI-SI-8 S02 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-05165 RH-H-0267 RH-2085		1-ISI-CS-21 S02 Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-05167 RH-H-0291 RH-2085		1-ISI-RH-2 S01 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-05168 RH-H-0313 RH-2085		1-ISI-SI-8 S02 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-05170 RH-H-0315 RH-2085	ISI / VT	1-ISI-SI-8 S02 Rigid Strut Support	<input type="checkbox"/>	s	<input type="checkbox"/>	

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				1	2	3	
F-A F1.20A 2	H-05173 RH-H-0352 RH-2085		1-ISI-RH-2 S01 Dual Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-05174 RH-H-0354 RH-2085		1-ISI-CS-2 S03 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-05177 RH-H-0750 RH-2085		1-ISI-RH-4 S01 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	This support is not shown on Rev.1 of Iso but is issued in Fusion. This support is located on Valve 1RH-57.
F-A F1.20A 2	H-05178 RH-H-0751 RH-2085		1-ISI-CS-2 S01 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	This support is not shown on Rev.1 of Iso but is issued in Fusion. This support is located on Valve 1RH-19.
F-A F1.20A 2	H-05284 SI-H-0008 SI-2080	ISI / VT	1-ISI-SI-8 S02 Welded Dual Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	
F-A F1.20A 2	H-05286 SI-H-0010 SI-2080	ISI / VT	1-ISI-SI-8 S02 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	
F-A F1.20A 2	H-05287 SI-H-0012 SI-2080		1-ISI-SI-8 S01 Dual Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-05288 SI-H-0013 SI-2080	ISI / VT	1-ISI-SI-8 S01 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	
F-A F1.20A 2	H-05289 SI-H-0014 SI-2080	ISI / VT	1-ISI-SI-8 S01 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	
F-A F1.20A 2	H-05290 SI-H-0015 SI-2080	ISI / VT	1-ISI-SI-8 S01 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	
F-A F1.20A 2	H-05293 SI-H-0017 SI-2080	ISI / VT	1-ISI-SI-8 S02 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	
F-A F1.20A 2	H-05294 SI-H-0018 SI-2080	ISI / VT	1-ISI-SI-8 S02 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	

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				1	2	3	
F-A F1.20A 2	H-05296 SI-H-0025 SI-2080	ISI / VT	1-ISI-SI-8 S01 Rigid Strut Support	s			
F-A F1.20A 2	H-05297 SI-H-0027 SI-2080		1-ISI-RH-1 S01 Dual Rigid Strut Support				
F-A F1.20A 2	H-05299 SI-H-0029 SI-2080		1-ISI-RH-1 S02 Closed Box Restraint				
F-A F1.20A 2	H-05300 SI-H-0031 SI-2080		1-ISI-RH-1 S02 Dual Horizontal Rigid Strut				
F-A F1.20A 2	H-05304 SI-H-0036 SI-2080		1-ISI-SI-9 Rigid Strut Hanger				
F-A F1.20A 2	H-05305 SI-H-0039 SI-2080	ISI / VT	1-ISI-SI-9 Horizontal Rigid Strut Restraint	s			
F-A F1.20A 2	H-05306 SI-H-0040 SI-2080	ISI / VT	1-ISI-SI-9 Rigid Strut Support			s	
F-A F1.20A 2	H-05307 SI-H-0042 SI-2080		1-ISI-SI-9 Rigid Strut Hanger				
F-A F1.20A 2	H-05308 SI-H-0043 SI-2080		1-ISI-SI-9 Rigid Strut Hanger				
F-A F1.20A 2	H-05317 SI-H-0052 SI-2080		1-ISI-RH-2 S02 Closed Box Restraint				
F-A F1.20A 2	H-05318 SI-H-0054 SI-2080		1-ISI-RH-2 S02 Dual Horizontal Rigid Strut				
F-A F1.20A 2	H-05320 SI-H-0056 SI-2080		1-ISI-SI-8 S01 Rigid Strut Support				
F-A F1.20A 2	H-05321 SI-H-0057 SI-2080	ISI / VT	1-ISI-SI-8 S01 Welded Dual Horizontal Rigid Strut	s			

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				1	2	3	
F-A	H-05323		1-ISI-SI-8 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0059		Rigid Strut Hanger				
2	SI-2080						
F-A	H-05344		1-ISI-SI-26 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0150		Rigid Strut Hanger				
2	SI-2080						
F-A	H-05345		1-ISI-SI-26 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0155		Rigid Strut Hanger				
2	SI-2080						
F-A	H-05347		1-ISI-SI-28 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0159		Rigid Strut Support				
2	SI-2080						
F-A	H-05348		1-ISI-SI-28 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0160		Rigid Strut Support				
2	SI-2080						
F-A	H-05349		1-ISI-SI-28 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0161		Rigid Strut Support				
2	SI-2080						
F-A	H-05350		1-ISI-SI-28 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0163		Rigid Strut Support				
2	SI-2080						
F-A	H-05351		1-ISI-SI-28 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0165		Closed Box Restraint				
2	SI-2080						
F-A	H-05352	ISI / VT	1-ISI-SI-28 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
F1.20A	SI-H-0166		Rigid Strut Hanger				
2	SI-2080						
F-A	H-05359		1-ISI-SI-27 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0179		Rigid Strut Hanger				
2	SI-2080						
F-A	H-05361		1-ISI-SI-27 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0183		Open Box Restraint				
2	SI-2080						
F-A	H-05370		1-ISI-SI-24 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0234		Rigid Strut Hanger				
2	SI-2080						
F-A	H-05373		1-ISI-SI-24 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0242		Welded Box Restraint				
2	SI-2080						

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				1	2	3	
F-A	H-05377		1-ISI-SI-26 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0248		Rigid Strut Support				
2	SI-2080						
F-A	H-05378	ISI / VT	1-ISI-SI-25 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0250		Rigid Strut Support				
2	SI-2080						
F-A	H-05379		1-ISI-SI-25 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0253		Rigid Strut Support				
2	SI-2080						
F-A	H-05380		1-ISI-SI-25 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0255		Open Box Restraint				
2	SI-2080						
F-A	H-05409		1-ISI-SI-8 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0417		Rigid Strut Hanger				
2	SI-2080						
F-A	H-05410		1-ISI-SI-9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0420		Welded Dual Horizontal Rigid Strut				
2	SI-2080						
F-A	H-05426	ISI / VT	1-ISI-SI-9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0882		Dual Horizontal Rigid Strut				
2	SI-2080						
F-A	H-05427		1-ISI-SI-8 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0891		Rigid Strut Hanger				
2	SI-2080						
F-A	H-05431	ISI / VT	1-ISI-SI-24 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0980		Rigid Strut Support				
2	SI-2080						
F-A	H-05436		1-ISI-SI-26 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-1030		Horizontal Rigid Strut Restraint				
2	SI-2080						
F-A	H-05437		1-ISI-SI-26 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-1031		Closed Box Restraint				
2	SI-2080						
F-A	H-05439		1-ISI-SI-8 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-1186		Horizontal Rigid Strut Restraint				
2	SI-2080						
F-A	H-05443		1-ISI-SI-26 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-1200		Rigid Strut Hanger				
2	SI-2080						

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				1	2	3	
F-A	H-05446		1-ISI-RH-2 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-1284		Welded Box Restraint				
2	SI-2080						
F-A	H-05448	ISI / VT	1-ISI-RH-2 S02	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.20A	SI-H-1285		Dual Rigid Strut Support				
2	SI-2080						
F-A	H-07301		1-ISI-AF-5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	AF-H-0009		Rigid Strut Support				
2	AF-3065						
F-A	H-07302		1-ISI-AF-5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	AF-H-0010		Rigid Strut Support				
2	AF-3065						
F-A	H-07303		1-ISI-AF-5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	AF-H-0021		Rigid Support				
2	AF-3065						
F-A	H-07304		1-ISI-AF-6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	AF-H-0041		Horizontal Rigid Strut Restraint				
2	AF-3065						
F-A	H-07305		1-ISI-AF-6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	AF-H-0042		Rigid Strut Support				
2	AF-3065						
F-A	H-07306		1-ISI-AF-6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	AF-H-0039		Rigid Strut Support				
2	AF-3065						
F-A	H-07307		1-ISI-AF-6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	AF-H-0040		Rigid Strut Support				
2	AF-3065						
F-A	H-07309		1-ISI-AF-7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	AF-H-0070		Horizontal Rigid Strut Restraint				
2	AF-3065						
F-A	H-09692		1-ISI-SI-4 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0382		Closed Box Restraint				
2	SI-2080						
F-A	H-09694	ISI / VT	1-ISI-SI-4 S01	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.20A	SI-H-0384		Closed Box Restraint				
2	SI-2080						
F-A	H-09695		1-ISI-SI-4 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0386		Closed Box Restraint				
2	SI-2080						

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F-A	H-09696	ISI / VT	1-ISI-SI-4 S01	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.20A	SI-H-0388		Rigid Strut Support				
2	SI-2080						
F-A	H-09698		1-ISI-SI-4 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0391		Rigid Strut Support				
2	SI-2080						
F-A	H-09699		1-ISI-SI-4 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0392		Horizontal Rigid Strut Restraint				
2	SI-2080						
F-A	H-09700		1-ISI-SI-4 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0393		Rigid Strut Support				
2	SI-2080						
F-A	H-09701		1-ISI-SI-4 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0394		Horizontal Rigid Strut Restraint				
2	SI-2080						
F-A	H-09702		1-ISI-SI-4 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0395		Rigid Strut Support				
2	SI-2080						
F-A	H-09703		1-ISI-SI-4 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0396		Horizontal Rigid Strut Restraint				
2	SI-2080						
F-A	H-09705		1-ISI-SI-4 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0400		Rigid Strut Support				
2	SI-2080						
F-A	H-09706		1-ISI-SI-4 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0401		Horizontal Rigid Strut Restraint				
2	SI-2080						
F-A	H-09707		1-ISI-SI-4 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0402		Rigid Strut Support				
2	SI-2080						
F-A	H-09709		1-ISI-SI-4 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0409		Horizontal Rigid Strut Restraint				
2	SI-2080						
F-A	H-09710		1-ISI-SI-4 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0410		Closed Box Restraint				
2	SI-2080						
F-A	H-09711	ISI / VT	1-ISI-SI-4 S01	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.20A	SI-H-0412		Closed Box Restraint				
2	SI-2080						



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				1	2	3	
F-A F1.20A 2	H-09712 SI-H-0413 SI-2080		1-ISI-SI-4 S01 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-09715 SI-H-0441 SI-2080	ISI / VT	1-ISI-SI-19 S02 Rigid Strut Support	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.20A 2	H-09716 SI-H-0443 SI-2080		1-ISI-SI-19 S02 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-09725 SI-H-0462 SI-2080		1-ISI-SI-19 S01 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-09727 SI-H-0465 SI-2080		1-ISI-SI-19 S01 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-09728 SI-H-0466 SI-2080		1-ISI-SI-19 S01 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-09729 SI-H-0467 SI-2080		1-ISI-SI-19 S01 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-09730 SI-H-0468 SI-2080		1-ISI-SI-19 S01 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-09731 SI-H-0469 SI-2080		1-ISI-SI-19 S01 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-09732 SI-H-0471 SI-2080		1-ISI-SI-19 S01 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-09733 SI-H-0474 SI-2080		1-ISI-SI-20 S01 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-09742 SI-H-0495 SI-2080		1-ISI-SI-20 S02 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-09746 SI-H-0548 SI-2080		1-ISI-SI-29 S01 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
F-A	H-09747		1-ISI-SI-29 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0549		Rigid Strut Support				
2	SI-2080						
F-A	H-09748	ISI / VT	1-ISI-SI-29 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F1.20A	SI-H-0550		Dual Rigid Strut Support				
2	SI-2080						
F-A	H-09749		1-ISI-SI-29 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0551		Rigid Strut Support				
2	SI-2080						
F-A	H-09750		1-ISI-SI-29 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0552		Horizontal Rigid Strut Restraint				
2	SI-2080						
F-A	H-09751		1-ISI-SI-29 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0553		Rigid Strut Support				
2	SI-2080						
F-A	H-09752		1-ISI-SI-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0564		Rigid Strut Support				
2	SI-2080						
F-A	H-09753		1-ISI-SI-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0566		Rigid Strut Support				
2	SI-2080						
F-A	H-09754		1-ISI-SI-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0567		Rigid Strut Restraint				
2	SI-2080						
F-A	H-09762		1-ISI-SI-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0589		Open Box Restraint				
2	SI-2080						
F-A	H-09763		1-ISI-SI-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0592		Open Box Restraint				
2	SI-2080						
F-A	H-09764		1-ISI-SI-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0594		Rigid Strut Support				
2	SI-2080						
F-A	H-09765		1-ISI-SI-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0596		Rigid Strut Support				
2	SI-2080						
F-A	H-09766		1-ISI-SI-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0598		Rigid Strut Support				
2	SI-2080						

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F-A	H-09780		1-ISI-SI-19 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0872		Horizontal Rigid Strut Restraint				
2	SI-2080						
F-A	H-09781		1-ISI-SI-20 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0875		Rigid Strut Support				
2	SI-2080						
F-A	H-09787	ISI / VT	1-ISI-SI-20 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
F1.20A	SI-H-1089		Rigid Strut Support				
2	SI-2080						
F-A	H-09788		1-ISI-SI-20 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-1090		Horizontal Rigid Strut Restraint				
2	SI-2080						
F-A	H-09801		1-ISI-SI-29 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-1162		Rigid Strut Support				
2	SI-2080						
F-A	H-09804		1-ISI-SI-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-1177		Rigid Strut Restraint				
2	SI-2080						
F-A	H-09805		1-ISI-SI-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-1179		Rigid Strut Restraint				
2	SI-2080						
F-A	H-09831		1-ISI-SI-4 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0072		Open Box Restraint				
2	SI-2080						
F-A	H-09868		1-ISI-SI-18	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0346		Rigid Strut Support				
2	SI-2080						
F-A	H-09869		1-ISI-SI-18	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0348		Rigid Strut Support				
2	SI-2080						
F-A	H-09876		1-ISI-AF-6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	AF-H-0051		Rigid Strut Support				
2	AF-3065						
F-A	H-09877		1-ISI-AF-7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	AF-H-0071		Rigid Strut Support				
2	AF-3065						
F-A	H-09917		1-ISI-RH-1 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CT-H-0298		Dual Rigid Strut Support				
2	CT-2070						

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				1	2	3	
F-A	H-09918		1-ISI-RH-1 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CT-H-0299		Horizontal Rigid Strut Restraint				
2	CT-2070						
F-A	H-09919		1-ISI-RH-1 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CT-H-0300		Horizontal Rigid Strut Restraint				
2	CT-2070						
F-A	H-09921		1-ISI-RH-2 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CT-H-0358		Rigid Strut Support				
2	CT-2070						
F-A	H-09922		1-ISI-RH-2 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CT-H-0973		Horizontal Rigid Strut Restraint				
2	CT-2070						
F-A	H-09957		1-ISI-CT-8 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CT-H-0250		Closed Box Restraint				
2	CT-2070						
F-A	H-09958		1-ISI-CT-8 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CT-H-0265		U-Bolt Restraint				
2	CT-2070						
F-A	H-09968		1-ISI-CT-7 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CT-H-0204		Dual Horizontal Rigid Strut				
2	CT-2070						
F-A	H-09970		1-ISI-CT-7 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CT-H-0205		Rigid Strut Support				
2	CT-2070						
F-A	H-09972		1-ISI-CT-7 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CT-H-0206		Horizontal Rigid Strut Restraint				
2	CT-2070						
F-A	H-09973	ISI / VT	1-ISI-CT-7 S01	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.20A	CT-H-0207		Dual Horizontal Rigid Strut				
2	CT-2070						
F-A	H-09975		1-ISI-CT-7 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CT-H-0208		Dual Horizontal Rigid Strut				
2	CT-2070						
F-A	H-09978	ISI / VT	1-ISI-CT-7 S01	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.20A	CT-H-0213		Rigid Strut Support				
2	CT-2070						
F-A	H-09981	ISI / VT	1-ISI-CT-8 S01	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.20A	CT-H-0252		Closed Box Restraint				
2	CT-2070						

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				1	2	3	
F-A	H-09983		1-ISI-CT-8 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CT-H-0256		Rigid Strut Support				
2	CT-2070						
F-A	H-09984		1-ISI-CT-8 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CT-H-0257		Rigid Strut Support				
2	CT-2070						
F-A	H-09985		1-ISI-CT-8 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CT-H-0258		Rigid Strut Support				
2	CT-2070						
F-A	H-09986		1-ISI-CT-8 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CT-H-0259		Rigid Strut Support				
2	CT-2070						
F-A	H-09988		1-ISI-CT-8 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CT-H-0260		Rigid Strut Support				
2	CT-2070						
F-A	H-09989		1-ISI-CT-8 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CT-H-0261		Rigid Strut Support				
2	CT-2070						
F-A	H-09990	ISI / VT	1-ISI-CT-8 S01	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.20A	CT-H-0262		Horizontal Rigid Strut Restraint				
2	CT-2070						
F-A	H-09992		1-ISI-CT-7 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CT-H-0862		Rigid Strut Support				
2	CT-2070						
F-A	H-10002		1-ISI-SW-93 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-0221		Open Box Restraint				
2	SW-4065						
F-A	H-10003		1-ISI-SW-93 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-0219		Closed Box Restraint				
2	SW-4065						
F-A	H-10004	ISI / VT	1-ISI-SW-93 S01	<input type="checkbox"/>	<input type="checkbox"/>	s	
F1.20A	SW-H-1922		Rigid Strut Support				
2	SW-4065						
F-A	H-10005	ISI / VT	1-ISI-SW-93 S01	<input type="checkbox"/>	<input type="checkbox"/>	s	
F1.20A	SW-H-0218		Dual Rigid Strut Support				
2	SW-4065						
F-A	H-10008	ISI / VT	1-ISI-SW-93 S02	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.20A	SW-H-2007		Rigid Strut Support				
2	SW-4065						

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				1	2	3	
F-A F1.20A 2	H-10009 SW-H-2008 SW-4065	ISI / VT	1-ISI-SW-93 S02 Rigid Strut Support	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	<input type="checkbox"/>	
F-A F1.20A 2	H-10010 SW-H-2009 SW-4065		1-ISI-SW-93 S02 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10011 SW-H-2010 SW-4065		1-ISI-SW-93 S02 Horizontal Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10012 SW-H-2006 SW-4065		1-ISI-SW-93 S02 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10014 SW-H-2011 SW-4065		1-ISI-SW-93 S02 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10015 SW-H-2012 SW-4065		1-ISI-SW-93 S02 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10017 SW-H-2019 SW-4065		1-ISI-SW-93 S02 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10018 SW-H-2020 SW-4065		1-ISI-SW-93 S02 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10019 SW-H-2021 SW-4065		1-ISI-SW-93 S02 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10022 SW-H-2060 SW-4065	ISI / VT	1-ISI-SW-92 S02 Dual Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	
F-A F1.20A 2	H-10024 SW-H-2055 SW-4065		1-ISI-SW-92 S02 Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10025 SW-H-2056 SW-4065		1-ISI-SW-92 S02 Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10027 SW-H-0202 SW-4065		1-ISI-SW-92 S01 Open Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
F-A	H-10029		1-ISI-SW-92 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-2047		Closed Box Restraint				
2	SW-4065						
F-A	H-10033		1-ISI-SW-92 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-2051		Open Box Restraint				
2	SW-4065						
F-A	H-10034		1-ISI-SW-87 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-0246		Rigid Strut Support				
2	SW-4065						
F-A	H-10040		1-ISI-SW-87 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-0255		Rigid Strut Support				
2	SW-4065						
F-A	H-10041		1-ISI-SW-87 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-0256		Dual Rigid Strut Support				
2	SW-4065						
F-A	H-10042		1-ISI-SW-87 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-0257		Rigid Strut Support				
2	SW-4065						
F-A	H-10043		1-ISI-SW-87 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-0258		Rigid Strut Support				
2	SW-4065						
F-A	H-10044		1-ISI-SW-87 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-0260		Rigid Strut Support				
2	SW-4065						
F-A	H-10045		1-ISI-SW-87 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-0261		Rigid Strut Support				
2	SW-4065						
F-A	H-10046	ISI / VT	1-ISI-SW-87 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
F1.20A	SW-H-0262		Rigid Strut Support				
2	SW-4065						
F-A	H-10047		1-ISI-SW-87 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-1884		Rigid Strut Support				
2	SW-4065						
F-A	H-10048		1-ISI-SW-87 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-1885		Dual Rigid Strut Support				
2	SW-4065						
F-A	H-10051		1-ISI-SW-87 S03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-1895		Rigid Strut Support				
2	SW-4065						

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F-A	H-10052		1-ISI-SW-87 S03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-1896		Rigid Strut Support				
2	SW-4065						
F-A	H-10054		1-ISI-SW-87 S03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-1899		Closed Box Restraint				
2	SW-4065						
F-A	H-10055	ISI / VT	1-ISI-SW-86 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
F1.20A	SW-H-0244		Dual Rigid Strut Support				
2	SW-4065						
F-A	H-10056		1-ISI-SW-86 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-0245		Rigid Strut Support				
2	SW-4065						
F-A	H-10060		1-ISI-SW-86 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-4116		Rigid Strut Support				
2	SW-4065						
F-A	H-10061		1-ISI-SW-86 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-1925		Rigid Strut Support				
2	SW-4065						
F-A	H-10063		1-ISI-SW-86 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-0234		Rigid Strut Support				
2	SW-4065						
F-A	H-10064		1-ISI-SW-86 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-4191		Rigid Strut Support				
2	SW-4065						
F-A	H-10065	ISI / VT	1-ISI-SW-86 S02	<input type="checkbox"/>	<input type="checkbox"/> s	<input type="checkbox"/>	
F1.20A	SW-H-0233		Dual Rigid Support				
2	SW-4065						
F-A	H-10068		1-ISI-SW-86 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-0227		U-Bolt Restraint				
2	SW-4065						
F-A	H-10069		1-ISI-SW-86 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-0228		Dual Rigid Strut Support				
2	SW-4065						
F-A	H-10070		1-ISI-SW-86 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-0226		Rigid Strut Support				
2	SW-4065						
F-A	H-10071		1-ISI-SW-86 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-1991		Rigid Strut Restraint				
2	SW-4065						



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F-A F1.20A 2	H-10072 SW-H-1993 SW-4065		1-ISI-SW-86 S02 Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10073 SW-H-1990 SW-4065	ISI / VT	1-ISI-SW-86 S03 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	
F-A F1.20A 2	H-10074 SW-H-1985 SW-4065		1-ISI-SW-86 S03 Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10076 SW-H-1988 SW-4065		1-ISI-SW-86 S03 Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10077 SW-H-0200 SW-4065		1-ISI-SW-91 S01 Horizontal Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10078 SW-H-0199 SW-4065		1-ISI-SW-91 S01 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10081 SW-H-1912 SW-4065		1-ISI-SW-91 S01 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10086 SW-H-0186 SW-4065	ISI / VT	1-ISI-SW-91 S02 Horizontal Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	
F-A F1.20A 2	H-10087 SW-H-0185 SW-4065		1-ISI-SW-91 S02 Horizontal Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10089 SW-H-1913 SW-4065		1-ISI-SW-91 S02 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10090 SW-H-1914 SW-4065		1-ISI-SW-91 S02 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10092 SW-H-2205 SW-4065		1-ISI-SW-91 S03 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10093 SW-H-2206 SW-4065		1-ISI-SW-91 S03 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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F-A	H-10094		1-ISI-SW-91 S03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-2209		Rigid Strut Support				
2	SW-4065						
F-A	H-10095		1-ISI-SW-91 S03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-2210		Dual Rigid Strut Support				
2	SW-4065						
F-A	H-10096		1-ISI-SW-91 S03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-2029		Rigid Strut Support				
2	SW-4065						
F-A	H-10097	ISI / VT	1-ISI-SW-91 S03	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.20A	SW-H-2211		Rigid Strut Support				
2	SW-4065						
F-A	H-10098	ISI / VT	1-ISI-SW-91 S03	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.20A	SW-H-2212		Rigid Strut Support				
2	SW-4065						
F-A	H-10099		1-ISI-SW-91 S03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-2215		Rigid Strut Support				
2	SW-4065						
F-A	H-10103		1-ISI-SW-90 S03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-2034		Rigid Strut Support				
2	SW-4065						
F-A	H-10104		1-ISI-SW-90 S03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-2035		Rigid Strut Restraint				
2	SW-4065						
F-A	H-10105		1-ISI-SW-90 S03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-2036		Rigid Strut Restraint				
2	SW-4065						
F-A	H-10106		1-ISI-SW-90 S03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-2038		Rigid Strut Support				
2	SW-4065						
F-A	H-10107	ISI / VT	1-ISI-SW-90 S02	<input type="checkbox"/>	<input type="checkbox"/>	s	
F1.20A	SW-H-2039		Rigid Strut Support				
2	SW-4065						
F-A	H-10108		1-ISI-SW-90 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-2041		Rigid Strut Support				
2	SW-4065						
F-A	H-10109		1-ISI-SW-90 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-0165		Rigid Strut Support				
2	SW-4065						

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				1	2	3	
F-A F1.20A 2	H-10110 SW-H-0164 SW-4065		1-ISI-SW-90 S02 Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10111 SW-H-0166 SW-4065	ISI / VT	1-ISI-SW-90 S02 Rigid Strut Support	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.20A 2	H-10112 SW-H-0167 SW-4065		1-ISI-SW-90 S02 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10113 SW-H-0168 SW-4065		1-ISI-SW-90 S01 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10116 SW-H-1917 SW-4065		1-ISI-SW-90 S01 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10120 SW-H-0180 SW-4065	ISI / VT	1-ISI-SW-90 S01 Dual Rigid Strut Support	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.20A 2	H-10121 SW-H-0162 SW-4065		1-ISI-SW-89 S01 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10122 SW-H-1911 SW-4065		1-ISI-SW-89 S01 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10125 SW-H-0155 SW-4065	ISI / VT	1-ISI-SW-89 S02 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	s	
F-A F1.20A 2	H-10127 SW-H-0152 SW-4065		1-ISI-SW-89 S03 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10128 SW-H-0151 SW-4065		1-ISI-SW-89 S03 Horizontal Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10129 SW-H-0150 SW-4065		1-ISI-SW-89 S03 Horizontal Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10131 SW-H-0147 SW-4065		1-ISI-SW-89 S03 Horizontal Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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F-A	H-10132		1-ISI-SW-89 S03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-0146		Rigid Strut Support				
2	SW-4065						
F-A	H-10133		1-ISI-SW-89 S03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-0145		Rigid Strut Support				
2	SW-4065						
F-A	H-10134		1-ISI-SW-89 S03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-0144		U-Bolt Restraint				
2	SW-4065						
F-A	H-10135		1-ISI-SW-89 S03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-0143		Rigid Strut Support				
2	SW-4065						
F-A	H-10136		1-ISI-SW-89 S03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-0142		Rigid Strut Support				
2	SW-4065						
F-A	H-10137		1-ISI-SW-89 S03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-0141		Rigid Strut Support				
2	SW-4065						
F-A	H-10139	ISI / VT	1-ISI-SW-89 S03	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.20A	SW-H-2180		Rigid Strut Support				
2	SW-4065						
F-A	H-10140	ISI / VT	1-ISI-SW-89 S03	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.20A	SW-H-2181		Rigid Strut Support				
2	SW-4065						
F-A	H-10141		1-ISI-SW-89 S04	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-2182		Dual Rigid Strut Support				
2	SW-4065						
F-A	H-10142		1-ISI-SW-89 S04	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-2183		Rigid Strut Support				
2	SW-4065						
F-A	H-10143		1-ISI-SW-89 S04	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-2184		Dual Horizontal Rigid Strut Support				
2	SW-4065						
F-A	H-10144		1-ISI-SW-89 S04	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-2185		Rigid Strut Support				
2	SW-4065						
F-A	H-10145		1-ISI-SW-89 S04	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-2186		Rigid Strut Support				
2	SW-4065						

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				1	2	3	
F-A F1.20A 2	H-10146 SW-H-1977 SW-4065		1-ISI-SW-88 S04 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10147 SW-H-1976 SW-4065		1-ISI-SW-88 S04 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10149 SW-H-1970 SW-4065		1-ISI-SW-88 S04 Dual Horizontal Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10150 SW-H-1971 SW-4065		1-ISI-SW-88 S03 Horizontal Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10151 SW-H-1972 SW-4065		1-ISI-SW-88 S03 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10152 SW-H-1975 SW-4065		1-ISI-SW-88 S03 2 Way Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10154 SW-H-0120 SW-4065		1-ISI-SW-88 S03 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10155 SW-H-0121 SW-4065		1-ISI-SW-88 S03 Dual Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10156 SW-H-0122 SW-4065		1-ISI-SW-88 S03 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10157 SW-H-0123 SW-4065	ISI / VT	1-ISI-SW-88 S03 Dual Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
F-A F1.20A 2	H-10158 SW-H-0124 SW-4065		1-ISI-SW-88 S03 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10159 SW-H-0125 SW-4065		1-ISI-SW-88 S03 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10160 SW-H-0126 SW-4065		1-ISI-SW-88 S03 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
F-A	H-10162		1-ISI-SW-88 S03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-0129		Rigid Strut Support				
2	SW-4065						
F-A	H-10163		1-ISI-SW-88 S03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-1930		Rigid Strut Support				
2	SW-4065						
F-A	H-10166		1-ISI-SW-88 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-0132		Rigid Strut Support				
2	SW-4065						
F-A	H-10167		1-ISI-SW-88 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-1928		Rigid Strut Support				
2	SW-4065						
F-A	H-10171		1-ISI-SW-88 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SW-H-0139		Rigid Strut Support				
2	SW-4065						
F-A	H-10201		1-ISI-CS-22	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CS-H-0109		Rigid Strut Support				
2	CS-2060						
F-A	H-10202		1-ISI-CS-22	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CS-H-0110		Rigid Strut Support				
2	CS-2060						
F-A	H-10204		1-ISI-CS-22	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CS-H-0113		Rigid Strut Support				
2	CS-2060						
F-A	H-10205		1-ISI-CS-22	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CS-H-0114		Rigid Strut Support				
2	CS-2060						
F-A	H-10209	ISI / VT	1-ISI-CS-6 S01	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.20A	CS-H-0117		Rigid Strut Support				
2	CS-2060						
F-A	H-10211		1-ISI-CS-6 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CS-H-0120		Dual Rigid Strut Support				
2	CS-2060						
F-A	H-10212		1-ISI-CS-6 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CS-H-0121		Horizontal Rigid Strut Support				
2	CS-2060						
F-A	H-10213		1-ISI-CS-6 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CS-H-0127		Closed Box Restraint				
2	CS-2060						

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				1	2	3	
F-A	H-10214		1-ISI-CS-6 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CS-H-0139		Closed Box Restraint				
2	CS-2060						
F-A	H-10215		1-ISI-CS-6 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CS-H-0140		Rigid Strut Support				
2	CS-2060						
F-A	H-10217		1-ISI-CS-7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CS-H-0124		Dual Rigid Strut Support				
2	CS-2060						
F-A	H-10218		1-ISI-CS-7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CS-H-0125		Closed Box Restraint				
2	CS-2060						
F-A	H-10219		1-ISI-CS-7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CS-H-0485		Closed Box Restraint				
2	CS-2060						
F-A	H-10220		1-ISI-CS-7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CS-H-0150		Closed Box Restraint				
2	CS-2060						
F-A	H-10221		1-ISI-CS-7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	CS-H-0486		Closed Box Restraint				
2	CS-2060						
F-A	H-10222		1-ISI-SI-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0878		Rigid Strut Support				
2	SI-2080						
F-A	H-10223		1-ISI-SI-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0879		Horizontal Rigid Strut Support				
2	SI-2080						
F-A	H-10224		1-ISI-SI-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0880		Rigid Strut Support				
2	SI-2080						
F-A	H-10225		1-ISI-SI-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0881		Horizontal Rigid Strut Support				
2	SI-2080						
F-A	H-10226		1-ISI-SI-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0061		Dual Rigid Strut Support				
2	SI-2080						
F-A	H-10227		1-ISI-SI-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0063		Rigid Strut Support				
2	SI-2080						

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				1	2	3	
<b>F-A</b>	H-10228		1-ISI-SI-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0065		Rigid Strut Support				
2	SI-2080						
<b>F-A</b>	H-10230		1-ISI-SI-11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0075		Rigid Strut Support				
2	SI-2080						
<b>F-A</b>	H-10231		1-ISI-SI-11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0076		Rigid Strut Support				
2	SI-2080						
<b>F-A</b>	H-10232		1-ISI-SI-11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0077		Rigid Strut Support				
2	SI-2080						
<b>F-A</b>	H-10233		1-ISI-SI-11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0078		Horizontal Rigid Strut Support				
2	SI-2080						
<b>F-A</b>	H-10234		1-ISI-SI-11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0079		Rigid Strut Support				
2	SI-2080						
<b>F-A</b>	H-10235		1-ISI-SI-11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0080		Horizontal Rigid Strut Support				
2	SI-2080						
<b>F-A</b>	H-10237		1-ISI-SI-11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0085		Rigid Strut Support				
2	SI-2080						
<b>F-A</b>	H-10238		1-ISI-SI-11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0086		Rigid Strut Support				
2	SI-2080						
<b>F-A</b>	H-10239		1-ISI-SI-11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0087		Rigid Strut Support				
2	SI-2080						
<b>F-A</b>	H-10240		1-ISI-SI-11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0088		Rigid Strut Support				
2	SI-2080						
<b>F-A</b>	H-10241		1-ISI-SI-11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0089		Rigid Strut Support				
2	SI-2080						
<b>F-A</b>	H-10242		1-ISI-SI-11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0090		Horizontal Rigid Strut Support				
2	SI-2080						



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				1	2	3	
F-A	H-10243		1-ISI-SI-11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0091		Rigid Strut Support				
2	SI-2080						
F-A	H-10244		1-ISI-SI-11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0092		Horizontal Rigid Strut Support				
2	SI-2080						
F-A	H-10245		1-ISI-SI-11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0093		Rigid Strut Support				
2	SI-2080						
F-A	H-10246		1-ISI-SI-11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0094		Horizontal Rigid Strut Support				
2	SI-2080						
F-A	H-10247		1-ISI-SI-11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0095		Rigid Strut Support				
2	SI-2080						
F-A	H-10248		1-ISI-SI-11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0097		Rigid Strut Support				
2	SI-2080						
F-A	H-10249		1-ISI-SI-11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0098		Rigid Strut Support				
2	SI-2080						
F-A	H-10250		1-ISI-SI-11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0099		Rigid Strut Support				
2	SI-2080						
F-A	H-10251		1-ISI-SI-11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0100		Rigid Strut Support				
2	SI-2080						
F-A	H-10252		1-ISI-SI-11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0101		Rigid Strut Support				
2	SI-2080						
F-A	H-10253		1-ISI-SI-11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0102		Rigid Strut Support				
2	SI-2080						
F-A	H-10255		1-ISI-SI-11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0106		Rigid Strut Support				
2	SI-2080						
F-A	H-10256		1-ISI-SI-11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0107		Horizontal Rigid Strut Support				
2	SI-2080						

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				1	2	3	
F-A	H-10257		1-ISI-SI-11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0108		Rigid Strut Support				
2	SI-2080						
F-A	H-10258		1-ISI-SI-11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0109		Rigid Strut Support				
2	SI-2080						
F-A	H-10259		1-ISI-SI-11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0110		Rigid Strut Support				
2	SI-2080						
F-A	H-10274		1-ISI-SI-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0330		Rigid Strut Support				
2	SI-2080						
F-A	H-10275		1-ISI-SI-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0331		Rigid Strut Support				
2	SI-2080						
F-A	H-10277		1-ISI-SI-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0335		Rigid Strut Support				
2	SI-2080						
F-A	H-10278		1-ISI-SI-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0336		Horizontal Rigid Strut Support				
2	SI-2080						
F-A	H-10279		1-ISI-SI-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0337		Rigid Strut Support				
2	SI-2080						
F-A	H-10280		1-ISI-SI-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0338		Horizontal Rigid Strut Support				
2	SI-2080						
F-A	H-10281		1-ISI-SI-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0340		Rigid Strut Support				
2	SI-2080						
F-A	H-10282		1-ISI-SI-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0341		Rigid Strut Support				
2	SI-2080						
F-A	H-10283		1-ISI-SI-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0342		Rigid Strut Support				
2	SI-2080						
F-A	H-10284		1-ISI-SI-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20A	SI-H-0343		Rigid Strut Support				
2	SI-2080						

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				1	2	3	
F-A F1.20A 2	H-10285 SI-H-1113 SI-2080		1-ISI-SI-3 Horizontal Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10286 SI-H-0883 SI-2080	ISI / VT	1-ISI-SI-3 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	
F-A F1.20A 2	H-10289 SI-H-0590 SI-2080		1-ISI-SI-30 Open Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10290 SI-H-1176 SI-2080		1-ISI-SI-30 Open Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10291 SI-H-1178 SI-2080		1-ISI-SI-30 Open Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10295 SI-H-0547 SI-2080		1-ISI-SI-29 S01 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10296 SI-H-0559 SI-2080		1-ISI-SI-29 S01 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10297 SI-H-0561 SI-2080		1-ISI-SI-29 S01 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10298 SI-H-1091 SI-2080		1-ISI-SI-20 S01 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10300 CT-H-0202 CT-2070		1-ISI-CT-7 S01 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10301 CT-H-0244 CT-2070		1-ISI-CT-7 S01 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10502 SW-H-1898 SW-4065		1-ISI-SW-87 S03 Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10505 SW-H-1978 SW-4065		1-ISI-SW-88 S04 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
F-A F1.20A 2	H-10506 SW-H-1979 SW-4065		1-ISI-SW-88 S04 Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10508 SW-H-1915 SW-4065		1-ISI-SW-90 S01 Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10509 SW-H-1916 SW-4065		1-ISI-SW-90 S01 Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10512 SW-H-2642 SW-4065		1-ISI-SW-90 S03 Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10555 CT-H-0269 CT-2070		1-ISI-RH-2 S02 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20A 2	H-10791 SI-H-0941 SI-2080	ISI / VT	1-ISI-SI-29 S02 Dual Rigid Strut Support	<input type="checkbox"/>	s	<input type="checkbox"/>	This support is shown on Iso and issued in Fusion.
F-A F1.20A 2	H-10793 SW-H-2029 SW-4065		1-ISI-SW-90 S03 Horizontal Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	This support is shown on Rev.1 of Iso and issued in Fusion.
F-A F1.20A 2	H-10794 CS-H-0096 CS-2060		1A-236-CS-22 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-22 from Calc 141-3.
F-A F1.20A 2	H-10795 CS-H-0097 CS-2060		1A-236-CS-22 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-22 from Calc 141-3.
F-A F1.20A 2	H-10796 CS-H-0098 CS-2060		1A-236-CS-22 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-22 from Calc 141-3.
F-A F1.20A 2	H-10797 CS-H-0099 CS-2060	ISI / VT	1A-236-CS-22 Dual Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	s	Support added from Stress Iso 1A-236-CS-22 from Calc 141-3.
F-A F1.20A 2	H-10798 CS-H-0100 CS-2060		1A-236-CS-22 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-22 from Calc 141-3.
F-A F1.20A 2	H-10799 CS-H-0101 CS-2060		1A-236-CS-22 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-22 from Calc 141-3.

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				1	2	3	
F-A F1.20A 2	H-10800 CS-H-0102 CS-2060		1A-236-CS-22 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-22 from Calc 141-3.
F-A F1.20A 2	H-10801 CS-H-0103 CS-2060		1A-236-CS-22 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-22 from Calc 141-3.
F-A F1.20A 2	H-10802 CS-H-0104 CS-2060		1A-236-CS-22 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-22 from Calc 141-3.
F-A F1.20A 2	H-10803 CS-H-0105 CS-2060		1A-236-CS-22 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-22 from Calc 141-3.
F-A F1.20A 2	H-10804 CS-H-0106 CS-2060		1A-236-CS-22 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-22 from Calc 141-3.
F-A F1.20A 2	H-10805 CS-H-0107 CS-2060	ISI / VT	1A-236-CS-22 Rigid Strut Support	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-22 from Calc 141-3.
F-A F1.20A 2	H-10812 CS-H-4435 CS-2060		1A-236-CS-58 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-58 from Calc 141-1A.
F-A F1.20A 2	H-10815 CS-H-4466 CS-2060		1A-236-CS-59 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-59 from Calc 141-1A.
F-A F1.20A 2	H-10816 CS-H-4447 CS-2060		1A-236-CS-59 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-59 from Calc 141-1A.
F-A F1.20A 2	H-10818 CS-H-0130 CS-2060		1A-236-CS-6 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-6 Page F1 from Calc 141-1.
F-A F1.20A 2	H-10819 CS-H-0142 CS-2060		1A-236-CS-6 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-6 Page F1 from Calc 141-1.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
F-A F1.20A 2	H-10820 CS-H-4563 CS-2060		1A-236-CS-7 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-7 Page F2 from Calc 141-1.
F-A F1.20A 2	H-10822 CS-H-1457 CS-2060		1A-236-CS-24 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-24 Page F3 from Calc 141-1.
F-A F1.20A 2	H-10823 CS-H-1458 CS-2060		1A-236-CS-24 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-24 Page F3 from Calc 141-1.
F-A F1.20A 2	H-10824 CS-H-1459 CS-2060		1A-236-CS-24 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-24 Page F3 from Calc 141-1.
F-A F1.20A 2	H-10826 CS-H-1464 CS-2060		1A-236-CS-24 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-24 Page F3 from Calc 141-1.
F-A F1.20A 2	H-10828 CS-H-2632 CS-2060		1A-261-CS-25 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-261-CS-25 from Calc 750-6.
F-A F1.20A 2	H-10829 CS-H-2634 CS-2060		1A-261-CS-25 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-261-CS-25 from Calc 750-6.
F-A F1.20A 2	H-10830 CS-H-2635 CS-2060		1A-261-CS-25 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-261-CS-25 from Calc 750-6.
F-A F1.20A 2	H-10832 CS-H-2625 CS-2060		1A-261-CS-26 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-261-CS-26 from Calc 750-6.
F-A F1.20A 2	H-10833 CS-H-2627 CS-2060		1A-261-CS-26 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-261-CS-26 from Calc 750-6.
F-A F1.20A 2	H-10834 CS-H2638 CS-2060		1A-261-CS-26 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-261-CS-26 from Calc 750-6.

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				1	2	3	
F-A	H-10843		1A-236-CS-33	☐	☐	☐	Support added from Stress Iso 1A-236-CS-33 from Calc 3108.
F1.20A	CS-H-1837		Rigid Strut Support				
2	CS-2060						

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				1	2	3	
F-A	H-10844		1A-236-CS-33	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-33 from Calc 3108.
F1.20A	CS-H-1938		Rigid Strut Support				
2	CS-2060						
F-A	H-10856		1A-236-CS-27	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-27 from Calc 3099.
F1.20A	CS-H-1787		Rigid Strut Support				
2	CS-2060						
F-A	H-10857		1A-236-CS-27	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-27 from Calc 3099.
F1.20A	CS-H-2727		Rigid Strut Support				
2	CS-2060						
F-A	H-10859		1A-261-CS-22	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-261-CS-22 from Calc 750-3.
F1.20A	CS-H-2729		Rigid Support				
2	CS-2060						
F-A	H-10860		1A-261-CS-22	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-261-CS-22 from Calc 750-3.
F1.20A	CS-H-2731		Rigid Strut Support				
2	CS-2060						
F-A	H-10863		1A-261-CS-23	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-261-CS-23 from Calc 750-4.
F1.20A	CS-H-2719		Closed Box Restraint				
2	CS-2060						
F-A	H-10864		1A-261-CS-23	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-261-CS-23 from Calc 750-4.
F1.20A	CS-H-2720		Rigid Strut Support				
2	CS-2060						
F-A	H-10865		1A-261-CS-23	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-261-CS-23 from Calc 750-4.
F1.20A	CS-H-2721		Open Box Restraint				
2	CS-2060						
F-A	H-10867		1A-261-CS-23	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-261-CS-23 from Calc 750-4.
F1.20A	CS-H-2723		Rigid Strut Support				
2	CS-2060						
F-A	H-00178	ISI / VT	1-ISI-AF-8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
F1.20B	AF-H-0297		Closed Box Restraint				
2	AF-3065						
F-A	H-00746	ISI / VT	1-ISI-CS-1 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
F1.20B	CS-H-0001		Welded Anchor				
2	CS-2060						
F-A	H-00750	ISI / VT	1-ISI-CS-21 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
F1.20B	CS-H-0004		Closed Box Restraint				
2	CS-2060						



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				1	2	3	
F-A F1.20B 2	H-00751 CS-H-0006 CS-2060	ISI / VT	1-ISI-CS-21 S01 Welded Closed Box Restraint	s			
F-A F1.20B 2	H-00753 CS-H-0011 CS-2060		1-ISI-CS-21 S01 Welded Closed Box Restraint				
F-A F1.20B 2	H-00757 CS-H-0016 CS-2060		1-ISI-CS-21 S01 Closed Box Restraint				
F-A F1.20B 2	H-00758 CS-H-0018 CS-2060	ISI / VT	1-ISI-CS-1 S02 Welded Anchor	s			
F-A F1.20B 2	H-00761 CS-H-0021 CS-2060		1-ISI-CS-21 S02 Closed Box Restraint				
F-A F1.20B 2	H-00762 CS-H-0023 CS-2060	ISI / VT	1-ISI-CS-21 S02 Welded Anchor			s	
F-A F1.20B 2	H-00769 CS-H-0033 CS-2060		1-ISI-CS-1 S01 Closed Box Restraint				
F-A F1.20B 2	H-00778 CS-H-0236 CS-2060		1-ISI-CS-21 S02 Closed Box Restraint				
F-A F1.20B 2	H-00789 CS-H-2793 CS-2060		1-ISI-CS-1 S01 Closed Box Restraint				
F-A F1.20B 2	H-00857 CT-H-0222 CT-2070		1-ISI-CT-7 S02 Closed Box Restraint				
F-A F1.20B 2	H-00861 CT-H-0228 CT-2070	ISI / VT	1-ISI-CT-7 S02 Welded Anchor	s			
F-A F1.20B 2	H-00869 CT-H-0242 CT-2070	ISI / VT	1-ISI-SI-9 Welded Anchor		s		

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				1	2	3	
F-A	H-00872		1-ISI-CS-1 S01				
F1.20B	CT-H-0249		Welded Anchor				
2	CT-2070						
F-A	H-00885		1-ISI-CT-8 S02				
F1.20B	CT-H-0283		Welded Closed Box Restraint				
2	CT-2070						
F-A	H-00887		1-ISI-CT-8 S03				
F1.20B	CT-H-0287		Welded Closed Box Restraint				
2	CT-2070						
F-A	H-00893		1-ISI-CT-1				
F1.20B	CT-H-0306		Welded Anchor				
2	CT-2070						
F-A	H-00898		1-ISI-CT-1				
F1.20B	CT-H-0313		Closed Box Restraint				
2	CT-2070						
F-A	H-00899		1-ISI-CT-1				
F1.20B	CT-H-0316		Welded Closed Box Restraint				
2	CT-2070						
F-A	H-00904		1-ISI-CT-1				
F1.20B	CT-H-0320		Welded Closed Box Restraint				
2	CT-2070						
F-A	H-00910		1-ISI-CT-2 S01				
F1.20B	CT-H-0332		Welded Quad Horizontal/Vertical Rigid Struts				
2	CT-2070						
F-A	H-00912		1-ISI-CT-2 S01				
F1.20B	CT-H-0336		Closed Box Restraint				
2	CT-2070						
F-A	H-00914		1-ISI-CT-2 S01				
F1.20B	CT-H-0339		Welded Closed Box Restraint				
2	CT-2070						
F-A	H-00921		1-ISI-CT-2 S02				
F1.20B	CT-H-0346		Closed Box Restraint				
2	CT-2070						
F-A	H-00928	ISI / VT	1-ISI-CS-1 S01	s			
F1.20B	CT-H-0362		Closed Box Restraint				
2	CT-2070						

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				1	2	3	
F-A	H-01110	ISI / VT	1-ISI-FW-6			s	
F1.20B	FW-H-0802		Closed Box Restraint				
2	FW-3050						
F-A	H-04925		1-ISI-MS-1 S03				
F1.20B	MS-H-0036		Dual Rigid Strut Support				
2	MS-3020						
F-A	H-04926	ISI / VT	1-ISI-MS-1 S02		s		
F1.20B	MS-H-0043		Dual Rigid Strut Support				
2	MS-3020						
F-A	H-04927		1-ISI-MS-1 S01				
F1.20B	MS-H-0051		Dual Rigid Strut Support				
2	MS-3020						
F-A	H-05077		1-ISI-RH-4 S02				
F1.20B	RH-H-0013		Welded Anchor				
2	RH-2085						
F-A	H-05097		1-ISI-RH-2 S01				
F1.20B	RH-H-0047		Welded Closed Box Restraint				
2	RH-2085						
F-A	H-05113	ISI / VT	1-ISI-SI-8 S01	s			
F1.20B	RH-H-0078		Welded Anchor				
2	RH-2085						
F-A	H-05150	ISI / VT	1-ISI-CS-2 S02	s			
F1.20B	RH-H-0171		Closed Box Restraint				
2	RH-2085						
F-A	H-05158		1-ISI-RH-4 S02				
F1.20B	RH-H-0185		Welded Closed Box Restraint				
2	RH-2085						
F-A	H-05176		1-ISI-RH-4 S01				
F1.20B	RH-H-0376		Dual Rigid Strut Support				
2	RH-2085						
F-A	H-05291	ISI / VT	1-ISI-SI-9			s	
F1.20B	SI-H-0016		Welded Anchor				
2	SI-2080						
F-A	H-05309	ISI / VT	1-ISI-SI-9	s			
F1.20B	SI-H-0044		Welded Box Restraint				
2	SI-2080						
F-A	H-05311	ISI / VT	1-ISI-SI-9	s			
F1.20B	SI-H-0045		Welded Box Restraint				
2	SI-2080						

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				1	2	3	
F-A	H-05313	ISI / VT	1-ISI-SI-9	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F1.20B	SI-H-0046		Welded Box Restraint				
2	SI-2080						
F-A	H-05315		1-ISI-SI-9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SI-H-0047		Welded Box Restraint				
2	SI-2080						
F-A	H-05372		1-ISI-SI-24 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SI-H-0240		Closed Box Restraint				
2	SI-2080						
F-A	H-05375		1-ISI-SI-24 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SI-H-0244		Closed Box Restraint				
2	SI-2080						
F-A	H-05376		1-ISI-SI-24 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SI-H-0246		Closed Box Restraint				
2	SI-2080						
F-A	H-05442		1-ISI-SI-26 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SI-H-1197		Closed Box Restraint				
2	SI-2080						
F-A	H-07300		1-ISI-AF-5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	AF-H-0011		Closed Box Restraint				
2	AF-3065						
F-A	H-07310		1-ISI-AF-7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	AF-H-0068		Welded Closed Box Restraint				
2	AF-3065						
F-A	H-09704	ISI / VT	1-ISI-SI-4 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F1.20B	SI-H-0379		Closed Box Restraint				
2	SI-2080						
F-A	H-09708		1-ISI-SI-4 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SI-H-0406		Rigid Strut Restraint				
2	SI-2080						
F-A	H-09713		1-ISI-SI-4 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SI-H-0414		Open Box Restraint				
2	SI-2080						
F-A	H-09717	ISI / VT	1-ISI-SI-19 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F1.20B	SI-H-0445		Closed Box Restraint				
2	SI-2080						
F-A	H-09718		1-ISI-SI-19 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SI-H-0447		Closed Box Restraint				
2	SI-2080						

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				1	2	3	
F-A	H-09719		1-ISI-SI-19 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SI-H-0449		Closed Box Restraint				
2	SI-2080						
F-A	H-09720		1-ISI-SI-19 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SI-H-0451		Closed Box Restraint				
2	SI-2080						
F-A	H-09721		1-ISI-SI-19 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SI-H-0453		Closed Box Restraint				
2	SI-2080						
F-A	H-09722		1-ISI-SI-19 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SI-H-0456		Closed Box Restraint				
2	SI-2080						
F-A	H-09723		1-ISI-SI-19 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SI-H-0458		Closed Box Restraint				
2	SI-2080						
F-A	H-09724		1-ISI-SI-19 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SI-H-0460		Closed Box Restraint				
2	SI-2080						
F-A	H-09726		1-ISI-SI-19 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SI-H-0463		Closed Box Restraint				
2	SI-2080						
F-A	H-09734		1-ISI-SI-20 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SI-H-0476		Closed Box Restraint				
2	SI-2080						
F-A	H-09735		1-ISI-SI-20 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SI-H-0478		Closed Box Restraint				
2	SI-2080						
F-A	H-09736		1-ISI-SI-20 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SI-H-0480		Closed Box Restraint				
2	SI-2080						
F-A	H-09737		1-ISI-SI-20 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SI-H-0482		Open Box Restraint				
2	SI-2080						
F-A	H-09738		1-ISI-SI-20 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SI-H-0485		Closed Box Restraint				
2	SI-2080						
F-A	H-09739		1-ISI-SI-20 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SI-H-0487		Closed Box Restraint				
2	SI-2080						

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
F-A	H-09740		1-ISI-SI-20 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SI-H-0489		Closed Box Restraint				
2	SI-2080						
F-A	H-09741		1-ISI-SI-20 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SI-H-0491		Closed Box Restraint				
2	SI-2080						
F-A	H-09755		1-ISI-SI-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SI-H-0568		Closed Box Restraint				
2	SI-2080						
F-A	H-09756		1-ISI-SI-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SI-H-0570		Closed Box Restraint				
2	SI-2080						
F-A	H-09757		1-ISI-SI-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SI-H-0574		Closed Box Restraint				
2	SI-2080						
F-A	H-09758		1-ISI-SI-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SI-H-0576		Closed Box Restraint				
2	SI-2080						
F-A	H-09759		1-ISI-SI-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SI-H-0578		Closed Box Restraint				
2	SI-2080						
F-A	H-09760		1-ISI-SI-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SI-H-0580		Closed Box Restraint				
2	SI-2080						
F-A	H-09761		1-ISI-SI-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SI-H-0582		Closed Box Restraint				
2	SI-2080						
F-A	H-09826	ISI / VT	1-ISI-SI-4 S02	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.20B	SI-H-1289		Closed Box Restraint				
2	SI-2080						
F-A	H-09830	ISI / VT	1-ISI-CS-7	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.20B	SI-H-0070		Closed Box Restraint				
2	SI-2080						
F-A	H-09915		1-ISI-RH-2 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	CT-H-0271		Open Box Restraint				
2	CT-2070						
F-A	H-09920		1-ISI-RH-2 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	CT-H-0356		Closed Box Restraint				
2	CT-2070						

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				1	2	3	
F-A	H-09976		1-ISI-CT-7 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	CT-H-0209		Closed Box Restraint				
2	CT-2070						
F-A	H-09977	ISI / VT	1-ISI-CT-7 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F1.20B	CT-H-0211		Closed Box Restraint				
2	CT-2070						
F-A	H-09979		1-ISI-CT-7 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	CT-H-0214		Closed Box Restraint				
2	CT-2070						
F-A	H-09980		1-ISI-CT-7 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	CT-H-0216		Closed Box Restraint				
2	CT-2070						
F-A	H-09982		1-ISI-CT-8 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	CT-H-0253		Closed Box Restraint				
2	CT-2070						
F-A	H-10006		1-ISI-SW-93 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SW-H-0215		Closed Box Restraint				
2	SW-4065						
F-A	H-10007		1-ISI-SW-93 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SW-H-0214		Closed Box Restraint				
2	SW-4065						
F-A	H-10026		1-ISI-SW-92 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SW-H-2048		Closed Box Restraint				
2	SW-4065						
F-A	H-10028		1-ISI-SW-92 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SW-H-0203		Closed Box Restraint				
2	SW-4065						
F-A	H-10030		1-ISI-SW-92 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SW-H-0207		Closed Box Restraint				
2	SW-4065						
F-A	H-10031		1-ISI-SW-92 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SW-H-0209		Open Box Restraint				
2	SW-4065						
F-A	H-10035	ISI / VT	1-ISI-SW-87 S01	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SW-H-0247		Closed Box Restraint				
2	SW-4065						
F-A	H-10036		1-ISI-SW-87 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SW-H-0248		Closed Box Restraint				
2	SW-4065						

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				1	2	3	
F-A	H-10037		1-ISI-SW-87 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SW-H-0250		Closed Box Restraint				
2	SW-4065						
F-A	H-10039	ISI / VT	1-ISI-SW-87 S02	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.20B	SW-H-0253		Closed Box Restraint				
2	SW-4065						
F-A	H-10049		1-ISI-SW-87 S03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SW-H-1886		2 Way Rigid Strut Support				
2	SW-4065						
F-A	H-10050		1-ISI-SW-87 S03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SW-H-1893		Closed Box Restraint				
2	SW-4065						
F-A	H-10057		1-ISI-SW-86 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SW-H-0242		Closed Box Restraint				
2	SW-4065						
F-A	H-10058		1-ISI-SW-86 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SW-H-0240		Closed Box Restraint				
2	SW-4065						
F-A	H-10059		1-ISI-SW-86 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SW-H-0238		Closed Box Restraint				
2	SW-4065						
F-A	H-10062		1-ISI-SW-86 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SW-H-0235		Closed Box Restraint				
2	SW-4065						
F-A	H-10066	ISI / VT	1-ISI-SW-86 S02	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.20B	SW-H-0231		2 Way Rigid Strut Support				
2	SW-4065						
F-A	H-10067		1-ISI-SW-86 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SW-H-0229		Closed Box Restraint				
2	SW-4065						
F-A	H-10079		1-ISI-SW-91 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SW-H-0197		Open Box Restraint				
2	SW-4065						
F-A	H-10080		1-ISI-SW-91 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SW-H-0195		Open Box Restraint				
2	SW-4065						
F-A	H-10082	ISI / VT	1-ISI-SW-91 S01	<input type="checkbox"/>	<input type="checkbox"/>	s	
F1.20B	SW-H-0193		Open Box Restraint				
2	SW-4065						



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				1	2	3	
F-A	H-10083		1-ISI-SW-91 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SW-H-0191		2 Way Rigid Restraint				
2	SW-4065						
F-A	H-10084		1-ISI-SW-91 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SW-H-0189		Closed Box Restraint				
2	SW-4065						
F-A	H-10085		1-ISI-SW-91 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SW-H-0187		Open Box Restraint				
2	SW-4065						
F-A	H-10088		1-ISI-SW-91 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SW-H-0183		Open Box Restraint				
2	SW-4065						
F-A	H-10091		1-ISI-SW-91 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SW-H-2204		Welded Anchor				
2	SW-4065						
F-A	H-10114		1-ISI-SW-90 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SW-H-0169		Closed Box Restraint				
2	SW-4065						
F-A	H-10115	ISI / VT	1-ISI-SW-90 S01	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.20B	SW-H-0171		2 Way Rigid Restraint				
2	SW-4065						
F-A	H-10117	ISI / VT	1-ISI-SW-90 S01	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.20B	SW-H-0174		Open Box Restraint				
2	SW-4065						
F-A	H-10118		1-ISI-SW-90 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SW-H-0176		Closed Box Restraint				
2	SW-4065						
F-A	H-10119		1-ISI-SW-90 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SW-H-0178		Closed Box Restraint				
2	SW-4065						
F-A	H-10123		1-ISI-SW-89 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SW-H-0159		Closed Box Restraint				
2	SW-4065						
F-A	H-10124		1-ISI-SW-89 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SW-H-0157		Closed Box Restraint				
2	SW-4065						
F-A	H-10126	ISI / VT	1-ISI-SW-89 S02	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.20B	SW-H-0153		Open Box Restraint				
2	SW-4065						

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				1	2	3	
F-A	H-10130		1-ISI-SW-89 S03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SW-H-0148		Closed Box Restraint				
2	SW-4065						
F-A	H-10138		1-ISI-SW-89 S03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SW-H-2179		Welded Anchor				
2	SW-4065						
F-A	H-10148		1-ISI-SW-88 S04	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SW-H-1968		Closed Box Restraint				
2	SW-4065						
F-A	H-10153	ISI / VT	1-ISI-SW-88 S03	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.20B	SW-H-1973		Closed Box Restraint				
2	SW-4065						
F-A	H-10161	ISI / VT	1-ISI-SW-88 S03	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.20B	SW-H-0127		Closed Box Restraint				
2	SW-4065						
F-A	H-10164		1-ISI-SW-88 S03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SW-H-0797		Closed Box Restraint				
2	SW-4065						
F-A	H-10165		1-ISI-SW-88 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SW-H-0130		Rigid Strut Support				
2	SW-4065						
F-A	H-10168		1-ISI-SW-88 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SW-H-0134		Closed Box Restraint				
2	SW-4065						
F-A	H-10169		1-ISI-SW-88 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SW-H-0136		Closed Box Restraint				
2	SW-4065						
F-A	H-10203		1-ISI-CS-22	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	CS-H-0111		Closed Box Restraint				
2	CS-2060						
F-A	H-10206		1-ISI-CS-6 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	CS-H-0115		Open Box Restraint				
2	CS-2060						
F-A	H-10207		1-ISI-CS-6 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	CS-H-4548		2 Way Rigid Strut Support				
2	CS-2060						
F-A	H-10208	ISI / VT	1-ISI-CS-6 S01	<input type="checkbox"/>	<input type="checkbox"/>	s	
F1.20B	CS-H-4550		2 Way Rigid Strut Support				
2	CS-2060						

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				1	2	3	
F-A	H-10210		1-ISI-CS-6 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	CS-H-0118		Closed Box Restraint				
2	CS-2060						
F-A	H-10216		1-ISI-CS-7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	CS-H-0122		Closed Box Restraint				
2	CS-2060						
F-A	H-10229		1-ISI-SI-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SI-H-0069		Closed Box Restraint				
2	SI-2080						
F-A	H-10236		1-ISI-SI-11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SI-H-0081		Closed Box Restraint				
2	SI-2080						
F-A	H-10254		1-ISI-SI-11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SI-H-0103		Closed Box Restraint				
2	SI-2080						
F-A	H-10276		1-ISI-SI-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SI-H-0332		Closed Box Restraint				
2	SI-2080						
F-A	H-10287		1-ISI-SI-4 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SI-H-0397		Closed Box Restraint				
2	SI-2080						
F-A	H-10288		1-ISI-SI-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	SI-H-0572		Closed Box Restraint				
2	SI-2080						
F-A	H-10302		1-ISI-CT-7 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	CT-H-0245		Closed Box Restraint				
2	CT-2070						
F-A	H-10303		1-ISI-CT-7 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	CT-H-0247		Closed Box Restraint				
2	CT-2070						
F-A	H-10304		1-ISI-CT-7 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	CT-H-0218		Open Box Restraint				
2	CT-2070						
F-A	H-10305		1-ISI-CT-8 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	CT-H-0254		Closed Box Restraint				
2	CT-2070						
F-A	H-10306		1-ISI-CT-8 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20B	CT-H-0267		Closed Box Restraint				
2	CT-2070						

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				1	2	3	
F-A F1.20B 2	H-10504 SW-H-1980 SW-4065		1-ISI-SW-88 S04 2 Way Rigid Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20B 2	H-10515 SW-H-2207 SW-4065		1-ISI-SW-91 S03 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20B 2	H-10806 CS-H-4400 CS-2060	ISI / VT	1A-236-CS-6 Welded Anchor	<input type="checkbox"/>	s	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-6 Page 22 from Calc 141-2.
F-A F1.20B 2	H-10807 CS-H-4401 CS-2060		1A-236-CS-6 U-Bolt Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-6 Page 22 from Calc 141-2.
F-A F1.20B 2	H-10808 CS-H-4403 CS-2060		1A-236-CS-6 Welded Anchor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-6 Page 22 from Calc 141-2.
F-A F1.20B 2	H-10809 CS-H-4404 CS-2060		1A-236-CS-6 U-Bolt Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-6 Page 22 from Calc 141-2.
F-A F1.20B 2	H-10810 CS-H-4406 CS-2060		1A-236-CS-7 Welded Anchor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-7 Page 23 from Calc 141-2.
F-A F1.20B 2	H-10811 CS-H-4407 CS-2060		1A-236-CS-7 U-Bolt Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-7 Page 23 from Calc 141-2.
F-A F1.20B 2	H-10814 CS-H-4259 CS-2060		1A-236-CS-59 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-59 from Calc 141-1A.
F-A F1.20B 2	H-10817 CS-H-4274 CS-2060		1A-236-CS-59 Dual Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-59 from Calc 141-1A.

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				1	2	3	
F-A F1.20B 2	H-10821 CS-H-1456 CS-2060	ISI / VT	1A-236-CS-24 Rigid Strut Support	s			Support added from Stress Iso 1A-236-CS-24 Page F3 from Calc 141-1.
F-A F1.20B 2	H-10825 CS-H-1460 CS-2060		1A-236-CS-24 Closed Box Restraint				Support added from Stress Iso 1A-236-CS-24 Page F3 from Calc 141-1.
F-A F1.20B 2	H-10831 CS-H-1939 CS-2060		1A-261-CS-25 Closed Box Restraint				Support added from Stress Iso 1A-261-CS-25 from Calc 750-6.
F-A F1.20B 2	H-10835 CS-H-2582 CS-2060		1A-261-CS-26 Welded Anchor				Support added from Stress Iso 1A-261-CS-26 from Calc 750-6.
F-A F1.20B 2	H-10836 CS-H-1948 CS-2060		1A-236-CS-24 Closed Box Restraint				Support added from Stress Iso 1A-236-CS-24 from Calc 3092-2.
F-A F1.20B 2	H-10837 CS-H-1946 CS-2060		1A-236-CS-24 Closed Box Restraint				Support added from Stress Iso 1A-236-CS-24 from Calc 3092-2.
F-A F1.20B 2	H-10838 CS-H-1944 CS-2060		1A-236-CS-24 Closed Box Restraint				Support added from Stress Iso 1A-236-CS-24 from Calc 3092-2.
F-A F1.20B 2	H-10839 CS-H-1942 CS-2060		1A-236-CS-24 Closed Box Restraint				Support added from Stress Iso 1A-236-CS-24 from Calc 3092-2.
F-A F1.20B 2	H-10840 CS-H-1940 CS-2060		1A-236-CS-24 Closed Box Restraint				Support added from Stress Iso 1A-236-CS-24 from Calc 3092-2.
F-A F1.20B 2	H-10841 CS-H-1938 CS-2060		1A-236-CS-24 Welded Anchor				Support added from Stress Iso 1A-236-CS-24 from Calc 3092-2.
F-A F1.20B 2	H-10842 CS-H-2926 CS-2060		1A-236-CS-33 Welded Anchor				Support added from Stress Iso 1A-236-CS-33 from Calc 3108.
F-A F1.20B 2	H-10845 CS-H-1847 CS-2060		1A-236-CS-33 Closed Box Restraint				Support added from Stress Iso 1A-236-CS-33 from Calc 3108.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
F-A	H-10846		1A-236-CS-33	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-33 from Calc 3108.
F1.20B	CS-H-1845		Closed Box Restraint				
2	CS-2060						
F-A	H-10847		1A-236-CS-33	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-33 from Calc 3108.
F1.20B	CS-H-1843		Closed Box Restraint				
2	CS-2060						
F-A	H-10848		1A-236-CS-33	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-33 from Calc 3108.
F1.20B	CS-H-1841		Closed Box Restraint				
2	CS-2060						
F-A	H-10849		1A-236-CS-33	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-33 from Calc 3108.
F1.20B	CS-H-1839		Closed Box Restraint				
2	CS-2060						
F-A	H-10850		1A-236-CS-33	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-33 from Calc 3108.
F1.20B	CS-H-1783		Closed Box Restraint				
2	CS-2060						
F-A	H-10851		1A-236-CS-33	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-33 from Calc 3108.
F1.20B	CS-H-1781		Closed Box Restraint				
2	CS-2060						
F-A	H-10852		1A-236-CS-33	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-33 from Calc 3108.
F1.20B	CS-H-1779		Closed Box Restraint				
2	CS-2060						
F-A	H-10853		1A-236-CS-27	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-27 from Calc 3099.
F1.20B	CS-H-1776		Closed Box Restraint				
2	CS-2060						
F-A	H-10854		1A-236-CS-27	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-27 from Calc 3099.
F1.20B	CS-H-1774		Closed Box Restraint				
2	CS-2060						
F-A	H-10855		1A-236-CS-27	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-27 from Calc 3099.
F1.20B	CS-H-1786		Closed Box Restraint				
2	CS-2060						
F-A	H-10858		1A-261-CS-22	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-261-CS-22 from Calc 750-3.
F1.20B	CS-H-2727		Closed Box Restraint				
2	CS-2060						
F-A	H-10862		1A-261-CS-22	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-261-CS-22 from Calc 750-3.
F1.20B	CS-H-2925		Welded Anchor				
2	CS-2060						

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				1	2	3	
F-A F1.20B 2	H-10868 MS-H-M1 MS-3020		1-ISI-MS-1 S01 Penetration Support				Penetration M1 / Type I / Support added during 4th Interval update. Multi-Directional Support on inside of containment wall with no welded attachment associated with support. Support will not be selected because support will be examined during containment vessel exam.
F-A F1.20B 2	H-10869 MS-H-M2 MS-3020		1-ISI-MS-1 S02 Penetration Support				Penetration M2 / Type I / Support added during 4th Interval update. Multi-Directional Support on inside of containment wall with no welded attachment associated with support. Support will not be selected because support will be examined during containment vessel exam.
F-A F1.20B 2	H-10870 MS-H-M3 MS-3020		1-ISI-MS-1 S03 Penetration Support				Penetration M3 / Type I / Support added during 4th Interval update. Multi-Directional Support on inside of containment wall with no welded attachment associated with support. Support will not be selected because support will be examined during containment vessel exam.
F-A F1.20B 2	H-10871 FW-H-M4 FW-3050		1-ISI-FW-1 S01 Penetration Support				Penetration M4 / Type I / Support added during 4th Interval update. Multi-Directional Support on inside of containment wall with no welded attachment associated with support. Support will not be selected because support will be examined during containment vessel exam.
F-A F1.20B 2	H-10872 FW-H-M5 FW-3050		1-ISI-FW-1 S02 Penetration Support				Penetration M5 / Type I / Support added during 4th Interval update. Multi-Directional Support on inside of containment wall with no welded attachment associated with support. Support will not be selected because support will be examined during containment vessel exam.

