



PSI PROGRAM PLAN:

REACTOR RECIRCULATION SYSTEM

PERRY NUCLEAR POWER PLANT, UNIT 1

Prepared For
CLEVELAND ELECTRIC ILLUMINATING COMPANY

Project Application 5532		Copy No	Assigned To		
APPROVALS					
TITLE / DEPT. - SIGNATURE - DATE					
REV NO	PREPARED BY	ISI Prog. Eng. Mgr.	Proj. Mgr.	QA Manager	
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1					
2	Susan Meyer 10/1/84	<i>B. Bernard</i> 10/02/84	<i>[Signature]</i> 10/22/84	<i>MEalling for LCL</i> 10-24-84	
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REVISION LOG

NUCLEAR ENERGY SERVICES, INC.

DOCUMENT NO. 80A4428

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REV. NO.	DATE	PAGE NO.	DESCRIPTION	APPROVAL
1	12/7/83	1	CRA No. 3761	<i>JSP</i>
		Thru 55	Added Component Examinations	
2	10/24/84	All	Revised to incorporate customer comments, field changes and addition of welded attachments.	<i>Susan Meyer</i>
			FC's 09-01 #1 thru #18	
			and 09-02 #1 thru #19	
			CRA #4681	

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REACTOR RECIRCULATION SYSTEM

1. INTRODUCTION

This document has been prepared to (1) delineate system-specific, itemized Preservice Inspection (PSI) requirements and, (2) present appropriate diagrams locating the areas for examination. All components in the Reactor Recirculation (RR) system required to be examined by ASME BPV Code, Section XI, are included.

The General Reference Text, NES Document 80A4420, presents the development and required procedural information for the PSI Program Plan generic to all systems examined.

2. SYSTEM DESCRIPTION

2.1 EXEMPTIONS



The portions of the RR System that are exempted from examination as allowed by ASME BPV Code, Section XI, and as described in the General Reference Text are presented in Table 2.1.

2.2 EXCEPTIONS



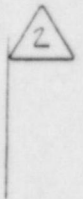
Exception may be taken to code requirements of examination where access is not possible due to design limitations. Provision for such exception is presented in the General Reference Text. Exceptions that are taken to required exams of the RR System are itemized in Table 2.2 (Provided later).

2.3 CLASSIFICATIONS



This system's piping and instrumentation diagrams have been reviewed and Quality Group A, B and C (ASME Code Class 1, 2 and 3) boundaries have been established as required by ASME Code Section XI, IWA-1400. The General Reference Text discusses the basis for these determinations.

Diagrams delineating these boundaries for the RR System are presented herein. RR System classification and boundaries are presented in Table 2.3.



2.4 CALIBRATION STANDARDS

Table 2.4 lists the Calibration Standards for ultrasonic examinations scheduled for the RR System. All calibration standards are to be retained on site.

Design drawing documents are presented in Table 3.5 (Later) of General Reference Text.

TABLE 2.4
Referenced Calibration Standard

<u>Title</u>	<u>Nominal Size</u>	<u>Thickness</u>	<u>Material</u>
PY-24-XX1-SS	24"	1.386"	SA358
PY-24-XX1-SS-F	24"	1.735"	SA403
PY-24-XX2-SS-F	24"	1.400"	SA403
PY-24-CLAD-SS	24"	1.386"	SA358
PY-22-XX1-SS	22"	1.006"	SA358
PY-22-XX2-SS	22"	1.25"	SA403
PY-22-CLAD-SS	22"	1.000"	SA358
PY-16-100-SS	16"	1.031"	SA358
PY-16-CLAD-SS	16"	1.030"	SA358
PY-12-80-SS-F	12"	.685"	SA403
PY-12-XX1-SS	12.75"	.700"	SA358
PY-12-SWEEP-SS	12"	.7"	SA403
PY-12-CLA-SS	12"	.7"	SA358
PY-4-XX1-SS	4"	.325"	SA358
PY-STUD-RR-3-CS	—	3"φ	SA194



2.5 ISOMETRIC FIGURES AND SKETCHES

The piping isometric and component figures listed in Table 2.5 show the identification and location of areas for the RR System requiring examination. Sketches may also be included that illustrate or locate areas of components requiring identification for examination.

TABLE 2.5
RR System: Isometric/Component Figures

09-01	Revision 1
09-02	Revision 1
09-03	Revision 0
09-04	Revision 0



3. PROGRAM PLAN AND SCHEDULE

The specific PSI examination requirements are defined in the PSI Program Plan and its schedule tables. Each weld or other examination area is designated by a unique identification number, and then described. Also identified are applicable examination category, method, procedure number, any calibration standard number referenced for ultrasonic examination, and the zone in which the examination area is located, as described in Section 3 of the General Reference Text.

Examination items are first divided according to the weld or hanger figure that they appear on. Multiple examination requirements of the same component are listed together in the schedule tables. Component examinations or component bolting follow the piping weld examinations for each system. Hanger examinations appear as the next section, followed by the hydrovisual examination requirements.



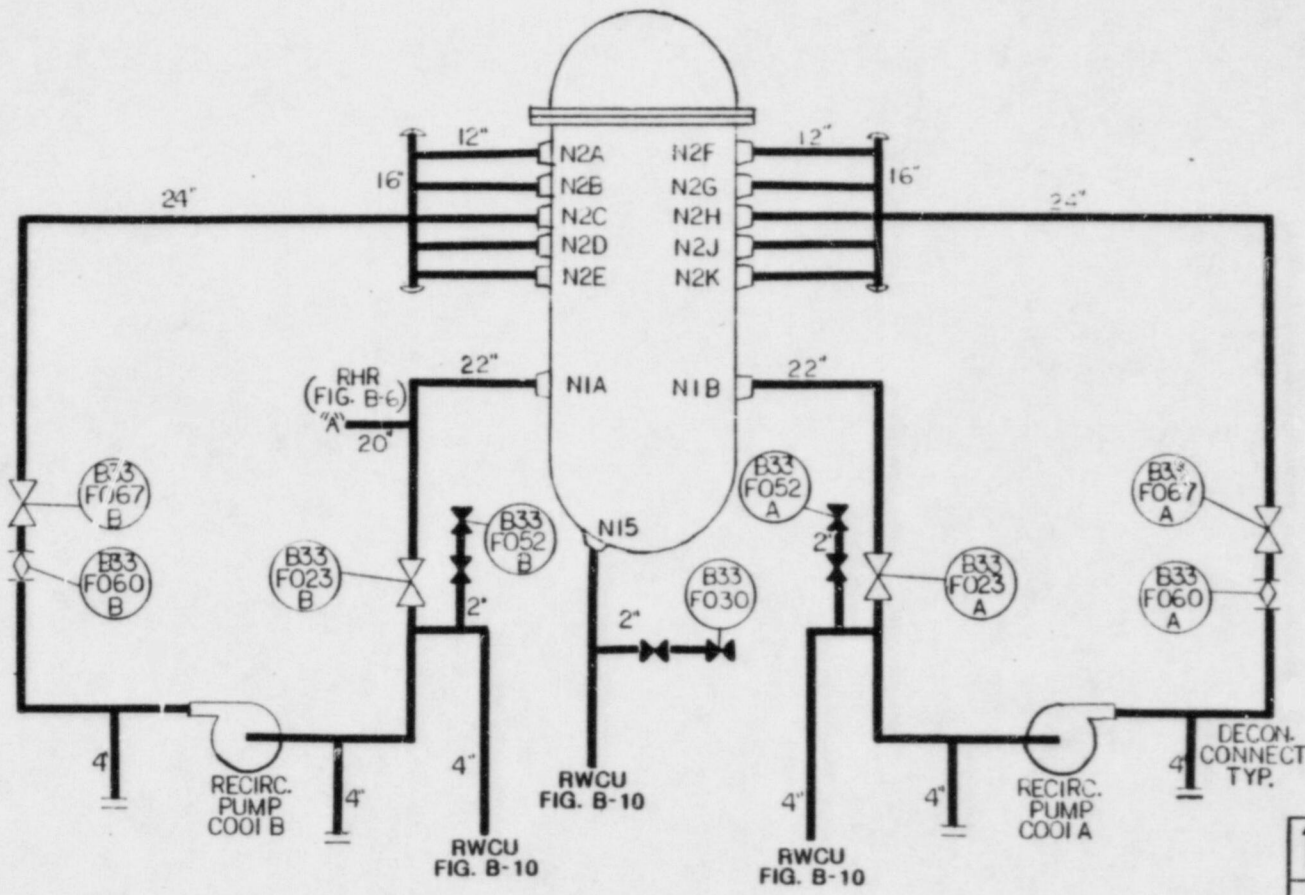
**TABLE 2.1
SYSTEM EXEMPTIONS**

<u>ASME Code Class</u>	<u>Description</u>	<u>Ref. P&ID</u>	<u>Basis For Exemption</u>
1	All component connections, piping and associated valves of 1" nominal size and smaller	D-302-602	Piping 1" nominal size and smaller exempted as per ASME Section XI Code IWB-1220(b) S'78 Addenda
2	All vent, drain, test sample, fill, by-pass and instrument connections 4" nominal size or smaller	D-302-602	All component connections, piping & associated valves, and vessels (and their supports) that are 4" nominal pipe size & smaller are exempted as per ASME Section XI, IWC-1220(d) S'75 Addenda

2

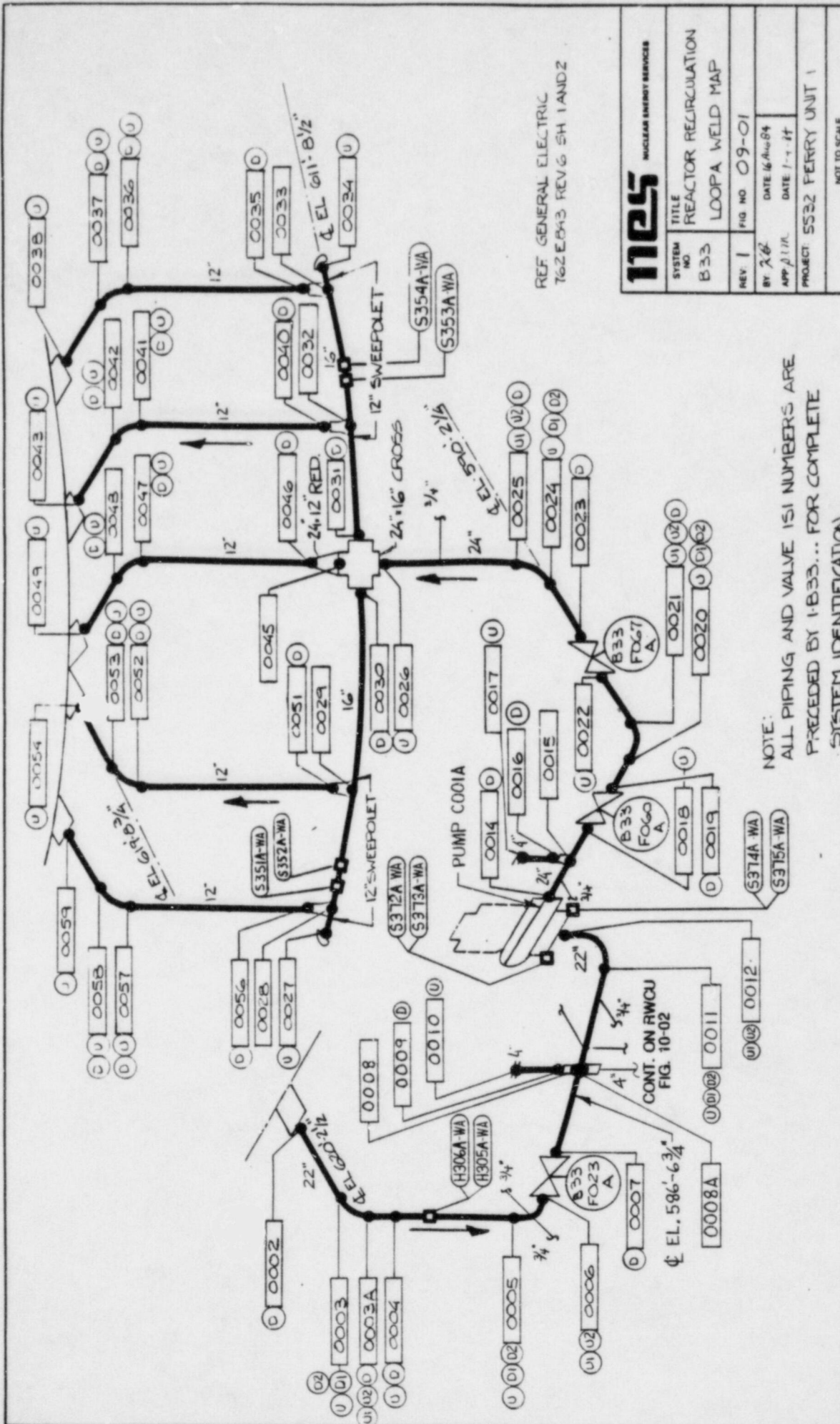
TABLE 2.3
SYSTEM EXEMPTIONS

<u>ASME Code Class</u>	<u>Description</u>	<u>Ref. P&ID</u>
1	Loops A and B from Reactor Pressure Vessel (RPV) through valves B-33-F023 A, B; through pumps C001 A, B; and through valves B33-F060 A, B and B33-F067 A, B to RPV, including 4" Decontamination Connections and Reactor Water Clean Up (RWCU) Intertie	D-302-602



REF. DRWGS.
D-302-602

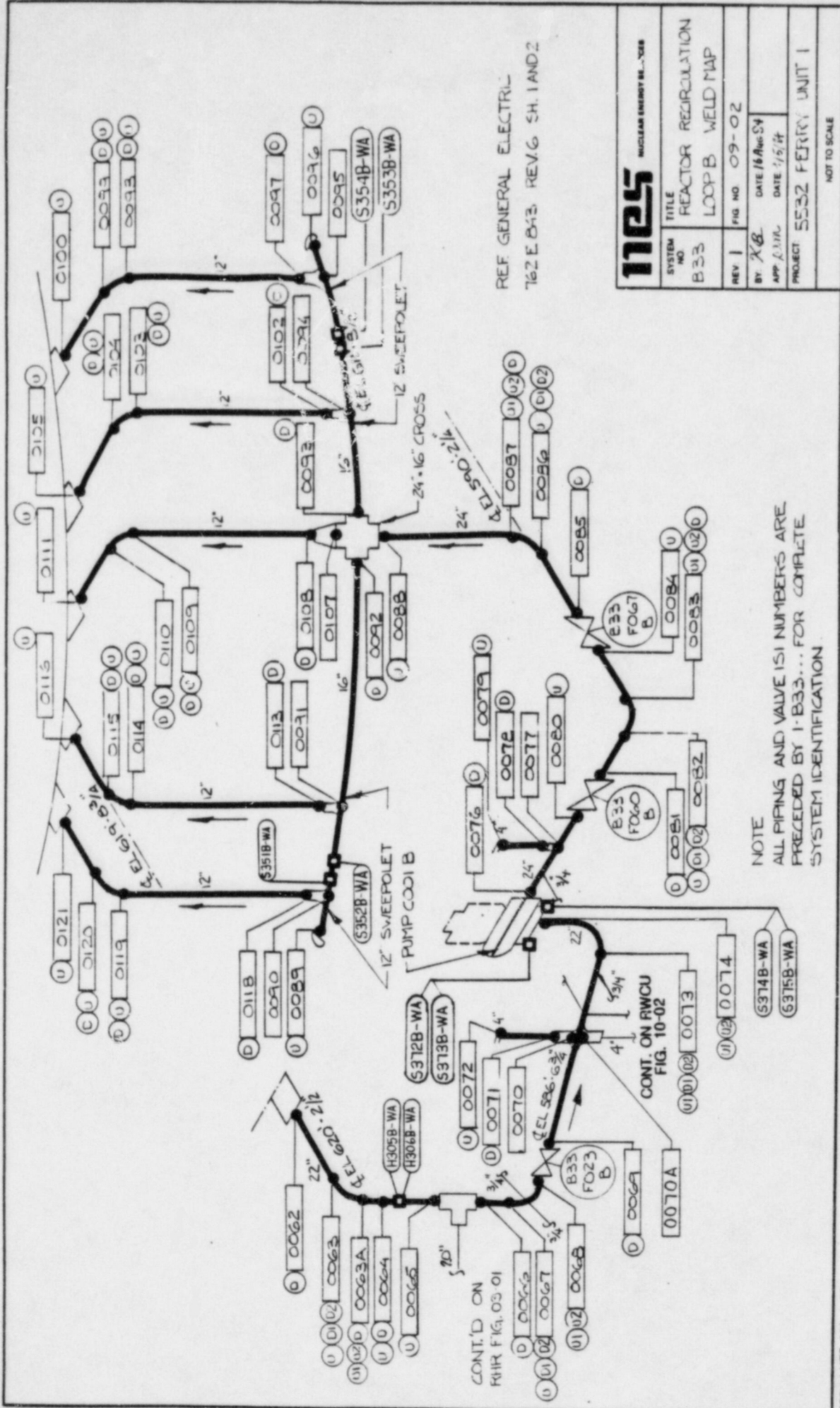
nes NUCLEAR ENERGY SERVICES	
SYSTEM NO. B53	TITLE SYSTEM CLASSIFICATION RECIRCULATION
REV. 1	FIG. NO. B-3
BY: <i>JA</i> DATE: 8/2/84	GROUP A
APP: <i>JA</i> DATE: 8/84	
PROJECT PERRY-5532	
NOT TO SCALE	



REF GENERAL ELECTRIC
 T62E043 REV 6 SH 1 AND 2

nes NUCLEAR ENERGY SERVICES	
SYSTEM NO B33	TITLE REACTOR RECIRCULATION LOOPA WELD MAP
REV 1	FIG NO 09-01
BY 26	DATE 16/10/84
APP JIL	DATE 1-1-84
PROJECT 5522 FERRY UNIT 1	
NOT TO SCALE	

NOTE:
 ALL PIPING AND VALVE ISI NUMBERS ARE
 PRECEDED BY 1-B33... FOR COMPLETE
 SYSTEM IDENTIFICATION.