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				1	2	3	
F-A F1.20B 2	H-10873 FW-H-M6 FW-3050		1-ISI-FW-1 S03 Penetration Support				Penetration M6 / Type I / Support added during 4th Interval update. Multi-Directional Support on inside of containment wall with no welded attachment associated with support. Support will not be selected because support will be examined during containment vessel exam.
F-A F1.20B 2	H-10874 AF-H-M108 AF-3065		1-ISI-AF-101 Penetration Support				Penetration M108 / Type I / Support added during 4th Interval update. Multi-Directional Support on inside of containment wall with no welded attachment associated with support. Support will not be selected because support will be examined during containment vessel exam.
F-A F1.20B 2	H-10875 AF-H-M109 AF-3065		1-ISI-AF-6 Penetration Support				Penetration M109 / Type I / Support added during 4th Interval update. Multi-Directional Support on inside of containment wall with no welded attachment associated with support. Support will not be selected because support will be examined during containment vessel exam.
F-A F1.20B 2	H-10876 AF-H-M110 AF-3065		1-ISI-AF-102 Penetration Support				Penetration M110 / Type I / Support added during 4th Interval update. Multi-Directional Support on inside of containment wall with no welded attachment associated with support. Support will not be selected because support will be examined during containment vessel exam.
F-A F1.20B 2	H-10877 SW-H-M25 SW-4065		1-ISI-SW-10 Penetration Support				Penetration M25 / Type IIB / Support added during 4th Interval update. Multi-Directional Support on inside of containment wall welded attachment associated with support. Support will not be selected because support will be examined during containment vessel exam.



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				1	2	3	
F-A F1.20B 2	H-10878 SW-H-M26 SW-4065		1-ISI-SW-13 Penetration Support				Penetration M26 / Type IIB / Support added during 4th Interval update. Multi-Directional Support on inside of containment wall welded attachment associated with support. Support will not be selected because support will be examined during containment vessel exam.
F-A F1.20B 2	H-10879 SW-H-M27 SW-4065		1-ISI-SW-14 Penetration Support				Penetration M27/ Type IIB / Support added during 4th Interval update. Multi-Directional Support on inside of containment wall welded attachment associated with support. Support will not be selected because support will be examined during containment vessel exam.
F-A F1.20B 2	H-10880 SW-H-M28 SW-4065		1-ISI-SW-15 Penetration Support				Penetration M28/ Type IIB / Support added during 4th Interval update. Multi-Directional Support on inside of containment wall welded attachment associated with support. Support will not be selected because support will be examined during containment vessel exam.
F-A F1.20B 2	H-10881 SW-H-M29 SW-4065		1-ISI-SW-11 Penetration Support				Penetration M29/ Type IIB / Support added during 4th Interval update. Multi-Directional Support on inside of containment wall welded attachment associated with support. Support will not be selected because support will be examined during containment vessel exam.
F-A F1.20B 2	H-10882 SW-H-M30 SW-4065		1-ISI-SW-12 Penetration Support				Penetration M30/ Type IIB / Support added during 4th Interval update. Multi-Directional Support on inside of containment wall welded attachment associated with support. Support will not be selected because support will be examined during containment vessel exam.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
F-A F1.20B 2	H-10883 SW-H-M31 SW-4065		1-ISI-SW-16 Penetration Support				Penetration M31/ Type IIB / Support added during 4th Interval update. Multi-Directional Support on inside of containment wall welded attachment associated with support. Support will not be selected because support will be examined during containment vessel exam.
F-A F1.20B 2	H-10884 SW-H-M32 SW-4065		1-ISI-SW-17 Penetration Support				Penetration M32 / Type IIB / Support added during 4th Interval update. Multi-Directional Support on inside of containment wall welded attachment associated with support. Support will not be selected because support will be examined during containment vessel exam.
F-A F1.20B 2	H-10885 SI-H-M13 SI-2085		1-ISI-SI-8 Penetration Support				Penetration M13 / Type I / Support added during 4th Interval update. Multi-Directional Support on inside of containment wall with no welded attachment associated with support. Support will not be selected because support will be examined during containment vessel exam.
F-A F1.20B 2	H-10886 SI-H-M14 SI-2085		1-ISI-SI-26 Penetration Support				Penetration M14 / Type I / Support added during 4th Interval update. Multi-Directional Support on inside of containment wall with no welded attachment associated with support. Support will not be selected because support will be examined during containment vessel exam.
F-A F1.20B 2	H-10887 RH-H-M15 RH-2085		1-ISI-RH-1 S02 Penetration Support				Penetration M15 / Type I / Support added during 4th Interval update. Multi-Directional Support on inside of containment wall with no welded attachment associated with support. Support will not be selected because support will be examined during containment vessel exam.

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				1	2	3	
F-A F1.20B 2	H-10888 RH-H-M16 RH-2085		1-ISI-RH-2 S02 Penetration Support				Penetration M16 / Type I / Support added during 4th Interval update. Multi-Directional Support on inside of containment wall with no welded attachment associated with support. Support will not be selected because support will be examined during containment vessel exam.
F-A F1.20B 2	H-10889 SI-H-M17 SI-2085		1-ISI-SI-3 Penetration Support				Penetration M17 / Type I / Support added during 4th Interval update. Multi-Directional Support on inside of containment wall with no welded attachment associated with support. Support will not be selected because support will be examined during containment vessel exam.
F-A F1.20B 2	H-10890 SI-H-M18 SI-2085		1-ISI-SI-9 Penetration Support				Penetration M18 / Type I / Support added during 4th Interval update. Multi-Directional Support on inside of containment wall with no welded attachment associated with support. Support will not be selected because support will be examined during containment vessel exam.
F-A F1.20B 2	H-10891 SI-H-M22 SI-2080		1-ISI-SI-29 Penetration Support				Penetration M22 / Type I / Support added during 4th Interval update. Multi-Directional Support on inside of containment wall with no welded attachment associated with support. Support will not be selected because support will be examined during containment vessel exam.
F-A F1.20B 2	H-10892 CP-H-M57 CP-8010		2165-G-064 Penetration Support				Penetration M57/ Support added during 4th Interval update. Multi-Directional Support on inside of containment wall with welded attachment associated with support. Support will not be selected because support will be examined during containment vessel exam.

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				1	2	3	
F-A F1.20B 2	H-10893 CP-H-M58 CP-8010		2165-G-064 Penetration Support				Penetration M58 / Support added during 4th Interval update. Multi-Directional Support on inside of containment wall with welded attachment associated with support. Support will not be selected because support will be examined during containment vessel exam.
F-A F1.20B 2	H-10894 CB-H-M59 CP-8010		2165-G-064 Penetration Support				Penetration M59 / Support added during 4th Interval update. Multi-Directional Support on inside of containment wall with welded attachment associated with support. Support will not be selected because support will be examined during containment vessel exam.
F-A F1.20B 2	H-10895 CM-H-M61 CP-8010		2165-G-064 Penetration Support				Penetration M61 / Support added during 4th Interval update. Multi-Directional Support on inside of containment wall with welded attachment associated with support. Support will not be selected because support will be examined during containment vessel exam.
F-A F1.20B 2	H-10896 CB-H-M98 CP-8010		2165-G-064 Penetration Support				Penetration M98 / Support added during 4th Interval update. Multi-Directional Support on inside of containment wall with welded attachment associated with support. Support will not be selected because support will be examined during containment vessel exam.
F-A F1.20C 2	H-00180 AF-H-0305 AF-3065	ISI / VT	1-ISI-AF-9 Spring Support	s			
F-A F1.20C 2	H-00220 AF-H-0390 AF-3065		1-ISI-AF-8 Welded Dual Horizontal Snubber				
F-A F1.20C 2	H-00234 AF-H-0443 AF-3065	ISI / VT	1-ISI-AF-10 Spring Hanger	s			
F-A F1.20C 2	H-00253 AF-H-0672 AF-3065	ISI / VT	1-ISI-AF-8 Spring Hanger		s		

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				1	2	3	
F-A F1.20C 2	H-00256 AF-H-0680 AF-3065		1-ISI-AF-10 Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-00865 CT-H-0234 CT-2070	ISI / VT	1-ISI-CT-7 S02 Welded Spring Support	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.20C 2	H-00867 CT-H-0238 CT-2070		1-ISI-CT-7 S02 Spring Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-00871 CT-H-0248 CT-2070		1-ISI-CT-8 S01 Spring Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-00876 CT-H-0274 CT-2070		1-ISI-CT-8 S02 Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-00881 CT-H-0279 CT-2070		1-ISI-CT-8 S02 Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-00890 CT-H-0293 CT-2070	ISI / VT	1-ISI-CT-8 S03 Spring Support	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.20C 2	H-00907 CT-H-0330 CT-2070	ISI / VT	1-ISI-CT-2 S01 Welded Dual Spring Hanger	s	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-01072 FW-H-0100 FW-3050	ISI / VT	1-ISI-FW-5 Spring Support	s	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-01079 FW-H-0117 FW-3050	ISI / VT	1-ISI-FW-7 Spring Support	s	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-01107 FW-H-0798 FW-3050		1-ISI-FW-5 Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-01111 FW-H-0803 FW-3050		1-ISI-FW-6 Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-01114 FW-H-0806 FW-3050		1-ISI-FW-7 Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
F-A F1.20C 2	H-04908 MS-H-0005 MS-3020	ISI / VT	1-ISI-MS-3 Welded Dual Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F-A F1.20C 2	H-04916 MS-H-0018 MS-3020		1-ISI-MS-4 Dual Spring Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-04919 MS-H-0025 MS-3020	ISI / VT	1-ISI-MS-5 Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F-A F1.20C 2	H-04928 MS-H-0061 MS-3020		1-ISI-MS-3 Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-04929 MS-H-0062 MS-3020		1-ISI-MS-5 Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-04934 MS-H-0078 MS-3020		1-ISI-MS-2 S01 Spring Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-04936 MS-H-0086 MS-3020		1-ISI-MS-2 S01 Spring Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-04938 MS-H-0094 MS-3020	ISI / VT	1-ISI-MS-2 S02 Spring Support	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F-A F1.20C 2	H-05075 RH-H-0010 RH-2085	ISI / VT	1-ISI-RH-4 S02 Spring Support	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F-A F1.20C 2	H-05079 RH-H-0014 RH-2085	ISI / VT	1-ISI-RH-1 S02 Dual Spring Hanger	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-05105 RH-H-0062 RH-2085	ISI / VT	1-ISI-RH-2 S01 Spring Support	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-05124 RH-H-0103 RH-2085		1-ISI-RH-4 S01 Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-05132 RH-H-0126 RH-2085		1-ISI-RH-1 S02 Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
F-A F1.20C 2	H-05147 RH-H-0160 RH-2085	ISI / VT	1-ISI-RH-4 S02 Spring Support	s			
F-A F1.20C 2	H-05156 RH-H-0183 RH-2085	ISI / VT	1-ISI-CS-2 S01 Spring Support			s	
F-A F1.20C 2	H-05166 RH-H-0272 RH-2085		1-ISI-RH-1 S01 Spring Support				
F-A F1.20C 2	H-05172 RH-H-0349 RH-2085	ISI / VT	1-ISI-RH-2 S01 Spring Support			s	
F-A F1.20C 2	H-05283 SI-H-0002 SI-2080		1-ISI-SI-8 S02 Spring Support				
F-A F1.20C 2	H-05295 SI-H-0022 SI-2080		1-ISI-SI-8 S01 Spring Support				
F-A F1.20C 2	H-05346 SI-H-0158 SI-2080		1-ISI-SI-26 S01 Spring Hanger				
F-A F1.20C 2	H-05438 SI-H-1105 SI-2080		1-ISI-SI-9 Spring Hanger				
F-A F1.20C 2	H-05440 SI-H-1190 SI-2080	ISI / VT	1-ISI-SI-25 S01 Spring Hanger			s	
F-A F1.20C 2	H-05441 SI-H-1196 SI-2080	ISI / VT	1-ISI-SI-26 S01 Spring Hanger			s	
F-A F1.20C 2	H-05445 SI-H-1283 SI-2080		1-ISI-RH-2 S02 Spring Support				
F-A F1.20C 2	H-07142 AF-H-0309 AF-3065		1-ISI-AF-9 Dual Snubber				
F-A F1.20C 2	H-07209 CT-H-0236 CT-2070		1-ISI-CT-7 S02 Snubber				

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
F-A	H-07210		1-ISI-CT-7 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	CT-H-0235		Welded Quad Snubber				
2	CT-2070						
F-A	H-07211		1-ISI-MS-4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	MS-H-0020		Welded Dual Snubber				
2	MS-3020						
F-A	H-07212		1-ISI-MS-5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	MS-H-0026		Welded Dual Snubber				
2	MS-3020						
F-A	H-07213		1-ISI-MS-5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	MS-H-0028		Welded Dual Snubber				
2	MS-3020						
F-A	H-07217		1-ISI-RH-4 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	RH-H-0158		Welded Dual Snubber				
2	RH-2085						
F-A	H-07218		1-ISI-CS-2 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	RH-H-0165		Welded Dual Snubber				
2	RH-2085						
F-A	H-07219		1-ISI-CS-2 S03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	RH-H-0176		Welded Dual Snubber				
2	RH-2085						
F-A	H-07220		1-ISI-RH-2 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	RH-H-0189		Welded Dual Snubber				
2	RH-2085						
F-A	H-07221		1-ISI-SI-8 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	RH-H-0265		Welded Dual Snubber				
2	RH-2085						
F-A	H-07222		1-ISI-SI-8 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	RH-H-0314		Welded Dual Snubber				
2	RH-2085						
F-A	H-07223		1-ISI-SI-8 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	RH-H-0316		Welded Dual Snubber				
2	RH-2085						
F-A	H-07232		1-ISI-SI-27 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SI-H-0181		Welded Dual Snubber				
2	SI-2080						
F-A	H-07234		1-ISI-SI-24 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SI-H-0236		Welded Dual Snubber				
2	SI-2080						



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F-A F1.20C 2	H-07240 AF-H-0286 AF-3065		1-ISI-AF-8 Welded Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07243 FW-H-0126 FW-3050		1-ISI-FW-7 Welded Dual Horizontal Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07290 FW-H-0106 FW-3050	ISI / VT	1-ISI-FW-5 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	
F-A F1.20C 2	H-07332 AF-H-0391 AF-3065		1-ISI-AF-8 Welded Dual Horizontal Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07335 CS-H-0862 CS-2060		1-ISI-CS-21 S02 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07344 CT-H-0203 CT-2070		1-ISI-CT-7 S01 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07346 CT-H-0220 CT-2070		1-ISI-CT-7 S02 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07352 CT-H-0273 CT-2070		1-ISI-CT-8 S01 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07353 CT-H-0290 CT-2070		1-ISI-CT-8 S03 Quad Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07357 CT-H-0291 CT-2070		1-ISI-CT-8 S03 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07358 CT-H-0301 CT-2070		1-ISI-RH-1 S01 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07359 CT-H-0323 CT-2070		1-ISI-CT-1 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07361 CT-H-0354 CT-2070		1-ISI-CT-2 S02 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
F-A	H-07362		1-ISI-CT-7 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	CT-H-0865		Snubber				
2	CT-2070						
F-A	H-07366		1-ISI-FW-5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	FW-H-0101		Snubber				
2	FW-3050						
F-A	H-07367		1-ISI-FW-5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	FW-H-0103		Snubber				
2	FW-3050						
F-A	H-07368		1-ISI-FW-5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	FW-H-0105		Snubber				
2	FW-3050						
F-A	H-07371		1-ISI-FW-5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	FW-H-0108		Snubber				
2	FW-3050						
F-A	H-07372		1-ISI-FW-5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	FW-H-0110		Snubber				
2	FW-3050						
F-A	H-07373		1-ISI-FW-6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	FW-H-0113		Snubber				
2	FW-3050						
F-A	H-07374		1-ISI-FW-7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	FW-H-0118		Snubber				
2	FW-3050						
F-A	H-07375		1-ISI-FW-7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	FW-H-0120		Snubber				
2	FW-3050						
F-A	H-07376		1-ISI-FW-7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	FW-H-0122		Snubber				
2	FW-3050						
F-A	H-07377		1-ISI-FW-7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	FW-H-0125		Snubber				
2	FW-3050						
F-A	H-07380		1-ISI-FW-7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	FW-H-0129		Snubber				
2	FW-3050						
F-A	H-07383	ISI / VT	1-ISI-FW-5	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.20C	FW-H-0208		Snubber				
2	FW-3050						

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
F-A F1.20C 2	H-07388 FW-H-0215 FW-3050		1-ISI-FW-7 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07390 FW-H-0515 FW-3050		1-ISI-FW-1 S01 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07391 FW-H-0518 FW-3050		1-ISI-FW-1 S02 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07392 FW-H-0521 FW-3050		1-ISI-FW-1 S03 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07393 FW-H-0801 FW-3050		1-ISI-FW-6 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07394 FW-H-0804 FW-3050		1-ISI-FW-6 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07395 MS-H-0003 MS-3020		1-ISI-MS-3 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07396 MS-H-0004 MS-3020		1-ISI-MS-3 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07401 MS-H-0008 MS-3020	ISI / VT	1-ISI-MS-3 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
F-A F1.20C 2	H-07403 MS-H-0010 MS-3020		1-ISI-MS-3 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07405 MS-H-0012 MS-3020		1-ISI-MS-3 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07406 MS-H-0014 MS-3020		1-ISI-MS-4 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07407 MS-H-0015 MS-3020		1-ISI-MS-4 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
F-A F1.20C 2	H-07408 MS-H-0016 MS-3020		1-ISI-MS-4 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07411 MS-H-0023 MS-3020		1-ISI-MS-5 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07412 MS-H-0024 MS-3020		1-ISI-MS-5 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07415 MS-H-0027 MS-3020		1-ISI-MS-5 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07419 MS-H-0030 MS-3020		1-ISI-MS-5 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07421 MS-H-0032 MS-3020		1-ISI-MS-5 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07422 MS-H-0034 MS-3020		1-ISI-MS-1 S03 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07424 MS-H-0041 MS-3020		1-ISI-MS-1 S02 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07428 AF-H-0022 AF-3065		1-ISI-AF-5 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07430 AF-H-0052 AF-3065		1-ISI-AF-6 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07432 AF-H-0080 AF-3065		1-ISI-AF-7 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07446 AF-H-0296 AF-3065		1-ISI-AF-8 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07447 AF-H-0298 AF-3065		1-ISI-AF-8 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
F-A F1.20C 2	H-07448 AF-H-0299 AF-3065		1-ISI-AF-8 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07451 AF-H-0311 AF-3065		1-ISI-AF-9 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07454 AF-H-0320 AF-3065		1-ISI-AF-10 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07456 AF-H-0326 AF-3065		1-ISI-AF-10 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07457 AF-H-0327 AF-3065		1-ISI-AF-10 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07458 AF-H-0328 AF-3065	ISI / VT	1-ISI-AF-10 Welded Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
F-A F1.20C 2	H-07460 AF-H-0333 AF-3065		1-ISI-AF-10 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07461 AF-H-0334 AF-3065		1-ISI-AF-10 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07462 AF-H-0335 AF-3065		1-ISI-AF-10 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07463 AF-H-0336 AF-3065		1-ISI-AF-10 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07464 AF-H-0362 AF-3065		1-ISI-AF-9 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07465 AF-H-0366 AF-3065		1-ISI-AF-10 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07466 AF-H-0367 AF-3065		1-ISI-AF-10 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
F-A	H-07467		1-ISI-AF-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	AF-H-0368		Snubber				
2	AF-3065						
F-A	H-07468		1-ISI-AF-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	AF-H-0369		Snubber				
2	AF-3065						
F-A	H-07473		1-ISI-AF-8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	AF-H-0392		Snubber				
2	AF-3065						
F-A	H-07474		1-ISI-AF-8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	AF-H-0393		Snubber				
2	AF-3065						
F-A	H-07477		1-ISI-AF-8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	AF-H-0466		Snubber				
2	AF-3065						
F-A	H-07478		1-ISI-AF-5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	AF-H-0479		Snubber				
2	AF-3065						
F-A	H-07479	ISI / VT	1-ISI-AF-6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
F1.20C	AF-H-0481		Snubber				
2	AF-3065						
F-A	H-07480	ISI / VT	1-ISI-AF-7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
F1.20C	AF-H-0483		Snubber				
2	AF-3065						
F-A	H-07481		1-ISI-AF-8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	AF-H-0670		Snubber				
2	AF-3065						
F-A	H-07482		1-ISI-AF-9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	AF-H-0673		Snubber				
2	AF-3065						
F-A	H-07483		1-ISI-AF-9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	AF-H-0675		Snubber				
2	AF-3065						
F-A	H-07485		1-ISI-AF-9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	AF-H-0677		Snubber				
2	AF-3065						
F-A	H-07486		1-ISI-AF-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	AF-H-0678		Snubber				
2	AF-3065						

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				1	2	3	
F-A F1.20C 2	H-07487 AF-H-0681 AF-3065		1-ISI-AF-10 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07582 CS-H-0008 CS-2060	ISI / VT	1-ISI-CS-2 S01 Snubber	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.20C 2	H-07583 CS-H-0009 CS-2060		1-ISI-CS-2 S01 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07584 CS-H-0010 CS-2060		1-ISI-CS-2 S01 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07585 CS-H-0020 CS-2060		1-ISI-CS-21 S02 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07586 CS-H-0025 CS-2060	ISI / VT	1-ISI-CS-1 S01 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	s	
F-A F1.20C 2	H-07587 CS-H-0032 CS-2060		1-ISI-CS-1 S01 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07589 CS-H-0039 CS-2060		1-ISI-CS-1 S02 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07595 MS-H-0049 MS-3020		1-ISI-MS-1 S01 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07597 MS-H-0076 MS-3020		1-ISI-MS-2 S01 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07599 MS-H-0084 MS-3020		1-ISI-MS-2 S01 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07601 MS-H-0092 MS-3020		1-ISI-MS-2 S02 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07701 RH-H-0011 RH-2085		1-ISI-RH-4 S02 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
F-A	H-07702		1-ISI-RH-1 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	RH-H-0033		Snubber				
2	RH-2085						
F-A	H-07703		1-ISI-RH-1 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	RH-H-0038		Snubber				
2	RH-2085						
F-A	H-07704		1-ISI-RH-2 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	RH-H-0042		Snubber				
2	RH-2085						
F-A	H-07705		1-ISI-RH-2 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	RH-H-0063		Snubber				
2	RH-2085						
F-A	H-07706		1-ISI-CS-2 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	RH-H-0067		Snubber				
2	RH-2085						
F-A	H-07707		1-ISI-CS-2 S03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	RH-H-0072		Snubber				
2	RH-2085						
F-A	H-07725		1-ISI-CS-2 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	RH-H-0166		Snubber				
2	RH-2085						
F-A	H-07726		1-ISI-CS-2 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	RH-H-0167		Snubber				
2	RH-2085						
F-A	H-07727		1-ISI-CS-2 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	RH-H-0168		Snubber				
2	RH-2085						
F-A	H-07728		1-ISI-CS-2 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	RH-H-0169		Dual Snubber				
2	RH-2085						
F-A	H-07732		1-ISI-RH-1 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	RH-H-0188		Snubber				
2	RH-2085						
F-A	H-07737		1-ISI-RH-4 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	RH-H-0275		Snubber				
2	RH-2085						
F-A	H-07738		1-ISI-RH-2 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	RH-H-0290		Snubber				
2	RH-2085						



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				1	2	3	
F-A F1.20C 2	H-07739 RH-H-0297 RH-2085		1-ISI-RH-4 S01 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07741 RH-H-0300 RH-2085		1-ISI-RH-4 S02 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07742 RH-H-0301 RH-2085		1-ISI-RH-4 S01 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07743 RH-H-0302 RH-2085		1-ISI-RH-4 S01 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07744 RH-H-0303 RH-2085		1-ISI-RH-4 S01 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07749 RH-H-0353 RH-2085		1-ISI-CS-2 S03 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07767 SI-H-0001 SI-2080		1-ISI-SI-8 S02 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07768 SI-H-0005 SI-2080		1-ISI-SI-8 S02 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07769 SI-H-0009 SI-2080		1-ISI-SI-8 S02 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07770 SI-H-0011 SI-2080	ISI / VT	1-ISI-SI-8 S02 Dual Snubber	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.20C 2	H-07772 SI-H-0020 SI-2080		1-ISI-SI-8 S01 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07773 SI-H-0021 SI-2080		1-ISI-SI-8 S01 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07774 SI-H-0023 SI-2080		1-ISI-SI-8 S01 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
F-A F1.20C 2	H-07775 SI-H-0026 SI-2080		1-ISI-SI-8 S01 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07776 SI-H-0028 SI-2080	ISI / VT	1-ISI-RH-1 S02 Snubber	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.20C 2	H-07777 SI-H-0030 SI-2080	ISI / VT	1-ISI-RH-1 S02 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	s	
F-A F1.20C 2	H-07779 SI-H-0032 SI-2080		1-ISI-RH-1 S02 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07780 SI-H-0058 SI-2080		1-ISI-SI-8 S01 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07781 SI-H-0060 SI-2080	ISI / VT	1-ISI-SI-8 S01 Dual Snubber	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.20C 2	H-07783 SI-H-0062 SI-2080		1-ISI-SI-10 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07784 SI-H-0096 SI-2080		1-ISI-SI-11 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07806 SI-H-0151 SI-2080		1-ISI-SI-26 S02 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07807 SI-H-0156 SI-2080		1-ISI-SI-26 S02 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07808 SI-H-0162 SI-2080		1-ISI-SI-28 S01 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07810 SI-H-0164 SI-2080	ISI / VT	1-ISI-SI-28 S01 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	s	
F-A F1.20C 2	H-07812 SI-H-0167 SI-2080		1-ISI-SI-28 S01 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
F-A F1.20C 2	H-07827 SI-H-0180 SI-2080		1-ISI-SI-27 S02 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07849 SI-H-0235 SI-2080		1-ISI-SI-24 S01 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07852 SI-H-0237 SI-2080		1-ISI-SI-24 S01 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07853 SI-H-0238 SI-2080		1-ISI-SI-24 S01 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07854 SI-H-0251 SI-2080		1-ISI-SI-25 S01 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07856 SI-H-0254 SI-2080	ISI / VT	1-ISI-SI-25 S01 Dual Snubber	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.20C 2	H-07858 SI-H-0256 SI-2080		1-ISI-SI-25 S01 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07861 SI-H-0267 SI-2080		1-ISI-SI-25 S02 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07863 SI-H-0268 SI-2080		1-ISI-SI-25 S02 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07877 SI-H-0334 SI-2080		1-ISI-SI-3 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07878 SI-H-0344 SI-2080		1-ISI-SI-10 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07879 SI-H-0347 SI-2080		1-ISI-SI-18 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-07880 SI-H-0349 SI-2080		1-ISI-SI-18 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
F-A	H-07887		1-ISI-SI-4 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SI-H-0381		Snubber				
2	SI-2080						
F-A	H-07888		1-ISI-SI-4 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SI-H-0385		Snubber				
2	SI-2080						
F-A	H-07889		1-ISI-SI-4 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SI-H-0387		Snubber				
2	SI-2080						
F-A	H-07890		1-ISI-SI-4 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SI-H-0389		Snubber				
2	SI-2080						
F-A	H-07891		1-ISI-SI-4 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SI-H-0403		Snubber				
2	SI-2080						
F-A	H-07892		1-ISI-SI-4 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SI-H-0407		Snubber				
2	SI-2080						
F-A	H-07893		1-ISI-SI-4 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SI-H-0408		Snubber				
2	SI-2080						
F-A	H-07894		1-ISI-SI-9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SI-H-0419		Snubber				
2	SI-2080						
F-A	H-07899		1-ISI-SI-19 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SI-H-0442		Snubber				
2	SI-2080						
F-A	H-07900	ISI / VT	1-ISI-SI-19 S02	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.20C	SI-H-0444		Snubber				
2	SI-2080						
F-A	H-07901		1-ISI-SI-19 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SI-H-0455		Dual Snubber				
2	SI-2080						
F-A	H-07903		1-ISI-SI-19 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SI-H-0470		Snubber				
2	SI-2080						
F-A	H-07904		1-ISI-SI-20 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SI-H-0473		Snubber				
2	SI-2080						

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				1	2	3	
F-A	H-07905		1-ISI-SI-20 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SI-H-0475		Snubber				
2	SI-2080						
F-A	H-07906		1-ISI-SI-20 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SI-H-0484		Dual Snubber				
2	SI-2080						
F-A	H-07908		1-ISI-SI-20 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SI-H-0496		Snubber				
2	SI-2080						
F-A	H-07935		1-ISI-SI-29 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SI-H-0554		Snubber				
2	SI-2080						
F-A	H-07936		1-ISI-SI-29 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SI-H-0560		Dual Snubber				
2	SI-2080						
F-A	H-07938		1-ISI-SI-29 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SI-H-0562		Dual Snubber				
2	SI-2080						
F-A	H-07940		1-ISI-SI-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SI-H-0565		Snubber				
2	SI-2080						
F-A	H-07941		1-ISI-SI-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SI-H-0588		Snubber				
2	SI-2080						
F-A	H-07942		1-ISI-SI-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SI-H-0591		Snubber				
2	SI-2080						
F-A	H-07943		1-ISI-SI-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SI-H-0593		Snubber				
2	SI-2080						
F-A	H-07944		1-ISI-SI-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SI-H-0595		Snubber				
2	SI-2080						
F-A	H-07945		1-ISI-SI-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SI-H-0597		Dual Snubber				
2	SI-2080						
F-A	H-07955		1-ISI-SI-29 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SI-H-0940		Snubber				
2	SI-2080						

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				1	2	3	
F-A	H-07962		1-ISI-SI-26 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SI-H-0981		Snubber				
2	SI-2080						
F-A	H-07972	ISI / VT	1-ISI-SI-26 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F1.20C	SI-H-1032		Snubber				
2	SI-2080						
F-A	H-07973		1-ISI-SI-26 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SI-H-1035		Snubber				
2	SI-2080						
F-A	H-07976		1-ISI-SI-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SI-H-1076		Snubber				
2	SI-2080						
F-A	H-07977	ISI / VT	1-ISI-SI-10	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F1.20C	SI-H-1079		Snubber				
2	SI-2080						
F-A	H-07979		1-ISI-SI-9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SI-H-1104		Snubber				
2	SI-2080						
F-A	H-07980		1-ISI-SI-29 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SI-H-1160		Dual Snubber				
2	SI-2080						
F-A	H-07982		1-ISI-SI-29 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SI-H-1161		Dual Snubber				
2	SI-2080						
F-A	H-07984	ISI / VT	1-ISI-SI-8 S01	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SI-H-1182		Snubber				
2	SI-2080						
F-A	H-07985	ISI / VT	1-ISI-SI-8 S02	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SI-H-1184		Snubber				
2	SI-2080						
F-A	H-07986		1-ISI-SI-8 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SI-H-1185		Snubber				
2	SI-2080						
F-A	H-07987		1-ISI-SI-25 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SI-H-1191		Snubber				
2	SI-2080						
F-A	H-07988		1-ISI-SI-25 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SI-H-1192		Snubber				
2	SI-2080						

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F-A	H-07990	ISI / VT	1-ISI-SI-26 S02	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	<input type="checkbox"/>	
F1.20C	SI-H-1199		Snubber				
2	SI-2080						
F-A	H-07993		1-ISI-RH-2 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SI-H-1282		Snubber				
2	SI-2080						
F-A	H-07994		1-ISI-RH-2 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SI-H-1571		Snubber				
2	SI-2080						
F-A	H-07997		1-ISI-SW-93 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SW-H-0217		Snubber				
2	SW-4065						
F-A	H-07998		1-ISI-SW-93 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SW-H-0220		Snubber				
2	SW-4065						
F-A	H-07999		1-ISI-SW-93 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SW-H-0222		Snubber				
2	SW-4065						
F-A	H-08007		1-ISI-SW-87 S03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SW-H-1888		Snubber				
2	SW-4065						
F-A	H-08008		1-ISI-SW-87 S03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SW-H-1897		Snubber				
2	SW-4065						
F-A	H-08009		1-ISI-SW-87 S03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SW-H-1900		Snubber				
2	SW-4065						
F-A	H-08015		1-ISI-SW-90 S03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SW-H-2033		Snubber				
2	SW-4065						
F-A	H-08016		1-ISI-SW-92 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	SW-H-2073		Snubber				
2	SW-4065						
F-A	H-08023	ISI / VT	1-ISI-MS-3	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	
F1.20C	MS-H-0006		Welded Dual Snubber				
2	MS-3020						
F-A	H-08024		1-ISI-MS-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.20C	MS-H-0007		Welded Dual Snubber				
2	MS-3020						

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				1	2	3	
F-A F1.20C 2	H-09693 SI-H-0383 SI-2080		1-ISI-SI-4 S01 Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-09697 SI-H-0390 SI-2080		1-ISI-SI-4 S01 Spring Can	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-09714 SI-H-0415 SI-2080		1-ISI-SI-4 S01 Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-09880 AF-H-0676 AF-3065		1-ISI-AF-9 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-09959 CT-H-0266 CT-2070		1-ISI-CT-8 S01 Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-09966 CT-H-0201 CT-2070		1-ISI-CT-7 S01 Welded Spring Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-09991 CT-H-0263 CT-2070		1-ISI-CT-8 S01 Spring Can	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-10001 SW-H-0223 SW-4065		1-ISI-SW-93 S01 Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-10013 SW-H-2274 SW-4065		1-ISI-SW-93 S02 Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-10016 SW-H-2273 SW-4065		1-ISI-SW-93 S02 Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-10020 SW-H-2272 SW-4065	ISI / VT	1-ISI-SW-92 S02 Spring Hanger	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.20C 2	H-10021 SW-H-2075 SW-4065	ISI / VT	1-ISI-SW-92 S02 Spring Hanger	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.20C 2	H-10023 SW-H-2074 SW-4065		1-ISI-SW-92 S02 Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



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F-A F1.20C 2	H-10032 SW-H-0211 SW-4065		1-ISI-SW-92 S01 Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-10038 SW-H-0252 SW-4065		1-ISI-SW-87 S01 Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-10100 SW-H-2026 SW-4065		1-ISI-SW-90 S03 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-10101 SW-H-2363 SW-4065		1-ISI-SW-90 S03 Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-10102 SW-H-2362 SW-4065		1-ISI-SW-90 S03 Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-10170 SW-H-0138 SW-4065		1-ISI-SW-88 S01 Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-10307 CT-H-0270 CT-2070		1-ISI-RH-2 S02 Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-10517 SW-H-1921 SW-4065	ISI / VT	1-ISI-SW-93 S01 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
F-A F1.20C 2	H-10518 SW-H-2005 SW-4065		1-ISI-SW-93 S02 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-10519 SW-H-2022 SW-4065		1-ISI-SW-93 S02 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-10554 CS-H-0149 CS-2060		1-ISI-CS-7 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.20C 2	H-10790 CS-H-0041 CS-2060		1-ISI-CS-1 S02 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	This support is shown on Rev.6 of Iso and is issued in Fusion.
F-A F1.20C 2	H-10792 SI-H-0942 SI-2080		1-ISI-SI-29 S02 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	This support is shown on Iso and issued in Fusion.

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F-A F1.20C 2	H-10813 CS-H-4437 CS-2060		1A-236-CS-58 Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-58 from Calc 141-1A.
F-A F1.20C 2	H-10827 CS-H-1465 CS-2060		1A-236-CS-24 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-236-CS-24 Page F3 from Calc 141-1. Support located on Valve 1CS-243 actuator.
F-A F1.20C 2	H-10861 CS-H2730 CS-2060		1A-261-CS-22 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-261-CS-22 from Calc 750-3.
F-A F1.20C 2	H-10866 CS-H-2722 CS-2060		1A-261-CS-23 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Support added from Stress Iso 1A-261-CS-23 from Calc 750-4.
F-A F1.30A 3	H-00082 AF-H-0153 AF-3065		1-ISI-AF-2 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00083 AF-H-0154 AF-3065		1-ISI-AF-2 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00085 AF-H-0158 AF-3065		1-ISI-AF-2 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00086 AF-H-0159 AF-3065		1-ISI-AF-2 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00087 AF-H-0160 AF-3065	ISI / VT	1-ISI-AF-2 Horizontal Rigid Strut	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.30A 3	H-00088 AF-H-0161 AF-3065		1-ISI-AF-2 Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00151 AF-H-0267 AF-3065		1-ISI-AF-4 S01 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00277 CC-H-0089 CC-4080		1-ISI-CC-6 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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F-A	H-00278	ISI / VT	1-ISI-CC-6	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.30A	CC-H-0090		Horizontal Rigid Strut Restraint				
3	CC-4080						
F-A	H-00279		1-ISI-CC-6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-0091		Rigid Strut Hanger				
3	CC-4080						
F-A	H-00281		1-ISI-CC-6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-0094		Rigid Strut Hanger				
3	CC-4080						
F-A	H-00284		1-ISI-CC-6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-0097		Rigid Strut Hanger				
3	CC-4080						
F-A	H-00285		1-ISI-CC-6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-0099		Rigid Strut Hanger				
3	CC-4080						
F-A	H-00286		1-ISI-CC-6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-0101		Horizontal Rigid Strut Restraint				
3	CC-4080						
F-A	H-00292		1-ISI-CC-6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-0113		Horizontal Rigid Strut Restraint				
3	CC-4080						
F-A	H-00295		1-ISI-CC-49	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-0213		Rigid Strut Support				
3	CC-4080						
F-A	H-00296		1-ISI-CC-49	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-0214		Horizontal Rigid Strut Restraint				
3	CC-4080						
F-A	H-00297		1-ISI-CC-49	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-0216		Rigid Strut Restraint				
3	CC-4080						
F-A	H-00311	ISI / VT	1-ISI-CC-1	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.30A	CC-H-0309		Dual Horizontal Rigid Strut				
3	CC-4080						
F-A	H-00314		1-ISI-CC-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-0314		Rigid Strut Support				
3	CC-4080						
F-A	H-00315		1-ISI-CC-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-0316		Horizontal Rigid Strut Restraint				
3	CC-4080						

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				1	2	3	
F-A	H-00316		1-ISI-CC-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-0320		Dual Rigid Strut Support				
3	CC-4080						
F-A	H-00317		1-ISI-CC-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-0322		Horizontal Rigid Strut Restraint				
3	CC-4080						
F-A	H-00318		1-ISI-CC-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-0323		Dual Rigid Strut Hanger				
3	CC-4080						
F-A	H-00319		1-ISI-CC-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-0324		Rigid Strut Support				
3	CC-4080						
F-A	H-00320		1-ISI-CC-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-0325		Horizontal Rigid Strut Restraint				
3	CC-4080						
F-A	H-00321		1-ISI-CC-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-0326		Horizontal Rigid Strut Restraint				
3	CC-4080						
F-A	H-00322		1-ISI-CC-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-0327		Rigid Strut Support				
3	CC-4080						
F-A	H-00329		1-ISI-CC-2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-0341		Rigid Strut Restraint				
3	CC-4080						
F-A	H-00333		1-ISI-CC-2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-0348		Rigid Strut Hanger				
3	CC-4080						
F-A	H-00334		1-ISI-CC-2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-0350		Rigid Strut Hanger				
3	CC-4080						
F-A	H-00335		1-ISI-CC-2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-0351		Welded Dual Horizontal Rigid Strut				
3	CC-4080						
F-A	H-00337		1-ISI-CC-2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-0352		Rigid Strut Hanger				
3	CC-4080						
F-A	H-00338		1-ISI-CC-2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-0354		Closed Box Restraint				
3	CC-4080						

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				1	2	3	
F-A F1.30A 3	H-00347 CC-H-0368 CC-4080		1-ISI-CC-2 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00348 CC-H-0369 CC-4080	ISI / VT	1-ISI-CC-2 Welded Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00350 CC-H-0370 CC-4080		1-ISI-CC-2 Welded Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00352 CC-H-0371 CC-4080		1-ISI-CC-2 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00354 CC-H-0374 CC-4080		1-ISI-CC-3 Welded Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00356 CC-H-0375 CC-4080		1-ISI-CC-3 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00358 CC-H-0377 CC-4080	ISI / VT	1-ISI-CC-3 Horizontal Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F-A F1.30A 3	H-00359 CC-H-0378 CC-4080		1-ISI-CC-3 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00360 CC-H-0379 CC-4080		1-ISI-CC-3 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00361 CC-H-0380 CC-4080		1-ISI-CC-3 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00363 CC-H-0382 CC-4080		1-ISI-CC-3 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00364 CC-H-0384 CC-4080	ISI / VT	1-ISI-CC-3 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F-A F1.30A 3	H-00365 CC-H-0385 CC-4080		1-ISI-CC-3 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
F-A F1.30A 3	H-00366 CC-H-0386 CC-4080		1-ISI-CC-3 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00367 CC-H-0387 CC-4080		1-ISI-CC-3 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00369 CC-H-0392 CC-4080		1-ISI-CC-4 Welded Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00371 CC-H-0393 CC-4080		1-ISI-CC-4 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00378 CC-H-0404 CC-4080		1-ISI-CC-4 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00383 CC-H-0411 CC-4080		1-ISI-CC-7 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00384 CC-H-0412 CC-4080		1-ISI-CC-7 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00385 CC-H-0413 CC-4080		1-ISI-CC-7 Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00390 CC-H-0419 CC-4080	ISI / VT	1-ISI-CC-8 Open Box Restraint	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.30A 3	H-00391 CC-H-0426 CC-4080		1-ISI-CC-8 Welded Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00393 CC-H-0428 CC-4080		1-ISI-CC-8 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00394 CC-H-0429 CC-4080		1-ISI-CC-8 Open Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00402 CC-H-0443 CC-4080		1-ISI-CC-9 Welded Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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F-A F1.30A 3	H-00404 CC-H-0444 CC-4080		1-ISI-CC-9 Welded Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00411 CC-H-0456 CC-4080		1-ISI-CC-9 Open Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00414 CC-H-0460 CC-4080		1-ISI-CC-9 Open Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00416 CC-H-0462 CC-4080		1-ISI-CC-9 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00417 CC-H-0464 CC-4080		1-ISI-CC-9 Open Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00424 CC-H-0474 CC-4080		1-ISI-CC-12 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00425 CC-H-0475 CC-4080		1-ISI-CC-12 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00431 CC-H-0492 CC-4080		1-ISI-CC-12 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00432 CC-H-0493 CC-4080		1-ISI-CC-12 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00433 CC-H-0494 CC-4080		1-ISI-CC-12 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00434 CC-H-0495 CC-4080		1-ISI-CC-12 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00438 CC-H-0499 CC-4080	ISI / VT	1-ISI-CC-12 Welded Dual Rigid Strut Hanger	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00440 CC-H-0502 CC-4080		1-ISI-CC-12 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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F-A	H-00442		1-ISI-CC-12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-0504		Rigid Strut Hanger				
3	CC-4080						
F-A	H-00443		1-ISI-CC-12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-0505		Welded Closed Box Restraint				
3	CC-4080						
F-A	H-00445		1-ISI-CC-12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-0509		Rigid Strut Hanger				
3	CC-4080						
F-A	H-00446		1-ISI-CC-12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-0510		Horizontal Rigid Strut Restraint				
3	CC-4080						
F-A	H-00447		1-ISI-CC-12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-0512		Welded Dual Rigid Strut Support				
3	CC-4080						
F-A	H-00449		1-ISI-CC-15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-0513		Rigid Strut Support				
3	CC-4080						
F-A	H-00450		1-ISI-CC-16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-0526		Rigid Strut Hanger				
3	CC-4080						
F-A	H-00451		1-ISI-CC-16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-0527		Horizontal Rigid Strut Restraint				
3	CC-4080						
F-A	H-00457		1-ISI-CC-16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-0544		Rigid Strut Support				
3	CC-4080						
F-A	H-00458		1-ISI-CC-16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-0545		Horizontal Rigid Strut Restraint				
3	CC-4080						
F-A	H-00461		1-ISI-CC-24	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-0558		Horizontal Rigid Strut Restraint				
3	CC-4080						
F-A	H-00462		1-ISI-CC-24	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-0559		U-Bolt Restraint				
3	CC-4080						
F-A	H-00463		1-ISI-CC-24	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-0560		U-Bolt Restraint				
3	CC-4080						



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F-A F1.30A 3	H-00464 CC-H-0561 CC-4080		1-ISI-CC-24 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00465 CC-H-0562 CC-4080		1-ISI-CC-24 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00466 CC-H-0566 CC-4080		1-ISI-CC-24 Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00467 CC-H-0567 CC-4080	ISI / VT	1-ISI-CC-24 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
F-A F1.30A 3	H-00468 CC-H-0568 CC-4080		1-ISI-CC-24 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00469 CC-H-0569 CC-4080		1-ISI-CC-24 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00471 CC-H-0571 CC-4080		1-ISI-CC-24 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00472 CC-H-0572 CC-4080		1-ISI-CC-24 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00473 CC-H-0679 CC-4080		1-ISI-CC-29 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00474 CC-H-0680 CC-4080		1-ISI-CC-29 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00478 CC-H-0767 CC-4080		1-ISI-CC-18 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00479 CC-H-0768 CC-4080		1-ISI-CC-18 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00480 CC-H-0769 CC-4080		1-ISI-CC-18 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
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F-A F1.30A 3	H-00481 CC-H-0770 CC-4080		1-ISI-CC-18 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00482 CC-H-0784 CC-4080		1-ISI-CC-18 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00483 CC-H-0785 CC-4080		1-ISI-CC-18 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00484 CC-H-0787 CC-4080		1-ISI-CC-19 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00485 CC-H-0788 CC-4080		1-ISI-CC-19 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00491 CC-H-0877 CC-4080	ISI / VT	1-ISI-CC-11 Welded Rigid Strut Hanger	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.30A 3	H-00496 CC-H-0887 CC-4080		1-ISI-CC-13 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00497 CC-H-0888 CC-4080		1-ISI-CC-13 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00499 CC-H-0891 CC-4080		1-ISI-CC-13 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00500 CC-H-0892 CC-4080		1-ISI-CC-13 Welded Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00502 CC-H-0893 CC-4080		1-ISI-CC-13 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00503 CC-H-0894 CC-4080		1-ISI-CC-13 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00504 CC-H-0896 CC-4080		1-ISI-CC-13 Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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F-A F1.30A 3	H-00505 CC-H-0898 CC-4080		1-ISI-CC-13 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00506 CC-H-0899 CC-4080	ISI / VT	1-ISI-CC-13 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00507 CC-H-0901 CC-4080		1-ISI-CC-13 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00508 CC-H-0902 CC-4080		1-ISI-CC-13 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00509 CC-H-0903 CC-4080		1-ISI-CC-13 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00514 CC-H-0908 CC-4080	ISI / VT	1-ISI-CC-14 Welded Dual Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F-A F1.30A 3	H-00516 CC-H-0909 CC-4080		1-ISI-CC-14 Welded Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00520 CC-H-0913 CC-4080		1-ISI-CC-14 Welded Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00522 CC-H-0915 CC-4080		1-ISI-CC-14 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00523 CC-H-0917 CC-4080		1-ISI-CC-14 Dual Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00525 CC-H-0920 CC-4080		1-ISI-CC-21 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00526 CC-H-0921 CC-4080		1-ISI-CC-21 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00527 CC-H-0923 CC-4080		1-ISI-CC-21 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
F-A F1.30A 3	H-00528 CC-H-0924 CC-4080		1-ISI-CC-21 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00529 CC-H-0925 CC-4080	ISI / VT	1-ISI-CC-21 Rigid Strut Hanger	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.30A 3	H-00530 CC-H-0926 CC-4080		1-ISI-CC-21 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00531 CC-H-0927 CC-4080		1-ISI-CC-21 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00532 CC-H-0928 CC-4080		1-ISI-CC-21 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00533 CC-H-0929 CC-4080		1-ISI-CC-21 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00534 CC-H-0930 CC-4080		1-ISI-CC-21 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00535 CC-H-0931 CC-4080		1-ISI-CC-21 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00536 CC-H-0932 CC-4080		1-ISI-CC-21 Welded Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00538 CC-H-0933 CC-4080		1-ISI-CC-21 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00539 CC-H-0934 CC-4080		1-ISI-CC-21 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00540 CC-H-0935 CC-4080	ISI / VT	1-ISI-CC-21 Welded Dual Horizontal Rigid Strut	s	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00542 CC-H-0936 CC-4080		1-ISI-CC-21 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
F-A F1.30A 3	H-00543 CC-H-0937 CC-4080		1-ISI-CC-21 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00544 CC-H-0938 CC-4080		1-ISI-CC-21 Welded Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00546 CC-H-0939 CC-4080		1-ISI-CC-21 Welded Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00548 CC-H-0940 CC-4080		1-ISI-CC-22 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00549 CC-H-0941 CC-4080		1-ISI-CC-22 Welded Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00551 CC-H-0942 CC-4080		1-ISI-CC-22 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00552 CC-H-0943 CC-4080		1-ISI-CC-22 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00553 CC-H-0945 CC-4080	ISI / VT	1-ISI-CC-22 Welded Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00555 CC-H-0947 CC-4080		1-ISI-CC-22 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00556 CC-H-0948 CC-4080		1-ISI-CC-22 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00557 CC-H-0949 CC-4080		1-ISI-CC-22 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00559 CC-H-0951 CC-4080		1-ISI-CC-22 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00563 CC-H-1332 CC-4080		1-ISI-CC-64 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
F-A F1.30A 3	H-00564 CC-H-1333 CC-4080		1-ISI-CC-64 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00565 CC-H-1343 CC-4080		1-ISI-CC-63 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00566 CC-H-1344 CC-4080		1-ISI-CC-63 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00567 CC-H-1345 CC-4080		1-ISI-CC-63 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00568 CC-H-1346 CC-4080	ISI / VT	1-ISI-CC-63 Welded Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
F-A F1.30A 3	H-00570 CC-H-1347 CC-4080		1-ISI-CC-63 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00571 CC-H-1348 CC-4080		1-ISI-CC-63 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00575 CC-H-1556 CC-4080		1-ISI-CC-19 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00579 CC-H-1583 CC-4080		1-ISI-CC-11 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00580 CC-H-1588 CC-4080	ISI / VT	1-ISI-CC-21 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/> s	<input type="checkbox"/>	
F-A F1.30A 3	H-00583 CC-H-1595 CC-4080		1-ISI-CC-21 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00585 CC-H-1724 CC-4080		1-ISI-CC-4 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00587 CC-H-1769 CC-4080	ISI / VT	1-ISI-CC-8 Welded Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/> s	<input type="checkbox"/>	

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				1	2	3	
F-A F1.30A 3	H-00588 CC-H-1777 CC-4080		1-ISI-CC-21 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00589 CC-H-1778 CC-4080		1-ISI-CC-21 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00590 CC-H-1779 CC-4080		1-ISI-CC-21 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00592 CC-H-1801 CC-4080		1-ISI-CC-22 Welded Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00594 CC-H-1802 CC-4080	ISI / VT	1-ISI-CC-22 Welded Dual Horizontal Rigid Strut	s	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00599 CC-H-1810 CC-4080		1-ISI-CC-65 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00600 CC-H-1816 CC-4080		1-ISI-CC-15 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00601 CC-H-1817 CC-4080		1-ISI-CC-15 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00602 CC-H-1818 CC-4080		1-ISI-CC-2 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00605 CC-H-1952 CC-4080	ISI / VT	1-ISI-CC-12 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	s	
F-A F1.30A 3	H-00606 CC-H-1953 CC-4080		1-ISI-CC-12 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00608 CC-H-1964 CC-4080		1-ISI-CC-13 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00609 CC-H-1966 CC-4080		1-ISI-CC-14 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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F-A	H-00612		1-ISI-CC-19	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-1976		Horizontal Rigid Strut Restraint				
3	CC-4080						
F-A	H-00613		1-ISI-CC-9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-1997		Horizontal Rigid Strut Restraint				
3	CC-4080						
F-A	H-00614		1-ISI-CC-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-1998		Rigid Strut Support				
3	CC-4080						
F-A	H-00617		1-ISI-CC-65	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-2009		Rigid Strut Hanger				
3	CC-4080						
F-A	H-00618		1-ISI-CC-65	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-2010		Rigid Strut Hanger				
3	CC-4080						
F-A	H-00619		1-ISI-CC-65	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-2011		Rigid Strut Hanger				
3	CC-4080						
F-A	H-00620		1-ISI-CC-65	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-2012		Rigid Strut Hanger				
3	CC-4080						
F-A	H-00621		1-ISI-CC-65	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-2014		Rigid Strut Support				
3	CC-4080						
F-A	H-00623	ISI / VT	1-ISI-CC-8	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.30A	CC-H-2075		Rigid Strut Hanger				
3	CC-4080						
F-A	H-00624		1-ISI-CC-1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-2189		Horizontal Rigid Strut Restraint				
3	CC-4080						
F-A	H-00627		1-ISI-CC-22	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-2221		Horizontal Rigid Strut Restraint				
3	CC-4080						
F-A	H-00658		1-ISI-CH-19	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CH-H-0275		Horizontal Rigid Strut Restraint				
3	CH-4085						
F-A	H-00667		1-ISI-CH-7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CH-H-0494		Horizontal Rigid Strut Restraint				
3	CH-4085						



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F-A F1.30A 3	H-00668 CH-H-0503 CH-4085		1-ISI-CH-7 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00669 CH-H-0504 CH-4085		1-ISI-CH-7 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00670 CH-H-0901 CH-4085		1-ISI-CH-7 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00671 CH-H-0902 CH-4085		1-ISI-CH-7 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00672 CH-H-0903 CH-4085		1-ISI-CH-7 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00673 CH-H-0904 CH-4085		1-ISI-CH-7 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00674 CH-H-1461 CH-4085		1-ISI-CH-26 Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00675 CH-H-1462 CH-4085		1-ISI-CH-26 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00680 CH-H-1521 CH-4085	ISI / VT	1-ISI-CH-37 Horizontal Rigid Strut Restraint	<input type="checkbox"/> s	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00681 CH-H-1522 CH-4085	ISI / VT	1-ISI-CH-37 Horizontal Rigid Strut Restraint	<input type="checkbox"/> s	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00682 CH-H-1523 CH-4085		1-ISI-CH-37 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00683 CH-H-1524 CH-4085		1-ISI-CH-37 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00684 CH-H-1525 CH-4085		1-ISI-CH-37 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
F-A	H-00685		1-ISI-CH-37	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CH-H-1526		Horizontal Rigid Strut Restraint				
3	CH-4085						
F-A	H-00686		1-ISI-CH-37	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CH-H-1527		Rigid Strut Hanger				
3	CH-4085						
F-A	H-00687		1-ISI-CH-38	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CH-H-1531		Horizontal Rigid Strut Restraint				
3	CH-4085						
F-A	H-00688		1-ISI-CH-38	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CH-H-1532		Horizontal Rigid Strut Restraint				
3	CH-4085						
F-A	H-00689		1-ISI-CH-38	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CH-H-1533		Rigid Strut Hanger				
3	CH-4085						
F-A	H-00690		1-ISI-CH-38	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CH-H-1534		Horizontal Rigid Strut Restraint				
3	CH-4085						
F-A	H-00691		1-ISI-CH-38	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CH-H-1535		Horizontal Rigid Strut Restraint				
3	CH-4085						
F-A	H-00692		1-ISI-CH-38	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CH-H-1536		Horizontal Rigid Strut Restraint				
3	CH-4085						
F-A	H-00693		1-ISI-CH-38	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CH-H-1537		Horizontal Rigid Strut Restraint				
3	CH-4085						
F-A	H-00694		1-ISI-CH-38	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CH-H-1538		Horizontal Rigid Strut Restraint				
3	CH-4085						
F-A	H-00695		1-ISI-CH-38	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CH-H-1539		Horizontal Rigid Strut Restraint				
3	CH-4085						
F-A	H-00696	ISI / VT	1-ISI-CH-38	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
F1.30A	CH-H-1540		Rigid Strut Hanger				
3	CH-4085						
F-A	H-00697		1-ISI-CH-38	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CH-H-1541		Horizontal Rigid Strut Restraint				
3	CH-4085						

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				1	2	3	
F-A F1.30A 3	H-00698 CH-H-1542 CH-4085		1-ISI-CH-38 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00699 CH-H-1543 CH-4085		1-ISI-CH-24 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00700 CH-H-1544 CH-4085		1-ISI-CH-24 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00701 CH-H-1545 CH-4085		1-ISI-CH-24 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00702 CH-H-1546 CH-4085		1-ISI-CH-24 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00705 CH-H-1549 CH-4085		1-ISI-CH-24 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00706 CH-H-1550 CH-4085		1-ISI-CH-24 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00707 CH-H-1551 CH-4085		1-ISI-CH-24 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00708 CH-H-1569 CH-4085		1-ISI-CH-45 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00709 CH-H-1570 CH-4085		1-ISI-CH-45 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00710 CH-H-1571 CH-4085	ISI / VT	1-ISI-CH-45 Horizontal Rigid Strut Restraint	<input type="checkbox"/> s	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00711 CH-H-1572 CH-4085	ISI / VT	1-ISI-CH-45 Horizontal Rigid Strut Restraint	<input type="checkbox"/> s	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00712 CH-H-1573 CH-4085		1-ISI-CH-45 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
F-A	H-00713		1-ISI-CH-45	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CH-H-1574		Rigid Strut Hanger				
3	CH-4085						
F-A	H-00714		1-ISI-CH-45	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CH-H-1575		Rigid Strut Hanger				
3	CH-4085						
F-A	H-00715		1-ISI-CH-45	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CH-H-1576		Horizontal Rigid Strut Restraint				
3	CH-4085						
F-A	H-00719		1-ISI-CH-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CH-H-1673		Horizontal Rigid Strut Restraint				
3	CH-4085						
F-A	H-00720		1-ISI-CH-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CH-H-1674		Rigid Strut Hanger				
3	CH-4085						
F-A	H-00721		1-ISI-CH-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CH-H-1675		Horizontal Rigid Strut Restraint				
3	CH-4085						
F-A	H-00722		1-ISI-CH-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CH-H-1676		Rigid Strut Hanger				
3	CH-4085						
F-A	H-00723		1-ISI-CH-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CH-H-1677		Rigid Strut Hanger				
3	CH-4085						
F-A	H-00724		1-ISI-CH-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CH-H-1678		Horizontal Rigid Strut Restraint				
3	CH-4085						
F-A	H-00727		1-ISI-CH-7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CH-H-1729		Rigid Strut Hanger				
3	CH-4085						
F-A	H-00728		1-ISI-CH-7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CH-H-1730		Rigid Strut Hanger				
3	CH-4085						
F-A	H-00731	ISI / VT	1-ISI-CH-49	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CH-H-1735		Horizontal Rigid Strut Restraint				
3	CH-4085						
F-A	H-00732	ISI / VT	1-ISI-CH-49	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CH-H-1736		Horizontal Rigid Strut Restraint				
3	CH-4085						

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				1	2	3	
F-A F1.30A 3	H-00733 CH-H-1737 CH-4085		1-ISI-CH-49 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00734 CH-H-1738 CH-4085		1-ISI-CH-49 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00735 CH-H-1740 CH-4085		1-ISI-CH-49 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00736 CH-H-1767 CH-4085		1-ISI-CH-26 Dual Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00737 CH-H-1770 CH-4085		1-ISI-CH-24 Dual Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00738 CH-H-1771 CH-4085		1-ISI-CH-24 Welded Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00741 CH-H-1778 CH-4085		1-ISI-CH-38 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00742 CH-H-1786 CH-4085		1-ISI-CH-7 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00743 CH-H-1812 CH-4085		1-ISI-CH-49 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00744 CH-H-1814 CH-4085		1-ISI-CH-49 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00745 CH-H-1844 CH-4085		1-ISI-CH-7 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00940 CX-H-0353 CX-4085		1-ISI-CX-19 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00943 CX-H-0360 CX-4085		1-ISI-CX-19 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
F-A F1.30A 3	H-00951 CX-H-0913 CX-4085	ISI / VT	1-ISI-CX-10 Horizontal Rigid Strut Restraint	s			
F-A F1.30A 3	H-00952 CX-H-0914 CX-4085	ISI / VT	1-ISI-CX-10 Horizontal Rigid Strut Restraint	s			
F-A F1.30A 3	H-00953 CX-H-0915 CX-4085		1-ISI-CX-10 Rigid Strut Hanger				
F-A F1.30A 3	H-00954 CX-H-0916 CX-4085		1-ISI-CX-10 Horizontal Rigid Strut Restraint				
F-A F1.30A 3	H-00955 CX-H-0917 CX-4085		1-ISI-CX-10 Horizontal Rigid Strut Restraint				
F-A F1.30A 3	H-00956 CX-H-0918 CX-4085		1-ISI-CX-10 Dual Horizontal Rigid Strut				
F-A F1.30A 3	H-00957 CX-H-1497 CX-4085		1-ISI-CX-40 Rigid Strut Support				
F-A F1.30A 3	H-00958 CX-H-1498 CX-4085		1-ISI-CX-40 Horizontal Rigid Strut Restraint				
F-A F1.30A 3	H-00959 CX-H-1499 CX-4085		1-ISI-CX-40 Horizontal Rigid Strut Restraint				
F-A F1.30A 3	H-00960 CX-H-1500 CX-4085		1-ISI-CX-40 Rigid Strut Hanger				
F-A F1.30A 3	H-00961 CX-H-1501 CX-4085		1-ISI-CX-40 Horizontal Rigid Strut Restraint				
F-A F1.30A 3	H-00962 CX-H-1502 CX-4085		1-ISI-CX-40 Horizontal Rigid Strut Restraint				
F-A F1.30A 3	H-00963 CX-H-1503 CX-4085		1-ISI-CX-41 Horizontal Rigid Strut Restraint				

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				1	2	3	
F-A F1.30A 3	H-00964 CX-H-1504 CX-4085		1-ISI-CX-41 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00965 CX-H-1506 CX-4085		1-ISI-CX-41 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00966 CX-H-1507 CX-4085		1-ISI-CX-41 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00967 CX-H-1508 CX-4085		1-ISI-CX-41 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00968 CX-H-1509 CX-4085		1-ISI-CX-41 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00969 CX-H-1510 CX-4085		1-ISI-CX-41 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00970 CX-H-1511 CX-4085		1-ISI-CX-41 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00971 CX-H-1512 CX-4085		1-ISI-CX-41 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00972 CX-H-1513 CX-4085		1-ISI-CX-41 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00973 CX-H-1514 CX-4085		1-ISI-CX-41 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00974 CX-H-1515 CX-4085	ISI / VT	1-ISI-CX-41 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
F-A F1.30A 3	H-00975 CX-H-1516 CX-4085		1-ISI-CX-41 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00976 CX-H-1517 CX-4085		1-ISI-CX-41 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
F-A	H-00977		1-ISI-CX-41	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CX-H-1518		Rigid Strut Hanger				
3	CX-4085						
F-A	H-00978		1-ISI-CX-41	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CX-H-1519		Rigid Strut Hanger				
3	CX-4085						
F-A	H-00979		1-ISI-CX-41	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CX-H-1520		Rigid Strut Hanger				
3	CX-4085						
F-A	H-00980		1-ISI-CX-41	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CX-H-1521		Rigid Strut Hanger				
3	CX-4085						
F-A	H-00981		1-ISI-CX-39	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CX-H-1522		Rigid Strut Support				
3	CX-4085						
F-A	H-00982		1-ISI-CX-39	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CX-H-1523		Dual Horizontal Rigid Strut				
3	CX-4085						
F-A	H-00985		1-ISI-CX-39	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CX-H-1525		Horizontal Rigid Strut Restraint				
3	CX-4085						
F-A	H-00986		1-ISI-CX-39	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CX-H-1526		Rigid Strut Support				
3	CX-4085						
F-A	H-00987		1-ISI-CX-39	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CX-H-1527		Rigid Strut Support				
3	CX-4085						
F-A	H-00988		1-ISI-CX-39	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CX-H-1528		Horizontal Rigid Strut Restraint				
3	CX-4085						
F-A	H-00989		1-ISI-CX-39	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CX-H-1530		Horizontal Rigid Strut Restraint				
3	CX-4085						
F-A	H-00990		1-ISI-CX-39	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CX-H-1531		Dual Rigid Strut Support				
3	CX-4085						
F-A	H-00991		1-ISI-CX-47	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CX-H-1541		Horizontal Rigid Strut Restraint				
3	CX-4085						



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F-A F1.30A 3	H-00993 CX-H-1545 CX-4085		1-ISI-CX-65 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00994 CX-H-1546 CX-4085		1-ISI-CX-65 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00995 CX-H-1547 CX-4085		1-ISI-CX-65 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00996 CX-H-1548 CX-4085		1-ISI-CX-65 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00997 CX-H-1549 CX-4085		1-ISI-CX-65 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-00998 CX-H-1614 CX-4085	ISI / VT	1-ISI-CX-48 Dual Rigid Strut Support	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.30A 3	H-00999 CX-H-1615 CX-4085		1-ISI-CX-48 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-01000 CX-H-1617 CX-4085	ISI / VT	1-ISI-CX-48 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.30A 3	H-01001 CX-H-1618 CX-4085	ISI / VT	1-ISI-CX-48 Rigid Strut Support	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.30A 3	H-01002 CX-H-1619 CX-4085		1-ISI-CX-48 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-01003 CX-H-1620 CX-4085		1-ISI-CX-48 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-01004 CX-H-1621 CX-4085		1-ISI-CX-48 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-01005 CX-H-1622 CX-4085		1-ISI-CX-48 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
F-A	H-01006		1-ISI-CX-48	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CX-H-1623		Rigid Strut Hanger				
3	CX-4085						
F-A	H-01007		1-ISI-CX-48	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CX-H-1624		Dual Horizontal Rigid Strut				
3	CX-4085						
F-A	H-01008	ISI / VT	1-ISI-CX-42	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F1.30A	CX-H-1723		Rigid Strut Hanger				
3	CX-4085						
F-A	H-01009	ISI / VT	1-ISI-CX-42	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F1.30A	CX-H-1724		Rigid Strut Hanger				
3	CX-4085						
F-A	H-01010		1-ISI-CX-42	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CX-H-1725		Horizontal Rigid Strut Restraint				
3	CX-4085						
F-A	H-01011		1-ISI-CX-42	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CX-H-1726		Horizontal Rigid Strut Restraint				
3	CX-4085						
F-A	H-01012		1-ISI-CX-42	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CX-H-1727		Horizontal Rigid Strut Restraint				
3	CX-4085						
F-A	H-01013		1-ISI-CX-42	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CX-H-1728		Horizontal Rigid Strut Restraint				
3	CX-4085						
F-A	H-01014		1-ISI-CX-42	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CX-H-1729		Rigid Strut Hanger				
3	CX-4085						
F-A	H-01015		1-ISI-CX-42	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CX-H-1730		Horizontal Rigid Strut Restraint				
3	CX-4085						
F-A	H-01016		1-ISI-CX-42	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CX-H-1731		Horizontal Rigid Strut Restraint				
3	CX-4085						
F-A	H-01017		1-ISI-CX-42	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CX-H-1732		Rigid Strut Hanger				
3	CX-4085						
F-A	H-01020		1-ISI-CX-27	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CX-H-1749		Horizontal Rigid Strut Restraint				
3	CX-4085						

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				1	2	3	
F-A F1.30A 3	H-01021 CX-H-1750 CX-4085		1-ISI-CX-27 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-01022 CX-H-1802 CX-4085		1-ISI-CX-65 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-01023 CX-H-1803 CX-4085		1-ISI-CX-65 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-01024 CX-H-1804 CX-4085		1-ISI-CX-65 Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-01025 CX-H-1805 CX-4085		1-ISI-CX-65 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-01026 CX-H-1806 CX-4085		1-ISI-CX-65 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-01027 CX-H-1807 CX-4085		1-ISI-CX-65 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-01030 CX-H-1857 CX-4085		1-ISI-CX-10 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-01031 CX-H-1858 CX-4085		1-ISI-CX-10 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-01032 CX-H-1865 CX-4085		1-ISI-CX-27 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-01033 CX-H-1866 CX-4085		1-ISI-CX-27 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-01034 CX-H-1888 CX-4085		1-ISI-CX-10 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-01035 CX-H-1889 CX-4085		1-ISI-CX-10 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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F-A F1.30A 3	H-01036 CX-H-1890 CX-4085		1-ISI-CX-10 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-01037 CX-H-1891 CX-4085		1-ISI-CX-10 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-01039 CX-H-1923 CX-4085		1-ISI-CX-40 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-01040 CX-H-1928 CX-4085		1-ISI-CX-27 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-01041 CX-H-1929 CX-4085		1-ISI-CX-27 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-01042 CX-H-1933 CX-4085		1-ISI-CX-27 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-01043 CX-H-1934 CX-4085		1-ISI-CX-27 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-01044 CX-H-1935 CX-4085		1-ISI-CX-27 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-01045 CX-H-1936 CX-4085		1-ISI-CX-65 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-01046 CX-H-1947 CX-4085	ISI / VT	1-ISI-CX-47 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-01047 CX-H-1948 CX-4085	ISI / VT	1-ISI-CX-47 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-01048 CX-H-2330 CX-4085		1-ISI-CX-65 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-01049 CX-H-2405 CX-4085		1-ISI-CX-65 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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F-A F1.30A 3	H-04946 MS-H-0178 MS-3020		1-ISI-MS-7 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-04947 MS-H-0179 MS-3020		1-ISI-MS-7 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-04948 MS-H-0180 MS-3020		1-ISI-MS-7 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-04949 MS-H-0181 MS-3020	ISI / VT	1-ISI-MS-7 Rigid Strut Support	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.30A 3	H-04951 MS-H-0184 MS-3020		1-ISI-MS-8 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-04952 MS-H-0186 MS-3020		1-ISI-MS-8 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-04953 MS-H-0188 MS-3020		1-ISI-MS-8 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-04954 MS-H-0189 MS-3020		1-ISI-MS-8 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-04955 MS-H-0190 MS-3020	ISI / VT	1-ISI-MS-8 Horizontal Rigid Strut Restraint	s	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-04956 MS-H-0191 MS-3020		1-ISI-MS-8 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-04957 MS-H-0192 MS-3020		1-ISI-MS-8 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-04960 MS-H-0199 MS-3020		1-ISI-MS-8 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-04961 MS-H-0201 MS-3020		1-ISI-MS-8 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
F-A F1.30A 3	H-05451 SW-H-0034 SW-4060	ISI / VT	1-ISI-SW-10 Rigid Strut Hanger	s			
F-A F1.30A 3	H-05452 SW-H-0035 SW-4060		1-ISI-SW-10 Horizontal Rigid Strut Restraint				
F-A F1.30A 3	H-05453 SW-H-0036 SW-4060		1-ISI-SW-10 Rigid Strut Hanger				
F-A F1.30A 3	H-05455 SW-H-0037 SW-4060		1-ISI-SW-10 Horizontal Rigid Strut Restraint				
F-A F1.30A 3	H-05456 SW-H-0038 SW-4060		1-ISI-SW-10 Rigid Strut Hanger				
F-A F1.30A 3	H-05457 SW-H-0039 SW-4060	ISI / VT	1-ISI-SW-10 Rigid Strut Hanger		s		
F-A F1.30A 3	H-05458 SW-H-0040 SW-4060		1-ISI-SW-10 Rigid Strut Hanger				
F-A F1.30A 3	H-05459 SW-H-0041 SW-4060	ISI / VT	1-ISI-SW-10 Rigid Strut Hanger	s			
F-A F1.30A 3	H-05462 SW-H-0043 SW-4060		1-ISI-SW-11 Rigid Strut Hanger				
F-A F1.30A 3	H-05463 SW-H-0045 SW-4060		1-ISI-SW-11 Rigid Strut Hanger				
F-A F1.30A 3	H-05464 SW-H-0048 SW-4060	ISI / VT	1-ISI-SW-11 Rigid Strut Hanger		s		
F-A F1.30A 3	H-05465 SW-H-0052 SW-4060		1-ISI-SW-12 Rigid Strut Hanger				
F-A F1.30A 3	H-05469 SW-H-0060 SW-4060		1-ISI-SW-12 Rigid Strut Hanger				

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F-A F1.30A 3	H-05470 SW-H-0061 SW-4060		1-ISI-SW-13 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05471 SW-H-0062 SW-4060		1-ISI-SW-13 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05472 SW-H-0063 SW-4060		1-ISI-SW-13 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05474 SW-H-0064 SW-4060		1-ISI-SW-13 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05476 SW-H-0065 SW-4060		1-ISI-SW-13 Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05477 SW-H-0066 SW-4060		1-ISI-SW-13 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05480 SW-H-0072 SW-4060		1-ISI-SW-13 Welded Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05484 SW-H-0075 SW-4060		1-ISI-SW-13 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05485 SW-H-0076 SW-4060		1-ISI-SW-13 Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05486 SW-H-0098 SW-4060		1-ISI-SW-16 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05487 SW-H-0099 SW-4060		1-ISI-SW-16 Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05488 SW-H-0101 SW-4060		1-ISI-SW-16 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05494 SW-H-0109 SW-4060		1-ISI-SW-16 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
F-A F1.30A 3	H-05495 SW-H-0110 SW-4060		1-ISI-SW-16 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05498 SW-H-0113 SW-4060		1-ISI-SW-17 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05499 SW-H-0114 SW-4060	ISI / VT	1-ISI-SW-17 Welded Dual Horizontal Rigid Strut	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.30A 3	H-05501 SW-H-0115 SW-4060		1-ISI-SW-17 Welded Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05549 SW-H-0419 SW-4060		1-ISI-SW-4 Welded Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05552 SW-H-0422 SW-4060		1-ISI-SW-4 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05553 SW-H-0423 SW-4060		1-ISI-SW-4 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05554 SW-H-0424 SW-4065		1-ISI-SW-4 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05555 SW-H-0425 SW-4060		1-ISI-SW-4 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05556 SW-H-0427 SW-4060		1-ISI-SW-4 Dual Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05560 SW-H-0432 SW-4060		1-ISI-SW-112 Open Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05561 SW-H-0433 SW-4060		1-ISI-SW-112 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05567 SW-H-0441 SW-4060		1-ISI-SW-43 S01 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



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F-A F1.30A 3	H-05568 SW-H-0442 SW-4060		1-ISI-SW-43 S01 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05569 SW-H-0443 SW-4060		1-ISI-SW-43 S01 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05571 SW-H-0445 SW-4060		1-ISI-SW-43 S01 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05572 SW-H-0446 SW-4060		1-ISI-SW-43 S01 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05573 SW-H-0448 SW-4060	ISI / VT	1-ISI-SW-1 Closed Box Restraint	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.30A 3	H-05577 SW-H-0454 SW-4060		1-ISI-SW-1 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05578 SW-H-0455 SW-4060		1-ISI-SW-1 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05580 SW-H-0458 SW-4060		1-ISI-SW-1 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05581 SW-H-0459 SW-4060		1-ISI-SW-1 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05583 SW-H-0462 SW-4060		1-ISI-SW-1 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05584 SW-H-0463 SW-4060		1-ISI-SW-1 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05586 SW-H-0466 SW-4060		1-ISI-SW-1 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05587 SW-H-0467 SW-4060		1-ISI-SW-1 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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F-A F1.30A 3	H-05595 SW-H-0483 SW-4060		1-ISI-SW-2 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05603 SW-H-0495 SW-4060		1-ISI-SW-44 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05604 SW-H-0496 SW-4060		1-ISI-SW-44 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05605 SW-H-0497 SW-4060		1-ISI-SW-44 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05608 SW-H-0501 SW-4060	ISI / VT	1-ISI-SW-44 Rigid Strut Support	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.30A 3	H-05609 SW-H-0502 SW-4060		1-ISI-SW-44 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05610 SW-H-0503 SW-4060		1-ISI-SW-44 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05611 SW-H-0504 SW-4060		1-ISI-SW-44 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05612 SW-H-0505 SW-4060		1-ISI-SW-44 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05613 SW-H-0506 SW-4060		1-ISI-SW-44 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05614 SW-H-0507 SW-4060	ISI / VT	1-ISI-SW-48 Welded Closed Box Restraint	s	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05616 SW-H-0508 SW-4060		1-ISI-SW-48 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05617 SW-H-0509 SW-4060	ISI / VT	1-ISI-SW-48 Rigid Strut Hanger	<input type="checkbox"/>	s	<input type="checkbox"/>	

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F-A F1.30A 3	H-05618 SW-H-0510 SW-4060		1-ISI-SW-48 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05619 SW-H-0511 SW-4060		1-ISI-SW-48 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05620 SW-H-0512 SW-4060		1-ISI-SW-48 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05621 SW-H-0513 SW-4060		1-ISI-SW-48 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05622 SW-H-0514 SW-4060		1-ISI-SW-48 Dual Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05623 SW-H-0515 SW-4060		1-ISI-SW-48 Welded Dual Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05625 SW-H-0516 SW-4060		1-ISI-SW-48 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05626 SW-H-0517 SW-4060		1-ISI-SW-5 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05627 SW-H-0518 SW-4060		1-ISI-SW-5 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05628 SW-H-0519 SW-4060		1-ISI-SW-5 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05629 SW-H-0521 SW-4060		1-ISI-SW-5 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05630 SW-H-0522 SW-4060		1-ISI-SW-5 Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05632 SW-H-0525 SW-4060		1-ISI-SW-5 Dual Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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F-A F1.30A 3	H-05633 SW-H-0527 SW-4060		1-ISI-SW-8 Dual Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05634 SW-H-0528 SW-4060		1-ISI-SW-8 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05635 SW-H-0529 SW-4060		1-ISI-SW-8 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05636 SW-H-0530 SW-4060		1-ISI-SW-8 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05637 SW-H-0531 SW-4060		1-ISI-SW-8 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05638 SW-H-0532 SW-4060		1-ISI-SW-8 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05639 SW-H-0533 SW-4060	ISI / VT	1-ISI-SW-8 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.30A 3	H-05640 SW-H-0534 SW-4060		1-ISI-SW-8 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05641 SW-H-0535 SW-4060		1-ISI-SW-8 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05642 SW-H-0536 SW-4060		1-ISI-SW-8 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05643 SW-H-0537 SW-4060		1-ISI-SW-8 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05644 SW-H-0538 SW-4060		1-ISI-SW-8 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05645 SW-H-0539 SW-4060		1-ISI-SW-8 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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F-A F1.30A 3	H-05646 SW-H-0540 SW-4060		1-ISI-SW-8 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05660 SW-H-0609 SW-4060		1-ISI-SW-14 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05661 SW-H-0610 SW-4060		1-ISI-SW-14 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05662 SW-H-0612 SW-4060	ISI / VT	1-ISI-SW-14 Rigid Strut Hanger	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.30A 3	H-05663 SW-H-0613 SW-4060		1-ISI-SW-14 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05669 SW-H-0621 SW-4060		1-ISI-SW-15 Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05671 SW-H-0625 SW-4060		1-ISI-SW-15 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05672 SW-H-0626 SW-4060		1-ISI-SW-15 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05673 SW-H-0627 SW-4060		1-ISI-SW-15 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05674 SW-H-0628 SW-4060		1-ISI-SW-15 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05675 SW-H-0630 SW-4060		1-ISI-SW-15 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05676 SW-H-0631 SW-4060		1-ISI-SW-15 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05682 SW-H-0912 SW-4060		1-ISI-SW-40 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
F-A F1.30A 3	H-05700 SW-H-1231 SW-4060		1-ISI-SW-43 S02 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05701 SW-H-1232 SW-4060		1-ISI-SW-43 S02 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05705 SW-H-1237 SW-4060		1-ISI-SW-1 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05706 SW-H-1238 SW-4060		1-ISI-SW-1 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05708 SW-H-1240 SW-4060		1-ISI-SW-1 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05709 SW-H-1241 SW-4060		1-ISI-SW-1 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05714 SW-H-1244 SW-4060		1-ISI-SW-43 S02 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05715 SW-H-1245 SW-4060		1-ISI-SW-43 S02 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05717 SW-H-1248 SW-4060		1-ISI-SW-43 S02 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05718 SW-H-1249 SW-4060		1-ISI-SW-43 S02 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05720 SW-H-1252 SW-4060		1-ISI-SW-43 S02 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05721 SW-H-1253 SW-4060		1-ISI-SW-43 S02 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05722 SW-H-1254 SW-4060		1-ISI-SW-43 S02 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
F-A F1.30A 3	H-05723 SW-H-1255 SW-4060		1-ISI-SW-43 S02 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05724 SW-H-1256 SW-4060		1-ISI-SW-43 S02 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05725 SW-H-1257 SW-4060		1-ISI-SW-43 S02 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05739 SW-H-1290 SW-4060		1-ISI-SW-57 Welded Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05741 SW-H-1291 SW-4060		1-ISI-SW-57 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05742 SW-H-1292 SW-4060		1-ISI-SW-57 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05743 SW-H-1294 SW-4060		1-ISI-SW-57 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05744 SW-H-1295 SW-4060		1-ISI-SW-57 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05745 SW-H-1296 SW-4060		1-ISI-SW-57 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05746 SW-H-1297 SW-4060	ISI / VT	1-ISI-SW-57 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.30A 3	H-05747 SW-H-1298 SW-4060		1-ISI-SW-57 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05748 SW-H-1299 SW-4060		1-ISI-SW-57 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05749 SW-H-1300 SW-4060		1-ISI-SW-57 Welded Dual Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
F-A F1.30A 3	H-05751 SW-H-1301 SW-4060		1-ISI-SW-57 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05752 SW-H-1302 SW-4060		1-ISI-SW-72 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05753 SW-H-1303 SW-4060		1-ISI-SW-72 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05754 SW-H-1304 SW-4060		1-ISI-SW-72 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05756 SW-H-1306 SW-4060		1-ISI-SW-72 Welded Dual Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05758 SW-H-1307 SW-4060		1-ISI-SW-72 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05762 SW-H-1325 SW-4060		1-ISI-SW-40 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05769 SW-H-1343 SW-4060		1-ISI-SW-9 Welded Dual Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05779 SW-H-1363 SW-4060		1-ISI-SW-4 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05780 SW-H-1396 SW-4060		1-ISI-SW-42 Open Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05781 SW-H-1397 SW-4060		1-ISI-SW-42 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05788 SW-H-1421 SW-4060		1-ISI-SW-11 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05789 SW-H-1422 SW-4060		1-ISI-SW-11 Welded Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



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				1	2	3	
F-A	H-05796		1-ISI-SW-51	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	SW-H-1457		Rigid Strut Hanger				
3	SW-4060						
F-A	H-05798		1-ISI-SW-51	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	SW-H-1460		Snubber				
3	SW-4060						
F-A	H-05801		1-ISI-SW-62	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	SW-H-1503		Rigid Strut Hanger				
3	SW-4060						
F-A	H-05803	ISI / VT	1-ISI-SW-62	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F1.30A	SW-H-1507		Horizontal Rigid Strut Restraint				
3	SW-4060						
F-A	H-05804		1-ISI-SW-62	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	SW-H-1508		Horizontal Rigid Strut Restraint				
3	SW-4060						
F-A	H-05805		1-ISI-SW-8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	SW-H-1534		Horizontal Rigid Strut Restraint				
3	SW-4060						
F-A	H-05806		1-ISI-SW-8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	SW-H-1535		Rigid Strut Hanger				
3	SW-4060						
F-A	H-05807		1-ISI-SW-8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	SW-H-1536		Horizontal Rigid Strut Restraint				
3	SW-4060						
F-A	H-05809		1-ISI-SW-8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	SW-H-1539		Horizontal Rigid Strut Restraint				
3	SW-4060						
F-A	H-05810		1-ISI-SW-8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	SW-H-1540		Horizontal Rigid Strut Restraint				
3	SW-4060						
F-A	H-05811		1-ISI-SW-63	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	SW-H-1567		Horizontal Rigid Strut Restraint				
3	SW-4060						
F-A	H-05812		1-ISI-SW-63	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	SW-H-1568		Horizontal Rigid Strut Restraint				
3	SW-4060						
F-A	H-05814		1-ISI-SW-63	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	SW-H-1572		Rigid Strut Hanger				
3	SW-4060						

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				1	2	3	
F-A F1.30A 3	H-05815 SW-H-1573 SW-4060	ISI / VT	1-ISI-SW-63 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F-A F1.30A 3	H-05816 SW-H-1574 SW-4060		1-ISI-SW-63 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05817 SW-H-1575 SW-4060		1-ISI-SW-63 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05818 SW-H-1576 SW-4060		1-ISI-SW-63 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05819 SW-H-1577 SW-4060		1-ISI-SW-63 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05820 SW-H-1578 SW-4060		1-ISI-SW-63 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05821 SW-H-1579 SW-4060		1-ISI-SW-63 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05822 SW-H-1580 SW-4060		1-ISI-SW-57 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05823 SW-H-1581 SW-4060		1-ISI-SW-57 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05824 SW-H-1600 SW-4060		1-ISI-SW-5 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05828 SW-H-1606 SW-4060	ISI / VT	1-ISI-SW-5 Closed Box Restraint	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05829 SW-H-1607 SW-4060	ISI / VT	1-ISI-SW-5 Closed Box Restraint	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05831 SW-H-1676 SW-4060		1-ISI-SW-11 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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F-A F1.30A 3	H-05832 SW-H-1677 SW-4060		1-ISI-SW-11 Welded Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05834 SW-H-1713 SW-4060		1-ISI-SW-16 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05835 SW-H-1719 SW-4060		1-ISI-SW-12 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05836 SW-H-1736 SW-4060		1-ISI-SW-17 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05837 SW-H-1737 SW-4060		1-ISI-SW-17 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05838 SW-H-1738 SW-4060		1-ISI-SW-17 Welded Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05842 SW-H-1740 SW-4060		1-ISI-SW-17 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05843 SW-H-1742 SW-4060		1-ISI-SW-17 Welded Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05845 SW-H-1825 SW-4060		1-ISI-SW-10 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05846 SW-H-1826 SW-4060		1-ISI-SW-14 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05847 SW-H-1828 SW-4060		1-ISI-SW-15 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05848 SW-H-1830 SW-4060		1-ISI-SW-13 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05849 SW-H-1870 SW-4060		1-ISI-SW-30 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
F-A F1.30A 3	H-05850 SW-H-1871 SW-4060	ISI / VT	1-ISI-SW-30 Welded Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	
F-A F1.30A 3	H-05854 SW-H-2076 SW-4060		1-ISI-SW-8 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05857 SW-H-2081 SW-4060		1-ISI-SW-44 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05858 SW-H-2097 SW-4060	ISI / VT	1-ISI-SW-63 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	
F-A F1.30A 3	H-05861 SW-H-2101 SW-4060		1-ISI-SW-63 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05862 SW-H-2102 SW-4060		1-ISI-SW-63 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05863 SW-H-2103 SW-4060		1-ISI-SW-63 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05864 SW-H-2104 SW-4060		1-ISI-SW-63 Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05865 SW-H-2105 SW-4060		1-ISI-SW-63 Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05866 SW-H-2106 SW-4060		1-ISI-SW-63 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05867 SW-H-2107 SW-4060		1-ISI-SW-63 Welded Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05869 SW-H-2108 SW-4060		1-ISI-SW-63 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05872 SW-H-2115 SW-4060		1-ISI-SW-63 Rigid Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
F-A F1.30A 3	H-05873 SW-H-2117 SW-4060	ISI / VT	1-ISI-SW-82 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	
F-A F1.30A 3	H-05874 SW-H-2118 SW-4060		1-ISI-SW-82 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05875 SW-H-2119 SW-4060		1-ISI-SW-82 Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05876 SW-H-2120 SW-4060		1-ISI-SW-82 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05877 SW-H-2121 SW-4060		1-ISI-SW-82 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05878 SW-H-2122 SW-4060		1-ISI-SW-82 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05879 SW-H-2123 SW-4060		1-ISI-SW-82 Welded Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05881 SW-H-2124 SW-4060		1-ISI-SW-82 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05884 SW-H-2131 SW-4060		1-ISI-SW-82 Welded Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05886 SW-H-2132 SW-4060		1-ISI-SW-82 Welded Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05888 SW-H-2135 SW-4060		1-ISI-SW-82 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05889 SW-H-2136 SW-4060	ISI / VT	1-ISI-SW-82 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	
F-A F1.30A 3	H-05890 SW-H-2137 SW-4065		1-ISI-SW-82 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
F-A F1.30A 3	H-05891 SW-H-2138 SW-4060		1-ISI-SW-51 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05892 SW-H-2142 SW-4060		1-ISI-SW-51 Dual Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05893 SW-H-2143 SW-4060		1-ISI-SW-51 Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05894 SW-H-2144 SW-4060	ISI / VT	1-ISI-SW-51 Welded Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
F-A F1.30A 3	H-05897 SW-H-2177 SW-4060		1-ISI-SW-4 Welded Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05899 SW-H-2230 SW-4060		1-ISI-SW-31 Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05901 SW-H-2295 SW-4060		1-ISI-SW-16 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05902 SW-H-2296 SW-4060		1-ISI-SW-16 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05905 SW-H-2299 SW-4060		1-ISI-SW-16 Dual Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05908 SW-H-2306 SW-4060		1-ISI-SW-44 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05909 SW-H-2334 SW-4060		1-ISI-SW-51 Welded Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05913 SW-H-2339 SW-4060		1-ISI-SW-48 Dual Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05915 SW-H-2353 SW-4060		1-ISI-SW-62 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
F-A	H-05916		1-ISI-SW-62	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	SW-H-2354		Rigid Strut Support				
3	SW-4060						
F-A	H-05917		1-ISI-SW-62	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	SW-H-2356		Rigid Strut Support				
3	SW-4060						
F-A	H-05918		1-ISI-SW-62	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	SW-H-2357		Horizontal Rigid Strut Restraint				
3	SW-4060						
F-A	H-05919		1-ISI-SW-62	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	SW-H-2358		Rigid Strut Support				
3	SW-4060						
F-A	H-05920	ISI / VT	1-ISI-SW-62	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
F1.30A	SW-H-2359		Rigid Strut Support				
3	SW-4060						
F-A	H-05921		1-ISI-SW-62	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	SW-H-2360		Rigid Strut Hanger				
3	SW-4060						
F-A	H-05922		1-ISI-SW-62	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	SW-H-2361		Horizontal Rigid Strut Restraint				
3	SW-4060						
F-A	H-05923	ISI / VT	1-ISI-SW-37	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
F1.30A	SW-H-2539		Horizontal Rigid Strut Restraint				
3	SW-4060						
F-A	H-05924		1-ISI-SW-37	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	SW-H-2540		Dual Rigid Strut Hanger				
3	SW-4060						
F-A	H-05925		1-ISI-SW-31	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	SW-H-2580		Horizontal Rigid Strut Restraint				
3	SW-4060						
F-A	H-05926		1-ISI-SW-8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	SW-H-2593		Rigid Strut Hanger				
3	SW-4060						
F-A	H-05927		1-ISI-SW-8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	SW-H-2594		Horizontal Rigid Strut Restraint				
3	SW-4060						
F-A	H-05928		1-ISI-SW-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	SW-H-2595		Rigid Strut Hanger				
3	SW-4060						

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				1	2	3	
F-A F1.30A 3	H-05929 SW-H-2596 SW-4060		1-ISI-SW-30 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05930 SW-H-2598 SW-4060	ISI / VT	1-ISI-SW-31 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	
F-A F1.30A 3	H-05931 SW-H-2648 SW-4060		1-ISI-SW-57 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05937 SW-H-2672 SW-4060		1-ISI-SW-30 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05938 SW-H-2673 SW-4060		1-ISI-SW-30 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05939 SW-H-2679 SW-4060		1-ISI-SW-31 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05940 SW-H-2680 SW-4060		1-ISI-SW-31 Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05941 SW-H-2681 SW-4060		1-ISI-SW-31 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05942 SW-H-2682 SW-4060		1-ISI-SW-31 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05943 SW-H-2683 SW-4060		1-ISI-SW-31 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05944 SW-H-2684 SW-4060		1-ISI-SW-31 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05945 SW-H-2685 SW-4060		1-ISI-SW-31 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-05946 SW-H-2686 SW-4060	ISI / VT	1-ISI-SW-31 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	<input type="checkbox"/>	



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				1	2	3	
F-A	H-05947		1-ISI-SW-42	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	SW-H-2749		Welded Dual Horizontal Rigid Strut				
3	SW-4060						
F-A	H-05949		1-ISI-SW-42	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	SW-H-2750		Horizontal Rigid Strut Restraint				
3	SW-4060						
F-A	H-05954		1-ISI-SW-51	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	SW-H-2806		Horizontal Rigid Strut Restraint				
3	SW-4060						
F-A	H-05955		1-ISI-SW-51	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	SW-H-2807		Rigid Strut Support				
3	SW-4060						
F-A	H-05958		1-ISI-SW-118	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	SW-H-2896		Rigid Strut Hanger				
3	SW-4060						
F-A	H-05959		1-ISI-SW-118	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	SW-H-2897		Horizontal Rigid Strut Restraint				
3	SW-4060						
F-A	H-05960		1-ISI-SW-118	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	SW-H-2898		Dual Horizontal Rigid Strut				
3	SW-4065						
F-A	H-05964	ISI / VT	1-ISI-SW-82	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
F1.30A	SW-H-3227		Rigid Strut Support				
3	SW-4060						
F-A	H-05965		1-ISI-SW-4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	SW-H-3230		Horizontal Rigid Strut Restraint				
3	SW-4060						
F-A	H-05966		1-ISI-SW-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	SW-H-3241		Rigid Strut Hanger				
3	SW-4060						
F-A	H-05967		1-ISI-SW-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	SW-H-3242		Rigid Strut Hanger				
3	SW-4060						
F-A	H-05968		1-ISI-SW-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	SW-H-3243		Rigid Strut Hanger				
3	SW-4060						
F-A	H-05969		1-ISI-SW-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	SW-H-3244		Dual Horizontal Rigid Strut				
3	SW-4060						

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				1	2	3	
F-A	H-05970		1-ISI-SW-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	SW-H-3245		Rigid Strut Hanger				
3	SW-4060						
F-A	H-05971		1-ISI-SW-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	SW-H-3246		Dual Horizontal Rigid Strut				
3	SW-4060						
F-A	H-05972		1-ISI-SW-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	SW-H-3247		Rigid Strut Hanger				
3	SW-4060						
F-A	H-05973		1-ISI-SW-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	SW-H-3248		Dual Horizontal Rigid Strut				
3	SW-4060						
F-A	H-05976		1-ISI-SW-40	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	SW-H-4147		Horizontal Rigid Strut Restraint				
3	SW-4060						
F-A	H-10444		1-ISI-CC-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-1743		Rigid Strut Restraint				
3	CC-4080						
F-A	H-10445		1-ISI-CC-12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-0501		Rigid Strut Restraint				
3	CC-4080						
F-A	H-10451		1-ISI-MS-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	MS-H-0411		Rigid Strut Restraint				
3	MS-3020						
F-A	H-10452		1-ISI-MS-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	MS-H-0412		Rigid Strut Restraint				
3	MS-3020						
F-A	H-10453		1-ISI-MS-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	MS-H-0413		Rigid Strut Restraint				
3	MS-3020						
F-A	H-10454		1-ISI-MS-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	MS-H-0416		Rigid Strut Restraint				
3	MS-3020						
F-A	H-10455		1-ISI-MS-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	MS-H-0417		Rigid Strut Restraint				
3	MS-3020						
F-A	H-10466		1-ISI-CC-68 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-2258		Rigid Strut Restraint				
3	CC-4080						

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				1	2	3	
F-A F1.30A 3	H-10467 CC-H-2244 CC-4080		1-ISI-CC-68 S01 Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-10471 CC-H-2245 CC-4080		1-ISI-CC-68 S02 Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-10472 CC-H-2218 CC-4080		1-ISI-CC-68 S02 Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-10475 CC-H-2269 CC-4080		1-ISI-CC-68 S02 Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-10477 CC-H-1359 CC-4080		1-ISI-CC-68 S02 Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-10478 CC-H-2256 CC-4080		1-ISI-CC-68 S02 Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-10484 CC-H-2252 CC-4080		1-ISI-CC-68 S03 Rigid Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-10485 CC-H-2251 CC-4080		1-ISI-CC-68 S03 Rigid Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-10487 CC-H-1372 CC-4080		1-ISI-CC-67 Rigid Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-10488 CC-H-1371 CC-4080		1-ISI-CC-67 Rigid Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-10489 CC-H-1376 CC-4080		1-ISI-CC-67 U-Bolt Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-10490 CC-H-2234 CC-4080		1-ISI-CC-67 Rigid Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30A 3	H-10491 CC-H-1366 CC-4080		1-ISI-CC-67 Rigid Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
F-A	H-10492	ISI / VT	1-ISI-CC-67	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F1.30A	CC-H-2237		Rigid Restraint				
3	CC-4080						
F-A	H-10493		1-ISI-CC-67	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-2235		Rigid Restraint				
3	CC-4080						
F-A	H-10494		1-ISI-CC-67	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-2236		Rigid Restraint				
3	CC-4080						
F-A	H-10495		1-ISI-CC-67	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-2238		Rigid Restraint				
3	CC-4080						
F-A	H-10496		1-ISI-CC-67	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-2257		Rigid Restraint				
3	CC-4080						
F-A	H-10546		1-ISI-CC-14	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-0910		Horizontal Rigid Strut Restraint				
3	CC-4080						
F-A	H-10547		1-ISI-CC-14	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CC-H-0919		Horizontal Rigid Strut Restraint				
3	CC-4080						
F-A	H-10549		1-ISI-CH-37	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30A	CH-H-1783		U-Bolt Restraint				
3	CH-4085						
F-A	H-00084	ISI / VT	1-ISI-AF-2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
F1.30B	AF-H-0155		Box Restraint and Rigid Support				
3	AF-3065						
F-A	H-00152		1-ISI-AF-4 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	AF-H-0269		Closed Box Restraint				
3	AF-3065						
F-A	H-00282		1-ISI-CC-6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0095		Welded Closed Box Restraint				
3	CC-4080						
F-A	H-00287		1-ISI-CC-6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0102		Welded Closed Box Restraint				
3	CC-4080						
F-A	H-00289		1-ISI-CC-6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0105		Closed Box Restraint				
3	CC-4080						

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				1	2	3	
F-A	H-00290		1-ISI-CC-6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0107		Welded Closed Box Restraint				
3	CC-4080						
F-A	H-00293		1-ISI-CC-6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0114		Welded Anchor				
3	CC-4080						
F-A	H-00298		1-ISI-CC-2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0289		Welded Anchor				
3	CC-4080						
F-A	H-00300		1-ISI-CC-1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0290		Closed Box Restraint				
3	CC-4080						
F-A	H-00301		1-ISI-CC-1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0292		Welded Closed Box Restraint				
3	CC-4080						
F-A	H-00303		1-ISI-CC-1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0295		Closed Box Restraint				
3	CC-4080						
F-A	H-00304		1-ISI-CC-1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0297		Closed Box Restraint				
3	CC-4080						
F-A	H-00305		1-ISI-CC-1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0299		Closed Box Restraint				
3	CC-4080						
F-A	H-00306		1-ISI-CC-1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0301		Closed Box Restraint				
3	CC-4080						
F-A	H-00307	ISI / VT	1-ISI-CC-1	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.30B	CC-H-0304		Welded Closed Box Restraint				
3	CC-4080						
F-A	H-00309		1-ISI-CC-1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0306		Closed Box Restraint				
3	CC-4080						
F-A	H-00310		1-ISI-CC-1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0308		Closed Box Restraint				
3	CC-4080						
F-A	H-00312		1-ISI-CC-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0313		Welded Anchor				
3	CC-4080						

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
F-A	H-00323	ISI / VT	1-ISI-CC-10	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.30B	CC-H-0328		Closed Box Restraint				
3	CC-4080						
F-A	H-00324		1-ISI-CC-9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0330		Welded Anchor				
3	CC-4080						
F-A	H-00328		1-ISI-CC-2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0340		Closed Box Restraint				
3	CC-4080						
F-A	H-00330		1-ISI-CC-2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0342		Closed Box Restraint				
3	CC-4080						
F-A	H-00331		1-ISI-CC-2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0344		Closed Box Restraint				
3	CC-4080						
F-A	H-00332		1-ISI-CC-2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0346		Closed Box Restraint				
3	CC-4080						
F-A	H-00339	ISI / VT	1-ISI-CC-2	s	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0355		Welded Anchor				
3	CC-4080						
F-A	H-00341		1-ISI-CC-2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0359		Closed Box Restraint				
3	CC-4080						
F-A	H-00342		1-ISI-CC-2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0361		Closed Box Restraint				
3	CC-4080						
F-A	H-00343		1-ISI-CC-2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0363		Closed Box Restraint				
3	CC-4080						
F-A	H-00344		1-ISI-CC-2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0365		Closed Box Restraint				
3	CC-4080						
F-A	H-00345		1-ISI-CC-7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0367		Welded Anchor				
3	CC-4080						
F-A	H-00353		1-ISI-CC-2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0372		Closed Box Restraint				
3	CC-4080						

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				1	2	3	
F-A F1.30B 3	H-00362 CC-H-0381 CC-4080		1-ISI-CC-3 Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-00368 CC-H-0388 CC-4080		1-ISI-CC-3 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-00372 CC-H-0394 CC-4080		1-ISI-CC-4 Welded Anchor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-00374 CC-H-0397 CC-4080	ISI / VT	1-ISI-CC-4 Closed Box Restraint	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.30B 3	H-00375 CC-H-0399 CC-4080		1-ISI-CC-4 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-00376 CC-H-0402 CC-4080		1-ISI-CC-4 Welded Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-00381 CC-H-0407 CC-4080		1-ISI-CC-7 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-00382 CC-H-0409 CC-4080		1-ISI-CC-7 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-00386 CC-H-0414 CC-4080		1-ISI-CC-7 Welded Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-00388 CC-H-0416 CC-4080		1-ISI-CC-63 Welded Anchor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-00395 CC-H-0431 CC-4080		1-ISI-CC-8 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-00396 CC-H-0433 CC-4080		1-ISI-CC-8 Dual Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-00397 CC-H-0436 CC-4080		1-ISI-CC-8 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
F-A	H-00398		1-ISI-CC-9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0438		Welded Anchor				
3	CC-4080						
F-A	H-00400		1-ISI-CC-9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0439		Closed Box Restraint				
3	CC-4080						
F-A	H-00401		1-ISI-CC-9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0441		Closed Box Restraint				
3	CC-4080						
F-A	H-00406		1-ISI-CC-9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0446		Closed Box Restraint				
3	CC-4080						
F-A	H-00407		1-ISI-CC-9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0448		Closed Box Restraint				
3	CC-4080						
F-A	H-00408		1-ISI-CC-9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0450		Closed Box Restraint				
3	CC-4080						
F-A	H-00409		1-ISI-CC-9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0452		Closed Box Restraint				
3	CC-4080						
F-A	H-00410		1-ISI-CC-9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0454		Closed Box Restraint				
3	CC-4080						
F-A	H-00412		1-ISI-CC-9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0458		Welded Rigid Restraint				
3	CC-4080						
F-A	H-00419		1-ISI-CC-9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0467		Closed Box Restraint				
3	CC-4080						
F-A	H-00420		1-ISI-CC-9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0469		Closed Box Restraint				
3	CC-4080						
F-A	H-00421	ISI / VT	1-ISI-CC-9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
F1.30B	CC-H-0471		Closed Box Restraint				
3	CC-4080						
F-A	H-00422		1-ISI-CC-9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0473		Welded Anchor				
3	CC-4080						



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				1	2	3	
F-A	H-00426		1-ISI-CC-12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0477		Closed Box Restraint				
3	CC-4080						
F-A	H-00427		1-ISI-CC-12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0479		Closed Box Restraint				
3	CC-4080						
F-A	H-00428		1-ISI-CC-12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0481		Closed Box Restraint				
3	CC-4080						
F-A	H-00429	ISI / VT	1-ISI-CC-13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
F1.30B	CC-H-0483		Welded Anchor				
3	CC-4080						
F-A	H-00436		1-ISI-CC-12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0497		Closed Box Restraint				
3	CC-4080						
F-A	H-00452		1-ISI-CC-16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0536		Welded Anchor				
3	CC-4080						
F-A	H-00454		1-ISI-CC-16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0539		Closed Box Restraint				
3	CC-4080						
F-A	H-00455		1-ISI-CC-16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0541		Welded Anchor				
3	CC-4080						
F-A	H-00459		1-ISI-CC-16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0546		Welded Closed Box Restraint				
3	CC-4080						
F-A	H-00475	ISI / VT	1-ISI-CC-29	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
F1.30B	CC-H-0682		Welded Closed Box Restraint				
3	CC-4080						
F-A	H-00477		1-ISI-CC-29	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0684		Closed Box Restraint				
3	CC-4080						
F-A	H-00493		1-ISI-CC-11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0878		Dual Rigid Strut Hanger				
3	CC-4080						
F-A	H-00494		1-ISI-CC-11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CC-H-0880		Dual Rigid Strut Hanger				
3	CC-4080						

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				1	2	3	
F-A F1.30B 3	H-00498 CC-H-0889 CC-4080		1-ISI-CC-13 Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-00512 CC-H-0906 CC-4080		1-ISI-CC-14 Welded Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-00518 CC-H-0911 CC-4080	ISI / VT	1-ISI-CC-14 Welded Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	
F-A F1.30B 3	H-00560 CC-H-0952 CC-4080		1-ISI-CC-22 Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-00576 CC-H-1570 CC-4080		1-ISI-CC-3 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-00577 CC-H-1572 CC-4080		1-ISI-CC-3 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-00578 CC-H-1577 CC-4080		1-ISI-CC-15 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-00581 CC-H-1594 CC-4080		1-ISI-CC-21 Welded Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-00584 CC-H-1604 CC-4080		1-ISI-CC-13 Dual U-Bolt Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-00586 CC-H-1759 CC-4080		1-ISI-CC-64 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-00610 CC-H-1967 CC-4080		1-ISI-CC-14 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-00615 CC-H-1999 CC-4080	ISI / VT	1-ISI-CC-10 Welded Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	
F-A F1.30B 3	H-00625 CC-H-2207 CC-4080		1-ISI-CC-12 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
F-A	H-00657		1-ISI-CH-7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CH-H-0273		Closed Box Restraint				
3	CH-4085						
F-A	H-00659		1-ISI-CH-19	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CH-H-0279		Box Restraint				
3	CH-4085						
F-A	H-00660		1-ISI-CH-19	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CH-H-0281		Closed Box Restraint				
3	CH-4085						
F-A	H-00661	ISI / VT	1-ISI-CH-19	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.30B	CH-H-0284		Closed Box Restraint				
3	CH-4085						
F-A	H-00662		1-ISI-CH-7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CH-H-0335		Closed Box Restraint				
3	CH-4085						
F-A	H-00663		1-ISI-CH-7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CH-H-0339		Dual Rigid Strut Support				
3	CH-4085						
F-A	H-00664		1-ISI-CH-7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CH-H-0341		Closed Box Restraint				
3	CH-4085						
F-A	H-00665		1-ISI-CH-7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CH-H-0343		Closed Box Restraint				
3	CH-4085						
F-A	H-00666		1-ISI-CH-7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CH-H-0345		Closed Box Restraint				
3	CH-4085						
F-A	H-00676		1-ISI-CH-26	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CH-H-1463		Closed Welded Box Restraint				
3	CH-4085						
F-A	H-00677		1-ISI-CH-26	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CH-H-1465		Closed Box Restraint				
3	CH-4085						
F-A	H-00678	ISI / VT	1-ISI-CH-10	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.30B	CH-H-1467		Welded Anchor				
3	CH-4085						
F-A	H-00729		1-ISI-CH-49	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CH-H-1734		Welded Anchor				
3	CH-4085						

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				1	2	3	
F-A	H-00739		1-ISI-CH-24	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CH-H-1772		Closed Box Restraint				
3	CH-4085						
F-A	H-00740		1-ISI-CH-37	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CH-H-1776		Welded Closed Box Restraint				
3	CH-4085						
F-A	H-00939	ISI / VT	1-ISI-CX-10	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F1.30B	CX-H-0349		Closed Box Restraint				
3	CX-4085						
F-A	H-00941		1-ISI-CX-19	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CX-H-0355		Closed Box Restraint				
3	CX-4085						
F-A	H-00942		1-ISI-CX-19	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CX-H-0357		Closed Box Restraint				
3	CX-4085						
F-A	H-00944	ISI / VT	1-ISI-CX-47	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CX-H-0361		Welded Anchor				
3	CX-4085						
F-A	H-00946		1-ISI-CX-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CX-H-0463		Closed Box Restraint				
3	CX-4085						
F-A	H-00947		1-ISI-CX-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CX-H-0467		Dual Rigid Strut Support				
3	CX-4085						
F-A	H-00948		1-ISI-CX-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CX-H-0469		Closed Box Restraint				
3	CX-4085						
F-A	H-00949		1-ISI-CX-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CX-H-0471		Closed Box Restraint				
3	CX-4085						
F-A	H-00950		1-ISI-CX-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CX-H-0473		Closed Box Restraint				
3	CX-4085						
F-A	H-00983		1-ISI-CX-39	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CX-H-1524		Welded Dual Horizontal Rigid Strut				
3	CX-4085						
F-A	H-00992		1-ISI-CX-47	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CX-H-1542		Closed Box Restraint				
3	CX-4085						

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				1	2	3	
F-A	H-01018		1-ISI-CX-42	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CX-H-1741		Welded Anchor				
3	CX-4085						
F-A	H-01028		1-ISI-CX-65	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CX-H-1808		Welded Anchor				
3	CX-4085						
F-A	H-01038		1-ISI-CX-41	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	CX-H-1921		Welded Closed Box Restraint				
3	CX-4085						
F-A	H-04942	ISI / VT	1-ISI-MS-7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
F1.30B	MS-H-0172		Welded Dual Horizontal Rigid Strut				
3	MS-3020						
F-A	H-04950		1-ISI-MS-7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	MS-H-0182		Closed Box Restraint				
3	MS-3020						
F-A	H-04958		1-ISI-MS-8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	MS-H-0194		Closed Box Restraint				
3	MS-3020						
F-A	H-04985		1-ISI-MS-7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	MS-H-1398		Dual Rigid Strut Support				
3	MS-3020						
F-A	H-04986		1-ISI-MS-7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	MS-H-1400		Dual Rigid Strut Support				
3	MS-3020						
F-A	H-05460		1-ISI-SW-48	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0042		Welded Anchor				
3	SW-4060						
F-A	H-05466		1-ISI-SW-12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0054		Dual Rigid Strut Support				
3	SW-4060						
F-A	H-05467	ISI / VT	1-ISI-SW-12	<input type="checkbox"/>	<input type="checkbox"/> s	<input type="checkbox"/>	
F1.30B	SW-H-0056		Welded Closed Box Restraint				
3	SW-4060						
F-A	H-05478	ISI / VT	1-ISI-SW-13	<input type="checkbox"/>	<input type="checkbox"/> s	<input type="checkbox"/>	
F1.30B	SW-H-0068		Dual Rigid Strut Support				
3	SW-4060						
F-A	H-05479	ISI / VT	1-ISI-SW-13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
F1.30B	SW-H-0070		Welded Closed Box Restraint				
3	SW-4060						

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
F-A	H-05482		1-ISI-SW-13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0073		Welded Closed Box Restraint				
3	SW-4060						
F-A	H-05489		1-ISI-SW-16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0102		Welded Closed Box Restraint				
3	SW-4060						
F-A	H-05491		1-ISI-SW-16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0104		Dual Rigid Strut Support				
3	SW-4060						
F-A	H-05492	ISI / VT	1-ISI-SW-16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
F1.30B	SW-H-0106		Welded Closed Box Restraint				
3	SW-4060						
F-A	H-05496		1-ISI-SW-16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0111		Welded Closed Box Restraint				
3	SW-4060						
F-A	H-05503		1-ISI-SW-110	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0265		Closed Box Restraint				
3	SW-4060						
F-A	H-05504		1-ISI-SW-110	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0266		Closed Box Restraint				
3	SW-4060						
F-A	H-05505		1-ISI-SW-110	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0267		Closed Box Restraint				
3	SW-4060						
F-A	H-05506		1-ISI-SW-110	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0268		Closed Box Restraint				
3	SW-4060						
F-A	H-05507		1-ISI-SW-110	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0269		Closed Box Restraint				
3	SW-4060						
F-A	H-05508		1-ISI-SW-110	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0270		Closed Box Restraint				
3	SW-4060						
F-A	H-05509		1-ISI-SW-110	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0271		Closed Box Restraint				
3	SW-4060						
F-A	H-05510		1-ISI-SW-110	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0272		Closed Box Restraint				
3	SW-4060						

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
F-A F1.30B 3	H-05511 SW-H-0273 SW-4060		1-ISI-SW-110 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05512 SW-H-0274 SW-4060		1-ISI-SW-110 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05513 SW-H-0275 SW-4060		1-ISI-SW-110 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05514 SW-H-0276 SW-4060		1-ISI-SW-110 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05515 SW-H-0277 SW-4060		1-ISI-SW-110 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05516 SW-H-0278 SW-4060		1-ISI-SW-110 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05517 SW-H-0279 SW-4060	ISI / VT	1-ISI-SW-110 Closed Box Restraint	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.30B 3	H-05518 SW-H-0280 SW-4060		1-ISI-SW-110 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05519 SW-H-0281 SW-4060		1-ISI-SW-110 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05520 SW-H-0282 SW-4060		1-ISI-SW-110 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05521 SW-H-0283 SW-4060		1-ISI-SW-110 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05522 SW-H-0284 SW-4060		1-ISI-SW-110 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05523 SW-H-0285 SW-4060		1-ISI-SW-110 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
F-A	H-05524		1-ISI-SW-110	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0286		Closed Box Restraint				
3	SW-4060						
F-A	H-05525		1-ISI-SW-110	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0287		Closed Box Restraint				
3	SW-4060						
F-A	H-05526		1-ISI-SW-110	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0288		Closed Box Restraint				
3	SW-4060						
F-A	H-05527	ISI / VT	1-ISI-SW-110	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
F1.30B	SW-H-0289		Closed Box Restraint				
3	SW-4060						
F-A	H-05528		1-ISI-SW-110	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0290		Closed Box Restraint				
3	SW-4060						
F-A	H-05529		1-ISI-SW-110	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0291		Closed Box Restraint				
3	SW-4060						
F-A	H-05530		1-ISI-SW-110	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0292		Closed Box Restraint				
3	SW-4060						
F-A	H-05531		1-ISI-SW-110	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0293		Closed Box Restraint				
3	SW-4060						
F-A	H-05532		1-ISI-SW-110	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0294		Closed Box Restraint				
3	SW-4060						
F-A	H-05533		1-ISI-SW-110	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0295		Closed Box Restraint				
3	SW-4060						
F-A	H-05534		1-ISI-SW-110	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0296		Closed Box Restraint				
3	SW-4060						
F-A	H-05535		1-ISI-SW-110	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0297		Closed Box Restraint				
3	SW-4060						
F-A	H-05536		1-ISI-SW-110	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0298		Closed Box Restraint				
3	SW-4060						



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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
F-A	H-05537	ISI / VT	1-ISI-SW-110	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F1.30B	SW-H-0299		Closed Box Restraint				
3	SW-4060						
F-A	H-05538		1-ISI-SW-110	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0300		Closed Box Restraint				
3	SW-4060						
F-A	H-05540		1-ISI-SW-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0398		Closed Box Restraint				
3	SW-4060						
F-A	H-05541		1-ISI-SW-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0400		Closed Box Restraint				
3	SW-4060						
F-A	H-05542		1-ISI-SW-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0402		Closed Box Restraint				
3	SW-4060						
F-A	H-05543		1-ISI-SW-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0404		Closed Box Restraint				
3	SW-4060						
F-A	H-05544		1-ISI-SW-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0406		Closed Box Restraint				
3	SW-4060						
F-A	H-05545		1-ISI-SW-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0408		Closed Box Restraint				
3	SW-4060						
F-A	H-05546		1-ISI-SW-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0410		Closed Box Restraint				
3	SW-4060						
F-A	H-05547		1-ISI-SW-4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0412		Closed Box Restraint				
3	SW-4060						
F-A	H-05548		1-ISI-SW-4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0417		Closed Box Restraint				
3	SW-4060						
F-A	H-05551	ISI / VT	1-ISI-SW-4	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F1.30B	SW-H-0420		U-Bolt Restraint				
3	SW-4060						
F-A	H-05557		1-ISI-SW-112	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0428		Dual Rigid Strut Support				
3	SW-4060						

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
F-A F1.30B 3	H-05558 SW-H-0429 SW-4060		1-ISI-SW-112 Dual Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05559 SW-H-0430 SW-4060		1-ISI-SW-112 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05562 SW-H-0434 SW-4060		1-ISI-SW-43 S01 Dual Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05563 SW-H-0435 SW-4060		1-ISI-SW-43 S01 Rigid Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05564 SW-H-0436 SW-4060		1-ISI-SW-43 S01 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05565 SW-H-0440 SW-4060		1-ISI-SW-43 S01 Welded Anchor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05570 SW-H-0444 SW-4060		1-ISI-SW-43 S01 Dual Rigid Strut Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05574 SW-H-0449 SW-4060	ISI / VT	1-ISI-SW-1 Welded Closed Box Restraint	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05576 SW-H-0452 SW-4060		1-ISI-SW-1 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05579 SW-H-0456 SW-4060		1-ISI-SW-1 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05582 SW-H-0460 SW-4060		1-ISI-SW-1 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05585 SW-H-0464 SW-4060		1-ISI-SW-1 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05588 SW-H-0468 SW-4060		1-ISI-SW-1 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
F-A	H-05589		1-ISI-SW-2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0471		Closed Box Restraint				
3	SW-4060						
F-A	H-05590		1-ISI-SW-2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0473		Closed Box Restraint				
3	SW-4060						
F-A	H-05591		1-ISI-SW-2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0475		Closed Box Restraint				
3	SW-4060						
F-A	H-05592		1-ISI-SW-2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0477		Closed Box Restraint				
3	SW-4060						
F-A	H-05593		1-ISI-SW-2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0479		Closed Box Restraint				
3	SW-4060						
F-A	H-05594		1-ISI-SW-2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0481		Closed Box Restraint				
3	SW-4060						
F-A	H-05596		1-ISI-SW-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0484		Closed Box Restraint				
3	SW-4060						
F-A	H-05597		1-ISI-SW-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0487		Closed Box Restraint				
3	SW-4060						
F-A	H-05598		1-ISI-SW-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0489		Open Box Restraint				
3	SW-4060						
F-A	H-05599		1-ISI-SW-44	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0492		Welded Anchor				
3	SW-4060						
F-A	H-05601		1-ISI-SW-44	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0493		Welded Anchor				
3	SW-4060						
F-A	H-05606		1-ISI-SW-44	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0498		Closed Box Restraint				
3	SW-4060						
F-A	H-05607		1-ISI-SW-44	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0500		Horizontal Rigid Strut Restraint				
3	SW-4060						

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
F-A	H-05631		1-ISI-SW-5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0523		Closed Box Restraint				
3	SW-4060						
F-A	H-05647		1-ISI-SW-9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0545		Closed Box Restraint				
3	SW-4060						
F-A	H-05648	ISI / VT	1-ISI-SW-9	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.30B	SW-H-0547		Closed Box Restraint				
3	SW-4060						
F-A	H-05649		1-ISI-SW-9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0549		Dual Horizontal Rigid Strut W/Box Restraint				
3	SW-4060						
F-A	H-05650		1-ISI-SW-9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0551		Closed Box Restraint				
3	SW-4060						
F-A	H-05651		1-ISI-SW-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0552		Closed Box Restraint				
3	SW-4060						
F-A	H-05652		1-ISI-SW-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0554		Closed Box Restraint				
3	SW-4060						
F-A	H-05653		1-ISI-SW-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0556		Closed Box Restraint				
3	SW-4060						
F-A	H-05654		1-ISI-SW-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0558		Welded Anchor				
3	SW-4060						
F-A	H-05656		1-ISI-SW-31	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0561		Closed Box Restraint				
3	SW-4060						
F-A	H-05657		1-ISI-SW-31	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0563		Closed Box Restraint				
3	SW-4060						
F-A	H-05658		1-ISI-SW-31	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-0565		Closed Box Restraint				
3	SW-4060						

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
F-A F1.30B 3	H-05664 SW-H-0614 SW-4060	ISI / VT	1-ISI-SW-14 Closed Box Restraint	<input type="checkbox"/>	s <input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05665 SW-H-0616 SW-4060		1-ISI-SW-14 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05666 SW-H-0618 SW-4060		1-ISI-SW-15 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05667 SW-H-0620 SW-4060		1-ISI-SW-15 Welded Dual Horizontal Rigid Strut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05670 SW-H-0623 SW-4060		1-ISI-SW-15 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05677 SW-H-0798 SW-4060		1-ISI-SW-112 Welded Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05679 SW-H-0801 SW-4065		1-ISI-SW-110 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05680 SW-H-0803 SW-4060		1-ISI-SW-110 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05681 SW-H-0910 SW-4060		1-ISI-SW-40 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05683 SW-H-0913 SW-4060		1-ISI-SW-30 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05684 SW-H-0915 SW-4060	ISI / VT	1-ISI-SW-30 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	s <input type="checkbox"/>	
F-A F1.30B 3	H-05685 SW-H-0917 SW-4060		1-ISI-SW-30 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05686 SW-H-0919 SW-4060		1-ISI-SW-30 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
F-A F1.30B 3	H-05687 SW-H-0921 SW-4060		1-ISI-SW-30 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05688 SW-H-0923 SW-4060		1-ISI-SW-30 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05689 SW-H-0925 SW-4060		1-ISI-SW-30 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05690 SW-H-0964 SW-4060		1-ISI-SW-31 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05691 SW-H-0966 SW-4060		1-ISI-SW-31 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05692 SW-H-0968 SW-4060		1-ISI-SW-31 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05693 SW-H-0970 SW-4060		1-ISI-SW-31 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05694 SW-H-0972 SW-4060	ISI / VT	1-ISI-SW-31 Closed Box Restraint	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.30B 3	H-05695 SW-H-0974 SW-4060		1-ISI-SW-31 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05696 SW-H-0976 SW-4060		1-ISI-SW-31 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05702 SW-H-1233 SW-4060		1-ISI-SW-43 S02 Dual Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05703 SW-H-1236 SW-4060		1-ISI-SW-1 Welded Anchor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05707 SW-H-1239 SW-4060		1-ISI-SW-1 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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F-A F1.30B 3	H-05710 SW-H-1242 SW-4060		1-ISI-SW-1 Welded Anchor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05712 SW-H-1243 SW-4060		1-ISI-SW-43 S02 Welded Anchor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05716 SW-H-1246 SW-4060		1-ISI-SW-43 S02 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05719 SW-H-1250 SW-4060		1-ISI-SW-43 S02 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05737 SW-H-1289 SW-4060	ISI / VT	1-ISI-SW-57 Welded Anchor	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.30B 3	H-05755 SW-H-1305 SW-4060		1-ISI-SW-72 Horizontal Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05763 SW-H-1326 SW-4060		1-ISI-SW-40 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05764 SW-H-1327 SW-4060		1-ISI-SW-40 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05765 SW-H-1329 SW-4060		1-ISI-SW-40 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05766 SW-H-1331 SW-4060		1-ISI-SW-40 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05767 SW-H-1338 SW-4060		1-ISI-SW-40 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05768 SW-H-1340 SW-4060		1-ISI-SW-40 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05771 SW-H-1348 SW-4060		1-ISI-SW-40 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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F-A F1.30B 3	H-05772 SW-H-1350 SW-4060		1-ISI-SW-4 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05773 SW-H-1352 SW-4060	ISI / VT	1-ISI-SW-4 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	
F-A F1.30B 3	H-05774 SW-H-1354 SW-4060		1-ISI-SW-4 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05775 SW-H-1356 SW-4060		1-ISI-SW-4 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05776 SW-H-1358 SW-4060		1-ISI-SW-4 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05777 SW-H-1360 SW-4060		1-ISI-SW-4 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05778 SW-H-1362 SW-4060		1-ISI-SW-4 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05782 SW-H-1398 SW-4060		1-ISI-SW-42 Dual Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05783 SW-H-1400 SW-4060		1-ISI-SW-42 Dual Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05784 SW-H-1409 SW-4060	ISI / VT	1-ISI-SW-2 Closed Box Restraint	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	<input type="checkbox"/>	
F-A F1.30B 3	H-05785 SW-H-1411 SW-4065		1-ISI-SW-2 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05786 SW-H-1413 SW-4060		1-ISI-SW-2 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05787 SW-H-1415 SW-4060		1-ISI-SW-2 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



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				1	2	3	
F-A F1.30B 3	H-05791 SW-H-1447 SW-4060		1-ISI-SW-2 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05792 SW-H-1449 SW-4060		1-ISI-SW-2 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05793 SW-H-1451 SW-4060		1-ISI-SW-51 Welded Anchor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05797 SW-H-1458 SW-4060		1-ISI-SW-51 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05799 SW-H-1502 SW-4060		1-ISI-SW-62 Welded Anchor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05802 SW-H-1504 SW-4060		1-ISI-SW-62 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05808 SW-H-1537 SW-4060		1-ISI-SW-8 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05813 SW-H-1570 SW-4060		1-ISI-SW-63 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05825 SW-H-1601 SW-4060		1-ISI-SW-5 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05826 SW-H-1603 SW-4060		1-ISI-SW-5 Welded Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05840 SW-H-1739 SW-4060		1-ISI-SW-17 Welded Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05852 SW-H-1872 SW-4060		1-ISI-SW-63 Welded Anchor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-05855 SW-H-2080 SW-4060		1-ISI-SW-110 Welded Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
F-A	H-05859		1-ISI-SW-63	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-2100		Welded Closed Box Restraint				
3	SW-4060						
F-A	H-05870		1-ISI-SW-63	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-2109		Closed Box Restraint				
3	SW-4060						
F-A	H-05871		1-ISI-SW-63	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-2113		Closed Box Restraint				
3	SW-4060						
F-A	H-05883		1-ISI-SW-82	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-2129		Closed Box Restraint				
3	SW-4060						
F-A	H-05900	ISI / VT	1-ISI-SW-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
F1.30B	SW-H-2231		Closed Box Restraint				
3	SW-4060						
F-A	H-05903		1-ISI-SW-16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-2297		Welded Closed Box Restraint				
3	SW-4060						
F-A	H-05906		1-ISI-SW-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-2302		Welded Closed Box Restraint				
3	SW-4060						
F-A	H-05932		1-ISI-SW-57	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-2649		Closed Box Restraint				
3	SW-4060						
F-A	H-05933		1-ISI-SW-4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-2667		Welded Anchor				
3	SW-4060						
F-A	H-05935		1-ISI-SW-4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-2668		Closed Box Restraint				
3	SW-4060						
F-A	H-05961		1-ISI-SW-43 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-2911		Welded Closed Box Restraint				
3	SW-4060						
F-A	H-05963		1-ISI-SW-112	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-2920		Dual Rigid Strut W/Box Restraint				
3	SW-4060						
F-A	H-05974		1-ISI-SW-118	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30B	SW-H-3608		Closed Box Restraint				
3	SW-4060						

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				1	2	3	
F-A F1.30B 3	H-05975 SW-H-3975 SW-4060		1-ISI-SW-42 Dual Rigid Strut Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-09892 SW-H-2083 SW-4065		1-ISI-SW-44 U-Bolt Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-09901 CC-H-1836 CC-4080		1-ISI-CC-22 U-Bolt Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-09924 CH-H-1785 CH-4085		1-ISI-CH-37 U-Bolt Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-09926 CX-H-1544 CH-4085	ISI / VT	1-ISI-CX-47 Open Box Restraint	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.30B 3	H-09928 CX-H-1906 CH-4085		1-ISI-CX-40 Open Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-09930 CX-H-2402 CX-4085		1-ISI-CX-39 U-Bolt Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-09932 CX-H-2403 CX-4085		1-ISI-CX-39 U-Bolt Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-09934 CX-H-2404 CX-4085		1-ISI-CX-39 U-Bolt Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-09936 CX-H-2322 CH-4085		1-ISI-CX-48 Open Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-09938 CX-H-2324 CH-4085		1-ISI-CX-48 Open Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-10446 CC-H-1590 CC-4080		1-ISI-CC-21 2 Way Rigid Strut Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-10448 CX-H-1751 CX-4085		1-ISI-CX-27 U-Bolt Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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F-A F1.30B 3	H-10450 SW-H-2727 SW-4065		1-ISI-SW-15 U-Bolt Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-10456 MS-H-0418 MS-3020		1-ISI-MS-10 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-10457 MS-H-0420 MS-3020		1-ISI-MS-10 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-10464 MS-H-1393 MS-3020		1-ISI-MS-10 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-10468 CC-H-2243 CC-4080		1-ISI-CC-68 S01 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-10469 CC-H-2239 CC-4080		1-ISI-CC-68 S02 2 Way Rigid Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-10470 CC-H-2242 CC-4080		1-ISI-CC-68 S02 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-10473 CC-H-1363 CC-4080		1-ISI-CC-68 S02 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-10479 CC-H-2240 CC-4080		1-ISI-CC-68 S03 2 Way Rigid Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-10480 CC-H-2241 CC-4080		1-ISI-CC-68 S03 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-10481 CC-H-2255 CC-4080	ISI / VT	1-ISI-CC-68 S03 Closed Box Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
F-A F1.30B 3	H-10482 CC-H-2254 CC-4080		1-ISI-CC-68 S03 2 Way Rigid Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30B 3	H-10483 CC-H-2253 CC-4080		1-ISI-CC-68 S03 2 Way Rigid Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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F-A F1.30B 3	H-10548 CH-H-1781 CH-4085		1-ISI-CH-37 U-Bolt Restraint	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-00379 CC-H-0406 CC-4080	ISI / VT	1-ISI-CC-4 Welded Spring Support	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F-A F1.30C 3	H-00510 CC-H-0904 CC-4080	ISI / VT	1-ISI-CC-13 Spring Support	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-00511 CC-H-0905 CC-4080		1-ISI-CC-14 Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-00561 CC-H-1087 CC-4080		1-ISI-CC-49 Dual Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-04940 MS-H-0169 MS-3020	ISI / VT	1-ISI-MS-7 Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F-A F1.30C 3	H-04945 MS-H-0175 MS-3020	ISI / VT	1-ISI-MS-7 Spring Hanger	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-04987 MS-H-1402 MS-3020	ISI / VT	1-ISI-MS-8 Spring Support	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F-A F1.30C 3	H-04988 MS-H-1405 MS-3020		1-ISI-MS-8 Spring Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-04989 MS-H-1407 MS-3020		1-ISI-MS-8 Spring Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-05882 SW-H-2126 SW-4060	ISI / VT	1-ISI-SW-82 Spring Support	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-05896 SW-H-2145 SW-4060		1-ISI-SW-51 Spring Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-05912 SW-H-2336 SW-4060		1-ISI-SW-8 Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
F-A F1.30C 3	H-05914 SW-H-2350 SW-4060		1-ISI-SW-62 Dual Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-05936 SW-H-2671 SW-4060	ISI / VT	1-ISI-SW-5 Spring Hanger	<input type="checkbox"/>	s	<input type="checkbox"/>	
F-A F1.30C 3	H-05953 SW-H-2805 SW-4060		1-ISI-SW-57 Spring Hanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-05956 SW-H-2808 SW-4060		1-ISI-SW-51 Spring Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-05957 SW-H-2810 SW-4060		1-ISI-SW-62 Spring Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-07214 MS-H-0171 MS-3020		1-ISI-MS-7 Welded Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-07532 CC-H-0093 CC-4080		1-ISI-CC-6 Welded Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-07534 CC-H-0353 CC-4080		1-ISI-CC-2 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-07536 CC-H-0356 CC-4080		1-ISI-CC-2 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-07537 CC-H-0357 CC-4080		1-ISI-CC-2 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-07538 CC-H-0376 CC-4080	ISI / VT	1-ISI-CC-3 Welded Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	s	
F-A F1.30C 3	H-07540 CC-H-0391 CC-4080		1-ISI-CC-4 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-07541 CC-H-0401 CC-4080		1-ISI-CC-4 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
F-A F1.30C 3	H-07543 CC-H-0420 CC-4080		1-ISI-CC-8 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-07547 CC-H-0427 CC-4080		1-ISI-CC-8 Welded Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-07549 CC-H-0457 CC-4080		1-ISI-CC-9 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-07550 CC-H-0459 CC-4080		1-ISI-CC-9 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-07551 CC-H-0461 CC-4080		1-ISI-CC-9 Welded Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-07553 CC-H-0463 CC-4080		1-ISI-CC-9 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-07554 CC-H-0465 CC-4080		1-ISI-CC-9 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-07556 CC-H-0466 CC-4080		1-ISI-CC-9 Welded Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-07558 CC-H-0476 CC-4080		1-ISI-CC-12 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-07559 CC-H-0496 CC-4080		1-ISI-CC-12 Welded Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-07561 CC-H-0503 CC-4080		1-ISI-CC-12 Welded Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-07563 CC-H-0570 CC-4080	ISI / VT	1-ISI-CC-24 Welded Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
F-A F1.30C 3	H-07565 CC-H-0681 CC-4080		1-ISI-CC-29 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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F-A F1.30C 3	H-07566 CC-H-0882 CC-4080		1-ISI-CC-11 Welded Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-07568 CC-H-0916 CC-4080		1-ISI-CC-14 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-07569 CC-H-0918 CC-4080		1-ISI-CC-14 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-07570 CC-H-0950 CC-4080		1-ISI-CC-22 Welded Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-07572 CC-H-1443 CC-4080		1-ISI-CC-53 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-07573 CC-H-1444 CC-4080		1-ISI-CC-53 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-07574 CC-H-1584 CC-4080		1-ISI-CC-11 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-07575 CC-H-1668 CC-4080		1-ISI-CC-49 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-07576 CC-H-1733 CC-4080		1-ISI-CC-53 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-07577 CC-H-1838 CC-4080		1-ISI-CC-9 Welded Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-07581 CH-H-1739 CH-4085	ISI / VT	1-ISI-CH-49 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
F-A F1.30C 3	H-07603 MS-H-0167 MS-3020		1-ISI-MS-7 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-07605 MS-H-0170 MS-3020		1-ISI-MS-7 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