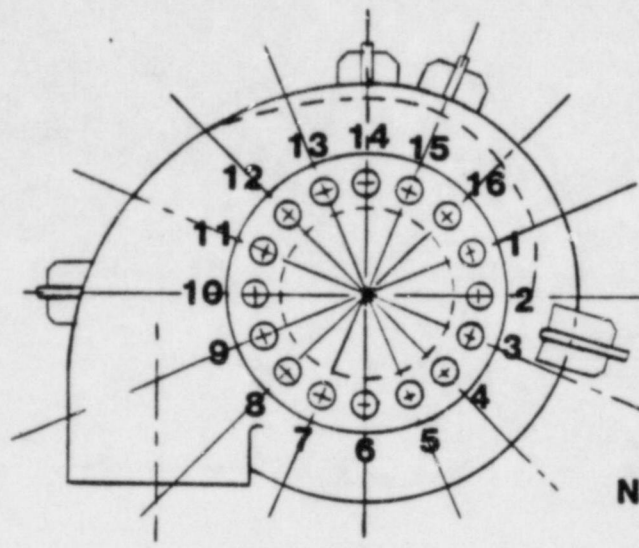


REF GENERAL ELECTRIC
T62E B43 REV. 6 SH. 1 AND 2

1125 NUCLEAR ENERGY REACTOR

SYSTEM NO.	TITLE		
B33	REACTOR RECIRCULATION LOOP B WELD MAP		
REV 1	FIG NO.	DATE	
	09-02	18 Aug 54	
BY X.B.	DATE	DATE	
APP J.L.V.	1/5/54	1/5/54	
PROJECT 5532 FERRY UNIT 1			
NOT TO SCALE			

NOTE
ALL PIPING AND VALVE ISI NUMBERS ARE PRECEDED BY 1-B33... FOR COMPLETE SYSTEM IDENTIFICATION.



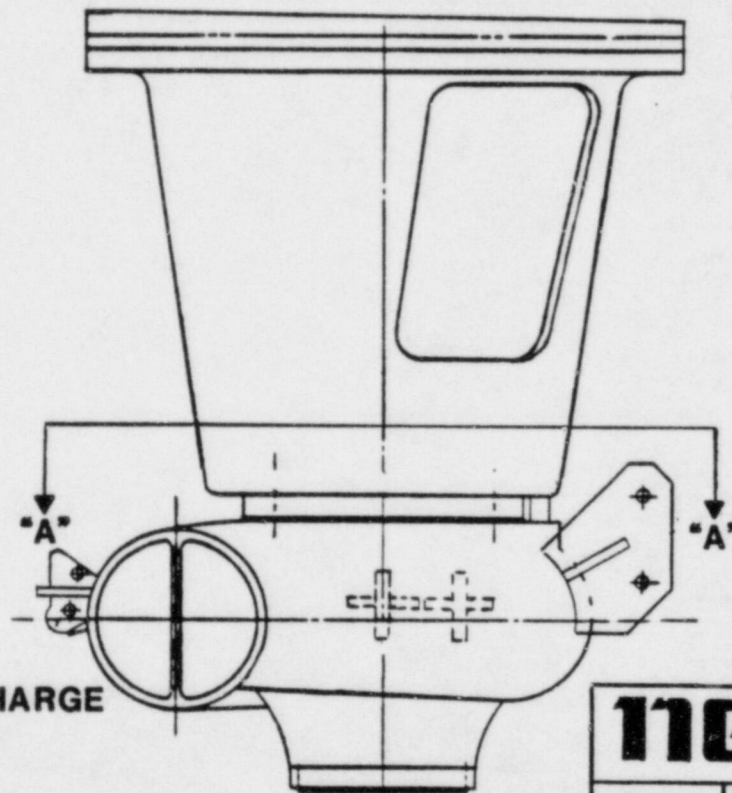
CONTAINMENT

EX.:

1-B33-C001A-B2
1-B33-C001A-N2

VIEW "A"-"A"

NOTE: COMPLETE BOLTING IDENTIFICATION NUMBERS HAVE PREFIX OF 1-B33-C001A FOLLOWING WITH "N" DESIGNATING NUT AND "B" DESIGNATING BOLT



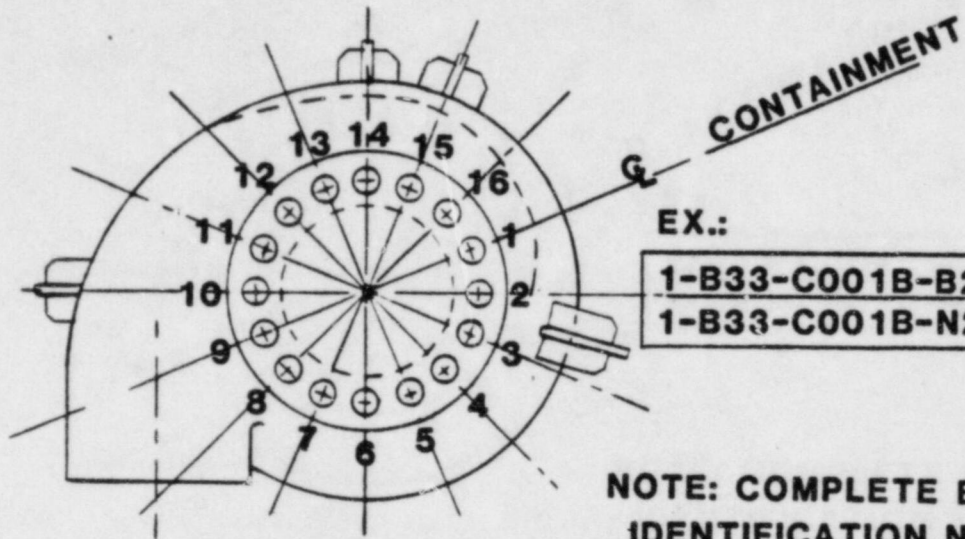
DISCHARGE

SUCTION

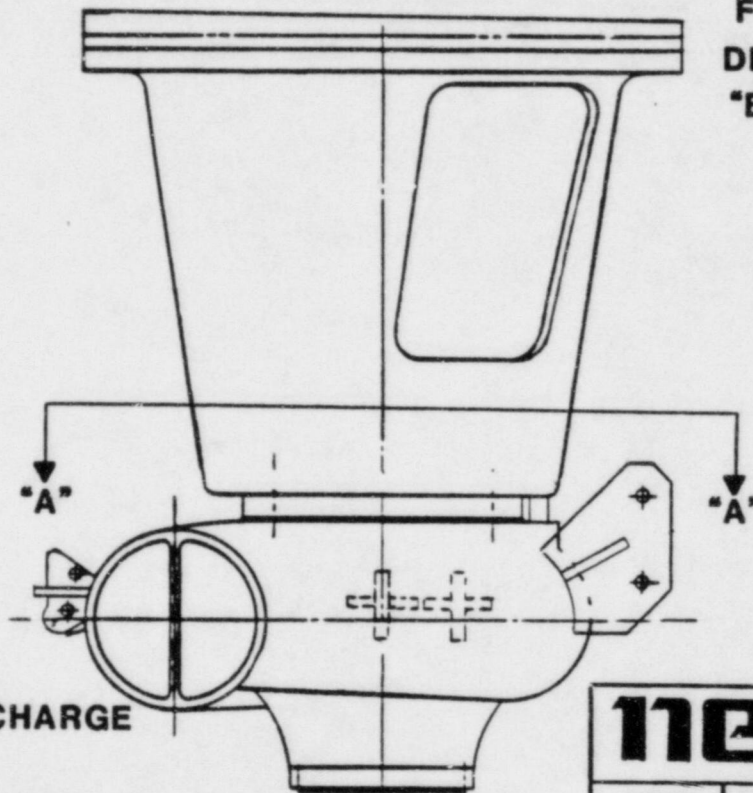
REF. DWGS.
 BYRON JACKSON PUMP
 DWG. NO. 1F-7837 REV. C
 " 1F-6865 REV. B

nes NUCLEAR ENERGY SERVICES	
SYSTEM NO. B33	TITLE REACTOR RECIRC. PUMP C001A BOLTING LOCATION
REV: 0	FIG. NO. 09-03
BY: <i>VB</i>	DATE: <i>8/19/83</i>
APP: <i>AA</i>	DATE: <i>10/10/83</i>
PROJECT:	PERRY UNIT 1
NOT TO SCALE	

CLASS 1 -



VIEW "A"- "A"



DISCHARGE

SUCTION

REF. DWGS.


BYRON JACKSON PUMP

DWG. NO. 1F-7837 REV. C

1F-6865 REV. B

nes NUCLEAR ENERGY SERVICES	
SYSTEM NO. B33	TITLE REACTOR RECIRC. PUMP C001B BOLTING LOCATION
REV: 0	FIG. NO. 09-04
BY: <i>VB</i>	DATE: <i>8/19/83</i>
APP: <i>AA</i>	DATE: <i>10/10/83</i>
PROJECT:	PERRY UNIT 1
NOT TO SCALE	

CLASS 1-

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	PROCEDURE NUMBER	CALIBRATION BLOCK (If applicable)	CODE CATEGORY	CODE EXAM METHOD	ZONE NO.	REMARKS
LOOP A PIPING WELDS							
Ref. Dwg. No. 09-01							
I-B33-0002	22" Nozzle to Pipe	80A0187	PY-22-CLAD-SS	B-J	UT	III	
		80A0183	N/A		PT		
I-B33-0002-D	Pipe Seam Downstream	80A0187	PY-22-XXI-SS	B-J	UT	III	
		80A0183	N/A		PT		
I-B33-0003	22" Pipe to Elbow	80A0187	PY-22-XXI-SS	B-J	UT	III	
		80A0183	N/A		PT		
I-B33-0003-U	Pipe Seam Upstream	80A0187	PY-22-XXI-SS	B-J	UT	III	
		80A0183	N/A		PT		
I-B33-0003-D1	Elbow Short Seam Downstream	80A0187	PY-22-XXI-SS-F	B-J	UT	III	
		80A0183	N/A		PT		
I-B33-0003-D2	Elbow Long Seam Downstream	80A0187	PY-22-XXI-SS-F	B-J	UT	III	
		80A0183	N/A		PT		
I-B33-0003A	22" Elbow to Pipe	80A0187	PY-22-XXI-SS	B-J	UT	III	
		80A0183	N/A		PT		
I-B33-0003A-U1	Elbow Short Seam Upstream	80A0187	PY-22-XXI-SS-F	B-J	UT	III	
		80A0183	N/A		PT		




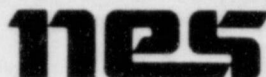
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App: J.M. / 10/59
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COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	PROCEDURE NUMBER	CALIBRATION BLOCK (If applicable)	CODE CATEGORY	CODE EXAM METHOD	ZONE NO.	REMARKS
LOOP A PIPING WELDS							
Ref. Dwg. No. 09-01							
1-B33-0003A-U2	Elbow Long Seam Upstream	80A0187	PY-22-XXI-SS-F	B-J	UT	III	 2
		80A0183	N/A		PT		
1-B33-0003A-D	Pipe Seam Downstream	80A0187	PY-22-XXI-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0004	22" Pipe to Pipe	80A0187	PY-22-CLAD-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0004-U	Pipe Seam Upstream	80A0187	PY-22-XXI-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0004-D	Pipe Seam Downstream	80A0187	PY-22-XXI-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0005	22" Pipe to Elbow	80A0187	PY-22-XXI-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0005-U	Pipe Seam Upstream	80A0187	PY-22-XXI-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0005-D1	Elbow Short Seam Downstream	80A0187	PY-22-XXI-SS-F	B-J	UT	II	
		80A0183	N/A		PT		




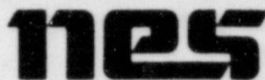
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App: Sam / 10/84
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LOOP A PIPING WELDS							
Ref. Dwg. No. 09-01							
1-B33-0005-D2	Elbow Long Seam Downstream	80A0187	PY-22-XX1-SS-F	B-J	UT	II	 2
		80A0183	N/A		PT		
1-B33-0006	22" Elbow to Valve B33-F023A	80A0187	PY-22-XX1-SS-F	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0006-U1	Elbow Short Seam Upstream	80A0187	PY-22-XX1-SS-F	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0006-U2	Elbow Long Seam Downstream	80A0187	PY-22-XX1-SS-F	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0007	22" Valve B33-F023A to Pipe	80A0187	PY-22-CLAD-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0007-D	Pipe Seam Downstream	80A0187	PY-22-XX1-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0008	22" Pipe to 22" x 4" Contour Nozzle	80A0187	PY-22-XX1-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0009	22" x 4" Contour Nozzle to 4" Pipe	80A0187	PY-4-XX1-SS	B-J	UT	II	
		80A0183	N/A		PT		



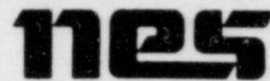
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COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	PROCEDURE NUMBER	CALIBRATION BLOCK (If applicable)	CODE CATEGORY	CODE EXAM METHOD	ZONE NO.	REMARKS
LOOP A PIPING WELDS							
Ref. Dwg. No. 09-01							
1-B33-0009D	Pipe Seam, Downstream	80A0187	PY-4-XXI-SS	B-J	UT	II	2
		80A0183	N/A		PT		
1-B33-0010	4" Pipe to Flange	80A0187	PY-4-XXI-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0010U	Pipe Seam Upstream	80A0187	PY-4-XXI-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0008A	22" Pipe to 22" x 4" Sweepolet	80A0187	PY-22-XXI-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0011	22" Pipe to Elbow	80A0187	PY-22-XXI-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0011-U	Pipe Seam Upstream	80A0187	PY-22-XXI-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0011-D1	Elbow Short Seam Downstream	80A0187	PY-22-XXI-SS-F	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0011-D2	Elbow Long Seam Downstream	80A0187	PY-22-XXI-SS-F	B-J	UT	II	
		80A0183	N/A		PT		



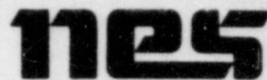
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COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	PROCEDURE NUMBER	CALIBRATION BLOCK (If applicable)	CODE CATEGORY	CODE EXAM METHOD	ZONE NO.	REMARKS
LOOP A PIPING WELDS							
Ref. Dwg. No. 09-01							
1-B33-0012	22" Elbow to Pump C001A Casing	80A0187	PY-22-XX2-SS-F	B-L-1	UT	II	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">2</div>
		80A0183	N/A		PT		
1-B33-0012-U1	Elbow Short Seam Upstream	80A0187	PY-22-XX1-SS-F	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0012-U2	Elbow Long Seam Upstream	80A0187	PY-22-XX1-SS-F	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0014	Pump C001A Casing to 24" Pipe	80A0187	PY-24-CLAD-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0014-D	Pipe Seam Downstream	80A0187	PY-24-XX1-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0015	24" Pipe to 24" x 4" Contour Nozzle	80A0187	PY-24-XX1-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0016	24" x 4" Contour Nozzle to 4" Pipe	80A0187	PY-4-XX1-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0016-D	Pipe Seam Downstream	80A0187	PY-4-XX1-SS	B-J	UT	II	
		80A0183	N/A		PT		