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F-A F1.30C 3	H-07608 MS-H-0173 MS-3020	ISI / VT	1-ISI-MS-7 Dual Snubber	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	<input type="checkbox"/>	
F-A F1.30C 3	H-07610 MS-H-0176 MS-3020		1-ISI-MS-7 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-07611 MS-H-0185 MS-3020		1-ISI-MS-8 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-07612 MS-H-0187 MS-3020		1-ISI-MS-8 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-07613 MS-H-0193 MS-3020		1-ISI-MS-8 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-07614 MS-H-0197 MS-3020		1-ISI-MS-8 Welded Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-07616 MS-H-0198 MS-3020		1-ISI-MS-8 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-07617 MS-H-0200 MS-3020		1-ISI-MS-8 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-07618 MS-H-0202 MS-3020		1-ISI-MS-8 Welded Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-07620 MS-H-0410 MS-3020		1-ISI-MS-10 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-07622 MS-H-0415 MS-3020		1-ISI-MS-10 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-07624 MS-H-1389 MS-3020		1-ISI-MS-10 Dual Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-07626 MS-H-1390 MS-3020		1-ISI-MS-10 Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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F-A	H-07627		1-ISI-MS-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30C	MS-H-1391		Snubber				
3	MS-3020						
F-A	H-07628		1-ISI-MS-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30C	MS-H-1392		Snubber				
3	MS-3020						
F-A	H-07629		1-ISI-MS-8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30C	MS-H-1403		Snubber				
3	MS-3020						
F-A	H-07630		1-ISI-MS-8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30C	MS-H-1406		Snubber				
3	MS-3020						
F-A	H-08000		1-ISI-SW-14	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30C	SW-H-0611		Dual Snubber				
3	SW-4060						
F-A	H-08002		1-ISI-SW-15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30C	SW-H-0629		Snubber				
3	SW-4060						
F-A	H-08004		1-ISI-SW-57	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30C	SW-H-1293		Snubber				
3	SW-4060						
F-A	H-08005		1-ISI-SW-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30C	SW-H-1824		Snubber				
3	SW-4060						
F-A	H-08006		1-ISI-SW-13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30C	SW-H-1831		Snubber				
3	SW-4060						
F-A	H-08017		1-ISI-SW-62	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30C	SW-H-2352		Snubber				
3	SW-4060						
F-A	H-08018		1-ISI-SW-62	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30C	SW-H-2355		Snubber				
3	SW-4060						
F-A	H-08019		1-ISI-SW-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30C	SW-H-2597		Snubber				
3	SW-4060						
F-A	H-10458		1-ISI-MS-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.30C	MS-H-0444		Spring Hanger				
3	MS-3020						

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F-A F1.30C 3	H-10459 MS-H-0445 MS-3020		1-ISI-MS-10 Spring Can	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-10460 MS-H-0522 MS-3020		1-ISI-MS-10 Spring Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-10462 MS-H-1387 MS-3020		1-ISI-MS-10 Spring Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-10463 MS-H-1388 MS-3020		1-ISI-MS-10 Dual Spring Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-10465 MS-H-1394 MS-3020		1-ISI-MS-10 Dual Spring Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.30C 3	H-10486 CC-H-1374 CC-4080		1-ISI-CC-67 Mech Shock Assembly	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.40 2	H-01352 II-BIT-01H-001 CS-2060	ISI / VT	1-ISI-BIT-2 Boron Injection Tank Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Examine 4 Support legs to tank.
F-A F1.40 3	H-01358 II-CCHX-1A-H-001 CC-4080	ISI / VT	1-ISI-CCHX-1 Component Cooling Water Heat Exchanger "A"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.40 3	H-01359 II-CCHX-1B-H-001 CC-4080		1-ISI-CCHX-1 Component Cooling Water Heat Exchanger "B"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.40 3	H-01360 II-CCP-01A-H-001 CC-4080		1-ISI-CCP-1 Component Cooling Water Heat Pump "A"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.40 3	H-01361 II-CCP-01B-H-001 CC-4080		1-ISI-CCP-1 Component Cooling Water Heat Pump "B"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.40 3	H-01362 II-CCP-01C-H-001 CC-4080	ISI / VT	1-ISI-CCP-1 Component Cooling Water Heat Pump "C"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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F-A	H-01857	ISI / VT	1-ISI-CSIP-2	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	<input type="checkbox"/>	Only required to examine one support (H-001 thru H-005 = one support) on one of multiple vessels.
F1.40 2	II-CSIP-1CSIPA-H-001 CS-2060		Charging/Safety Injection Pump "A" Support				
F-A	H-01862		1-ISI-CSIP-2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Only required to examine one support (H-001 thru H-005 = one support) on one of multiple vessels.
F1.40 2	II-CSIP-1CSIPB-H-001 CS-2060		Charging/Safety Injection Pump "B" Support				
F-A	H-01867		1-ISI-CSIP-2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Only required to examine one support (H-001 thru H-005 = one support) on one of multiple vessels.
F1.40 2	II-CSIP-1CSIPC-H-001 CS-2060		Charging/Safety Injection Pump "C" Support				
F-A	H-02402		1-ISI-CTP-2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Only required to examine one support (H-001 thru H-003 = one support) on one of multiple vessels.
F1.40 2	II-CTP-01CTPA-H-001 CT-2070		"A" Containment Spray Pump Support				
F-A	H-02406	ISI / VT	1-ISI-CTP-2	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	Only required to examine one support (H-001 thru H-003 = one support) on one of multiple vessels..
F1.40 2	II-CTP-01CTPB-H-001 CT-2070		"B" Containment Spray Pump Support				
F-A	H-02407		1-ISI-CWP4-1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.40 3	II-CWP4-1A-H-001 CH-4085		Chilled Water Pump "A" Support				
F-A	H-02408	ISI / VT	1-ISI-CWP4-1	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	<input type="checkbox"/>	
F1.40 3	II-CWP4-1B-H-001 CH-4085		Chilled Water Pump "B" Support				
F-A	H-02415		1-ISI-ESWP-1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.40 3	II-ESWP-1A-H-001 SW-4060		Emergency Service Water Pump "A" Support				
F-A	H-02416	ISI / VT	1-ISI-ESWP-1	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	<input type="checkbox"/>	
F1.40 3	II-ESWP-1B-H-001 SW-4060		Emergency Service Water Pump "B" Support				

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<b>F-A</b>	H-02417		1-ISI-ESWS-1 Emergency Service Water Pump "A" Strainer Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.40 3	II-ESWS-1A-H-001 SW-4060						
<b>F-A</b>	H-02418	ISI / VT	1-ISI-ESWS-1 Emergency Service Water Pump "B" Strainer Support	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.40 3	II-ESWS-1B-H-001 SW-4060						
<b>F-A</b>	H-02825	ISI / VT	1-ISI-LHX-1 Letdown Heat Exchanger	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.40 3	II-LHX-01H-001 CS-2060						
<b>F-A</b>	H-02971	ISI / VT	1-ISI-PZR-2 Pressurizer Support	s	<input type="checkbox"/>	<input type="checkbox"/>	Pressurizer Support Skirt, Anchor Bolting, and 4- Seismic Supports
F1.40 1	II-PZR-01H-001-032 RC-2005						
<b>F-A</b>	H-03182	ISI / VT	1-ISI-RCP-3 RCP "A" Support	s	<input type="checkbox"/>	<input type="checkbox"/>	Reactor Coolant Pump "A" Support Column and Tie Rod
F1.40 1	II-RCP-01RCPA-H-001 RC-2025						
<b>F-A</b>	H-03189		1-ISI-RCP-3 RCP "B" Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reactor Coolant Pump "B" Support Column and Tie Rod
F1.40 1	II-RCP-01RCPB-H-001 RC-2025						
<b>F-A</b>	H-03196		1-ISI-RCP-3 RCP "C" Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reactor Coolant Pump "C" Support Column and Tie Rod
F1.40 1	II-RCP-01RCPC-H-001 RC-2025						
<b>F-A</b>	H-03714	ISI / VT	1-ISI-RHR-2 RHR Heat Exchanger "A" Support	s	<input type="checkbox"/>	<input type="checkbox"/>	Residual Heat Removal Heat Exchanger A. Examine the support skirt shown on 1364-91,017, Detail M and 1364-91,018.
F1.40 2	II-RHR-01RHRA-H-001 RH-2085						
<b>F-A</b>	H-03722		1-ISI-RHR-2 RHR Heat Exchanger "B" Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Residual Heat Removal Heat Exchanger B. Examine the support skirt shown on 1364-91,017, Detail M and 1364-91,018.
F1.40 2	II-RHR-01RHRB-H-001 RH-2085						
<b>F-A</b>	H-03729	ISI / VT	1-ISI-RHRP-2 Residual Heat Removal Pump "A" Support	s	<input type="checkbox"/>	<input type="checkbox"/>	Only required to examine one support (H-001 thru H-003 = one support) on one of multiple vessels.
F1.40 2	II-RHRP-1RHRPA-H-001 RH-2085						

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F-A F1.40 2	H-03733 II-RHRP-1RHRPB-H-001 RH-2085		1-ISI-RHRP-2 Residual Heat Removal Pump "B" Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Only required to examine one support (H-001 thru H-003 = one support) on one of multiple vessels.
F-A F1.40 1	H-03738 II-RPV-01H-001 RC-2005	ISI / VT	1-ISI-RV-3 RPV Support	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	
F-A F1.40 1	H-03834 II-SG-001SGA-H-001 SG-3005		1-ISI-SG-1A Steam Generator "A" Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Steam Generator "A" Support Column
F-A F1.40 1	H-03835 II-SG-001SGA-H-002 SG-3005		1-ISI-SG-1A Steam Generator "A" Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Steam Generator "A" Support Column
F-A F1.40 1	H-03836 II-SG-001SGA-H-003 SG-3005		1-ISI-SG-1A Steam Generator "A" Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Steam Generator "A" Support Column
F-A F1.40 1	H-03837 II-SG-001SGA-H-004 SG-3005		1-ISI-SG-1A Steam Generator "A" Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Steam Generator "A" Support Column
F-A F1.40 2	H-03842 II-SG-001SGA-H-007 SG-3005		1-ISI-SG-1A Steam Generator "A" Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Steam Generator "A" Upper Lateral Restraint. Only required to examine H-007 and H-008 on one of the multiple vessels.
F-A F1.40 2	H-03843 II-SG-001SGA-H-008 SG-3005		1-ISI-SG-1A Steam Generator "A" Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Steam Generator "A" Upper Lateral Restraint. Only required to examine H-007 and H-008 on one of the multiple vessels.
F-A F1.40 1	H-03857 II-SG-001SGB-H-001 SG-3005	ISI / VT	1-ISI-SG-2A Steam Generator "B" Support	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	<input type="checkbox"/>	Steam Generator "B" Support Column
F-A F1.40 1	H-03858 II-SG-001SGB-H-002 SG-3005	ISI / VT	1-ISI-SG-2A Steam Generator "B" Support	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	<input type="checkbox"/>	Steam Generator "B" Support Column
F-A F1.40 1	H-03859 II-SG-001SGB-H-003 SG-3005	ISI / VT	1-ISI-SG-2A Steam Generator "B" Support	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	<input type="checkbox"/>	Steam Generator "B" Support Column

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F-A F1.40 1	H-03860 II-SG-001SGB-H-004 SG-3005	ISI / VT	1-ISI-SG-2A Steam Generator "B" Support	<input type="checkbox"/>	s	<input type="checkbox"/>	Steam Generator "B" Support Column
F-A F1.40 2	H-03865 II-SG-001SGB-H-007 SG-3005	ISI / VT	1-ISI-SG-2A Steam Generator "B" Support	<input type="checkbox"/>	<input type="checkbox"/>	s	Steam Generator "B" Upper Lateral Restraint. Only required to examine H-007 and H-008 on one of the multiple vessels.
F-A F1.40 2	H-03866 II-SG-001SGB-H-008 SG-3005	ISI / VT	1-ISI-SG-2A Steam Generator "B" Support	<input type="checkbox"/>	<input type="checkbox"/>	s	Steam Generator "B" Upper Lateral Restraint. Only required to examine H-007 and H-008 on one of the multiple vessels.
F-A F1.40 1	H-03880 II-SG-001SGC-H-001 SG-3005		1-ISI-SG-3A Steam Generator "C" Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Steam Generator "C" Support Column
F-A F1.40 1	H-03881 II-SG-001SGC-H-002 SG-3005		1-ISI-SG-3A Steam Generator "C" Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Steam Generator "C" Support Column
F-A F1.40 1	H-03882 II-SG-001SGC-H-003 SG-3005		1-ISI-SG-3A Steam Generator "C" Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Steam Generator "C" Support Column
F-A F1.40 1	H-03883 II-SG-001SGC-H-004 SG-3005		1-ISI-SG-3A Steam Generator "C" Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Steam Generator "C" Support Column
F-A F1.40 2	H-03888 II-SG-001SGC-H-007 SG-3005		1-ISI-SG-3A Steam Generator "C" Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Steam Generator "C" Upper Lateral Restraint. Only required to examine H-007 and H-008 on one of the multiple vessels.
F-A F1.40 2	H-03889 II-SG-001SGC-H-008 SG-3005		1-ISI-SG-3A Steam Generator "C" Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Steam Generator "C" Upper Lateral Restraint. Only required to examine H-007 and H-008 on one of the multiple vessels.
F-A F1.40 3	H-04900 II-SWBP-1A-H-001 SW-4060		1-ISI-SWBP-1 Service Water Booster Pump "A"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.40 3	H-04901 II-SWBP-1B-H-001 SW-4060	ISI / VT	1-ISI-SWBP-1 Service Water Booster Pump "B"	<input type="checkbox"/>	<input type="checkbox"/>	s	

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				1	2	3	
<b>F-A</b> F1.40 3	H-04902 II-SWHX-1H-001 CS-2060	ISI / VT	1-ISI-SWHX-1 Seal Water Heat Exchanger Support	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>F-A</b> F1.40 3	H-04906 II-WC2-01A-H-001 WC-4085		1-ISI-WC2-1 Water Chiller WC-2 "A" Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>F-A</b> F1.40 3	H-04907 II-WC2-01B-H-001 WC-4085	ISI / VT	1-ISI-WC2-1 Water Chiller WC-2 "B" Support	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>F-A</b> F1.40 2	H-07758 SG-H-0305B SG-3005		1-ISI-SG-2A "B" S/G Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Examine support from pin to building structure. Only required to examine one support ( 4 snubbers =1 support) on one of multiple vessels.
<b>F-A</b> F1.40 2	H-07759 SG-H-0306A SG-3005	ISI / VT	1-ISI-SG-1A "A" S/G Snubber	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Examine support from pin to building structure. Only required to examine one support ( 4 snubbers =1 support) on one of multiple vessels.
<b>F-A</b> F1.40 2	H-07760 SG-H-0308A SG-3005	ISI / VT	1-ISI-SG-1A "A" S/G Snubber	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Examine support from pin to building structure. Only required to examine one support ( 4 snubbers =1 support) on one of multiple vessels.
<b>F-A</b> F1.40 2	H-07761 SG-H-0310C SG-3005		1-ISI-SG-3A "C" S/G Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Examine support from pin to building structure. Only required to examine one support ( 4 snubbers =1 support) on one of multiple vessels.
<b>F-A</b> F1.40 2	H-07762 SG-H-0312B SG-3005		1-ISI-SG-2A "B" S/G Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Examine support from pin to building structure. Only required to examine one support ( 4 snubbers =1 support) on one of multiple vessels.
<b>F-A</b> F1.40 2	H-07763 SG-H-0313B SG-3005		1-ISI-SG-2A "B" S/G Snubber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Examine support from pin to building structure. Only required to examine one support ( 4 snubbers =1 support) on one of multiple vessels.



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F-A F1.40 2	H-07764 SG-H-0314C SG-3005		1-ISI-SG-3A "C" S/G Snubber				Examine support from pin to building structure. Only required to examine one support ( 4 snubbers =1 support) on one of multiple vessels.
F-A F1.40 2	H-07765 SG-H-0325C SG-3005		1-ISI-SG-3A "C" S/G Snubber				Examine support from pin to building structure. Only required to examine one support ( 4 snubbers =1 support) on one of multiple vessels.
F-A F1.40 2	H-07766 SG-H-0326A SG-3005	ISI / VT	1-ISI-SG-1A "A" S/G Snubber		s		Examine support from pin to building structure. Only required to examine one support ( 4 snubbers =1 support) on one of multiple vessels.
F-A F1.40 2	H-08070 SG-H-0307C SG-3005		1-ISI-SG-3A "C" S/G Snubber				Examine support from pin to building structure. Only required to examine one support ( 4 snubbers =1 support) on one of multiple vessels.
F-A F1.40 2	H-08071 SG-H-0309B SG-3005		1-ISI-SG-2A "B" S/G Snubber				Examine support from pin to building structure. Only required to examine one support ( 4 snubbers =1 support) on one of multiple vessels.
F-A F1.40 2	H-08072 SG-H-0323A SG-3005	ISI / VT	1-ISI-SG-1A "A" S/G Snubber		s		Examine support from pin to building structure. Only required to examine one support ( 4 snubbers =1 support) on one of multiple vessels.
F-A F1.40 2	H-10332 II-BIT-01H-002 CS-2060	ISI / VT	1-ISI-BIT-2 Boron Injection Tank Support	s			Examine 4 Support legs to tank.
F-A F1.40 2	H-10333 II-BIT-01H-003 CS-2060	ISI / VT	1-ISI-BIT-2 Boron Injection Tank Support	s			Examine 4 Support legs to tank.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
F-A F1.40 2	H-10334 II-BIT-01H-004 CS-2060	ISI / VT	1-ISI-BIT-2 Boron Injection Tank Support	s			Examine 4 Support legs to tank.
F-A F1.40 3	H-10335 II-CCHX-1A-H-002 CC-4080	ISI / VT	1-ISI-CCHX-1 Component Cooling Water Heat Exchanger "A"	s			
F-A F1.40 3	H-10336 II-CCHX-1B-H-002 CC-4080		1-ISI-CCHX-1 Component Cooling Water Heat Exchanger "B"				
F-A F1.40 3	H-10337 II-CCP-01A-H-002 CC-4080		1-ISI-CCP-1 Component Cooling Water Heat Pump "A"				
F-A F1.40 3	H-10338 II-CCP-01A-H-003 CC-4080		1-ISI-CCP-1 Component Cooling Water Heat Pump "A"				
F-A F1.40 3	H-10339 II-CCP-01A-H-004 CC-4080		1-ISI-CCP-1 Component Cooling Water Heat Pump "A"				
F-A F1.40 3	H-10340 II-CCP-01A-H-005 CC-4080		1-ISI-CCP-1 Component Cooling Water Heat Pump "A"				
F-A F1.40 3	H-10341 II-CCP-01B-H-002 CC-4080		1-ISI-CCP-1 Component Cooling Water Heat Pump "B"				
F-A F1.40 3	H-10342 II-CCP-01B-H-003 CC-4080		1-ISI-CCP-1 Component Cooling Water Heat Pump "B"				
F-A F1.40 3	H-10343 II-CCP-01B-H-004 CC-4080		1-ISI-CCP-1 Component Cooling Water Heat Pump "B"				
F-A F1.40 3	H-10344 II-CCP-01B-H-005 CC-4080		1-ISI-CCP-1 Component Cooling Water Heat Pump "B"				
F-A F1.40 3	H-10345 II-CCP-01C-H-002 CC-4080	ISI / VT	1-ISI-CCP-1 Component Cooling Water Heat Pump "C"		s		

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
F-A F1.40 3	H-10346 II-CCP-01C-H-003 CC-4080	ISI / VT	1-ISI-CCP-1 Component Cooling Water Heat Pump "C"	s			
F-A F1.40 3	H-10347 II-CCP-01C-H-004 CC-4080	ISI / VT	1-ISI-CCP-1 Component Cooling Water Heat Pump "C"	s			
F-A F1.40 3	H-10348 II-CCP-01C-H-005 CC-4080	ISI / VT	1-ISI-CCP-1 Component Cooling Water Heat Pump "C"	s			
F-A F1.40 2	H-10349 II-CSIP-1CSIPA-H-002 CS-2060	ISI / VT	1-ISI-CSIP-2 Charging/Safety Injection Pump "A" Support	s			Only required to examine one support (H-001 thru H-005 = one support) on one of multiple vessels.
F-A F1.40 2	H-10350 II-CSIP-1CSIPA-H-003 CS-2060	ISI / VT	1-ISI-CSIP-2 Charging/Safety Injection Pump "A" Support	s			Only required to examine one support (H-001 thru H-005 = one support) on one of multiple vessels.
F-A F1.40 2	H-10351 II-CSIP-1CSIPA-H-004 CS-2060	ISI / VT	1-ISI-CSIP-2 Charging/Safety Injection Pump "A" Support	s			Only required to examine one support (H-001 thru H-005 = one support) on one of multiple vessels.
F-A F1.40 2	H-10352 II-CSIP-1CSIPA-H-005 CS-2060	ISI / VT	1-ISI-CSIP-2 Charging/Safety Injection Pump "A" Support	s			Only required to examine one support (H-001 thru H-005 = one support) on one of multiple vessels.
F-A F1.40 2	H-10353 II-CSIP-1CSIPB-H-002 CS-2060	ISI / VT	1-ISI-CSIP-2 Charging/Safety Injection Pump "B" Support				Only required to examine one support (H-001 thru H-005 = one support) on one of multiple vessels.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
F-A	H-10354		1-ISI-CSIP-2				Only required to examine one support (H-001 thru H-005 = one support) on one of multiple vessels.
F1.40 2	II-CSIP-1CSIPB-H-003 CS-2060		Charging/Safety Injection Pump "B" Support				
F-A	H-10355		1-ISI-CSIP-2				Only required to examine one support (H-001 thru H-005 = one support) on one of multiple vessels.
F1.40 2	II-CSIP-1CSIPB-H-004 CS-2060		Charging/Safety Injection Pump "B" Support				
F-A	H-10356		1-ISI-CSIP-2				Only required to examine one support (H-001 thru H-005 = one support) on one of multiple vessels.
F1.40 2	II-CSIP-1CSIPB-H-005 CS-2060		Charging/Safety Injection Pump "B" Support				
F-A	H-10357		1-ISI-CSIP-2				Only required to examine one support (H-001 thru H-005 = one support) on one of multiple vessels.
F1.40 2	II-CSIP-1CSIPC-H-002 CS-2060		Charging/Safety Injection Pump "C" Support				
F-A	H-10358		1-ISI-CSIP-2				Only required to examine one support (H-001 thru H-005 = one support) on one of multiple vessels.
F1.40 2	II-CSIP-1CSIPC-H-003 CS-2060		Charging/Safety Injection Pump "C" Support				
F-A	H-10359		1-ISI-CSIP-2				Only required to examine one support (H-001 thru H-005 = one support) on one of multiple vessels.
F1.40 2	II-CSIP-1CSIPC-H-004 CS-2060		Charging/Safety Injection Pump "C" Support				

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
F-A	H-10360		1-ISI-CSIP-2				Only required to examine one support (H-001 thru H-005 = one support) on one of multiple vessels.
F1.40 2	II-CSIP-1CSIPC-H-005 CS-2060		Charging/Safety Injection Pump "C" Support				
F-A	H-10361		1-ISI-CTP-2				Only required to examine one support (H-001 thru H-003 = one support) on one of multiple vessels.
F1.40 2	II-CTP-01CTPA-H-002 CT-2070		"A" Containment Spray Pump Support				
F-A	H-10362		1-ISI-CTP-2				Only required to examine one support (H-001 thru H-003 = one support) on one of multiple vessels.
F1.40 2	II-CTP-01CTPA-H-003 CT-2070		"A" Containment Spray Pump Support				
F-A	H-10363	ISI / VT	1-ISI-CTP-2			s	Only required to examine one support (H-001 thru H-003 = one support) on one of multiple vessels.
F1.40 2	II-CTP-01CTPB-H-002 CT-2070		"B" Containment Spray Pump Support				
F-A	H-10364	ISI / VT	1-ISI-CTP-2			s	Only required to examine one support (H-001 thru H-003 = one support) on one of multiple vessels.
F1.40 2	II-CTP-01CTPB-H-003 CT-2070		"B" Containment Spray Pump Support				
F-A	H-10365		1-ISI-CWP4-1				
F1.40 3	II-CWP4-1A-H-002 CH-4085		Chilled Water Pump "A" Support				
F-A	H-10366		1-ISI-CWP4-1				
F1.40 3	II-CWP4-1A-H-003 CH-4085		Chilled Water Pump "A" Support				
F-A	H-10367	ISI / VT	1-ISI-CWP4-1		s		
F1.40 3	II-CWP4-1B-H-002 CH-4085		Chilled Water Pump "B" Support				
F-A	H-10368	ISI / VT	1-ISI-CWP4-1		s		
F1.40 3	II-CWP4-1B-H-003 CH-4085		Chilled Water Pump "B" Support				

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
F-A	H-10373		1-ISI-ESWP-1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.40 3	II-ESWP-1A-H-002 SW-4060		Emergency Service Water Pump "A" Support				
F-A	H-10374		1-ISI-ESWP-1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.40 3	II-ESWP-1A-H-003 SW-4060		Emergency Service Water Pump "A" Support				
F-A	H-10375		1-ISI-ESWP-1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.40 3	II-ESWP-1A-H-004 SW-4060		Emergency Service Water Pump "A" Support				
F-A	H-10376		1-ISI-ESWP-1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.40 3	II-ESWP-1A-H-005 SW-4060		Emergency Service Water Pump "A" Support				
F-A	H-10377	ISI / VT	1-ISI-ESWP-1	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.40 3	II-ESWP-1B-H-002 SW-4060		Emergency Service Water Pump "B" Support				
F-A	H-10378	ISI / VT	1-ISI-ESWP-1	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.40 3	II-ESWP-1B-H-003 SW-4060		Emergency Service Water Pump "B" Support				
F-A	H-10379	ISI / VT	1-ISI-ESWP-1	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.40 3	II-ESWP-1B-H-004 SW-4060		Emergency Service Water Pump "B" Support				
F-A	H-10380	ISI / VT	1-ISI-ESWP-1	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.40 3	II-ESWP-1B-H-005 SW-4060		Emergency Service Water Pump "B" Support				
F-A	H-10381		1-ISI-ESWS-1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F1.40 3	II-ESWS-1A-H-002 SW-4060		Emergency Service Water Pump "A" Strainer Support				
F-A	H-10382	ISI / VT	1-ISI-ESWS-1	<input type="checkbox"/>	s	<input type="checkbox"/>	
F1.40 3	II-ESWS-1B-H-002 SW-4060		Emergency Service Water Pump "B" Strainer Support				

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
F-A F1.40 3	H-10389 II-LHX-01H-002 CS-2060	ISI / VT	1-ISI-LHX-1 Letdown Heat Exchanger	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
F-A F1.40 1	H-10390 II-RCP-01RCPA-H-002 RC-2025	ISI / VT	1-ISI-RCP-3 RCP "A" Support	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reactor Coolant Pump "A" Support Column and Tie Rod
F-A F1.40 1	H-10391 II-RCP-01RCPA-H-003 RC-2025	ISI / VT	1-ISI-RCP-3 RCP "A" Support	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reactor Coolant Pump "A" Support Column and Tie Rod
F-A F1.40 1	H-10392 II-RCP-01RCPB-H-002 RC-2025		1-ISI-RCP-3 RCP "B" Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reactor Coolant Pump "B" Support Column and Tie Rod
F-A F1.40 1	H-10393 II-RCP-01RCPB-H-003 RC-2025		1-ISI-RCP-3 RCP "B" Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reactor Coolant Pump "B" Support Column and Tie Rod
F-A F1.40 1	H-10394 II-RCP-01RCPC-H-002 RC-2025		1-ISI-RCP-3 RCP "C" Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reactor Coolant Pump "C" Support Column and Tie Rod
F-A F1.40 1	H-10395 II-RCP-01RCPC-H-003 RC-2025		1-ISI-RCP-3 RCP "C" Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reactor Coolant Pump "C" Support Column and Tie Rod
F-A F1.40 2	H-10396 II-RHR-01RHRA-H-002 RH-2085	ISI / VT	1-ISI-RHR-2 RHR Heat Exchanger "A" Support	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Residual Heat Removal Heat Exchanger A. Examine the support skirt shown on 1364-91,017, Detail M and 1364-91,018.
F-A F1.40 2	H-10397 II-RHR-01RHRA-H-003 RH-2085	ISI / VT	1-ISI-RHR-2 RHR Heat Exchanger "A" Support	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Residual Heat Removal Heat Exchanger A. Examine the support skirt shown on 1364-91,017, Detail M and 1364-91,018.
F-A F1.40 2	H-10398 II-RHR-01RHRA-H-004 RH-2085	ISI / VT	1-ISI-RHR-2 RHR Heat Exchanger "A" Support	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Residual Heat Removal Heat Exchanger A. Examine the support skirt shown on 1364-91,017, Detail M and 1364-91,018.
F-A F1.40 2	H-10399 II-RHR-01RHRA-H-005 RH-2085	ISI / VT	1-ISI-RHR-2 RHR Heat Exchanger "A" Support	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Residual Heat Removal Heat Exchanger A. Examine the support skirt shown on 1364-91,017, Detail M and 1364-91,018.

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F-A F1.40 2	H-10400 II-RHR-01RHRA-H-006 RH-2085	ISI / VT	1-ISI-RHR-2 RHR Heat Exchanger "A" Support	s			Residual Heat Removal Heat Exchanger A. Examine the support skirt shown on 1364-91,017, Detail M and 1364-91,018.
F-A F1.40 2	H-10401 II-RHR-01RHRA-H-007 RH-2085	ISI / VT	1-ISI-RHR-2 RHR Heat Exchanger "A" Support	s			Residual Heat Removal Heat Exchanger A. Examine the support skirt shown on 1364-91,017, Detail M and 1364-91,018.
F-A F1.40 2	H-10402 II-RHR-01RHRA-H-008 RH-2085	ISI / VT	1-ISI-RHR-2 RHR Heat Exchanger "A" Support	s			Residual Heat Removal Heat Exchanger A. Examine the support skirt shown on 1364-91,017, Detail M and 1364-91,018.
F-A F1.40 2	H-10403 II-RHR-01RHRB-H-002 RH-2085		1-ISI-RHR-2 RHR Heat Exchanger "B" Support				Residual Heat Removal Heat Exchanger B. Examine the support skirt shown on 1364-91,017, Detail M and 1364-91,018.
F-A F1.40 2	H-10404 II-RHR-01RHRB-H-003 RH-2085		1-ISI-RHR-2 RHR Heat Exchanger "B" Support				Residual Heat Removal Heat Exchanger B. Examine the support skirt shown on 1364-91,017, Detail M and 1364-91,018.
F-A F1.40 2	H-10405 II-RHR-01RHRB-H-004 RH-2085		1-ISI-RHR-2 RHR Heat Exchanger "B" Support				Residual Heat Removal Heat Exchanger B. Examine the support skirt shown on 1364-91,017, Detail M and 1364-91,018.
F-A F1.40 2	H-10406 II-RHR-01RHRB-H-005 RH-2085		1-ISI-RHR-2 RHR Heat Exchanger "B" Support				Residual Heat Removal Heat Exchanger B. Examine the support skirt shown on 1364-91,017, Detail M and 1364-91,018.
F-A F1.40 2	H-10407 II-RHR-01RHRB-H-006 RH-2085		1-ISI-RHR-2 RHR Heat Exchanger "B" Support				Residual Heat Removal Heat Exchanger B. Examine the support skirt shown on 1364-91,017, Detail M and 1364-91,018.
F-A F1.40 2	H-10408 II-RHR-01RHRB-H-007 RH-2085		1-ISI-RHR-2 RHR Heat Exchanger "B" Support				Residual Heat Removal Heat Exchanger B. Examine the support skirt shown on 1364-91,017, Detail M and 1364-91,018.



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F-A F1.40 2	H-10409 II-RHR-01RHRB-H-008 RH-2085		1-ISI-RHR-2 RHR Heat Exchanger "B" Support				Residual Heat Removal Heat Exchanger B. Examine the support skirt shown on 1364-91,017, Detail M and 1364-91,018.
F-A F1.40 2	H-10410 II-RHRP-1RHRPA-H-002 RH-2085	ISI / VT	1-ISI-RHRP-2 Residual Heat Removal Pump "A" Support	s			Only required to examine one support (H-001 thru H-003 = one support) on one of multiple vessels.
F-A F1.40 2	H-10411 II-RHRP-1RHRPA-H-003 RH-2085	ISI / VT	1-ISI-RHRP-2 Residual Heat Removal Pump "A" Support	s			Only required to examine one support (H-001 thru H-003 = one support) on one of multiple vessels.
F-A F1.40 2	H-10412 II-RHRP-1RHRPB-H-002 RH-2085		1-ISI-RHRP-2 Residual Heat Removal Pump "B" Support				Only required to examine one support (H-001 thru H-003 = one support) on one of multiple vessels.
F-A F1.40 2	H-10413 II-RHRP-1RHRPB-H-003 RH-2085		1-ISI-RHRP-2 Residual Heat Removal Pump "B" Support				Only required to examine one support (H-001 thru H-003 = one support) on one of multiple vessels.
F-A F1.40 1	H-10414 II-RPV-01H-002 RC-2005	ISI / VT	1-ISI-RV-3 RPV Support			s	
F-A F1.40 1	H-10415 II-RPV-01H-003 RC-2005	ISI / VT	1-ISI-RV-3 RPV Support			s	
F-A F1.40 1	H-10416 II-RPV-01H-004 RC-2005	ISI / VT	1-ISI-RV-3 RPV Support			s	
F-A F1.40 1	H-10417 II-RPV-01H-005 RC-2005	ISI / VT	1-ISI-RV-3 RPV Support			s	
F-A F1.40 1	H-10418 II-RPV-01H-006 RC-2005	ISI / VT	1-ISI-RV-3 RPV Support			s	

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				1	2	3	
F-A F1.40 3	H-10425 II-SWBP-1B-H-002 SW-4060	ISI / VT	1-ISI-SWBP-1 Service Water Booster Pump "B"	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F-A F1.40 3	H-10426 II-SWBP-1B-H-003 SW-4060	ISI / VT	1-ISI-SWBP-1 Service Water Booster Pump "B"	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F-A F1.40 3	H-10427 II-SWHX-1H-002 CS-2060	ISI / VT	1-ISI-SWHX-1 Seal Water Heat Exchanger Support	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F-A F1.40 3	H-10428 II-WC2-01A-H-002 WC-4085		1-ISI-WC2-1 Water Chiller WC-2 "A" Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.40 3	H-10429 II-WC2-01A-H-003 WC-4085		1-ISI-WC2-1 Water Chiller WC-2 "A" Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.40 3	H-10430 II-WC2-01A-H-004 WC-4085		1-ISI-WC2-1 Water Chiller WC-2 "A" Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.40 3	H-10431 II-WC2-01A-H-005 WC-4085		1-ISI-WC2-1 Water Chiller WC-2 "A" Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.40 3	H-10432 II-WC2-01A-H-006 WC-4085		1-ISI-WC2-1 Water Chiller WC-2 "A" Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.40 3	H-10433 II-WC2-01A-H-007 WC-4085		1-ISI-WC2-1 Water Chiller WC-2 "A" Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.40 3	H-10434 II-WC2-01A-H-008 WC-4085		1-ISI-WC2-1 Water Chiller WC-2 "A" Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.40 3	H-10435 II-WC2-01B-H-002 WC-4085	ISI / VT	1-ISI-WC2-1 Water Chiller WC-2 "B" Support	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F-A F1.40 3	H-10436 II-WC2-01B-H-003 WC-4085	ISI / VT	1-ISI-WC2-1 Water Chiller WC-2 "B" Support	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F-A F1.40 3	H-10437 II-WC2-01B-H-004 WC-4085	ISI / VT	1-ISI-WC2-1 Water Chiller WC-2 "B" Support	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

## Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
F-A F1.40 3	H-10438 II-WC2-01B-H-005 WC-4085	ISI / VT	1-ISI-WC2-1 Water Chiller WC-2 "B" Support	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F-A F1.40 3	H-10439 II-WC2-01B-H-006 WC-4085	ISI / VT	1-ISI-WC2-1 Water Chiller WC-2 "B" Support	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F-A F1.40 3	H-10440 II-WC2-01B-H-007 WC-4085	ISI / VT	1-ISI-WC2-1 Water Chiller WC-2 "B" Support	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F-A F1.40 3	H-10441 II-WC2-01B-H-008 WC-4085	ISI / VT	1-ISI-WC2-1 Water Chiller WC-2 "B" Support	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F-A F1.40 3	H-10442 II-SWBP-1A-H-002 SW-4060		1-ISI-SWBP-1 Service Water Booster Pump "A"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.40 3	H-10443 II-SWBP-1A-H-003 SW-4060		1-ISI-SWBP-1 Service Water Booster Pump "A"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.40 1	H-10537 II-RPV-CRDM SSS RC-1005	ISI / VT	1-ISI-RV-1 CRDM SIEMMIC SUPPORT STRUCTURE	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F-A F1.40 2	H-10687 II-SWIF-1A-H-001 CS-2060	ISI / VT	1364-3848 Seal Water Injection Filter "A" Support	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Examine 3 support legs (H-001 thru H-003 = one support) to filter. Only required to examine one support on one of the multiple vessels.
F-A F1.40 2	H-10688 II-SWIF-1A-H-002 CS-2060	ISI / VT	1364-3848 Seal Water Injection Filter "A" Support	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Examine 3 support legs (H-001 thru H-003 = one support) to filter. Only required to examine one support on one of the multiple vessels.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
F-A F1.40 2	H-10689 II-SWIF-1A-H-003 CS-2060	ISI / VT	1364-3848 Seal Water Injection Filter "A" Support			s	Examine 3 support legs (H-001 thru H-003 = one support) to filter. Only required to examine one support on one of the multiple vessels.
F-A F1.40 2	H-10690 II-SWIF-1B-H-001 CS-2060		1364-3848 Seal Water Injection Filter "B" Support				Examine 3 support legs (H-001 thru H-003 = one support) to filter. Only required to examine one support on one of the multiple vessels.
F-A F1.40 2	H-10691 II-SWIF-1B-H-002 CS-2060		1364-3848 Seal Water Injection Filter "B" Support				Examine 3 support legs (H-001 thru H-003 = one support) to filter. Only required to examine one support on one of the multiple vessels.
F-A F1.40 2	H-10692 II-SWIF-1B-H-003 CS-2060		1364-3848 Seal Water Injection Filter "B" Support				Examine 3 support legs (H-001 thru H-003 = one support) to filter. Only required to examine one support on one of the multiple vessels.
F-A F1.40 3	H-10722 II-CEWP7-1A-H-001 CE-4005	ISI / VT	1-ISI-CWP4-1 Condenser Water Pumps P7			s	
F-A F1.40 3	H-10724 II-CEWP7-1B-H-001 CE-4005		1-ISI-CWP4-1 Condenser Water Pumps P7				
F-A F1.40 2	H-10726 II-VCT-01H-001 CS-2060	ISI / VT	583F749 Volume Control Tank			s	Examine Support Skirt to tank.
F-A F1.40 1	H-10760 II-SG-001SGA-H-009 SG-3005		1-ISI-SG-1A Steam Generator "A" Support				Steam Generator "A" Lower Lateral Restraint (3 Frames)
F-A F1.40 1	H-10761 II-SG-001SGB-H-009 SG-3005	ISI / VT	1-ISI-SG-2A Steam Generator "B" Support		s		Steam Generator "B" Lower Lateral Restraint (3 Frames)

## Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
F-A F1.40 1	H-10762 II-SG-001SGC-H-009 SG-3005		1-ISI-SG-3A Steam Generator "C" Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Steam Generator "C" Lower Lateral Restraint (3 Frames)
F-A F1.40 3	H-10782 II-FPHX-1&4A-H-001 CC-4080	ISI / VT	1-ISI-FPHX-1 Fuel Pools Heat Exchanger 1&4A-SA	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
F-A F1.40 3	H-10783 II-FPHX-1&4B-H-001 CC-4080		1-ISI-FPHX-1 Fuel Pools Heat Exchanger 1&4B-SB	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.40 3	H-10784 II-FPHX-2&3A-H-001 CC-4080		1-ISI-FPHX-1 Fuel Pools Heat Exchanger 2&3A-SA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.40 3	H-10785 II-FPHX-2&3B-H-001 CC-4080		1-ISI-FPHX-1 Fuel Pools Heat Exchanger 2&3B-SB	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.40 3	H-10786 II-CEWP7-1A-H-002 CE-4005	ISI / VT	1-ISI-CWP4-1 Condenser Water Pumps P7	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F-A F1.40 3	H-10787 II-CEWP7-1B-H-002 CE-4005		1-ISI-CWP4-1 Condenser Water Pumps P7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.40 3	H-10788 II-CEWP7-1A-H-003 CE-4005	ISI / VT	1-ISI-CWP4-1 Condenser Water Pumps P7	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
F-A F1.40 3	H-10789 II-CEWP7-1B-H-003 CE-4005		1-ISI-CWP4-1 Condenser Water Pumps P7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
F-A F1.40 2	H-10917 II-RWST-01H-001 CT-2070	ISI / VT	1364-047724 and 1364-047726 Refueling Water Storage Tank Support	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Examine 76 Anchor Chair Supports to building structure. This support added during 4th Interval update.

# Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
		ISI / VT					
F-A F1.40 2	H-10918 II-CFC-01H-001 SW-4060		1364-003616 AH-1 Containment Fan Coolers Support			S	This item is for Containment Fan Cooler AH-1 shown on 2165-G-011. Examine all supports located 14 1/8" up from bottom of Axivane Fan shown on 1364-3616. This item not considered a pressure vessel so wasn't considered for welded attachment.
F-A F1.40 2	H-11129 II-CFC-02H-001 SW-4060		1364-003616 AH-2 Containment Fan Coolers Support				This item is for Containment Fan Cooler AH-2 shown on 2165-G-011. Examine all supports located 14 1/8" up from bottom of Axivane Fan shown on 1364-3616. This item not considered a pressure vessel so wasn't considered for welded attachment.
F-A F1.40 2	H-11130 II-CFC-03H-001 SW-4060		1364-003616 AH-3 Containment Fan Coolers Support				This item is for Containment Fan Cooler AH-3 shown on 2165-G-012. Examine all supports located 14 1/8" up from bottom of Axivane Fan shown on 1364-3616. This item not considered a pressure vessel so wasn't considered for welded attachment.
F-A F1.40 2	H-11131 II-CFC-04H-001 SW-4060		1364-003616 AH-4 Containment Fan Coolers Support				This item is for Containment Fan Cooler AH-4 shown on 2165-G-012. Examine all supports located 14 1/8" up from bottom of Axivane Fan shown on 1364-3616. This item not considered a pressure vessel so wasn't considered for welded attachment.

# Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	

# Category L-A

# Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
L-A	200000	ISI / VT	CAR-2167-G-631 Containment Shell Concrete Surfaces 0° to 90°	s		b	Containment concrete surface areas 0° to 90° (outside of Fuel Handling and Auxiliary Buildings), up to top of parapet wall. See HNP-PM4-002 Section 4.7 for IWL Period 1 and 3 examination date restrictions.
L1.11	CC-0/90						
CC	8010 - Containment System						
L-A	200100	ISI / VT	CAR-2167-G-631 Containment Shell Concrete Surfaces 90° to 180°	s		b	Containment concrete surface areas 90° to 180° (outside of Fuel Handling and Auxiliary Buildings), up to top of parapet wall. See HNP-PM4-002 Section 4.7 for IWL Period 1 and 3 examination date restrictions.
L1.11	CC-90/180						
CC	8010 - Containment System						
L-A	200200	ISI / VT	CAR-2167-G-631 Containment Shell Concrete Surfaces 180° to 270°	s		b	Containment concrete surface areas 180° to 270° (outside of Fuel Handling and Auxiliary Buildings), up to top of parapet wall. See HNP-PM4-002 Section 4.7 for IWL Period 1 and 3 examination date restrictions.
L1.11	CC-180/270						
CC	8010 - Containment System						
L-A	200300	ISI / VT	CAR-2167-G-631 Containment Shell Concrete Surfaces 270° to 360°	s		b	Containment concrete surface areas 270° to 360° (outside of Fuel Handling and Auxiliary Buildings), up to top of parapet wall. See HNP-PM4-002 Section 4.7 for IWL Period 1 and 3 examination date restrictions.
L1.11	CC-270/360						
CC	8010 - Containment System						
L-A	200400	ISI / VT	CAR-2167-G-0640 Concrete Cont. Dome above parapet floor	s		b	Containment dome concrete surface areas 0° to 180°, including parapet floor, interior wall, and top surface. 100% of concrete surfaces shall be examined. See HNP-PM4-002 Section 4.7 for IWL Period 1 and 3 examination date restrictions.
L1.11	CD-0/180						
CC	8010 - Containment System						
L-A	200500	ISI / VT	CAR-2167-G-0640 Concrete Cont. Dome above parapet floor	s		b	Containment dome concrete surface areas 180° to 360°, including parapet floor, interior wall, and top surface. 100% of concrete surfaces shall be examined. See HNP-PM4-002 Section 4.7 for IWL Period 1 and 3 examination date restrictions.
L1.11	CD-180/360						
CC	8010 - Containment System						



# Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
L-A L1.11 CC	200551 CC-Area 1 8010 - Containment System	ISI / VT	CAR-2165-G-018 Accessible Concrete Surface Area 1	s		b	Concrete Surface areas accessible from within Auxiliary Building - El. 286.00' - 180° to 250° Area, (H&V Electrical Room). 100% of concrete surfaces shall be examined. See HNP-PM4-002 Section 4.7 for IWL Period 1 and 3 examination date restrictions.
L-A L1.11 CC	200552 CC-Area 2 8010 - Containment System	ISI / VT	CAR-2165-G-017 Accessible Concrete Surface Area 2	s		b	Concrete Surface areas accessible from within Auxiliary Building - El. 261.00' (and above) - 250° to 280° Area (Main Steam Tunnel Area). 100% of concrete surfaces shall be examined. See HNP-PM4-002 Section 4.7 for IWL Period 1 and 3 examination date restrictions.
L-A L1.11 CC	200553 CC-Area 3 8010 - Containment System	ISI / VT	CAR-2165-G-018 Accessible Concrete Surface Area 3	s		b	Concrete Surface areas accessible from within Auxiliary Building - El. 286.00' - 290° to 325° Area (H&V Electrical Room #4). 100% of concrete surfaces shall be examined. See HNP-PM4-002 Section 4.7 for IWL Period 1 and 3 examination date restrictions.
L-A L1.11 CC	200554 CC-Area 4 8010 - Containment System	ISI / VT	CAR-2165-G-015 Accessible Concrete Surface Area 4	s		b	Concrete Surface areas accessible from within Auxiliary Building - El. 190.00' - 200° to 270° Area (RHR Pump 1B-SB and Containment Spray Pump 1B-SB Room). 100% of concrete surfaces shall be examined. See HNP-PM4-002 Section 4.7 for IWL Period 1 and 3 examination date restrictions.
L-A L1.11 CC	200555 CC-Area 5 8010 - Containment System	ISI / VT	CAR-2165-G-015 Accessible Concrete Surface Area 5	s		b	Concrete Surface areas accessible from within Auxiliary Building - El. 190.00' - 180° to 250° Area (RHR Pump 1A-SA and Containment Spray Pump 1A-SA Room). 100% of concrete surfaces shall be examined. See HNP-PM4-002 Section 4.7 for IWL Period 1 and 3 examination date restrictions.
L-A L1.11 CC	200556 CC-Area 6 8010 - Containment System	ISI / VT	CAR-2165-G-015 Accessible Concrete Surface Area 6	s		b	Concrete Surface areas accessible from within Auxiliary Building - El. 216.00' - 115° to 175° Area. 100% of concrete surfaces shall be examined. See HNP-PM4-002 Section 4.7 for IWL Period 1 and 3 examination date restrictions.

## Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
L-A L1.11 CC	200557 CC-Area 7 8010 - Containment System	ISI / VT	CAR-2165-G-015 Accessible Concrete Surface Area 7	s		b	Concrete Surface areas accessible from within Auxiliary Building - El. 216.00' - 185° to 265° Area. 100% of concrete surfaces shall be examined. See HNP-PM4-002 Section 4.7 for IWL Period 1 and 3 examination date restrictions.
L-A L1.11 CC	200558 CC-Area 8 8010 - Containment System	ISI / VT	CAR-2165-G-017 Accessible Concrete Surface Area 8	s		b	Concrete Surface areas accessible from within Auxiliary Building - El. 261.00' - 70° to 175° Area, including Emergency Escape Hatch Area. 100% of concrete surfaces shall be examined. See HNP-PM4-002 Section 4.7 for IWL Period 1 and 3 examination date restrictions.
L-A L1.11 CC	200559 CC-Area 9 8010 - Containment System	ISI / VT	CAR-2165-G-017 Accessible Concrete Surface Area 9	s		b	Concrete Surface areas accessible from within Auxiliary Building - El. 261.00' - 185° to 250° Area, (Electrical Penetration Area SB). 100% of concrete surfaces shall be examined. See HNP-PM4-002 Section 4.7 for IWL Period 1 and 3 examination date restrictions.
L-A L1.11 CC	200560 CC-Area 10 8010 - Containment System	ISI / VT	CAR-2165-G-017 Accessible Concrete Surface Area 10	s		b	Concrete Surface areas accessible from within Auxiliary Building - El. 261.00' - 290° to 355° Area, (Electrical Penetration Area SA). 100% of concrete surfaces shall be examined. See HNP-PM4-002 Section 4.7 for IWL Period 1 and 3 examination date restrictions. See HNP-PM4-002 Section 4.7 for IWL Period 1 and 3 examination date restrictions.
L-A L1.11 CC	200561 CC-Area 11 8010 - Containment System	ISI / VT	CAR-2165-G-019 Accessible Concrete Surface Area 11	s		b	Concrete Surface areas accessible from within Auxiliary Building - El. 306.00' - 180° to 325° Area. 100% of concrete surfaces shall be examined. See HNP-PM4-002 Section 4.7 for IWL Period 1 and 3 examination date restrictions.
L-A L1.11 CC	200562 CC-Area 12 8010 - Containment System	ISI / VT	CAR-2165-G-019 Accessible Concrete Surface Area 12	s		b	Concrete Surface areas accessible from within Auxiliary Building - El. 306.00' - 330° to 360° Area, (Equipment Hatch Area). 100% of concrete surfaces shall be examined. See HNP-PM4-002 Section 4.7 for IWL Period 1 and 3 examination date restrictions.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
L-A L1.11 CC	200563 CC-Area 13 8010 - Containment System	ISI / VT	CAR-2165-G-016 Accessible Concrete Surface Area 13	s		b	Concrete Surface areas accessible from within Auxiliary Building - El. 236.00' - 70° to 135° Area, (Mechanical and Electrical Penetration Area). 100% of concrete surfaces shall be examined. See HNP-PM4-002 Section 4.7 for IWL Period 1 and 3 examination date restrictions.
L-A L1.11 CC	200564 CC-Area 14 8010 - Containment System	ISI / VT	CAR-2165-G-016 Accessible Concrete Surface Area 14	s		b	Concrete Surface areas accessible from within Auxiliary Building - El. 236.00' - 135° to 155° Area, (Recycle Holdup Tank Area). 100% of concrete surfaces shall be examined. See HNP-PM4-002 Section 4.7 for IWL Period 1 and 3 examination date restrictions.
L-A L1.11 CC	200565 CC-Area 15 8010 - Containment System	ISI / VT	CAR-2165-G-016 Accessible Concrete Surface Area 15	s		b	Concrete Surface areas accessible from within Auxiliary Building - El. 236.00' - 155° to 178° Area, (H&V Penetration Area). 100% of concrete surfaces shall be examined. See HNP-PM4-002 Section 4.7 for IWL Period 1 and 3 examination date restrictions.
L-A L1.11 CC	200566 CC-Area 16 8010 - Containment System	ISI / VT	CAR-2165-G-016 Accessible Concrete Surface Area 16	s		b	Concrete Surface areas accessible from within Auxiliary Building - El. 236.00' - 182° to 270° Area, (Mechanical Penetration and Personnel Air Lock Areas). 100% of concrete surfaces shall be examined. See HNP-PM4-002 Section 4.7 for IWL Period 1 and 3 examination date restrictions.
L-A L1.12 CC	200600 CC-0/360 8010 - Containment System	ISI / VT	Augmented Concrete Surfaces as Req'd				At start of 3rd Interval there are no items identified under this summary number. Use if any Augmented exams are identified during interval. See HNP-PM4-002 Section 4.7 for IWL Period 1 and 3 examination date restrictions.

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	

# Category R-A

# Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
R-A R1.11 1	H-01785-RI II-CS-094CS-FW-3081 CS-2060		1-ISI-CS-94 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Changed component id from II-CS-094CS-FW-3081 to II-CS-094RC-FW-3081 during 4th Interval update.
R-A R1.11 1	H-01786-RI II-CS-094CS-FW-3082 CS-2060		1-ISI-CS-94 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Changed component id from II-CS-094CS-FW-3082 to II-CS-094RC-FW-3082 during 4th Interval update.
R-A R1.11 1	H-01787-RI II-CS-094RC-FW-442 RC-2005		1-ISI-CS-94 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.11 1	H-01788-RI II-CS-094RC-FW-445 RC-2005		1-ISI-CS-94 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.11 1	H-01789-RI II-CS-094RC-SW-A3 RC-2005	ISI / UT	1-ISI-CS-94 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	
R-A R1.11 1	H-01790-RI II-CS-094RC-SW-A4 RC-2005	ISI / UT	1-ISI-CS-94 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	
R-A R1.11 1	H-01792-RI II-CS-097CS-FW-3070 RC-2005	ISI / UT	1-ISI-CS-97 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	
R-A R1.11 1	H-01793-RI II-CS-097CS-FW-3071 CS-2060		1-ISI-CS-97 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.11 1	H-01794-RI II-CS-097CS-FW-3072 CS-2060		1-ISI-CS-97 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.11 1	H-01795-RI II-CS-097CS-FW-3074 CS-2060	ISI / UT	1-ISI-CS-97 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	
R-A R1.11 1	H-01796-RI II-CS-097CS-SW-E3 CS-2060	ISI / UT	1-ISI-CS-97 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	
R-A R1.11 1	H-01797-RI II-CS-097CS-SW-E4 CS-2060	ISI / UT	1-ISI-CS-97 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	

## Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
R-A R1.11 1	H-01811-RI II-CS-102CS-FW-3083 CS-2060		1-ISI-CS-102 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.11 1	H-01812-RI II-CS-102CS-FW-3084 CS-2060		1-ISI-CS-102 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.11 1	H-01813-RI II-CS-102RC-FW-443 RC-2005		1-ISI-CS-102 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.11 1	H-01814-RI II-CS-102RC-FW-444 RC-2005		1-ISI-CS-102 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.11 1	H-01815-RI II-CS-102RC-SW-A3 RC-2005		1-ISI-CS-102 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.11 1	H-01816-RI II-CS-102RC-SW-A4 RC-2005		1-ISI-CS-102 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.11 1	H-01836-RI II-CS-106RC-131-1-SW-1 RC-2005		1-ISI-CS-106 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.11 1	H-01839-RI II-CS-106RC-FW-346 RC-2005		1-ISI-CS-106 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.11 1	H-01842-RI II-CS-106RC-SW-A4 RC-2005		1-ISI-CS-106 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.11 2	H-02429-RI II-FMR-01FW-FW-5 FW-3050	ISI / UT	1-ISI-FW-5 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
R-A R1.11 2	H-02430-RI II-FMR-01FW-FW-7 FW-3050	ISI / UT	1-ISI-FW-5 Elbow to SG Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
R-A R1.11 2	H-02506-RI II-FMR-02FW-FW-10 FW-3050		1-ISI-FW-6 Elbow to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.11 2	H-02515-RI II-FMR-02FW-FW-9 FW-3050		1-ISI-FW-6 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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R-A R1.11 1	H-02558-RI II-FMR-02RC-10-18-SW-K8 RC-2005		1-ISI-RC-2 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.11 2	H-02585-RI II-FMR-03FW-FW-6 FW-3050		1-ISI-FW-7 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.11 2	H-02586-RI II-FMR-03FW-FW-7 FW-3050		1-ISI-FW-7 Elbow to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.11 1	H-02989-RI II-PZR-01NSEW-15 RC-2005		1-ISI-PZR-1 Surge Nozzle to Safe-end	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.11 1	H-02990-RI II-PZR-01NSEW-16 RC-2005		1-ISI-PZR-1 Pressurizer Spray Safe-End	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.11 1	H-03012-RI II-RC-009RC-FW-1 RC-2005		1-ISI-RC-9 Nozzle to Piping Bend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.11 1	H-03013-RI II-RC-009RC-FW-2 RC-2005		1-ISI-RC-9 Piping Bend to Piping Bend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.11 1	H-03014-RI II-RC-009RC-FW-3 RC-2005		1-ISI-RC-9 Piping Bend to Safe End Extension	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.11 1	H-03015-RI II-RC-009RC-SW-A12 RC-2005	ISI / UT	1-ISI-RC-9 Piping Bend to Piping Bend	<input type="checkbox"/>	s	<input type="checkbox"/>	
R-A R1.11 1	H-03016-RI II-RC-009RC-SW-B13 RC-2005		1-ISI-RC-9 Piping Bend to Piping Bend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.11 1	H-03018-RI II-RC-017RC-FW-336 RC-2005		1-ISI-RC-17 Pipe to Valve 1RC-16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.11 1	H-03021-RI II-RC-017RC-SW-A3 RC-2005	ISI / UT ISI / VT	1-ISI-RC-17 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	s	

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R-A R1.11 1	H-03022-RI II-RC-017RC-SW-A4 RC-2005	ISI / UT ISI / VT	1-ISI-RC-17 Pipe to Elbow	□	□	s	
R-A R1.11 1	H-03069-RI II-RC-023RC-FW-328 RC-2005		1-ISI-RC-23 S01 Piping Bend to Safe End Extension	□	□	□	
R-A R1.11 1	H-03070-RI II-RC-023RC-SW-A3 RC-2005		1-ISI-RC-23 S01 Piping Bend to Reducer	□	□	□	
R-A R1.11 1	H-03071-RI II-RC-023RC-SW-A4 RC-2005		1-ISI-RC-23 S01 Reducer to Piping Bend	□	□	□	
R-A R1.11 1	H-04300-RI II-SI-017RC-SW-A3 RC-2005	ISI / UT	1-ISI-SI-17 S02 Elbow to Pipe	□	s	□	
R-A R1.11 1	H-04301-RI II-SI-017RC-SW-A4 RC-2005	ISI / UT	1-ISI-SI-17 S02 Pipe to Elbow	□	s	□	
R-A R1.11 1	H-04313-RI II-SI-017SI-FW-604 SI-2080	ISI / UT	1-ISI-SI-17 S02 Valve 1SI-138 to Pipe	□	s	□	
R-A R1.11 1	H-04563-RI II-SI-024RC-FW-293 RC-2005		1-ISI-SI-24 S02 Pipe to Nozzle	□	□	□	
R-A R1.11 1	H-04564-RI II-SI-024RC-SW-A3 RC-2005	ISI / UT	1-ISI-SI-24 S02 Pipe to Elbow	□	s	□	
R-A R1.11 1	H-04565-RI II-SI-024RC-SW-A4 RC-2005	ISI / UT	1-ISI-SI-24 S02 Elbow to Pipe	□	s	□	
R-A R1.11 1	H-04573-RI II-SI-024SI-FW-587 SI-2080	ISI / UT	1-ISI-SI-24 S02 Pipe to Valve 1SI-81	□	s	□	
R-A R1.11 1	H-04574-RI II-SI-024SI-FW-588 RC-2005		1-ISI-SI-24 S02 Valve to Pipe	□	□	□	



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R-A R1.11 1	H-04596-RI II-SI-025RC-FW-295 RC-2005		1-ISI-SI-25 S02 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.11 1	H-04597-RI II-SI-025RC-SW-J3 RC-2005		1-ISI-SI-25 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.11 1	H-04598-RI II-SI-025RC-SW-J4 RC-2005		1-ISI-SI-25 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.11 1	H-04602-RI II-SI-025SI-FW-536 RC-2005		1-ISI-SI-25 S02 Valve 1SI-82 to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.11 1	H-04638-RI II-SI-025SI-SW-H5 SI-2080		1-ISI-SI-25 S02 Pipe to Sockolet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.11 1	H-04649-RI II-SI-026RC-FW-294 RC-2005		1-ISI-SI-26 S02 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.11 1	H-04650-RI II-SI-026RC-SW-A3 RC-2005		1-ISI-SI-26 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.11 1	H-04651-RI II-SI-026RC-SW-A4 RC-2005		1-ISI-SI-26 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.11 1	H-04652-RI II-SI-026RC-SW-A5 RC-2005		1-ISI-SI-26 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.11 1	H-04653-RI II-SI-026RC-SW-A6 RC-2005		1-ISI-SI-26 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.11 1	H-04658-RI II-SI-026SI-FW-543 SI-2080		1-ISI-SI-26 S02 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.11 1	H-04679-RI II-SI-026SI-SW-C7 SI-2080		1-ISI-SI-26 S02 Pipe to Sockolet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.11 1	H-04699-RI II-SI-027RC-SW-A3 RC-2005	ISI / UT	1-ISI-SI-27 S02 Pipe to Elbow	s	<input type="checkbox"/>	<input type="checkbox"/>	

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R-A R1.11 1	H-04700-RI II-SI-027RC-SW-A4 RC-2005	ISI / UT	1-ISI-SI-27 S02 Elbow to Pipe	s			
R-A R1.11 1	H-04705-RI II-SI-027SI-FW-542 SI-2085	ISI / UT	1-ISI-SI-27 S02 Valve to Pipe			s	
R-A R1.11 1	H-04751-RI II-SI-028RC-SW-F3 RC-2005		1-ISI-SI-28 S02 Piping Bend to Elbow				
R-A R1.11 1	H-04752-RI II-SI-028RC-SW-F4 RC-2005		1-ISI-SI-28 S02 Elbow to Pipe				
R-A R1.11 1	H-04753-RI II-SI-028RC-SW-F5 RC-2005		1-ISI-SI-28 S02 Pipe to Elbow				
R-A R1.11 1	H-04754-RI II-SI-028RC-SW-F6 RC-2005		1-ISI-SI-28 S02 Elbow to Pipe				
R-A R1.11 1	H-04759-RI II-SI-028SI-FW-535 SI-2085		1-ISI-SI-28 S02 Valve 1SI-136 to Pipe				
R-A R1.11 1	H-11059-RI II-SI-019SI-FW-997 SI-2080		1-ISI-SI-19 S02 Pipe to Sockolet				
R-A R1.11 1	H-11060-RI II-SI-019SI-SW-A8 SI-2080		1-ISI-SI-19 S02 Pipe to Elbow				
R-A R1.11 1	H-11061-RI II-SI-019SI-SW-A9 SI-2080		1-ISI-SI-19 S02 Elbow to Pipe				
R-A R1.11 1	H-11062-RI II-SI-020SI-FW-975 SI-2080		1-ISI-SI-20 S02 Pipe to Sockolet				
R-A R1.11 1	H-11063-RI II-SI-020SI-SW-A3 SI-2080		1-ISI-SI-20 S02 Elbow to Pipe				
R-A R1.11 1	H-11064-RI II-SI-020SI-SW-A4 SI-2080		1-ISI-SI-20 S02 Pipe to Elbow				

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R-A R1.11 1	H-11066-RI II-SI-024SI-SW-B8 SI-2080		1-ISI-SI-24 S02 Pipe to Sockolet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.11 1	H-11067-RI II-SI-025SI-FW-537 SI-2080	ISI / UT	1-ISI-SI-25 S02 Pipe to Valve 1SI-82	<input type="checkbox"/>	s	<input type="checkbox"/>	
R-A R1.11 1	H-11068-RI II-SI-025SI-SW-I10 SI-2085	ISI / UT	1-ISI-SI-25 S02 Pipe to Sockolet	<input type="checkbox"/>	<input type="checkbox"/>	s	
R-A R1.11 1	H-11069-RI II-SI-026SI-FW-544 SI-2080	ISI / UT	1-ISI-SI-26 S02 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	s	
R-A R1.11 1	H-11070-RI II-SI-026SI-SW-B6 SI-2080		1-ISI-SI-26 S02 Pipe to Sockolet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.11 1	H-11134-RI II-SI-018SI-FW-966 SI-2080		1-ISI-SI-18 Pipe to Sockolet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.16 2	H-04314-RI II-SI-017SI-FW-605 SI-2080		1-ISI-SI-17 S02 Pipe to Valve 1SI-138	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.16 1	H-04321-RI II-SI-017SI-FW-905 SI-2080		1-ISI-SI-17 S02 Coupling to Reducer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.16 1	H-04322-RI II-SI-017SI-SW-B3 SI-2080		1-ISI-SI-17 S02 Reducer to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.16 1	H-04326-RI II-SI-017SI-SW-C5 SI-2080		1-ISI-SI-17 S02 Pipe to Coupling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.16 1	H-04327-RI II-SI-017SI-SW-C6 SI-2080		1-ISI-SI-17 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.16 1	H-04358-RI II-SI-018SI-FW-966 SI-2080		1-ISI-SI-18 Pipe to Sockolet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.16 1	H-04397-RI II-SI-019SI-FW-997 SI-2080		1-ISI-SI-19 S02 Pipe to Sockolet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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R-A R1.16 1	H-04402-RI II-SI-019SI-SW-A8 SI-2080		1-ISI-SI-19 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.16 1	H-04403-RI II-SI-019SI-SW-A9 SI-2080		1-ISI-SI-19 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.16 1	H-04443-RI II-SI-020SI-FW-975 SI-2080		1-ISI-SI-20 S02 Pipe to Sockolet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.16 1	H-04444-RI II-SI-020SI-SW-A3 SI-2080		1-ISI-SI-20 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.16 1	H-04445-RI II-SI-020SI-SW-A4 SI-2080		1-ISI-SI-20 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.16 1	H-04476-RI II-SI-021SI-FW-549 SI-2080		1-ISI-SI-21 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.16 1	H-04496-RI II-SI-021SI-SW-D5 SI-2080		1-ISI-SI-21 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.16 1	H-04508-RI II-SI-022SI-FW-553 SI-2080		1-ISI-SI-22 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.16 1	H-04528-RI II-SI-022SI-SW-D5 SI-2080		1-ISI-SI-22 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.16 1	H-04543-RI II-SI-023SI-FW-611 SI-2080		1-ISI-SI-23 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.16 1	H-04556-RI II-SI-023SI-SW-D3 SI-2080		1-ISI-SI-23 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.16 1	H-04580-RI II-SI-024SI-SW-B6 SI-2080	ISI / UT	1-ISI-SI-24 S02 Pipe to Elbow	<input type="checkbox"/>	s	<input type="checkbox"/>	
R-A R1.16 1	H-04581-RI II-SI-024SI-SW-B7 SI-2080	ISI / UT	1-ISI-SI-24 S02 Elbow to Pipe	<input type="checkbox"/>	s	<input type="checkbox"/>	

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R-A R1.16 1	H-04582-RI II-SI-024SI-SW-B8 SI-2080		1-ISI-SI-24 S02 Pipe to Sockolet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.16 1	H-04603-RI II-SI-025SI-FW-537 SI-2080	ISI / UT	1-ISI-SI-25 S02 Pipe to Valve 1SI-82	<input type="checkbox"/>	s	<input type="checkbox"/>	
R-A R1.16 1	H-04639-RI II-SI-025SI-SW-I10 SI-2085	ISI / UT	1-ISI-SI-25 S02 Pipe to Sockolet	<input type="checkbox"/>	<input type="checkbox"/>	s	
R-A R1.16 1	H-04640-RI II-SI-025SI-SW-I3 SI-2080	ISI / UT	1-ISI-SI-25 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	s	
R-A R1.16 1	H-04641-RI II-SI-025SI-SW-I4 SI-2080	ISI / UT	1-ISI-SI-25 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	s	
R-A R1.16 1	H-04659-RI II-SI-026SI-FW-544 SI-2080	ISI / UT	1-ISI-SI-26 S02 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	s	
R-A R1.16 1	H-04675-RI II-SI-026SI-SW-B6 SI-2080		1-ISI-SI-26 S02 Pipe to Sockolet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.16 1	H-04704-RI II-SI-027SI-FW-541 SI-2080	ISI / UT	1-ISI-SI-27 S02 Piping Bend to Valve	<input type="checkbox"/>	<input type="checkbox"/>	s	
R-A R1.16 1	H-04720-RI II-SI-027SI-SW-B5 SI-2080		1-ISI-SI-27 S02 Pipe to Piping Bend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.16 1	H-04721-RI II-SI-027SI-SW-B6 SI-2080		1-ISI-SI-27 S02 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.16 1	H-04758-RI II-SI-028SI-FW-534 SI-2080		1-ISI-SI-28 S02 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.16 1	H-04785-RI II-SI-028SI-SW-E4 SI-2080		1-ISI-SI-28 S02 Piping Bend to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.16 1	H-11065-RI II-SI-024SI-FW-587 SI-2080	ISI / UT	1-ISI-SI-24 S02 Pipe to Valve 1SI-81	<input type="checkbox"/>	s	<input type="checkbox"/>	

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R-A R1.17 3	H-11102-RI II-SW-0072SW-FW-1118 SW-4065	ISI / UT	1-ISI-SW-72 Reducer to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	s	Item added in 4th Interval update. Component ID found on Fab Iso.
R-A R1.17 3	H-11103-RI II-SW-0072SW-VW-3 SW-4065	ISI / UT	1-ISI-SW-72 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	s	Item added in 4th Interval update. Component ID found on Fab Iso.
R-A R1.17 3	H-11104-RI II-SW-0072SW-VW-4 SW-4065		1-ISI-SW-72 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>		Item added in 4th Interval update. Component ID found on Fab Iso.
R-A R1.17 3	H-11105-RI II-SW-0072SW-VW-5 SW-4065		1-ISI-SW-72 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>		Item added in 4th Interval update. Component ID found on Fab Iso.
R-A R1.17 3	H-11106-RI II-SW-0072SW-VW-6 SW-4065		1-ISI-SW-72 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>		Item added in 4th Interval update. Component ID found on Fab Iso.
R-A R1.17 3	H-11107-RI II-SW-0072SW-VW-7 SW-4065		1-ISI-SW-72 Elbow to Flange	<input type="checkbox"/>	<input type="checkbox"/>		Item added in 4th Interval update. Component ID found on Fab Iso.
R-A R1.17 3	H-11108-RI II-SW-0043SW-S02-FW-548 SW-4065		1-ISI-SW-43 S02 Reducer to Pipe	<input type="checkbox"/>	<input type="checkbox"/>		Item added in 4th Interval update. Component ID found on Fab Iso.
R-A R1.17 3	H-11109-RI II-SW-0043SW-S02-VW-3 SW-4065		1-ISI-SW-43 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>		Item added in 4th Interval update. Component ID found on Fab Iso.
R-A R1.17 3	H-11110-RI II-SW-0043SW-S02-VW-4 SW-4065		1-ISI-SW-43 S02 Elbow to Elbow	<input type="checkbox"/>	<input type="checkbox"/>		Item added in 4th Interval update. Component ID found on Fab Iso.
R-A R1.17 3	H-11111-RI II-SW-0043SW-S02-VW-5 SW-4065		1-ISI-SW-43 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>		Item added in 4th Interval update. Component ID found on Fab Iso.
R-A R1.17 3	H-11112-RI II-SW-0043SW-S02-VW-10 SW-4065		1-ISI-SW-43 S02 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>		Item added in 4th Interval update. Component ID found on Fab Iso.
R-A R1.17 3	H-11113-RI II-SW-0043SW-S02-VW-6 SW-4065		1-ISI-SW-43 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>		Item added in 4th Interval update. Component ID found on Fab Iso.
R-A R1.17 3	H-11114-RI II-SW-0043SW-S02-VW-7 SW-4065		1-ISI-SW-43 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>		Item added in 4th Interval update. Component ID found on Fab Iso.