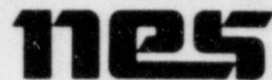
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COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	PROCEDURE NUMBER	CALIBRATION BLOCK (If applicable)	CODE CATEGORY	CODE EXAM METHOD	ZONE NO.	REMARKS
LOOP A PIPING WELDS							
Ref. Dwg. No. 09-01							
1-B33-0017	4" Pipe to Flange	80A0187	PY-4- XX1-SS	B-J	UT	II	2
		80A0183	N/A		PT		
1-B33-0017-U	Pipe Seam Upstream	80A0187	PY-4- XX1-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0018	24" Pipe to Valve B33-F060A	80A0187	PY-24- CLAD-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0018-U	Pipe Seam Upstream	80A0187	PY-24- XX1-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0019	24" Valve B33-F060A to Pipe	80A0187	PY-24- CLAD-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0019-D	Pipe Seam Downstream	80A0187	PY-24- XX1-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0020	24" Pipe to Elbow	80A0187	PY-24- XX1-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0020-U	Pipe Seam Upstream	80A0187	PY-24- XX1-SS	B-J	UT	II	
		80A0183	N/A		PT		











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LOOP A PIPING WELDS											
Ref. Dwg. No. 09-01											
1-B33-0020-D1	Elbow Short Seam	80A0187	PY-24- XX1-SS-F	B-J	UT	II					
		80A0183	N/A					PT			
1-B33-0020-D2	Elbow Long Seam	80A0187	PY-24- XX1-SS-F	B-J	UT	II					
		80A0183	N/A						PT		
1-B33-0021	24" Elbow to Pipe	80A0187	PY-24- XX1-SS	B-J	UT	II					
		80A0183	N/A							PT	
1-B33-0021-U1	Elbow Short Seam	80A0187	PY-24- XX1-SS-F	B-J	UT	II					
		80A0183	N/A								PT
1-B33-0021-U2	Elbow Long Seam	80A0187	PY-24- XX1-SS-F	B-J	UT	II					
		80A0183	N/A								
1-B33-0021-D	Pipe Seam Downstream	80A0187	PY-24- XX1-SS	B-J	UT	II					
		80A0183	N/A								
1-B33-0022	24" Pipe to Valve B33-F067A	80A0187	PY-24- CLAD-SS	B-J	UT	II					
		80A0183	N/A								
1-B33-0022-U	Pipe Seam Upstream	80A0187	PY-24- XX1-SS	B-J	UT	II					
		80A0183	N/A								

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	PROCEDURE NUMBER	CALIBRATION BLOCK (If applicable)	CODE CATEGORY	CODE EXAM METHOD	ZONE NO	REMARKS
LOOP A PIPING WELDS							
Ref. Dwg. No. 09-01							
1-B33-0023	24" Valve B33-F067A to Pipe	80A0187	PY-24- CLAD-SS	B-J	UT	II	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">2</div>
		80A0183	N/A		PT		
1-B33-0023-D	Pipe Seam Downstream	80A0187	PY-24- XXI-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0024	24" Pipe to Elbow	80A0187	PY-24- XXI-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0024-U	Pipe Seam Upstream	80A0187	PY-24- XXI-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0024-D1	Elbow Short Seam Downstream	80A0187	PY-24- XXI-SS-F	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0024-D2	Elbow Long Seam Downstream	80A0187	PY-24- XXI-SS-F	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0025	24" Elbow to Pipe	80A0187	PY-24- XXI-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0025-U1	Elbow Short Seam Upstream	80A0187	PY-24- XXI-SS-F	B-J	UT	II	
		80A0183	N/A		PT		



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LOOP A PIPING WELDS							
Ref. Dwg. No. 09-01							
1-B33-0025-U2	Elbow Long Seam Upstream	80A0187	PY-24- XX1-SS-F	B-J	UT	II	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">2</div>
		80A0183	N/A		PT		
1-B33-0025-D	Pipe Seam Downstream	80A0187	PY-24- XX1-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0026	24" Pipe to 24" x 16" Cross	80A0187	PY-24- CLAD-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0026-U	Pipe Seam Upstream	80A0187	PY-24- XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0027	16" Pipe Cap to Pipe	80A0187	PY-16- CLAD-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0027-U	Pipe Seam Upstream	80A0187	PY-16- 100-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0028	16" Pipe to 16" x 12" Sweeplet	80A0187	PY-16- 100-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0029	16" Pipe to 16" x 12" Sweeplet	80A0187	PY-16- 100-SS	B-J	UT	III	
		80A0183	N/A		PT		




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LOOP A PIPING WELDS Ref. Dwg. No. 09-01							
I-B33-0030	16" Pipe to 24" x 16 Cross	80A0187	PY-16-100-SS	B-J	UT	III	
		80A0183	N/A		PT		
I-B33-0030-D	Pipe Seam Downstream	80A0187	PY-16-100-SS	B-J	UT	III	
		80A0183	N/A		PT		
I-B33-0031	24" x 16" Cross to 16" Pipe	80A0187	PY-16-CLAD-SS	B-J	UT	III	
		80A0183	N/A		PT		
I-B33-0031-D	Pipe Seam Downstream	80A0187	PY-16-100-SS	B-J	UT	III	
		80A0183	N/A		PT		
I-B33-0032	16" Pipe to 16" x 12" Sweepolet	80A0187	PY-16-100-SS	B-J	UT	III	
		80A0183	N/A		PT		
I-B33-0033	16" Pipe to 16" x 12" Sweepolet	80A0187	PY-16-100-SS	B-J	UT	III	
		80A0183	N/A		PT		
I-B33-0034	16" Pipe to Cap	80A0187	PY-16-CLAD-SS	B-J	UT	III	
		80A0183	N/A		PT		
I-B33-0034-U	Pipe Seam Upstream	80A0187	PY-16-100-SS	B-J	UT	III	
		80A0183	N/A		PT		




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LOOP A PIPING WELDS							
Ref. Dwg. No. 09-01							
1-B33-0035	16" x 12" Sweepolet to 12" Pipe	80A0187	PY-12-CLAD-SS	B-J	UT	III	Pipe Side 
		80A0187	PY-12-SWEEP-SS		UT		Sweepolet Side
		80A0183	N/A		PT		
1-B33-0035-D	Pipe Seam Downstream	80A0187	PY-12-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0036	12" Pipe to Elbow	80A0187	PY-12-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0036-U	Pipe Seam Upstream	80A0187	PY-12-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0036-D	Elbow Seam Downstream	80A0187	PY-12-80-SS-F	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0037	12" Elbow to Pipe	80A0187	PY-12-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0037-U	Elbow Seam Upstream	80A0187	PY-i2-80-SS-F	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0037-D	Pipe Seam Downstream	80A0187	PY-12-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		




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LOOP A PIPING WELDS								
Ref. Dwg. No. 09-01								
1-B33-0038	12" Pipe to Nozzle	80A0187	PY-12-CLAD-SS	B-J	UT	III	 ↑ ↓	
		80A0183	N/A		PT			
1-B33-0038-U	Pipe Seam Upstream	80A0187	PY-12-XX1-SS	B-J	UT	III		
		80A0183	N/A		PT			
1-B33-0040	16" x 12" Sweepolet to 12" Pipe	80A0187	PY-12-CLAD-SS	B-J	UT	III		Pipe Side
		80A0187	PY-12-SWEEP-SS		UT			Sweepolet Side
		80A0183	N/A		PT			
1-B33-0040-D	Pipe Seam Downstream	80A0187	PY-12-XX1-SS	B-J	UT	III		
		80A0183	N/A		PT			
1-B33-0041	12" Pipe to Elbow	80A0187	PY-12-XX1-SS	B-J	UT	III		
		80A0183	N/A		PT			
1-B33-0041-U	Pipe Seam Upstream	80A0187	PY-12-XX1-SS	B-J	UT	III		
		80A0183	N/A		PT			
1-B33-0041-D	Elbow Seam Downstream	80A0187	PY-12-80-SS-F	B-J	UT	III		
		80A0183	N/A		PT			
1-B33-0042	12" Elbow to Pipe	80A0187	PY-12-XX1-SS	B-J	UT	III		
		80A0183	N/A		PT			




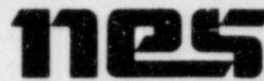
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LOOP A PIPING WELDS							
Ref. Dwg. No. 09-01							
1-B33-0042-U	Elbow Seam Upstream	80A0187	PY-12-80-SS-F	B-J	UT	III	 ↑ ↓
		80A0183	N/A		PT		
1-B33-0042-D	Pipe Seam Downstream	80A0187	PY-12-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0043	12" Pipe to Nozzle	80A0187	PY-12-CLAD-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0043-U	Pipe Seam Upstream	80A0187	PY-12-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0045	24" x 16" Cross to 24" x 12" Reducer	80A0187	PY-24-XX2-SS-F	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0046	24" x 12" Reducer to 12" Pipe	80A0187	PY-12-CLAD-SS	B-J	UT	III	Pipe Side
		80A0187	PY-12-SWEEP-SS		UT		Reducer Side
		80A0183	N/A		PT		
1-B33-0046-D	Pipe Seam Downstream	80A0187	PY-12-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0047	12" Pipe to Elbow	80A0187	PY-12-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		



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LOOP A PIPING WELDS							
Ref. Dwg. No. 09-01							
1-B33-0047-U	Pipe Seam Upstream	80A0187	PY-12-XX1-SS	B-J	UT	III	<div style="border: 1px solid black; padding: 5px; display: inline-block;">2</div>
		80A0183	N/A		PT		
1-B33-0047-D	Elbow Seam Downstream	80A0187	PY-12-80-SS-F	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0048	12" Elbow to Pipe	80A0187	PY-12-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0048-U	Elbow Seam Upstream	80A0187	PY-12-80-SS-F	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0048-D	Pipe Seam Downstream	80A0187	PY-12-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0049	12" Pipe to Nozzle	80A0187	PY-12-CLAD-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0049-U	Pipe Seam Upstream	80A0187	PY-12-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0051	16" x 12" Sweepolet to Pipe	80A0187	PY-12-CLAD-SS	B-J	UT	III	Pipe Side
		80A0187	PY-12-SWEEP-SS		UT		Sweepolet Side
		80A0183	N/A		PT		



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
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LOOP A PIPING WELDS							
Ref. Dwg. No. 09-01							
1-B33-0051-D	Pipe Seam Downstream	80A0187	PY-12-XX1-SS	B-J	UT	III	2
		80A0183	N/A		PT		
1-B33-0052	12" Pipe to Elbow	80A0187	PY-12-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0052-U	Pipe Seam Upstream	80A0187	PY-12-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0052-D	Elbow Seam Downstream	80A0187	PY-12-80-SS-F	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0053	12" Elbow to Pipe	80A0187	PY-12-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0053-U	Elbow Seam Upstream	80A0187	PY-12-80-SS-F	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0053-D	Pipe Seam Downstream	80A0187	PY-12-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0054	12" Pipe to Nozzle	80A0187	PY-12-CLAD-SS	B-J	UT	III	
		80A0183	N/A		PT		

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COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	PROCEDURE NUMBER	CALIBRATION BLOCK (If applicable)	CODE CATEGORY	CODE EXAM METHOD	ZONE NO	REMARKS
LOOP A PIPING WELDS							
Ref. Dwg. No. 09-01							
1-B33-0054-U	Pipe Seam Upstream	80A0187	PY-12-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0056	16" x 12" Sweepolet to 12" Pipe	80A0187	PY-12-CLAD-SS	B-J	UT	III	Pipe Side
		80A0187	PY-12-SWEEP-SS		UT		Sweepolet Side
		80A0183	N/A		PT		
1-B33-0056-D	Pipe Seam Downstream	80A0187	PY-12-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0057	12" Pipe to Elbow	80A0187	PY-12-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0057-U	Pipe Seam Downstream	80A0187	PY-12-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0057-D	Elbow Seam Downstream	80A0187	PY-12-80-SS-F	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0058	12" Elbow to Pipe	80A0187	PY-12-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0058-U	Elbow Seam Downstream	80A0187	PY-12-80-SS-F	B-J	UT	III	
		80A0183	N/A		PT		




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LOOP A PIPING WELDS							
Ref. Dwg. No. 09-01							
I-B33-0058-D	Pipe Seam Upstream	80A0187	PY-12-XXI-SS	B-J	UT	III	
		80A0183	N/A		PT		
I-B33-0059	12" Pipe to Nozzle	80A0187	PY-12-CLAD-SS	B-J	UT	III	
		80A0183	N/A		PT		
I-B33-0059-U	Pipe Seam Upstream	80A0187	PY-12-XXI-SS	B-J	UT	III	
		80A0183	N/A		PT		




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WELDED ATTACHMENTS							
Ref. Dwg. No. 09-01							
I-B33-H306A-WA	Pipe Welded Attachment	80A0183	N/A	B-K-1	PT	III	
I-B33-H305A-WA	Pipe Welded Attachment	80A0183	N/A	B-K-1	PT	III	
I-B33-S372A-WA	Pipe Welded Attachment	80A0183	N/A	B-K-1	PT	II	
I-B33-S373A-WA	Pipe Welded Attachment	80A0183	N/A	B-K-1	PT	II	
I-B33-S374A-WA	Pipe Welded Attachment	80A0183	N/A	B-K-1	PT	II	
I-B33-S375A-WA	Pipe Welded Attachment	80A1083	N/A	B-K-1	PT	II	
I-B33-S351A-WA	Pipe Welded Attachment	80A0183	N/A	B-K-1	PT	III	
I-B33-S352A-WA	Pipe Welded Attachment	80A0183	N/A	B-K-1	PT	III	





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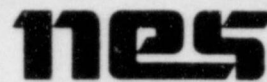
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COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	PROCEDURE NUMBER	CALIBRATION BLOCK (If applicable)	CODE CATEGORY	CODE EXAM METHOD	ZONE NO	REMARKS
<p align="center">WELDED ATTACHMENTS Ref. Dwg. No. 09-01</p>							
I-B33-S353A-WA	Pipe Welded Attachment	80A0183	N/A	B-K-1	PT	III	
I-B33-S354A-WA	Pipe Welded Attachment	80A0183	N/A	B-K-1	PT	III	

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	PROCEDURE NUMBER	CALIBRATION BLOCK (If applicable)	CODE CATEGORY	CODE EXAM METHOD	ZONE NO.	REMARKS
LOOP B PIPING WELDS							
Ref. Dwg. No. 09-02							
1-B33-0062	22" Nozzle to Pipe	80A0187	PY-22-CLAD-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0062-D	Pipe Seam Downstream	80A0187	PY-22-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0063	22" Pipe to Elbow	80A0187	PY-22-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0063-U	Pipe Seam Upstream	80A0187	PY-22-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0063-D1	Elbow Short Seam Downstream	80A0187	PY-22-XX1-SS-F	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0063-D2	Elbow Long Seam Downstream	80A0187	PY-22-XX1-SS-F	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0063A	22" Elbow to Pipe	80A0187	PY-22-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0063A-UI	Elbow Short Seam Upstream	80A0187	PY-22-XX1-SS-F	B-J	UT	III	
		80A0183	N/A		PT		

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	PROCEDURE NUMBER	CALIBRATION BLOCK (If applicable)	CODE CATEGORY	CODE EXAM METHOD	ZONE NO.	REMARKS
LOOP B PIPING WELDS							
Ref. Dwg. No. 09-02							
1-B33-0063A-U2	Elbow Long Seam Upstream	80A0187	PY-22-XXI-SS-F	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0063A-D	Pipe Seam Downstream	80A0187	PY-22-XXI-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0064	22" Pipe to Pipe	80A0187	PY-22-CLAD-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0064-U	Pipe Seam Upstream	80A0187	PY-22-XXI-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0064-D	Pipe Seam Downstream	80A0187	PY-22-XXI-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0065	22" Pipe to 22" x 22" x 20" TEE	80A0187	PY-22-XXI-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0065-U	Pipe Seam Upstream	80A0187	PY-22-XXI-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0066	22" x 22" x 20" TEE to 22" Pipe	80A0187	PY-22-XXI-SS	B-J	UT	III	
		80A0183	N/A		PT		





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LOOP B PIPING WELDS							
Ref. Dwg. No. 09-02							
1-B33-0066-D	Pipe Seam Downstream	80A0187	PY-22-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0067	22" Pipe to Elbow	80A0187	PY-22-XX1-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0067-U	Pipe Seam Upstream	80A0187	PY-22-XX1-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0067-D1	Elbow Short Seam Downstream	80A0187	PY-22-XX1-SS-F	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0067-D2	Elbow Long Seam Downstream	80A0187	PY-22-XX1-SS-F	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0068	22" Elbow to Valve B33-F023-B	80A0187	PY-22-XX2-SS-F	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0068-U1	Elbow Short Seam Upstream	80A0187	PY-22-XX1-SS-F	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0068-U2	Elbow Long Seam Upstream	80A0187	PY-22-XX1-SS-F	B-J	UT	II	
		80A0183	N/A		PT		

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	PROCEDURE NUMBER	CALIBRATION BLOCK (If applicable)	CODE CATEGORY	CODE EXAM METHOD	ZONE NO.	REMARKS
LOOP B PIPING WELDS							
Ref. Dwg. No. 09-02							
1-B33-0069	Valve B33-F023B to 22" Pipe	80A0187	PY-22-CLAD-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0069-D	Pipe Seam Downstream	80A0187	PY-22-XX1-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0070	22" Pipe to 22" x 4" Contour Nozzle	80A0187	PY-22-XX1-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0071	22" x 4" Contour Nozzle to 4" Pipe	80A0187	PY-4-XX1-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0071-D	Pipe Seam Downstream	80A0187	PY-4-XX1-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0072	4" Pipe to Flange	80A0187	PY-4-XX1-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0072-U	Pipe Seam Downstream	80A0187	PY-4-XX1-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0070A	22" Pipe to 22" x 4" Sweepolet	80A0187	PY-22-XX1-SS	B-J	UT	II	
		80A0183	N/A		PT		




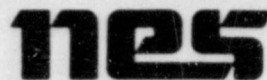
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LOOP B PIPING WELDS Ref. Dwg. No. 09-02							
1-B33-0073	22" Pipe to Elbow	80A0187	PY-22-XX1-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0073-U	Pipe Seam Upstream	80A0187	PY-22-XX1-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0073-D1	Elbow Short Seam Downstream	80A0187	PY-22-XX1-SS-F	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0073-D2	Elbow Long Seam Downstream	80A0187	PY-22-XX1-SS-F	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0074	22" Elbow to Pump C001B Casing	80A0187	PY-22-XX2-SS-F	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0074-U1	Elbow Short Seam Upstream	80A0187	PY-22-XX1-SS-F	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0074-U2	Elbow Long Seam Upstream	80A0187	PY-22-XX1-SS-F	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0076	Pump C001B Casing to 24" Pipe	80A0187	PY-24-CLAD-SS	B-J	UT	II	
		80A0183	N/A		PT		




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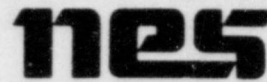
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COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	PROCEDURE NUMBER	CALIBRATION BLOCK (If applicable)	CODE CATEGORY	CODE EXAM METHOD	ZONE NO.	REMARKS
LOOP B PIPING WELDS							
Ref. Dwg. No. 09-02							
1-B33-0076-D	Pipe Seam Downstream	80A0187	PY-24-XX1-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0077	24" Pipe to 24" x 4" Contour Nozzle	80A0187	PY-24-XX1-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0078	24" x 4" Contour Nozzle to 4" Pipe	80A0187	PY-4-XX1-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0078-D	Pipe Seam Downstream	80A0187	PY-4-XX1-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0079	4" Pipe to Flange	80A0187	PY-4-XX1-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0079-U	Pipe Seam Downstream	80A0187	PY-4-XX1-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0080	24" Pipe to Valve B33-F060B	80A0187	PY-24-CLAD-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0080-U	Pipe Seam Upstream	80A0187	PY-24-XX1-SS	B-J	UT	II	
		80A0183	N/A		PT		

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	PROCEDURE NUMBER	CALIBRATION BLOCK (If applicable)	CODE CATEGORY	CODE EXAM METHOD	ZONE NO.	REMARKS
LOOP B PIPING WELDS							
Ref. Dwg. No. 09-02							
I-B33-0081	Valve B33-F060B to 24" Pipe	80A0187	PY-24-	B-J	UT	II	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> 2 </div>
		80A0183	CLAD-SS N/A		PT		
I-B33-0081-D	Pipe Seam Downstream	80A0187	PY-24-	B-J	UT	II	
		80A0183	XXI-SS N/A		PT		
I-B33-0082	24" Pipe to Elbow	80A0187	PY-24-	B-J	UT	II	
		80A0183	XXI-SS N/A		PT		
I-B33-0082-U	Pipe Seam Upstream	80A0187	PY-24-	B-J	UT	II	
		80A0183	XXI-SS N/A		PT		
I-B33-0082-D1	Elbow Short Seam Downstream	80A0187	PY-24-	B-J	UT	II	
		80A0183	XXI-SS-F N/A		PT		
I-B33-0082-D2	Elbow Long Seam Downstream	80A0187	PY-24-	B-J	UT	II	
		80A0183	XXI-SS-F N/A		PT		
I-B33-0083	24" Elbow to Pipe	80A0187	PY-24-	B-J	UT	II	
		80A0183	XXI-SS N/A		PT		
I-B33-0083-U1	Elbow Short Seam Upstream	80A0187	PY-24-	B-J	UT	II	
		80A0183	XXI-SS-F N/A		PT		




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LOOP B PIPING WELDS							
Ref. Dwg. No. 09-02							
1-B33-0083-U2	Elbow Long Seam Upstream	80A0187	PY-24- XX1-SS-F	B-J	UT	II	 2
		80A0183	N/A		PT		
1-B33-0083-D	Pipe Seam Downstream	80A0187	PY-24- XX1-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0084	24" Pipe to Valve B33-F067B	80A0187	PY-24- CLAD-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0084-U	Pipe Seam Upstream	80A0187	PY-24- XX1-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0085	24" Valve to Pipe	80A0187	PY-24- CLAD-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0085-D	Pipe Seam Downstream	80A0187	PY-24- XX1-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0086	24" Pipe to Elbow	80A0187	PY-24- XX1-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0086-U	Pipe Seam Upstream	80A0187	PY-24- XX1-SS	B-J	UT	II	
		80A0183	N/A		PT		



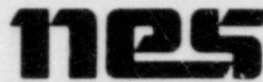
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LOOP B PIPING WELDS							
Ref. Dwg. No. 09-02							
1-B33-0086-D1	Elbow Long Seam Downstream	80A0187	PY-24-XXI-SS-F	B-J	UT	II	2
		80A0183	N/A		PT		
1-B33-0086-D2	Elbow Long Seam Downstream	80A0187	PY-24-XXI-SS-F	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0087	24" Elbow to Pipe	80A0187	PY-24-XXI-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0087-U1	Elbow Short Seam Upstream	80A0187	PY-24-XXI-SS-F	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0087-U2	Elbow Long Seam Upstream	80A0187	PY-24-XXI-SS-F	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0087-D	Pipe Seam Downstream	80A0187	PY-24-XXI-SS	B-J	UT	II	
		80A0183	N/A		PT		
1-B33-0088	24" Pipe to 24" x 16" Cross	80A0187	PY-24-CLAD-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0088-U	Pipe Seam Upstream	80A0187	PY-24-XXI-SS	B-J	UT	III	
		80A0183	N/A		PT		




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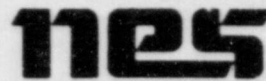
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LOOP B PIPING WELDS							
Ref. Dwg. No. 09-02							
I-B33-0089	16" Pipe Cap to Pipe	80A0187	PY-16-CLAD-SS	B-J	UT	III	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> 2 </div>
		80A0183	N/A		PT		
I-B33-0089-U1	Pipe Seam Upstream	80A0187	PY-16-100-SS	B-J	UT	III	
		80A0183	N/A		PT		
I-B33-0090	16" Pipe to 16" x 12" Sweeplet	80A0187	PY-16-100-SS	B-J	UT	III	
		80A0183	N/A		PT		
I-B33-0091	16" Pipe to 16" x 12" Sweeplet	80A0187	PY-16-100-SS	B-J	UT	III	
		80A0183	N/A		PT		
I-B33-0092	16" Pipe to 24" x 16" Cross	80A0187	PY-16-100-SS	B-J	UT	III	
		80A0183	N/A		PT		
I-B33-0092-D	Pipe Seam Downstream	80A0187	PY-16-100-SS	B-J	UT	III	
		80A0183	N/A		PT		
I-B33-0093	24" x 16" Cross to 16" Pipe	80A0187	PY-16-CLAD-SS	B-J	UT	III	
		80A0183	N/A		PT		
I-B33-0093-D	Pipe Seam Downstream	80A0187	PY-16-100-SS	B-J	UT	III	
		80A0183	N/A		PT		

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	PROCEDURE NUMBER	CALIBRATION BLOCK (If applicable)	CODE CATEGORY	CODE EXAM METHOD	ZONE NO	REMARKS	
LOOP B PIPING WELDS Ref. Dwg. No. 09-02								
1-B33-0094	16" Pipe to 16" x 12" Sweepolet	80A0187	PY-16-100-SS	B-J	UT	III		
		80A0183	N/A		PT			
1-B33-0095	16" Pipe to 16" x 12" Sweepolet	80A0187	PY-16-100-SS	B-J	UT	III		
		80A0183	N/A		PT			
1-B33-0096	16" Pipe to Cap	80A0187	PY-16-CLAD-SS	B-J	UT	III		
		80A0183	N/A		PT			
1-B33-0096-U	Pipe Seam Upstream	80A0187	PY-16-100-SS	B-J	UT	III		
		80A0183	N/A		PT			
1-B33-0097	16" x 12" Sweepolet to 12" Pipe	80A0187	PY-12-CLAD-SS	B-J	UT	III		Pipe Side
		80A0187	PY-12-SWEEP-SS		UT			Sweepolet Side
		80A0183	N/A		PT			
1-B33-0097-D	Pipe Seam Downstream	80A0187	PY-12-XX1-SS	B-J	UT	III		
		80A0183	N/A		PT			
1-B33-0098	12" Pipe to Elbow	80A0187	PY-12-XX1-SS	B-J	UT	III		
		80A0183	N/A		PT			
1-B33-0098-D	Elbow Seam Downstream	80A0187	PY-12-80-SS-F	B-J	UT	III		
		80A0183	N/A		PT			




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COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	PROCEDURE NUMBER	CALIBRATION BLOCK (If applicable)	CODE CATEGORY	CODE EXAM METHOD	ZONE NO.	REMARKS
LOOP B PIPING WELDS Ref. Dwg. No. 09-02							
1-B33-0098-U	Pipe Seam Upstream	80A0187	PY-12-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0099	12" Elbow to Pipe	80A0187	PY-12-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0099-D	Pipe Seam Downstream	80A0187	PY-12-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0099-U	Elbow Seam Upstream	80A0187	PY-12-80-SS-F	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0100	12" Pipe to Nozzle	80A0187	PY-12-CLAD-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0100-U	Pipe Seam Upstream	80A0187	PY-12-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0102	16" x 12" Sweepolet to 12" Pipe	80A0187	PY-12-CLAD-SS	B-J	UT	III	Pipe Side
		80A0187	PY-12-SWEEP-SS		UT		Sweepolet Side
		80A0183	N/A		PT		
1-B33-0102-D	Pipe Seam Downstream	80A0187	PY-12-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		




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LOOP B PIPING WELDS Ref. Dwg. No. 09-02							
1-B33-0103	12" Pipe to Elbow	80A0187	PY-12-XX1-SS	B-J	UT	III	 2
		80A0183	N/A		PT		
1-B33-0103-D	Elbow Seam Downstream	80A0187	PY-12-80-SS-F	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0103-U	Pipe Seam Upstream	80A0187	PY-12-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0104	12" Elbow to Pipe	80A0187	PY-12-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0104-D	Pipe Seam Downstream	80A0187	PY-12-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0104-U	Elbow Seam Upstream	80A0187	PY-12-80-SS-F	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0105	12" Pipe to Nozzle	80A0187	PY-12-CLAD-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0105-U	Pipe Seam Upstream	80A0187	PY-12-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		




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LOOP B PIPING WELDS								
Ref. Dwg. No. 09-02								
1-B33-0107	24" x 16" Cross to 24" x 12" Reducer	80A0187	PY-24-XX2-SS-F	B-J	UT	III	 ↑ ↓	
		80A0183	N/A		PT			
1-B33-0108	24" x 12" Reducer to 12" Pipe	80A0187	PY-12-CLAD-SS	B-J	UT	III		Pipe Side
		80A0187	PY-12-SWEEP-SS		UT			Reducer Side
		80A0183	N/A		PT			
1-B33-0108-D	Pipe Seam Downstream	80A0187	PY-12-XX1-SS	B-J	UT	III		
		80A0183	N/A		PT			
1-B33-0109	12" Pipe to Elbow	80A0187	PY-12-XX1-SS	B-J	UT	III		
		80A0183	N/A		PT			
1-B33-0109-D	Elbow Seam Downstream	80A0187	PY-12-80-SS-F	B-J	UT	III		
		80A0183	N/A		PT			
1-B33-0109-U	Pipe Seam Upstream	80A0187	PY-12-XX1-SS	B-J	UT	III		
		80A0183	N/A		PT			
1-B33-0110	12" Elbow to Pipe	80A0187	PY-12-XX1-SS	B-J	UT	III		
		80A0183	N/A		PT			
1-B33-0110-D	Pipe Seam Downstream	80A0187	PY-12-XX1-SS	B-J	UT	III		
		80A0183	N/A		PT			




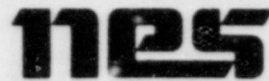
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LOOP B PIPING WELDS								
Ref. Dwg. No. 09-02								
1-B33-0110-U	Elbow Seam Upstream	80A0187	PY-12-80-SS-F	B-J	UT	III	 ↑ ↓	
		80A0183	N/A		PT			
1-B33-0111	12" Pipe to Nozzle	80A0187	PY-12-CLAD-SS	B-J	UT	III		
		80A0183	N/A		PT			
1-B33-0111-U	Pipe Seam Upstream	80A0187	PY-12-XX1-SS	B-J	UT	III		
		80A0183	N/A		PT			
1-B33-0113	16" x 12" Sweepolet to 12" Pipe	80A0187	PY-12-CLAD-SS	B-J	UT	III		Pipe Side
		80A0187	PY-12-SWEEP-SS		UT			Sweepolet Side
		80A0183	N/A		PT			
1-B33-0113-D	Pipe Seam Downstream	80A0187	PY-12-XX1-SS	B-J	UT	III		
		80A0183	N/A		PT			
1-B33-0114	12" Pipe to Elbow	80A0187	PY-12-XX1-SS	B-J	UT	III		
		80A0183	N/A		PT			
1-B33-0114-D	Elbow Seam Downstream	80A0187	PY-12-80-SS-F	B-J	UT	III		
		80A0183	N/A		PT			
1-B33-0114-U	Pipe Seam Upstream	80A0187	PY-12-XX1-SS	B-J	UT	III		
		80A0183	N/A		PT			



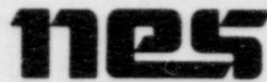
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LOOP B PIPING WELDS							
Ref. Dwg. No. 09-02							
1-B33-0115	12" Elbow to Pipe	80A0187	PY-12-XX1-SS	B-J	UT	III	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">2</div>
		80A0183	N/A		PT		
1-B33-0115-D	Pipe Seam Downstream	80A0187	PY-12-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0115-U	Elbow Seam Upstream	80A0187	PY-12-80-SS-F	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0116	12" Pipe to Nozzle	80A0187	PY-12-CLAD-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0116-U	Pipe Seam Upstream	80A0187	PY-12-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0118	16" x 12" Sweepolet to 12" Pipe	80A0187	PY-12-CLAD-SS	B-J	UT	III	Pipe Side
		80A0187	PY-12-SWEEP-SS		UT		Sweepolet Side
		80A0183	N/A		PT		
1-B33-0118-D	Pipe Seam Downstream	80A0187	PY-12-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0119	12" Pipe to Elbow	80A0187	PY-12-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		