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R-A R1.17 3	H-11115-RI II-SW-0043SW-S02-VW-8 SW-4065		1-ISI-SW-43 S02 Pipe to Elbow				Item added in 4th Interval update. Component ID found on Fab Iso.
R-A R1.17 3	H-11116-RI II-SW-0043SW-S02-VW-9 SW-4065		1-ISI-SW-43 S02 Elbow to Flange				Item added in 4th Interval update. Component ID found on Fab Iso.
R-A R1.17 NNS	H-11117-RI II-FP-001FP-1 FP-6175	ISI / UT ISI / VT	Pipe to Elbow			s	Item added in 4th Interval update. There is no ISI drawing or Fab sketch for this piping. Size could not be validated if actual size is needed then field measurement will be required. Component ID created during interval update. UT and VT required is socket welded connection.
R-A R1.17 NNS	H-11118-RI II-FP-001FP-2 FP-6175		Elbow to Pipe				Item added in 4th Interval update. There is no ISI drawing or Fab sketch for this piping. Size could not be validated if actual size is needed then field measurement will be required. Component ID created during interval update..
R-A R1.17 NNS	H-11119-RI II-FP-001FP-3 FP-6175		Pipe to Elbow				Item added in 4th Interval update. There is no ISI drawing or Fab sketch for this piping. Size could not be validated if actual size is needed then field measurement will be required. Component ID created during interval update..
R-A R1.17 NNS	H-11120-RI II-FP-001FP-4 FP-6175		Elbow to Pipe				Item added in 4th Interval update. There is no ISI drawing or Fab sketch for this piping. Size could not be validated if actual size is needed then field measurement will be required. Component ID created during interval update..
R-A R1.17 NNS	H-11121-RI II-FP-001FP-5 FP-6175		Pipe to Pipe				Item added in 4th Interval update. There is no ISI drawing or Fab sketch for this piping. Size could not be validated if actual size is needed then field measurement will be required. Component ID created during interval update..

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R-A R1.17 NNS	H-11122-RI II-FP-001FP-6 FP-6175		Pipe to Reducer				Item added in 4th Interval update. There is no ISI drawing or Fab sketch for this piping. Size could not be validated if actual size is needed then field measurement will be required. Component ID created during interval update..
R-A R1.17 NNS	H-11123-RI II-FP-001FP-7 FP-6175		Reducer to Pipe				Item added in 4th Interval update. There is no ISI drawing or Fab sketch for this piping. Size could not be validated if actual size is needed then field measurement will be required. Component ID created during interval update..
R-A R1.17 NNS	H-11124-RI II-FP-001FP-8 FP-6175		Pipe to Coupling				Item added in 4th Interval update. There is no ISI drawing or Fab sketch for this piping. Size could not be validated if actual size is needed then field measurement will be required. Component ID created during interval update..
R-A R1.17 NNS	H-11125-RI II-FP-001FP-9 FP-6175		Coupling to Pipe				Item added in 4th Interval update. There is no ISI drawing or Fab sketch for this piping. Size could not be validated if actual size is needed then field measurement will be required. Component ID created during interval update..
R-A R1.17 NNS	H-11126-RI II-FP-001FP-10 FP-6175		Pipe to Sweepolet				Item added in 4th Interval update. There is no ISI drawing or Fab sketch for this piping. Size could not be validated if actual size is needed then field measurement will be required. Component ID created during interval update..
R-A R1.17 NNS	H-11127-RI II-FP-001FP-11 FP-6175		Sweepolet to Pipe				Item added in 4th Interval update. There is no ISI drawing or Fab sketch for this piping. Size could not be validated if actual size is needed then field measurement will be required. Component ID created during interval update..
R-A R1.20 1	H-01745-RI II-CS-088CS-FW-3105 CS-2060		1-ISI-CS-88 Valve to Piping Bend				



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R-A R1.20 1	H-01746-RI II-CS-088CS-FW-3106 CS-2060		1-ISI-CS-88 Piping Bend to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01747-RI II-CS-088CS-FW-3107 CS-2060		1-ISI-CS-88 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01749-RI II-CS-088CS-SW-A10 CS-2060		1-ISI-CS-88 Tee to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01750-RI II-CS-088CS-SW-A11 CS-2060		1-ISI-CS-88 Pipe to Tee	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01751-RI II-CS-088CS-SW-A12 CS-2060		1-ISI-CS-88 Tee to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01752-RI II-CS-088CS-SW-A13 CS-2060		1-ISI-CS-88 Pipe to Reducing Coupling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01753-RI II-CS-088CS-SW-A3 CS-2060		1-ISI-CS-88 Pipe to Flange	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01754-RI II-CS-088CS-SW-A4 CS-2060	ISI / UT	1-ISI-CS-88 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
R-A R1.20 1	H-01755-RI II-CS-088CS-SW-A5 CS-2060	ISI / UT	1-ISI-CS-88 Piping Bend to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	
R-A R1.20 1	H-01756-RI II-CS-088CS-SW-A6 CS-2060		1-ISI-CS-88 Elbow to Piping Bend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01757-RI II-CS-088CS-SW-A7 CS-2060		1-ISI-CS-88 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01758-RI II-CS-088CS-SW-A8 CS-2060		1-ISI-CS-88 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01759-RI II-CS-088CS-SW-A9 CS-2060		1-ISI-CS-88 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
R-A R1.20 1	H-01779-RI II-CS-093CS-482-FW-3074 CS-2060		1-ISI-CS-93 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01780-RI II-CS-093CS-FW-3075 CS-2060		1-ISI-CS-93 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01781-RI II-CS-093CS-FW-3076 RC-2005		1-ISI-CS-93 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01782-RI II-CS-093CS-SW-A3 CS-2060		1-ISI-CS-93 Pipe to Tee	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01783-RI II-CS-093CS-SW-A4 CS-2060		1-ISI-CS-93 Tee to Reducing Insert	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01784-RI II-CS-093CS-SW-A5 CS-2060		1-ISI-CS-93 Pipe to Tee	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01798-RI II-CS-097RC-129-1-SW-1 RC-2005		1-ISI-CS-97 Pipe to Reducer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01799-RI II-CS-097RC-FW-339 RC-2005		1-ISI-CS-97 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01800-RI II-CS-097RC-FW-340 RC-2005		1-ISI-CS-97 Nozzle to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01801-RI II-CS-097RC-FW-341 RC-2005		1-ISI-CS-97 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01802-RI II-CS-097RC-FW-342 RC-2005		1-ISI-CS-97 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01803-RI II-CS-097RC-FW-343 RC-2005		1-ISI-CS-97 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01804-RI II-CS-097RC-FW-344 RC-2005		1-ISI-CS-97 Reducer to Coupling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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R-A R1.20 1	H-01805-RI II-CS-097RC-SW-A3 RC-2005		1-ISI-CS-97 Tee to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01806-RI II-CS-097RC-SW-A4 RC-2005		1-ISI-CS-97 Pipe to Tee	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01807-RI II-CS-097RC-SW-A5 RC-2005		1-ISI-CS-97 Tee to Reducer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01808-RI II-CS-097RC-SW-B3 RC-2005		1-ISI-CS-97 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01809-RI II-CS-097RC-SW-B4 RC-2005		1-ISI-CS-97 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01810-RI II-CS-097RC-SW-B5 RC-2005		1-ISI-CS-97 Coupling to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01822-RI II-CS-103CS-FW-3101 CS-2060		1-ISI-CS-103 Valve to Piping Bend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01823-RI II-CS-103CS-FW-3102 CS-2060		1-ISI-CS-103 Piping Bend to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01824-RI II-CS-103CS-FW-3103 CS-2060		1-ISI-CS-103 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01826-RI II-CS-103CS-SW-A3 CS-2060		1-ISI-CS-103 Pipe to Reducer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01827-RI II-CS-103CS-SW-A4 CS-2060		1-ISI-CS-103 Tee to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01828-RI II-CS-103CS-SW-A5 CS-2060		1-ISI-CS-103 Tee to Piping Bend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01829-RI II-CS-103CS-SW-A6 CS-2060		1-ISI-CS-103 Piping Bend to Flange	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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R-A R1.20 1	H-01830-RI II-CS-103CS-SW-A7 CS-2060		1-ISI-CS-103 Pipe to Tee	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01837-RI II-CS-106RC-131-1-SW-2 RC-2005		1-ISI-CS-106 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01838-RI II-CS-106RC-FW-345 RC-2005		1-ISI-CS-106 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01840-RI II-CS-106RC-FW-347 RC-2005		1-ISI-CS-106 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01841-RI II-CS-106RC-FW-348 RC-2005		1-ISI-CS-106 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01844-RI II-CS-107CS-593-2-SW-1 CS-2060		1-ISI-CS-107 Tee to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01848-RI II-CS-107CS-FW-3108 CS-2060		1-ISI-CS-107 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01849-RI II-CS-107CS-FW-3109 CS-2060		1-ISI-CS-107 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01850-RI II-CS-107CS-FW-3110 CS-2060		1-ISI-CS-107 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01852-RI II-CS-107CS-SW-A3 CS-2060		1-ISI-CS-107 Piping Bend to Flange	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01853-RI II-CS-107CS-SW-A5 CS-2060		1-ISI-CS-107 Pipe to Tee	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01854-RI II-CS-107CS-SW-A6 CS-2060		1-ISI-CS-107 Tee to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-01855-RI II-CS-107CS-SW-A7 CS-2060		1-ISI-CS-107 Tee to Reducing Coupling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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R-A R1.20 2	H-02419-RI II-FMR-01FW-135-4-SW-1 FW-3050		1-ISI-FW-5 Piping Bend to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02420-RI II-FMR-01FW-FW-1 FW-3050		1-ISI-FW-5 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02421-RI II-FMR-01FW-FW-2 FW-3050		1-ISI-FW-5 Elbow to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02422-RI II-FMR-01FW-FW-3 FW-3050		1-ISI-FW-5 Elbow to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02423-RI II-FMR-01FW-FW-4 FW-3050		1-ISI-FW-5 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02424-RI II-FMR-01FW-FW-492 FW-3050		1-ISI-FW-5 Flued Head to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02425-RI II-FMR-01FW-FW-493 FW-3050		1-ISI-FW-5 Piping Bend to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02426-RI II-FMR-01FW-FW-494 FW-3050		1-ISI-FW-5 Piping Bend to Piping Bend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02427-RI II-FMR-01FW-FW-495 FW-3050		1-ISI-FW-5 Piping Bend to Piping Bend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02428-RI II-FMR-01FW-FW-496 FW-3050		1-ISI-FW-5 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02432-RI II-FMR-01FW-M4-PW-1 FW-3050		1-ISI-FW-5 Flued Head to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02433-RI II-FMR-01FW-SW-F14 FW-3050		1-ISI-FW-5 Pipe to Pipe Bend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02434-RI II-FMR-01FW-SW-F3 FW-3050		1-ISI-FW-5 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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R-A R1.20 2	H-02435-RI II-FMR-01FW-SW-F4 FW-3050		1-ISI-FW-5 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02436-RI II-FMR-01FW-SW-G10 FW-3050		1-ISI-FW-5 Pipe to Piping Bend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02473-RI II-FMR-01RC-10-17-FW-2-1 RC-2005		1-ISI-RC-1 SG Safe-End to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02474-RI II-FMR-01RC-10-17-FW-3-1 RC-2005		1-ISI-RC-1 SG Nozzle to Safe-End	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02476-RI II-FMR-01RC-10-17-FW-5 RC-2005		1-ISI-RC-1 RCP Nozzle to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02477-RI II-FMR-01RC-10-17-FW-6 RC-2005		1-ISI-RC-1 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02478-RI II-FMR-01RC-10-17-FW-7 RC-2005		1-ISI-RC-1 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02479-RI II-FMR-01RC-10-17-FW-8 RC-2005		1-ISI-RC-1 Elbow to RC Pump "A" Inlet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02480-RI II-FMR-01RC-10-17-SW-L1 RC-2005		1-ISI-RC-1 Pipe to Reducing Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02481-RI II-FMR-01RC-10-17-SW-L2 RC-2005		1-ISI-RC-1 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02482-RI II-FMR-01RC-10-17-SW-L3 RC-2005		1-ISI-RC-1 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02484-RI II-FMR-01RC-10-17-SW-N5 RC-2005		1-ISI-RC-1 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02485-RI II-FMR-01RC-10-17-SW-O6 RC-2005		1-ISI-RC-1 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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R-A R1.20 1	H-02486-RI II-FMR-01RC-10-17-SW-O7 RC-2005		1-ISI-RC-1 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02487-RI II-FMR-01RC-10-17-SW-O8 RC-2005		1-ISI-RC-1 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02488-RI II-FMR-01RC-10-17-SW-P1 RC-2005		1-ISI-RC-1 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02489-RI II-FMR-01RC-10-17-SW-P2 RC-2005		1-ISI-RC-1 Pipe to Sockolet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02490-RI II-FMR-01RC-10-17-SW-P3 RC-2005		1-ISI-RC-1 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02491-RI II-FMR-01RC-10-17-SW-P4 RC-2005		1-ISI-RC-1 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02492-RI II-FMR-01RC-10-17-SW-P5 RC-2005		1-ISI-RC-1 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02493-RI II-FMR-01RC-10-17-SW-P6 RC-2005		1-ISI-RC-1 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02494-RI II-FMR-01RC-10-17-SW-P7 RC-2005		1-ISI-RC-1 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02495-RI II-FMR-01RC-1-FW-10 RC-2005		1-ISI-RC-1 SG Safe-End to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02496-RI II-FMR-01RC-1-FW-9 RC-2005		1-ISI-RC-1 Elbow to SG Safe-End	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02505-RI II-FMR-02FW-FW-1 FW-3050		1-ISI-FW-6 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02507-RI II-FMR-02FW-FW-2 FW-3050	ISI / UT	1-ISI-FW-6 Pipe to Elbow	<input type="checkbox"/>	s	<input type="checkbox"/>	

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R-A R1.20 2	H-02508-RI II-FMR-02FW-FW-3 FW-3050	ISI / UT	1-ISI-FW-6 Elbow to Pipe	<input type="checkbox"/>	<input checked="" type="checkbox"/> s	<input type="checkbox"/>	
R-A R1.20 2	H-02509-RI II-FMR-02FW-FW-4 FW-3050		1-ISI-FW-6 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02510-RI II-FMR-02FW-FW-487 FW-3050		1-ISI-FW-6 Flued Head to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02511-RI II-FMR-02FW-FW-5 FW-3050		1-ISI-FW-6 Elbow to Piping Bend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02512-RI II-FMR-02FW-FW-6 FW-3050		1-ISI-FW-6 Piping Bend to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02513-RI II-FMR-02FW-FW-7 FW-3050		1-ISI-FW-6 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02514-RI II-FMR-02FW-FW-8 FW-3050		1-ISI-FW-6 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02516-RI II-FMR-02FW-M5-PW-1 FW-3050		1-ISI-FW-6 Flued Head to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02547-RI II-FMR-02RC-10-18-FW-5 RC-2005		1-ISI-RC-2 Nozzle to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02548-RI II-FMR-02RC-10-18-FW-6 RC-2005		1-ISI-RC-2 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02549-RI II-FMR-02RC-10-18-FW-7 RC-2005		1-ISI-RC-2 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02550-RI II-FMR-02RC-10-18-FW-8 RC-2005		1-ISI-RC-2 Elbow to RC Pump Inlet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02551-RI II-FMR-02RC-10-18-SW-H6 RC-2005		1-ISI-RC-2 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



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R-A R1.20 1	H-02552 II-FMR-02RC-10-18-SW-H7 RC-2005		1-ISI-RC-2 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02553-RI II-FMR-02RC-10-18-SW-H8 RC-2005		1-ISI-RC-2 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02554-RI II-FMR-02RC-10-18-SW-I5 RC-2005		1-ISI-RC-2 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02555-RI II-FMR-02RC-10-18-SW-K1 RC-2005		1-ISI-RC-2 Pipe to Reducing Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02557-RI II-FMR-02RC-10-18-SW-K2 RC-2005		1-ISI-RC-2 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02559-RI II-FMR-02RC-10-18-SW-L1 RC-2005		1-ISI-RC-2 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02560-RI II-FMR-02RC-10-18-SW-L2 RC-2005		1-ISI-RC-2 Pipe to Sockolet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02561-RI II-FMR-02RC-10-18-SW-L3 RC-2005		1-ISI-RC-2 Pipe to Branch Connection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02562-RI II-FMR-02RC-10-18-SW-L4 RC-2005		1-ISI-RC-2 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02563-RI II-FMR-02RC-10-18-SW-L5 RC-2005		1-ISI-RC-2 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02564-RI II-FMR-02RC-10-18-SW-L6 RC-2005		1-ISI-RC-2 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02565-RI II-FMR-02RC-10-18-SW-L7 RC-2005		1-ISI-RC-2 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02566-RI II-FMR-02RC-2-FW-10 RC-2005	ISI / UT	1-ISI-RC-2 Safe-End to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> s	

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				1	2	3	
R-A R1.20 1	H-02567-RI II-FMR-02RC-2-FW-9 RC-2005	ISI / UT	1-ISI-RC-2 Elbow to Safe-End	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
R-A R1.20 2	H-02574-RI II-FMR-03FW-FW-1 FW-3050		1-ISI-FW-7 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02575-RI II-FMR-03FW-FW-2 FW-3050		1-ISI-FW-7 Elbow to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02576-RI II-FMR-03FW-FW-3 FW-3050		1-ISI-FW-7 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02577-RI II-FMR-03FW-FW-4 FW-3050		1-ISI-FW-7 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02578-RI II-FMR-03FW-FW-479 FW-3050		1-ISI-FW-7 Flued Head to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02579-RI II-FMR-03FW-FW-480 FW-3050		1-ISI-FW-7 Pipe to Piping Bend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02580-RI II-FMR-03FW-FW-481 FW-3050		1-ISI-FW-7 Piping Bend to Piping Bend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02581-RI II-FMR-03FW-FW-482 FW-3050		1-ISI-FW-7 Piping Bend to Piping Bend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02582-RI II-FMR-03FW-FW-483 FW-3050		1-ISI-FW-7 Piping Bend to Piping Bend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02583-RI II-FMR-03FW-FW-484 FW-3050		1-ISI-FW-7 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02584-RI II-FMR-03FW-FW-5 FW-3050		1-ISI-FW-7 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02588-RI II-FMR-03FW-M6-PW-1 FW-3050		1-ISI-FW-7 Flued Head to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
R-A R1.20 2	H-02589-RI II-FMR-03FW-SW-G1 FW-3050		1-ISI-FW-7 Elbow to Pipe Bend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02590-RI II-FMR-03FW-SW-G2 FW-3050		1-ISI-FW-7 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02591-RI II-FMR-03FW-SW-K3 FW-3050		1-ISI-FW-7 Piping Bend to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02629-RI II-FMR-03RC-10-19-FW-5 RC-2005		1-ISI-RC-3 Nozzle to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02630-RI II-FMR-03RC-10-19-FW-6 RC-2005		1-ISI-RC-3 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02631-RI II-FMR-03RC-10-19-FW-7 RC-2005		1-ISI-RC-3 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02632-RI II-FMR-03RC-10-19-FW-8 RC-2005		1-ISI-RC-3 Elbow to RC Pump C Inlet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02633-RI II-FMR-03RC-10-19-SW-N1 RC-2005		1-ISI-RC-3 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02634-RI II-FMR-03RC-10-19-SW-N2 RC-2005		1-ISI-RC-3 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02635-RI II-FMR-03RC-10-19-SW-N3 RC-2005		1-ISI-RC-3 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02637-RI II-FMR-03RC-10-19-SW-O1 RC-2005		1-ISI-RC-3 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02638-RI II-FMR-03RC-10-19-SW-O2 RC-2005		1-ISI-RC-3 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02639-RI II-FMR-03RC-10-19-SW-O3 RC-2005		1-ISI-RC-3 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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R-A R1.20 1	H-02640-RI II-FMR-03RC-10-19-SW-O4 RC-2005		1-ISI-RC-3 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02641-RI II-FMR-03RC-10-19-SW-O5 RC-2005		1-ISI-RC-3 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02642-RI II-FMR-03RC-10-19-SW-P6 RC-2005		1-ISI-RC-3 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02643-RI II-FMR-03RC-10-19-SW-P7 RC-2005		1-ISI-RC-3 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02644-RI II-FMR-03RC-10-19-SW-P8 RC-2005		1-ISI-RC-3 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02645-RI II-FMR-03RC-10-19-SW-Q5 RC-2005		1-ISI-RC-3 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02646-RI II-FMR-03RC-3-FW-10 RC-2005		1-ISI-RC-3 Safe-End to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-02647-RI II-FMR-03RC-3-FW-9 RC-2005		1-ISI-RC-3 Elbow to Safe-End	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02674-RI II-FW-001FW-FW-499 FW-3050	ISI / UT	1-ISI-FW-1 S01 Valve to Pipe	<input type="checkbox"/>	s	<input type="checkbox"/>	
R-A R1.20 2	H-02675-RI II-FW-001FW-FW-500 FW-3050	ISI / UT	1-ISI-FW-1 S01 Pipe to Valve	<input type="checkbox"/>	s	<input type="checkbox"/>	
R-A R1.20 2	H-02677-RI II-FW-001FW-FW-502 FW-3050	ISI / UT	1-ISI-FW-1 S02 Pipe to Flued Head	<input type="checkbox"/>	s	<input type="checkbox"/>	
R-A R1.20 2	H-02678-RI II-FW-001FW-FW-503 FW-3050	ISI / UT	1-ISI-FW-1 S03 Valve to Pipe	<input type="checkbox"/>	s	<input type="checkbox"/>	
R-A R1.20 2	H-02679-RI II-FW-001FW-FW-504 FW-3050	ISI / UT	1-ISI-FW-1 S03 Pipe to Valve	<input type="checkbox"/>	s	<input type="checkbox"/>	

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R-A R1.20 2	H-02681-RI II-FW-001FW-FW-506 FW-3050		1-ISI-FW-1 S03 Pipe to Flued Head	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02682-RI II-FW-001FW-FW-507 FW-3050		1-ISI-FW-1 S02 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02683-RI II-FW-001FW-FW-508 FW-3050		1-ISI-FW-1 S02 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02685-RI II-FW-001FW-FW-510 FW-3050		1-ISI-FW-1 S01 Pipe to Flued Head	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02686-RI II-FW-001FW-FW-574 FW-3050		1-ISI-FW-1 S01 Reducing Tee to Reducer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Previously found on Iso 1-ISI-FW-4. Listed as II-FW-004FW-FW-574 in previous plans.
R-A R1.20 2	H-02687-RI II-FW-001FW-FW-576 FW-3050		1-ISI-FW-1 S03 Reducing Tee to Reducer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Previously on Iso 1-ISI-FW-2. Listed as II-FW-002FW-FW-576 in previous plans.
R-A R1.20 2	H-02688-RI II-FW-001FW-FW-578 FW-3050		1-ISI-FW-1 S02 Reducing Tee to Reducer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Previously on Iso 1-ISI-FW-3. Listed as II-FW-003FW-FW-578 in previous plans.
R-A R1.20 2	H-02701-RI II-FW-001FW-SW-D3 FW-3050		1-ISI-FW-1 S01 Tee to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02702-RI II-FW-001FW-SW-D4 FW-3050		1-ISI-FW-1 S01 Pipe to Tee	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02703-RI II-FW-001FW-SW-E3 FW-3050		1-ISI-FW-1 S02 Tee to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02704-RI II-FW-001FW-SW-E4 FW-3050		1-ISI-FW-1 S02 Pipe to Tee	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02705-RI II-FW-001FW-SW-F3 FW-3050		1-ISI-FW-1 S03 Tee to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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R-A R1.20 2	H-02706-RI II-FW-001FW-SW-F4 FW-3050		1-ISI-FW-1 S03 Pipe to Tee	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02849-RI II-MS-001MS-FW-283 MS-3020		1-ISI-MS-1 S03 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02851-RI II-MS-001MS-FW-284 MS-3020		1-ISI-MS-1 S03 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02852-RI II-MS-001MS-FW-285 MS-3020		1-ISI-MS-1 S02 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02853-RI II-MS-001MS-FW-286 MS-3020		1-ISI-MS-1 S02 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02856-RI II-MS-001MS-FW-301 MS-3020		1-ISI-MS-1 S01 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02857-RI II-MS-001MS-FW-302 MS-3020		1-ISI-MS-1 S01 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02860-RI II-MS-001MS-SW-A11 MS-3020		1-ISI-MS-1 S03 Pipe to Weld in Nozzle Flange	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02861-RI II-MS-001MS-SW-A12 MS-3020		1-ISI-MS-1 S03 Pipe to Weld in Nozzle Flange	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02862-RI II-MS-001MS-SW-A13 MS-3020		1-ISI-MS-1 S03 Pipe to Weld in Nozzle Flange	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02863-RI II-MS-001MS-SW-A14 MS-3020		1-ISI-MS-1 S03 Pipe to Weld in Nozzle Flange	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02864-RI II-MS-001MS-SW-A15 MS-3020		1-ISI-MS-1 S03 Pipe to Weld in Nozzle Flange	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02866-RI II-MS-001MS-SW-A3 MS-3020		1-ISI-MS-1 S03 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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R-A R1.20 2	H-02868-RI II-MS-001MS-SW-A34 MS-3020		1-ISI-MS-1 S03 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02870-RI II-MS-001MS-SW-A4 MS-3020		1-ISI-MS-1 S03 Pipe Extrusion to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02873-RI II-MS-001MS-SW-B11 MS-3020		1-ISI-MS-1 S02 Pipe to Weld in Nozzle Flange	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02874-RI II-MS-001MS-SW-B12 MS-3020		1-ISI-MS-1 S02 Pipe to Weld in Nozzle Flange	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02875-RI II-MS-001MS-SW-B13 MS-3020		1-ISI-MS-1 S02 Pipe to Weld in Nozzle Flange	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02876-RI II-MS-001MS-SW-B14 MS-3020		1-ISI-MS-1 S02 Pipe to Weld in Nozzle Flange	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02877-RI II-MS-001MS-SW-B15 MS-3020		1-ISI-MS-1 S02 Pipe to Weld in Nozzle Flange	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02879-RI II-MS-001MS-SW-B3 MS-3020		1-ISI-MS-1 S02 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02880-RI II-MS-001MS-SW-B30 MS-3020		1-ISI-MS-1 S02 Pipe Extrusion to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02881-RI II-MS-001MS-SW-B34 MS-3020		1-ISI-MS-1 S02 Pipe Extrusion to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02882-RI II-MS-001MS-SW-B35 MS-3020		1-ISI-MS-1 S02 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02884-RI II-MS-001MS-SW-B4 MS-3020		1-ISI-MS-1 S02 Pipe Extrusion to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02887-RI II-MS-001MS-SW-C11 MS-3020		1-ISI-MS-1 S01 Pipe to Weld in Nozzle Flange	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
R-A R1.20 2	H-02888-RI II-MS-001MS-SW-C12 MS-3020		1-ISI-MS-1 S01 Pipe to Weld in Nozzle Flange	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02889-RI II-MS-001MS-SW-C13 MS-3020		1-ISI-MS-1 S01 Pipe to Weld in Nozzle Flange	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02890-RI II-MS-001MS-SW-C14 MS-3020		1-ISI-MS-1 S01 Pipe to Weld in Nozzle Flange	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02891-RI II-MS-001MS-SW-C15 MS-3020		1-ISI-MS-1 S01 Pipe to Weld in Nozzle Flange	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02893-RI II-MS-001MS-SW-C3 MS-3020		1-ISI-MS-1 S01 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02894-RI II-MS-001MS-SW-C30 MS-3020		1-ISI-MS-1 S01 Pipe Extrusion to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02895-RI II-MS-001MS-SW-C34 MS-3020		1-ISI-MS-1 S01 Pipe Extrusion to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02896-RI II-MS-001MS-SW-C36 MS-3020		1-ISI-MS-1 S01 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02898-RI II-MS-001MS-SW-C4 MS-3020		1-ISI-MS-1 S01 Pipe Extrusion to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02927-RI II-MS-002MS-FW-565 MS-3020		1-ISI-MS-2 S01 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02928-RI II-MS-002MS-FW-566 MS-3020		1-ISI-MS-2 S01 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02929-RI II-MS-002MS-FW-567 MS-3020		1-ISI-MS-2 S01 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02930-RI II-MS-002MS-FW-568 MS-3020		1-ISI-MS-2 S01 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



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R-A R1.20 2	H-02931-RI II-MS-002MS-FW-680 MS-3020		1-ISI-MS-2 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02932-RI II-MS-002MS-FW-681 MS-3020		1-ISI-MS-2 S02 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02933-RI II-MS-002MS-FW-682 MS-3020		1-ISI-MS-2 S02 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02934-RI II-MS-002MS-FW-683 MS-3020		1-ISI-MS-2 S02 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02935-RI II-MS-002MS-FW-690 MS-3020		1-ISI-MS-2 S01 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02936-RI II-MS-002MS-FW-691 MS-3020		1-ISI-MS-2 S01 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02937-RI II-MS-002MS-FW-692 MS-3020		1-ISI-MS-2 S01 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02940-RI II-MS-002MS-SW-C3 MS-3020		1-ISI-MS-2 S01 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02941-RI II-MS-002MS-SW-E3 MS-3020		1-ISI-MS-2 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02942-RI II-MS-007MS-96-FW-101 MS-3020		1-ISI-MS-7 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02943-RI II-MS-007MS-FW-563 MS-3020		1-ISI-MS-7 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02944-RI II-MS-007MS-FW-564 MS-3020		1-ISI-MS-7 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02945-RI II-MS-007MS-FW-679 MS-3020		1-ISI-MS-7 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
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R-A R1.20 2	H-02946-RI II-MS-007MS-SW-A3 MS-3020		1-ISI-MS-7 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-02947-RI II-MS-007MS-SW-B3 MS-3020		1-ISI-MS-7 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03017-RI II-RC-017RC-FW-335 RC-2005		1-ISI-RC-17 Nozzle to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03019-RI II-RC-017RC-FW-337 RC-2005		1-ISI-RC-17 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03020-RI II-RC-017RC-FW-338 RC-2005		1-ISI-RC-17 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03023-RI II-RC-022RC-149-1-SW-1 RC-2005		1-ISI-RC-22 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03024-RI II-RC-022RC-149-1-SW-2 RC-2005	ISI / UT	1-ISI-RC-22 Piping Bend to Elbow	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03025-RI II-RC-022RC-149-1-SW-3 RC-2005		1-ISI-RC-22 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03026-RI II-RC-022RC-149-3-SW-1 RC-2005	ISI / UT	1-ISI-RC-22 Elbow to Pipe	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03027-RI II-RC-022RC-149-3-SW-2 RC-2005		1-ISI-RC-22 Tee, Reducing to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03028-RI II-RC-022RC-149-3-SW-3 RC-2005		1-ISI-RC-22 Tee, Reducing to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03029-RI II-RC-022RC-149-3-SW-4 RC-2005		1-ISI-RC-22 Pipe to Reducing Tee	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03030-RI II-RC-022RC-149-3-SW-5 RC-2005		1-ISI-RC-22 Tee, Reducing to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
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R-A R1.20 1	H-03031-RI II-RC-022RC-149-3-SW-6 RC-2005		1-ISI-RC-22 Tee, Reducing to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03032-RI II-RC-022RC-149-3-SW-7 RC-2005		1-ISI-RC-22 Pipe to Reducing Tee	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03033-RI II-RC-022RC-149-3-SW-8 RC-2005	ISI / UT	1-ISI-RC-22 Pipe to Elbow	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03034-RI II-RC-022RC-149-3-SW-9 RC-2005		1-ISI-RC-22 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03035-RI II-RC-022RC-FW-456 RC-2005		1-ISI-RC-22 Safe End Extension to Piping Bend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03036-RI II-RC-022RC-FW-457 RC-2005		1-ISI-RC-22 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03037-RI II-RC-022RC-FW-458 RC-2005		1-ISI-RC-22 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03038-RI II-RC-022RC-FW-459 RC-2005		1-ISI-RC-22 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03039-RI II-RC-022RC-FW-460 RC-2005		1-ISI-RC-22 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03040-RI II-RC-022RC-FW-461 RC-2005		1-ISI-RC-22 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03041-RI II-RC-022RC-FW-463 RC-2005		1-ISI-RC-22 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03042-RI II-RC-022RC-FW-464 RC-2005		1-ISI-RC-22 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03043-RI II-RC-022RC-FW-465 RC-2005		1-ISI-RC-22 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
R-A R1.20 1	H-03044-RI II-RC-022RC-FW-467 RC-2005		1-ISI-RC-22 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03045-RI II-RC-022RC-FW-468 RC-2005		1-ISI-RC-22 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03046-RI II-RC-022RC-FW-469 RC-2005		1-ISI-RC-22 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03047-RI II-RC-022RC-SW-A4 RC-2005		1-ISI-RC-22 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03048-RI II-RC-022RC-SW-A6 RC-2005	ISI / UT	1-ISI-RC-22 Elbow to Pipe	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03049-RI II-RC-022RC-SW-B3 RC-2005		1-ISI-RC-22 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03050-RI II-RC-022RC-SW-B4 RC-2005	ISI / UT	1-ISI-RC-22 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
R-A R1.20 1	H-03051-RI II-RC-022RC-SW-B5 RC-2005	ISI / UT	1-ISI-RC-22 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
R-A R1.20 1	H-03052-RI II-RC-022RC-SW-B6 RC-2005	ISI / UT	1-ISI-RC-22 Elbow to Pipe	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03053-RI II-RC-022RC-SW-C10 RC-2005	ISI / UT	1-ISI-RC-22 Pipe to Elbow	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03054-RI II-RC-022RC-SW-C11 RC-2005	ISI / UT	1-ISI-RC-22 Elbow to Pipe	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03055-RI II-RC-022RC-SW-C12 RC-2005	ISI / UT	1-ISI-RC-22 Pipe to Elbow	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03056-RI II-RC-022RC-SW-C16 RC-2005		1-ISI-RC-22 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
R-A R1.20 1	H-03057-RI II-RC-022RC-SW-C19 RC-2005	ISI / UT	1-ISI-RC-22 Elbow to Pipe	s			
R-A R1.20 1	H-03058-RI II-RC-022RC-SW-C3 RC-2005		1-ISI-RC-22 Elbow to Pipe				
R-A R1.20 1	H-03059-RI II-RC-022RC-SW-C8 RC-2005	ISI / UT	1-ISI-RC-22 Pipe to Reducer	s			
R-A R1.20 1	H-03060-RI II-RC-022RC-SW-C9 RC-2005		1-ISI-RC-22 Reducer to Pipe				
R-A R1.20 1	H-03061-RI II-RC-023RC-92-2-SW-1 RC-2005		1-ISI-RC-23 S02 Pipe to Reducing Tee				
R-A R1.20 1	H-03062-RI II-RC-023RC-92-3-SW-2 RC-2005		1-ISI-RC-23 S01 Pipe to Coupling				
R-A R1.20 1	H-03063-RI II-RC-023RC-FW-322 RC-2005		1-ISI-RC-23 S02 Pipe to Valve				
R-A R1.20 1	H-03064-RI II-RC-023RC-FW-323 RC-2005		1-ISI-RC-23 S02 Valve to Pipe				
R-A R1.20 1	H-03065-RI II-RC-023RC-FW-324 RC-2005		1-ISI-RC-23 S01 Pipe to Elbow				
R-A R1.20 1	H-03066-RI II-RC-023RC-FW-325 RC-2005		1-ISI-RC-23 S01 Valve to Pipe				
R-A R1.20 1	H-03067-RI II-RC-023RC-FW-326 RC-2005		1-ISI-RC-23 S01 Pipe to Valve				
R-A R1.20 1	H-03068-RI II-RC-023RC-FW-327 RC-2005		1-ISI-RC-23 S01 Tee to Pipe				
R-A R1.20 1	H-03072-RI II-RC-023RC-SW-B3 RC-2005		1-ISI-RC-23 S01 Elbow to Pipe				

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				1	2	3	
R-A R1.20 1	H-03073-RI II-RC-023RC-SW-B4 RC-2005		1-ISI-RC-23 S01 Pipe to Tee	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03074-RI II-RC-023RC-SW-B5 RC-2005		1-ISI-RC-23 S01 Tee to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03075-RI II-RC-023RC-SW-B6 RC-2005		1-ISI-RC-23 S01 Pipe to Reducer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03076-RI II-RC-023RC-SW-B7 RC-2005		1-ISI-RC-23 S01 Reducer to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03077-RI II-RC-023RC-SW-C11 RC-2005		1-ISI-RC-23 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03078-RI II-RC-023RC-SW-C12 RC-2005		1-ISI-RC-23 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03079-RI II-RC-023RC-SW-C13 RC-2005		1-ISI-RC-23 S02 Tee, Reducing to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03080-RI II-RC-023RC-SW-C3 RC-2005		1-ISI-RC-23 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03081-RI II-RC-023RC-SW-C4 RC-2005		1-ISI-RC-23 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03082-RI II-RC-023RC-SW-C5 RC-2005		1-ISI-RC-23 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03083-RI II-RC-023RC-SW-C6 RC-2005		1-ISI-RC-23 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03084-RI II-RC-023RC-SW-C7 RC-2005		1-ISI-RC-23 S02 Pipe to Reducer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03085-RI II-RC-023RC-SW-C8 RC-2005		1-ISI-RC-23 S02 Reducer to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
R-A R1.20 1	H-03086-RI II-RC-023RC-SW-C9 RC-2005		1-ISI-RC-23 S02 Pipe to Reducing Tee	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03087-RI II-RC-023RC-SW-D10 RC-2005		1-ISI-RC-23 S01 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03088-RI II-RC-023RC-SW-D11 RC-2005		1-ISI-RC-23 S01 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03089-RI II-RC-023RC-SW-D12 RC-2005		1-ISI-RC-23 S01 Tee to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03090-RI II-RC-023RC-SW-D13 RC-2005		1-ISI-RC-23 S01 Pipe to Reducer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03091-RI II-RC-023RC-SW-D14 RC-2005		1-ISI-RC-23 S01 Reducer to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03092-RI II-RC-023RC-SW-D3 RC-2005		1-ISI-RC-23 S01 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03093-RI II-RC-023RC-SW-D4 RC-2005		1-ISI-RC-23 S01 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03094-RI II-RC-023RC-SW-D5 RC-2005		1-ISI-RC-23 S01 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03095-RI II-RC-023RC-SW-D6 RC-2005		1-ISI-RC-23 S01 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03096-RI II-RC-023RC-SW-D7 RC-2005		1-ISI-RC-23 S01 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03097-RI II-RC-023RC-SW-D8 RC-2005		1-ISI-RC-23 S01 Pipe to Tee	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03098-RI II-RC-023RC-SW-D9 RC-2005		1-ISI-RC-23 S01 Tee to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				1	2	3	
R-A R1.20 1	H-03099-RI II-RC-023RC-SW-E10 RC-2005		1-ISI-RC-23 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03100-RI II-RC-023RC-SW-E11 RC-2005		1-ISI-RC-23 S02 Pipe to Tee	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03101-RI II-RC-023RC-SW-E12 RC-2005		1-ISI-RC-23 S02 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03102-RI II-RC-023RC-SW-E4 RC-2005		1-ISI-RC-23 S02 Pipe to Coupling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03103-RI II-RC-023RC-SW-E5 RC-2005		1-ISI-RC-23 S02 Reducer to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03104-RI II-RC-023RC-SW-E6 RC-2005		1-ISI-RC-23 S02 Pipe to Reducer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03105-RI II-RC-023RC-SW-E7 RC-2005		1-ISI-RC-23 S02 Tee to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03106-RI II-RC-023RC-SW-E8 RC-2005		1-ISI-RC-23 S02 Tee to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03107-RI II-RC-023RC-SW-E9 RC-2005		1-ISI-RC-23 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03108-RI II-RC-024RC-FW-318 RC-2005		1-ISI-RC-24 Tee to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03110-RI II-RC-024RC-FW-320 RC-2005		1-ISI-RC-24 Piping Bend to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03111-RI II-RC-024RC-FW-321 RC-2005		1-ISI-RC-24 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03113-RI II-RC-024RC-SW-A3 RC-2005		1-ISI-RC-24 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



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R-A R1.20 1	H-03114-RI II-RC-024RC-SW-A4 RC-2005		1-ISI-RC-24 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03115-RI II-RC-024RC-SW-B3 RC-2005		1-ISI-RC-24 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03116-RI II-RC-024RC-SW-B4 RC-2005		1-ISI-RC-24 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03117-RI II-RC-024RC-SW-B5 RC-2005		1-ISI-RC-24 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03118-RI II-RC-024RC-SW-B6 RC-2005		1-ISI-RC-24 Pipe to Piping Bend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03119-RI II-RC-024RC-SW-B9 RC-2005		1-ISI-RC-24 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03120-RI II-RC-024RC-SW-C3 RC-2005		1-ISI-RC-24 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03121-RI II-RC-024RC-SW-C7 RC-2005		1-ISI-RC-24 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03122-RI II-RC-024RC-SW-C8 RC-2005		1-ISI-RC-24 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03123-RI II-RC-025RC-76-1-SW-1 RC-2005		1-ISI-RC-25 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03124-RI II-RC-025RC-FW-331 RC-2005		1-ISI-RC-25 Nozzle to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03125-RI II-RC-025RC-FW-332 RC-2005		1-ISI-RC-25 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03126-RI II-RC-025RC-FW-333 RC-2005		1-ISI-RC-25 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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R-A R1.20 1	H-03127 II-RC-025RC-SW-A3 RC-2005		1-ISI-RC-25 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03128 II-RC-025RC-SW-A4 RC-2005		1-ISI-RC-25 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03129-RI II-RC-025RC-SW-A5 RC-2005		1-ISI-RC-25 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03130-RI II-RC-025RC-SW-A6 RC-2005		1-ISI-RC-25 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03142-RI II-RC-027RC-FW-329 RC-2005	ISI / UT	1-ISI-RC-27 Safe End Extension to Pipe	<input type="checkbox"/>	s	<input type="checkbox"/>	
R-A R1.20 1	H-03143-RI II-RC-027RC-FW-330 RC-2005		1-ISI-RC-27 Safe End Extension to Piping Bend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03144-RI II-RC-027RC-FW-334 RC-2005	ISI / UT	1-ISI-RC-27 Safe End Extension to Piping Bend	<input type="checkbox"/>	s	<input type="checkbox"/>	This Weld also has been OVERLAID. See EC-64915 and is EXAMINED UNDER AUGMENT E-2
R-A R1.20 1	H-03145-RI II-RC-027RC-SW-A10 RC-2005		1-ISI-RC-27 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03146-RI II-RC-027RC-SW-A11 RC-2005		1-ISI-RC-27 Pipe to Flange	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03148-RI II-RC-027RC-SW-A4 RC-2005		1-ISI-RC-27 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03149-RI II-RC-027RC-SW-A5 RC-2005		1-ISI-RC-27 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03150-RI II-RC-027RC-SW-A6 RC-2005		1-ISI-RC-27 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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R-A R1.20 1	H-03151-RI II-RC-027RC-SW-A7 RC-2005		1-ISI-RC-27 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03152-RI II-RC-027RC-SW-A8 RC-2005		1-ISI-RC-27 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03153-RI II-RC-027RC-SW-A9 RC-2005		1-ISI-RC-27 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03154-RI II-RC-027RC-SW-B10 RC-2005		1-ISI-RC-27 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03155-RI II-RC-027RC-SW-B11 RC-2005		1-ISI-RC-27 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03156-RI II-RC-027RC-SW-B12 RC-2005		1-ISI-RC-27 Pipe to Flange	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03158-RI II-RC-027RC-SW-B5 RC-2005		1-ISI-RC-27 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03159-RI II-RC-027RC-SW-B6 RC-2005		1-ISI-RC-27 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03160-RI II-RC-027RC-SW-B7 RC-2005		1-ISI-RC-27 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03161-RI II-RC-027RC-SW-B8 RC-2005		1-ISI-RC-27 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03162-RI II-RC-027RC-SW-B9 RC-2005		1-ISI-RC-27 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03164-RI II-RC-027RC-SW-C11 RC-2005		1-ISI-RC-27 Piping Bend to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03165-RI II-RC-027RC-SW-C3 RC-2005		1-ISI-RC-27 Pipe to Flange	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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R-A R1.20 1	H-03166-RI II-RC-027RC-SW-C4 RC-2005		1-ISI-RC-27 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03167-RI II-RC-027RC-SW-C5 RC-2005		1-ISI-RC-27 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03168-RI II-RC-027RC-SW-C6 RC-2005		1-ISI-RC-27 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03169-RI II-RC-027RC-SW-C7 RC-2005		1-ISI-RC-27 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03170-RI II-RC-027RC-SW-C8 RC-2005		1-ISI-RC-27 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03171-RI II-RC-027RC-SW-C9 RC-2005		1-ISI-RC-27 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03654-RI II-RH-009RC-FW-291 RC-2005		1-ISI-RH-9 S01 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03655-RI II-RH-009RC-FW-292 RC-2005		1-ISI-RH-9 S01 Nozzle to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03656-RI II-RH-009RC-SW-A3 RC-2005	ISI / UT	1-ISI-RH-9 S01 Pipe to Elbow	<input type="checkbox"/>	s	<input type="checkbox"/>	
R-A R1.20 1	H-03657-RI II-RH-009RC-SW-A4 RC-2005	ISI / UT	1-ISI-RH-9 S01 Elbow to Pipe	<input type="checkbox"/>	s	<input type="checkbox"/>	
R-A R1.20 1	H-03658-RI II-RH-009RC-SW-A5 RC-2005	ISI / UT	1-ISI-RH-9 S01 Pipe to Elbow	<input type="checkbox"/>	s	<input type="checkbox"/>	
R-A R1.20 1	H-03659-RI II-RH-009RC-SW-A6 RC-2005	ISI / UT	1-ISI-RH-9 S01 Elbow to Pipe	<input type="checkbox"/>	s	<input type="checkbox"/>	
R-A R1.20 2	H-03662-RI II-RH-009RH-FW-14 RH-2085	ISI / UT	1-ISI-RH-9 S02 Valve to Pipe	<input type="checkbox"/>	s	<input type="checkbox"/>	

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R-A R1.20 2	H-03663-RI II-RH-009RH-FW-15 RH-2085		1-ISI-RH-9 S02 Pipe to Flued Head	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03665-RI II-RH-009RH-FW-199 RH-2085		1-ISI-RH-9 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03666-RI II-RH-009RH-FW-200 RH-2085		1-ISI-RH-9 S02 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03667-RI II-RH-009RH-FW-202 RH-2085		1-ISI-RH-9 S01 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03668-RI II-RH-009RH-FW-203 RH-2085		1-ISI-RH-9 S01 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03669-RI II-RH-009RH-FW-204 RH-2085		1-ISI-RH-9 S01 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-03670-RI II-RH-009RH-M16-PW-1 RH-2085		1-ISI-RH-9 S02 Flued Head to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03671-RI II-RH-009RH-SW-B3 RH-2085		1-ISI-RH-9 S01 Piping Bend to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03672-RI II-RH-009RH-SW-C3 RH-2085		1-ISI-RH-9 S01 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03673-RI II-RH-009RH-SW-D3 RH-2085	ISI / UT	1-ISI-RH-9 S01 Elbow to Piping Bend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03674-RI II-RH-009RH-SW-D4 RH-2085	ISI / UT	1-ISI-RH-9 S02 Piping Bend to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03675-RI II-RH-009RH-SW-E3 RH-2085		1-ISI-RH-9 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03676-RI II-RH-009RH-SW-E4 RH-2085		1-ISI-RH-9 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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R-A R1.20 1	H-03677-RI II-RH-009RH-SW-E5 RH-2085		1-ISI-RH-9 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03678-RI II-RH-009RH-SW-E6 RH-2085		1-ISI-RH-9 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-03679-RI II-RH-009RH-SW-F3 RH-2085		1-ISI-RH-9 S02 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03683-RI II-RH-010RC-FW-289 RC-2005		1-ISI-RH-10 S01 Nozzle to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03684-RI II-RH-010RC-FW-290 RC-2005		1-ISI-RH-10 S01 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03685-RI II-RH-010RC-SW-A3 RC-2005	ISI / UT	1-ISI-RH-10 S01 Elbow to Pipe	<input type="checkbox"/>	s	<input type="checkbox"/>	
R-A R1.20 1	H-03686-RI II-RH-010RC-SW-A4 RC-2005	ISI / UT	1-ISI-RH-10 S01 Pipe to Elbow	<input type="checkbox"/>	s	<input type="checkbox"/>	
R-A R1.20 1	H-03687-RI II-RH-010RC-SW-A5 RC-2005		1-ISI-RH-10 S01 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03688-RI II-RH-010RC-SW-A6 RC-2005		1-ISI-RH-10 S01 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-03691-RI II-RH-010RH-FW-193 RH-2085		1-ISI-RH-10 S02 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03692-RI II-RH-010RH-FW-194 RH-2085		1-ISI-RH-10 S02 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03693-RI II-RH-010RH-FW-195 RH-2085		1-ISI-RH-10 S01 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03694-RI II-RH-010RH-FW-196 RH-2085		1-ISI-RH-10 S01 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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R-A R1.20 1	H-03695-RI II-RH-010RH-FW-197 RH-2085		1-ISI-RH-10 S01 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03696-RI II-RH-010RH-FW-198 RH-2085		1-ISI-RH-10 S01 Valve to Piping Bend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-03697-RI II-RH-010RH-FW-2 RH-2085		1-ISI-RH-10 S02 Pipe to Flued Head	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-03699-RI II-RH-010RH-M15-PW-1 RH-2085		1-ISI-RH-10 S02 Flued Head to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03700-RI II-RH-010RH-SW-B6 RH-2085		1-ISI-RH-10 S01 Piping Bend to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03701-RI II-RH-010RH-SW-C3 RH-2085		1-ISI-RH-10 S01 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03702-RI II-RH-010RH-SW-C4 RH-2085		1-ISI-RH-10 S01 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03703-RI II-RH-010RH-SW-D3 RH-2085		1-ISI-RH-10 S01 Piping Bend to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03704-RI II-RH-010RH-SW-D4 RH-2085		1-ISI-RH-10 S01 Elbow to Piping Bend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03705-RI II-RH-010RH-SW-E3 RH-2085		1-ISI-RH-10 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03706-RI II-RH-010RH-SW-E4 RH-2085		1-ISI-RH-10 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03707-RI II-RH-010RH-SW-E5 RH-2085		1-ISI-RH-10 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-03708-RI II-RH-010RH-SW-E6 RH-2085		1-ISI-RH-10 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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R-A R1.20 2	H-03709-RI II-RH-010RH-SW-F3 RH-2085		1-ISI-RH-10 S02 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04264-RI II-SI-016SI-FW-722 SI-2080		1-ISI-SI-16 S02 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04265-RI II-SI-016SI-FW-723 SI-2080		1-ISI-SI-16 S02 Pipe to Sockolet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04266-RI II-SI-016SI-FW-724 SI-2080		1-ISI-SI-16 S01 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04267-RI II-SI-016SI-FW-725 SI-2080		1-ISI-SI-16 S01 Pipe to Sockolet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04272-RI II-SI-016SI-SW-A3 SI-2080		1-ISI-SI-16 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04273-RI II-SI-016SI-SW-A4 SI-2080		1-ISI-SI-16 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04274-RI II-SI-016SI-SW-B3 SI-2080		1-ISI-SI-16 S01 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04275-RI II-SI-016SI-SW-B4 SI-2080		1-ISI-SI-16 S01 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04299-RI II-SI-017RC-FW-297 RC-2005		1-ISI-SI-17 S02 Pipe to Sockolet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-04318-RI II-SI-017SI-FW-898 SI-2080		1-ISI-SI-17 S01 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04319-RI II-SI-017SI-FW-903 SI-2080		1-ISI-SI-17 S02 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04320-RI II-SI-017SI-FW-904 SI-2080		1-ISI-SI-17 S02 Pipe to Coupling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



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				1	2	3	
R-A R1.20 1	H-04323-RI II-SI-017SI-SW-C10 SI-2080		1-ISI-SI-17 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04324-RI II-SI-017SI-SW-C11 SI-2080		1-ISI-SI-17 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04325-RI II-SI-017SI-SW-C12 SI-2080		1-ISI-SI-17 S02 Coupling to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04328-RI II-SI-017SI-SW-C7 SI-2080		1-ISI-SI-17 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04329-RI II-SI-017SI-SW-C8 SI-2080		1-ISI-SI-17 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04330-RI II-SI-017SI-SW-C9 SI-2080		1-ISI-SI-17 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04331-RI II-SI-017SI-SW-D13 SI-2080		1-ISI-SI-17 S02 Tee to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04332-RI II-SI-017SI-SW-D14 SI-2080		1-ISI-SI-17 S02 Tee to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04333-RI II-SI-017SI-SW-D15 SI-2080		1-ISI-SI-17 S02 Pipe to Tee	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04334-RI II-SI-017SI-SW-D16 SI-2080		1-ISI-SI-17 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04335-RI II-SI-017SI-SW-D17 SI-2080		1-ISI-SI-17 S01 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04336-RI II-SI-017SI-SW-D18 SI-2080		1-ISI-SI-17 S01 Reducing Tee to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04337-RI II-SI-017SI-SW-D19 SI-2080		1-ISI-SI-17 S01 Pipe to Reducing Tee	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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R-A R1.20 1	H-04352-RI II-SI-018SI-FW-662 SI-2080		1-ISI-SI-18 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04353-RI II-SI-018SI-FW-663 SI-2080		1-ISI-SI-18 Elbow to Piping Bend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04354-RI II-SI-018SI-FW-664 SI-2080		1-ISI-SI-18 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04355-RI II-SI-018SI-FW-963 SI-2080		1-ISI-SI-18 Coupling to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04356-RI II-SI-018SI-FW-964 SI-2080		1-ISI-SI-18 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04357-RI II-SI-018SI-FW-965 SI-2080		1-ISI-SI-18 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04359-RI II-SI-018SI-SW-A3 SI-2080		1-ISI-SI-18 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04360-RI II-SI-018SI-SW-A4 SI-2080		1-ISI-SI-18 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04361-RI II-SI-018SI-SW-A5 SI-2080		1-ISI-SI-18 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04362-RI II-SI-018SI-SW-A6 SI-2080		1-ISI-SI-18 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04363-RI II-SI-018SI-SW-B3 SI-2080		1-ISI-SI-18 Piping Bend to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04364-RI II-SI-018SI-SW-C3 SI-2080		1-ISI-SI-18 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04365-RI II-SI-018SI-SW-D3 SI-2080		1-ISI-SI-18 Pipe to Coupling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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R-A R1.20 1	H-04366-RI II-SI-018SI-SW-E3 SI-2080		1-ISI-SI-18 Piping Bend to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04367-RI II-SI-018SI-SW-E6 SI-2080		1-ISI-SI-18 Piping Bend to Piping Bend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04368-RI II-SI-018SI-SW-F10 SI-2080		1-ISI-SI-18 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04369-RI II-SI-018SI-SW-F11 SI-2080		1-ISI-SI-18 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04370-RI II-SI-018SI-SW-F3 SI-2080		1-ISI-SI-18 Piping Bend to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04371-RI II-SI-018SI-SW-F4 SI-2080		1-ISI-SI-18 Elbow to Piping Bend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04372-RI II-SI-018SI-SW-F5 SI-2080		1-ISI-SI-18 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04373-RI II-SI-018SI-SW-F6 SI-2080		1-ISI-SI-18 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04374-RI II-SI-018SI-SW-F7 SI-2080		1-ISI-SI-18 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04375-RI II-SI-018SI-SW-F8 SI-2080		1-ISI-SI-18 Reducing Tee to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04376-RI II-SI-018SI-SW-F9 SI-2080		1-ISI-SI-18 Pipe to Reducing Tee	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04393-RI II-SI-019SI-FW-656 SI-2080		1-ISI-SI-19 S02 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04394-RI II-SI-019SI-FW-661 SI-2080		1-ISI-SI-19 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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R-A R1.20 1	H-04395-RI II-SI-019SI-FW-995 SI-2080		1-ISI-SI-19 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04396-RI II-SI-019SI-FW-996 SI-2080		1-ISI-SI-19 S02 Coupling to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04398-RI II-SI-019SI-FW-998 SI-2080		1-ISI-SI-19 S02 Pipe to Coupling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04400-RI II-SI-019SI-SW-A6 SI-2080		1-ISI-SI-19 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04401-RI II-SI-019SI-SW-A7 SI-2080		1-ISI-SI-19 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04404-RI II-SI-019SI-SW-B5 SI-2080	ISI / UT	1-ISI-SI-19 S02 Pipe to Coupling	<input type="checkbox"/>	s	<input type="checkbox"/>	
R-A R1.20 1	H-04405-RI II-SI-019SI-SW-C3 SI-2080	ISI / UT	1-ISI-SI-19 S02 Coupling to Pipe	<input type="checkbox"/>	s	<input type="checkbox"/>	
R-A R1.20 1	H-04406-RI II-SI-019SI-SW-C4 SI-2080	ISI / UT	1-ISI-SI-19 S02 Pipe to Elbow	s	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04407-RI II-SI-019SI-SW-E3 SI-2080	ISI / UT	1-ISI-SI-19 S02 Pipe to Elbow	s	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04408-RI II-SI-019SI-SW-E4 SI-2080	ISI / UT	1-ISI-SI-19 S02 Elbow to Pipe	<input type="checkbox"/>	s	<input type="checkbox"/>	
R-A R1.20 1	H-04409-RI II-SI-019SI-SW-E5 SI-2080	ISI / UT	1-ISI-SI-19 S02 Pipe to Reducing Tee	<input type="checkbox"/>	s	<input type="checkbox"/>	
R-A R1.20 1	H-04410-RI II-SI-019SI-SW-E6 SI-2080	ISI / UT	1-ISI-SI-19 S02 Reducing Tee to Pipe	<input type="checkbox"/>	s	<input type="checkbox"/>	
R-A R1.20 1	H-04411-RI II-SI-019SI-SW-E7 SI-2080	ISI / UT	1-ISI-SI-19 S02 Pipe to Elbow	<input type="checkbox"/>	s	<input type="checkbox"/>	

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R-A R1.20 1	H-04412-RI II-SI-019SI-SW-E8 SI-2080		1-ISI-SI-19 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04413-RI II-SI-019SI-SW-E9 SI-2080		1-ISI-SI-19 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04439-RI II-SI-020SI-FW-669 SI-2080		1-ISI-SI-20 S02 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04440-RI II-SI-020SI-FW-670 SI-2080		1-ISI-SI-20 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04441-RI II-SI-020SI-FW-973 SI-2080		1-ISI-SI-20 S02 Coupling to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04442-RI II-SI-020SI-FW-974 SI-2080		1-ISI-SI-20 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04446-RI II-SI-020SI-SW-B3 SI-2080		1-ISI-SI-20 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04447-RI II-SI-020SI-SW-C3 SI-2080		1-ISI-SI-20 S02 Pipe to Coupling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04448-RI II-SI-020SI-SW-D10 SI-2080		1-ISI-SI-20 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04449-RI II-SI-020SI-SW-D11 SI-2080		1-ISI-SI-20 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04450-RI II-SI-020SI-SW-D12 SI-2080		1-ISI-SI-20 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04451-RI II-SI-020SI-SW-D3 SI-2080		1-ISI-SI-20 S02 Pipe to Reducing Tee	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04452-RI II-SI-020SI-SW-D7 SI-2080		1-ISI-SI-20 S02 Reducing Tee to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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R-A R1.20 1	H-04453-RI II-SI-020SI-SW-D8 SI-2080		1-ISI-SI-20 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04454-RI II-SI-020SI-SW-D9 SI-2080		1-ISI-SI-20 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04467-RI II-SI-021RC-FW-300 RC-2005		1-ISI-SI-21 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04468-RI II-SI-021RC-SW-E3 RC-2005		1-ISI-SI-21 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04469-RI II-SI-021RC-SW-E4 RC-2005		1-ISI-SI-21 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04470-RI II-SI-021RC-SW-E5 RC-2005		1-ISI-SI-21 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04471-RI II-SI-021RC-SW-E6 RC-2005		1-ISI-SI-21 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04474-RI II-SI-021SI-FW-547 SI-2080		1-ISI-SI-21 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04475-RI II-SI-021SI-FW-548 SI-2080		1-ISI-SI-21 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04477-RI II-SI-021SI-FW-550 RC-2005		1-ISI-SI-21 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04492-RI II-SI-021SI-SW-C3 SI-2080		1-ISI-SI-21 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04493-RI II-SI-021SI-SW-C4 SI-2080		1-ISI-SI-21 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04494-RI II-SI-021SI-SW-D3 SI-2080		1-ISI-SI-21 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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R-A R1.20 1	H-04495-RI II-SI-021SI-SW-D4 SI-2080		1-ISI-SI-21 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04499-RI II-SI-022RC-FW-301 RC-2005		1-ISI-SI-22 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04500-RI II-SI-022RC-SW-E3 RC-2005		1-ISI-SI-22 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04501-RI II-SI-022RC-SW-E4 RC-2005		1-ISI-SI-22 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04502-RI II-SI-022RC-SW-E5 RC-2005		1-ISI-SI-22 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04503-RI II-SI-022RC-SW-E6 RC-2005		1-ISI-SI-22 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04506-RI II-SI-022SI-FW-551 SI-2080		1-ISI-SI-22 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04507-RI II-SI-022SI-FW-552 SI-2080		1-ISI-SI-22 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04509-RI II-SI-022SI-FW-554 RC-2005		1-ISI-SI-22 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04524-RI II-SI-022SI-SW-C3 SI-2080		1-ISI-SI-22 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04525-RI II-SI-022SI-SW-C4 SI-2080		1-ISI-SI-22 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04526-RI II-SI-022SI-SW-D3 SI-2080		1-ISI-SI-22 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04527-RI II-SI-022SI-SW-D4 SI-2080		1-ISI-SI-22 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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R-A R1.20 1	H-04531-RI II-SI-023RC-FW-299 RC-2005		1-ISI-SI-23 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04532-RI II-SI-023RC-SW-E3 RC-2005		1-ISI-SI-23 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04533-RI II-SI-023RC-SW-E4 RC-2005		1-ISI-SI-23 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04534-RI II-SI-023RC-SW-E5 RC-2005		1-ISI-SI-23 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04535-RI II-SI-023RC-SW-E6 RC-2005		1-ISI-SI-23 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04544-RI II-SI-023SI-FW-612 SI-2080	ISI / UT	1-ISI-SI-23 Valve to Pipe	<input type="checkbox"/>	s	<input type="checkbox"/>	
R-A R1.20 1	H-04545-RI II-SI-023SI-FW-613 SI-2080		1-ISI-SI-23 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04546-RI II-SI-023SI-FW-614 SI-2080		1-ISI-SI-23 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04554-RI II-SI-023SI-SW-C3 SI-2080		1-ISI-SI-23 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04555-RI II-SI-023SI-SW-C4 SI-2080		1-ISI-SI-23 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04557-RI II-SI-023SI-SW-D4 SI-2080		1-ISI-SI-23 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04558-RI II-SI-023SI-SW-D5 SI-2080		1-ISI-SI-23 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04559-RI II-SI-023SI-SW-D6 SI-2080		1-ISI-SI-23 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



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R-A R1.20 1	H-04560-RI II-SI-023SI-SW-D7 SI-2080		1-ISI-SI-23 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04566-RI II-SI-024SI-213-FW-573 SI-2085		1-ISI-SI-24 S02 Piping Bend to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-04569-RI II-SI-024SI-FW-571 SI-2085		1-ISI-SI-24 S01 Piping Bend to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-04570-RI II-SI-024SI-FW-572 SI-2085		1-ISI-SI-24 S01 Pipe to Piping Bend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04571-RI II-SI-024SI-FW-585 SI-2080		1-ISI-SI-24 S02 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04572-RI II-SI-024SI-FW-586 SI-2080		1-ISI-SI-24 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04576-RI II-SI-024SI-SW-B12 SI-2080		1-ISI-SI-24 S02 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04577-RI II-SI-024SI-SW-B3 SI-2080		1-ISI-SI-24 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04578-RI II-SI-024SI-SW-B4 SI-2080		1-ISI-SI-24 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04579-RI II-SI-024SI-SW-B5 SI-2080		1-ISI-SI-24 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04583-RI II-SI-024SI-SW-C3 SI-2080		1-ISI-SI-24 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04584-RI II-SI-024SI-SW-C4 SI-2080		1-ISI-SI-24 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04585-RI II-SI-024SI-SW-C5 SI-2080		1-ISI-SI-24 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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R-A R1.20 1	H-04586-RI II-SI-024SI-SW-C6 SI-2080		1-ISI-SI-24 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-04588-RI II-SI-024SI-SW-D3 SI-2085		1-ISI-SI-24 S01 Elbow to Piping Bend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-04589-RI II-SI-024SI-SW-D4 SI-2085		1-ISI-SI-24 S01 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-04590-RI II-SI-024SI-SW-D5 SI-2085		1-ISI-SI-24 S01 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-04591-RI II-SI-024SI-SW-E5 SI-2085		1-ISI-SI-24 S01 Piping Bend to Piping Bend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-04592-RI II-SI-024SI-SW-F10 SI-2085		1-ISI-SI-24 S01 Piping Bend to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-04593-RI II-SI-024SI-SW-F6 SI-2085		1-ISI-SI-24 S01 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-04599-RI II-SI-025SI-215-FW-573 SI-2085		1-ISI-SI-25 S01 Elbow to Piping Bend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04604-RI II-SI-025SI-FW-538 SI-2085		1-ISI-SI-25 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04605-RI II-SI-025SI-FW-539 SI-2080		1-ISI-SI-25 S02 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-04606-RI II-SI-025SI-FW-574 SI-2085		1-ISI-SI-25 S01 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-04607-RI II-SI-025SI-FW-575 SI-2085		1-ISI-SI-25 S01 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-04608-RI II-SI-025SI-FW-576 SI-2085		1-ISI-SI-25 S01 Flued Head to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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R-A	H-04609-RI		1-ISI-SI-25 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-025SI-FW-577		Reducing Tee to Pipe				
2	SI-2085						
R-A	H-04610-RI		1-ISI-SI-25 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-025SI-FW-578		Piping Bend to Valve				
2	SI-2085						
R-A	H-04611-RI		1-ISI-SI-25 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-025SI-FW-579		Valve to Piping Bend				
2	SI-2085						
R-A	H-04612-RI		1-ISI-SI-25 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-025SI-FW-580		Valve to Pipe				
2	SI-2085						
R-A	H-04613-RI		1-ISI-SI-25 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-025SI-FW-583		Tee to Pipe				
2	SI-2085						
R-A	H-04614-RI		1-ISI-SI-25 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-025SI-FW-584		Piping Bend to Valve				
2	SI-2085						
R-A	H-04616-RI		1-ISI-SI-25 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-025SI-M13-PW-1		Flued Head to Pipe				
2	SI-2085						
R-A	H-04617-RI		1-ISI-SI-25 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-025SI-SW-A3		Pipe to Elbow				
2	SI-2085						
R-A	H-04618-RI		1-ISI-SI-25 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-025SI-SW-A4		Elbow to Pipe				
2	SI-2085						
R-A	H-04619-RI		1-ISI-SI-25 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-025SI-SW-A5		Pipe to Elbow				
2	SI-2085						
R-A	H-04620-RI		1-ISI-SI-25 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-025SI-SW-A6		Flange to Pipe				
2	SI-2085						
R-A	H-04621-RI		1-ISI-SI-25 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-025SI-SW-B3		Pipe to Flange				
2	SI-2085						
R-A	H-04622-RI		1-ISI-SI-25 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-025SI-SW-B4		Reducing Tee to Pipe				
2	SI-2085						

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R-A R1.20 2	H-04623-RI II-SI-025SI-SW-B5 SI-2085		1-ISI-SI-25 S01 Pipe to Reducing Tee	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-04624-RI II-SI-025SI-SW-D3 SI-2085	ISI / UT	1-ISI-SI-25 S01 Pipe to Elbow	<input type="checkbox"/>	s	<input type="checkbox"/>	
R-A R1.20 2	H-04625-RI II-SI-025SI-SW-D4 SI-2085	ISI / UT	1-ISI-SI-25 S01 Elbow to Pipe	<input type="checkbox"/>	s	<input type="checkbox"/>	
R-A R1.20 2	H-04626-RI II-SI-025SI-SW-D5 SI-2085	ISI / UT	1-ISI-SI-25 S01 Pipe to Elbow	<input type="checkbox"/>	s	<input type="checkbox"/>	
R-A R1.20 2	H-04627-RI II-SI-025SI-SW-D6 SI-2085	ISI / UT	1-ISI-SI-25 S01 Elbow to Pipe	<input type="checkbox"/>	s	<input type="checkbox"/>	
R-A R1.20 2	H-04628-RI II-SI-025SI-SW-D7 SI-2085	ISI / UT	1-ISI-SI-25 S01 Pipe to Elbow	<input type="checkbox"/>	s	<input type="checkbox"/>	
R-A R1.20 2	H-04629-RI II-SI-025SI-SW-D8 SI-2085	ISI / UT	1-ISI-SI-25 S01 Elbow to Piping Bend	<input type="checkbox"/>	s	<input type="checkbox"/>	
R-A R1.20 2	H-04630-RI II-SI-025SI-SW-E3 SI-2085		1-ISI-SI-25 S02 Piping Bend to Tee	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-04631-RI II-SI-025SI-SW-E4 SI-2085		1-ISI-SI-25 S02 Pipe to Tee	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-04632-RI II-SI-025SI-SW-F3 SI-2085		1-ISI-SI-25 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-04633-RI II-SI-025SI-SW-F4 SI-2085		1-ISI-SI-25 S02 Elbow to Piping Bend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-04634-RI II-SI-025SI-SW-F5 SI-2085		1-ISI-SI-25 S02 Piping Bend to Flange	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-04635-RI II-SI-025SI-SW-G3 SI-2085		1-ISI-SI-25 S02 Flange to Piping Bend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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R-A R1.20 1	H-04636-RI II-SI-025SI-SW-H3 SI-2080		1-ISI-SI-25 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04637-RI II-SI-025SI-SW-H4 SI-2080		1-ISI-SI-25 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04642-RI II-SI-025SI-SW-I5 SI-2080		1-ISI-SI-25 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04643-RI II-SI-025SI-SW-I6 SI-2080		1-ISI-SI-25 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04644-RI II-SI-025SI-SW-I7 SI-2080		1-ISI-SI-25 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04645-RI II-SI-025SI-SW-I8 SI-2080		1-ISI-SI-25 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04646-RI II-SI-025SI-SW-I9 SI-2080		1-ISI-SI-25 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04654-RI II-SI-026SI-155-1-SW-1 SI-2080		1-ISI-SI-26 S02 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04655-RI II-SI-026SI-155-1-SW-2 SI-2080		1-ISI-SI-26 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04660-RI II-SI-026SI-FW-545 SI-2080		1-ISI-SI-26 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04661-RI II-SI-026SI-FW-546 SI-2080		1-ISI-SI-26 S02 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-04662-RI II-SI-026SI-FW-581 SI-2080		1-ISI-SI-26 S01 Pipe to Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-04663-RI II-SI-026SI-FW-582 SI-2080		1-ISI-SI-26 S01 Tee to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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R-A	H-04664-RI		1-ISI-SI-26 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-026SI-FW-589		Elbow to Pipe				
2	SI-2080						
R-A	H-04665-RI		1-ISI-SI-26 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-026SI-FW-590		Valve to Pipe				
2	SI-2080						
R-A	H-04666-RI		1-ISI-SI-26 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-026SI-FW-591		Pipe to Valve				
2	SI-2080						
R-A	H-04667-RI		1-ISI-SI-26 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-026SI-FW-592		Flued Head to Pipe				
2	SI-2080						
R-A	H-04668-RI		1-ISI-SI-26 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-026SI-FW-593		Piping Bend to Piping Bend				
2	SI-2080						
R-A	H-04669-RI		1-ISI-SI-26 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-026SI-FW-594		Piping Bend to Valve				
2	SI-2080						
R-A	H-04671-RI		1-ISI-SI-26 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-026SI-M14-PW-1		Flued Head to Pipe				
2	SI-2080						
R-A	H-04672-RI		1-ISI-SI-26 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-026SI-SW-B3		Elbow to Pipe				
1	SI-2080						
R-A	H-04673-RI		1-ISI-SI-26 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-026SI-SW-B4		Pipe to Elbow				
1	SI-2080						
R-A	H-04674-RI		1-ISI-SI-26 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-026SI-SW-B5		Elbow to Pipe				
1	SI-2080						
R-A	H-04676-RI		1-ISI-SI-26 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-026SI-SW-C3		Elbow to Pipe				
1	SI-2080						
R-A	H-04677-RI		1-ISI-SI-26 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-026SI-SW-C4		Pipe to Elbow				
1	SI-2080						
R-A	H-04678-RI		1-ISI-SI-26 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-026SI-SW-C5		Elbow to Pipe				
1	SI-2080						

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R-A	H-04680-RI		1-ISI-SI-26 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-026SI-SW-D6		Piping Bend to Piping Bend				
2	SI-2080						
R-A	H-04681-RI		1-ISI-SI-26 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-026SI-SW-E10		Pipe to Piping Bend				
2	SI-2080						
R-A	H-04682-RI		1-ISI-SI-26 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-026SI-SW-E5		Piping Bend to Piping Bend				
2	SI-2080						
R-A	H-04683-RI		1-ISI-SI-26 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-026SI-SW-F3		Pipe to Elbow				
2	SI-2080						
R-A	H-04684-RI		1-ISI-SI-26 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-026SI-SW-F4		Elbow to Pipe				
2	SI-2080						
R-A	H-04685-RI		1-ISI-SI-26 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-026SI-SW-F5		Pipe to Elbow				
2	SI-2080						
R-A	H-04686-RI		1-ISI-SI-26 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-026SI-SW-F6		Reducing Flange to Pipe				
2	SI-2080						
R-A	H-04687-RI		1-ISI-SI-26 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-026SI-SW-G3		Pipe to Reducing Flange				
2	SI-2080						
R-A	H-04688-RI		1-ISI-SI-26 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-026SI-SW-G4		Tee, Reducing to Pipe				
2	SI-2080						
R-A	H-04689-RI		1-ISI-SI-26 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-026SI-SW-G5		Pipe to Reducing Tee				
2	SI-2080						
R-A	H-04690-RI		1-ISI-SI-26 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-026SI-SW-H3		Elbow to Pipe				
2	SI-2080						
R-A	H-04691-RI		1-ISI-SI-26 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-026SI-SW-H4		Pipe to Elbow				
2	SI-2080						
R-A	H-04692-RI		1-ISI-SI-26 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-026SI-SW-H5		Elbow to Pipe				
2	SI-2080						

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R-A	H-04693-RI		1-ISI-SI-26 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-026SI-SW-H6		Pipe to Elbow				
2	SI-2080						
R-A	H-04694-RI		1-ISI-SI-26 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-026SI-SW-H7		Elbow to Pipe				
2	SI-2080						
R-A	H-04695-RI		1-ISI-SI-26 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-026SI-SW-H8		Pipe to Elbow				
2	SI-2080						
R-A	H-04698-RI		1-ISI-SI-27 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-027RC-FW-298		Pipe to Nozzle				
1	RC-2005						
R-A	H-04703-RI		1-ISI-SI-27 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-027SI-FW-540		Elbow to Pipe				
2	SI-2080						
R-A	H-04710-RI		1-ISI-SI-27 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-027SI-FW-602		Valve to Piping Bend				
1	SI-2080						
R-A	H-04711-RI		1-ISI-SI-27 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-027SI-FW-603		Elbow to Pipe				
1	SI-2080						
R-A	H-04717-RI		1-ISI-SI-27 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-027SI-FW-985		Valve to Pipe				
1	SI-2080						
R-A	H-04718-RI		1-ISI-SI-27 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-027SI-FW-986		Pipe to Sockolet				
1	SI-2080						
R-A	H-04722-RI		1-ISI-SI-27 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-027SI-SW-C3		Pipe to Elbow				
1	SI-2080						
R-A	H-04723-RI		1-ISI-SI-27 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-027SI-SW-C4		Elbow to Pipe				
1	SI-2080						
R-A	H-04724-RI		1-ISI-SI-27 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-027SI-SW-C5		Pipe to Elbow				
1	SI-2080						
R-A	H-04725-RI		1-ISI-SI-27 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-027SI-SW-D3		Pipe to Elbow				
1	SI-2080						



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				1	2	3	
R-A R1.20 1	H-04726-RI II-SI-027SI-SW-D4 SI-2080		1-ISI-SI-27 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04727-RI II-SI-027SI-SW-D5 SI-2080		1-ISI-SI-27 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04728-RI II-SI-027SI-SW-D6 SI-2080		1-ISI-SI-27 S02 Piping Bend to Sockolet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04729-RI II-SI-027SI-SW-D7 SI-2080		1-ISI-SI-27 S02 Piping Bend to Sockolet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04730-RI II-SI-027SI-SW-E6 SI-2080		1-ISI-SI-27 S01 Pipe to Reducing Tee	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04731-RI II-SI-027SI-SW-E7 SI-2080		1-ISI-SI-27 S01 Reducing Tee to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04732-RI II-SI-027SI-SW-E8 SI-2080		1-ISI-SI-27 S01 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04733-RI II-SI-027SI-SW-E9 SI-2080		1-ISI-SI-27 S01 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04750-RI II-SI-028RC-FW-296 RC-2005		1-ISI-SI-28 S02 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04757-RI II-SI-028SI-FW-533 SI-2080		1-ISI-SI-28 S02 Elbow to Piping Bend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04760-RI II-SI-028SI-FW-595 SI-2080		1-ISI-SI-28 S01 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04761-RI II-SI-028SI-FW-596 SI-2080		1-ISI-SI-28 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04775-RI II-SI-028SI-SW-C3 SI-2080		1-ISI-SI-28 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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R-A R1.20 1	H-04776-RI II-SI-028SI-SW-C4 SI-2080		1-ISI-SI-28 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04777-RI II-SI-028SI-SW-C5 SI-2080		1-ISI-SI-28 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04778-RI II-SI-028SI-SW-C6 SI-2080		1-ISI-SI-28 S01 Pipe to Sockolet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04779-RI II-SI-028SI-SW-C8 SI-2080		1-ISI-SI-28 S01 Pipe to Sockolet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04780-RI II-SI-028SI-SW-D3 SI-2080		1-ISI-SI-28 S02 Piping Bend to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04781-RI II-SI-028SI-SW-D4 SI-2080		1-ISI-SI-28 S02 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04782-RI II-SI-028SI-SW-D5 SI-2080		1-ISI-SI-28 S02 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04783-RI II-SI-028SI-SW-D7 SI-2080		1-ISI-SI-28 S02 Pipe to Piping Bend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04784-RI II-SI-028SI-SW-D8 SI-2080		1-ISI-SI-28 S02 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04786-RI II-SI-029SI-248-1-SW-1 SI-2080		1-ISI-SI-29 S02 Piping Bend to Reducing Tee	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04787-RI II-SI-029SI-248-1-SW-2 SI-2080		1-ISI-SI-29 S02 Reducing Tee to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04800-RI II-SI-029SI-FW-939 SI-2080		1-ISI-SI-29 S01 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04801-RI II-SI-029SI-FW-940 SI-2080		1-ISI-SI-29 S01 Pipe to Sockolet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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R-A	H-04802-RI		1-ISI-SI-29 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-029SI-FW-998		Valve to Piping Bend				
1	SI-2080						
R-A	H-04803-RI		1-ISI-SI-29 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-029SI-FW-999		Pipe to Sockolet				
1	SI-2080						
R-A	H-04805-RI		1-ISI-SI-29 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-029SI-SW-A3		Elbow to Pipe				
1	SI-2080						
R-A	H-04806-RI		1-ISI-SI-29 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-029SI-SW-A4		Pipe to Elbow				
1	SI-2080						
R-A	H-04807-RI		1-ISI-SI-29 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-029SI-SW-A5		Elbow to Pipe				
1	SI-2080						
R-A	H-04808-RI		1-ISI-SI-29 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-029SI-SW-A6		Pipe to Elbow				
1	SI-2080						
R-A	H-04809-RI		1-ISI-SI-29 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-029SI-SW-B5		Tee to Reducer				
1	SI-2080						
R-A	H-04810-RI		1-ISI-SI-29 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-029SI-SW-B6		Pipe to Tee				
1	SI-2080						
R-A	H-04811-RI		1-ISI-SI-29 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-029SI-SW-B7		Tee to Pipe				
1	SI-2080						
R-A	H-04841-RI		1-ISI-SI-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-030SI-FW-993		Valve to Pipe				
1	SI-2080						
R-A	H-04842-RI		1-ISI-SI-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-030SI-FW-994		Pipe to Sockolet				
1	SI-2080						
R-A	H-04843-RI		1-ISI-SI-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-030SI-SW-A3		Pipe to Elbow				
1	SI-2080						
R-A	H-04844-RI		1-ISI-SI-30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-SI-030SI-SW-A4		Elbow to Pipe				
1	SI-2080						

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R-A R1.20 1	H-04845-RI II-SI-030SI-SW-A5 SI-2080		1-ISI-SI-30 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04846-RI II-SI-030SI-SW-A6 SI-2080		1-ISI-SI-30 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04887-RI II-SI-032SI-FW-991 SI-2080		1-ISI-SI-32 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04888-RI II-SI-032SI-FW-992 SI-2080		1-ISI-SI-32 Pipe to Sockolet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04889-RI II-SI-032SI-SW-A3 SI-2080		1-ISI-SI-32 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-04890-RI II-SI-032SI-SW-A4 SI-2080		1-ISI-SI-32 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-06570-RI II-FW-MS-RC-01RC-2-FW-4 RC-2005		1-ISI-RC-1 Sockolet to Cap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-06571-RI II-FW-MS-RC-02RC-2-FW-2-1 RC-2005		1-ISI-RC-2 SG Safe-End to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-06572-RI II-FW-MS-RC-02RC-2-FW-3-1 RC-2005		1-ISI-RC-2 SG Nozzle to SG Safe-End	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-06573-RI II-FW-MS-RC-02RC-2-FW-4 RC-2005		1-ISI-RC-2 Sockolet to Cap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-06574-RI II-FW-MS-RC-03RC-2-FW-4 RC-2005		1-ISI-RC-3 Sockolet to Cap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-06575-RI II-FW-MS-RC-03RC-3-FW-2-1 RC-2005		1-ISI-RC-3 Safe-End to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-06576-RI II-FW-MS-RC-03RC-3-FW-3-1 RC-2005		1-ISI-RC-3 Nozzle to Safe-End	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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R-A R1.20 2	H-10556-RI II-FW-001FW-FW-509 FW-3050		1-ISI-FW-1 S01 Valve 1FW-159 to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-10557-RI II-FW-001FW-FW-501 FW-3050	ISI / UT	1-ISI-FW-1 S02 Valve 1FW-277 to Pipe	<input type="checkbox"/>	s	<input type="checkbox"/>	
R-A R1.20 2	H-10558-RI II-FW-001FW-FW-505 FW-3050	ISI / UT	1-ISI-FW-1 S03 Valve to Pipe	<input type="checkbox"/>	s	<input type="checkbox"/>	
R-A R1.20 2	H-10559-RI II-MS-002MS-FW-693 MS-3020		1-ISI-MS-2 S01 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-10560-RI II-MS-002MS--SW-A3 MS-3020		1-ISI-MS-2 S01 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-10561-RI 5-RC-1-1-SW-3 RC-2005		1-ISI-RC-1 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-10562-RI 5-RC-1-1-SW-4 RC-2005		1-ISI-RC-1 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-10563-RI 5-RC-1-1-SW-5 RC-2005		1-ISI-RC-1 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-10564-RI 5-RC-1-1-SW-6 RC-2005		1-ISI-RC-1 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-10565-RI 5-RC-1-5-SW-7 RC-2005		1-ISI-RC-1 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-10566-RI 5-RC-1-5-SW-8 RC-2005		1-ISI-RC-1 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-10567-RI 1-RC-SW-L7 RC-2005		1-ISI-RC-1 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-10568-RI 5-RC-2-1-SW-1 RC-2005		1-ISI-RC-2 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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R-A R1.20 1	H-10569-RI 5-RC-2-1-SW-2 RC-2005		1-ISI-RC-2 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-10570-RI 5-RC-2-1-SW-3 RC-2005		1-ISI-RC-2 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-10571-RI 1-RC-SW-K14 RC-2005		1-ISI-RC-2 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-10572-RI 5-RC-2-02-FW-5 RC-2005		1-ISI-RC-2 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-10573-RI 5-RC-2-5-SW-2 RC-2005		1-ISI-RC-2 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-10574-RI 5-RC-2-5-SW-1 RC-2005		1-ISI-RC-2 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-10575-RI 5-RC-3-5-SW-2 RC-2005		1-ISI-RC-3 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-10576-RI 5-RC-3-5-SW-1 RC-2005		1-ISI-RC-3 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-10577-RI 5-RC-3-02-FW-5 RC-2005		1-ISI-RC-3 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-10578-RI 5-RC-3-1-SW-1 RC-2005		1-ISI-RC-3 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-10579-RI 5-RC-3-1-SW-3 RC-2005		1-ISI-RC-3 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-10580-RI 5-RC-3-1-SW-4 RC-2005		1-ISI-RC-3 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-10581-RI 5-RC-3-1-SW-5 RC-2005		1-ISI-RC-3 Pipe to Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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R-A R1.20 1	H-10935-RI II-RC-025RC-SW-B3 RC-2005		1-ISI-RC-25 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-10980-RI II-MS-001MS-SW-C5 MS-3020		1-ISI-MS-01 S01 Pipe to Pipe Cap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 NNS	H-10982-RI II-MS-001MS-SW-D1 MS-3020		1-ISI-MS-01 S03 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 NNS	H-10983-RI II-MS-001MS-SW-E1 MS-3020		1-ISI-MS-01 S03 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 NNS	H-10984-RI II-MS-001MS-SW-F1 MS-3020		1-ISI-MS-01 S02 Pipe to Elbow 32"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 NNS	H-10985-RI II-MS-001MS-SW-G1 MS-3020		1-ISI-MS-01 S02 Pipe to Pipe 32"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 NNS	H-10986-RI II-MS-001MS-SW-G2 MS-3020		1-ISI-MS-01 S02 Pipe to Pipe 32"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 NNS	H-10987-RI II-MS-001MS-SW-H1 MS-3020		1-ISI-MS-01 S01 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 NNS	H-10988-RI II-MS-001MS-SW-I1 MS-3020		1-ISI-MS-01 S01 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 NNS	H-10989-RI II-MS-001MS-SW-J1 MS-3020		1-ISI-MS-01 S03 Pipe to Pipe Cap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 NNS	H-10990-RI II-MS-001MS-SW-J12 MS-3020		1-ISI-MS-01 S02 Pipe to Pipe Cap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 NNS	H-10991-RI II-MS-001MS-SW-J2 MS-3020		1-ISI-MS-01 S01 50" Pipe to Pipe Cap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 NNS	H-10992-RI II-MS-001MS-SW-K1 MS-3020		1-ISI-MS-01 S02 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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R-A	H-10993-RI		1-ISI-MS-01 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-MS-001MS-SW-M1		44" Pipe to Pipe				
NNS	MS-3020						
R-A	H-10994-RI		1-ISI-FW-1 S03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-FW-001FW-FW-496		Elbow to Pipe				
NNS	FW-3050						
R-A	H-10995-RI		1-ISI-FW-1 S03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-FW-001FW-FW-497		Pipe to Pipe				
NNS	FW-3050						
R-A	H-11011-RI		1-ISI-FW-1 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-FW-001FW-36-2-SW-6		Pipe to Pipe				
NNS	FW-3050						
R-A	H-11012-RI		1-ISI-FW-1 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-FW-001FW-36-2-SW-7		Pipe to Branch				
NNS	FW-3050						
R-A	H-11013-RI		1-ISI-FW-1 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-FW-001FW-FW-469		Pipe to Valve				
NNS	FW-3050						
R-A	H-11014-RI		1-ISI-FW-1 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-FW-001FW-FW-473		Pipe to Valve				
NNS	FW-3050						
R-A	H-11015-RI		1-ISI-FW-1 S03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-FW-001FW-FW-476		Pipe to Valve				
NNS	FW-3050						
R-A	H-11016-RI		1-ISI-FW-1 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-FW-001FW-FW-488		Pipe to Pipe				
NNS	FW-3050						
R-A	H-11017-RI		1-ISI-FW-1 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-FW-001FW-FW-489		Pipe to Pipe				
NNS	FW-3050						
R-A	H-11018-RI		1-ISI-FW-1 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-FW-001FW-FW-493		Pipe to Pipe				
NNS	FW-3050						
R-A	H-11019-RI		1-ISI-FW-1 S01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-FW-001FW-FW-4494		Elbow to Pipe				
NNS	FW-3050						
R-A	H-11020-RI		1-ISI-FW-1 S02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-FW-001FW-SW-K8		Elbow to Pipe				
NNS	FW-3050						



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R-A	H-11021-RI		1-ISI-FW-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-FW-003FW-36-3-SW-10		Elbow to Pipe				
NNS	FW-3050						
R-A	H-11022-RI		1-ISI-FW-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-FW-003FW-36-3-SW-11		Pipe to Elbow				
NNS	FW-3050						
R-A	H-11023-RI		1-ISI-FW-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-FW-003FW-36-3-SW-12		Elbow to Pipe				
NNS	FW-3050						
R-A	H-11024-RI		1-ISI-FW-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-FW-003FW-36-3-SW-13		Pipe to Elbow				
NNS	FW-3050						
R-A	H-11025-RI		1-ISI-FW-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-FW-003FW-36-3-SW-14		Elbow to Pipe				
NNS	FW-3050						
R-A	H-11026-RI		1-ISI-FW-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-FW-003FW-36-3-SW-2		Elbow to Pipe				
NNS	FW-3050						
R-A	H-11027-RI		1-ISI-FW-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-FW-003FW-36-3-SW-3		Pipe to Elbow				
NNS	FW-3050						
R-A	H-11028-RI		1-ISI-FW-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-FW-003FW-36-3-SW-4		Elbow to Pipe				
NNS	FW-3050						
R-A	H-11029-RI		1-ISI-FW-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-FW-003FW-36-3-SW-5		Pipe to Elbow				
NNS	FW-3050						
R-A	H-11030-RI		1-ISI-FW-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-FW-003FW-36-3-SW-6		Elbow to Pipe				
NNS	FW-3050						
R-A	H-11031-RI		1-ISI-FW-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-FW-003FW-36-3-SW-7		Pipe to Elbow				
NNS	FW-3050						
R-A	H-11032-RI		1-ISI-FW-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-FW-003FW-36-3-SW-8		Elbow to Pipe				
NNS	FW-3050						
R-A	H-11033-RI		1-ISI-FW-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R1.20	II-FW-003FW-36-3-SW-9		Pipe to Elbow				
NNS	FW-3050						

## Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
R-A R1.20 NNS	H-11034-RI II-FW-003FW-36-FW-478 FW-3050		1-ISI-FW-3 Branch to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 NNS	H-11035-RI II-FW-003FW-36-FW-490 FW-3050		1-ISI-FW-3 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 NNS	H-11036-RI II-FW-003FW-36-FW-491 FW-3050		1-ISI-FW-3 Pipe to Pipe Cap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 NNS	H-11037-RI II-FW-003FW-36-FW-499 FW-3050		1-ISI-FW-3 Pipe to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 NNS	H-11038-RI II-FW-003FW-36-FW-500 FW-3050		1-ISI-FW-3 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 NNS	H-11039-RI II-FW-003FW-36-FW-492 FW-3050		1-ISI-FW-3 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 NNS	H-11040-RI II-MS-001MS-64-1-MW-1 MS-3020		1-ISI-MS-1 S03 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 NNS	H-11041-RI II-MS-001MS-64-1-MW-2 MS-3020		1-ISI-MS-1 S01 50" Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 NNS	H-11042-RI II-MS-001MS-FW-256 MS-3020	ISI / UT	1-ISI-MS-1 S01 Elbow to Pipe	<input type="checkbox"/>	s	<input type="checkbox"/>	
R-A R1.20 NNS	H-11043-RI II-MS-001MS-FW-257 MS-3020	ISI / UT	1-ISI-MS-1 S01 Pipe to Branch	<input type="checkbox"/>	s	<input type="checkbox"/>	
R-A R1.20 NNS	H-11044-RI II-MS-001MS-FW-258 MS-3020	ISI / UT	1-ISI-MS-1 S02 Pipe to Branch	<input type="checkbox"/>	s	<input type="checkbox"/>	
R-A R1.20 NNS	H-11045-RI II-MS-001MS-FW-259 MS-3020	ISI / UT	1-ISI-MS-1 S01 Pipe to Branch	<input type="checkbox"/>	s	<input type="checkbox"/>	
R-A R1.20 NNS	H-11046-RI II-MS-001MS-FW-260 MS-3020	ISI / UT	1-ISI-MS-1 S01 Elbow to Pipe 32"	<input type="checkbox"/>	s	<input type="checkbox"/>	

## Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
R-A R1.20 NNS	H-11047-RI II-MS-001MS-FW-261 MS-3020	ISI / UT	1-ISI-MS-1 S02 Pipe to Branch	<input type="checkbox"/>	s	<input type="checkbox"/>	
R-A R1.20 NNS	H-11048-RI II-MS-001MS-FW-262 MS-3020	ISI / UT	1-ISI-MS-1 S03 Pipe to Branch	<input type="checkbox"/>	s	<input type="checkbox"/>	
R-A R1.20 NNS	H-11049-RI II-MS-001MS-FW-263 MS-3020	ISI / UT	1-ISI-MS-1 S03 Elbow to Pipe	<input type="checkbox"/>	s	<input type="checkbox"/>	
R-A R1.20 NNS	H-11050-RI II-MS-001MS-FW-282 MS-3020	ISI / UT	1-ISI-MS-1 S03 Valve to Pipe	<input type="checkbox"/>	s	<input type="checkbox"/>	
R-A R1.20 NNS	H-11051-RI II-MS-001MS-FW-287 MS-3020		1-ISI-MS-1 S02 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 NNS	H-11052-RI II-MS-001MS-FW-303 MS-3020		1-ISI-MS-1 S01 Valve to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 NNS	H-11054-RI II-MS-001MS-SW-A30 MS-3020		1-ISI-MS-1 S03 Pipe Extrusion to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-11055-RI II-MS-001MS-SW-A5 MS-3020		1-ISI-MS-1 S03 Pipe to Pipe Cap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 2	H-11058-RI II-MS-001MS-SW-B5 MS-3020		1-ISI-MS-1 S02 Pipe to Pipe Cap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
R-A R1.20 1	H-11140-RI II-RC-024RC-FW-319 RC-2005		1-ISI-RC-24 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3rd Interval ASME Item No H-03109-RI. New Summary number in fourth Interval
R-A R1.20 1	H-11141-RI II-RC-025RC-SW-A8 RC-2005		1-ISI-RC-25 Pipe to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3rd Interval ASME Item No H-03131-RI. New summary number in fourth
R-A R1.20 1	H-11142-RI II-RC-027RC-SW-A3 RC-2005		1-ISI-RC-27 Piping Bend to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3rd Interval ASME Item No H-03147-RI. New summary number in fourth Interval

# Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
R-A R1.20 1	H-11143-RI II-RC-027RC-SW-B4 RC-2005		1-ISI-RC-27 Piping Bend to Elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3rd Interval ASME Item No H-03157-RI. New Summary number in fourth Interval
R-A R1.20 1	H-11144-RI II-RC-027RC-SW-C10 RC-2005		1-ISI-RC-27 Elbow to Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3rd Interval ASME Item No H-03163-RI. New summary number in fourth Interval.
R-A RI.31.20 2	H-11071-RI II-SG-001SGA-STHW-02-1 RC-3005	ISI / UT	1-ISI-SG-1 Shell to Head Weld	<input type="checkbox"/>	s	<input type="checkbox"/>	New SG. Baseline performed RF-10.
R-A RI.31.20 2	H-11072-RI II-SG-001SGB-STHW-02-1 RC-3005		1-ISI-SG-2 Shell to Head Weld	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	New SG. Baseline performed RF-10
R-A RI.31.20 2	H-11073-RI II-SG-001SGC-STHW-02-1 RC-3005		1-ISI-SG-3 Shell to Head Weld	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	New SG. Baseline performed RF-10
R-A RI.31.30 2	H-11074-RI II-SG-001SGA-TSTSW-09-1 RC-3005	ISI / UT	1-ISI-SG-1 Tube Sheet to Shell Weld	<input type="checkbox"/>	<input type="checkbox"/>	s	New SG. Baseline performed RF-10.
R-A RI.31.30 2	H-11075-RI II-SG-001SGB-TSTSW-09-1 RC-3005		1-ISI-SG-2 Tube Sheet to Shell Weld	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	New SG. Baseline performed RF-10
R-A RI.31.30 2	H-11076-RI II-SG-001SGC-TSTSW-09-1 RC-3005		1-ISI-SG-3 Tube Sheet to Shell Weld	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	New SG. Baseline performed RF-10
R-A RI.32.21 2	H-11077-RI II-SG-001SGA-AFWNTSW-11-1 RC-3005		1-ISI-SG-1 S/G "A" AFW Nozzle to Shell Weld	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	New SG. Baseline performed in RF-10
R-A RI.32.21 2	H-11078-RI II-SG-001SGA-FWNTSW-05-1 RC-3005		1-ISI-SG-1 FW Nozzle to Shell Weld	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	New SG. Baseline performed in RF-10
R-A RI.32.21 2	H-11079-RI II-SG-001SGB-AFWNTSW-11-1 RC-3005	ISI / UT	1-ISI-SG-2 S/G "B" AFW Nozzle to Shell Weld	s	<input type="checkbox"/>	<input type="checkbox"/>	New SG. Baseline performed RF-10
R-A RI.32.21 2	H-11080-RI II-SG-001SGB-FWNTSW-05-1 RC-3005	ISI / UT	1-ISI-SG-2 FW Nozzle to Shell Weld	<input type="checkbox"/>	s	<input type="checkbox"/>	New SG. Baseline performed RF-10

# Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary CompID System	Scope / Method	Isometric Drawing Component Description Code Case/Relief Request	Period			Comments
				1	2	3	
R-A RI.32.21 2	H-11081-RI II-SG-001SGC-AFWNTSW-11-1 RC-3005		1-ISI-SG-3 S/G "C" AFW Nozzle to Shell Weld	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	New SG. Baseline performed RF-10
R-A RI.32.21 2	H-11082-RI II-SG-001SGC-FWNTSW-05-1 RC-3005		1-ISI-SG-3 FW Nozzle to Shell Weld	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	New SG. Baseline performed RF-10
R-A RI.32.22 2	H-11083-RI II-SG-001SGA-FWNIR-05-1 RC-3005		1-ISI-SG-1 FW Nozzle Inside Radius Section	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	New SG. Baseline performed in RF-10
R-A RI.32.22 2	H-11084-RI II-SG-001SGB-FWNIR-05-1 RC-3005	ISI / UT	1-ISI-SG-2 FW Nozzle Inside Radius Section	<input type="checkbox"/>	<input type="checkbox"/>	s <input type="checkbox"/>	New SG. Baseline performed RF-10
R-A RI.32.22 2	H-11085-RI II-SG-001SGC-FWNIR-05-1 RC-3005		1-ISI-SG-3 FW Nozzle Inside Radius Section	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	New SG. Baseline performed RF-10

**SERIAL HNP-17-025**

**ENCLOSURE 3**

**APPLICABLE PORTIONS OF AUGMENTED INSERVICE INSPECTION PLAN AND  
SCHEDULE 4TH INSERVICE INSPECTION INTERVAL  
(CODE CASES N-722-1, N-729-4, N-770-2)**

**SHEARON HARRIS NUCLEAR POWER PLANT, UNIT 1**

**DOCKET NO. 50-400**

**RENEWED LICENSE NO. NPF-63**

**69 PAGES PLUS COVER**

**Owner:**  
**Duke Energy - Progress**  
**Charlotte, North Carolina**  
**28201**

**Plant:**  
**Shearon Harris Nuclear Power**  
**Plant 5413 Shearon Harris Road**  
**New Hill, North Carolina 27562**



**HNP-PM4-007**  
**Augmented Inservice Inspection (AISI) Plan and**  
**Schedule 4th Inservice Inspection Interval**  
**Revision 1**

<b>Construction Permit:</b>	<b>January 27, 1978</b>
<b>Operating License:</b>	<b>January 12, 1987</b>
<b>Commercial Operation:</b>	<b>May 2, 1987</b>

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## 1.0 Introduction

Inservice inspection programs commonly use three basic categories for describing routine and repetitive nondestructive examinations (NDE) performed on pressure boundary components at nuclear sites.

- 1.1 **Code Examinations:** Code examinations are those required by the ASME Boiler and Pressure Vessel Code, Section XI, Rules for Inservice Inspection of Nuclear Power Plant Components. Section XI is an international standard for pressure boundary inservice inspection and is incorporated by reference into 10CFR50.55a by the Nuclear Regulatory Commission (NRC). The code requires examination of various pressure boundary components over the life of the plant. The code provides specific requirements for the content of a code ISI plan and schedule.
- 1.2 **Elective Examinations:** These examinations are not required by code and are not required by any utility commitment to a regulatory authority or industry group. They are essentially optional or discretionary examinations and may also be referred to as courtesy examinations or engineering examinations. These examinations are typically managed in the site ISI Plan.
- 1.3 **Augmented Examinations:** These are examinations that are mandated by a regulatory authority (e.g. NRC) or industry initiative (e.g. NEI 03-08). At times, a regulator or the industry may deem additional examinations are necessary to address specific issues not considered completely addressed by Section XI or to address issues until Section XI can develop acceptable new rules. For Duke Energy Nuclear, augmented examinations, as defined in AD-EG-ALL-1704, Augmented Inspection Program Administration, are examinations or tests, not specifically required by ASME Section XI, that are performed to satisfy a licensing, regulatory, industry requirement or good practice, or management commitment (e.g., License Renewal Commitments, 10 CFR 50.55a, MRP-192 or MRP-146).
  - 1.3.1 Augmented examinations are required examinations. Deviations from these examination requirements are prohibited without additional action taken to justify and approve deviations in accordance with applicable requirements. Augmented examinations are technically significant because they emerge from significant industry events (e.g. degradation of reactor coolant system components due to stress corrosion cracking). Due to their significance, certain augmented examinations are being treated under a standalone engineering program in accordance with AD-EG-ALL-1600, Engineering Programs. AD-EG-ALL-1704, Augmented Inservice Inspection Program Administration, is the governing document for the Augmented Inservice Inspection (AISI)

Program. The procedure specifies the requirements for development, administration, and implementation of an AISI Program and documents and implements the AISI Program requirements for certain licensing, regulatory, industry or good practice, or management commitments determined appropriate to manage in the AISI program due to the source and complexity of the commitment and the examination attributes. The AISI Program ensures licensee committed examinations warranting more rigorous control and formality are incorporated into an administrative structure that causes the critical aspects to be systematically maintained in a transparent manner such that all requirements are met.

- 1.4 The AISI does not manage all augmented examinations. Examination commitments not specifically incorporated into the AISI program by the AISI procedure are administered by other procedures and programs (e.g. FAC, Buried Piping, MRP-227).

## **2.0 Purpose**

- 2.1 This document fulfills the AISI Program requirement in AD-EG-ALL-1704, Augmented Inspection Program Administration, to have an AISI Plan and Schedule. The AISI Plan and Schedule exist to emphasize the importance and uniqueness of Augmented Examinations and their associated requirements.
- 2.2 The Plan provides a description of each Augmented Examination. The Examination Owner is responsible for managing licensing, regulatory, industry requirement or good practice, or management commitment that results in a need to define and manage an Augmented Examination in accordance with AD-EG-ALL-1704, Augmented Inservice Inspection Program Administration.
- 2.3 The Schedule provides a snapshot of examinations scheduled by refueling outage or Period, as required. Since changes can occur at any time, information should be verified with the Site AISI Program Manager. Outage schedules are provided in accordance with AD-EG-ALL-1704, Augmented Inservice Inspection Program Administration, and outage milestones to facilitate planning and schedule of examinations during refueling outages.

### **3.0 Scope of AISI Plan and Schedule**

- 3.1 The AISI Plan and Schedule apply to examination commitments specifically incorporated into the site AISI program using AD-EG-ALL-1704, Augmented Inspection Program Administration, and included in this Plan and Schedule. Elective exams are not included in this program.
- 3.2 This Augmented Inservice Inspection Plan is valid for the duration of the Harris 4<sup>th</sup> Interval Inservice Inspection Interval (refer to the 4<sup>th</sup> Interval Inservice Inspection Plan and Schedule for applicable dates). The 4<sup>th</sup> Interval ISI Plan Interval dates were adjusted, as permitted by IWA-2430 of the ASME Code, Section XI, 2007 Edition with the 2008 Addenda, the applicable interval dates for this 4<sup>th</sup> Interval Augmented Inservice Inspection Plan are as follows:
  - 4<sup>th</sup> Augmented Inservice Inspection Interval Start Date: September 9, 2017
  - 4<sup>th</sup> Augmented Inservice Inspection Interval End Date: September 8, 2027
- 3.3 Within this Augmented Inservice Inspection Plan and Schedule, where an augmented examination is scheduled for a specific Inspection Period, the examination may be performed at any time during the applicable Inspection Period. The Inspection Period dates shall coincide with the Inspection Periods specified in the 4<sup>th</sup> Interval Inservice Inspection Plan.
- 3.4 Within this Augmented Inservice Inspection Plan and Schedule, where an augmented examination is scheduled for a specific refueling outage, the examination shall be performed during that specific refueling outage and shall not be rescheduled, unless authorized by the Site Augmented Examination Owner (See AD-EG-ALL-1704 for responsibilities).

### **4.0 Definitions**

Refer to AD-EG-ALL-1704, Augmented Inservice Inspection Program Administration, for definitions.

### **5.0 Augmented Inservice Inspection Program History**

- 5.1 Since augmented examinations were originally administered as part of the ISI plan and schedule, the initial AISI plan and schedule are created from the contents of the ISI plan and the ISI database.
- 5.2 Section 6.0 provides the scope of examinations included in the AISI Program. The unique item number series (e.g. E-1) used in the schedule is identified and there is a brief description of the basis for each examination.

- 5.3 Augmented examinations are identified in the ASME Category column as “AUGMENT”. The item number identifies the applicable requirement derived from the Augmented Inservice Inspection Plan. The augmented examinations at Shearon Harris Nuclear Power Plant are contained in the Augmented Inservice Inspection Schedule. This schedule is further separated into subcategories (i.e. E-1, E-2, etc.) which correlate to the requirement in the Augmented Inservice Inspection Plan. Augmented examinations are not performed for ASME Section XI credit; therefore ANII involvement is not required nor prohibited.

## 6.2 Augmented Examination Bases and Requirements for the 4<sup>th</sup> Inservice Inspection Interval

<b>Inspection Item Number E-3: Alloy 600 Program – ASME Code Case N-729-4</b>
<p><b>Bases for Reactor Vessel Head Penetration Examinations:</b></p> <ul style="list-style-type: none"><li>• 10 CFR 50.55a(g)(6)(ii)(D)</li><li>• EA-03-009 (Complete) – No longer required for the 4<sup>th</sup> Inservice Inspection Interval</li><li>• ASME Code Case N-729-1 (Applicable for the 3<sup>rd</sup> Inservice Inspection Interval)</li><li>• ASME Code Case N-729-4 (Applicable for the 4<sup>th</sup> Inservice Inspection Interval)</li></ul>
<p><b>Requirements for Reactor Vessel Head Penetration Examinations:</b></p> <p>HNP has the original head with 65 Alloy 600 CRDM nozzles and 1 vent pipe. Examination frequency was in accordance with guidelines established in EA-03-009. The examination requirements of EA-03-009 are <u>complete</u> based on the requirements identified in 10CFR50.55a, dated 9/10/2008 which required the use of ASME Code Case N-729-1. ASME Code Case N-729-1 was used for examinations from 9/10/2008 until the new revision of 10CFR50.55a, dated 7/18/2017 was issued. Effective 8/17/2017, ASME Code Case N-729-4 shall be used for future examinations inclusive of the limitations and modifications identified in 10CFR50.55a(g)(6)(ii)(D).</p> <p><b>ASME Code Case N-729-4:</b></p> <ul style="list-style-type: none"><li>• A Visual, VE (Notes 1 and 2) examination shall be performed each refueling outage (Notes 3 and 4, Item Number B4.10). Note 4 has been modified by 10CFR50.55a(g)(6)(ii)(D)(3) and cannot be implemented as written.</li><li>• A Volumetric and surface examination shall be performed on all nozzles each refueling outage (Notes 5, 6, 8 and 9, Item Number B4.20). Note 5 cannot be implemented without prior NRC approval in accordance with 10CFR50.55a(g)(6)(ii)(D)(2).</li></ul> <p><b>See the Attachment 1 documents associated with Item Number E-3 in Attachment 1 of this document for further detail on examination requirements.</b></p>

**Inspection Item Number E-3:**

**Alloy 600 Program – ASME Code Case N-729-4**

**In accordance with ASME Section XI, Code Case N-729-1, Volumetric (UT), Surface (ET) and Visual (VE) examinations were completed on the reactor vessel head and reactor vessel head penetrations during RFO-17. The results are as follows:**

- A remote Visual Examination (VE) was performed on the outside of the RPV Head and Penetration Nozzles in accordance with Code Case N-729-1 Visual Examination (VE) requirements as mandated by 10CFR50.55a(g)(6)(ii)(D)(1). No evidence of leakage was detected.
- Automated, encoded volumetric (UT) examination was performed on the 65 CRDM Penetration Nozzles in accordance with Code Case N-729-1 as mandated by 10CFR50.55a(g)(6)(ii)(D)(1). PWSCC flaws were identified in nozzles 5, 17, 38 and 63. These nozzles were subsequently repaired using the ID Temper Bead weld technique in accordance with Relief Request I3R-09 and Engineering Change 284144, R/10.
- Eddy Current (ET) Surface examination of the Vent Line bore and J-Groove wetted surface was performed in accordance with Code Case N-729-1 as mandated by 10CFR50.55a(g)(6)(ii)(D)(1). No indications were identified.

**As a result of the discovery of PWSCC in the CRDM nozzles at Harris, the examinations performed in accordance with Code Case N-729-4 are required to be performed each outage in accordance with the requirements of Note (8) of Code Case N-729-4 which states, “If flaws are attributed to PWSCC, whether or not acceptable for continued service in accordance with -3130 or -3140, the re-inspection interval shall be each refueling outage. Additionally, repaired areas shall be examined during the next refueling outage following the repair”.**

**Note:** CRDM nozzle 49 was repaired during a forced outage in May of 2013 using the ID Temper Bead weld technique in accordance with Relief Request I3R-11 and Engineering Change 284144, R/14.

**Note:** CRDM nozzle 37 was repaired during RFO-18 using the ID Temper Bead weld technique in accordance with Relief Request I3R-13 and Engineering Change 284144, R/17.

**Note:** CRDM nozzles 14, 18 and 23 were repaired during RFO-19 using the ID Temper Bead weld technique in accordance with Relief Request I3R-15 and Engineering Change 284144, R/23.

**Note:** CRDM nozzles 30, 40 and 51 were repaired during RFO-20 using the ID Temper Bead weld technique in accordance with Relief Request I3R-15 and Engineering Change 284144, R/30. A PT indication was ground on nozzle 23 during RFO-20.

**Summary of 4<sup>th</sup> Interval Scheduling of E-3 Items:**

- 1. 100% of E-3 Items (including the entire outer surface of the RPV Head) shall be scheduled to receive a VE examination during each refueling outage.**
- 2. 100% of E-3 Items (non-repaired nozzle welds) shall receive a volumetric examination during each refueling outage. Repaired nozzles shall receive either a volumetric or surface examination in accordance with the applicable relief request and Code case N-729-4, as modified by 10CFR50.55a. CRDM nozzles shall be examined using UT and/or PT, and the vent nozzle shall be examined using ET.**

**Inspection Item Number E-14:**

**ASME Code Case N-722-1**

**Bases for Examination Requirements:**

- 10 CFR 50.55a(g)(6)(ii)(E)
- ASME Code Case N-722-1

**Examination Requirements:**

**Reactor Vessel**

B15.80 – **Bottom mounted instrumentation (50 total) – Visual Exam (VE) every other refueling outage.**

B15.95 – **Cold Leg Nozzle to pipe RVNOZAI-N-01SE (1-RC-1-FW-4), RVNOZBI-N-03SE (1-RC-2-FW-4) and RVNOZCI-N-05SE (1-RC-3-FW-4) – VE Visual Exam once per interval.**

**Note:** Note 5 of Code Case N-722-1 states, “An ultrasonic examination, performed from the component inside or outside surface in accordance with the requirements of Table IWB-2500-1 and Appendix VIII (1995 Edition with the 1996 or later) shall be acceptable in lieu of the VE requirement of this table”.

B15.90 – **Hot Leg Nozzle to pipe:** In accordance with 10CFR 50.55a(g)(6)(ii)(E)(1) the inspection requirements of ASME Code Case N-722-1 do not apply to components with pressure retaining welds fabricated with Alloy 600/82/182 materials that have been mitigated by weld overlay or stress improvement. The Hot Leg Nozzle to Pipe welds at Shearon Harris have received Mechanical Stress Improvement (MSIP) and are no longer governed by the requirements of Code Case N-722-1, as amended by 10CFR 50.55(a).

**Pressurizer**

The Pressurizer Heater Penetrations associated with Inspection Item Number B15.140 do not contain Alloy 600/82/182 materials, therefore the examination requirements of Code Case N-722-1 are not applicable. Reference drawing 1364-052710 SH 48 of 221.

B15.150 – **Spray Nozzle to Pipe.**

B15.160 – **Safety and Relief Nozzle to pipe.**

B15.170 – **Surge Nozzle to pipe.**

The Surge Nozzle Weld Overlay (II-PRZ-01NSEW-15WOL) encompasses the following two welds:

Item Number R-A R1.15-2: II-PRZ-01NSEW-15

Item Number R-A R1.11-2: II-RC-009RC-FW-3

The Spray Nozzle Weld Overlay (II-PRZ-01NSEW-16WOL) encompasses the following two welds:

Item Number R-A R1.15-2: II-PRZ-01NSEW-16

Item Number R-A R1.11-2: II-RC-023RC-FW-328

**Inspection Item Number E-14:**

**ASME Code Case N-722-1**

The Relief Nozzle Weld Overlay (II-PRZ-01NSEW-20WOL) encompasses the following two welds:

- Item Number R-A R1.15-2: II-PRZ-01NSEW-20
- Item Number R-A R1.20-4: II-RC-022RC-FW-456

The "A" Safety Nozzle Weld Overlay (II-PRZ-01NSEW-17WOL) encompasses the following two welds:

- Item Number R-A R1.15-2: II-PRZ-01NSEW-17
- Item Number R-A R1.20-4: II-RC-027RC-FW-330

The "B" Safety Nozzle Weld Overlay (II-PRZ-01NSEW-18WOL) encompasses the following two welds:

- Item Number R-A R1.15-2: II PRZ-01NSEW-18
- Item Number R-A R1.20-4: II-RC-027RC-FW-334

The "C" Safety Nozzle Weld Overlay (II-PRZ-01NSEW-19WOL) encompasses the following two welds:

- Item Number R-A R1.15-2: II-PRZ-01NSEW-19
- Item Number R-A R1.20-4: II-RC-027RC-FW-329

**Code Case N-722-1 NOTES:**

Note 1: Alloy 600/82/182 are equivalent to UNS N06600 (SB-163, SB-166, SB-167, SB-168 and SB-564), UNS N06082 (SFA 5.14 ERNiCr-3) and UNS W86182 (SFA 5.11 ENiCrFe-3).

Note 2: The reactor vessel closure head is not addressed in this Case.

Note 3: The Visual Examination (VE) performed on Alloy 600/82/182 components for evidence of pressure boundary leakage and corrosion on adjacent ferritic steel components shall consist of the following:

- (a) A direct VE of the bare-metal surface performed with the insulation removed. Alternatively, the VE may be performed with insulation in place using remote visual inspection equipment that provides resolution of the component metal surface equivalent to a bare-metal direct VE.
- (b) The VE may be performed when the system or component is depressurized.
- (c) The direct VE shall be performed at a distance not greater than 4 ft (1.2 m) from the component and with a demonstrated illumination level sufficient to allow resolution of lower case characters having a height of not greater than 0.105 in (2.7 mm).



**Inspection Item Number E-14:**

**ASME Code Case N-722-1**

Note 4: Personnel performing the VE shall be qualified as VT-2 visual examiners and shall have completed a minimum of four (4) hours of additional training in detection of borated water leakage from Alloy 600/82/182 components and the resulting boric acid corrosion of adjacent ferritic steel components.

Note 5: An ultrasonic examination, performed from the component inside or outside surface in accordance with the requirements of Table IWB-2500-1 and Appendix VIII (1995 Edition with the 1996 Addenda or later) shall be acceptable in lieu of the VE requirement of this table.

Note 6: VE shall be performed in accordance with the schedule in IWB-2400.

Note 7: The detection of evidence of pressure leakage at a VE location shall require the VE of all components within the Examination Item No. prior to reactor startup. These additional VEs shall not affect the original VE schedule of the components within the Examination Item No.

Note 8: This Case does not require visual examination of Alloy 600/82/182 materials in flange seal leak-off lines.

**Summary of 4<sup>th</sup> Interval Scheduling of E-14 Items:**

1. ***B15.80 – Bottom mounted instrumentation nozzles (50 total) shall receive a Visual Exam (VE) during RFO22, RFO24, and RFO26, per N-722-1.***
2. ***B15.95 – Cold Leg Nozzle to pipe welds RVNOZAI-N-01SE (1-RC-1-FW-4), RVNOZBI-N-03SE (1-RC-2-FW-4) and RVNOZCI-N-05SE (1-RC-3-FW-4) will not be scheduled for visual examination in accordance with Code Case N-722-1 during the 4<sup>th</sup> Inservice Inspection Interval. In lieu of the Code Case N-722-1 visual examinations, ultrasonic examination performed in accordance with Code Case N-770-1 (Inspection Item E-15), shall be credited towards meeting these examination requirements.***
3. ***B15.150 – Spray Nozzle to Pipe, B15.160 – Safety and Relief Nozzle to pipe, and B15.170 – Surge Nozzle to pipe. These welds have been overlaid and shall be examined in accordance with the requirements of Code Case N-770-1 (Inspection Item E-15) and no longer require examination in accordance with Code Case N-722-1. Therefore, these items will not be scheduled for examination during the 4<sup>th</sup> Inservice Inspection Interval. The basis for this is specified in 10 CFR 50.55a(g)(6)(ii)(E)(1), as follows:***  
***“(1) ... The inspection requirements of ASME Code Case N-722-1 do not apply to components with pressure retaining welds fabricated with Alloy 600/82/182 materials that have been mitigated by weld overlay or stress improvement.”***

**Inspection Item Number E-15:**

**ASME Code Case N-770-2**

**Bases for Examination Requirements:**

- 10 CFR 50.55a(g)(6)(ii)(F)
- ASME Code Case N-770-1 (Implemented until the new revision of 10CFR50.55a dated 7/18/2018 was issued)
- ASME Code Case N-770-2 (Effective date August 17, 2017)

**Examination Requirements:**

**RPV Hot Leg Welds**

Examinations are required in accordance with Code Case N-770-2, inclusive of limitations and modifications identified in 10CFR50.55a(g)(6)(ii)(F). The RPV Hot Leg welds, RVNOZAO-N-06SE (1-RC-1-FW-1), RVNOZBO-N-02SE (1-RC-2-FW-1) and RVNOZCO-N-4SE (1-RC-3-FW-1), are Code Case N-770-2 Category D welds – Uncracked butt weld mitigated with stress improvement. The RPV Hot Leg welds were mitigated using Mechanical Stress Improvement (MSIP) during RFO-16. This included a pre and post volumetric examination. No PWSCC was identified.

The examinations required by Code Case N-770-2 are: Volumetric.

In accordance with Inspection Item D in Table 1 of Code Case N-770-2, “Examine all welds no sooner than the third refueling outage and no later than 10 years following stress improvement”.

Examination volumes that show no indication of cracking shall be placed into a population to be examined on a sample basis. Twenty-five percent of this population shall be added to the ISI Program in accordance with -2410 and shall be examined once each inspection interval.

See the Attachment 1 document associated with the Hot Leg-to-Nozzle Weld Examination, Item Number E-15 in Attachment 1 of this document for further detail on examination requirements.

**Inspection Item Number E-15:**

**ASME Code Case N-770-2**

**RPV Cold Leg Welds**

Examinations are required in accordance with Code Case N-770-2, inclusive of limitations and modifications identified in 10CFR50.55a(g)(6)(ii)(F). The RPV Cold Leg welds, RVNOZAI-N-01SE (1-RC-1-FW-4), RVNOZBI-N-03SE (1-RC-2-FW-4), and RVNOZCI-N-05SE (1-RC-3-FW-4), are Code Case N-770-2 Category B welds - Unmitigated butt weld at Cold Leg operating temperature  $(-2410) \geq 525^{\circ}\text{F}$  ( $274^{\circ}\text{C}$ ) and  $<580^{\circ}\text{F}$  ( $304^{\circ}\text{C}$ ).

The examinations required by Code Case N-770-2 are: Visual once per interval, volumetric every second inspection period not to exceed 7 years. In accordance with Note 3 of Code Case N-770-2, an ultrasonic examination performed from the component inside or outside surface in accordance with the requirements of Table 1 and Appendix VIII (1995 Edition with the 1996 Addenda or later) shall be acceptable in lieu of the VE requirement.

The RPV Cold Leg welds were volumetrically examined during RFO-17. No PWSCC was identified.

See the Attachment 1 document associated with the Cold Leg-to-Nozzle Weld Examination, Item Number E-15 in Attachment 1 of this document for further detail on examination requirements.

**Inspection Item Number E-15:**

**ASME Code Case N-770-2**

**Pressurizer Nozzle Weld Overlays**

Examinations are required in accordance with Code Case N-770-2, inclusive of limitations and modifications identified in 10CFR50.55a(g)(6)(ii)(F). The six Pressurizer Nozzle Weld Overlays II-PRZ-01NSEW-15WOL, II-PRZ-01NSEW-16WOL, II-PRZ-01NSEW-17WOL, II-PRZ-01NSEW-18WOL, II-PRZ-01NSEW-19WOL & II-PRZ-01NSEW-20WOL, are Code Case N-770-2 Category F-1 Welds – Cracked butt welds reinforced by full structural weld overlay of Alloy 52/152 material. Pre-mitigation examinations were not performed on the pressurizer nozzles, therefore they were conservatively assumed to be cracked.

Volumetric examinations are required by Code Case N-770-2. Examine once during the first or second refueling outage following overlay. Weld overlay examination volumes that show no indication of crack growth or new cracking shall be placed into a population to be examined on a sample basis. Twenty-five percent of this population shall be added to the ISI Program in accordance with -2410 and shall be examined once each inspection interval. For each overlay in the 25% sample that has an analyzed life of less than 10 years, at least one inservice examination shall be performed prior to exceeding the life of the overlay.

The pressurizer nozzles were mitigated via weld overlay (WOL) during RFO-14 in the fall of 2007. Subsequent examinations were performed during RFO-16 in the fall of 2010. The next inspections will be performed in the fourth interval and shall be scheduled such that 25% of the population is examined during Interval 4. This requires scheduling (1) overlay to be examined during each of 2 different Inspection Periods.

See the Attachment 1 document associated with the Pressurizer Nozzle Weld Overlays Examination, Item Number E-15 in Attachment 1 of this document for further detail on examination requirements.