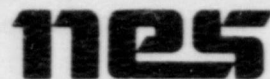
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LOOP B PIPING WELDS Ref. Dwg. No. 09-02							
1-B33-0119-D	Elbow Seam Downstream	80A0187	PY-12-80-SS-F	B-J	UT	III	2
		80A0183	N/A		PT		
1-B33-0119-U	Pipe Seam Upstream	80A0187	PY-12-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0120	12" Elbow to Pipe	80A0187	PY-12-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0120-D	Pipe Seam Downstream	80A0187	PY-12-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0120-U	Elbow Seam Upstream	80A0187	PY-12-80-SS-F	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0121	12" Pipe to Nozzle	80A0187	PY-12-CLAD-SS	B-J	UT	III	
		80A0183	N/A		PT		
1-B33-0121-U	Pipe Seam Upstream	80A0187	PY-12-XX1-SS	B-J	UT	III	
		80A0183	N/A		PT		




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WELDED ATTACHMENTS							
Ref. Dwg. No. 09-02							
1-B33-H305B-WA	Pipe Welded Attachment	80A0183	N/A	B-K-1	PT	III	
1-B33-H306B-WA	Pipe Welded Attachment	80A0183	N/A	B-K-1	PT	III	
1-B33-S372B-WA	Pipe Welded Attachment	80A0183	N/A	B-K-1	PT	II	
1-B33-S373B-WA	Pipe Welded Attachment	80A0183	N/A	B-K-1	PT	II	
1-B33-S374-B-WA	Pipe Welded Attachment	80A0183	N/A	B-K-1	PT	II	
1-B33-S375B-WA	Pipe Welded Attachment	80A0183	N/A	B-K-1	PT	II	
1-B33-S351B-WA	Pipe Welded Attachment	80A0183	N/A	B-K-1	PT	III	
1-B33-S352B-WA	Pipe Welded Attachment	80A0183	N/A	B-K-1	PT	III	




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COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	PROCEDURE NUMBER	CALIBRATION BLOCK (if applicable)	CODE CATEGORY	CODE EXAM METHOD	ZONE NO	REMARKS
WELDED ATTACHMENTS Ref. Dwg. No. 09-02							
1-B33-S353B-WA	Pipe Welded Attachment	80A0183	N/A	B-K-1	PT	III	
1-B33-S354B-WA	Pipe Welded Attachment	80A0183	N/A	B-K-1	PT	III	



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COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	PROCEDURE NUMBER	CALIBRATION BLOCK (If applicable)	CODE CATEGORY	CODE EXAM METHOD	ZONE NO	REMARKS
COMPONENT EXAMINATIONS Ref. Dwg. No. 09-01							
I-B33-F023A-IS	22" Valve F023A Internal Surface	80A0184	N/A	B-M-2	VT-1	II	
I-B33-F060A-IS	24" Valve F060A Internal Surface	80A0184	N/A	B-M-2	VT-1	II	
I-B33-F067A-IS	24" Valve F067A Internal Surface	80A0184	N/A	B-M-2	VT-1	II	△ 2
I-B33-F023A-B	22" Valve F023A Bolting	80A0184	N/A	B-G-2	VT-1	II	
I-B33-F060A-B	24" Valve F060A Bolting	80A0184	N/A	B-G-2	VT-1	II	
I-B33-F067A-B	24" Valve F067A Bolting	80A0184	N/A	B-G-2	VT-1	II	
I-B33-C001A-IS	Pump C001A Internal Surface	80A0184	N/A	B-L-2	VT-1	II	△ 2



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COMPONENT EXAMINATIONS Ref. Dwg. No. 09-02							
I-B33-F023B-B	22" Valve F023B Bolting	80A0184	N/A	B-G-2	VT-1	II	
I-B33-F067B-B	24" Valve F067B Bolting	80A0184	N/A	B-G-2	VT-1	II	



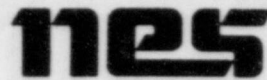
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BOLTING EXAMINATIONS							
RR Pump C001A							
Ref. Dwg. No. 09-03							
1-B33-C001A-1B	Stud #001	80A0196	PY-STUD-RR-3-CS	B-G-1	UT	II	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> 2 </div>
		80A0183	N/A		PT		
1-B33-C001A-2B	Stud #002	80A0196	PY-STUD-RR-3-CS	B-G-1	UT	II	
		80A0183	N/A		PT		
1-B33-C001A-3B	Stud #003	80A0196	PY-STUD-RR-3-CS	B-G-1	UT	II	
		80A0183	N/A		PT		
1-B33-C001A-4B	Stud #004	80A0196	PY-STUD-RR-3-CS	B-G-1	UT	II	
		80A0183	N/A		PT		
1-B33-C001A-5B	Stud #005	80A0196	PY-STUD-RR-3-CS	B-G-1	UT	II	
		80A0183	N/A		PT		
1-B33-C001A-6B	Stud #006	80A0196	PY-STUD-RR-3-CS	B-G-1	UT	II	
		80A0183	N/A		PT		
1-B33-C001A-7B	Stud #007	80A0196	PY-STUD-RR-3-CS	B-G-1	UT	II	
		80A0183	N/A		PT		
1-B33-C001A-8B	Stud #008	80A0196	PY-STUD-RR-3-CS	B-G-1	UT	II	
		80A0183	N/A		PT		




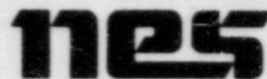
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BOLTING EXAMINATIONS							
RR Pump C001A							
Ref. Dwg. No. 09-03							
1-B33-C001A-9B	Stud #009	80A0196	PY-STUD-RR-3-CS	B-G-1	UT	II	 2
		80A0183	N/A		PT		
1-B33-C001A-10B	Stud #010	80A0196	PY-STUD-RR-3-CS	B-G-1	UT	II	
		80A0183	N/A		PT		
1-B33-C001A-11B	Stud #011	80A0196	PY-STUD-RR-3-CS	B-G-1	UT	II	
		80A0183	N/A		PT		
1-B33-C001A-12B	Stud #012	80A0196	PY-STUD-RR-3-CS	B-G-1	UT	II	
		80A0183	N/A		PT		
1-B33-C001A-13B	Stud #013	80A0196	PY-STUD-RR-3-CS	B-G-1	UT	II	
		80A0183	N/A		PT		
1-B33-C001A-14B	Stud #014	80A0196	PY-STUD-RR-3-CS	B-G-1	UT	II	
		80A0183	N/A		PT		
1-B33-C001A-15B	Stud #015	80A0196	PY-STUD-RR-3-CS	B-G-1	UT	II	
		80A0183	N/A		PT		
1-B33-C001A-16B	Stud #016	80A0196	PY-STUD-RR-3-CS	B-G-1	UT	II	
		80A0183	N/A		PT		



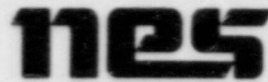
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BOLTING EXAMINATIONS RR Pump C001A Ref. Dwg. No. 09-03							
I-B33-C001A-1N	Hex Nut #001	80A0184	N/A	B-G-1	VT-1	II	
I-B33-C001A-2N	Hex Nut #002	80A0184	N/A	B-G-1	VT-1	II	
I-B33-C001A-3N	Hex Nut #003	80A0184	N/A	B-G-1	VT-1	II	
I-B33-C001A-4N	Hex Nut #004	80A0184	N/A	B-G-1	VT-1	II	
I-B33-C001A-5N	Hex Nut #005	80A0184	N/A	B-G-1	VT-1	II	
I-B33-C001A-6N	Hex Nut #006	80A0184	N/A	B-G-1	VT-1	II	
I-B33-C001A-7N	Hex Nut #007	80A0184	N/A	B-G-1	VT-1	II	
I-B33-C001A-8N	Hex Nut #008	80A0184	N/A	B-G-1	VT-1	II	




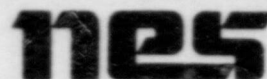
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BOLTING EXAMINATIONS							
RR Pump C001A							
Ref. Dwg. No. 09-03							
1-B33-C001A-9N	Hex Nut #009	80A0184	N/A	B-G-1	VT-1	III	
1-B33-C001A-10N	Hex Nut #010	80A0184	N/A	B-G-1	VT-1	III	
1-B33-C001A-11N	Hex Nut #011	80A0184	N/A	B-G-1	VT-1	III	
1-B33-C001A-12N	Hex Nut #012	80A0184	N/A	B-G-1	VT-1	III	
1-B33-C001A-13N	Hex Nut #013	80A0184	N/A	B-G-1	VT-1	III	
1-B33-C001A-14N	Hex Nut #014	80A0184	N/A	B-G-1	VT-1	III	
1-B33-C001A-15N	Hex Nut #015	80A0184	N/A	B-G-1	VT-1	III	
1-B33-C001A-16N	Hex Nut #016	80A0184	N/A	B-G-1	VT-1	III	



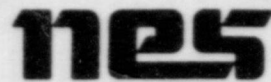
PROGRAM PLAN AND SCHEDULE

5532 - PERRY

System: RR
Document No. 80A4428
Preservice Inspection

By: ESD / 10/84
App: sam / 10/84
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COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	PROCEDURE NUMBER	CALIBRATION BLOCK (If applicable)	CODE CATEGORY	CODE EXAM METHOD	ZONE NO.	REMARKS
BOLTING EXAMINATIONS RR Pump C001B Ref. Dwg. No. 09-04							
I-B33-C001B-1B	Stud #001	80A0184	N/A	B-G-1	VT	III	2
I-B33-C001B-2B	Stud #002	80A0184	N/A	B-G-1	VT	III	
I-B33-C001B-3B	Stud #003	80A0184	N/A	B-G-1	VT	III	
I-B33-C001B-4B	Stud #004	80A0184	N/A	B-G-1	VT	III	
I-B33-C001B-5B	Stud #005	80A0184	N/A	B-G-1	VT	III	
I-B33-C001B-6B	Stud #006	80A0184	N/A	B-G-1	VT	III	
I-B33-C001B-7B	Stud #007	80A0184	N/A	B-G-1	VT	III	
I-B33-C001B-8B	Stud #008	80A0184	N/A	B-G-1	VT	III	




PROGRAM PLAN AND SCHEDULE

System: RR
Document No. 80A4428
Preservice Inspection

5532 - PERRY

By: SD / 10/84
App: sam / 10/84
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COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	PROCEDURE NUMBER	CALIBRATION BLOCK (If applicable)	CODE CATEGORY	CODE EXAM METHOD	ZONE NO.	REMARKS
BOLTING EXAMINATIONS RR Pump C001B Ref. Dwg. No. 09-04							
I-B33-C001B-9B	Stud #009	80A0184	N/A	B-G-1	VT	III	
I-B33-C001B-10B	Stud #010	80A0184	N/A	B-G-1	VT	III	
I-B33-C001B-11B	Stud #011	80A0184	N/A	B-G-1	VT	III	
I-B33-C001B-12B	Stud #012	80A0184	N/A	B-G-1	VT	III	
I-B33-C001B-13B	Stud #013	80A0184	N/A	B-G-1	VT	III	
I-B33-C001B-14B	Stud #014	80A0184	N/A	B-G-1	VT	III	
I-B33-C001B-15B	Stud #015	80A0184	N/A	B-G-1	VT	III	
I-B33-C001B-16B	Stud #016	80A0184	N/A	B-G-1	VT	III	




PROGRAM PLAN AND SCHEDULE

System: RR
Document No. 80A4428
Preservice Inspection

5532 - PERRY

By: ED / 10/84
App: sam / 10/84
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COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	PROCEDURE NUMBER	CALIBRATION BLOCK (If applicable)	CODE CATEGORY	CODE EXAM METHOD	ZONE NO.	REMARKS
BOLTING EXAMINATIONS							
RR Pump C001B							
Ref. Dwg. No. 09-04							
I-B33-C001B-1N	Hex Nut #001	80A0184	N/A	B-G-1	VT-1	III	
I-B33-C001B-2N	Hex Nut #002	80A0184	N/A	B-G-1	VT-1	III	
I-B33-C001B-3N	Hex Nut #003	80A0184	N/A	B-G-1	VT-1	III	
I-B33-C001B-4N	Hex Nut #004	80A0184	N/A	B-G-1	VT-1	III	
I-B33-C001B-5N	Hex Nut #005	80A0184	N/A	B-G-1	VT-1	III	
I-B33-C001B-6N	Hex Nut #006	80A0184	N/A	B-G-1	VT-1	III	
I-B33-C001B-7N	Hex Nut #007	80A0184	N/A	B-G-1	VT-1	III	
I-B33-C001B-8N	Hex Nut #008	80A0184	N/A	B-G-1	VT-1	III	




PROGRAM PLAN AND SCHEDULE

System: RR
Document No. 80A4428
Preservice Inspection

5532 - PERRY

By: ED / 10/84
App: sam / 10/84
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COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	PROCEDURE NUMBER	CALIBRATION BLOCK (If applicable)	CODE CATEGORY	CODE EXAM METHOD	ZONE NO.	REMARKS
BOLTING EXAMINATIONS RR Pump C001B Ref. Dwg. No. 09-04							
I-B33-C001B-9N	Hex Nut #009	80A0184	N/A	B-G-1	VT-1	III	 2
I-B33-C001B-10N	Hex Nut #010	80A0184	N/A	B-G-1	VT-1	III	
I-B33-C001B-11N	Hex Nut #011	80A0184	N/A	B-G-1	VT-1	III	
I-B33-C001B-12N	Hex Nut #012	80A0184	N/A	B-G-1	VT-1	III	
I-B33-C001B-13N	Hex Nut #013	80A0184	N/A	B-G-1	VT-1	III	
I-B33-C001B-14N	Hex Nut #014	80A0184	N/A	B-G-1	VT-1	III	
I-B33-C001B-15N	Hex Nut #015	80A0184	N/A	B-G-1	VT-1	III	
I-B33-C001B-16N	Hex Nut #016	80A0184	N/A	B-G-1	VT-1	III	



PSI PROGRAM PLAN:

REACTOR WATER CLEAN UP SYSTEM

PERRY NUCLEAR POWER PLANT, UNIT 1

Prepared For

CLEVELAND ELECTRIC ILLUMINATING COMPANY

Project Application 5532		Copy No	Assigned To		
APPROVALS					
TITLE / DEPT. - SIGNATURE - DATE					
REV NO	PREPARED BY	ISI Programs Engineering Mgr.	Project Manager	Q.A. Manager	
0					
1					
2	Susan Meyer 10/1/84	<i>[Signature]</i> 10/8/84	<i>[Signature]</i> 10/9/84	<i>[Signature]</i> 10-24-84	
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NUCLEAR ENERGY SERVICES

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REACTOR WATER CLEAN UP SYSTEM

1. INTRODUCTION

This document has been prepared to (1) delineate system-specific, itemized Preservice Inspection (PSI) requirements and, (2) present appropriate diagrams locating the areas for examination. All components in the Reactor Water Clean Up (RWCU) System required to be examined by ASME BPV Code, Section XI, are included.

The General Reference Text, NES Document 80A4420 presents the development and required procedural information for the PSI Program Plan generic to all systems examined.

2. SYSTEM DESCRIPTION

2.1 EXEMPTIONS

The portions of the RWCU System that are exempted from examination as allowed by ASME BPV Code Section XI, and as described in the General Reference Text, are presented in Table 2.1

2.2 EXCEPTIONS

Exception may be taken to code requirements of examination where access is not possible due to design limitations. Provision for such exception is presented in the General Reference Text. Exceptions that are taken to required exams of the RWCU System are itemized in Table 2.2 (Later).

2.3 CLASSIFICATIONS

This system's piping and instrumentation diagrams have been reviewed and Quality Group A, B, and C (ASME Code Class 1, 2, and 3) boundaries have been established as required by ASME Code Section XI, IWA-1400. The General Reference Text discusses the basis for these determinations.