**Inspection Item Number E-15:**

**ASME Code Case N-770-2**

**Summary of 4<sup>th</sup> Interval Scheduling of E-15 Items:**

**1. N-770-2, Category D Welds – (3) RPV Hot Leg Welds – Volumetric Examination**

- *RFO-21 examination is performed to meet N-770-2, Table 1 Category D, 1<sup>st</sup> exam following MSIP, as conditioned by 10CFR50.55a(g)(ii)(F)(9). 100% of these welds shall be examined in RFO-21.*
- *One weld is scheduled during Period 3 to satisfy the requirement of N-770-2, Table 1, Inspection item D, Extent and Frequency of Examination requirement to examine 25% of this population once each inspection interval.*

**2. N-770-2, Category B Welds – (3) RPV Cold Leg Welds – Volumetric Examination Only [Visual Examination not required, per N-770-2, Table 1, Note (3)]**

- *Examination required on 100% of welds every other Period, not to exceed 7 years.*
- *Three examinations are scheduled every 4<sup>th</sup> Refueling Outage (i.e., RFO-21 and RFO-25) during Interval 4 (Previous exams were performed during RFO-17).*

*Note: The N-770-2 volumetric examinations are credited towards meeting the requirements of Code Case N-722-1, Item Number B15.95.*

**3. N-770-2, Category F-1 Welds – (6) Pressurizer Nozzle Weld Overlays – Volumetric Examination**

- *Two examinations are scheduled during Interval 4 to satisfy the requirement of N-770-2, Table 1, Inspection item F-1, Extent and Frequency of Examination requirement to examine 25% of this population once each inspection interval. One examination is scheduled for RFO-21 (Period 1) and one examination is scheduled for RFO-24 (Period 2).*

## 7.0 Code Cases Applicable to Augmented Inservice Inspection Plan

Code Case	Subject
N-722-1	<p><i>Additional Examinations of PWR Pressure Retaining Welds in Class 1 Components Fabricated with Alloy 600/82/182 Materials. Invoked per Federal Register, dated, 6/21/2011, effective date, 7/21/2011. Note: This code case is conditionally accepted as amended by 10CFR 50.55a(g)(6)(ii)(E)(1)</i></p> <p><b>10CFR 50.55a(g)(6)(ii)(E)(1)</b>All licensees of pressurized water reactors shall augment their inservice inspection program by implementing ASME Code Case N-722-1 subject to the conditions specified in paragraphs (g)(6)(ii)(E)(2) through (g)(6)(ii)(E)(4) of this section. The inspection requirements of ASME Code Case N-722-1 do not apply to components with pressure retaining welds fabricated with Alloy 600/82/182 materials that have been mitigated by weld overlay or stress improvement.</p> <p><b>(g)(6)(ii)(E)(2)</b> If a visual examination determines that leakage is occurring from a specific item listed in Table 1 of ASME Code Case N-722-1 that is not exempted by the ASME Code, Section XI, IWB-1220(b)(1), additional actions must be performed to characterize the location, orientation, and length of crack(s) in Alloy 600 nozzle wrought material and location, orientation, and length of crack(s) in Alloy 82/182 butt welds. Alternatively, licensees may replace the Alloy 600/82/182 materials in all the components under the item number of the leaking component.</p> <p><b>(g)(6)(ii)(E)(3)</b> If the actions in paragraph (g)(6)(ii)(E)(2) of this section determine that a flaw is circumferentially oriented and potentially a result of primary water stress corrosion cracking, licensees shall perform non-visual NDE inspections of components that fall under that ASME Code Case N-722-1 item number. The number of components inspected must equal or exceed the number of components found to be leaking under that item number. If circumferential cracking is identified in the sample, non-visual NDE must be performed in the remaining components under that item number.</p> <p><b>(g)(6)(ii)(E)(4)</b> If ultrasonic examinations of butt welds are used to meet the NDE requirements in paragraphs (g)(6)(ii)(E)(2) or (g)(6)(ii)(E)(3) of this section, they must be performed using the appropriate supplement of Section XI, Appendix VIII of the ASME Boiler and Pressure Vessel Code.</p>
N-729-4	<p><i>Alternative Examination Requirements for PWR Reactor Vessel Upper Heads With Nozzles Having Pressure-Retaining Partial-Penetration Welds, Section XI, Division 1. Invoked per Federal Register, dated, 7/18/2017, effective date, 8/17/2017. Note: This code case is conditionally accepted as amended by 10CFR 50.55a(g)(6)(ii)(D)(1)</i></p> <p><b>50.55a(g)(6)(ii)(D)(1) – Implementation:</b> Holders of operating licenses or combined licenses for pressurized-water reactors as of or after August 17, 2017 shall implement the requirements of ASME BPV Code Case N-729-4 instead of ASME BPV Code Case N-729-1, subject to the conditions specified in paragraphs (g)(6)(ii)(D)(2) through (4) of this section, by the first refueling outage starting after August 17, 2017.</p> <p><b>(g)(6)(ii)(D)(2) – Appendix I use:</b> Appendix I of ASME BPV Code Case N-729-4 shall not be implemented without prior NRC approval.</p>

Code Case	Subject
	<p><b>(g)(6)(ii)(D)(3) – Bare metal visual frequency:</b> Instead of Note 4 of ASME BPV Code Case N-729-4, the following shall be implemented. If effective degradation years (EDY) &lt; 8 and if no flaws are found that are attributed to primary water stress corrosion cracking:</p> <p><b>(g)(6)(ii)(3)(i):</b> A bare metal visual examination is not required during refueling outages when a volumetric or surface examination is performed; and</p> <p><b>(g)(6)(ii)(D)(3)(ii):</b> If a wetted surface examination has been performed of all of the partial penetration welds during the previous non-visual examination, the re-examination frequency may be extended to every third refueling outage or 5 calendar years, whichever is less, provided an IWA-2212 VT-2 visual examination of the head is performed under the insulation through multiple access points in outages that the VE is not completed. This IWA-2212 VT-2 visual examination may be performed with the reactor vessel depressurized.</p> <p><b>(g)(6)(ii)(D)(4) – Surface exam acceptance criteria:</b> In addition to the requirements of Paragraph -3132.1(b) of ASME BPV Code Case N-729-4, a component whose surface examination detects rounded indications greater than allowed in Paragraph NB-5352 in size on the partial-penetration or associated fillet weld shall be classified as having an unacceptable indication and corrected in accordance with the provisions of paragraph -3132.2 of ASME BPV Code Case N-729-4.</p>
N-770-2	<p><i>Alternative Examination Requirements and Acceptance Standards for Class 1 PWR Piping and Vessel Nozzle Butt Welds Fabricated With UNS N06082 or UNS W86182 Weld Filler Material With or Without Application of Listed Mitigation Activities Section XI, Division 1. Invoked per Federal Register, dated, 7/18/2017, effective date, 8/17/2017 Note: This code case is conditionally accepted as amended by 10 CFR 50.55a(g)(6)(ii)(F)(1).</i></p> <p><b>10CFR50.55a(g)(6)(ii)(F)(1) – Implementation:</b> Holders of operating licenses or combined licenses for pressurized-water reactors as of or after August 17, 2017 shall implement the requirements of ASME BPV Code Case N-770-2 instead of ASME BPV Code case N-770-1, subject to the conditions specified in paragraphs (g)(6)(ii)(F)(2) through (13) of this section, by the first refueling outage starting after August 17, 2017.</p> <p><b>(g)(6)(ii)(F)(2) – Categorization:</b> Full structural weld overlays authorized by the NRC staff in accordance with the alternatives approval process of this section, may be categorized as Inspection Items C-1 or F-1, as appropriate. Welds that have been mitigated by the Mechanical Stress Improvement Process (MSIP™) may be categorized as Inspection Items D or E, as appropriate, provided the criteria in Appendix I of the code case have been met. For the purposes of determining ISI frequencies, all other butt welds that rely on Alloy 82/182 for structural integrity shall be categorized as Inspection Items A-1, A-2 or B until the NRC staff has reviewed the mitigation and authorized an alternative code case Inspection Item for the mitigated weld, or an alternative code case Inspection Item is used based on conformance with an ASME mitigation code case endorsed in Regulatory Guide 1.147 with any applying conditions specified in NRC Regulatory Guide 1.147, as incorporated by reference in paragraph (a)(3)(ii) of this section. Paragraph -1100(e) of ASME BPV Code Case N-770-2 shall not be used to exempt welds that rely on Alloy 82/182 for structural integrity from any requirement of paragraph (g)(6)(ii)(F) of this section.</p>

Code Case	Subject
	<p>(g)(6)(ii)(F)(3) – <b>Baseline examinations:</b> Baseline examinations for welds in Table 1 of ASME BPV Code Case N-770-2, Inspection Items A–1, A–2, and B, if not previously performed or currently scheduled to be performed in an ongoing refueling outage as of August 17, 2017, in accordance with paragraph (g)(6)(ii)(F) of this section, shall be completed by the end of the next refueling outage. Previous examinations of these welds can be credited for baseline examinations only if they were performed within the re-inspection period for the weld item in Table 1 of ASME BPV Code Case N-770-2 and the examination of each weld meets the examination requirements of paragraphs -2500(a) or -2500(b) of ASME BPV Code Case N-770-2 as conditioned in this section. Other previous examinations that do not meet these requirements can be used to meet the baseline examination requirement, provided NRC approval in accordance with paragraph (z)(1) or (2) of this section, is granted prior to the end of the next refueling outage.</p> <p>(g)(6)(ii)(F)(4)- <b>Examination coverage:</b> When implementing Paragraph -2500(a) of ASME BPV Code Case N-770-2, essentially 100 percent of the required volumetric examination coverage shall be obtained, including greater than 90 percent of the volumetric examination coverage for circumferential flaws. Licensees are prohibited from using Paragraphs -2500(c) and -2500(d) of ASME BPV Code Case N-770-2 to meet examination requirements.</p> <p>(g)(6)(ii)(F)(5)- <b>Inlay/onlay inspection frequency:</b> All hot-leg operating temperature welds in Inspection Items G, H, J, and K shall be inspected each inspection interval. A 25 percent sample of Inspection Item G, H, J and K cold-leg operating temperature welds shall be inspected whenever the core barrel is removed (unless it has already been inspected within the past 10 years) or within 20 years, whichever is less.</p> <p>(g)(6)(ii)(F)(6) - <b>Reporting Requirements:</b> For any mitigated weld whose volumetric examination detects growth of existing flaws in the required examination volume that exceed the previous IWB–3600 flaw evaluations or new flaws, a report summarizing the evaluation, along with inputs, methodologies, assumptions, and cause of the new flaw or flaw growth is to be provided to the NRC prior to the weld being placed in service other than modes 5 or 6.</p> <p>(g)(6)(ii)(F)(7) - <b>Defining “t”:</b> For Inspection Items G, H, J, and K, when applying the acceptance standards of ASME B&amp;PV Code, Section XI, IWB–3514, for planar flaws contained within the inlay or onlay, the thickness “t” in IWB–3514 is the thickness of the inlay or onlay. For planar flaws in the balance of the dissimilar metal weld examination volume, the thickness “t” in IWB–3514 is the combined thickness of the inlay or onlay and the dissimilar metal weld.</p> <p>(g)(6)(ii)(F)(8) – <b>Optimized weld overlay examination:</b> Initial inservice examination of Inspection Item C-2 welds shall be performed between the third refueling outage and no later than 10 years after application of the overlay.</p> <p>(g)(6)(ii)(F)(9) – <b>Deferral:</b> Note (11)(b)(1) in ASME BPV Code case N-770-2 shall not be used to defer the initial inservice examination of optimized weld overlays (i.e., Inspection Item C-2 of ASME BPV Code Case N-770-2).</p> <p>(g)(6)(ii)(F)(10) – <b>Examination technique:</b> Note 14(b) of Table 1 and Note (b) of Figure 5(a) of ASME BPV Code Case N–770–2 may only be implemented if the requirements of Note 14(a) of Table 1 of ASME BPV Code Case N-770-2 cannot be met.</p> <p>(g)(6)(ii)(F)(13) – <b>Encoded ultrasonic examination:</b> Ultrasonic examinations of nonmitigated or cracked mitigated dissimilar metal butt welds in the reactor coolant pressure boundary must be performed in accordance with the requirements of Table 1 for Inspection Item A-1, A-2, B, E, F-2, J and K for 100 percent of the required inspection volume using an encoded method.</p>



## 9.0 Revision Summary

Page	Description of Change	Reason for Change
ALL	<ul style="list-style-type: none"> <li>Changed revision from 0 to 1 on all pages.</li> </ul>	Plan Update
TOC	<ul style="list-style-type: none"> <li>Deleted Section 10.0 and added Attachments 1 and 2.</li> </ul>	Plan Update
7-11	<ul style="list-style-type: none"> <li>Corrected formatting issues in section 6.1.</li> </ul>	Plan Update
12-14	<ul style="list-style-type: none"> <li>Item Number E-3: Changed Code Case N-729-1 to N-729-4 throughout item number, where applicable.</li> <li>Added reference to Code Case N-729-4 to the Bases for Reactor Vessel Head Penetration Examinations.</li> <li>Note 2 under Summary of 4<sup>th</sup> Interval Scheduling of E-3 Items was edited to include examination of repaired nozzle welds.</li> </ul>	Updated to reflect current rulemaking.
13	<ul style="list-style-type: none"> <li>Item Number E-3: Updated the projected RIY values in accordance with calculation HNP-M/MECH-1091, Revision 5.</li> </ul>	Plan Update
17	<ul style="list-style-type: none"> <li>Item Number E-8: Changed reference of HNP-PM4-007 from Revision 0 to Revision 1.</li> </ul>	Plan Update
22	<ul style="list-style-type: none"> <li>Item Number E-12: Changed reference of HNP-PM4-007 from Revision 0 to Revision 1.</li> </ul>	Plan Update
24	<ul style="list-style-type: none"> <li>Item Number E-14: Remove examination requirement for pressurizer heater penetrations.</li> </ul>	
27	<ul style="list-style-type: none"> <li>Item Number E-15: Changed all references to Code Case N-770 from N-770-1 to N-770-2, as applicable.</li> <li>Item Number E-15: Added reference to Code Case N-770-2 to the Basis for Examination Requirements.</li> </ul>	Updated to reflect current rulemaking.
27-32	<ul style="list-style-type: none"> <li>Item Number E-15: Edited verbiage to comply with Code Case N-770-2.</li> </ul>	Updated to reflect current rulemaking.
33	<ul style="list-style-type: none"> <li>Replaced Code Case N-729-1 with Code Case N-729-4 and edited verbiage to match.</li> </ul>	Updated to reflect current rulemaking.
34	<ul style="list-style-type: none"> <li>Replaced Code Case N-770-1 with Code Case N-770-2 and edited verbiage to match.</li> </ul>	Updated to reflect current rulemaking.
37	<ul style="list-style-type: none"> <li>Deleted Section 9.0 (Augmented Inservice Inspection Program Schedules), and renumbered sections (Revision Summary is the new Section 9).</li> </ul>	Redundant with new Attachment 2.
Att. 1	<ul style="list-style-type: none"> <li>Added Attachment 1 forms to the document for item numbers associated with Code Cases N-729-4 (E-3) and N-770-2 (E-15).</li> </ul>	Update plan to include requirements for new rulemaking.
Att. 2	<ul style="list-style-type: none"> <li>Item Number E-3: Replaced Code Case N-729-1 with Code Case N-729-4.</li> <li>Added PT to the examination Method for summary number H-09125.</li> <li>Item Number E-15: Replace scheduling for summary number H-10696 with H-10695 for RFO-24.</li> </ul>	<ul style="list-style-type: none"> <li>Updated to reflect new rulemaking.</li> <li>Added to comply with relief request</li> <li>Summary number H-10696 is scheduled for examination during RFO-21A at the end of the third interval.</li> </ul>

# Attachment 1

## Attachment 1 Forms

Item Number E-3

Code Case N-729-4

RVCH CRDM Penetration Examinations

AUGMENTED INSERVICE INSPECTION PROGRAM ADMINISTRATION	AD-EG-ALL-1704
	Rev. 0

ATTACHMENT 1  
Page 1

### Augmented Examination Definition Form

1. Examination Title, Category, and Revision Number: Reactor Vessel Closure Head (RVCH) Penetration Volumetric and Surface Examination; HNP ISI Database Summary Nos. H-09125 (65 CRDM-type penetrations) and H-09061 (one Vent Pipe penetration); Item No E-3; Rev. 1
2. Applicable Plants or Units: HNP-1
3. Examination Owner (Organization and Individual): {7.1.1} Engineering Programs, Joe Terrell
4. Brief Description of Examination Scope: 65 CRDM-type penetrations and one Vent Pipe penetration: Volumetric and/or surface examination
5. Licensing Basis (include source licensing document references): {7.1.1}
  - FSAR 5.2.4, Inservice Inspection and Testing of Reactor Coolant Pressure Boundary, Section 5.2.4.1, System Boundary Subject to Inspection
  - ASME Code Case N-729-4, Alternative Examination Requirements for PWR Reactor Vessel Upper Heads With Nozzles Having Pressure-Retaining Partial-Penetration Welds Section XI, Division 1
  - 10 CFR 50.55a paragraphs (g)(6)(ii)(D)(2) through (4), Augmented ISI Requirements: Reactor Vessel Head Inspections
  - Relief Request I3R-09 dated May 3, 2012 (ADAMS ML12131A663) with supplement dated May 18, 2012 (ADAMS ML12139A407), and NRC Safety Evaluation dated October 2, 2012 (ADAMS ML12270A258). I3R-09 applies to penetration Nos. 5, 17, 38, and 63.
  - Relief Request I3R-11 dated May 22, 2013 (ADAMS ML13143A167) with supplement dated May 29, 2013 (ADAMS ML13150A104), and NRC Safety Evaluation dated September 13, 2013 (ADAMS ML13238A154). I3R-11 applies to penetration No. 49.
  - Relief Request I3R-13 dated November 22, 2013 (ADAMS ML13329A354) with supplement dated November 25, 2013 (ADAMS ML13330A996), and NRC Safety Evaluation dated April 11, 2014 (ADAMS ML14093A075). I3R-13 applies to penetration No. 37.
  - Relief Request I3R-15 dated April 2, 2015 (ADAMS ML15092A236) with supplements dated April 15, 2015 (ADAMS ML15105A521), April 24, 2015 (ADAMS ML15114A480), and April 29, 2015 (ADAMS ML15120A406), and NRC Safety Evaluation dated September 18, 2015 (ADAMS ML15203A702) with supplemental Safety Evaluation dated January 6, 2016 (ADAMS ML15342A043). I3R-15 applies to penetration Nos. 14, 18, and 23.
  - Relief Request I3R-16 dated October 19, 2016 (ADAMS ML16294A218) with supplements dated October 21, 2016 (ADAMS ML16295A159) and October 24, 2016 (ADAMS ML16298A133), with NRC verbal authorization dated October 27, 2016 (ADAMS ML16300A180). I3R-16 applies to penetration Nos. 30, 40, and 51.

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6. Technical Basis (include technical basis references): {7.1.1} RVCH penetrations made from Alloy 600 tubing and Alloy 82/182 weld material have been shown to be susceptible to Primary Water Stress Corrosion Cracking (PWSCC). Consequently, volumetric and surface examinations are required to be periodically performed. References: NRC Generic Letter 97-01, Degradation of Control Rod Drive Mechanism Nozzle and other Vessel Closure Head Penetrations, NRC Bulletin 2002-02, Reactor Pressure Vessel Head and Vessel Head Penetration Nozzle Inspection Programs
7. Justification for inclusion in AISI Program: These are augmented examinations that address potential PWSCC concerns due to RVCH penetrations made from Alloy 600 tubing and piping and Alloy 82/182 weld material
8. Detailed Examination Scope: CRDM-type penetrations and Vent Pipe penetration: Per ASME Code Case N-729-4, Table 1, Item No. B4.20, as conditioned by 10 CFR 50.55a(g)(6)(ii)(D)(2) through (4), perform volumetric and/or surface (eddy current testing (ECT) or penetrant testing (PT)) examination of essentially 100% of the required volume or equivalent surfaces of the nozzle tube, as identified by the examination area described in Figure 2 of ASME Code Case N-729-4 (FIGURE 1, this document). A demonstrated volumetric or surface leak path assessment through all J-groove welds shall be performed. For leaking penetrations, the meandering fluid stream pattern of the ultrasonic data display represents the leak path of the primary coolant from the pressure vessel to the atmosphere. If a surface examination is being substituted for a volumetric examination on a portion of a nozzle that is below the toe of the J-groove weld (Point E on Figure 2 of ASME Code Case N-729-4, or FIGURE 1, this document), the surface examination shall be on the penetration nozzle inside and outside wetted surface.

The HNP RVCH penetration map is provided in FIGURE 3 of this document.

- Fifty-three (53) unrepaired CRDM-type penetrations (Nos. 1 – 4, 6 – 13, 15, 16, 19 – 22, 24 – 29, 31 – 36, 39, 41 – 48, 50, 52 – 62, 64, and 65): Volumetric UT examinations and volumetric UT leak path assessments shall be performed in accordance with the requirements as described in the main body of Item 8, above.
  - CRDM-type penetrations containing thermal sleeves are identified as penetration Nos. 2 – 4, 6 – 13, 22, 24 – 29, 31 – 36, 39, 41 – 46, 48, 50, 52, 54 – 62, 64, and 65.
  - CRDM-type penetrations with open bores are identified as penetration Nos. 1, 15, 16, 19 – 21, 47, and 53.
- One (1) unrepaired Vent Pipe penetration: Surface examinations including a surface leak path assessment shall be performed in accordance with the requirements as described in the main body of Item 8, above.
- Twelve (12) repaired CRDM-type penetrations (Nos. 5, 14, 17, 18, 23, 30, 37, 38, 40, 49, 51, and 63): Surface examinations shall be performed in accordance with the requirements as described in Relief Requests I3R-09, I3R-11, I3R-13, I3R-15, and I3R-16. The AREVA Inside Diameter Temper Bead (IDTB) process was used for all CRDM-type penetration repairs. The IDTB repair process removes much of the examination area depicted in Figure 2 of ASME Code Case N-729-4 (FIGURE 1, this document). The examination area for repaired CRDM-type penetrations, defined in Relief Requests I3R-09, I3R-11, I3R-13, I3R-15, and I3R-16, is depicted in FIGURE 2 of this document, and

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satisfies the examination requirements depicted in Figure 2 of ASME Code Case N-729-4 (FIGURE 1 of this document).

- For CRDM-type penetrations containing thermal sleeves (Nos. 5, 23, 30, 37, 38, 40, 63): Eddy Current Testing (ECT) is used to examine the CRDM-type tubing above the repair weld and the repair weld surface (Area A-B-C in FIGURE 2, this document). Liquid Penetrant Testing (PT) is used to examine the lower tapered portion of the repair weld (Area C-D in FIGURE 2, this document).
- For CRDM-type penetrations with open bores (Nos. 14, 17, 18, 49, and 51): PT is used for the entire examination area (Area A-B-C-D in FIGURE 2, this document).

9. Examination Schedule:

Beginning Outage: RFO-21, April 2018

Ending Outage: End of License

10. Examination Frequency and Duration: {7.1.1} Per ASME Code Case N-729-4 Table 1, volumetric and/or surface examination shall occur every refueling outage once flaws attributed to PWSCC have been identified. During RFO-17 (Spring 2012), flaws attributed to PWSCC were first identified in the HNP RVCH.

11. Schedule Flexibility: None

12. Other Scheduling Comments: None

13. Examination Method: Volumetric: UT; surface: ECT or PT

14. Examination Surface and Volume Boundary Requirements: Per ASME Code Case N-729-4, Table 1, Item No. B4.20, as conditioned by 10 CFR 50.55a(g)(6)(ii)(D)(2) through (4) the examination surface is the ID. Volume requirements are shown in FIGURES 1 and 2 (this document).

15. Examination Procedures:

- UT: In accordance with Vendor procedures, TBD
- ECT: In accordance with Vendor procedures, TBD
- PT: In accordance with Vendor procedures, TBD

16. Calibration Requirements: All applicable calibration requirements are stated in the examination procedures referenced in Item 15.

17. Mock-up Requirements: None

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18. Personnel Qualifications:

- ASME Code Case N-729-4 Paragraph -2500 describes the requirements, including personnel qualifications, for performing ultrasonic and surface examinations.
- 10 CFR 50.55a(g)(6)(ii)(D)(2) requires NRC approval prior to implementing Appendix I of ASME Code Case N-729-4.

19. Acceptance Criteria: {7.1.1}

- ASME Code Case N-729-4 Paragraph -3130
- 10 CFR 50.55a(g)(6)(ii)(D)(4) requires that a component whose surface examination detects rounded indications greater than allowed in Paragraph NB-5352 in size on the partial-penetration or associated filled weld shall be classified as having an unacceptable indication and corrected in accordance with the provisions of Paragraph -3132.2 of ASME Code Case N-729-4.

20. Requirements for Examination Coverage: See Item 8.

21. ANII Requirements: Review and acceptance of procedures, qualifications, and results (ASME Section XI, IWA-2110)

22. Reporting Requirements: The FINAL examination results are documented in the ISI examination FINAL report for the outage.

23. Other Requirements: None

24. Piping System or Component Designation: RVCH

25. ISI Class: ASME Class 1

26. Flow Diagram Number: 5-G-0800

27. Other Reference Document Number:

- ISI Drawing 1-ISI-RV-A600
- AR 2137971, Evaluate Impact of Final 10 CFR 50.55a Rule

28. Nominal Pipe Size: CRDM-type tubing: 4 in. OD; Vent Pipe: 1 in. OD

29. Schedule or Thickness: CRDM-type tubing: 0.626 in.; Vent Pipe: SCH 160

30. Material Type:

- CRDM-type tubing, Vent Pipe: Alloy 600, ASME SB-167 N06600
- CRDM-type tubing, Vent Pipe J-groove welds: Alloy 182, ASME SFA-5.11

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- RVCH dome: Low alloy steel, ASME SA-533 Gr. B. Cl. 1

31. Material Specification: See Item 30

32. Welding Isometric Number: N/A

33. Weld Number: N/A

34. Weld Type: Partial-penetration, J-groove welds attaching the CRDM-type tubing and Vent Pipe to the inside surface of the RVCH

35. Weld Configuration: See FIGURES 1 and 2 (this document)

36. Other Pertinent Information: None



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*Joseph B. Terrell* / Joseph B. Terrell      Date: 09/06/2017  
Augmented Examination Owner (Signature and Printed Name)

*Adam Zimandy* / Adam Zimandy      Date: 9/11/17  
Technical accuracy verified: Independent Review (Signature and Printed Name)

*Angela Steller* / Angela Steller      Date: 9/7/2017  
Approved to include in program: Site AISI Program Manager (Signature and Printed Name)

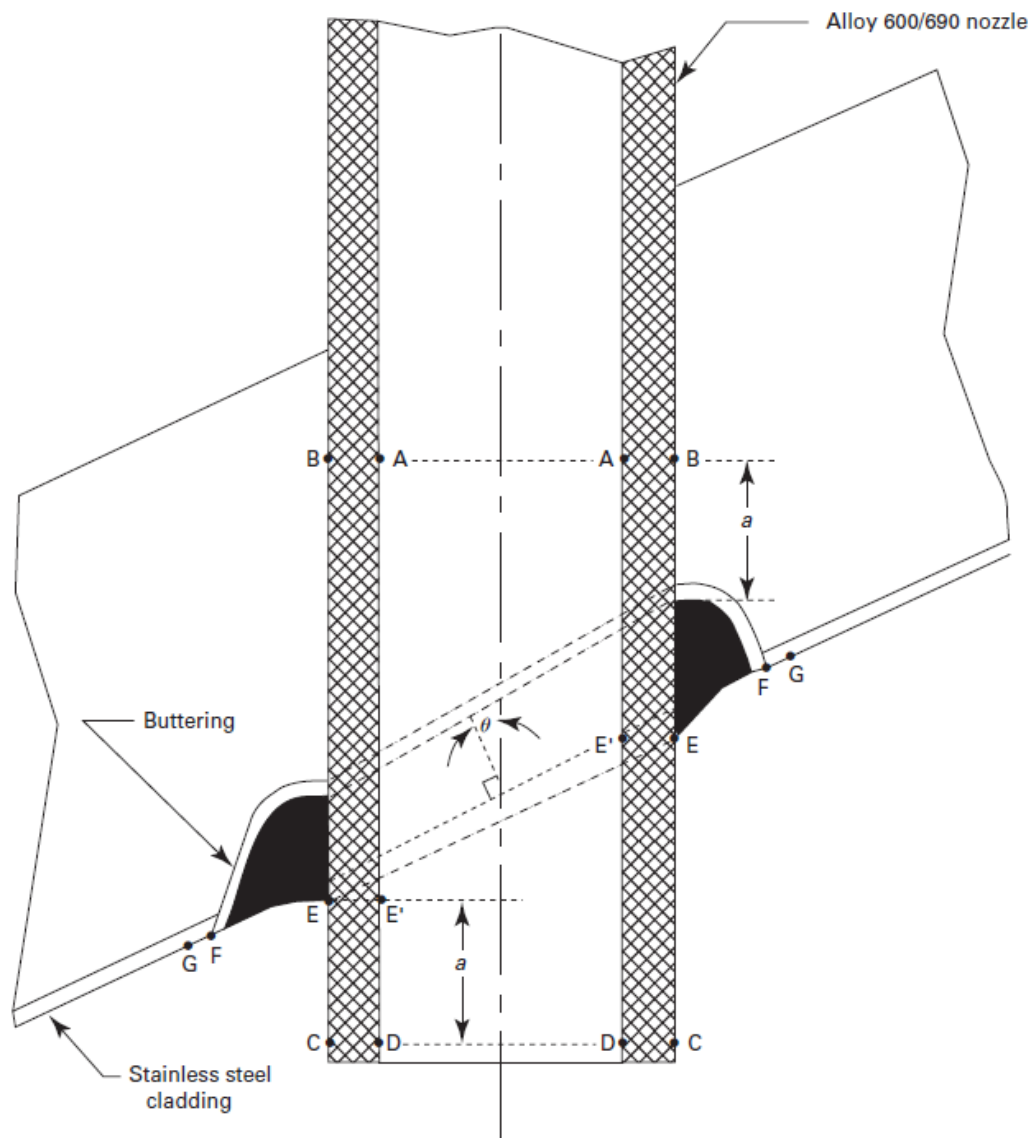
*Mark J. Forcisi* / Mark J. Forcisi      Date: 09/12/2017  
Approved to include in program: Fleet AISI Program Manager (Signature and Printed Name)

*Joseph B. Terrell* / Joseph B. Terrell      Date: 09/12/2017  
Examination Owner Concurrence of AISI Plan and Schedule Change

Copy and Notification Distribution List:

- Site AISI Program Manager
- Fleet AISI Program Manager
- Augmented Examination Owner
- Site ISI Program Owner (if different from AISI Program Owner)
- Fleet ISI Program Owner (if different from AISI Program Owner)
- AISI Program Notebook
- Site ISI Coordinator
- NDE Principle Level III for Examination Methods

FIGURE 1  
ASME Code Case N-729-4 Examination Volume for Nozzle Base Metal  
and Examination Area for Weld and Nozzle Base Metal



Legend:

- $a = 1.5$  in. (38 mm) for Incidence Angle,  $\theta, \leq 30$  deg and for all nozzles  $\geq 4.5$  in. (115 mm) OD or 1 in. (25 mm) for Incidence Angle,  $\theta, > 30$  deg; or to the end of the tube, whichever is less
- $A-B-C-D$  = extent of volumetric examination for the tube (base metal)
- $A-D$  = extent of surface examination for the tube inside surface
- $G-F = \frac{1}{4}$  in. (6 mm) from the theoretical point "F" in accordance with the design drawings, including tolerances, unless the point "F" can be physically determined.
- $G-F-E-C$  = extent of surface examination for the J-groove weld (filler metal and buttering) and tube outside surface below the weld
- $G-F-E$  = extent of surface examination zone for the J-groove weld (filler metal and buttering)

FIGURE 2  
Repaired CRDM Nozzle ISI Examination Area as Approved in HNP Relief Requests

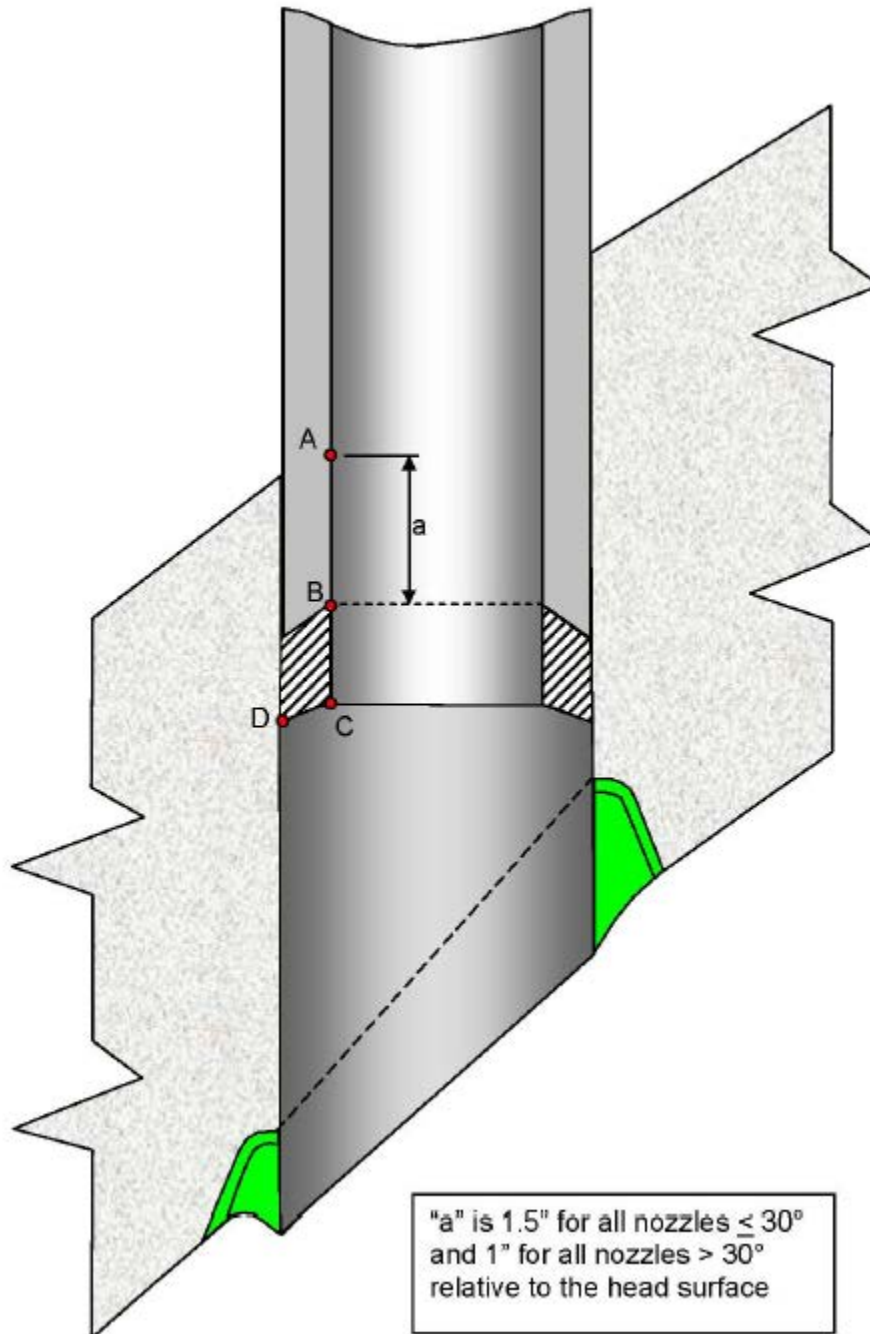
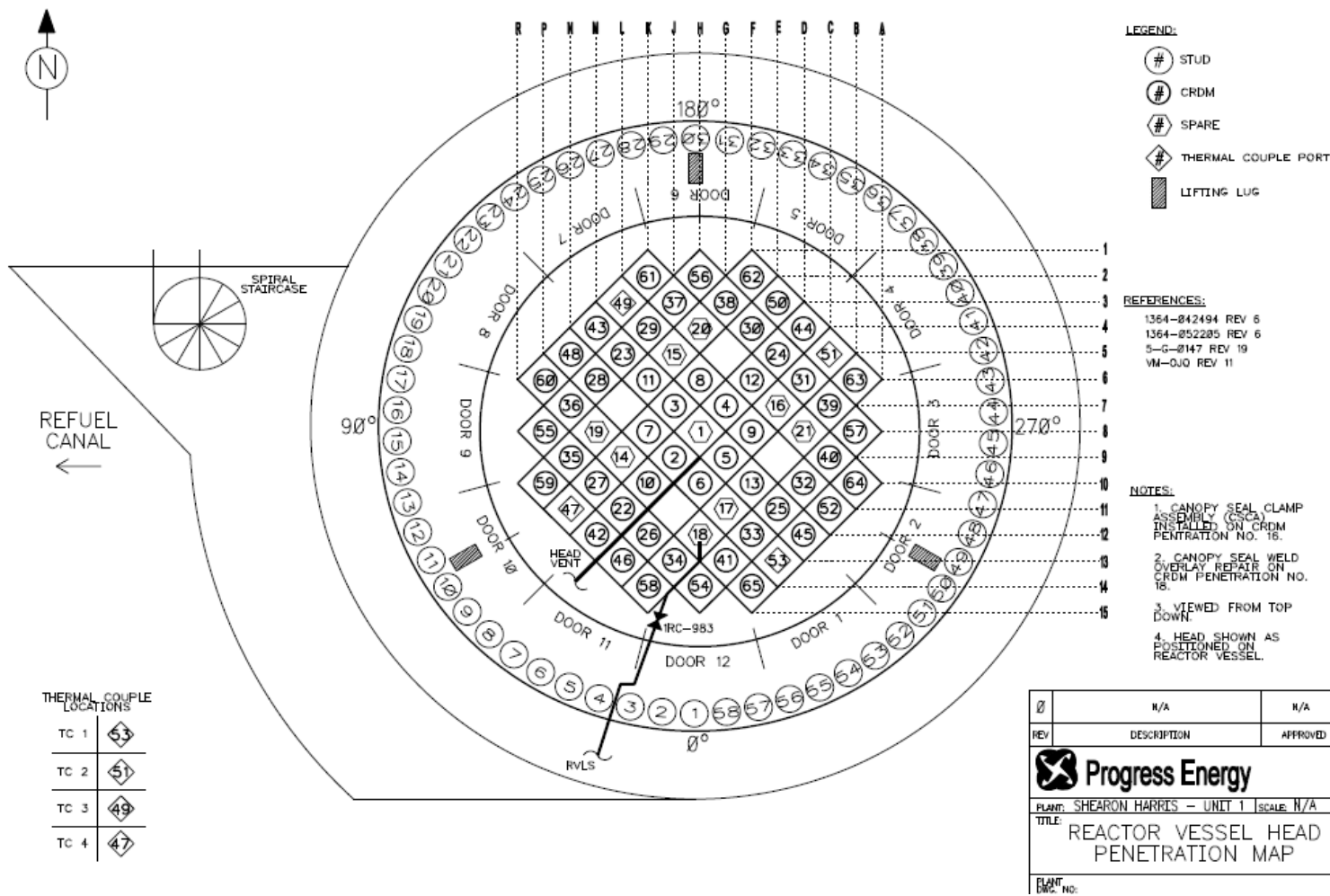


FIGURE 3  
HNP RVCH Penetration Map



Item Number E-3

Code Case N-729-4

RVCH Bare Metal Visual Examination

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### Augmented Examination Definition Form

1. Examination Title, Category, and Revision Number: Reactor Vessel Closure Head (RVCH) Bare Metal Visual Examination; HNP ISI Database Summary No. H-03803; Item No. E-3; Rev. 1
2. Applicable Plants or Units: HNP-1
3. Examination Owner (Organization and Individual): {7.1.1} Engineering Programs, Joe Terrell
4. Brief Description of Examination Scope: Per ASME Code Case N-729-4, the VE shall consist of direct examination of the bare metal surface of the entire outer surface of the RVCH, including essentially 100% of the intersection of each nozzle with the RVCH.
5. Licensing Basis (include source licensing document references): {7.1.1} FSAR 5.2.4, Inservice Inspection and Testing of Reactor Coolant Pressure Boundary, Section 5.2.4.1, System Boundary Subject to Inspection; ASME Code Case N-729-4, Alternative Examination Requirements for PWR Reactor Vessel Upper Heads With Nozzles Having Pressure-Retaining Partial-Penetration Welds Section XI, Division 1; as conditioned by 10 CFR 50.55a paragraphs (g)(6)(ii)(D)(2) through (4), Augmented ISI requirements: Reactor Vessel Head Inspections
6. Technical Basis (include technical basis references): {7.1.1} RVCH penetrations made from Alloy 600 tubing and Alloy 82/182 weld material have been shown to be susceptible to Primary Water Stress Corrosion Cracking (PWSCC). Consequently, bare metal visual examinations are required to be periodically performed. References: NRC Generic Letter 97-01, Degradation of Control Rod Drive Mechanism Nozzle and other Vessel Closure Head Penetrations, NRC Bulletin 2002-02, Reactor Pressure Vessel Head and Vessel Head Penetration Nozzle Inspection Programs
7. Justification for inclusion in AISI Program: These are augmented examinations that address potential PWSCC concerns due to RVCH penetrations made from Alloy 600 tubing and piping and Alloy 82/182 weld material, and are required per 10 CFR 50.55a(g)(6)(ii)(D)(1).
8. Detailed Examination Scope: Per ASME Code Case N-729-4, Table 1, Item B4.10:
  - Perform VE direct examination of the bare metal surface of the entire outer surface of the RVCH, including essentially 100% of the intersection of each nozzle with the RVCH. If welded or bolted obstructions are present (i.e., mirror insulation, insulation support feet, shroud support ring/lug), the examination shall include ≥95% of the area in the region of the nozzles as defined in FIGURE 1 (this document) and the head surface uphill and downhill of any such obstructions. The examination may be performed with insulation in place using remote equipment that provides resolution of the component metal surface equivalent to a bare-metal direct examination.
  - The examination may be performed with the system depressurized.
  - The examination shall be performed with an illumination level and a sufficient distance to allow resolution of lower case characters not greater than 0.105 in. (2.7 mm) in height.
9. Examination Schedule: Beginning Outage: RFO-21, S2018 Ending Outage: End of license

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10. Examination Frequency and Duration: {7.1.1}

- Per ASME Code Case N-729-4, Table 1, Item B4.10: Visual examination shall occur every refueling outage.
- Per 10 CFR 50.55a(g)(6)(ii)(D)(3): Relaxation of VE inspection frequency does not apply to HNP, since the HNP RVCH has experienced PWSCC flaws.

11. Schedule Flexibility: None

12. Other Scheduling Comments: None

13. Examination Method: VE (visual examination)

14. Examination Surface and Volume Boundary Requirements: Per ASME Code Case N-729-4, Table 1 Item No. B4.10, the examination surface is the OD, and consists of the entire outer surface of the RVCH, including essentially 100% of the intersection of each nozzle with the RVCH.

15. Examination Procedures: In accordance with Vendor procedures, TBD

16. Calibration Requirements: None

17. Mock-up Requirements: None

18. Personnel Qualifications: Per ASME Code Case N-729-4, Table 1, Item No B4.10, personnel performing the VE shall be qualified as a VT-2 visual examiner and shall have completed at least four (4) hr of additional training in detection of borated water leakage from UNS N06600, UNS N06082 or UNS W86182 components and the resulting boric acid corrosion of adjacent ferritic steel components.

19. Acceptance Criteria: {7.1.1} ASME Code Case N-729-4 Paragraph -3140

20. Requirements for Examination Coverage: Per ASME Code Case N-729-4, Table 1, Item No B4.10, the entire outer surface of the RVCH, including essentially 100% of the intersection of each nozzle with the head.

21. ANII Requirements: Review and acceptance of procedures, qualifications, and results (ASME Section XI . IWA-2110)

22. Reporting Requirements: The FINAL examination results are documented in the ISI examination FINAL report for the outage.

23. Other Requirements: None

24. Piping System or Component Designation: RVCH outer surface

25. ISI Class: ASME Class 1

26. Flow Diagram Number: 5-G-0800

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27. Other Reference Document Number:

- ISI Drawing 1-ISI-RV-A600
- AR 2137971, Evaluate Impact of Final 10 CFR 50.55a Rule

28. Nominal Pipe Size: CRDM tubing: 4 in. OD; Vent Pipe: 1 in. OD

29. Schedule or Thickness: CRDM tubing: 0.626 in.; Vent Pipe: SCH 160

30. Material Type:

- CRDM and RVLIS tubing, and Vent Pipe: Alloy 600, ASME SB-167 N06600
- RVCH dome: Low alloy steel, SA-533 Gr B, Cl 1

31. Material Specification: See Item 30

32. Welding Isometric Number: N/A

33. Weld Number: N/A

34. Weld Type: N/A


35. Weld Configuration: N/A

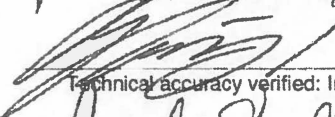
36. Other Pertinent Information: None




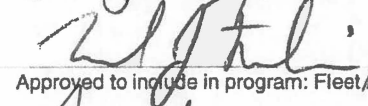
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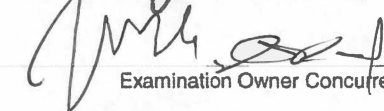
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 / Joseph B. Terrell      Date: 09/06/2017  
 Augmented Examination Owner (Signature and Printed Name)

 / Adam Zimandy      Date: 9/11/17  
 Technical accuracy verified: Independent Review (Signature and Printed Name)

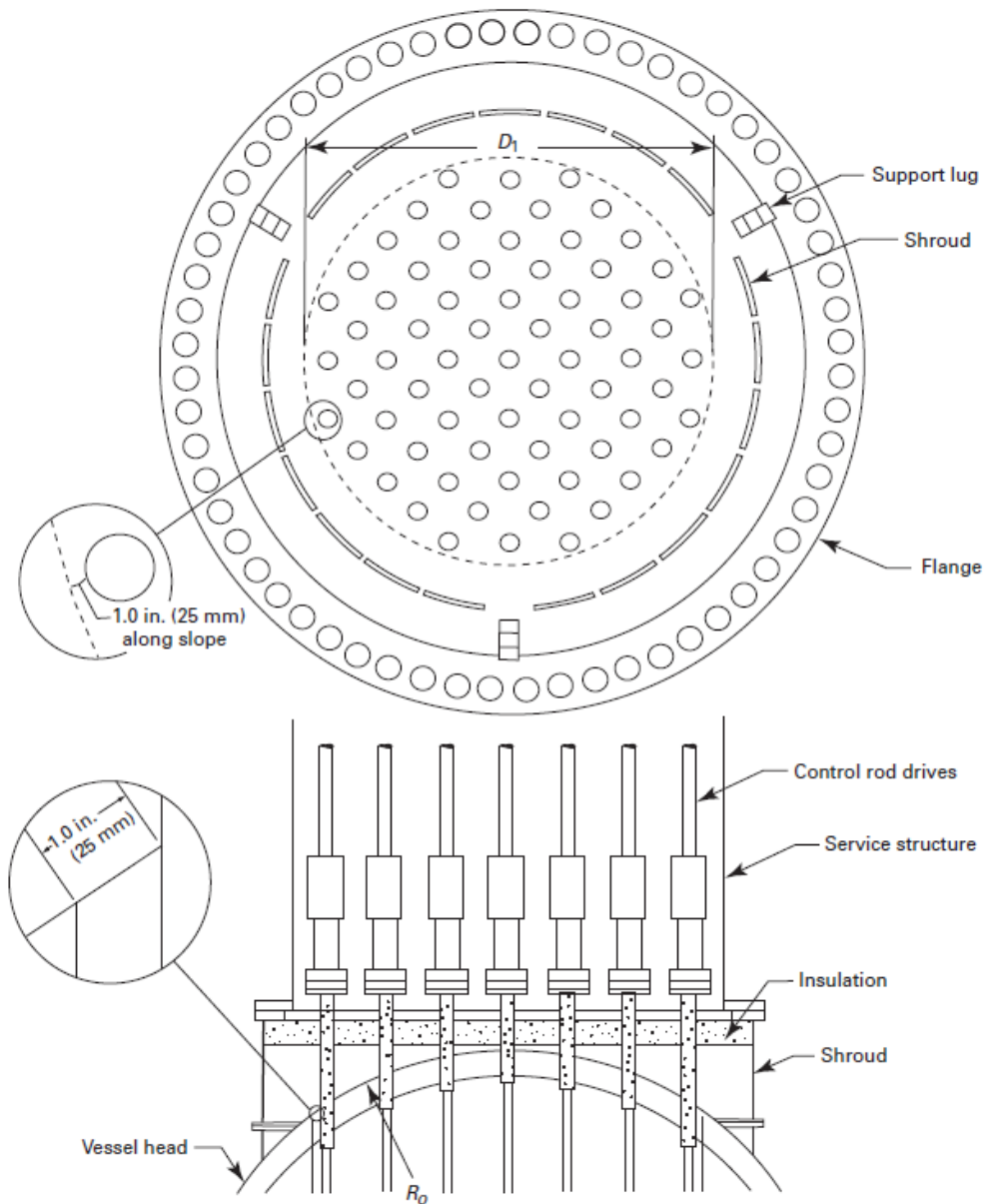
 / Angela Stellar      Date: 9/7/2017  
 Approved to include in program: Site AISI Program Manager (Signature and Printed Name)

 / Mark J. Forlisi      Date: 09/12/2017  
 Approved to include in program: Fleet AISI Program Manager (Signature and Printed Name)

 / Joseph B. Terrell      Date: 09/12/2017  
 Examination Owner Concurrence of AISI Plan and Schedule Change

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  - Fleet AISI Program Manager
  - Augmented Examination Owner
  - Site ISI Program Owner (if different from AISI Program Owner)
  - Fleet ISI Program Owner (if different from AISI Program Owner)
  - AISI Program Notebook
  - Site ISI Coordinator
  - NDE Principle Level III for Examination Methods

FIGURE 1  
PWR Reactor Vessel Upper Head Extent of Visual Examination  
(Ref: ASME Code Case N-729-4 Fig. 1)



$$A = 2\pi R_0 \left[ R_0 - \sqrt{R_0^2 - (D_1/2)^2} \right]$$

$A_{\text{obstruct}}$  = area on head outer surface obstructed within  $D_1$

$$\frac{A - A_{\text{obstruct}}}{A} \geq 0.95$$

Item Number E-15  
Code Case N-770-2  
Hot Leg Examinations

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### Augmented Examination Definition Form

1. Examination Title, Category, and Revision Number: Reactor Vessel Hot Leg-to-Nozzle Weld Examination; HNP ISI Database Summary No. H-09631 ('A' Loop), H-09633 ('B' Loop), H-09635 ('C' Loop); Rev. 1
2. Applicable Plants or Units: HNP-1
3. Examination Owner (Organization and Individual): {7.1.1} Engineering Programs, Joe Terrell
4. Brief Description of Examination Scope: Volumetric examination of Reactor Vessel hot leg nozzle-to-safe end dissimilar metal Alloy 82/182 butt welds
5. Licensing Basis (include source licensing document references): {7.1.1}
  - a. FSAR 5.2.4, Inservice Inspection and Testing of Reactor Coolant Pressure Boundary, Section 5.2.4.1, System Boundary Subject to Inspection
  - b. ASME Code Case N-770-2, Alternative Examination Requirements and Acceptance Standards for Class 1 PWR Piping and Vessel Nozzle Butt Welds Fabricated With UNS N06082 or UNS W86182 Weld Filler Material With or Without Application of Listed Mitigation Activities Section XI, Division 1
  - c. 10 CFR 50.55(a)(g)(6)(ii)(F)(2) through (13), Augmented ISI requirements: Examination requirements for Class 1 piping and nozzle dissimilar-metal butt welds
6. Technical Basis (include technical basis references): {7.1.1} Reactor Vessel nozzle-to-safe end dissimilar metal Alloy 82/182 butt welds have been shown to be susceptible to Primary Water Stress Corrosion Cracking (PWSCC). Consequently, volumetric examinations are required to be periodically performed. References:
  - a. INPO SEN 216, leakage from Reactor Vessel Nozzle-to-Hot Leg Weld (V. C. Summer), November 21, 2000
  - b. INPO ICES 234601, Flaw Detected in Reactor Pressure Vessel Nozzle-to-Safe End Weld Prior to Mechanical Stress Improvement Process Application (Salem Unit 1), (OE28974)
  - c. INPO ICES 239879, Outage impacted due to failure of nozzle in Reactor Coolant System (PWR) piping nozzle/safe end that supports \*Rctr Vessel 1RCE1 (Seabrook Unit 1)
7. Justification for inclusion in AISI Program: These are augmented examinations required by 10 CFR 50.55(a) that address potential PWSCC concerns due to dissimilar metal Alloy 82/182 butt welds.
8. Detailed Examination Scope: Per ASME Code Case N-770-2 as conditioned by 10 CFR 50.55(a)(g)(6)(ii)(F)(2) through (13):
  - a. Per Paragraph -2200 and Table 1: The applicable Inspection Item category is "D" for uncracked butt welds mitigated with stress improvement.

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The hot leg butt welds were mitigated using Mechanical Stress Improvement (MSIP) during RFO-16 (F2010). Per Table 1 Note 12, pre- and post-volumetric examinations were performed. No cracking was identified.

- b. Per Table 1, Examination Method column: UT volumetric examination shall be used and shall meet the applicable requirements of Appendix VIII.
- c. First examinations after stress improvement (per Table 1, Extent and Frequency of Examination column):
  - o Examine all welds no sooner than the third refueling outage and no later than 10 years following stress improvement application. Examination volumes that show no indication of cracking shall be placed into a population to be examined on a sample basis.
- d. Subsequent examinations (per Table 1, Extent and Frequency of Examination column):
  - o 25% of the population shall be added to the ISI Program in accordance with Paragraph -2410 and shall be examined once each inspection interval.
  - o The 25% sample shall consist of the same welds in the same sequence during successive intervals to the extent practical provided the 25% sample contains the welds that experience the highest operating temperature in the Inspection Item. Those welds not included in the 25% sample shall be examined prior to the end of the mitigation evaluation period if the plant is to be operated beyond that time.

9. Examination Schedule:

Beginning Outage: RFO-21, S2018. The examinations occurring in RFO-21 constitute the first inservice examinations after stress improvement (see Item 8.c.).

Ending Outage: End of license

See HNP-PM4-007 for actual examination schedule by outage.

10. Examination Frequency and Duration: {7.1.1}

Frequency: See Item 8. Duration: See Item 9.

11. Schedule Flexibility: Per ASME Code Case N-770-2 Table 1:

- a. The first examinations following stress improvement shall be performed as specified.  
The first examinations following stress improvement must be performed no later than RFO-22.
- b. Subsequent examinations may be deferred to the end of the interval, provided no additional repair/replacement activities have been performed on the examination item, and no flaws or relevant conditions requiring successive examination in accordance with Table 1 are contained in the mitigated weld.

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12. Other Scheduling Comments: The hot leg nozzle-to-safe end welds for all three loops are scheduled be examined in RFO-21.
13. Examination Method: UT
14. Examination Surface and Volume Boundary Requirements:
  - a. Per ASME Code Case N-770-2, Table 1: For stress improvement without welding, the required examination volume is shown in Figure 1 (FIGURE 1, this document). The examination surface is the ID.
  - b. FIGURE 2 (this document) depicts the different materials that comprise the weld configuration.
15. Examination Procedures: In accordance with Vendor procedures (TBD)
16. Calibration Requirements: In accordance with Vendor procedures (TBD)
17. Mock-up Requirements: None. Examinations are performed from the ID, therefore no mock-ups are required.
18. Personnel Qualifications: In accordance with Vendor procedures (TBD)
19. Acceptance Criteria: {7.1.1} ASME Code Case N-770-2 Paragraph -3130
20. Requirements for Examination Coverage: Per 10 CFR 50.55(a)(g)(6)(ii)(F)(4), when implementing Paragraph -2500(a) of ASME BPV Code Case N-770-2, essentially 100% of the required volumetric examination coverage shall be obtained, including greater than 90% of the volumetric examination coverage for circumferential flaws. Licensees are prohibited from using Paragraphs -2500(c) and -2500(d) of ASME BPV Code Case N-770-2 to meet examination requirements.
21. ANII Requirements: ASME Section XI, IWA-2110, Duties of the Inspector
22. Reporting Requirements:
  - a. Per 10 CFR 50.55(a)(g)(6)(ii)(F)(6): For any mitigated weld whose volumetric examination detects growth of existing flaws in the required examination volume that exceed the previous IWB-3600 flaw evaluations or new flaws, a report summarizing the evaluation, along with inputs, methodologies, assumptions, and causes of the new flaw or flaw growth is to be provided to the NRC prior to the weld being placed in service other than Modes 5 or 6.
  - b. The FINAL examination results are documented in the ISI examination FINAL report for the outage.
23. Other Requirements: None
24. Piping System or Component Designation: Reactor Coolant System
25. ISI Class: Class 1

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26. Flow Diagram Number: 5-G-0800
27. Other Reference Document Number:
- a. HNP-PM4-007, Augmented Inservice Inspection (AIS) Plan and Schedule
  - b. 1-ISI-RV-A600, Reactor Vessel
  - c. 1364-002680, Primary Coolant Loop Piping Shop Details, 11 Sheets
  - d. 5-G-0163, Reactor Primary Coolant Loop Piping & Connections Unit 1
  - e. 1364-053693, Reactor Vessel Summary Stress Report
  - f. AR 2137971, Evaluate Impact of Final 10 CFR 50.55a Rule
28. Nominal Pipe Size: Per EDB and drawing 1364-002680, piping is 29 in. ID
29. Schedule or Thickness: Per drawing 5-G-0163, nominal thickness is calculated to be 2.33 in.
30. Material Type:
- a. Piping: ASME SA-376 Grade TP304 stainless steel
  - b. Nozzle: ASME SA-508 Cl. 2 alloy steel
31. Material Specification: See Item 30
32. Welding Isometric Number: Welding isometric drawings could not be located. However, fabrication weld data reports for each of the three welds can be found as Attachment Z07R0 in EC 274216, Alloy 600 Mitigation for Reactor Vessel Hot and Cold Leg Nozzle Dissimilar Metal Welds.
33. Weld Number:

ISI Summary No.	Loop	Tag/Line No.	ISI Weld No.	ISI Component ID
H-09631	A	1RC29-1SN-1	1-RC-1-FW-1	II-RV-001RVNOZAO-N-06SE
H-09633	B	1RC29-4SN-1	1-RC-2-FW-1	II-RV-001RVNOZBO-N-02SE
H-09635	C	1RC29-7SN-1	1-RC-3-FW-1	II-RV-001RVNOZCO-N-04SE

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34. Weld Type:

- a. Butt weld: Alloy 82, ASME Section II-C, Specification SFA-5.14, Classification ERNiCr-3
- b. Butter: Alloy 182, ASME Section II-C, Specification SFA-5-11, Classification ENiCrFe-3

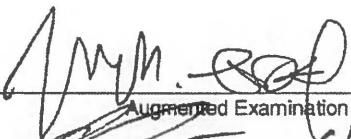
35. Weld Configuration: See Item 34 and FIGURE 2.

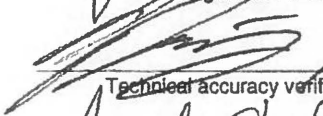
36. Other Pertinent Information: None




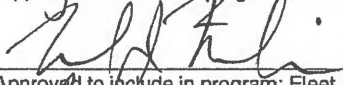
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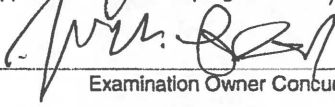
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 / Joseph B. Terrell      Date: 08/23/2017  
 Augmented Examination Owner (Signature and Printed Name)

 / Adam Zimandy      Date: 08/30/2017  
 Technical accuracy verified: Independent Review (Signature and Printed Name)

 (Angela Staller)      Date: 8/29/2017  
 Approved to include in program: Site AISI Program Manager (Signature and Printed Name)

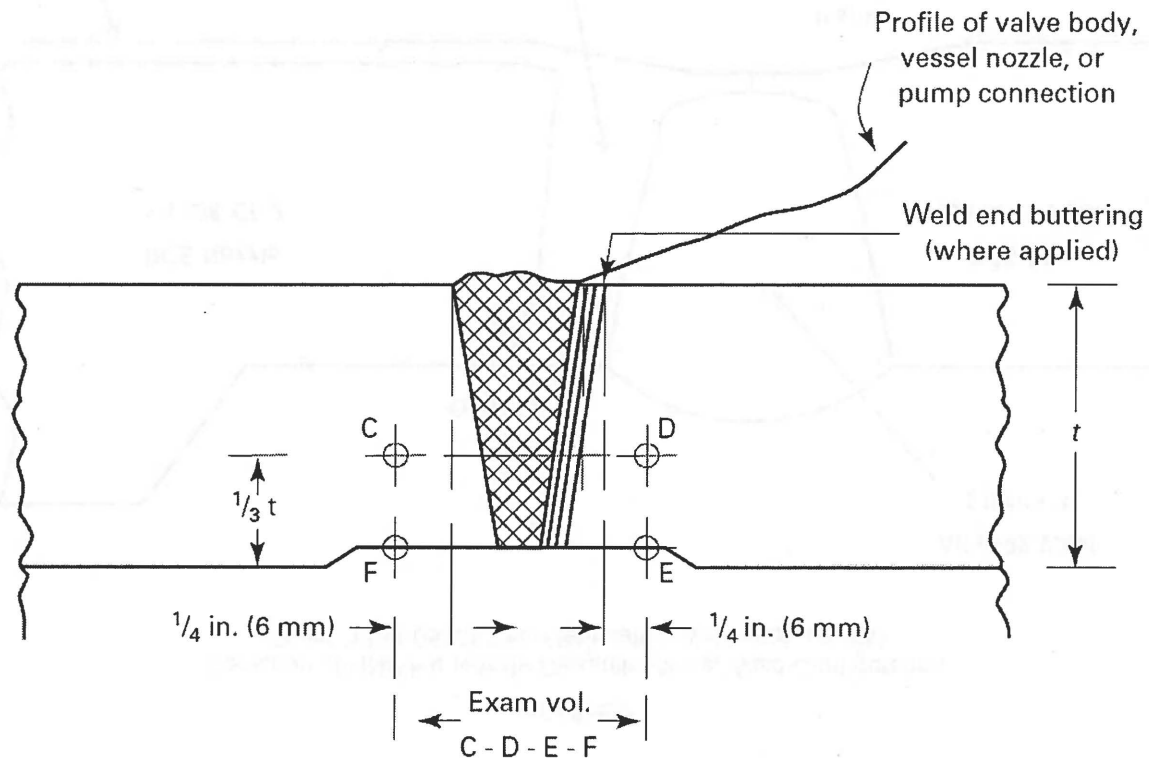
 / MARK J. FORLISI      Date: 8/31/2017  
 Approved to include in program: Fleet AISI Program Manager (Signature and Printed Name)

 / Joseph B. Terrell      Date: 9/5/2017  
 Examination Owner Concurrence of AISI Plan and Schedule Change

- Copy and Notification Distribution List:
- Site AISI Program Manager
  - Fleet AISI Program Manager
  - Augmented Examination Owner
  - Site ISI Program Owner (if different from AISI Program Owner)
  - Fleet ISI Program Owner (if different from AISI Program Owner)
  - AISI Program Notebook
  - Site ISI Coordinator
  - NDE Principle Level III for Examination Methods

FIGURE 1

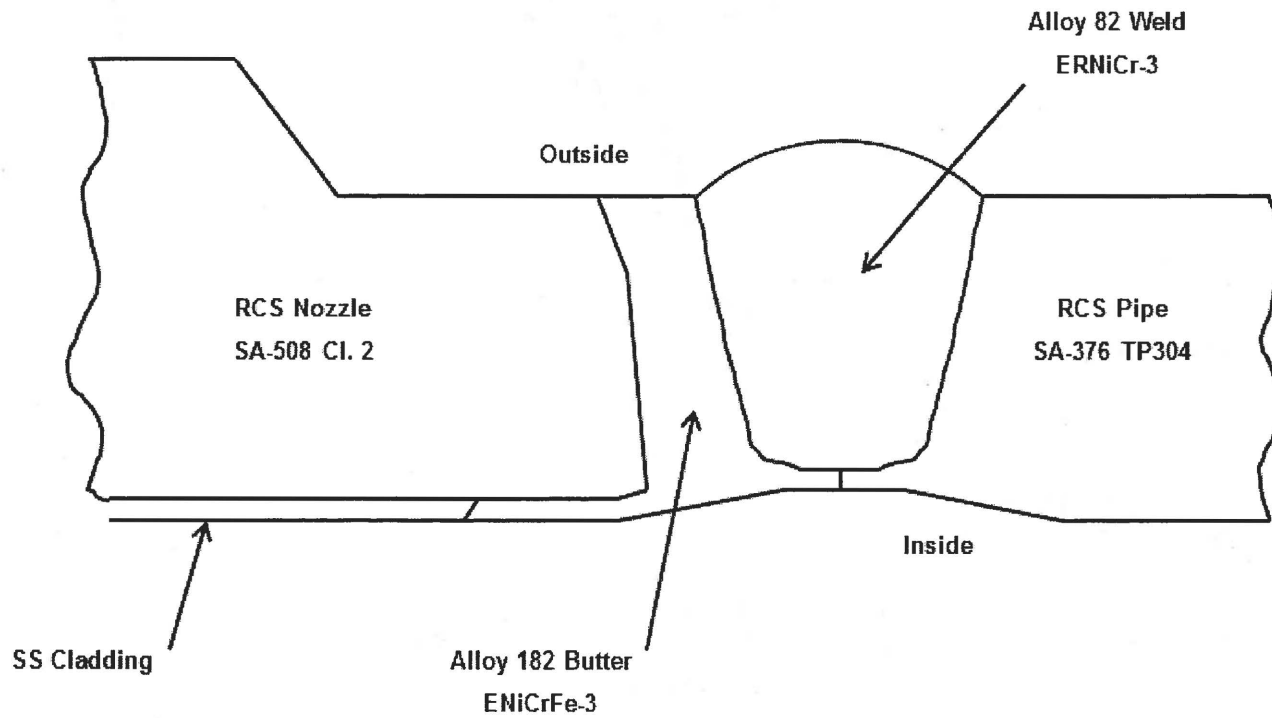
Examination Volume in Welds NPS 2 (DN 50) or Larger  
(Ref: ASME Code Case N-770-2 Fig. 1)



GENERAL NOTE: When weld end buttering is present, on both sides, the examination surface and volume shall be measured from the end of both butterings. It may include remnants of replaced welds, and may appear artificially deep on exposed surfaces due to fabrication processes. Buttering thickness may be determined from manufacturer's drawings or assumed to be  $\frac{1}{2}$  in. If the true dimension is unknown.

FIGURE 2

Depiction of HNP RV Nozzle Dissimilar Metal Weld Configuration  
(Refs: 1364-053693 and fabrication weld data reports)



Item Number E-15  
Code Case N-770-2  
Cold Leg Examinations

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### Augmented Examination Definition Form

1. Examination Title, Category, and Revision Number: Reactor Vessel Cold Leg-to-Nozzle Weld Examination; HNP ISI Database Summary No. H-09630 ('A' Loop), H-09632 ('B' Loop), H-09634 ('C' Loop); Rev. 1
2. Applicable Plants or Units: HNP-1
3. Examination Owner (Organization and Individual): {7.1.1} Engineering Programs, Joe Terrell
4. Brief Description of Examination Scope: Volumetric examination of Reactor Vessel cold leg nozzle-to-safe end dissimilar metal Alloy 82/182 butt welds
5. Licensing Basis (include source licensing document references): {7.1.1}
  - a. FSAR 5.2.4, Inservice Inspection and Testing of Reactor Coolant Pressure Boundary, Section 5.2.4.1, System Boundary Subject to Inspection
  - b. ASME Code Case N-770-2, Alternative Examination Requirements and Acceptance Standards for Class 1 PWR Piping and Vessel Nozzle Butt Welds Fabricated With UNS N06082 or UNS W86182 Weld Filler Material With or Without Application of Listed Mitigation Activities Section XI, Division 1
  - c. 10 CFR 50.55(a)(g)(6)(ii)(F)(2) through (13), Augmented ISI requirements: Examination requirements for Class 1 piping and nozzle dissimilar-metal butt welds
6. Technical Basis (include technical basis references): {7.1.1} Reactor Vessel nozzle-to-safe end dissimilar metal Alloy 82/182 butt welds have been shown to be susceptible to Primary Water Stress Corrosion Cracking (PWSCC). Consequently, volumetric examinations are required to be periodically performed. References:
  - a. INPO SEN 216, leakage from Reactor Vessel Nozzle-to-Hot Leg Weld (V. C. Summer), November 21, 2000
  - b. INPO ICES 234601, Flaw Detected in Reactor Pressure Vessel Nozzle-to-Safe End Weld Prior to Mechanical Stress Improvement Process Application (Salem Unit 1), (OE28974)
  - c. INPO ICES 239879, Outage impacted due to failure of nozzle in Reactor Coolant System (PWR) piping nozzle/safe end that supports \*Rctr Vessel 1RCE1 (Seabrook Unit 1)
7. Justification for inclusion in AISI Program: These are augmented examinations required by 10 CFR 50.55(a) that address potential PWSCC concerns due to dissimilar metal Alloy 82/182 butt welds.
8. Detailed Examination Scope: Per ASME Code Case N-770-2 as conditioned by 10 CFR 50.55(a)(g)(6)(ii)(F)(2) through (13):
  - a. Per Paragraph -2200 and Table 1: The applicable Inspection Item category is "B" for unmitigated butt weld at Cold Leg operating temperature (Paragraph -2410) ≥525°F (274°C) and <580°F (304°C).

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- b. Per 10 CFR 50.55(a)(g)(6)(ii)(F)(3), baseline examinations were completed in RFO-17 (S2012), which was the next refueling outage after January 20, 2012. No cracking was identified.
- c. Per Table 1, Examination Method column: UT volumetric examination shall be used and shall meet the applicable requirements of Appendix VIII.
- d. Per 10 CFR 50.55(a)(g)(6)(ii)(F)(13), ultrasonic examination of non-mitigated dissimilar metal butt welds in the reactor coolant pressure boundary must be performed in accordance with the requirements of Table 1 for Inspection Item B for 100% of the required inspection volume using an encoded method.

9. Examination Schedule:

Beginning Outage: RFO-21, S2018

Ending Outage: End of license

See HNP-PM4-007 for actual examination schedule by outage.

10. Examination Frequency and Duration: {7.1.1}

Frequency: Per ASME Code Case N-770-2 Table 1, Extent and Frequency column, and as conditioned by 10 CFR 50.55(a)(g)(6)(ii)(F)(2) through (13): Volumetric examinations shall be performed every second inspection period not to exceed 7 years.

Duration: See Item 9.

11. Schedule Flexibility: None for RFO-21. After RFO-21 there is flexibility as long as the frequency described in Item 10 is met.

12. Other Scheduling Comments: The cold leg nozzle-to-safe end welds for all three loops are scheduled to be examined in RFO-21.

13. Examination Method: UT

14. Examination Surface and Volume Boundary Requirements:

- a. Per ASME Code Case N-770-2, Table 1: The required examination volume is shown in Figure 1 (FIGURE 1 this document). The examination surface is the ID.
- b. FIGURE 2 (this document) depicts the different materials that comprise the weld configuration.

15. Examination Procedures: In accordance with Vendor procedures, TBD

16. Calibration Requirements: In accordance with Vendor procedures, TBD

17. Mock-up Requirements: None. Examinations are performed from the ID, therefore no mock-ups are required.

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18. Personnel Qualifications: In accordance with Vendor procedures, TBD
19. Acceptance Criteria: {7.1.1} ASME Code Case N-770-2 Paragraph -3130
20. Requirements for Examination Coverage: Per 10 CFR 50.55(a)(g)(6)(ii)(F)(4), when implementing Paragraph -2500(a) of ASME BPV Code Case N-770-2, essentially 100% of the required volumetric examination coverage shall be obtained, including greater than 90% of the volumetric examination coverage for circumferential flaws. Licensees are prohibited from using Paragraphs -2500(c) and -2500(d) of ASME BPV Code Case N-770-2 to meet examination requirements.
21. ANII Requirements: ASME Section XI, IWA-2110, Duties of the Inspector
22. Reporting Requirements:
  - a. Per 10 CFR 50.55(a)(g)(6)(ii)(F)(6): For any mitigated weld whose volumetric examination detects growth of existing flaws in the required examination volume that exceed the previous IWB-3600 flaw evaluations or new flaws, a report summarizing the evaluation, along with inputs, methodologies, assumptions, and causes of the new flaw or flaw growth is to be provided to the NRC prior to the weld being placed in service other than Modes 5 or 6.
  - b. The FINAL examination results are documented in the ISI examination FINAL report for the outage.
23. Other Requirements: None
24. Piping System or Component Designation: Reactor Coolant System
25. ISI Class: Class 1
26. Flow Diagram Number: 5-G-0800
27. Other Reference Document Number:
  - a. HNP-PM4-007, Augmented Inservice Inspection (AISI) Plan and Schedule
  - b. 1-ISI-RV-A600, Reactor Vessel
  - c. 1364-002680, Primary Coolant Loop Piping Shop Details, 11 Sheets
  - d. 5-G-0163, Reactor Primary Coolant Loop Piping & Connections Unit 1
  - e. 1364-053693, Reactor Vessel Summary Stress Report
  - f. AR 2137971, Evaluate Impact of Final 10 CFR 50.55a Rule
28. Nominal Pipe Size: Per EDB and drawing 1364-002680, piping is 27.5 in. ID.
29. Schedule or Thickness: Per drawing 5-G-0163, nominal thickness is calculated to be 2.42 in.

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30. Material Type:

- a. Piping: ASME SA-376 Grade TP304 stainless steel
- b. Nozzle: ASME SA-508 Cl. 2 alloy steel

31. Material Specification: See Item 30

32. Welding Isometric Number: Welding isometric drawings could not be located. However, fabrication weld data reports for each of the three welds can be found as Attachment Z07R0 in EC 274216, Alloy 600 Mitigation for Reactor Vessel Hot and Cold Leg Nozzle Dissimilar Metal Welds.