Diagrams delineating these boundaries for the RWCU System are presented in Figure B-10. RWCU System classification and boundaries are presented in Table 2.3



TABLE 2.1
SYSTEM EXEMPTIONS

<u>ASME Code Class</u>	<u>Description</u>	<u>Ref. P&iD</u>	<u>Basis For Exemption</u>
1	1-1/2" Bypass Line for Valve F101	D-302-671-Rev D	All components less than 2.36" ID for water service are exempted per 'ASME' Section XI subparagraph IWB-1220(a), based on exclusion diameter for normal makeup.
1	2" DI-1 from 3" x 2" Reducer up to the Reactor Recirculation Intertie	D-302 671- Rev D	All components less than 2.36" ID for water service are exempted per 'ASME' Section XI subparagraph IWB-1220(a), based on exclusion diameter for normal makeup.
1	All pipings of 1 in. nominal size and smaller	D-302 671-Rev D	All component connections, pipings and associated valves of 1 in. nominal size and smaller are exempt per IWB-1220(b).
2	All pipings of 4 in. nominal size and smaller	D-302 672-Rev D	All component connections, pipings and associated valves that are 4 in. nominal size and smaller are exempt per IWC-1220(c).



TABLE 2.3
 SYSTEM CLASSIFICATIONS

<u>ASME Code Class</u>	<u>Description</u>	<u>Ref. P&ID</u>
1	6" DI-1 from Valve F004 through penetration P-131 including Valve F001 up to 6" x 4" reducer	D-302-671 Rev D
1	4" DI-1 from Valve F106 up to Valve F100 including Valve F102	D-302-671 Rev D
1	3" DI-1 from 6" x 3" Reducer to 3" x 2" Reducer including Valve F103	D-302-671 Rev D
2	6" DI-2 from Valve F040 through Penetration P-132 including Valves F051A, B and F052A, B up to the 12" RHR intertie.	D-302-671 Rev D

2.4 CALIBRATION STANDARDS

Table 2.4 lists the Calibration Standards for ultrasonic examinations scheduled for the RWCU System. All calibration standards are to be retained on site.

Design drawing documents are presented in Table 3.5 of the General Reference Text.(Later)

TABLE 2.4

RWCU System: Referenced Calibration Standards

<u>Title</u>	<u>Line Class</u>	<u>Schedule</u>	<u>Material</u>
PY-4-80-CS	4" D1-1	Sch-80	SA106 Grade B
PY-4-XXI-CS-F	4" D1-1	Sch-80	SA234 Grade WPB
PY-6-80-CS	6" D1-1	Sch-80	SA106 Grade B
PY-6-120-CS	6" D1-2	Sch-120	SA106 Grade B
PY-6-XXI-CS-F	6" D1-2	Sch-120	SA234 Grade WPB
PY-Valve-XX2-CS	-	1.531"	SA 105
PY-Valve-XX3-CS	-	1.148"	SA 105



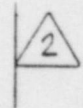
2.5 ISOMETRIC FIGURES AND SKETCHES

The piping isometric and component figures listed in Table 2.5 show the identification and location of areas for the RWCU System requiring examination. Sketches may also be included that illustrate or locate areas of components requiring identification for examination.

TABLE 2.5

RWCU System Isometric/Component Figures

10-01	Revision 1
10-02	Revision 1
10-03	Revision 1
10-04	Revision 0
10-05	Revision 0

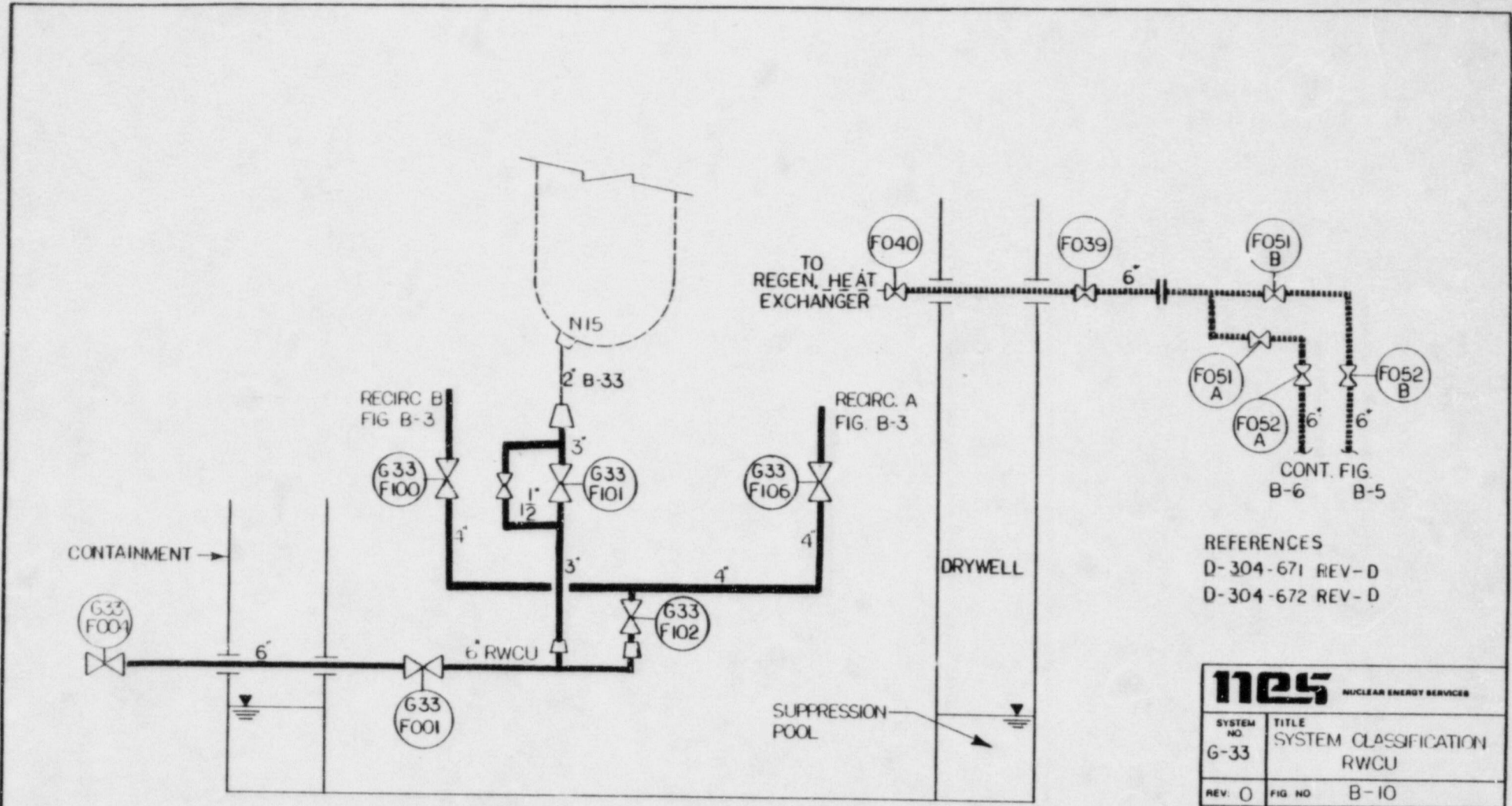




3. PROGRAM PLAN AND SCHEDULE

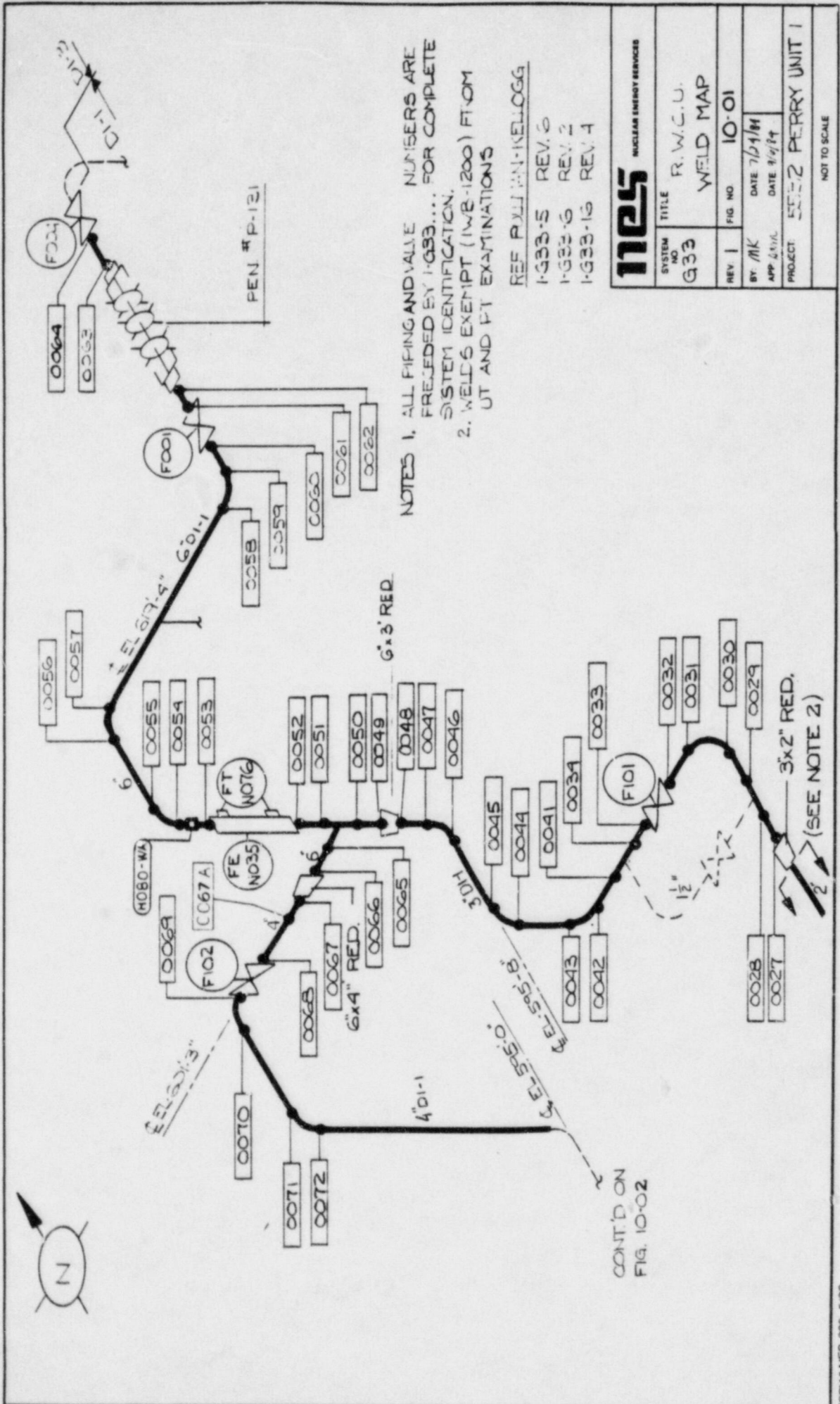
The specific PSI examination requirements are defined in the PSI Program Plan and its schedule tables. Each weld or other examination area is designated by a unique identification number, and then described. Also identified are applicable examination category, method, procedure number, any calibration standard number referenced for ultrasonic examination, and the zone in which the examination area is located, as described in Section 3 of the General Reference Text.

Examination items are first divided according to the weld or hanger isometric figure that they appear on. Multiple examination requirements of the same component are listed separate in the schedule tables. Component examinations or component bolting follow the piping weld examinations for each system. Hanger examinations appear as the next section, followed by the hydrovisual examination requirements.



REFERENCES
 D-304-671 REV-D
 D-304-672 REV-D

nes NUCLEAR ENERGY SERVICES	
SYSTEM NO G-33	TITLE SYSTEM CLASSIFICATION RWCU
REV: 0	FIG NO: B-10
BY: TELW DATE 1-12-82	GROUP A
APR: PERAL DATE 2-23-82	GROUP B
PROJECT: PERRY-5532	
NOT TO SCALE	

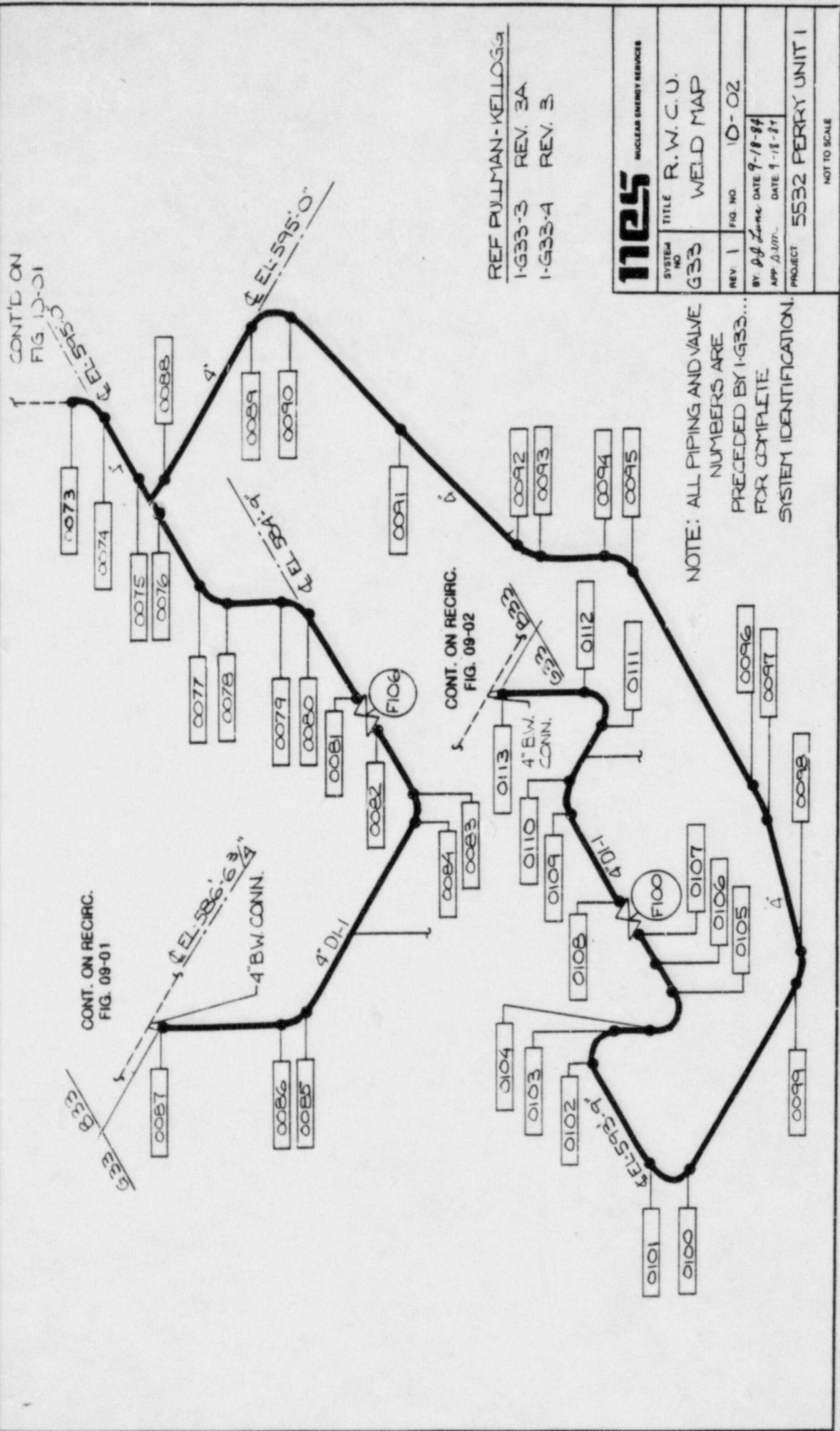


NOTES 1. ALL PIPING AND VALVE NUMBERS ARE PRECEDED BY I-G33... FOR COMPLETE SYSTEM IDENTIFICATION.
2. WELD'S EXEMPT (IWB-1200) FROM UT AND FT EXAMINATIONS

REF PULLMAN-KELLOGG
I-G33-5 REV. 6
I-G33-6 REV. 2
I-G33-16 REV. 4

nes NUCLEAR ENERGY SERVICES	
SYSTEM NO G33	TITLE R. W. C. U. WELD MAP
REV 1	FIG NO 10-01
BY MK	DATE 7/24/88
APP LVC	DATE 8/2/88
PROJECT	55-2 PERRY UNIT 1
NOT TO SCALE	