33. Weld Number:

ISI Summary No.	Loop	Tag/Line No.	ISI Weld No.	ISI Component ID
H-09630	A	1RC27.5-3SN-1	1-RC-1-FW-4	II-RV-001RVNOZAI-N-01SE
H-09632	B	1RC27.5-6SN-1	1-RC-2-FW-4	II-RV-001RVNOZBI-N-03SE
H-09634	C	1RC27.5-9SN-1	1-RC-3-FW-4	II-RV-001RVNOZCI-N-05SE

34. Weld Type:

- a. Butt weld: Alloy 82, ASME Section II-C, Specification SFA-5.14, Classification ERNiCr-3
- b. Butter: Alloy 182, ASME Section II-C, Specification SFA-5.11, Classification ENiCrFe-3

35. Weld Configuration: See Item 34 and FIGURE 2

36. Other Pertinent Information: None

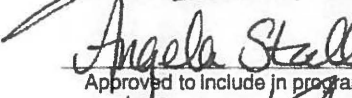


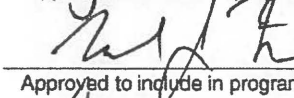
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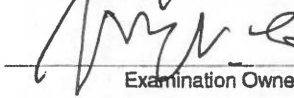
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 / Joseph B. Terrell Date: 08/22/2017  
Augmented Examination Owner (Signature and Printed Name)

 / Adam Zimandy Date: 08/30/2017  
Technical accuracy verified: Independent Review (Signature and Printed Name)

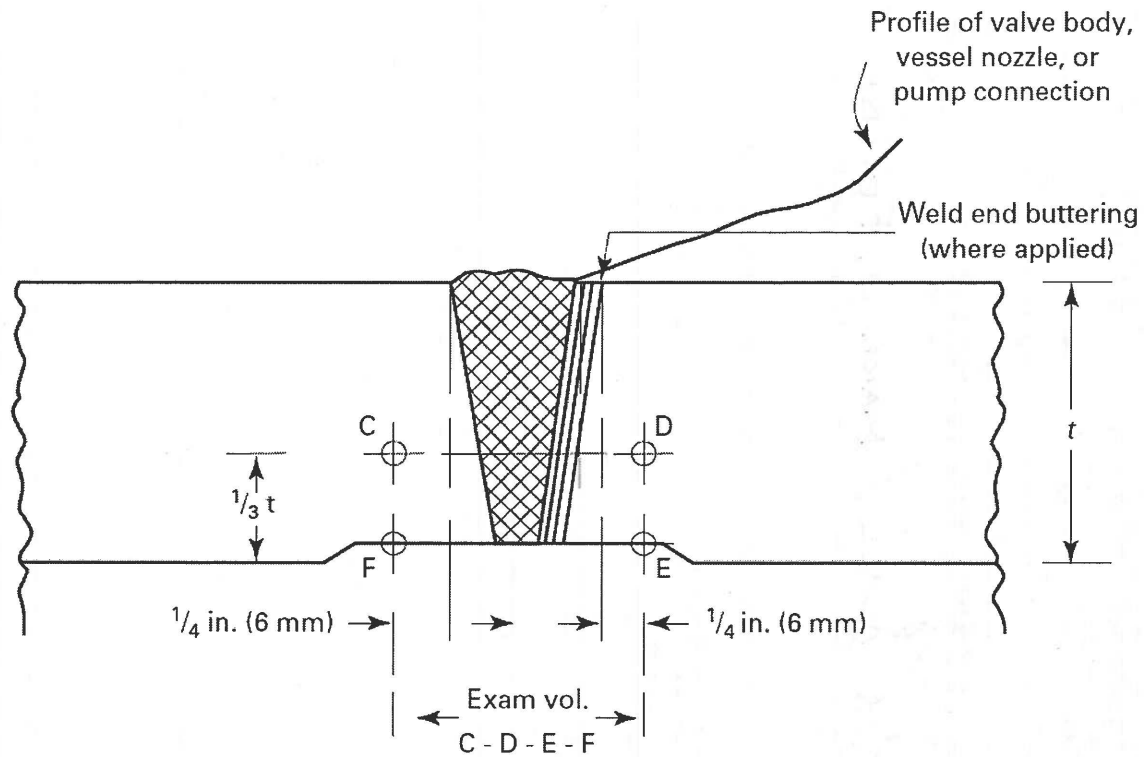
 / Angela Staller Date: 8/30/17  
Approved to include in program: Site AISI Program Manager (Signature and Printed Name)

 / MARK J. FERLISI Date: 8/31/2017  
Approved to include in program: Fleet AISI Program Manager (Signature and Printed Name)

 / Joseph B. Terrell Date: 9/5/2017  
Examination Owner Concurrence of AISI Plan and Schedule Change

- Copy and Notification Distribution List:  
 Site AISI Program Manager  
 Fleet AISI Program Manager  
 Augmented Examination Owner  
 Site ISI Program Owner (if different from AISI Program Owner)  
 Fleet ISI Program Owner (if different from AISI Program Owner)  
 AISI Program Notebook  
 Site ISI Coordinator  
 NDE Principle Level III for Examination Methods

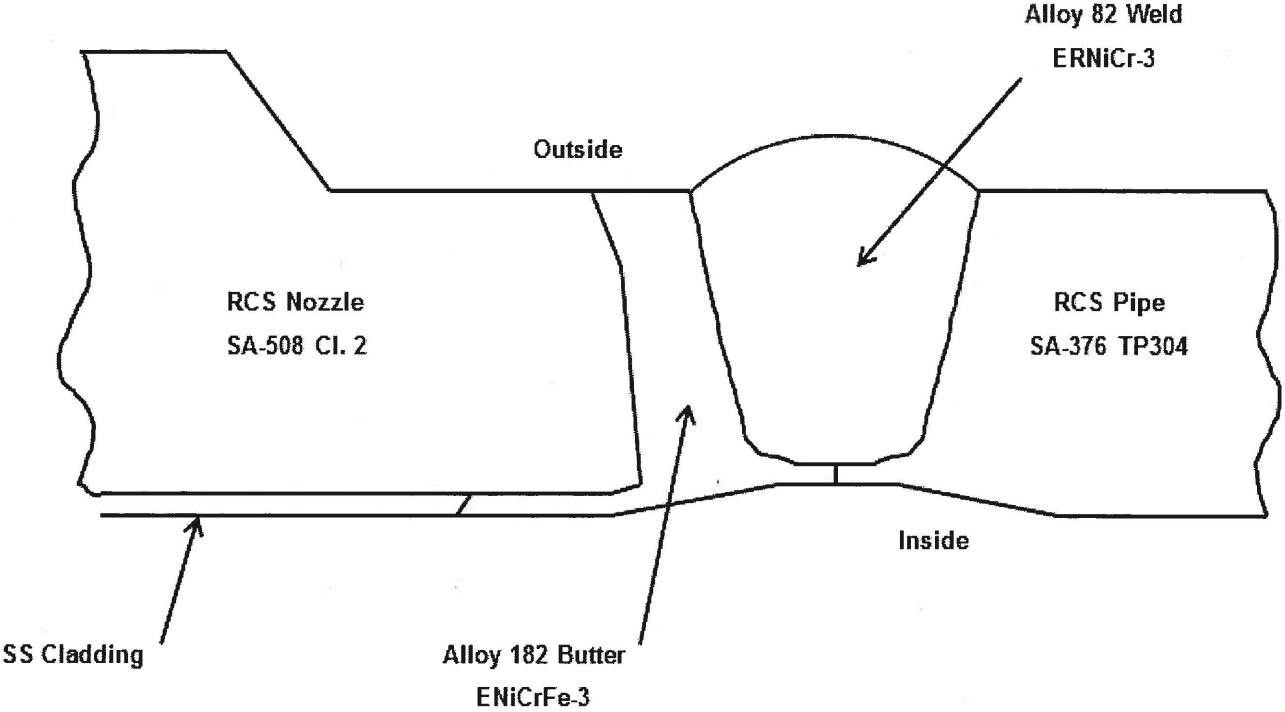
FIGURE 1  
Examination Volume in Welds NPS 2 (DN 50) or Larger  
(Ref: ASME Code Case N-770-2 Fig. 1)



GENERAL NOTE: When weld end buttering is present, on both sides, the examination surface and volume shall be measured from the end of both butterings. It may include remnants of replaced welds, and may appear artificially deep on exposed surfaces due to fabrication processes. Buttering thickness may be determined from manufacturer's drawings or assumed to be  $1/2$  in. If the true dimension is unknown.

FIGURE 2

Depiction of HNP RV Nozzle Dissimilar Metal Weld Configuration  
(Refs: 1364-053693 and fabrication weld data reports)



Item Number E-15

Code Case N-770-2

PZR Weld Overlay Examinations

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### Augmented Examination Definition Form

1. Examination Title, Category, and Revision Number: Pressurizer Nozzle Weld Overlays Examination; HNP ISI Database Summary Nos. H-10693, H-10694, H-10695, H-10696, H-10697, H-10698; Item No. E-15; Rev. 0
2. Applicable Plants or Units: HNP-1
3. Examination Owner (Organization and Individual): {7.1.1} Engineering Programs, Joe Terrell
4. Brief Description of Examination Scope: Volumetric examination of six Pressurizer nozzle-to-pipe dissimilar metal Alloy 82/182 butt welds mitigated by full structural weld overlays
5. Licensing Basis (include source licensing document references): {7.1.1}
  - a. FSAR 5.2.4, Inservice Inspection and Testing of Reactor Coolant Pressure Boundary, Section 5.2.4.1, System Boundary Subject to Inspection
  - b. ASME Code Case N-770-2, Alternative Examination Requirements and Acceptance Standards for Class 1 PWR Piping and Vessel Nozzle Butt Welds Fabricated With UNS N06082 or UNS W86182 Weld Filler Material With or Without Application of Listed Mitigation Activities Section XI, Division 1
  - c. 10 CFR 50.55(a)(g)(6)(ii)(F)(2) through (13), Augmented ISI requirements: Examination requirements for Class 1 piping and nozzle dissimilar-metal butt welds
6. Technical Basis (include technical basis references): {7.1.1} Pressurizer nozzle-to-pipe dissimilar metal Alloy 82/182 butt welds have been shown to be susceptible to Primary Water Stress Corrosion Cracking (PWSCC). Consequently, volumetric examinations are required to be periodically performed. References:
  - a. INPO ICES 321620, Degraded Condition Discovered on Pressurizer Safety Relief Valve Dissimilar Metal Weld (Calvert Cliffs Unit 1, February 20, 2016)
  - b. INPO ICES 310121, Degraded Condition Discovered in Dissimilar Weld Between Pressurizer Nozzle and Nozzle safe End Flange (Palisades Unit 1, February 5, 2014)
  - c. INPO ICES 223268, OE23511 - Ultrasonic Examination of Alloy 82/182 Butt Welds Reveals Pressurizer Nozzle Flaw Indications (updated by OE24092) LER 482-06-003 Indications Discovered on Pressurizer During Preplanned In-service Inspections (Wolf Creek, October 11, 2006)
  - d. INPO ICES 218242, OE21734 – Weld Defects Identified in Pressurizer Spray Line Nozzle (Millstone Unit 3, October 18, 2005)
  - e. INPO ICES 215366, OE20479 - Rejectable Indication Found in Pressurizer Nozzle-to-Safe End Weld (D.C. Cook Unit 1, April 9, 2005)

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- f. NRC Bulletin 2004-01, Inspection of Alloy 82/182/600 Materials Used in the Fabrication of Pressurizer Penetrations and Steam Space Piping Connections at Pressurized Water Reactors
7. Justification for inclusion in AISI Program: These are augmented examinations required by 10 CFR 50.55(a) that address potential PWSCC concerns due to dissimilar metal Alloy 82/182 butt welds.
8. Detailed Examination Scope: Per ASME Code Case N-770-2 as conditioned by 10 CFR 50.55(a)(g)(6)(ii)(F)(2) through (13):
- a. Per Paragraph -2200 and Table 1: The Inspection Item category “F-1” is for cracked butt welds reinforced by full structural weld overlay of Alloy 52/152 material. Cracked butt welds were conservatively assumed in approved Inservice Inspection Relief Request 1.  
  
The six Pressurizer nozzles were mitigated using full structural weld overlays during RFO-14 (Fall 2007).  
  
Subsequent examinations were performed on all six weld overlays during RFO-16 (Fall 2010). No cracking was identified.
  - b. Per Table 1, UT volumetric examination shall be used and shall meet the applicable requirements of Appendix VIII.
  - c. Subsequent examinations (per Table 1, Extent and Frequency of Examination column):
    - i. 25% of the population shall be added to the ISI Program in accordance with Paragraph -2410 and shall be examined once each inspection interval.
    - ii. The 25% sample shall consist of the same welds in the same sequence during successive intervals to the extent practical provided the 25% sample contains the welds that experience the highest operating temperature in the Inspection Item. Those welds not included in the 25% sample shall be examined prior to the end of the mitigation evaluation period if the plant is to be operated beyond that time.
  - d. Per Table 1, if inservice examinations reveal crack growth, or new cracking in the weld overlay or outer 25% of original weld/base material meeting the acceptance standards, the weld overlay examination volume shall be reexamined during the first or second refueling outage following discovery of the crack growth or new cracking. The weld overlay examination volume shall be subsequently examined two additional times at the period of one or two refueling outages, i.e., a total of three examinations within six refueling outages. If these examinations reveal that flaws remain essentially unchanged for three consecutive examinations, the weld examination schedule may revert to the sample and schedule of examinations identified in 8.c above.

Per EC 264915, each weld overlay covers the Alloy 82/182 butt welds between the nozzle and safe end, and extends over the adjacent stainless steel butt welds between the safe end and the RCS piping (see FIGURE 3, this document). Per EC 264915 it was necessary to extend the weld overlays to provide acceptable weld geometry for NDE of the stainless steel welds. Accordingly, approved Inservice Inspection Relief Request 1 included the stainless steel welds. As such, the stainless steel welds are examined at the same time as the adjacent Alloy 82/182 welds.

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The five Alloy 82/182 welds and the five stainless steel welds are listed in the 3<sup>rd</sup> and 4<sup>th</sup> columns, respectively, in the table under Item 33.

9. Examination Schedule:

Beginning Outage: RFO-21, S2018.

Ending Outage: End of license

See HNP-PM4-007 for actual examination schedule by outage.

10. Examination Frequency and Duration: {7.1.1}

Frequency: See Item 8. Duration: See Item 9.

11. Schedule Flexibility: None of the schedule restrictions described in ASME Code Case N-770-2 Table 1, as conditioned by 10 CFR 50.55(a)(g)(6)(ii)(F)(2) through (13) apply. As such, subsequent examinations may be deferred to the end of the interval, provided no additional repair/replacement activities have been performed on the examination item, and that no flaws or relevant conditions requiring successive examination in accordance with Table 1 are contained in the mitigated weld. The constraints described in Items 8.c and 8.d apply.

12. Other Scheduling Comments: During RFO-21 two weld overlay locations will be examined.

13. Examination Method: UT

14. Examination Surface and Volume Boundary Requirements:

- a. Per ASME Code Case N-770-2, Table 1: For Inspection Item category "F-1":
  - i. The required examination volume is shown in Figure 2a (FIGURE 1, this document). The examination surface is the OD.
  - i. The weld overlay examination volume shall be ultrasonically examined to determine the acceptability of the mitigated weld. The angle beam shall be directed perpendicular and parallel to the piping axis, with scanning performed in four directions.
  - ii. The weld overlay shall meet the requirements of Paragraph -3132. In applying the acceptance standards to planar indications, the thickness  $t_1$  or  $t_2$ , defined in Fig. 2(b) (FIGURE 2, this document), shall be used as the nominal wall thickness in IWB-3514, provided the base material beneath the flaw (i.e., safe end, nozzle, or piping material) is not susceptible to PWSCC. For susceptible material,  $t_1$  shall be used.
- b. The Pressurizer nozzle weld overlay general configuration is shown in FIGURE 3 (this document).

15. Examination Procedures: In accordance with Vendor procedures (TBD)

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16. Calibration Requirements: In accordance with Vendor procedures (TBD)
17. Mock-up Requirements: None. The EPRI qualification sample set includes the weld overlay configuration.
18. Personnel Qualifications: In accordance with Vendor procedures (TBD)
19. Acceptance Criteria: {7.1.1} ASME Code Case N-770-2 Paragraph -3130
20. Requirements for Examination Coverage: Per 10 CFR 50.55(a)(g)(6)(ii)(F)(4), when implementing Paragraph -2500(a) of ASME BPV Code Case N-770-2, essentially 100% of the required volumetric examination coverage shall be obtained, including greater than 90% of the volumetric examination coverage for circumferential flaws. Licensees are prohibited from using Paragraphs -2500(c) and -2500(d) of ASME BPV Code Case N-770-2 to meet examination requirements.
21. ANII Requirements: ASME Section XI, IWA-2110, Duties of the Inspector
22. Reporting Requirements:
  - a. Per 10 CFR 50.55(a)(g)(6)(ii)(F)(6): For any mitigated weld whose volumetric examination detects growth of existing flaws in the required examination volume that exceed the previous IWB-3600 flaw evaluations or new flaws, a report summarizing the evaluation, along with inputs, methodologies, assumptions, and causes of the new flaw or flaw growth is to be provided to the NRC prior to the weld being placed in service other than Modes 5 or 6.
  - b. The FINAL examination results are documented in the ISI examination FINAL report for the outage.
23. Other Requirements: None
24. Piping System or Component Designation: Reactor Coolant System
25. ISI Class: Class 1
26. Flow Diagram Number: 5-G-0800, 5-G-0801
27. Other Reference Document Number:
  - a. HNP-PM4-007, Augmented Inservice Inspection (AISI) Plan and Schedule
  - b. 1-ISI-PZR-1, Pressurizer
  - c. 1364-002440 S01 Rev. 1, Pressurizer Outline
  - d. 1364-002440 S03 Rev. 0, Pressurizer Surge Nozzle Weld Overlay Design
  - e. 1364-002440 S04 Rev. 1, Pressurizer Spray Nozzle Weld Overlay Design
  - f. 1364-002440 S02 Rev 1, Pressurizer Safety/Relief Nozzle Weld Overlay Design



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- g. 1364-052710, Pressurizer Stress Report
- h. 5-G-0800 Rev. 33, Flow Diagram Reactor Coolant System Sheet 1
- i. 5-G-0801 Rev. 26, Flow Diagram Reactor Coolant System Sheet 2
- j. EC 264915, Pressurizer Alloy 600 Weld Repair Methodology
- k. HNP-07-041, Inservice Inspection Relief Request 1, Proposed Alternative to ASME Code Requirements for Weld Overlay Repairs, ADAMS Accession No. ML 071420065, May 14, 2007
- l. Inservice Inspection Relief Request No. 1 Regarding Proposed Alternative to the American Society of Mechanical Engineers Boiler and Pressure Vessel Code Requirements for Pressurizer Nozzle Weld Overlays (TAC No. MD5535), ADAMS Accession No. ML072760737, October 10, 2007 (NRC Safety Evaluation)
- m. AR 2137971, Evaluate Impact of Final 10 CFR 50.55a Rule

28. Nominal Pipe Size: Per EDB and 5-G-0801:

ISI Summary No.	Component Description	Pipe Tag. No.	Nominal Pipe Size	Schedule
H-10693	Pressurizer Surge Nozzle Weld Overlay	1RC14-35SN-1	14 in.	160
H-10694	Pressurizer Spray Nozzle Weld Overlay	1RC4-231SN-1	4 in. [NOTE]	160
H-10695	Pressurizer Safety Nozzle 'A' Weld Overlay	1RC6-128SN-1	6 in.	160
H-10696	Pressurizer Safety Nozzle 'B' Weld Overlay	1RC6-126SN-1	6 in.	160
H-10697	Pressurizer Safety Nozzle 'C' Weld Overlay	1RC6-124SN-1	6 in.	160
H-10698	Pressurizer Relief Nozzle Weld Overlay	1RC6-135SN-1	6 in.	160

NOTE: For calibration purposes, the Pressurizer Spray Nozzle has a 6 in. outside diameter.

29. Schedule or Thickness: See Item 28.

30. Material Type: Per EDB and 1364-002440 S01: Each weld overlay is constructed of Alloy 52M; each nozzle is constructed of A-508 Cl 2 w/ stainless steel cladding; each safe ends is constructed of SA-182 F316L, and each connected pipe is constructed of A-376 TP304.

31. Material Specification: See Item 30

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	Rev. 0

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32. Welding Isometric Number: Welding isometric drawings were not located. However, fabrication weld information is described in 1-ISI-PZR-1, Pressurizer, and Table 1 of EC 264915, Pressurizer Alloy 600 Weld Repair Methodology.

33. Weld Number: Per 1-ISI-PZR-1 and EC 264915 Table 1:

ISI Summary No.	Component Description	Nozzle-to-Safe End Overlaid Alloy 82/182 Weld	Safe End-to-Pipe Overlaid Stainless Steel Weld	ISI Component ID
H-10693	Pressurizer Surge Nozzle Weld Overlay	II-PZR-01NSEW-15	1-RC-FW-3	II-PZR-01NSEW-15WOL
H-10694	Pressurizer Spray Nozzle Weld Overlay	II-PZR-01NSEW-16	1-RC-FW-328	II-PZR-01NSEW-16WOL
H-10695	Pressurizer Safety Nozzle 'A' Weld Overlay	II-PZR-01NSEW-17	1-RC-FW-330	II-PZR-01NSEW-17WOL
H-10696	Pressurizer Safety Nozzle 'B' Weld Overlay	II-PZR-01NSEW-18	1-RC-FW-334	II-PZR-01NSEW-18WOL
H-10697	Pressurizer Safety Nozzle 'C' Weld Overlay	II-PZR-01NSEW-19	1-RC-FW-329	II-PZR-01NSEW-19WOL
H-10698	Pressurizer Relief Nozzle Weld Overlay	II-PZR-01NSEW-20	1-RC-FW-456	II-PZR-01NSEW-20WOL

34. Weld Type: Per 1364-002440 S02, S03, and S04, and EC 264915 Table 1: Each nozzle-to-safe end weld and butter is constructed of Alloy 82/182; and each safe-end-to pipe weld is constructed of P8 Weld 3 stainless steel.

35. Weld Configuration: See FIGURE 3.

36. Other Pertinent Information: None

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/ Joseph B. Terrell <small>Augmented Examination Owner (Signature and Printed Name)</small>	Date: 09/05/2017
/ Adam Zimandy <small>Technical accuracy verified: Independent Review (Signature and Printed Name)</small>	Date: 9/11/17
/ Angela Staller <small>Approved to include in program: Site AISI Program Manager (Signature and Printed Name)</small>	Date: 9/5/2017
/ MARK J. FERLISI <small>Approved to include in program: Fleet AISI Program Manager (Signature and Printed Name)</small>	Date: 09/12/2017
/ Joseph B. Terrell <small>Examination Owner Concurrence of AISI Plan and Schedule Change</small>	Date: 09/12/2017

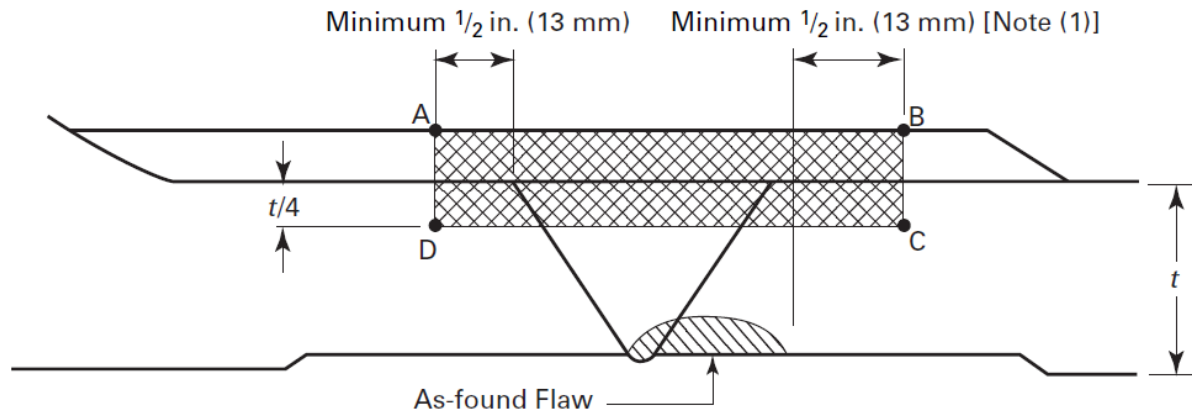
- Copy and Notification Distribution List:
- Site AISI Program Manager
  - Fleet AISI Program Manager
  - Augmented Examination Owner
  - Site ISI Program Owner (if different from AISI Program Owner)
  - Fleet ISI Program Owner (if different from AISI Program Owner)
  - AISI Program Notebook
  - Site ISI Coordinator
  - NDE Principle Level III for Examination Methods

FIGURE 1

Examination Volume in Full Structural Weld Overlay

[Ref: ASME Code Case N-770-1 Fig. 2(a)]

Note that there are no known as-found flaws associated with the Pressurizer Nozzle Welds



**Examination Volume A-B-C-D**

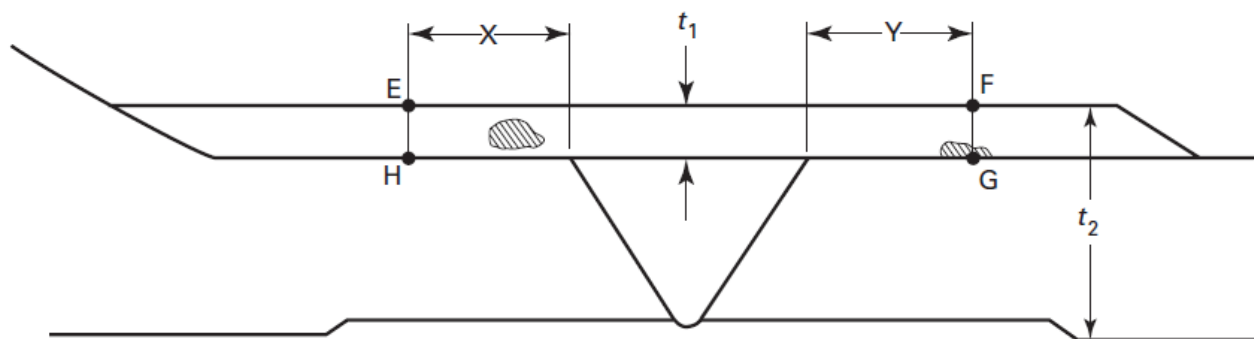
GENERAL NOTE: The weld includes the nozzle or safe end butter, where applied.

NOTE:

- (1) For axial and circumferential flaws, the axial extent of the examination volume shall extend at least  $1/2$  in. (13 mm) beyond the as-found flaw and at least  $1/2$  in. (13 mm) beyond the toes of the original weld, including weld end butter, where applied, plus any PWSCC-susceptible base material in the nozzle and safe-end.

FIGURE 2

Definition of Thickness  $t_1$  and  $t_2$  for Application of IWB-3514 Acceptance Standards  
[Ref: ASME Code Case N-770-1 Fig. 2(b)]

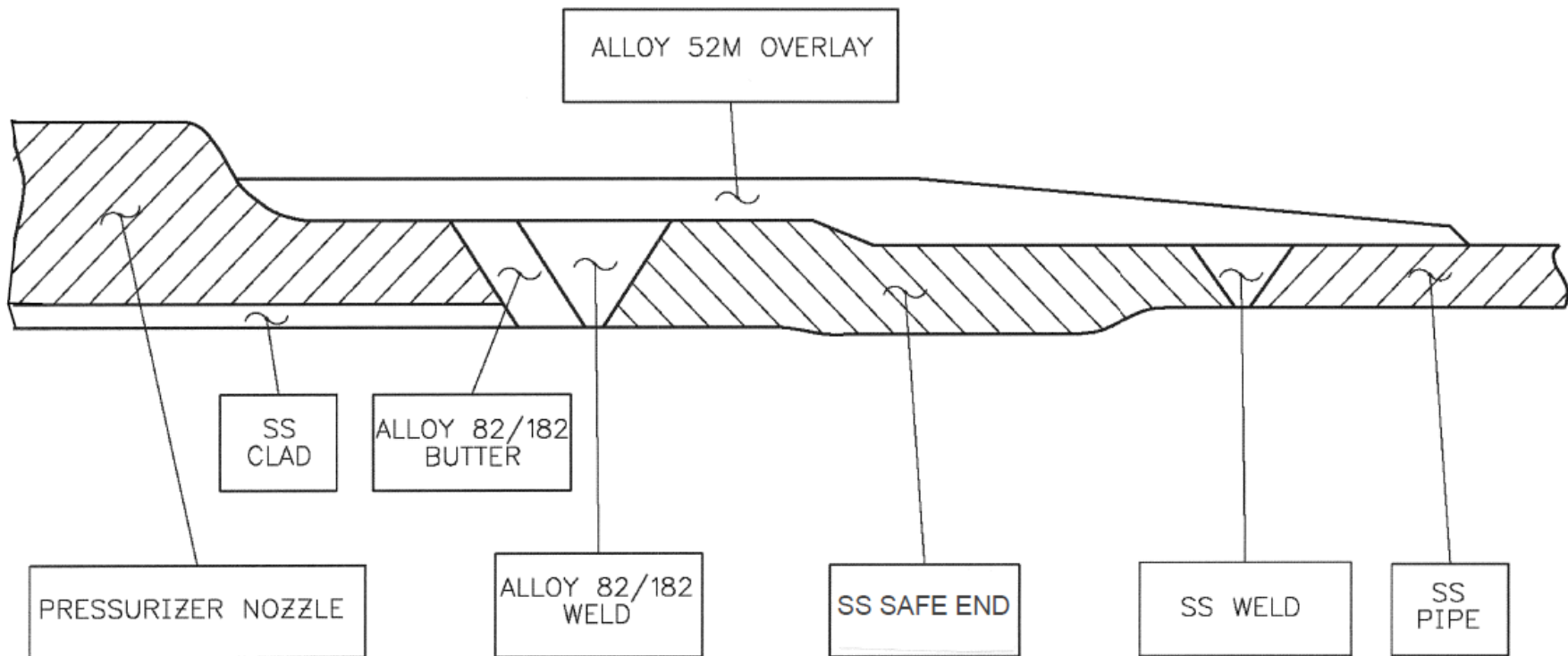


GENERAL NOTES:

- (a) Dimension X or Y is equivalent to the nominal thickness of the nozzle end preparation or the pipe, respectively, being overlaid.
- (b) The nominal wall thickness is  $t_1$  for flaws in E-F-G-H and  $t_2$  for flaws outside E-F-G-H.
- (c) For flaws that are in E-F-G-H and extend outside this volume, the thickness  $t_1$  shall be used.
- (d) The weld includes the nozzle or safe end butter, where applied, plus any PWSCC-susceptible base material in the nozzle and safe-end.

FIGURE 3

Pressurizer Nozzle Weld Overlay General Configuration  
[Ref: EC 264915]



## Attachment 2

# Augmented Inservice Inspection Schedule





**Harris Nuclear Plant  
 4th Interval**

Category, Item No., Class	Summary No./Comp ID/System	Scope / Method	Dwg/ISO No. Comp. Desc. Code Case		RFO-21	RFO-22	RFO-23	RFO-24	RFO-25	RFO-26	RFO-27
<b>AUGMENT</b> E-14 1	H-09617 II-RV-001RV-BMI (1-50) RC-1005	AUG/VT	1-ISI-RV-A600 Reactor Vessel Bottom Mounted Instrumentation Penetrations N-722-1	AUG	-	b	-	b	-	b	-
<b>AUGMENT</b> E-14 1	H-11128 PZR Heater Sleeves RC-2050	AUG/VT	1-ISI-PZR-1 Pressurizer Heater Sleeves N-722-1	AUG	b	b	b	b	b	b	b

## Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary No./Comp ID/System	Scope / Method	Dwg/ISO No. Comp. Desc. Code Case		RFO-21	RFO-22	RFO-23	RFO-24	RFO-25	RFO-26	RFO-27
<b>AUGMENT</b> E-15 1	H-09630 II-RV-001RVNOZAI-N-01SE RC-1005	AUG/UT	1-ISI-RV-A600 Loop "A" Cold Leg Elbow to RV Nozzle N-770-1	AUG	b	-	-	-	b	-	-
<b>AUGMENT</b> E-15 1	H-09631 II-RV-001RVNOZAO-N-06SE RC-1005	AUG/UT	1-ISI-RV-A600 RV Nozzle to Loop "A" Hot Leg Pipe N-770-1	AUG	b	-	-	-	-	-	-
<b>AUGMENT</b> E-15 1	H-09632 II-RV-001RVNOZBI-N-03SE RC-1005	AUG/UT	1-ISI-RV-A600 Loop "B" Cold Leg Elbow to RV Nozzle N-770-1	AUG	b	-	-	-	b	-	-
<b>AUGMENT</b> E-15 1	H-09633 II-RV-001RVNOZBO-N-02SE RC-1005	AUG/UT	1-ISI-RV-A600 RV Nozzle to Loop "B" Hot Leg Pipe N-770-1	AUG	b	-	-	-	-	b	-
<b>AUGMENT</b> E-15 1	H-09634 II-RV-001RVNOZCI-N-05SE RC-1005	AUG/UT	1-ISI-RV-A600 Loop "C" Cold Leg Elbow to RV Nozzle N-770-1	AUG	b	-	-	-	b	-	-
<b>AUGMENT</b> E-15 1	H-09635 II-RV-001RVNOZCO-N-04SE RC-1005	AUG/UT	1-ISI-RV-A600 RV Nozzle to Loop "C" Hot Leg Pipe N-770-1	AUG	b	-	-	-	-	-	-
<b>AUGMENT</b> E-15 1	H-10693 II-PZR-01NSEW-15WOL RC-2005		1-ISI-PZR-1 Pressurizer Surge Nozzle Weld Overlay N-770-1	AUG	-	-	-	-	-	-	-

## Harris Nuclear Plant 4th Interval

Category, Item No., Class	Summary No./Comp ID/System	Scope / Method	Dwg/ISO No. Comp. Desc. Code Case		RFO-21	RFO-22	RFO-23	RFO-24	RFO-25	RFO-26	RFO-27
<b>AUGMENT</b> E-15 1	H-10694 II-PZR-01NSEW-16WOL RC-2005		1-ISI-PZR-1 Pressurizer Spray Nozzle Weld Overlay N-770-1	AUG	-	-	-	-	-	-	-
<b>AUGMENT</b> E-15 1	H-10695 II-PZR-01NSEW-17WOL RC-2005	AUG/UT	1-ISI-PZR-1 Pressurizer Safety "A" Weld Overlay N-770-1	AUG	-	-	-	s	-	-	-
<b>AUGMENT</b> E-15 1	H-10696 II-PZR-01NSEW-18WOL RC-2005		1-ISI-PZR-1 Pressurizer Safety "B" Weld Overlay N-770-1	AUG	-	-	-	-	-	-	-
<b>AUGMENT</b> E-15 1	H-10697 II-PZR-01NSEW-19WOL RC-2005	AUG/UT	1-ISI-PZR-1 Pressurizer Safety "C" Weld Overlay N-770-1	AUG	s	-	-	-	-	-	-
<b>AUGMENT</b> E-15 1	H-10698 II-PZR-01NSEW-20WOL RC-2005		1-ISI-PZR-1 Pressurizer Relief Nozzle Weld Overlay N-770-1	AUG	-	-	-	-	-	-	-

**SERIAL HNP-17-025**

**ENCLOSURE 4**

**FOURTH INTERVAL INSERVICE INSPECTION PRESSURE TEST PLAN AND SCHEDULE**

**SHEARON HARRIS NUCLEAR POWER PLANT, UNIT 1**

**DOCKET NO. 50-400**

**RENEWED LICENSE NO. NPF-63**

**32 PAGES PLUS COVER**

---

# Duke Energy Corporation

SHEARON HARRIS NUCLEAR STATION UNIT1

## FOURTH INTERVAL INSERVICE INSPECTION PRESSURE TEST PLAN AND SCHEDULE

Document No. HNP-PM4-005

REVISION 0

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Reviewed By:

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9/5/17

Approved By:

M. A. Pyne

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Date

9/6/17

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## PRESSURE TEST PLAN REVISION DOCUMENTATION SHEET

---

Revision Number	Description of Revision	Special Instructions to Recipients of this Revision
0	This is the original publication for the fourth Interval Pressure Test Plan for Shearon Harris Nuclear Station Unit 1.	Original Publication

---

# SHEARON HARRIS NUCLEAR STATION

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## GENERAL INFORMATION

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Shearon Harris Nuclear Station's Pressure Test Plan and Schedule contained in this document.

Plant Location: 5413 Shearon Harris Road, New Hill, North Carolina 27562

Commercial Service Date: May 2, 1987

Fourth Interval Start Date: September 9, 2017

### Inspection Interval and Inspection Periods

#### Fourth Inspection Interval (ISI)

<u>Start Date</u>			<u>End Date</u>
09/09/2017	05/02/2020	08/02/2024	09/08/2027
<u>1<sup>ST</sup> Period</u>	<u>2<sup>ND</sup> Period</u>	<u>3<sup>RD</sup> Period</u>	
Outage 1 (H121)	Outage 3 (H123)	Outage 6 (H126)	
Outage 2 (H122)	Outage 4 (H124)	Outage 7 (H127)	
	Outage 5 (H125)		

Owner: Duke Energy Carolinas, LLC  
526 South Church St.  
Mail Code EC07  
Charlotte, N. C. 28201-1006

#### Note:

- Owner shall be referred to as Duke Energy throughout this document.
- ASME Boiler and Pressure Vessel Code, Section XI shall be referred to as the code throughout this document.
- Period 2 has been adjusted to capture H125.
- An Inspection Interval is 10 years in length, but the Code allows an Owner to adjust this to be as short as 9 years, or as long as 11 years, provided the adjustments do not cause successive intervals to be altered by more than one year from the original pattern of intervals, established on May 2, 1987. Because the start date for the 4th Inservice Inspection Interval is 09/09/2017, IWA-2430(c)(1) would permit an extension to no later than 05/01/2028 (limited by the Original Pattern of Intervals). The Interval may be shortened by no more than 1 year, to 09/09/2026, if desired.

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## 1.0 Scope

- 1.1 This document provides the scope to be pressure tested for Class 1, 2 and 3 components subject to the requirements of ASME Section XI. The scope is shown on the Engineering Surveillance Tests listed in Appendix A.
- 1.2 This program is based on the requirements of the 2007 edition through 2008 addenda of ASME Boiler & Pressure Vessel Code, Section XI, Division 1 as mandated by Title 10, Part 50, Section 55a (10CFR50.55a), Codes and Standards, of the United States Code of Federal Regulations and the administrative requirements in procedure AD-EG-ALL-1706, ASME Section XI Pressure Test Program Administration.

## 2.0 Purpose

- 2.1 The purpose of this document is to meet the requirements of ASME Section XI, IWA-2420.

*Note: All Section XI General Requirements can be found in sub article IWA.*

## 3.0 References and Other ASME Section XI Programs

- 3.1 HNP-PM4-001-Fourth 10 year interval ISI basis
- 3.2 HNP-PM4-002- Fourth 10 year interval ISI Plan
- 3.3 HNP-PM4-003- Fourth 10 year interval ISI Schedule
- 3.4 HNP-PM4-004- Fourth 10 year interval Pressure Test Basis
- 3.5 AD-EG-ALL-1703, Repair/Replacement Program
- 3.6 AD-EG-ALL-1704, Augmented Inservice Inspection Program

## 4.0 Plan History

- 4.1 The code of record for the 1<sup>st</sup> 10 year interval was the 1983 edition with the 1983 summer addenda. The 1<sup>st</sup> interval was from 5/2/1987 to 2/1/1998
- 4.2 The code of record the 2<sup>nd</sup> 10 year interval was the 1989 edition of ASME Section XI. The 2<sup>nd</sup> interval was from 2/2/1998 to 5/1/2008.

- 4.3 The previous interval was the 3<sup>rd</sup> 10 year interval for HNP. The 3<sup>rd</sup> interval Code of Record was the 2001 edition through the 2003 addenda.

## **5.0 Applicable Editions and Addenda to ASME Section XI**

- 5.1 The Code of Record for the 4th 10 year interval is the 2007 edition through 2008 addenda of ASME Boiler & Pressure Vessel Code, Section XI, Division 1.

## **6.0 Classification and Examination Boundaries**

- 6.1 The components subject to Section XI Pressure Testing requirements are identified on the I-series drawings for the 4th inspection interval at HNP. The scope reflected on the I-Series drawings contains the total scope after the exemptions permitted by ASME Section XI have been applied. IWA-5110, IWB-5222, IWC-5222 and IWD-5222 were used in defining the boundaries of pressure retaining components of Section XI. These drawings contain the Engineering Surveillance Test (EST) boundaries denoted by color. A list of the I-series drawings are shown in Appendix A; contact the site program manager for a copy of these drawings.
- 6.2 VT-2 visual examinations shall be conducted, in accordance with procedure NDE-NE-ALL-7201, to locate evidence of leakage from pressure retaining components during the conduct of a system pressure test, unless an alternative is allowed by IWA-2240. Buried components are covered by EST-404.
- 6.3 See the CSD-PT-ALL-1706.01, for pressure, temperature and hold time requirements.
- 6.4 See the Harris Basis Document (HNP-PM4-001) for further discussion regarding ISI classification of systems, structures, and components at HNP.
- 6.5 See Section 8 of the Pressure Test Basis Document (HNP-PM4-004) for the application of the Section XI requirements during the development of the HNP 4th interval PT program.
- 6.6 Revisions to the plant system flow diagrams shall be reviewed for additions/changes to the Pressure Testing boundaries. See CSD-PT-ALL-1706.01, for guidance on making changes to the Pressure Test Plan and Boundary Drawings.

## **7.0 USNRC Regulatory Guides**

- 7.1 Regulatory Guide 1.147, "Inservice Inspection Code Case Acceptability ASME Section XI, Division 1," lists those ASME Code Cases that are generally acceptable for implementation in licensee's ASME Section XI Program.
- 7.2 Regulatory Guide 1.193, "ASME Code Cases Not Approved For Use" lists those ASME Code Cases that the NRC has determined not to be acceptable for use on a generic basis. Licensees may submit a request to implement one or more of the Code Cases listed in Regulatory Guide 1.193 through 10 CFR 50.55a(z), which permits the use of alternatives to the Code requirements referenced in 10 CFR 50.55a, provided that the proposed alternatives result in an acceptable level of quality and safety. Licensees must submit a plant-specific request that addresses the NRC's concerns about the Code Case at issue.

## **8.0 Code Cases Applicable to the ASME Boiler and Pressure Vessel Code Section XI**

- 8.1 All ASME Code Cases listed in Table 1 and Table 2 of NRC Regulatory Guide 1.147, are approved for use during the Shearon Harris 4th Inservice Inspection Interval.
- 8.2 Appendix C lists all specific code cases that may be used for the Fourth Interval Inservice Inspection Pressure Test Program at Shearon Harris.
- 8.3 The schedule for all Pressure Tests are specified in the Ideal database. The frequency requirements are described in Sections 10, 11 and 12 for Class 1, 2 and 3 respectively.
- 8.4 Unless otherwise specified, Class 2 and 3 examinations may be performed during innage or outage within the specified Inspection Period.

## **9.0 Records**

- 9.1 CSD-PT-ALL-1706.01 covers the requirements for records and reports in accordance with IWA-6000.

## **10.0 Subsection IWB for Class 1 Components**

- 10.1 Pressure testing of ISI Class 1 items shall be performed in accordance with the requirements of Articles IWA-5000, IWB-2000, and IWB-5000 of Section XI. ISI Class 1 systems that are required to be pressure tested shall be divided into isolable areas (to the extent practical). These areas represent specific pressure testing areas defined by Engineering Surveillance Tests (EST's).

- 10.2 The ISI Class 1 System Leakage Test (Examination Category B-P, Item Number B15.10) is required to be performed prior to plant startup following each reactor refueling and is performed with all valves in the position required for normal reactor operation startup. The visual examination shall, however, extend to and include the second closed valve at the boundary extremity. The ISI Class 1 System Leakage Test (IWB-5220) is conducted at a pressure not less than the pressure corresponding to 100% rated reactor power. The test pressure and temperature shall be attained at a rate in accordance with the heat-up limitations specified for the system.
- 10.3 The entire Class 1 boundary receives a VT-2, shown by EST-227. However, not all of the piping is pressurized with all valves in the position required for normal reactor operation startup. The ISI Class 1 System Leakage Test (Examination Category B-P, Item Number B15.20) is required for the Class 1 components that do not experience system pressure at normal reactor operation startup and shall be pressurized and examined at or near the end of the inspection interval. A relief request needs to be generated to seek relief in the hardships of performing the B15.20 examinations (See the CSD for further guidance).
- 10.4 Pressure tests are scheduled through the use of PMID's and MWO's. The Ideal database is used to manage the schedule and completion of pressure test.

*Note: See the PT basis (HNP-PM4-004) for further discussion regarding the application of the Section XI requirements.*

**Category B-P**

Item No.	Parts to be examined	Exam requirements
<b>B15.10</b>	Pressure Retaining Components	A VT-2 shall be performed prior to plant startup following a reactor refueling outage. May not be deferred. IWB-5222(a)
<b>B15.20</b>	Pressure Retaining Components	A VT-2 shall be performed prior to plant startup following a refueling outage at or near the end of the interval. IWB-5222(b)

## 11.0 Subsection IWC for Class 2 Components

- 11.1 Pressure testing of ISI Class 2 items shall be performed in accordance with the requirements of Articles IWA-5000, IWC-2000, and IWC-5000 of Section XI. ISI Class 2 systems that are required to be pressure tested shall be divided into isolable areas (to the extent practical). These specific areas are represented by EST's shown on the I-series drawings.
- 11.2 The examination boundaries are required to be pressure tested once per period.
- 11.3 Pressure tests are scheduled through the use of PMID's and MWO's. The Iddeal database is used to manage the schedule and completion of pressure tests.
- 11.4 The pressure testing requirements for ISI Class 2 items are listed in Table IWC-2500-1, Categories C-B and C-H of Section XI and include the following:

### Category C-B

Item No.	Parts to be examined	Exam requirements
C2.33	Nozzle-to-Shell (Nozzle to Head or Nozzle to Nozzle) Welds When Inside of Vessel is Inaccessible	The telltale hole in the reinforcing plate shall be examined for evidence of leakage while the vessel is undergoing the system leakage test.

*Note: When nozzle-to-shell (nozzle to head or nozzle to nozzle) welds (to be examined by NDE methods) are inaccessible, the telltale hole in the reinforcing plates shall receive a VT-2 visual examination for evidence of leakage while the vessel is undergoing the System Leakage Test as required by Category C-H.*

### Category C-H

Item No.	Parts to be examined	Exam requirements
C7.10	Pressure retaining components	A system leakage test of the pressure boundary must be done once per period

*Note: The ISI Class 2 System Leakage Test (IWC-5220) is conducted at the system pressure obtained while the system, or portion of the system, is in service performing its normal operating function or at the system pressure developed during a test conducted to verify system operability. The ISI Class 2 leakage test is required once in each inspection period.*

## 12.0 Subsection IWD for Class 3 Components

- 12.1 Pressure testing of ISI Class 3 items shall be performed in accordance with the requirements of Articles IWA-5000, IWD-2000, and IWD-5000 of Section XI. ISI Class 3 systems that are required to be pressure tested shall be divided into isolable areas (to the extent practical). These specific areas are represented by EST's shown on the I-series drawings.
- 12.2 The examination boundaries are required to be pressure tested once per period
- 12.3 Pressure tests are scheduled through the use of PMID's and MWO's. The Ideal database is used to manage the schedule and completion of pressure tests.
- 12.4 The pressure testing requirements for ISI Class 3 items are listed in Table IWD-2500-1, Category D-B of Section XI and include the following:

### Category D-B

Item No.	Parts to be examined	Exam requirements
D2.10	Pressure retaining components	A system leakage test of the pressure boundary must be done once per period

**Note:** The ISI Class 3 System Leakage Test (IWD-5221) is conducted at the system pressure obtained while the system, or portion of the system, is in service performing its normal operating function or at the system pressure developed during a test conducted to verify system operability. The ISI Class 3 leakage test is required once in each inspection period.

Additional information regarding the application of exemptions can be found in the Pressure Test basis Document (HNP-PM4-004) and ISI basis document (HNP-PM4-001).

## Appendix A

### Pressure Test Boundary Drawings

The following is a list of ISI Reference Drawings used as a reference for Shearon Harris Unit 1 for the Fourth Interval Inservice Inspection Plan. These drawings are "I" series Flow Diagrams (developed off of the "S" series drawings which are simplified "G" series drawings. The "G" drawings depict class of the SSCs.). The "\*" represents the Class 1 leakage test.

I-Series Drawing number	System Description	EST
5-I-0542	Main Steam System	342 329 333
5-I-0544	Feedwater System	356 331 333 330 357 344 368
5-I-0544 S02	Feedwater System	399
5-I-0545	Condensate and Air Evacuation Systems	331 330 333
5-I-0545 S01	Condensate and Air Evacuation Systems	333
5-I-0547	Circulating and Service Water Systems	336A 336B 319 320 397 398 330 331 332

		404 333 358
5-I-0550	Containment Spray System	340 351 352 355
5-I-0551	Steam Generator Blowdown System	343 326
5-I-0552	Sampling System	377 373 389 390 391 *227*
5-I-0633 S02	Emergency Diesel Generator Jacket Water system	336A 336B 404
5-I-0805	Fuel Pool Cooling System	337 338 339
5-I-0807	Fuel Pool Cooling System	395 396
5-I-0808	Cooling Tower Blowdown, Make-Up, and Intake Structures Screenwash systems	336A 336B 404 397 398
5-I-0936	Intake structures Pump Seal, Bearing Lubrication and Motor Cooling Water Systems	336A 336B
5-I-0998	HVAC Essential Services	332



	Chilled Water Distribution Unit 1-SA	
5-I-0998 S02	HVAC Essential Services Chilled Water Condenser Unit 1-SA	332
5-I-0998 S03	HVAC Essential Services Chilled Water Details Unit 1-SA	332
5-I-0998 S04	HVAC Essential Services Chilled Water Details Unit 1-SA	332
5-I-0999	HVAC Essential Services Chilled Water Distribution Unit 1-SB	358
5-I-0999 S02	HVAC Essential Services Chilled Water Condenser Unit 1-SB	358
5-I-0999 S03	HVAC Essential Services Chilled Water Details Unit 1-SB	358
5-I-0999 S04	HVAC Essential Services Chilled Water Details Unit 1-SB	358
5-I-1300	Reactor Coolant system	*227* 402
5-I-1301	Reactor Coolant System	*227*
5-I-1303	Chemical and Volume Control System	*227* 385 374 403 366
5-I-1303 S01	Chemical and Volume Control System	*227* 385 374
5-I-1303 S02	Chemical and Volume Control System	*227* 385

	Reactor Coolant Pump Loop 2	374
5-I-1304	Chemical and Volume Control System	353 366 367 385 325
5-I-1305	Chemical and Volume Control System	386 347 345 346 353 366 367 385 335 340 388 325
5-I-1306	Chemical and Volume Control System	366 365
5-I-1307	Chemical and Volume Control System	335 385 327
5-I-1308	Safety Injection System	380 385 372 371 *227*
5-I-1309	Safety Injection System	377 378 *227*
5-I-1310	Safety Injection System	345

		346 349 350 359 360 380 340 376 375 *227*
5-I-1317	Waste Processing System Gas Decay Storage	385
5-I-1319	Component Cooling Water System	325 328 341 369 370
5-I-1320	Component Cooling Water System	328
5-I-1321	Component Cooling Water System	325 348 321
5-I-1322	Component Cooling Water System	325
5-I-1322 S01	Component Cooling Water System	325
5-I-1324	Residual Heat Removal System	345 346 376 375 340 350 349

		380 359 360 *227*
5-I-1329	Reactor Auxiliary Building filter Backwash System	347 386 385 366 335
5-I-1344	Reactor Coolant System	334 361 *227*

Class 1, 2, and 3 components shown on these drawings are subject to change. Please refer to the specific drawings listed to determine the scope of Class 1, 2, and 3 components shown on these drawings.

## Appendix B

### Relief Requests

Each Request for Relief from a requirement of the Section XI Code specified in this Plan shall be submitted by the Nuclear Generation Department to the Nuclear Regulatory Commission for approval. There are no pressure test related Relief Requests issued for the fourth 10 year interval.

## Appendix C

### Applicable Code Case Listing

Case No.	Case Title	Applicability	NRC Conditions for Use of Code Case (as stated in Regulatory Guide 1.147 revision 17)	Extent of Use
N-706-1	Alternative Examination Requirements of Table IWB-2500-1 and Table IWC-2500-1 for PWR Stainless Steel Residual and Regenerative Heat Exchangers	From the 1977 Edition up to and including the 2010 Edition with the 2011 Addenda	Unconditional	This Code Case may be used for PWR class 1 or 2 regenerative or residual heat exchangers in lieu of the NDE requirements listed in the IWB and IWC 2500 tables. This Code Case cannot be used after the heat exchanger has experienced a through wall leak.
N-731	Alternative Class 1 System Leakage Test Pressure Requirements	From the 1989 Edition up to and including the 2015 Edition	Unconditional	Applicable to the B15.20 item number.

# Appendix D

## NDE Procedures

NDE-NE-ALL-7201	VT-2 Visual Examination
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## Appendix E

### Implementing Procedures

EST
342
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336A
336B
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404
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391
227
336A



336B  
404  
337

## Appendix F

### Acronyms

A list of acronyms related to or commonly used in the pressure testing program can be found in CSD-PT-ALL-1706.01.

## Appendix G

### Pressure Testing Schedule

Category, Item No., Class	Summary No./CompID/ System	Dwg/ISO No. Comp. Desc. Code Case	Period 1		Period 2			Period 3	
			RFO-21-PT	RFO-22-PT	RFO-23-PT	RFO-24-PT	RFO-25-PT	RFO-26-PT	RFO-27-PT
C-H C7.10 2	600100 EST-325 CCW-4080	2165-I-1304, 1305, 1319, 1321, 1322 & S01 CCW Pressure Test	-	b	b	-	-	b	-
C-H C7.10 2	600200 EST-326 BD-3010	2165-I-0551 Blowdown Pressure Test	-	b	-	b	-	b	-
D-B D2.10 3	600400 EST-327 CVCS-2060	2165-I-1307 CVCS Pressure Test	-	b	-	-	b	b	-
D-B D2.10 3	600500 EST-328 CCW-4080	2165-I-1319, 1320 CCW Pressure Test	-	b	-	b	-	b	-
C-H C7.10 2	600700 EST-329 MS-3020	2165-I-0542 Main Steam Pressure Test	-	b	-	b	-	b	-
D-B D2.10 3	600900 EST-330 AFW-4115	2165-I- 0544/0545/0547 Auxiliary Feedwater Pressure Test	-	b	-	-	b	b	-
D-B D2.10 3	601000 EST-331 AFW-3065	2165-I- 0544/0545/0547 Auxiliary Feedwater Pressure Test	-	b	-	-	b	b	-
D-B D2.10 3	601100 EST-332 CH-4085	2165-I-0547/0998- S-02-03-04 Chiller Pressure test	-	b	-	-	b	b	-

<b>D-B</b>	601500	2165-I-0542, 0544, 0545, 0545 S01, 0547 TDAFW Pressure Test	-	b	-	-	b	b	-
D2.10	EST-333		-	-	-	-	-	-	-
3	AFW-4115		-	-	-	-	-	-	-
<b>C-H</b>	601600	2165-I-1344 Reactor Coolant Pressure Test	-	b	-	-	b	b	-
C7.10	EST-334		-	-	-	-	-	-	-
2	RC-1005		-	-	-	-	-	-	-
<b>D-B</b>	601700	2165-I- 1305/1307/1329 CVCS Pressure Test	-	b	-	-	b	b	-
D2.10	EST-335		-	-	-	-	-	-	-
3	CVCS-2060		-	-	-	-	-	-	-
<b>D-B</b>	602000	2165-I-0547/0633 S01/0808/0936 Emergency Service Water A Train Pressure Test	-	b	-	-	b	b	-
D2.10	EST-336A		-	-	-	-	-	-	-
3	ESW-4065		-	-	-	-	-	-	-
<b>D-B</b>	602050	2165-I-0547/0633 S01/0808/0936 Emergency Service Water B Train Pressure Test	-	b	-	-	b	b	-
D2.10	EST-336B		-	-	-	-	-	-	-
3	ESW-4065		-	-	-	-	-	-	-
<b>D-B</b>	602100	2165-I-0805 Spent Fuel Cooling Presssure Test	-	b	-	-	b	b	-
D2.10	EST-337		-	-	-	-	-	-	-
3	SF-7110		-	-	-	-	-	-	-
<b>D-B</b>	602200	2165-I-0805 Spent Fuel Cooling Presssure Test	-	b	-	b	-	b	-
D2.10	EST-338		-	-	-	-	-	-	-
3	SF-7110		-	-	-	-	-	-	-
<b>D-B</b>	602250	2165-I-0805 Spent Fuel Cooling Presssure Test	-	b	-	-	b	b	-
D2.10	EST-339		-	-	-	-	-	-	-
3	SF-7110		-	-	-	-	-	-	-

<b>C-H</b>	602300	2165-I-0550, 1305, 1324 Containment Spray "B" Pressure Test	b	-	-	-	b	b	-
C7.10	EST-340		-	-	-	-	-	-	-
2	CT-2070		-	-	-	-	-	-	-
<b>D-B</b>	602500	2165-I-1319 CCW Pressure Test	-	b	-	b	-	b	-
D2.10	EST-341		-	-	-	-	-	-	-
3	CCW-4080		-	-	-	-	-	-	-
<b>C-H</b>	602600	2165-I-0542 Main Steam Pressure Test	b	-	b	-	-	-	b
C7.10	EST-342		-	-	-	-	-	-	-
2	MS-3020		-	-	-	-	-	-	-
<b>C-H</b>	602700	2165-S-0551 Blowdown Pressure Test	b	-	b	-	-	-	b
C7.10	EST-343		-	-	-	-	-	-	-
2	BD-3010		-	-	-	-	-	-	-
<b>C-H</b>	602800	2165-I-0544 AFW Pressure Test	b	-	b	-	-	-	b
C7.10	EST-344		-	-	-	-	-	-	-
2	AFW-3065		-	-	-	-	-	-	-
<b>C-H</b>	602900	2165-I-1305, 1310, 1324 RHR Pressure Test	-	b	-	-	b	b	-
C7.10	EST-345		-	-	-	-	-	-	-
2	RHR-2085		-	-	-	-	-	-	-
<b>C-H</b>	603000	2165-I- 1305/1310/1324 RHR Pressure Test	-	b	-	b	-	b	-
C7.10	EST-346		-	-	-	-	-	-	-
2	RHR-2085		-	-	-	-	-	-	-
<b>C-H</b>	603100	2165-I-1305, 1329 CVCS Pressure Test	-	b	-	-	b	b	-
C7.10	EST-347		-	-	-	-	-	-	-
2	CVCS-2060		-	-	-	-	-	-	-
<b>C-H</b>	603500	2165-I-0547 Service Water Pressure Test	b	-	b	-	-	b	-
C7.10	EST-319		-	-	-	-	-	-	-
2	ESW-4065		-	-	-	-	-	-	-

<b>C-H</b>	603600	2165-I-0547 Service Water Pressure Test	b	-	b	-	-	b	-
C7.10	EST-320		-	-	-	-	-	-	-
2	SW		-	-	-	-	-	-	-
			-	-	-	-	-	-	-
<b>D-B</b>	603700	2165-I-1321 CCW Pressure Test	-	b	-	b	-	b	-
D2.10	EST-348		-	-	-	-	-	-	-
3	CCW-4080		-	-	-	-	-	-	-
			-	-	-	-	-	-	-
<b>C-H</b>	603800	2165-I-1310, 1324 Safety Injection Pressure Test	b	-	b	-	-	-	b
C7.10	EST-349		-	-	-	-	-	-	-
2	SI-2085		-	-	-	-	-	-	-
			-	-	-	-	-	-	-
<b>C-H</b>	603900	2165-I-1310, 1324 Safety Injection Pressure Test	b	-	b	-	-	-	b
C7.10	EST-350		-	-	-	-	-	-	-
2	SI-2085		-	-	-	-	-	-	-
			-	-	-	-	-	-	-
<b>C-H</b>	604000	2165-I-1321 CCW Pressure Test	b	-	b	-	-	b	-
C7.10	EST-321		-	-	-	-	-	-	-
2	CCW		-	-	-	-	-	-	-
			-	-	-	-	-	-	-
<b>C-H</b>	604100	2165-I-0550 Containment Spray Pressure Test	b	-	b	-	-	b	-
C7.10	EST-323		-	-	-	-	-	-	-
2	CT-2070		-	-	-	-	-	-	-
			-	-	-	-	-	-	-
<b>C-H</b>	604150	2165-I-0550 Containment Spray Pressure Test	b	-	b	-	-	-	b
C7.10	EST-351		-	-	-	-	-	-	-
2	CT-2070		-	-	-	-	-	-	-
			-	-	-	-	-	-	-
<b>C-H</b>	604200	2165-I-0550 Containment Spray Pressure Test	b	-	-	b	-	b	-
C7.10	EST-324		-	-	-	-	-	-	-
2	CT-2070		-	-	-	-	-	-	-
			-	-	-	-	-	-	-
<b>C-H</b>	604250	2165-I-0550 Containment Spray Pressure Test	b	-	b	-	-	-	b
C7.10	EST-352		-	-	-	-	-	-	-
2	CT-2070		-	-	-	-	-	-	-
			-	-	-	-	-	-	-

<b>C-H</b>	604300	2165-I-1304 , 1305 CVCS Pressure Test	-	b	-	b	-	b	-
C7.10	EST-353		-	-	-	-	-	-	-
2	CVCS-2060		-	-	-	-	-	-	-
<b>C-H</b>	604800	2165-I-0550 Containment Spray "A" Presssure Test	-	b	-	b	-	b	-
C7.10	EST-355		-	-	-	-	-	-	-
2	CT-2070		-	-	-	-	-	-	-
<b>C-H</b>	604900	2165-I-0544 Feedwater Pressure Test	-	b	-	-	b	b	-
C7.10	EST-356		-	-	-	-	-	-	-
2	FW-3050		-	-	-	-	-	-	-
<b>C-H</b>	604950	2165-I-0544 AFW Pressure Test	-	b	-	b	-	b	-
C7.10	EST-357		-	-	-	-	-	-	-
2	AFW-3065		-	-	-	-	-	-	-
<b>D-B</b>	605100	2165-I-0547/0999 & S02/S03/S04 Service Water Pressure Test	-	b	-	-	b	b	-
D2.10	EST-358		-	-	-	-	-	-	-
3	SW/CH-4085		-	-	-	-	-	-	-
<b>C-H</b>	605200	2165-I-1310, 1324 Safety Injection Pressure Test	b	-	b	-	-	-	b
C7.10	EST-359		-	-	-	-	-	-	-
2	SI-2085		-	-	-	-	-	-	-
<b>C-H</b>	605300	2165-I-1310, 1324 Safety Injection Pressure Test	b	-	b	-	-	-	b
C7.10	EST-360		-	-	-	-	-	-	-
2	SI-2085		-	-	-	-	-	-	-
<b>C-H</b>	605400	2165-I-1344 Reactor Coolant Pressure Test	b	-	b	-	-	-	b
C7.10	EST-361		-	-	-	-	-	-	-
2	RC-2005		-	-	-	-	-	-	-
<b>C-H</b>	605900	2165-I-1306 CVCS Pressure Test	-	b	b	-	-	b	-
C7.10	EST-365		-	-	-	-	-	-	-
2	CVCS-2060		-	-	-	-	-	-	-



<b>C-H</b>	605950	2165-I-1303/1304/1305/1306/1329 CVCS Pressure Test	-	b	b	-	-	b	-
C7.10	EST-366		-	-	-	-	-	-	-
2	CVCS-2060		-	-	-	-	-	-	-
<b>C-H</b>	606900	2165-I-1304, 1305 CVCS Pressure Test	-	b	b	-	-	b	-
C7.10	EST-367		-	-	-	-	-	-	-
2	CVCS-2060		-	-	-	-	-	-	-
<b>D-B</b>	607100	2165-S-0544 AFW Pressure Test	-	b	-	b	-	b	-
D2.10	EST-368		-	-	-	-	-	-	-
3	AFW-3065		-	-	-	-	-	-	-
<b>D-B</b>	607300	2165-I-1319 CCW Pressure Test	-	b	b	-	-	b	-
D2.10	EST-369		-	-	-	-	-	-	-
3	CCW-4080		-	-	-	-	-	-	-
<b>D-B</b>	607400	2165-I-1319 CCW Pressure Test	-	b	b	-	-	b	-
D2.10	EST-370		-	-	-	-	-	-	-
3	CCW-4080		-	-	-	-	-	-	-
<b>C-H</b>	608000	2165-I-1308 Safety Injection Pressure Test	-	b	-	b	-	b	-
C7.10	EST-371		-	-	-	-	-	-	-
2	SI-2080		-	-	-	-	-	-	-
<b>C-H</b>	608200	2165-I-1308 Safety Injection Pressure Test	-	b	-	b	-	b	-
C7.10	EST-372		-	-	-	-	-	-	-
2	SI-2080		-	-	-	-	-	-	-
<b>C-H</b>	609300	2165-I-0552 Sampling System Pressure Test	-	b	-	b	-	b	-
C7.10	EST-373		-	-	-	-	-	-	-
2	SP-8020		-	-	-	-	-	-	-
<b>C-H</b>	609600	2165-I-1303, 1303-S01/S02 CVCS Pressure Test	-	b	-	b	-	b	-
C7.10	EST-374		-	-	-	-	-	-	-
2	CVCS-2060		-	-	-	-	-	-	-

<b>C-H</b>	610000	2165-I-1310, 1324 RHR Pressure Test	-	b	-	b	-	b	-
C7.10	EST-375		-	-	-	-	-	-	-
2	RHR-2085		-	-	-	-	-	-	-
<b>C-H</b>	610100	2165-I-1310, 1324 RHR Pressure Test	-	b	-	b	-	b	-
C7.10	EST-376		-	-	-	-	-	-	-
2	RHR-2085		-	-	-	-	-	-	-
<b>C-H</b>	610200	2165-I-0552, 1309 Safety Injection Pressure Test	b	-	b	-	-	-	b
C7.10	EST-377		-	-	-	-	-	-	-
2	SI-2085		-	-	-	-	-	-	-
<b>C-H</b>	610250	2165-I-1309 Safety Injection (Nitrogen) Pressure Test	b	-	b	-	-	-	b
C7.10	EST-378		-	-	-	-	-	-	-
2	SI-2085		-	-	-	-	-	-	-
<b>C-H</b>	610400	2165-I- 1308/1310/1324 Safety Injection Pressure Test	b	-	b	-	-	-	b
C7.10	EST-380		-	-	-	-	-	-	-
2	SI-2085		-	-	-	-	-	-	-
<b>C-H</b>	612400	2165-I-1303, 1303 S01/S02, 1305, 1308, 1329,1304 CVCS Pressure Test	-	b	-	-	b	b	-
C7.10	EST-385		-	-	-	-	-	-	-
2	CVCS-2060		-	-	-	-	-	-	-
<b>C-H</b>	612450	2165-I-1305, 1329 CVCS Pressure Test	-	b	-	b	-	b	-
C7.10	EST-386		-	-	-	-	-	-	-
2	CVCS-2060		-	-	-	-	-	-	-
<b>C-H</b>	612700	2165-I-1305 CVCS Pressure Test	-	b	-	-	b	b	-
C7.10	EST-388		-	-	-	-	-	-	-
2			-	-	-	-	-	-	-

<b>C-H</b>	612900	2165-I-0552	-	b	-	b	-	b	-
C7.10	EST-389	Reactor Coolant Sampling System Pressure Test	-	-	-	-	-	-	-
2	SP-2115		-	-	-	-	-	-	-
			-	-	-	-	-	-	-
<b>C-H</b>	613000	2165-I-0552	-	b	-	b	-	b	-
C7.10	EST-390	Reactor Coolant Sampling System Pressure Test	-	-	-	-	-	-	-
2	SP-2115		-	-	-	-	-	-	-
			-	-	-	-	-	-	-
<b>C-H</b>	613100	2165-I-0552	-	b	-	b	-	b	-
C7.10	EST-391	Reactor Coolant Sampling System Pressure Test	-	-	-	-	-	-	-
2	SP-2115		-	-	-	-	-	-	-
			-	-	-	-	-	-	-
<b>D-B</b>	616600	2165-I-0807	-	b	-	-	b	b	-
D2.10	EST-395	Fuel Pools Cooling Pressure Test	-	-	-	-	-	-	-
3	SF-7110		-	-	-	-	-	-	-
			-	-	-	-	-	-	-
<b>D-B</b>	616700	2165-I-0807	-	b	-	-	b	b	-
D2.10	EST-396	Fuel Pools Cooling Pressure Test	-	-	-	-	-	-	-
3	SF-7110		-	-	-	-	-	-	-
			-	-	-	-	-	-	-
<b>D-B</b>	616800	2165-I-0547/0808	-	b	-	-	b	b	-
D2.10	EST-397	ESW Pressure Test	-	-	-	-	-	-	-
3	ESW-4115		-	-	-	-	-	-	-
			-	-	-	-	-	-	-
<b>D-B</b>	616900	2165-I-0547/0808	-	b	-	-	b	b	-
D2.10	EST-398	ESW Pressure Test	-	-	-	-	-	-	-
3	ESW-4065		-	-	-	-	-	-	-
			-	-	-	-	-	-	-
<b>B-P</b>	620200	2165-I-1300	b	b	b	b	b	b	b
B15.10	PKG-EST- 227	RCS Leak Test	-	-	-	-	-	-	-
1	RC-1005		-	-	-	-	-	-	-
			-	-	-	-	-	-	-

<b>C-H</b>	620300	2165-I-1303	b	-	b	-	-	-	b
C7.10	EST-403	Excess Letdown Heat Exchanger Pressure Test	-	-	-	-	-	-	-
2	CS-2060		-	-	-	-	-	-	-
<b>B-P</b>	620400		b	b	b	b	b	b	b
B15.10	EST-322	Class 1 Bolting Pressure Test	-	-	-	-	-	-	-
1	RC-1005		-	-	-	-	-	-	-
<b>C-H</b>	620500	2165-I-1300	-	b	b	-	-	b	-
C7.10	EST-402	RPV Flange Leak- Off Lines	-	-	-	-	-	-	-
2	RC-1005		-	-	-	-	-	-	-
<b>C-H</b>	620700	2165-I-0544 SH 02	b	-	-	-	b	b	-
C7.10	EST-399	MFIV Nitrogen Supply	-	-	-	-	-	-	-
2	FW-3050		-	-	-	-	-	-	-
<b>D-B</b>	620800	2165-I-0547, 0633 S02, 0808	-	b	-	b	-	b	-
D2.10	EST-404	Buried Piping	-	-	-	-	-	-	-
3	ESW-4065, FO, SC		-	-	-	-	-	-	-