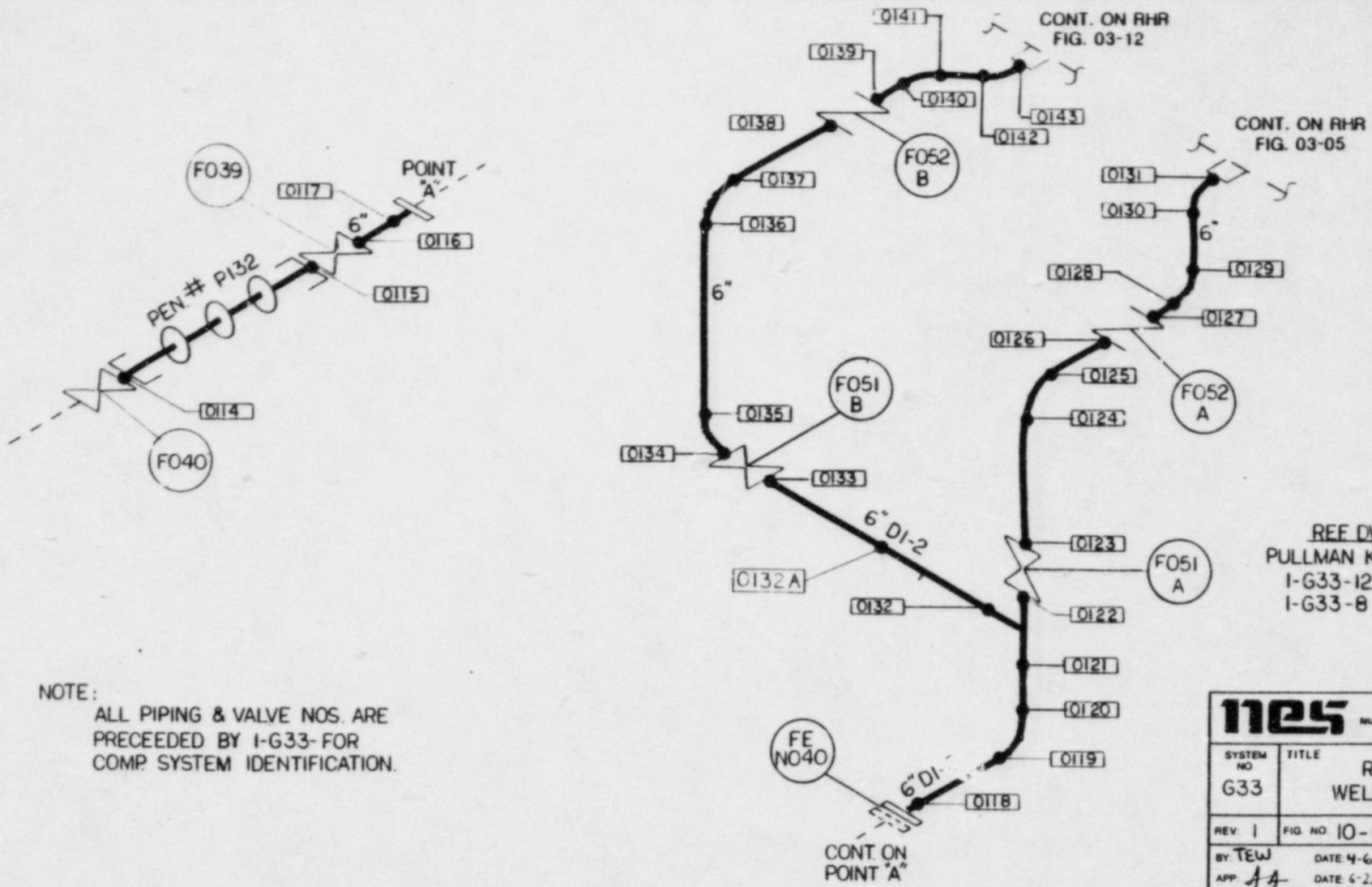
CONT'D ON FIG. 10-02



NOTE: ALL PIPING AND VALVE NUMBERS ARE PRECEDED BY 1-G33... FOR COMPLETE SYSTEM IDENTIFICATION.

REF PULLMAN-KELLOGG
 1-G33-3 REV. 3A
 1-G33-4 REV. 3

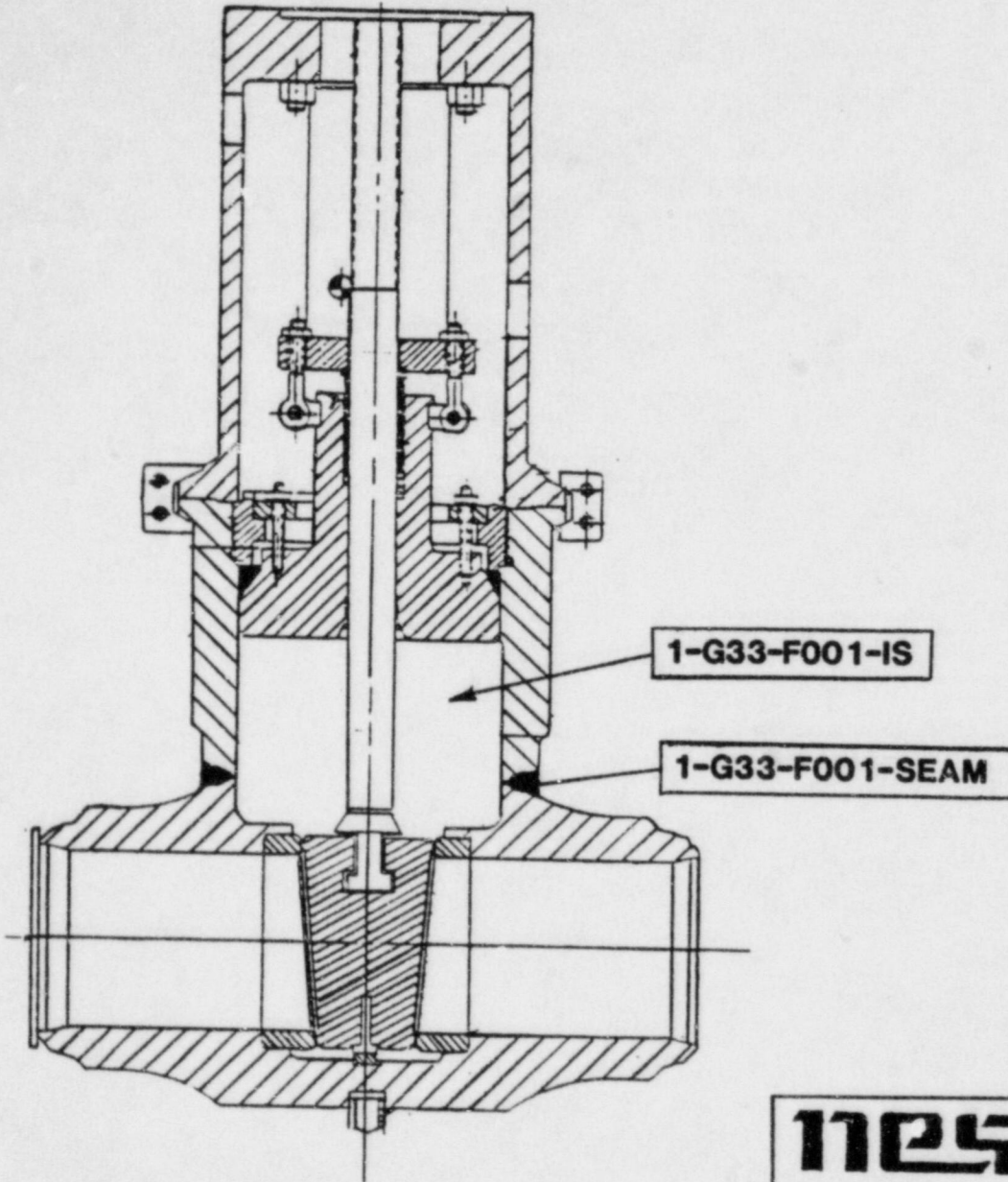
1125 NUCLEAR ENERGY SERVICES	
SYSTEM NO. G33	TITLE R. W. C. U. WELD MAP
REV. 1	FIG. NO. 10-02
BY: <i>pp</i>	DATE 9-18-84
APP. <i>J.M.P.</i>	DATE 1-18-87
PROJECT 5532 FERRY UNIT 1	NOT TO SCALE



REF DWGS.
 PULLMAN KELLOGG
 I-G33-12 REV. 7
 I-G33-8 REV. 9

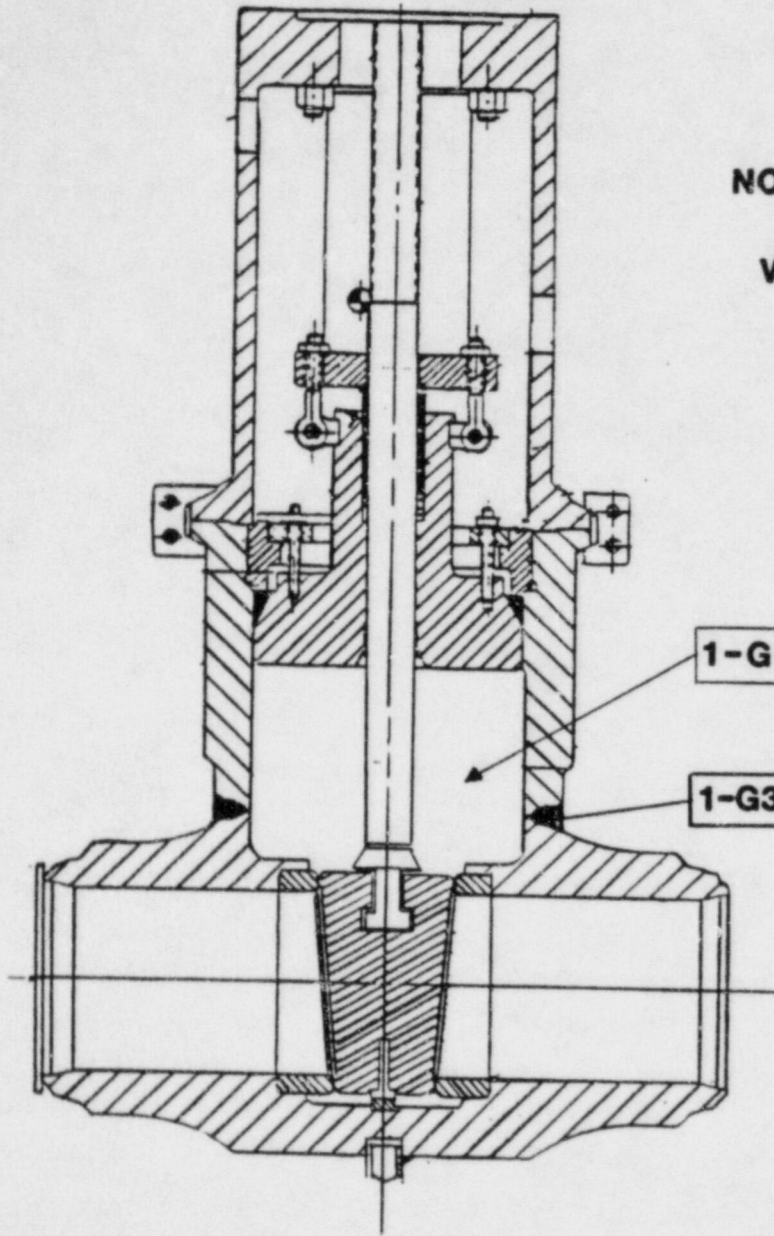
NOTE:
 ALL PIPING & VALVE NOS. ARE
 PRECEDED BY I-G33- FOR
 COMP SYSTEM IDENTIFICATION.

nes NUCLEAR ENERGY SERVICES	
SYSTEM NO. G33	TITLE RWCU WELD MAP
REV. 1	FIG. NO. 10-03
BY: TEW APP: AA	DATE 4-6-82 DATE 6-25-82
PROJECT 5532-PERRY UNIT I	
NOT TO SCALE	



REF. DWGS.
BORG WARNER DWG. NO. 81200
 " " " " **81200-2**
GAI DWG. NO. 4549-40-364-1-4
 " " " " **4549-40-362-1-5**

NES NUCLEAR ENERGY SERVICES	
SYSTEM NO. G33	TITLE RWCU 6" GATE VALVE F001 SEAM LOCATION
REV:	FIG. NO. 10-04
BY: <i>ED</i>	DATE: <i>9/27/84</i>
APP: <i>sam</i>	DATE: <i>9/84</i>
PROJECT:	PERRY UNIT 1
NOT TO SCALE	



**NOTE: WELD IDENTIFICATION
NUMBER FOR IDENTICAL
VALVES F101 :
1-G33-F101-SEAM**

1-G33-F100-IS

1-G33-F100-SEAM

REF. DWGS.

BORG WARNER DWG. NO. 81190-1

" " " " **81180**

GAI DWG. NO. 4549-40-360-1-3

" " " **4549-40-344-4-7**

NES NUCLEAR ENERGY SERVICES	
SYSTEM NO. G33	TITLE RWCU GATE VALVES 4" F100 & 3" F101 SEAM LOCATION
REV: 1	FIG. NO. 10-05
BY: VB	DATE: 8/23/83
APP: JA	DATE: 10/06/83
PROJECT:	PERRY UNIT 1
NOT TO SCALE	

CLASS 1



PROGRAM PLAN AND SCHEDULE

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COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	PROCEDURE NUMBER	CALIBRATION BLOCK (If applicable)	CODE CATEGORY	CODE EXAM METHOD	ZONE NO	REMARKS
PIPING WELDS							
Ref. Dwg. 10-01							
1-G33-0072	4" Pipe to Elbow	80A0186	PY-4 80-CS	B-J	UT	II	
		80A0183	N/A		PT		
1-G33-0071	4" Elbow to Pipe	80A0186	PY-4 80-CS	B-J	UT	II	
		80A0183	N/A		PT		
1-G33-0070	4" Pipe to Elbow	80A0186	PY-4 80-CS	B-J	UT	II	
		80A0183	N/A		PT		
1-G33-0069	4" Elbow to Valve F102	80A0186	PY-4 XXI-CS-F	B-J	UT	II	
		80A0183	N/A		PT		
1-G33-0068	4" Valve F102 to Pipe	80A0186	PY-4 80-CS	B-J	UT	II	
		80A0183	N/A		PT		
1-G33-0067A	4" Pipe to Pipe	80A0186	PY-4 80-CS	B-J	UT	II	△ 2
		80A0183	N/A		PT		
1-G33-0067	4" Pipe to Reducer	80A0186	PY-4 80-CS	B-J	UT	II	
		80A0183	N/A		PT		
1-G33-0066	4" x 6" Reducer to Pipe	80A0186	PY-6 80-CS	B-J	UT	II	
		80A0183	N/A		PT		



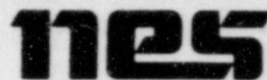
PROGRAM PLAN AND SCHEDULE

System: RWCU
Document No. 80A4429
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COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	PROCEDURE NUMBER	CALIBRATION BLOCK (If applicable)	CODE CATEGORY	CODE EXAM METHOD	ZONE NO	REMARKS
PIPING WELDS							
Ref. Dwg. 10-01							
1-G33-0065	6" Pipe to Tee	80A0186	PY-6 80-CS	B-J	UT	II	
		80A0183	N/A		PT		
1-G33-0051	6" x 6" Tee to Pipe	80A0186	PY-6 80-CS	B-J	UT	II	
		80A0183	N/A		PT		
1-G33-0052	6" Pipe to Flow Element FE NO35	80A0186	PY-6 80-CS	B-J	UT	II	
		80A0183	N/A		PT		
1-G33-0053	6" Flow Element FE-NO35 to Pipe	80A0186	PY-6 80-CS	B-J	UT	II	
		80A0183	N/A		PT		
1-G33-0054	6" Pipe to Elbow	80A0186	PY-6 80-CS	B-J	UT	II	
		80A0183	N/A		PT		
1-G33-0055	6" Elbow to Pipe	80A0186	PY-6 80-CS	B-J	UT	II	
		80A0183	N/A		PT		
1-G33-0056	6" Pipe to Elbow	80A0186	PY-6 80-CS	B-J	UT	II	
		80A0183	N/A		PT		
1-G33-0057	6" Elbow to Pipe	80A0186	PY-6 80-CS	B-J	UT	II	
		80A0183	N/A		PT		



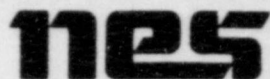
PROGRAM PLAN AND SCHEDULE

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App: Sam / 1 9/84
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COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	PROCEDURE NUMBER	CALIBRATION BLOCK (If applicable)	CODE CATEGORY	CODE EXAM METHOD	ZONE NO.	REMARKS
PIPING WELDS Ref. Dwg. No. 10-01							
1-G33-0058	6" Pipe to Elbow	80A0186	PY-6	B-J	UT	II	
			80-CS		PT		
1-G33-0059	6" Elbow to Pipe	80A0186	PY-6	B-J	UT	II	
			80-CS		PT		
1-G33-0060	6" Pipe to Valve F001	80A0186	PY-6	B-J	UT	II	
			80-CS		PT		
1-G33-0061	6" Valve F001 to Pipe	80A0186	PY-6	B-J	UT	II	
			80-CS		PT		
1-G33-0062	6" Pipe to Penetration P131 Process Pipe	80A0186	PY-6	B-J	UT	II	
			80-CS		PT		
1-G33-0063	6" Penetration P131 Process Pipe to Pipe	80A0186	PY-6	B-J	UT	II	
			80-CS		PT		
1-G33-0064	6" Pipe to Valve F004	80A0186	PY-6	B-J	UT	II	
			80-CS		PT		
1-G33-0050	6" x 6" Tee to Pipe	80A0186	PY-6	B-J	UT	II	
			80-CS		PT		
		80A0183	N/A				



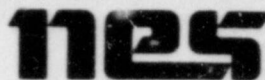
PROGRAM PLAN AND SCHEDULE

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COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	PROCEDURE NUMBER	CALIBRATION BLOCK (If applicable)	CODE CATEGORY	CODE EXAM METHOD	ZONE NO	REMARKS
PIPING WELDS							
Ref. Dwg. No. 10-01							
1-G33-0049	6" Pipe to Reducer	80A0186	PY-6	B-J	UT	II	
		80A0183	80-CS N/A		PT		
1-G33-0048	6" x 3" Reducer to Pipe	80A0183	N/A	B-J	PT	II	
1-G33-0047	3" Pipe to Elbow	80A0183	N/A	B-J	PT	II	
1-G33-0046	3" Elbow to Pipe	80A0183	N/A	B-J	PT	II	
1-G33-0045	3" Pipe to Elbow	80A0183	N/A	B-J	PT	II	
1-G33-0044	3" Elbow to Pipe	80A0183	N/A	B-J	PT	II	
1-G33-0043	3" Pipe to Elbow	80A0183	N/A	B-J	PT	II	
1-G33-0042	3" Elbow to Pipe	80A0183	N/A	B-J	PT	II	



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PIPING WELDS							
Ref. Dwg. No. 10-01							
1-G33-0041	3" Pipe to Tee	80A0183	N/A	B-J	PT	II	
1-G33-0034	3"x 3" x 1-1/2" Tee to Pipe	80A0183	N/A	B-J	PT	II	
1-G33-0033	3" Pipe to Valve F101	80A0183	N/A	B-J	PT	II	
1-G33-0032	3" Valve F101 to Pipe	80A0183	N/A	B-J	PT	II	
1-G33-0031	3" Pipe to Elbow	80A0183	N/A	B-J	PT	II	
1-G33-0030	3" Elbow to Pipe	80A0183	N/A	B-J	PT	II	
1-G33-0029	3" Pipe to Tee	80A0183	N/A	B-J	PT	II	
1-G33-0028	3" x 3" x 1-1/2" Tee to Pipe	80A0183	N/A	B-J	PT	II	



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PIPING WELDS Ref. Dwg. No. 10-01							
I-G33-0027	3" Pipe to 3" x 2" Reducer	80A0183	N/A	B-J	PT	II	




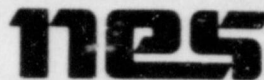
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WELDED ATTACHMENTS Ref. Dwg. No. 10-01							
I-G33-H080-WA	Pipe Welded Attachment	80A0183	N/A	B-K-1	PT	II	



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PIPING WELDS							
Ref. Dwg. No. 10-02							
1-G33-0113	4" Weldolet to Pipe	80A0186	PY-4	B-J	UT	IV	
			80-CS				
1-G33-0112	4" Pipe to Elbow	80A0183	N/A	B-J	PT	IV	
1-G33-0111	4" Elbow to Pipe	80A0186	PY-4	B-J	UT	IV	
			80-CS				
1-G33-0110	4" Pipe to Elbow	80A0183	N/A	B-J	PT	IV	
1-G33-0109	4" Elbow to Pipe	80A0186	PY-4	B-J	UT	IV	
			80-CS				
1-G33-0108	4" Pipe to Valve F100	80A0183	N/A	B-J	PT	IV	
1-G33-0107	4" Valve F100 to Pipe	80A0186	PY-4	B-J	UT	IV	
			80-CS				
1-G33-0106	4" Pipe to Pipe	80A0183	N/A	B-J	PT	IV	



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PIPING WELDS							
Ref. Dwg. No. 10-02							
1-G33-0105	4" Pipe to Elbow	80A0186	PY-4	B-J	UT	IV	
			80-CS				
1-G33-0104	4" Elbow to Pipe	80A0183	N/A		PT		
		80A0186	PY-4	B-J	UT	IV	
		80-CS					
1-G33-0103	4" Pipe to Elbow	80A0183	N/A		PT		
		80A0186	PY-4	B-J	UT	IV	
		80-CS					
1-G33-0102	4" Elbow to Pipe	80A0183	N/A		PT		
		80A0186	PY-4	B-J	UT	IV	
		80-CS					
1-G33-0101	4" Pipe to Elbow	80A0183	N/A		PT		
		80A0186	PY-4	B-J	UT	IV	
		80-CS					
1-G33-0100	4" Elbow to Pipe	80A0183	N/A		PT		
		80A0186	PY-4	B-J	UT	IV	
		80-CS					
1-G33-0099	4" Pipe to Elbow	80A0183	N/A		PT		
		80A0186	PY-4	B-J	UT	IV	
		80-CS					
1-G33-0098	4" Elbow to Pipe	80A0183	N/A		PT		
		80A0186	PY-4	B-J	UT	IV	
		80-CS					
		80A0183	N/A		PT		



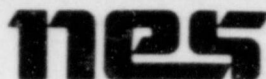
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PIPING WELDS							
Ref. Dwg. No. 10-02							
1-G33-0097	4" Pipe to Elbow	80A0186	PY-4 80-CS	B-J	UT	IV	
		80A0183	N/A		PT		
1-G33-0096	4" Elbow to Pipe	80A0186	PY-4 80-CS	B-J	UT	IV	
		80A0183	N/A		PT		
1-G33-0095	4" Pipe to Elbow	80A0186	PY-4 80-CS	B-J	UT	IV	
		80A0183	N/A		PT		
1-G33-0094	4" Elbow to Pipe	80A0186	PY-4 80-CS	B-J	UT	IV	
		80A0183	N/A		PT		
1-G33-0093	4" Pipe to Elbow	80A0186	PY-4 80-CS	B-J	UT	IV	
		80A0183	N/A		PT		
1-G33-0092	4" Elbow to Pipe	80A0186	PY-4 80-CS	B-J	UT	IV	
		80A0183	N/A		PT		
1-G33-0091	4" Pipe to Pipe	80A0186	PY-4 80-CS	B-J	UT	IV	
		80A0183	N/A		PT		
1-G33-0090	4" Pipe to Elbow	80A0186	PY-4 80-CS	B-J	UT	IV	
		80A0183	N/A		PT		



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PIPING WELDS							
Ref. Dwg. No. 10-02							
1-G33-0089	4" Elbow to Pipe	80A0186	PY-4	B-J	UT	II	
			80-CS				
		80A0183	N/A		PT		
1-G33-0088	4" Pipe to Tee	80A0186	PY-4	B-J	UT	II	
			80-CS				
		80A0183	N/A		PT		
1-G33-0076	4" x 4" Tee to Pipe	80A0186	PY-4	B-J	UT	II	
			80-CS				
		80A0183	N/A		PT		
1-G33-0077	4" Pipe to Elbow	80A0186	PY-4	B-J	UT	II	
			80-CS				
		80A0183	N/A		PT		
1-G33-0078	4" Elbow to Pipe	80A0186	PY-4	B-J	UT	II	
			80-CS				
		80A0183	N/A		PT		
1-G33-0079	4" Pipe to Elbow	80A0186	PY-4	B-J	UT	II	
			80-CS				
		80A0183	N/A		PT		
1-G33-080	4" Elbow to Pipe	80A0186	PY-4	B-J	UT	II	
			80-CS				
		80A0183	N/A		PT		
1-G33-0081	4" Pipe to Valve F106	80A0186	PY-4	B-J	UT	II	
			80-CS				
		80A0183	N/A		PT		



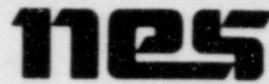
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PIPING WELDS							
Ref. Dwg. No. 10-02							
1-G33-0082	4" Valve F106 to Pipe	80A0186	PY-4 80-CS	B-J	UT	IV	
		80A0183	N/A		PT		
1-G33-0083	4" Pipe to Elbow	80A0186	PY-4 80-CS	B-J	UT	IV	
		80A0183	N/A		PT		
1-G33-0084	4" Elbow to Pipe	80A0186	PY-4 80-CS	B-J	UT	IV	
		80A0183	N/A		PT		
1-G33-0085	4" Pipe to Elbow	80A0186	PY-4 80-CS	B-J	UT	IV	
		80A0183	N/A		PT		
1-G33-0086	4" Elbow to Pipe	80A0186	PY-4 80-CS	B-J	UT	IV	
		80A0183	N/A		PT		
1-G33-0087	4" Pipe to Weldolet	80A0186	PY-4 80-CS	B-J	UT	IV	
		80A0183	N/A		PT		
1-G33-0075	4" x 4" Tee to Pipe	80A0186	PY-4 80-CS	B-J	UT	IV	
		80A0183	N/A		PT		
1-G33-0074	4" Pipe to Elbow	80A0186	PY-4 80-CS	B-J	UT	IV	
		80A0183	N/A		PT		



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	PIPING WELDS Ref. Dwg. No. 10-02						
1-G33-0073	4" Elbow to Pipe	80A0186	PY-4	B-J	UT	II	
		80A0183	80-CS N/A		PT		



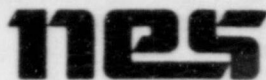
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PIPING WELDS							
Ref. Dwg. No. 10-03							
1-G33-0143	6" Weldolet to Elbow	80A0168	PY-6	C-F	UT	XI	
		80A0183	XXI-CS-F N/A		PT		
1-G33-0142	6" Elbow to Pipe	80A0186	PY-6-	C-F	UT	XI	
		80A0183	120-CS N/A		PT		
1-G33-0141	6" Pipe to Elbow	80A0186	PY-6-	C-F	UT	XI	
		80A0183	120-CS N/A		PT		
1-G33-0140	6" Elbow to Pipe	80A0186	PY-6-	C-F	UT	XI	
		80A0183	120-CS N/A		PT		
1-G33-0139	6" Pipe to Valve F052B	80A0186	PY-6-	C-F	UT	XI	
		80A0183	120-CS N/A		PT		
1-G33-0138	6" Valve F052B to Pipe	80A0186	PY-6-	C-F	UT	XI	
		80A0183	120-CS N/A		PT		
1-G33-0137	6" Pipe to Elbow	80A0186	PY-6-	C-F	UT	XI	
		80A0183	120-CS N/A		PT		
1-G33-0136	6" Elbow to Pipe	80A0186	PY-6-	C-F	UT	XI	
		80A0183	120-CS N/A		PT		



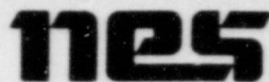
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PIPING WELDS							
Ref. Dwg. No. 10-03							
1-G33-0135	6" Pipe to Elbow	80A0168	PY-6-120-CS	C-F	UT	XI	
		80A0183	N/A		PT		
1-G33-0134	6" Elbow to Valve F051B	80A0186	PY-6-XXI-CS-F	C-F	UT	XI	
		80A0183	N/A		PT		
1-G33-0133	6" Valve F051B to Pipe	80A0186	PY-6-120-CS	C-F	UT	XI	
		80A0183	N/A		PT		
1-G33-0132A	6" Pipe to Pipe	80A0186	PY-6-120-CS	C-F	UT	XI	
		80A0183	N/A		PT		
1-G33-0132	6" Pipe to Tee	80A0186	PY-6-120-CS	C-F	UT	XI	
		80A0183	N/A		PT		
1-G33-0122	6" x 6" x 6" Tee to Valve F051A	83A0802	PY-6-XXI-CS-F	C-F	UT	XI	△ 2
		80A0183	N/A		PT		
1-G33-0123	6" Valve F051A to Pipe	80A0186	PY-6-120-CS	C-F	UT	XI	
		80A0183	N/A		PT		
1-G33-0124	6" Pipe to Elbow	80A0186	PY-6-120-CS	C-F	UT	XI	
		80A0183	N/A		PT		



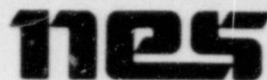
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PIPING WELDS							
Ref. Dwg. No. 10-03							
1-G33-0125	6" Elbow to Pipe	80A0186	PY-6-120-CS	C-F	UT	XI	
		80A0183	N/A		PT		
1-G33-0126	6" Pipe to Valve F052A	80A0168	PY-6-120-CS	C-F	UT	XI	
		80A0183	N/A		PT		
1-G33-0127	6" Valve F052A to Pipe	80A0186	PY-6-120-CS	C-F	UT	XI	
		80A0183	N/A		PT		
1-G33-0128	6" Pipe to Elbow	80A0186	PY-6-120-CS	C-F	UT	XI	
		80A0183	N/A		PT		
1-G33-0129	6" Elbow to Pipe	80A0186	PY-6-120-CS	C-F	UT	XI	
		80A0183	N/A		PT		
1-G33-0130	6" Pipe to Elbow	80A0186	PY-6-120-CS	C-F	UT	XI	
		80A0183	N/A		PT		
1-G33-0131	6" Elbow to Weldolet	80A0186	PY-6-XXI-CS-F	C-F	UT	XI	
		80A0183	N/A		PT		
1-G33-0121	6" x 6" x 6" Tee to Pipe	80A0186	PY-6-120-CS	C-F	UT	XI	
		80A0183	N/A		PT		



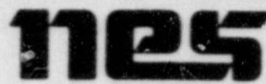
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PIPING WELDS							
Ref. Dwg. No. 10-03							
1-G33-0120	6" Pipe to Elbow	80A0186	PY-6-120-CS	C-F	UT	XI	
		80A0183	N/A		PT		
1-G33-0119	6" Elbow to Pipe	80A0186	PY-6-120-CS	C-F	UT	XI	
		80A0183	N/A		PT		
1-G33-0118	6" Pipe to Flange FE N040	80A0186	PY-6-120-CS	C-F	UT	XI	
		80A0183	N/A		PT		
1-G33-0117	6" Flange FE N040 to Pipe	80A0186	PY-6-120-CS	C-F	UT	XI	
		80A0183	N/A		PT		
1-G33-0116	6" Pipe to Valve F039	80A0186	PY-6-120-CS	C-F	UT	XI	
		80A0183	N/A		PT		
1-G33-0115	6" Valve F039 to Penetration Process Pipe	80A0186	PY-6-120-CS	C-F	UT	XI	
		80A0183	N/A		PT		
1-G33-0114	6" Penetration Process Pipe to Valve F040	80A0186	PY-6-120-CS	C-F	UT	XI	
		80A0183	N/A		PT		



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COMPONENT EXAMINATION Ref. Dwg. No. 10-01, 10-04							
I-G33-F001-SEAM	6" Valve G33-F001 Body Weld	80A0193	PY-Valve-XX2-CS	B-M-1	UT	II	
		80A0183	N/A		PT		
I-G33-F001-IS	6" Valve G33-F001 Internal Surface	80A0184	N/A	B-M-2	VT-1	II	
I-G33-F101-SEAM	3" Valve G33-F101 Body Weld	80A0193	PY-Valve-XX3-CS	B-M-1	UT	IV	△ 2
		80A0183	N/A		PT		



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COMPONENT EXAMINATION Ref. Dwg. No. 10-02, 10-05							
1-G33-F100-SEAM	4" Valve G33-F100 Body Weld	80A0193	PY-Valve-XX3-CS	B-M-1	UT	IV	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> 2 </div>
		80A0183	N/A		PT		
1-G33-F100-IS	4" Valve G33-F100 Internal Surface	80A0184	N/A	B-M-2	VT-1	IV	